FRANKLIN ELEMENTARY SCHOOL MODERNIZATION

2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

PROJECT DATA

LEGEND

SYMBOLS

GRID LINES

GATE SYMBOL

DOOR SYMBOL
DOOR NUMBER

WINDOW SYMBOL
WINDOW NUMBER
T = TEMPERED WH/OCCURS

REVISION NUMBER

WORK POINT
CONTROL POINT/DATUM POINT
ELEVATION

MATCH LINE
(SHADED PORTION IS THE SIDE SHOWN)

PLAN NORTH

NORTH ARROW

BUILDING SECTION
SHEET NUMBER

WALL SECTION
SHEET NUMBER

DETAIL NUMBER
SHEET NUMBER

ROOM NUMBER/NAME
SHEET REFERENCE OF ROOM

REVISED FINISH GRADE
EXISTING GRADE CALLED (E)

KEYNOTE

SIGNS
SEE SCHEDULE A5.0

KITCHEN EQUIPMENT

ADA CLEARANCE
SEE SCHEDULE

ABBREVIATIONS

@	At
#	Pounds
AB	Anchor Bolt
AC	Asphalt Concrete
ACC	Accessibility
AFF	Above Finish Floor
AP	Access Panel
A/C	Air Conditioning
ABV	Above
ACOUS	Acoustic(al)
ACPL	Acoustical Plaster
ADD	Addendum
ADDTL	Additional
ADJ	Adjustable/Adjacent
AGG	Aggregate
ALT	Alternate
ALUM	Aluminum
ANC	Anchor(age)
APPROX	Approximate(ly)
ARCH/ARCH'L	Architect
ASB	Asbestos
BBD	Bulletin Board
BC	Bolt Circle
BMK	Bench Mark
BOB	Bottom of Beam
BUR	Built-Up Roofing
BD	Board
BEL	Below
BIT	Bituminous
BLDG	Building
BLK	Blocking
BRK	Break, Brick
BRKR	Breaker
BM	Beam
BOT	Bottom
BRG	Bearing
BTWN	Between
BVL	Beveled(ed)
C&G	Curb and Gutter
CB	Catch Basin
CF	Cubic Foot (Feet)
CFR	Counterflashing
CJ/CJ'D	Control Joint
CG	Corner Guard
CI	Cast Iron
CIP	Cast Iron Pipe
CISC	Cast-In-Place Concrete
CISP	Cast Iron Soil Pipe
CJ	Ceiling Joist
CJ	Control Joint
CK	Caulk(ing)
CL	Chain Link
℄	Center Line
CMT	Ceramic Mosaic Tile
CMU	Concrete Masonry Unit
CO	Clean-Out
CO'G	Clean-Out To Grade
CO'W	Clean-Out Thru Wall
CR	Curb Return
CAB	Cabinet
CEM	Cement
CER	Ceramic
CHAM	Chamfer
CHBD	Chalkboard
CHG	Change
CLG	Ceiling
CLR	Clear(ance)
CLOS	Closure
CNTR	Counter
COL	Column
COMB	Combination
COMPO	Composition
CONC	Concrete
CONST	Construction
CONT	Continuous
CPTR	Carpenter
CSK	Countersink
CSMT	Casement
CTR	Center
CW	Cold Water
DF	Drinking Fountain
DH	Double Hung
DA	Double Acting
DEP	Depression
DET	Detail
DIA	Diameter
DIAG	Diagonal
DIM	Dimension
DN	Down
DPRR	Depress(ed)
DR	Door
DS	Downspout
DSPR	Dispenser
DWG	Drawing
DWR	Drawer
(D) CW	(Domestic) Cold Water
(D) HW	Domestic) Hot Water
(E)	Existing
E	East
EDF	Electric Drinking Fountain
EF	Exhaust Fan
EJ	Expansion Joint
EPB	Electric Panel Board
EW	Each Way
EA	Each
ELECT'L	Electric(al)
ELEV'R	Elevator
ELEV	Elevation
EMER	Emergency
ENAM	Enamel
ENCL	Enclosure
EQ	Equal
EQUIP	Equipment
EXH	Exhaust
EXP	Expansion/Exposed
EXTR	Exterior
FBO	Furnished By Others
FB/RG	Fire-Blocking
FD	Floor Drain
FEC	Fire Extinguisher Cabinet
FG	Fixed Glass/Finish Grade
FG/RD	Finish Grade
FJ	Floor Joist
FJT	Flush Joint
FOC	Face Of Concrete/Column
FOF	Face Of Finish
FOM	Face Of Masonry
FOS	Face Of Stud
FOW	Face Of Wall
FAB	Fabrication(tion)
FAC	Facing
FAS	Fastener(er)
FBD	Fiberboard
FBGL	Fiberglass
FH	Fire Hydrant
FHC	Fire Hose Cabinet
FHMS	Flathead Machine Screw
FHWS	Flathead Wood Screw
FHSS	Flathead Stainless steel
FIN	Finish(ed,es)
FLEX	Flex(ible)
FLR	Floor
FLOOR	Fluorescent
FDN/D	Foundation
FPRF	Fireproof
FRT	Fire-Retardant
FS	Fixed Shelf
FTG	Footing
FURR	Furring(ed)
FUT	Future
FV	Field Verify
GB	Grab Bar
GI	Galvanized Iron
GA	Gauge
GALV	Galvanize
GL	Glass
GLAZ	Glazing
GR/AV	Grille
GRD	Grade
GSKT	Gasket
GYPBD	Gypsum Board
GYPLA	Gypsum Lath
HB	Hose Bibb
HC	Hollow Core
HCM	Hazardous Containing Material
HJT	Head Joint
HM	Hollow Metal
HVAC	Heating, Ventilating & Air-Conditioning
HBD	Hardboard
HDR	Header
HDWD	Hardwood
HDWR	Hardware
HEX	Hexagonal
HORIZ	Horizontal
HT	Height
HTG	Heating
HW	Hot Water
ID	Inside Diameter
INCL	Include(ing)
INSTR	Instruction(bar)
INSUL	Insulate(tion)
INTM	Intermediate
INTR	Interior
INV	Invert
JST	Joist
JT	Joint
KVC	Keen's Veneer Cement
KD	Knockdown
KPL	Kick-Plate
LBS	Pounds
LBT	Log Bolt
LF	Linear Foot
LH	Left Hand
LPT	Low Point
LADR	Ladder
LAM	Laminate(d)
LAV	Lavatory
LBL	Label
LVR	Louver
LOC	Location
LT	Light
MB	Machine Bolt, Marker Board
MC	Medicine Cabinet
MT	Metal Threshold
MAS	Masonry
MAX	Maximum
MBRN	Membrane
MECH/MECH'L	Mechanic(al)
MED	Medium
MFG	Manufacturing
MFR	Manufacturer
MIN	Minimum
MIR	Mirror
MISC	Miscellaneous
MLDG	Molding (Moulding)
MOD	Modular
MTD	Mounted
MTL(S)	Material
MULL	Mullion
MWK	Millwork
N	North
NIC	Not In Contract
NTS	Not To Scale
NAT	Natural
NOM	Nominal
OC	On Center
OCBW	On Center Both Ways
OD	Outside Diameter
OH	Over
OA	Overall
OBS	Obscure
OFCD	Overflow Drain
OHMS	Overhead Machine Screw
OHWS	Overhead Wood Screw
OHD	Overhead
OPHD	Opposite Hand
OPAQ	Opaque
OPNG	Opening
OPP	Opposite
PA	Planting Area
PBD	Particle Board
ℙ	Property Line
PLAM	Plastic Laminate(d)
POC	Point of Connection
POI	Point of Intersection
PT DISP	Paper Towel Dispenser
PTD/RCP	Partition Or Receptical
PVC	Poly-Vinyl Chloride
PART	Partition
PC CONC	Precast Concrete
PERF	Perforated
PERIM	Perimeter
PL	Plate
PLAS	Plaster
(PCPL	(Portland) Cement Plaster
PNL	Panel
PNT(D)	Painted)
PRE-FAB	Pre-Fabricated
PLMG	Plumbing
PLYWD	Plywood
R	Riser
RD	Roof Drain
RH	Right Hand
RJ	Roof Joist
RL	Ridge Line
RO	Rough Opening
RWD	Redwood
ROW	Right Of Way
REF	Reference
REINF	Reinforce(ment)
REM	Removal
REQ	Required
RES	Resilient
RET	Return
REV	Revision
RFG	Roofing
RFL	Reflected(ive,or)
RM	Room
RTSB	Rubber Top Set Base
RWD	Redwood
RWL	Rainwater Leader
S&P	Shelf And Pole
S	South
SC	Solid Core
SD	Storm Drain
SKDSP	Sanitary Napkin Dispenser
SHTG	Sheet(ing)
SIM	Similar
SHLF	Shelf
SHLVG	Shelving
SHT	Sheet
SHTG	Sheathing
SIM	Similar
SGT	Skylight
SMHC	Small Manhole Cover
SP	Space(s)
SPEC	Specification(s)
SQ	Square
SS	Stainless Steel
STD	Standard
STL	Steel
STOR	Storage
STRUC	Structure
STRUCT'L	Structural
SYS	System
T&B	Top & Bottom
T&G	Tongue & Groove
T	Tread
TB	Towel Bar
THRU	Through
TJ	Tool Joint
TS	Tube Steel
TOB	Top Of Beam
TOC	Top Of Curb (Conc)
TOM	Top Of Masonry
TOP	Top Of Plate/Top of Parapet
TOS	Top Of Sheathing
TOW	Top Of Wall
TP DISP	Toilet Paper Dispenser
T PART	Toilet Partition
TSC DISP	Toilet Seat Cover Dispenser
TEL	Telephone
TEMP	Temperature
THD	Thread(ed,s)
THK	Thick(ness)
TKBD	Tackboard
TSB	Topset Base
TYP	Typical
TW	Tread Width
UNO	Unless Noted Otherwise
VIF	Verify in Field
VG	Vertical Grain
VO	Vent Over (Offset)
VR	Vent Riser
VTR	Vent Through Roof
VAR	Varnish
VCT	Vinyl Composition Tile
VCTWB	Vinyl Composition Tackable Wallboard
VEN	Veneer
VERT	Vertical
VPB	Vapor Barrier
W	West
WGL	Wire Glass
WHCAB	Wall Hung Cabinet
WI	Wrought Iron
WM	Wire Mesh
WWV	Wall To Wall
WWM	Welded Wire Mesh
W/	With
W/O	Without
WDWD	Window
WP	Waterproof(ing)
WSCT	Wainscot
WST	Waste
WT	Weight
WD	Wood
X-FMR	Transformer

GENERAL NOTES

NOTHING IN THE DRAWINGS AND/OR THE SPECIFICATIONS SHALL BE CONSTRUED TO PERMIT AN INSTALLATION THAT COULD BE IN VIOLATION OF THE APPLICABLE CODES, ORDINANCES, REGULATIONS, RESTRICTIONS, ETC. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL BE IN FULL ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, REGULATIONS.

THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IMMEDIATELY. DISCREPANCIES BETWEEN FIELD CONDITIONS AND THE DRAWINGS SHALL CAUSE THE CONTRACTOR TO NOTIFY THE ARCHITECT PRIOR TO MAKING ANY CHANGES IN THE WORK.

THE DRAWINGS, IDEAS, DESIGNS AND ARRANGEMENTS REPRESENTED HEREBY ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT/OWNER AND NO PART THEREOF SHALL BE COPIED OR DISCLOSED TO OTHERS OR USED IN CONNECTION WITH ANY WORK OR PROJECT OTHER THAN THE SPECIFIC PROJECT FOR WHICH THESE DOCUMENTS HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT. VISUAL CONTACT WITH THESE DRAWINGS CONSTITUTES CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS.

WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.

MISPLACEMENT, ADDITION, OR OMISSION OF ANY WORD, LETTER, FIGURE, PUNCTUATION MARK, ETC., SHALL IN NO WAY CHANGE OR ALTER THE TRUE INTENT, SPIRIT, OR MEANING OF THE DRAWINGS. THE CONTRACTOR SHALL STUDY AND COMPARE ALL DRAWINGS AND SHALL REPORT ANY ERRORS, OMISSIONS, OR INCONSISTENCIES TO THE ARCHITECT BEFORE COMMENCING WORK IN THAT AREA.

ALL WORK SHALL BE IN CONFORMANCE WITH THE CURRENTLY ADOPTED EDITION OF THE:

PART 1	2019 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, TITLE 24 C.C.R.
PART 2	2019 CALIFORNIA BUILDING CODE, TITLE 24 C.C.R. (2018 INTERNATIONAL BUILDING CODE, VOLUME 1 AND 2 WITH CALIFORNIA AMENDMENTS)
PART 3	2019 CALIFORNIA ELECTRICAL CODE, TITLE 24 C.C.R. (2017 NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA)
PART 4	2019 CALIFORNIA MECHANICAL CODE, TITLE 24 C.C.R. (2018 UNIFORM MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)
PART 5	2019 CALIFORNIA PLUMBING CODE, TITLE 24 C.C.R. (2018 UNIFORM PLUMBING CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO AND CALIFORNIA AMENDMENTS)
PART 6	2019 CALIFORNIA ENERGY CODE, TITLE 24 C.C.R.
PART 7	CURRENTLY VACANT
PART 8	2019 CALIFORNIA HISTORICAL BUILDING CODE, TITLE 24 C.C.R
PART 9	2019 CALIFORNIA FIRE CODE, TITLE 24 C.C.R (2018 INTERNATIONAL FIRE CODE OF THE INTERNATIONAL CODE COUNCIL)
PART 10	2019 CALIFORNIA EXISTING BUILDING CODE, TITLE 24 C.C.R. (2018 INTERNATIONAL EXISTING BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH AMENDMENTS) WITH 2019 CALIFORNIA HISTORICAL BUILDING CODE, TITLE 24, PART 8 & 2019 CALIFORNIA REFERENCED STANDARDS CODE, TITLE 24, PART 12
PART 11	2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CAL GREEN CODE), TITLE 24 C.C.R.
PART 12	2019 CALIFORNIA REFERENCE STANDARDS CODE, TITLE 24 C.C.R.

PARTIAL LIST OF APPLICABLE STANDARDS:

NFPA 10	STANDARD FOR PORTABLE FIRE EXTINGUISHERS	2018 EDITION
NFPA 13	AUTOMATIC SPRINKLER SYSTEMS (CALIFORNIA AMENDED)	2016 EDITION
NFPA 14	STANDPIPE SYSTEMS (CALIFORNIA AMENDED)	2019 EDITION
NFPA 17	DRY CHEMICAL EXTINGUISHING SYSTEMS	2017 EDITION
NFPA 17A	WET CHEMICAL EXTINGUISHING SYSTEMS	2017 EDITION
NFPA 20	STATIONARY PUMPS	2019 EDITION
NFPA 24	PRIVATE FIRE SERVICE MAINS (CALIFORNIA AMENDED)	2019 EDITION
NFPA 72	NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED) (NOTE SEE UL STANDARD 1971 FOR "VISUAL DEVICES")	2016 EDITION
NFPA 253	CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS	2019 EDITION
NFPA 2001	CLEAN AGENT FIRE EXTINGUISHING SYSTEMS REFERENCE CODE SECTION FOR NFPA STANDARDS-CBC (SFM) 3504.1	2018 EDITION

IF CONFLICTS BETWEEN VARIOUS ELEMENTS (ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL) OF THE WORK OF THE DRAWINGS ARE DISCOVERED, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN ACCORDANCE WITH THE CONDITIONS OF THE CONTRACT.

THESE PROPOSED PLANS WERE BASED ON PLANS BY OTHERS, FURNISHED BY THE OWNER, INDICATING WORK OF PREVIOUS CONTRACTS. THE EXISTING PLANS WILL BE MADE AVAILABLE FOR THE CONTRACTOR'S REVIEW UPON REQUEST. THE OWNER, THE ARCHITECT AND THE ENGINEERS SHALL ASSUME NO RESPONSIBILITY FOR THE EXISTING CONDITIONS AND MEASUREMENTS INDICATED ON THESE PROPOSED PLANS. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING MEASUREMENTS AND CONDITIONS NECESSARY TO PROVIDE COMPLETE WORK AS INDICATED BY THE INTENT OF THESE PLANS PRIOR TO PROCEEDING WITH WORK OF THIS CONTRACT.

EXISTING DIMENSIONS INDICATED ON THESE PROPOSED DRAWINGS HAVE BEEN PROVIDED FROM INFORMATION OBTAINED FROM THE DISTRICT. THE CONTRACTOR SHALL USE WHAT MEANS NECESSARY TO VERIFY THE DIMENSIONS IN THE AREAS OF DESIGNATED WORK. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO STARTING WORK IN THE AREA OF QUESTION.

CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA, A CONSTRUCTION CHANGE DOCUMENT APPROVED BY THE COUNTY OF KERN.

A "CLASS 2" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.

GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LEGAL ORDINANCES.

THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATIONS, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITION SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHERE THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT (CCD TYPE A) OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY COUNTY OF KERN BEFORE PROCEEDING WITH THE REPAIR WORK.

CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH NEW OR EXISTING STRUCTURAL ELEMENTS TO BE DONE ONLY WHEN SO DETAILED IN THE DRAWINGS OR ACCEPTED BY THE ARCHITECT AND ENGINEER WITH THE APPROVAL OF COUNTY OF KERN REPRESENTATIVE.

SCOPE OF WORK

BASE BID:
ALL LABOR, MATERIALS, AND EQUIPMENT AS REQUIRED TO DEMO EXISTING ROOFING FOR THE WORK INDICATED, CHILLER SYSTEM & YARD, HAZARDOUS MATERIAL REMOVAL, CEILINGS, UNIT VENTILATORS AND MISC DEMOLITION AT (E) RESTROOMS AS INDICATED. WORK SHALL INCLUDE BUT NOT NECESSARILY LIMITED TO; PROVIDE AND INSTALL ALL HVAC UPGRADES AT BUILDINGS A, C, D, E, F, G, H & I, ACCESSIBLE PATH OF TRAVEL, ADA UPGRADES AT RESTROOMS, FRAMING, DOORS, FRAMES, HARDWARE, AND INTERIOR FINISHES, ROOFING, PLUMBING, ELECTRICAL, FIRE ALARM, LIGHTING AND POWER AS INDICATED BY PLANS AND/OR SPECIFICATIONS CONTAINED HEREIN.

HAZARDOUS MATERIAL REMOVAL NOTES

1. THE GENERAL CONTRACTOR SHALL IMMEDIATELY NOTIFY BOTH THE OWNER AND THE ARCHITECT IF ASBESTOS OR OTHER HAZARDOUS CONTAINING MATERIALS ARE UNCOVERED IN ANY LOCATION OTHER THAN INDICATED IN THESE PLANS OR SPECIFICATIONS WHERE WORK OF THIS CONTRACT IS SCHEDULED.
2. COST OF HAZARDOUS MATERIAL REMOVAL/ASBESTOS ABATEMENT SHALL BE BORE BY THE GENERAL CONTRACTOR, AS PART OF THIS CONTRACT. ASBESTOS AND HAZARDOUS MATERIAL TESTING WORK AND SERVICES BY THE CERTIFIED ASBESTOS CONSULTANT ARE NOT A PART OF THIS CONTRACT. THE OWNER WILL EMPLOY THE CERTIFIED ASBESTOS ABATEMENT CONSULTANT AND PAY ALL COST OF TESTING.
3. THE COST OF AND SUBSEQUENT REMOVAL OF OTHER BUILDING MATERIALS CONTAINING HAZARDOUS MATERIALS SHALL BE A PART OF THIS CONTRACT. CONTRACTOR SHALL BE REQUIRED TO CONTRACT THE REMOVAL OF ANY AND ALL HAZARDOUS MATERIALS PER REQUIREMENTS AND REGULATIONS PER O.S.H.A., A.H.E.R.A. AND N.E.S.H.A.P. AND ANY OR ALL OTHER APPLICABLE FEDERAL AND STATE REGULATIONS.
4. IT SHALL BE CLEARLY UNDERSTOOD BY THE CONTRACTOR AND THE OWNER THAT THE ARCHITECT IS NOT RESPONSIBLE IN ANY WAY WHATSOEVER FOR THE DETECTION OF THE PRESENCE OF ANY HAZARDOUS MATERIALS OR THE ABATEMENT OR REMOVAL THERE OF.
5. AFTER THE CERTIFIED ASBESTOS CONSULTANT HAS CERTIFIED THE ENVIRONMENT IS FREE OF ASBESTOS FIBERS (AIR SAMPLES AND THE LABORATORY TESTS), THE GENERAL CONTRACTOR SHALL COMPLETE THE WORK OF THIS CONTRACT.
6. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO KEEP THE OWNER AND THE ARCHITECT INFORMED AS OF WHEN THE ASBESTOS ABATEMENT AND HAZARDOUS MATERIALS CONTRACTOR WILL BE REQUIRED TO COMMENCE THEIR WORK.
7. IT SHALL BE UNDERSTOOD THAT THE OWNER, THE ARCHITECT AND THE ENGINEER MAKE NO IMPLIED OR EXPRESSED WARRANTY OR GUARANTEE THAT THE LIST OF PRODUCTS / FINISHES CONTAINING HAZARDOUS BUILDING MATERIALS IS COMPREHENSIVE.
8. SEE SPECIFICATION SECTION 02 62 00 HAZARDOUS MATERIALS ABATEMENT AND REMOVAL FOR A LIST OF IDENTIFIED MATERIALS REQUIRING ABATEMENT.

SITE DATA

SEISMIC DESIGN LOADS:

SEISMIC IMPORTANCE FACTOR I_E	1.25
RISK CATEGORY	II
S_s	0.925g
S_1	0.335g
SEISMIC SITE CLASS	D
S_{DS}	0.74g
S_{D1}	NULL
SEISMIC DESIGN CATEGORY	D
ULTIMATE DESIGN WIND SPEED	94
WIND EXPOSURE	C
TOPOGRAPHIC FACTOR	1.0
CLIMATE ZONE	13
FLOOD HAZARD	DESIGNATION: ZONE X, (FIRM) PANEL 2282, SEPTEMBER 26, 2008

SHEET INDEX

(count) SHEETS TOTAL

Preliminary
10/13/2022 2:35:11 PM

DESIGN TEAM

OWNER

BAKERSFIELD CITY SCHOOL DISTRICT
1300 BAKER STREET
BAKERSFIELD, CA. 93305
(661) 631-4600
FAX (661) 326-1485

ARCHITECT

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

CONSULTING ENGINEERS

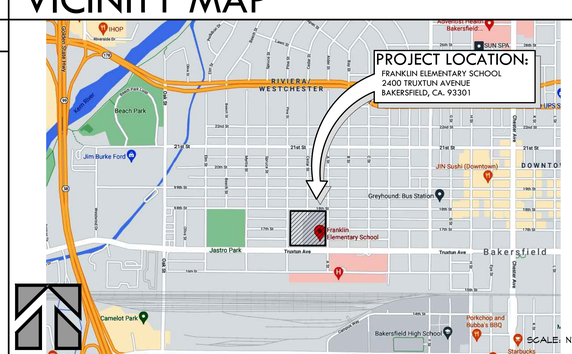
CIVIL
SWANSON ENGINEERING
2000 OAK ST., SUITE 150
BAKERSFIELD, CA. 93301
(661) 831-4919
FAX (661) 831-4929

STRUCTURAL
JOHN A. MARTIN & ASSOCIATES 950
SOUTH GRAND AVE.
LOS ANGELES, CA. 90015
(213) 483-6490
FAX (213) 744-1515

MECHANICAL/ PLUMBING
BASKIN MECHANICAL ENGINEERS INC.
5500 MING AVE., SUITE 251
BAKERSFIELD, CA. 93309
(661) 397-2114
FAX (661) 397-2116

ELECTRICAL
DPG ENGINEERING, INC.
6702 N. CEDAR AVE., SUITE 205
FRESNO, CA. 93710
(559) 276-5144
FAX (559) 900-4929

VICINITY MAP



TITLE SHEET, SHEET INDEX & VICINITY MAP

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN: ED, FS
CHECKED: BCW
DATE: 6/13/22

T

0.0
OF#### SHEETS

PTN: 63321-382 FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT
STEPHEN T. CORBIN
No. C-16788
REN 11/30/23
STATE OF CALIFORNIA

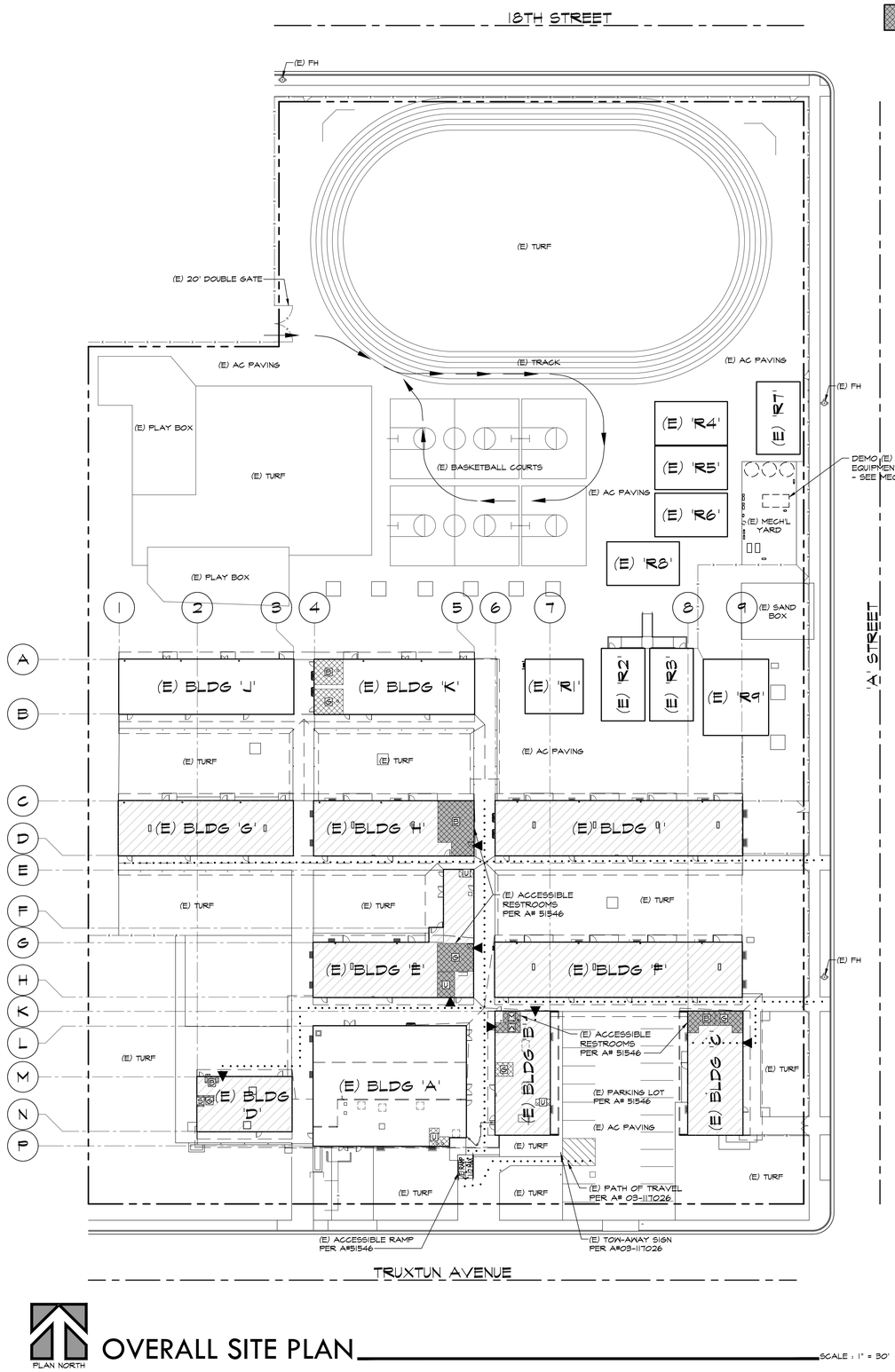
STEPHEN J. CORBIN, NCARB, AIA, LEED ®.AP

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

BAKERSFIELD CITY SCHOOL DISTRICT
Success For Every Child, Every Classroom, Every Day

LEGEND:

- NO WORK SCHEDULE FOR THIS BUILDING
- AREA OF SCHEDULED WORK PER THIS APPLICATION
- CONCRETE WALK (22 / A10.0)
- (E) ACCESSIBLE RESTROOM
- ACCESSIBLE RESTROOM PER THIS APPLICATION
- PATH OF TRAVEL
- PROPERTY LINE
- ASSUMED PROPERTY LINE
- (E) CHAIN LINK FENCE
- FIRE DEPARTMENT ACCESS



CAMPUS DIRECTORY

BLDG #	BUILDING DESCRIPTION	DSA A#
(E) BLDG 'A'	CAFETERIA	#4296, #51546, #11380
(E) BLDG 'B'	ADMINISTRATION / CLASSROOMS	#4296, #51546
(E) BLDG 'C'	KINDERGARTEN	#4296, #51546
(E) BLDG 'D'	KINDERGARTEN	#51546, #11380
(E) BLDG 'E'	CLASSROOMS	#4296, #51546
(E) BLDG 'F'	PRE-K	#4296, #51546
(E) BLDG 'G'	HEAD START	#51546, #11380
(E) BLDG 'H'	CLASSROOMS	#4296, #51546
(E) BLDG 'I'	CLASSROOMS	#4296, #51546
(E) BLDG 'J'	CLASSROOM	#51546, #11380
(E) BLDG 'K'	CLASSROOMS	#51546, #11380
(E) 'R1'	CLASSROOM	#117766
(E) 'R2'	CLASSROOM	#52900, #03-117026
(E) 'R3'	CLASSROOM	#52900, #03-117026
(E) 'R4'	COMPUTER LAB	#03-117026
(E) 'R5'	LIBRARY	#03-117026
(E) 'R6'	SPECIAL ED	#03-117026
(E) 'R7'	PTC	#03-117026
(E) 'R8'	SPECIAL ED	#03-117350
(E) 'R9'	PRE-K	#61154

PARKING ANALYSIS

(E) PARKING LOT
PER DSA A# 51546

REGULAR STALLS	22
ACCESSIBLE STALLS	0
ACCESSIBLE VAN STALL	+1
TOTAL	23

PLAN NORTH

OVERALL SITE PLAN

SCALE : 1" = 30'

PTN : 63321-382 FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN. 11/30/23 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

BAKERSFIELD CITY SCHOOL DISTRICT — Where The Child Comes First

OVERALL SITE PLAN

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN : ED, FS
CHECKED : BCW
DATE : 9/21/22

1.0
OF count SHEETS

KEYNOTES

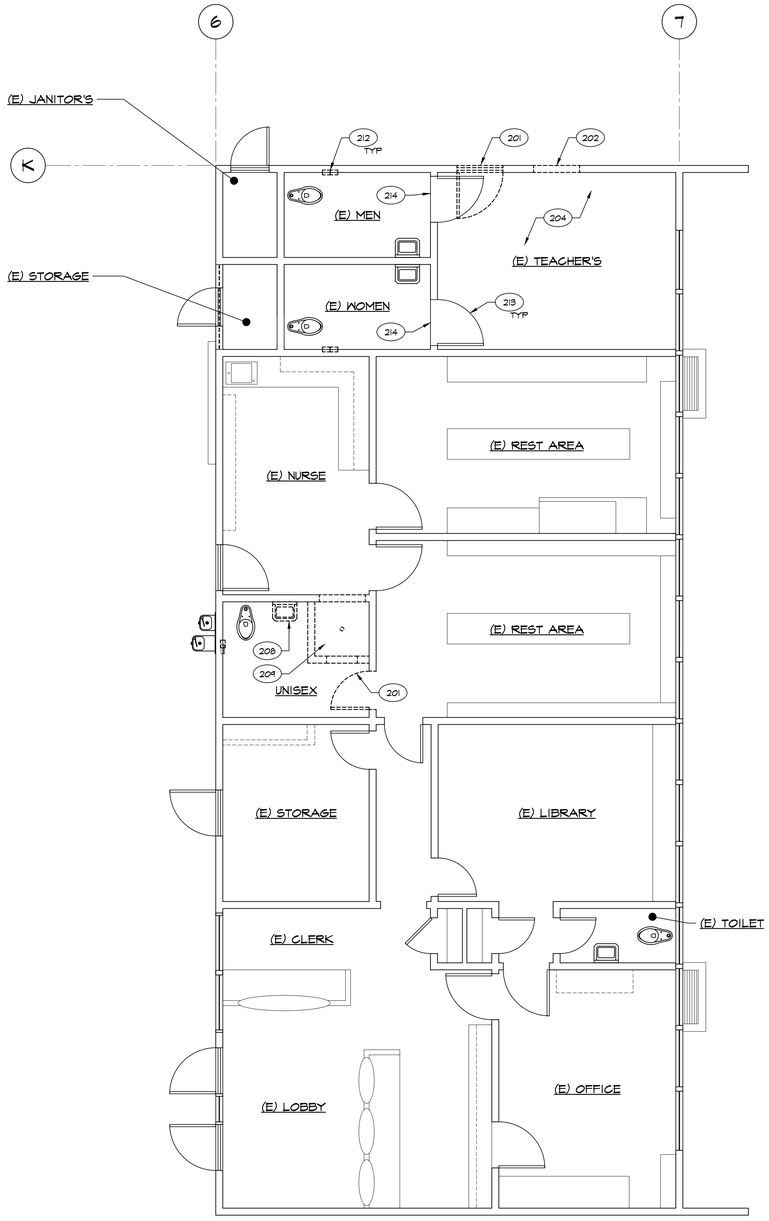
201	DEMO (E) DOOR, FRAME, HARDWARE & THRESHOLD WHERE OCCURS	
202	DEMO (E) 2x STUD WALL, FINISH & CHIP OUT CONC CURB WHERE OCCURS	
203	DEMO (E) CEILING	
204	DEMO (E) FLOOR FINISH	
205	DEMO (E) SOLID TOILET PARTITIONS	
206	DEMO (E) TOILET/URINAL	
207	DEMO (E) LAVATORY/SINK	
208	DEMO (E) SHOWER & CURB	
209	DEMO (E) UNIT VENTILATOR	
210	DEMO (E) DF	
211	DEMO (E) TOILET PAPER DISPENSER	
212	(E) DF TO REMAIN	
213	(E) DOOR TO REMAIN	
214	(E) THRESHOLD/REDUCER STRIP TO REMAIN	
215	(E) WINDOW TO REMAIN	
216	(E) HAND DRYER TO REMAIN	
217	(E) LAVATORY / SINK TO REMAIN	
218	(E) TOILET / URINAL TO REMAIN	
219	(E) GRAB BAR TO REMAIN	
220	(E) SOAP DISPENSER TO REMAIN	
221	(E) PAPER TOWEL DISPENSER TO REMAIN	
222	(E) SOLID TOILET PARTITIONS TO REMAIN	
223	(E) FLOOR DRAIN TO REMAIN	
224	(E) EXHAUST FAN SPEED CONTROL TO REMAIN	
225	RELOCATED INTERMEDIATE DISTRIBUTION FRAME	
226	DOOR - SEE SCHEDULE	
227	THRESHOLD	
228	REDUCER STRIP	
229	PATCH & MATCH (E) CONC SLAB AS REQ'D	
230	WALL IN-FILL, PATCH & MATCH WALL FINISHES AS REQ'D	
231	PLAM BASE CABS AND/OR UPPER CABS	
232	SOLID PLASTIC PARTITIONS	
233	GRAB BAR - 48" AT SIDE AND 36" AT BACK	
234	HAND DRYER PER SPEC	
235	RECESSED TOILET PAPER DISPENSER	
236	TOILET AND REQUIREMENTS - SEE PLUMBING PLANS	
237	URINAL AND REQUIREMENTS - SEE PLUMBING PLANS	
238	LAVATORY/SINK AND REQUIREMENTS - SEE PLUMBING PLANS	
239	DRINKING FOUNTAIN REQUIREMENTS - SEE PLUMBING PLANS	
240	1½"ø STD PIPE RAIL PER SPEC	

ADA REQ'D MIN CLEARANCES

[1]	30" X 48"
[2]	48" X 48"
[3]	48" X 54"
[4]	48" X 60"
[5]	54" X 60"
[6]	60" X 60"
[7]	60" X 72"
[8]	60" DIA

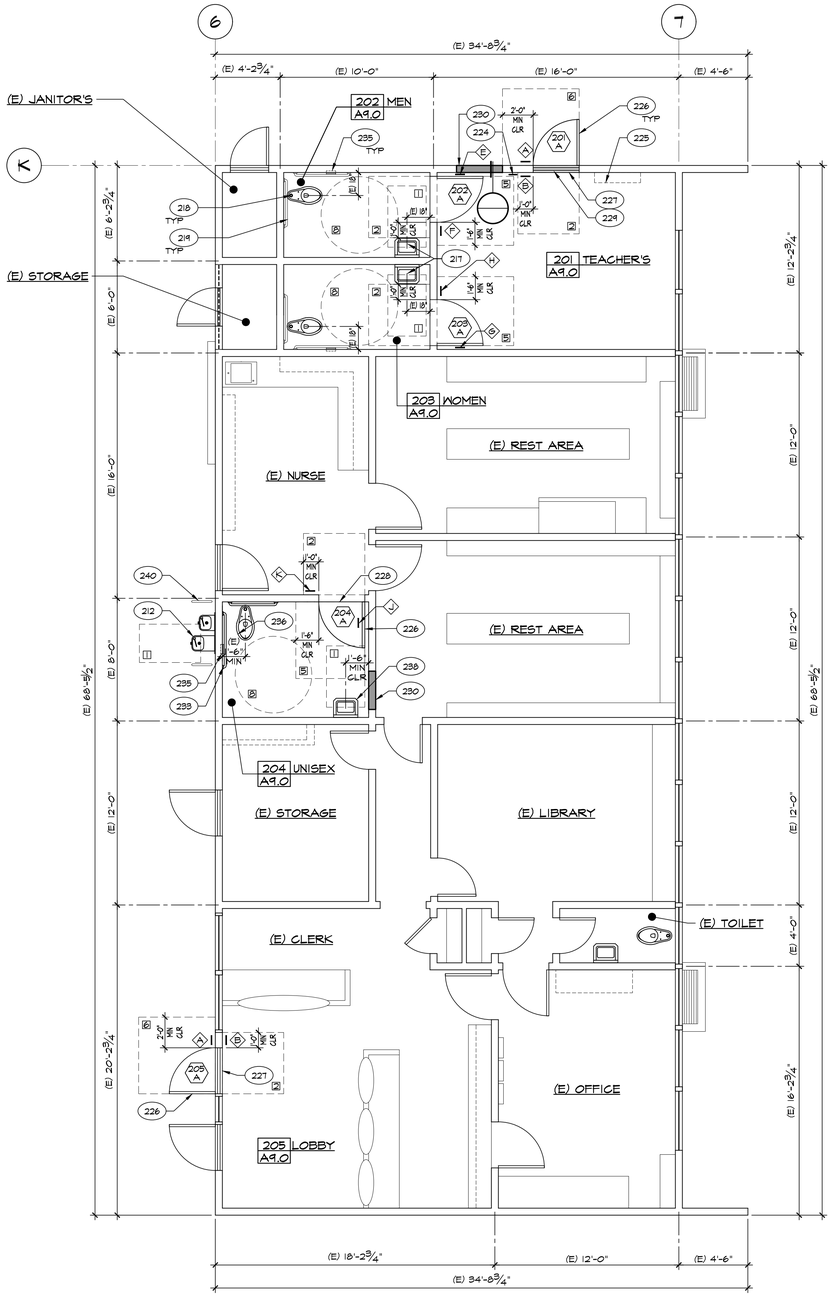
WALL LEGEND:

- DEMO (E) 2x WOOD STUD WALL
- (E) 2x WOOD STUD WALL
- 2x6 WOOD STUDS @ 16" OC UNO - NON-BEARING WALL



B DEMO FLOOR PLAN BUILDING 'B' — SCALE : 1/4" = 1'-0"

PLAN NORTH



A FLOOR PLAN BUILDING 'B' — SCALE : 1/4" = 1'-0"

PLAN NORTH

PTN : 63321-382 FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/23 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

BAKERSFIELD CITY SCHOOL DISTRICT — Putting The Child Center Stage

FLOOR PLAN BUILDING 'B'

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN : ED, FS
CHECKED : BCW
DATE : 9/15/22

2.0
OF count SHEETS

KEYNOTES

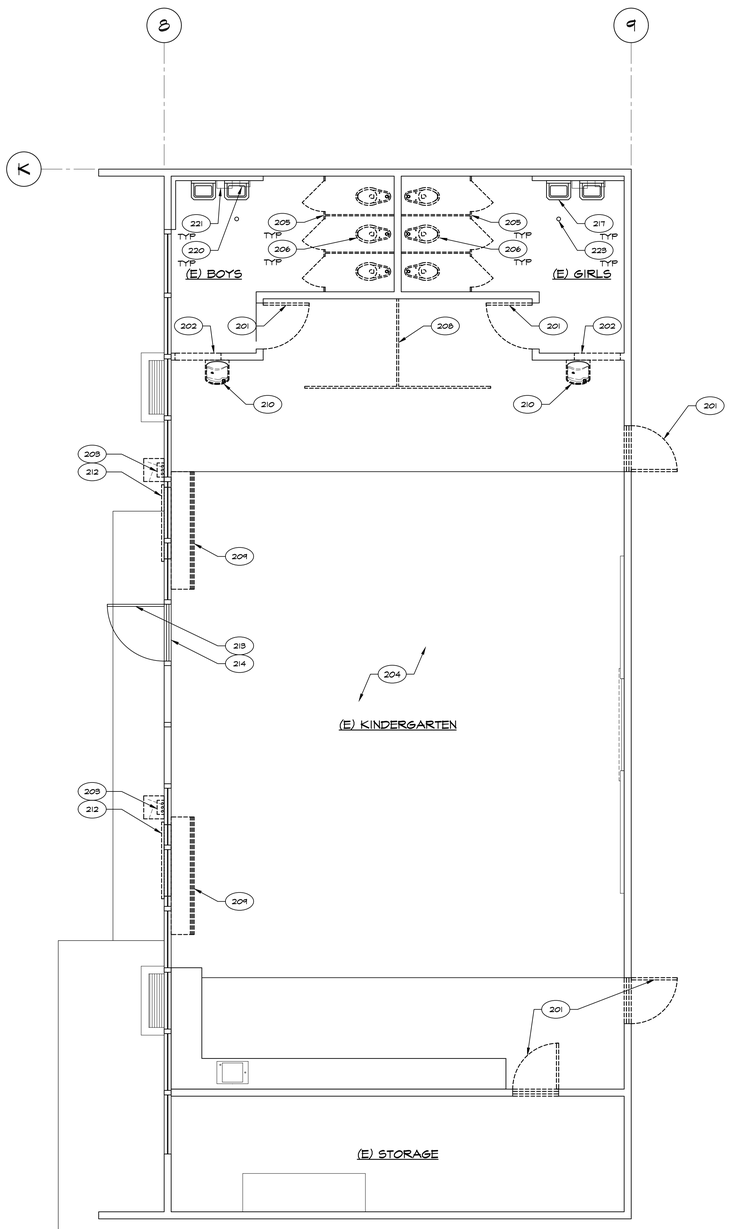
201	DEMO (E) DOOR, FRAME, HARDWARE & THRESHOLD WHERE OCCURS	
202	DEMO (E) 2x STUD WALL, FINISH & CHIP OUT CONC CURB WHERE OCCURS	
203	DEMO (E) PIPE COVER, SUPPLY / RETURN WATER LINES & CAP BELOW GRADE	
204	DEMO (E) CEILING	
205	DEMO (E) SOLID TOILET PARTITIONS	
206	DEMO (E) TOILET/URINAL	
207	DEMO (E) LAVATORY/SINK	
208	DEMO COAT RACK	
209	DEMO (E) UNIT VENTILATOR	
210	DEMO (E) DRINKING FOUNTAIN	
211	DEMO (E) TOILET PAPER DISPENSER	
212	DEMO (E) LOUVER	
213	(E) DOOR TO REMAIN	
214	(E) THRESHOLD TO REMAIN	
215	(E) WINDOW TO REMAIN	
216	(E) HAND DRYER TO REMAIN	
217	(E) LAVATORY / SINK TO REMAIN	
218	(E) TOILET / URINAL TO REMAIN	
219	(E) GRAB BAR TO REMAIN	
220	(E) SOAP DISPENSER TO REMAIN	
221	(E) PAPER TOWEL DISPENSER TO REMAIN	
222	(E) SOLID TOILET PARTITIONS TO REMAIN	
223	(E) FLOOR DRAIN TO REMAIN	
224	(E) EXHAUST FAN SPEED CONTROL TO REMAIN	
225	RELOCATED INTERMEDIATE DISTRIBUTION FRAME	
226	DOOR - SEE SCHEDULE	
227	THRESHOLD	
228	REDUCER STRIP	
229	PATCH & MATCH (E) CONC SLAB AS REQ'D	
230	WALL IN-FILL, PATCH & MATCH WALL FINISHES AS REQ'D	
231	PLAM BASE CABS AND/OR UPPER CABS	
232	SOLID PLASTIC PARTITIONS	
233	GRAB BAR - 48" AT SIDE AND 36" AT BACK	
234	HAND DRYER PER SPEC	
235	RECESSED TOILET PAPER DISPENSER	
236	TOILET AND REQUIREMENTS - SEE PLUMBING PLANS	
237	URINAL AND REQUIREMENTS - SEE PLUMBING PLANS	
238	LAVATORY/SINK AND REQUIREMENTS - SEE PLUMBING PLANS	
239	DRINKING FOUNTAIN REQUIREMENTS - SEE PLUMBING PLANS	
240	1½"ø STD PIPE RAIL PER SPEC	

ADA REQ'D MIN CLEARANCES

1	30" X 48"
2	48" X 48"
3	48" X 54"
4	48" X 60"
5	54" X 60"
6	60" X 60"
7	60" X 72"
8	60" DIA

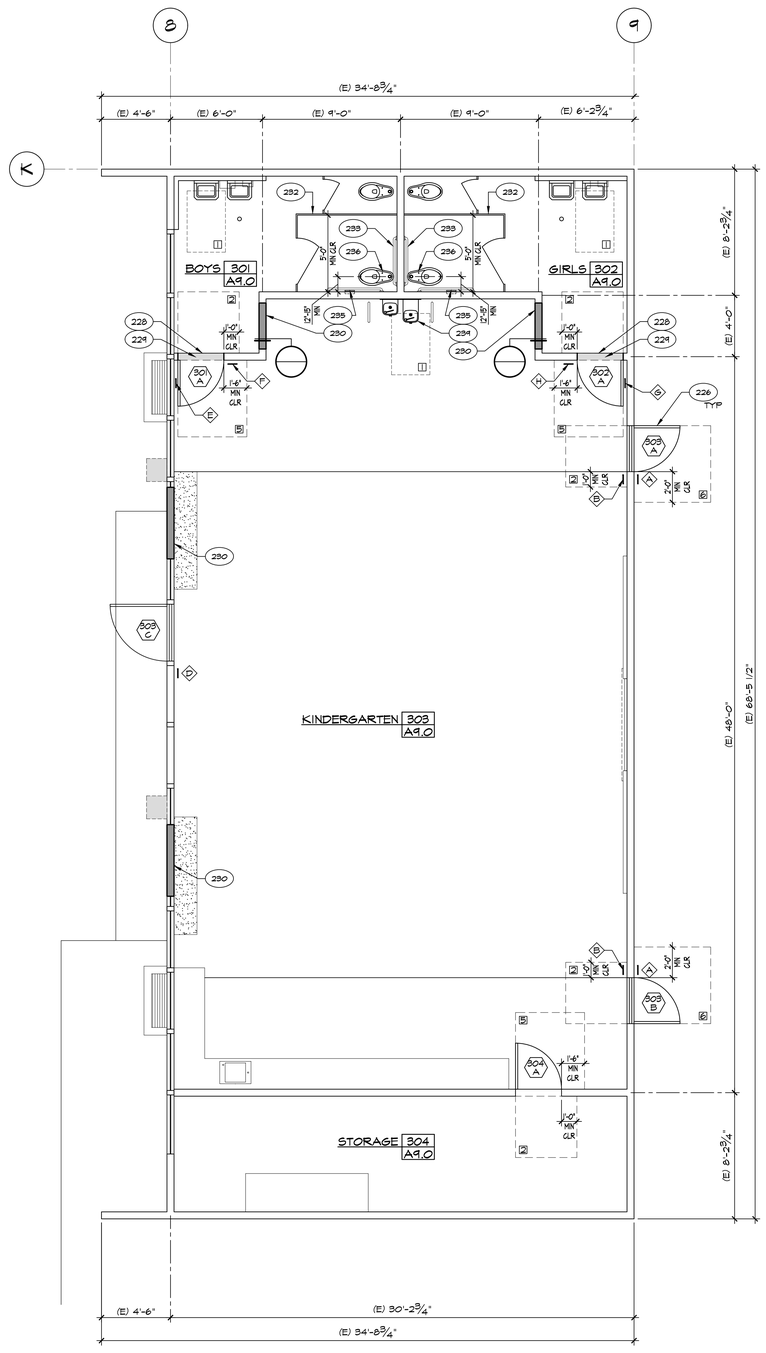
LEGEND:

- DEMO (E) 2x WOOD STUD WALL
- (E) 2x WOOD STUD WALL
- (E) 2x FURRED WALL
- DEMO (E) CONC SLAB AS REQ'D
- CONC SLAB IN-FILL
- PATCH & MATCH FLOORING TO MATCH (E) FLOORING



B DEMO FLOOR PLAN BUILDING 'C' SCALE : 1/4" = 1'-0"

PLAN NORTH



A FLOOR PLAN BUILDING 'C' SCALE : 1/4" = 1'-0"

PLAN NORTH

PTN : 63321-382 FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN T. CORBIN No. C-16788 REN: 11/30/22 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

BAKERSFIELD CITY SCHOOL DISTRICT — Putting The Child Center Stage

FLOOR PLAN BUILDING 'C'

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN : ED, FS
CHECKED : BCW
DATE : 9/29/22

2.1
OF count SHEETS

KEYNOTES

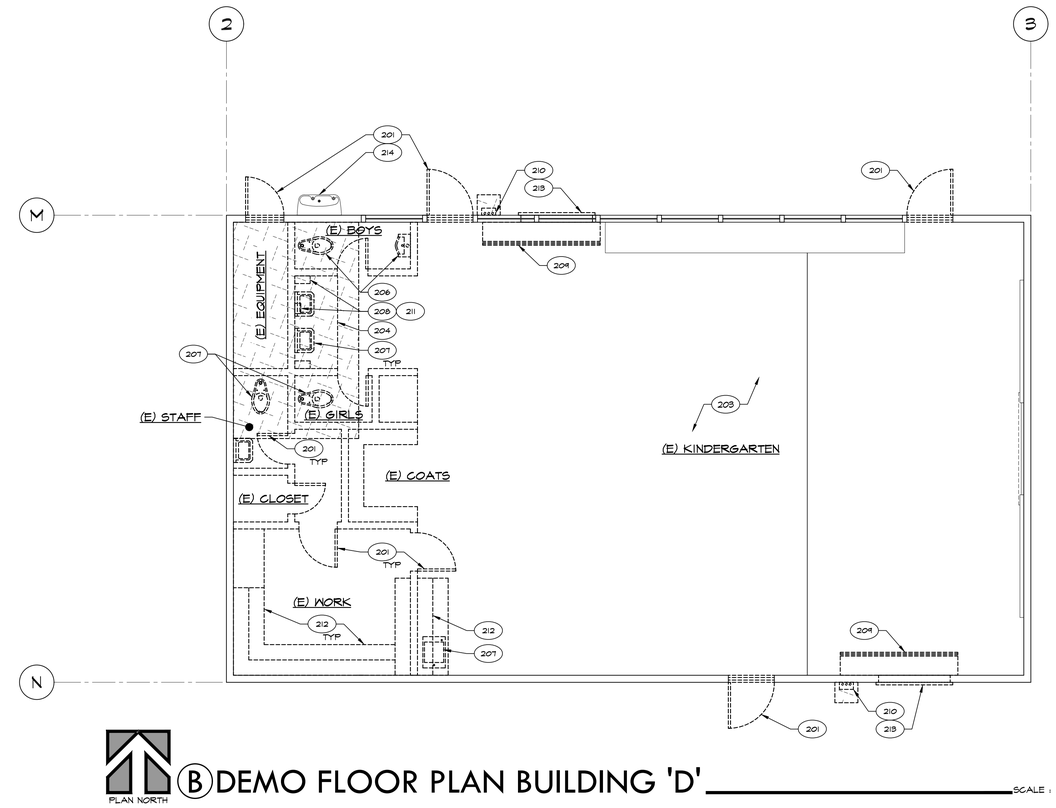
201	DEMO (E) DOOR, FRAME, HARDWARE & THRESHOLD WHERE OCCURS	
202	DEMO (E) 2x STUD WALL, FINISH & CONC CURB WHERE OCCURS	
203	DEMO (E) CEILING	
204	DEMO (E) FLOOR FINISH	
205	DEMO (E) SOLID TOILET PARTITIONS	
206	DEMO (E) TOILET/URINAL	
207	DEMO (E) LAVATORY/SINK	
208	DEMO (E) SOAP DISPENSER	
209	DEMO (E) UNIT VENTILATOR	
210	DEMO (E) PIPE COVER, SUPPLY / RETURN WATER LINES & CAP BELOW GRADE	
211	DEMO (E) TOILET PAPER DISPENSER	
212	DEMO (E) CABINETS	
213	DEMO (E) LOUVER	
214	DEMO (E) DF	
215	(E) DOOR TO REMAIN	
216	(E) THRESHOLD TO REMAIN	
217	(E) WINDOW TO REMAIN	
218	(E) HAND DRYER TO REMAIN	
219	(E) LAVATORY / SINK TO REMAIN	
220	(E) TOILET / URINAL TO REMAIN	
221	(E) GRAB BAR TO REMAIN	
222	(E) SOAP DISPENSER TO REMAIN	
223	(E) PAPER TOWEL DISPENSER TO REMAIN	
224	(E) SOLID TOILET PARTITIONS TO REMAIN	
225	(E) FLOOR DRAIN TO REMAIN	
226	(E) EXHAUST FAN SPEED CONTROL TO REMAIN	
227	RELOCATED INTERMEDIATE DISTRIBUTION FRAME	
228	DOOR - SEE SCHEDULE	
229	THRESHOLD	
230	REDUCER STRIP	
231	WINDOW - SEE SCHEDULE	
232	WALL IN-FILL, PATCH & MATCH WALL FINISHES AS REQ'D	
233	PLAM BASE CABS AND/OR UPPER CABS	
234	SOLID PLASTIC PARTITIONS	
235	GRAB BAR - 48" AT SIDE AND 36" AT BACK	
236	HAND DRYER PER SPEC	
237	RECESSED TOILET PAPER DISPENSER	
238	TOILET AND REQUIREMENTS - SEE PLUMBING PLANS	
239	URINAL AND REQUIREMENTS - SEE PLUMBING PLANS	
240	LAVATORY/SINK AND REQUIREMENTS - SEE PLUMBING PLANS	
241	DRINKING FOUNTAIN REQUIREMENTS - SEE PLUMBING PLANS	
242	1½"ø STD PIPE RAIL PER SPEC	

LEGEND:

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

ADA REQ'D MIN CLEARANCES

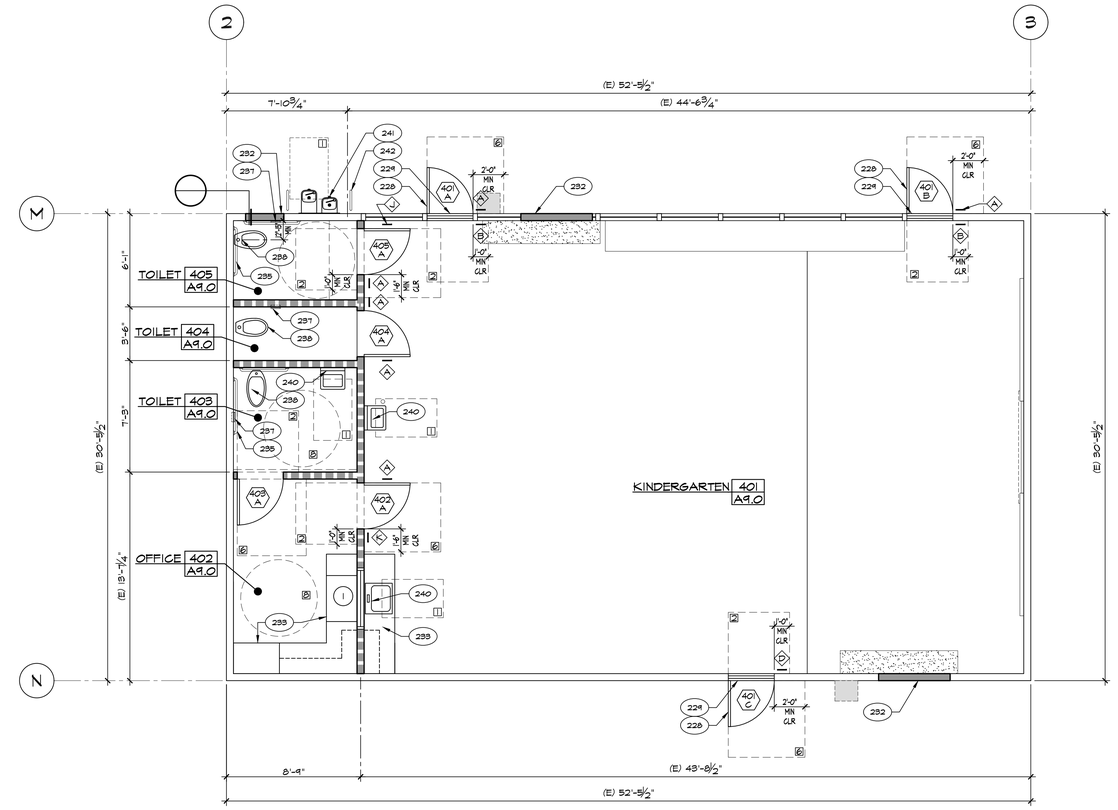
[1]	30" X 48"
[2]	48" X 48"
[3]	48" X 54"
[4]	48" X 60"
[5]	54" X 60"
[6]	60" X 60"
[7]	60" X 72"
[8]	60" DIA



PLAN NORTH

B DEMO FLOOR PLAN BUILDING 'D'

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



PLAN NORTH

A FLOOR PLAN BUILDING 'D'

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

PTN : 63321-382 FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL

MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

ARCHITECT SCA inc.
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM
LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/23 STATE OF CALIFORNIA
STEPHEN J. CORBIN, NCARB, 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.

BAKERSFIELD CITY SCHOOL DISTRICT Where No Child Comes Last

FLOOR PLAN BUILDING 'D'

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN : ED, FS
CHECKED : BCW
DATE : 10/10/22

2.2
OF count SHEETS

LEGEND:

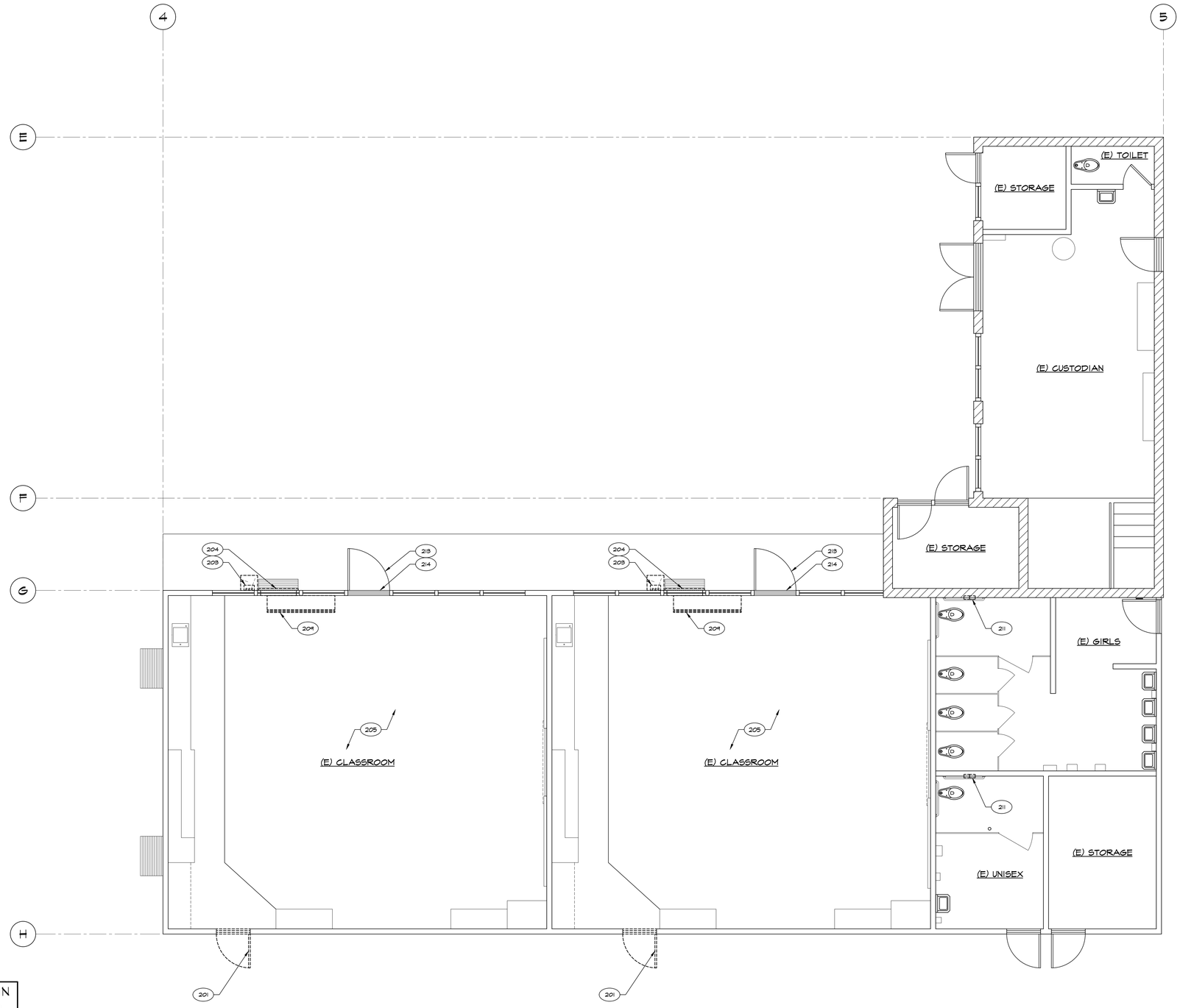
- (E) 2x WOOD STUD WALL
- (E) CMU WALL
- DEMO (E) CONC SLAB AS REQ'D

KEYNOTES

201	DEMO (E) DOOR, FRAME, HARDWARE & THRESHOLD WHERE OCCURS	
202	DEMO (E) 2x STUD WALL, FINISH & CONC CURB WHERE OCCURS	
203	DEMO (E) PIPE COVER, SUPPLY / RETURN WATER LINES & CAP BELOW GRADE	
204	DEMO LOUVER & INFILL WALL PATCH & MATCH INTR/EXTR FINISH AS REQ'D	
205	DEMO (E) CEILING	
206	DEMO (E) TOILET/URINAL	
207	DEMO (E) LAVATORY/SINK	
208	DEMO COAT RACK	
209	DEMO (E) UNIT VENTILATOR	
210	DEMO (E) DF	
211	DEMO (E) TOILET PAPER DISPENSER	
212	(E) DF TO REMAIN	
213	(E) DOOR TO REMAIN	
214	(E) THRESHOLD TO REMAIN	
215	(E) WINDOW TO REMAIN	
216	(E) HAND DRYER TO REMAIN	
217	(E) LAVATORY / SINK TO REMAIN	
218	(E) TOILET / URINAL TO REMAIN	
219	(E) GRAB BAR TO REMAIN	
220	(E) SOAP DISPENSER TO REMAIN	
221	(E) PAPER TOWEL DISPENSER TO REMAIN	
222	(E) SOLID TOILET PARTITIONS TO REMAIN	
223	(E) FLOOR DRAIN TO REMAIN	
224	(E) EXHAUST FAN SPEED CONTROL TO REMAIN	
225	RELOCATED INTERMEDIATE DISTRIBUTION FRAME	
226	DOOR - SEE SCHEDULE	
227	THRESHOLD	
228	REDUCER STRIP	
229	WINDOW - SEE SCHEDULE	
230	WALL IN-FILL, PATCH & MATCH WALL FINISHES AS REQ'D	
231	PLAM BASE CABS AND/OR UPPER CABS	
232	SOLID PLASTIC PARTITIONS	
233	GRAB BAR - 48" AT SIDE AND 36" AT BACK	
234	HAND DRYER PER SPEC	
235	RECESSED TOILET PAPER DISPENSER	
236	TOILET AND REQUIREMENTS - SEE PLUMBING PLANS	
237	URINAL AND REQUIREMENTS - SEE PLUMBING PLANS	
238	LAVATORY/SINK AND REQUIREMENTS - SEE PLUMBING PLANS	
239	DRINKING FOUNTAIN REQUIREMENTS - SEE PLUMBING PLANS	
240	1½"ø STD PIPE RAIL PER SPEC	

ADA REQ'D MIN CLEARANCES

1	30" X 48"
2	48" X 48"
3	48" X 54"
4	48" X 60"
5	54" X 60"
6	60" X 60"
7	60" X 72"
8	60" DIA



PLAN NORTH

DEMO FLOOR PLAN BUILDING 'E'

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

PTN : 63321-382 FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN T. CORBIN No. C-16788 REN 11/30/22 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN : ED, FS
CHECKED : BCW
DATE : 9/22/22

2.3
OF count SHEETS

KEYNOTES

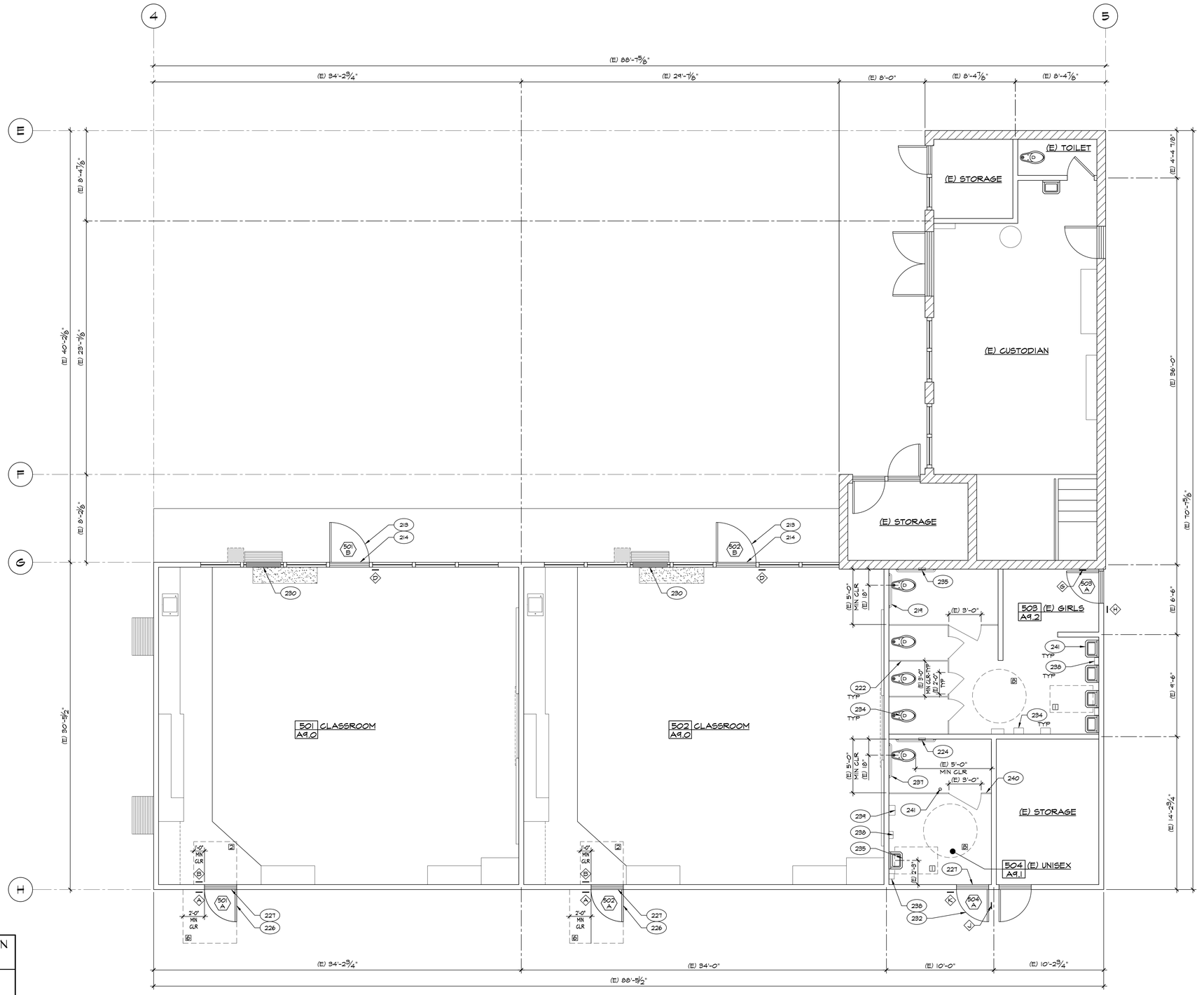
201	DEMO (E) DOOR, FRAME, HARDWARE & THRESHOLD WHERE OCCURS	
202	DEMO (E) 2x STUD WALL, FINISH & CONC CURB WHERE OCCURS	
203	DEMO (E) PIPE COVER, SUPPLY / RETURN WATER LINES & CAP BELOW GRADE	
204	DEMO LOUVER & INFILL WALL PATCH & MATCH INTR/EXTR FINISH AS REQ'D	
205	DEMO (E) SOLID TOILET PARTITIONS	
206	DEMO (E) TOILET/URINAL	
207	DEMO (E) LAVATORY/SINK	
208	DEMO COAT RACK	
209	DEMO (E) UNIT VENTILATOR	
210	DEMO (E) DF	
211	DEMO (E) TOILET PAPER DISPENSER	
212	(E) DF TO REMAIN	
213	(E) DOOR TO REMAIN	
214	(E) THRESHOLD TO REMAIN	
215	(E) WINDOW TO REMAIN	
216	(E) HAND DRYER TO REMAIN	
217	(E) LAVATORY / SINK TO REMAIN	
218	(E) TOILET / URINAL TO REMAIN	
219	(E) GRAB BAR TO REMAIN	
220	(E) SOAP DISPENSER TO REMAIN	
221	(E) PAPER TOWEL DISPENSER TO REMAIN	
222	(E) SOLID TOILET PARTITIONS TO REMAIN	
223	(E) FLOOR DRAIN TO REMAIN	
224	(E) EXHAUST FAN SPEED CONTROL TO REMAIN	
225	RELOCATED INTERMEDIATE DISTRIBUTION FRAME	
226	DOOR - SEE SCHEDULE	
227	THRESHOLD	
228	REDUCER STRIP	
229	WINDOW - SEE SCHEDULE	
230	WALL IN-FILL, PATCH & MATCH WALL FINISHES AS REQ'D	
231	PLAM BASE CABS AND/OR UPPER CABS	
232	SOLID PLASTIC PARTITIONS	
233	GRAB BAR - 48" AT SIDE AND 36" AT BACK	
234	HAND DRYER PER SPEC	
235	RECESSED TOILET PAPER DISPENSER	
236	TOILET AND REQUIREMENTS - SEE PLUMBING PLANS	
237	URINAL AND REQUIREMENTS - SEE PLUMBING PLANS	
238	LAVATORY/SINK AND REQUIREMENTS - SEE PLUMBING PLANS	
239	DRINKING FOUNTAIN REQUIREMENTS - SEE PLUMBING PLANS	
240	1½"ø STD PIPE RAIL PER SPEC	

ADA REQ'D MIN CLEARANCES

[1]	30" X 48"
[2]	48" X 48"
[3]	48" X 54"
[4]	48" X 60"
[5]	54" X 60"
[6]	60" X 60"
[7]	60" X 72"
[8]	60" DIA

LEGEND:

- (E) 2x WOOD STUD WALL
- (E) CMU WALL
- CONC SLAB IN-FILL
- PATCH & MATCH FLOORING TO MATCH (E) FLOORING



PLAN NORTH

FLOOR PLAN BUILDING 'E'

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

PTN : 63321-382 FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN T. CORBIN No. C-16788 REN 11/30/22 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

FLOOR PLAN BUILDING 'E'

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN : ED, FS
CHECKED : BCW
DATE : 9/29/22

2.4
OF count SHEETS

KEYNOTES

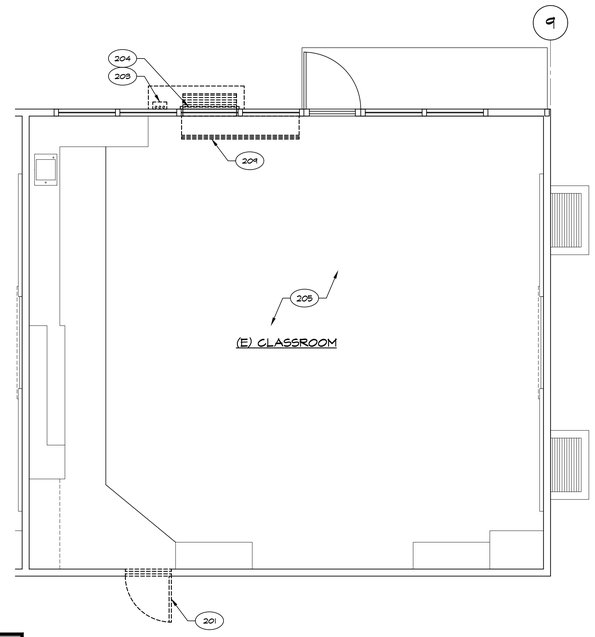
201	DEMO (E) DOOR, FRAME, HARDWARE & THRESHOLD WHERE OCCURS	221	(E) PAPER TOWEL DISPENSER TO REMAIN
202	DEMO (E) 2x STUD WALL, FINISH & CONC CURB WHERE OCCURS	222	(E) SOLID TOILET PARTITIONS TO REMAIN
203	DEMO (E) PIPE COVER, SUPPLY / RETURN WATER LINES & CAP BELOW GRADE	223	(E) FLOOR DRAIN TO REMAIN
204	DEMO LOUVER & INFILL WALL PATCH & MATCH INTR/EXTR FINISH AS REQ'D	224	(E) EXHAUST FAN SPEED CONTROL TO REMAIN
205	DEMO (E) CEILING	225	RELOCATED INTERMEDIATE DISTRIBUTION FRAME
206	DEMO (E) TOILET/URINAL	226	DOOR - SEE SCHEDULE
207	DEMO (E) LAVATORY/SINK	227	THRESHOLD
208	DEMO COAT RACK	228	REDUCER STRIP
209	DEMO (E) UNIT VENTILATOR	229	WINDOW - SEE SCHEDULE
210	DEMO (E) DF	230	WALL IN-FILL, PATCH & MATCH WALL FINISHES AS REQ'D
211	DEMO (E) TOILET PAPER DISPENSER	231	PLAM BASE CABS AND/OR UPPER CABS
212	(E) DF TO REMAIN	232	SOLID PLASTIC PARTITIONS
213	(E) DOOR TO REMAIN	233	GRAB BAR - 48" AT SIDE AND 36" AT BACK
214	(E) THRESHOLD TO REMAIN	234	HAND DRYER PER SPEC
215	(E) WINDOW TO REMAIN	235	RECESSED TOILET PAPER DISPENSER
216	(E) HAND DRYER TO REMAIN	236	TOILET AND REQUIREMENTS - SEE PLUMBING PLANS
217	(E) LAVATORY / SINK TO REMAIN	237	URINAL AND REQUIREMENTS - SEE PLUMBING PLANS
218	(E) TOILET / URINAL TO REMAIN	238	LAVATORY/SINK AND REQUIREMENTS - SEE PLUMBING PLANS
219	(E) GRAB BAR TO REMAIN	239	DRINKING FOUNTAIN REQUIREMENTS - SEE PLUMBING PLANS
220	(E) SOAP DISPENSER TO REMAIN	240	1½"Ø STD PIPE RAIL PER SPEC

ADA REQ'D MIN CLEARANCES

1	30" X 48"
2	48" X 48"
3	48" X 54"
4	48" X 60"
5	54" X 60"
6	60" X 60"
7	60" X 72"
8	60" DIA

LEGEND:

- (E) 2x WOOD STUD WALL
- CONC SLAB IN-FILL
- DEMO (E) CONC SLAB AS REQ'D
- PATCH & MATCH FLOORING TO MATCH (E) FLOORING

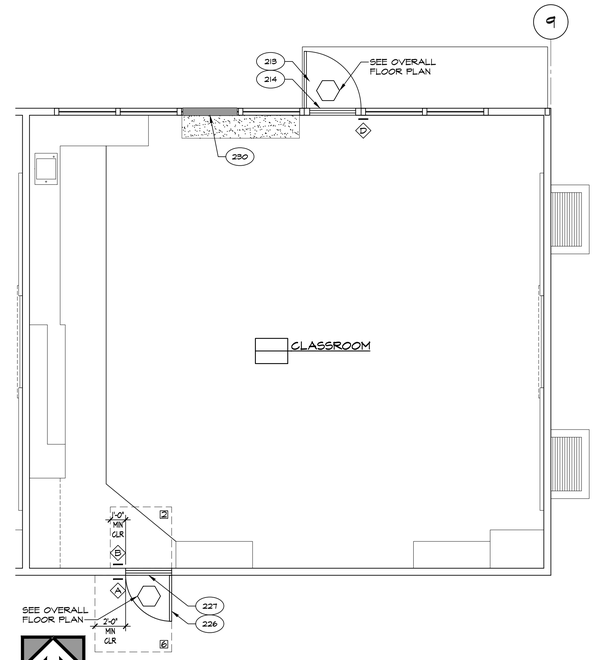


PLAN NORTH

C PARTIAL DEMO FLOOR PLAN

TYPICAL CLASSROOM

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

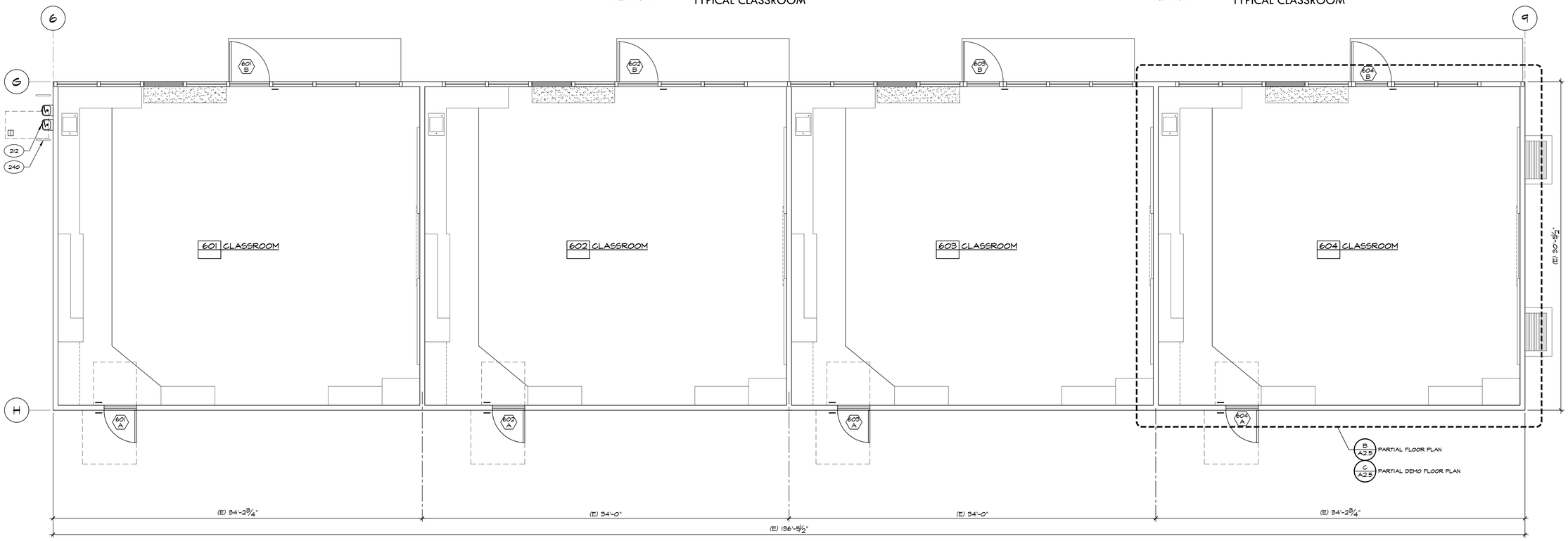


PLAN NORTH

B PARTIAL FLOOR PLAN

TYPICAL CLASSROOM

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



PLAN NORTH

A FLOOR PLAN BUILDING 'F'

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

PTN : 63321-382 FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/23 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

BAKERSFIELD CITY SCHOOL DISTRICT

FLOOR PLAN BUILDING 'F'

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN : ED, FS
CHECKED : BCW
DATE : 9/29/22

A

2.5
OF count SHEETS

KEYNOTES

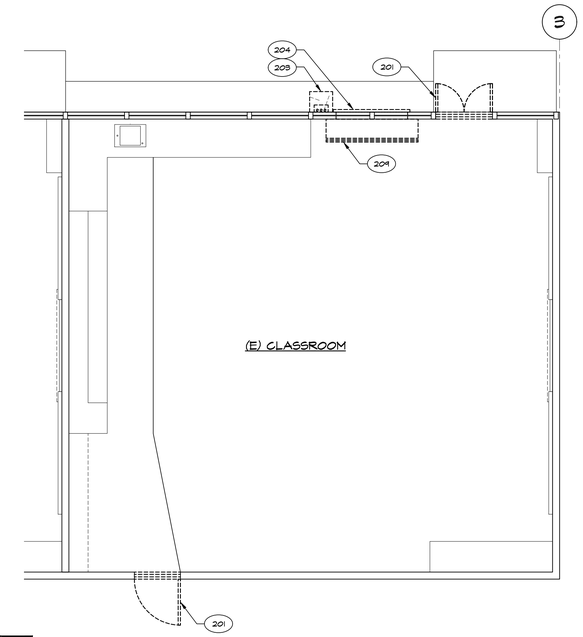
201	DEMO (E) DOOR, FRAME, HARDWARE & THRESHOLD WHERE OCCURS	
202	DEMO (E) 2x STUD WALL, FINISH & CONC CURB WHERE OCCURS	
203	DEMO (E) PIPE COVER, SUPPLY / RETURN WATER LINES & CAP BELOW GRADE	
204	DEMO LOUVER & INFILL WALL PATCH & MATCH INTR/EXTR FINISH AS REQ'D	
205	DEMO (E) CEILING	
206	DEMO (E) TOILET/URINAL	
207	DEMO (E) LAVATORY/SINK	
208	DEMO COAT RACK	
209	DEMO (E) UNIT VENTILATOR	
210	DEMO (E) DF	
211	DEMO (E) TOILET PAPER DISPENSER	
212	(E) DF TO REMAIN	
213	(E) DOOR TO REMAIN	
214	(E) THRESHOLD TO REMAIN	
215	(E) WINDOW TO REMAIN	
216	(E) HAND DRYER TO REMAIN	
217	(E) LAVATORY / SINK TO REMAIN	
218	(E) TOILET / URINAL TO REMAIN	
219	(E) GRAB BAR TO REMAIN	
220	(E) SOAP DISPENSER TO REMAIN	
221	(E) PAPER TOWEL DISPENSER TO REMAIN	
222	(E) SOLID TOILET PARTITIONS TO REMAIN	
223	(E) FLOOR DRAIN TO REMAIN	
224	(E) EXHAUST FAN SPEED CONTROL TO REMAIN	
225	RELOCATED INTERMEDIATE DISTRIBUTION FRAME	
226	DOOR - SEE SCHEDULE	
227	THRESHOLD	
228	REDUCER STRIP	
229	WINDOW - SEE SCHEDULE	
230	WALL IN-FILL, PATCH & MATCH WALL FINISHES AS REQ'D	
231	PLAM BASE CABS AND/OR UPPER CABS	
232	SOLID PLASTIC PARTITIONS	
233	GRAB BAR - 48" AT SIDE AND 36" AT BACK	
234	HAND DRYER PER SPEC	
235	RECESSED TOILET PAPER DISPENSER	
236	TOILET AND REQUIREMENTS - SEE PLUMBING PLANS	
237	URINAL AND REQUIREMENTS - SEE PLUMBING PLANS	
238	LAVATORY/SINK AND REQUIREMENTS - SEE PLUMBING PLANS	
239	DRINKING FOUNTAIN REQUIREMENTS - SEE PLUMBING PLANS	
240	1½"ø STD PIPE RAIL PER SPEC	

ADA REQ'D MIN CLEARANCES

1	30" X 48"
2	48" X 48"
3	48" X 54"
4	48" X 60"
5	54" X 60"
6	60" X 60"
7	60" X 72"
8	60" DIA

LEGEND:

- (E) 2x WOOD STUD WALL
- 2x6 WOOD STUDS @ 16" OC UNO - NON-BEARING WALL
- DEMO (E) CONC SLAB AS REQ'D
- CONC SLAB IN-FILL
- PATCH & MATCH FLOORING TO MATCH (E) FLOORING

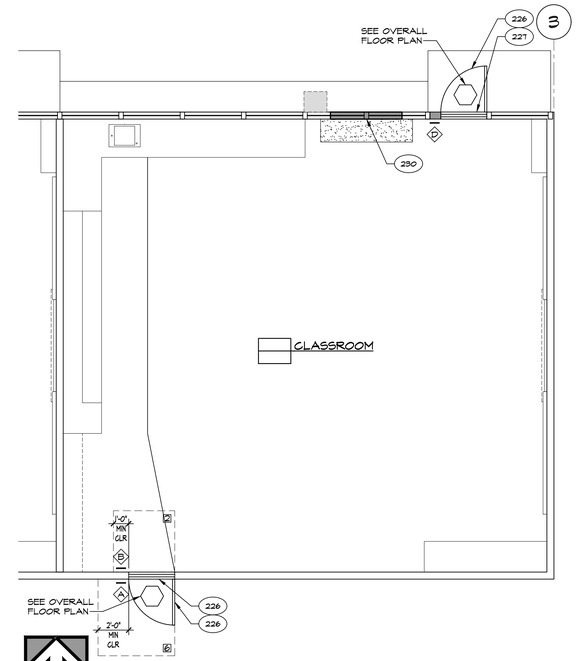


PLAN NORTH

(B) PARTIAL DEMO FLOOR PLAN

TYPICAL CLASSROOM

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

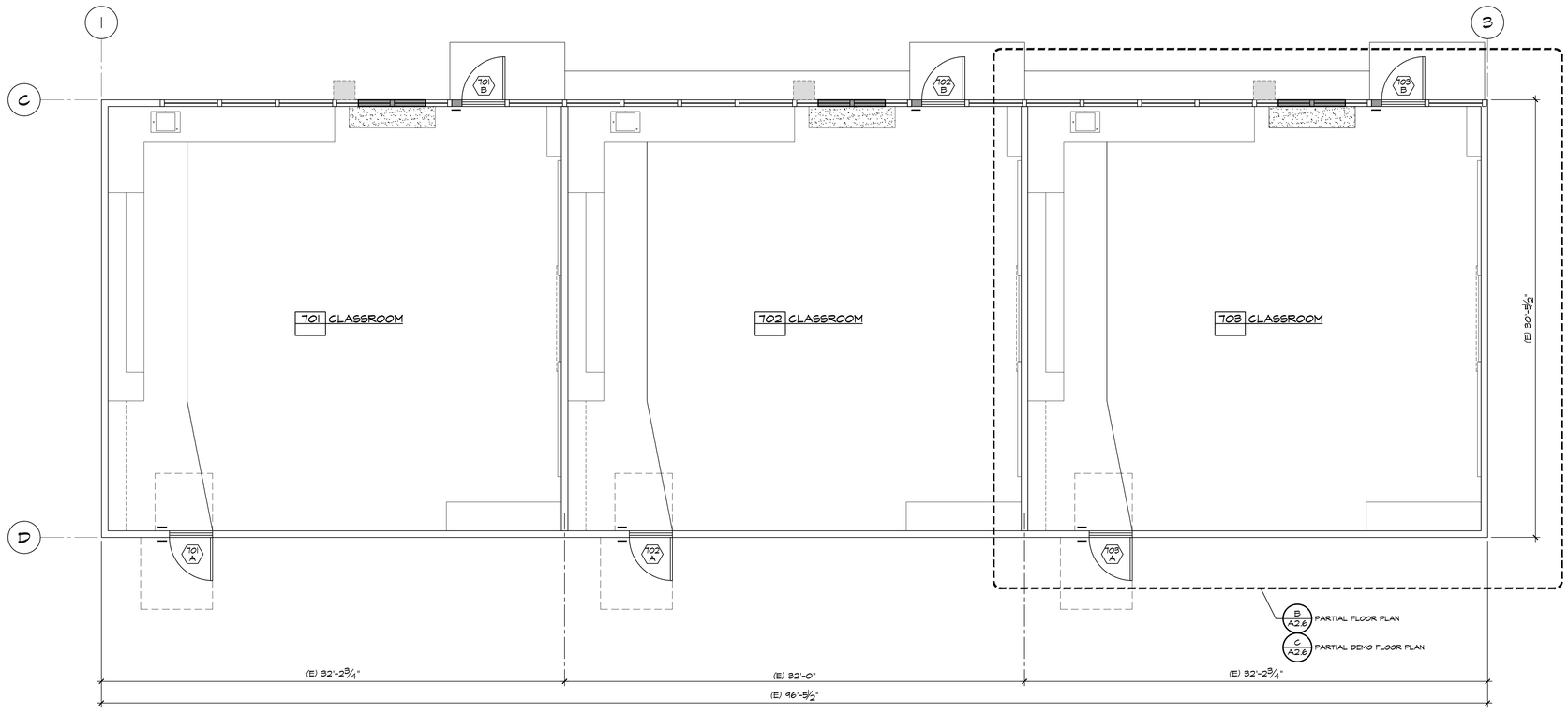


PLAN NORTH

(A) PARTIAL FLOOR PLAN

TYPICAL CLASSROOM

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



PLAN NORTH

FLOOR PLAN BUILDING 'G'

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

PTN : 63321-382 FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN T. CORBIN No. C-16788 REN: 11/30/22 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

FLOOR PLAN BUILDING 'G'

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN : ED, FS
CHECKED : BCW
DATE : 9/29/22

2.6
OF count SHEETS

KEYNOTES

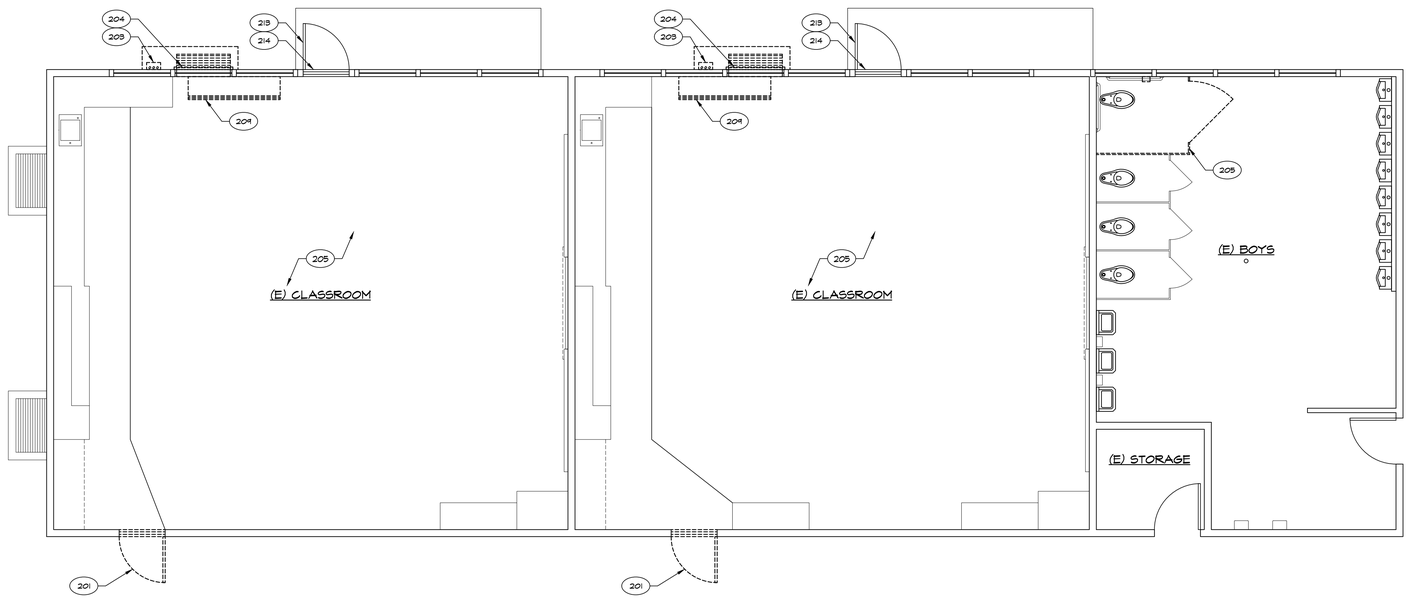
201	DEMO (E) DOOR, FRAME, HARDWARE & THRESHOLD WHERE OCCURS	
202	DEMO (E) 2x STUD WALL, FINISH & CONC CURB WHERE OCCURS	
203	DEMO (E) PIPE COVER, SUPPLY / RETURN WATER LINES & CAP BELOW GRADE	
204	DEMO LOUVER & INFILL WALL PATCH & MATCH INTR/EXTR FINISH AS REQ'D	
205	DEMO (E) SOLID TOILET PARTITIONS	
206	DEMO (E) TOILET/URINAL	
207	DEMO (E) LAVATORY/SINK	
208	DEMO COAT RACK	
209	DEMO (E) UNIT VENTILATOR	
210	DEMO (E) DF	
211	DEMO (E) TOILET PAPER DISPENSER	
212	(E) DF TO REMAIN	
213	(E) DOOR TO REMAIN	
214	(E) THRESHOLD TO REMAIN	
215	(E) WINDOW TO REMAIN	
216	(E) HAND DRYER TO REMAIN	
217	(E) LAVATORY / SINK TO REMAIN	
218	(E) TOILET / URINAL TO REMAIN	
219	(E) GRAB BAR TO REMAIN	
220	(E) SOAP DISPENSER TO REMAIN	
221	(E) PAPER TOWEL DISPENSER TO REMAIN	
222	(E) SOLID TOILET PARTITIONS TO REMAIN	
223	(E) FLOOR DRAIN TO REMAIN	
224	(E) EXHAUST FAN SPEED CONTROL TO REMAIN	
225	RELOCATED INTERMEDIATE DISTRIBUTION FRAME	
226	DOOR - SEE SCHEDULE	
227	THRESHOLD	
228	REDUCER STRIP	
229	WINDOW - SEE SCHEDULE	
230	WALL IN-FILL, PATCH & MATCH WALL FINISHES AS REQ'D	
231	PLAM BASE CABS AND/OR UPPER CABS	
232	SOLID PLASTIC PARTITIONS	
233	GRAB BAR - 48" AT SIDE AND 36" AT BACK	
234	HAND DRYER PER SPEC	
235	RECESSED TOILET PAPER DISPENSER	
236	TOILET AND REQUIREMENTS - SEE PLUMBING PLANS	
237	URINAL AND REQUIREMENTS - SEE PLUMBING PLANS	
238	LAVATORY/SINK AND REQUIREMENTS - SEE PLUMBING PLANS	
239	DRINKING FOUNTAIN REQUIREMENTS - SEE PLUMBING PLANS	
240	1½"ø STD PIPE RAIL PER SPEC	

ADA REQ'D MIN CLEARANCES

1	30" X 48"
2	48" X 48"
3	48" X 54"
4	48" X 60"
5	54" X 60"
6	60" X 60"
7	60" X 72"
8	60" DIA

LEGEND:

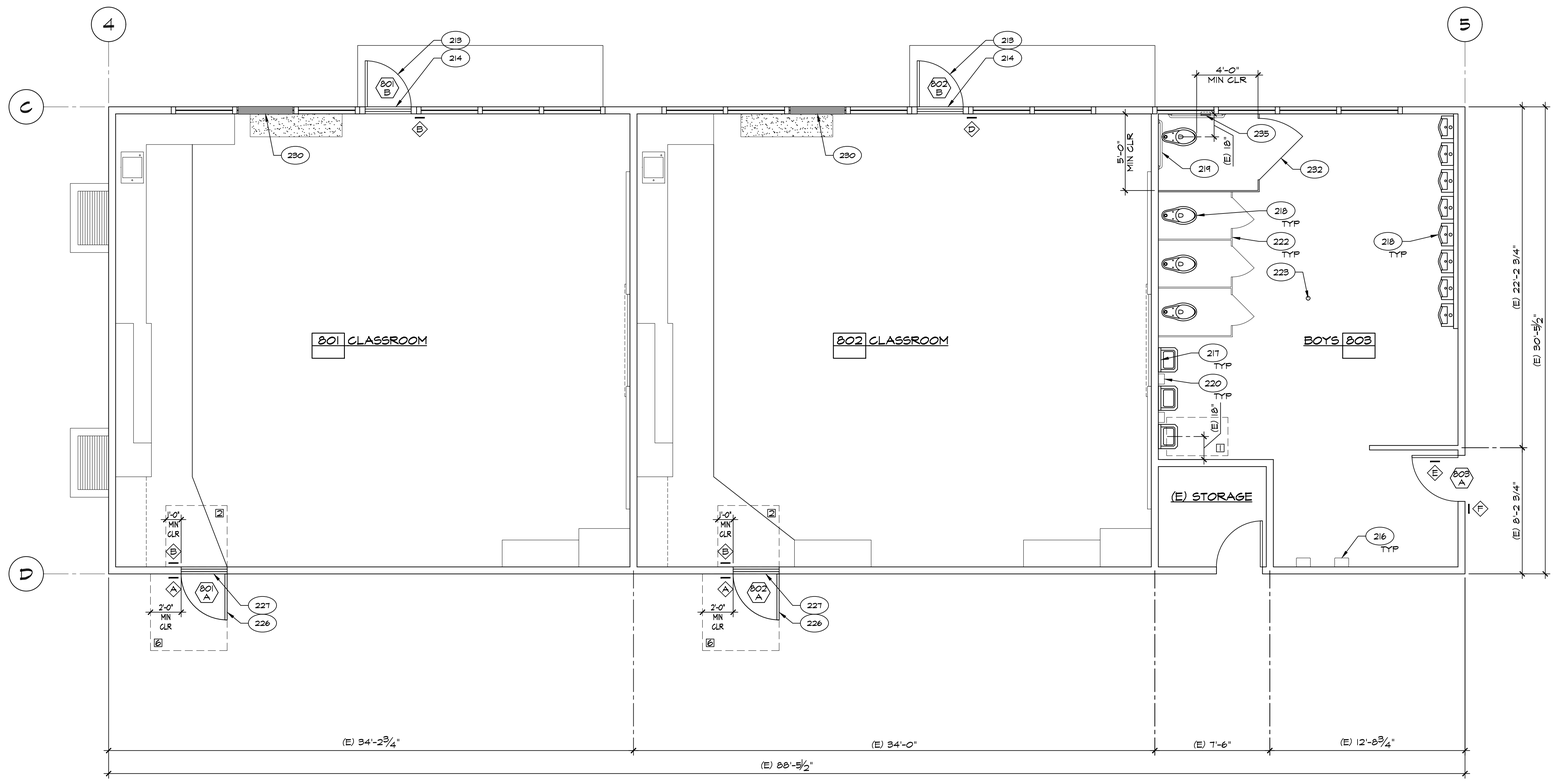
- (E) 2x WOOD STUD WALL
- 2x6 WOOD STUDS @ 16" OC UNO - NON-BEARING WALL
- DEMO (E) CONC SLAB AS REQ'D
- CONC SLAB IN-FILL
- PATCH & MATCH FLOORING TO MATCH (E) FLOORING



PLAN NORTH

Ⓑ DEMO FLOOR PLAN BUILDING 'H'

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



PLAN NORTH

Ⓐ FLOOR PLAN BUILDING 'H'

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

PTN : 63321-382 FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/23 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

BAKERSFIELD CITY SCHOOL DISTRICT — Where The Child Comes First

FLOOR PLAN BUILDING 'H'

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN : ED, FS
CHECKED : BCW
DATE : 9/29/22

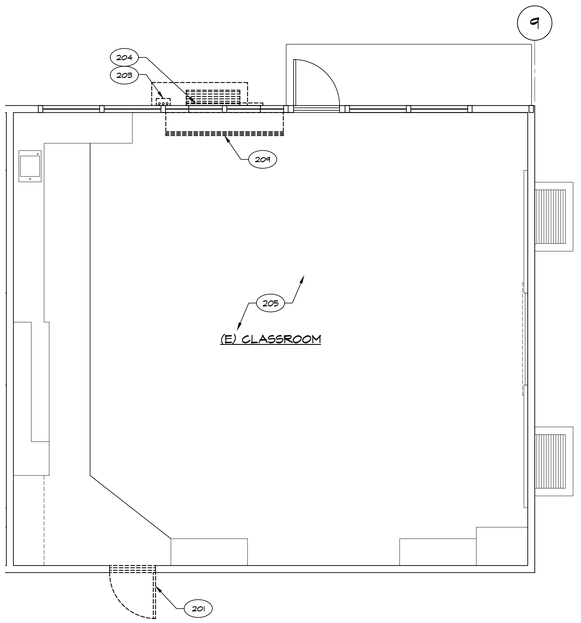
2.7
OF count SHEETS

KEYNOTES

201	DEMO (E) DOOR, FRAME, HARDWARE & THRESHOLD WHERE OCCURS	221	(E) PAPER TOWEL DISPENSER TO REMAIN
202	DEMO (E) 2x STUD WALL, FINISH & CONC CURB WHERE OCCURS	222	(E) SOLID TOILET PARTITIONS TO REMAIN
203	DEMO (E) PIPE COVER, SUPPLY / RETURN WATER LINES & CAP BELOW GRADE	223	(E) FLOOR DRAIN TO REMAIN
204	DEMO LOUVER & INFILL WALL PATCH & MATCH INTR/EXTR FINISH AS REQ'D	224	(E) EXHAUST FAN SPEED CONTROL TO REMAIN
205	DEMO (E) CEILING	225	RELOCATED INTERMEDIATE DISTRIBUTION FRAME
206	DEMO (E) TOILET/URINAL	226	DOOR - SEE SCHEDULE
207	DEMO (E) LAVATORY/SINK	227	THRESHOLD
208	DEMO COAT RACK	228	REDUCER STRIP
209	DEMO (E) UNIT VENTILATOR	229	WINDOW - SEE SCHEDULE
210	DEMO (E) DF	230	WALL IN-FILL, PATCH & MATCH WALL FINISHES AS REQ'D
211	DEMO (E) TOILET PAPER DISPENSER	231	PLAM BASE CABS AND/OR UPPER CABS
212	(E) DF TO REMAIN	232	SOLID PLASTIC PARTITIONS
213	(E) TILE / BASE TO REMAIN	233	GRAB BAR - 48" AT SIDE AND 36" AT BACK
214	(E) DOOR TO REMAIN	234	HAND DRYER PER SPEC
215	(E) WINDOW TO REMAIN	235	RECESSED TOILET PAPER DISPENSER
216	(E) HAND DRYER TO REMAIN	236	TOILET AND REQUIREMENTS - SEE PLUMBING PLANS
217	(E) LAVATORY / SINK TO REMAIN	237	URINAL AND REQUIREMENTS - SEE PLUMBING PLANS
218	(E) TOILET / URINAL TO REMAIN	238	LAVATORY/SINK AND REQUIREMENTS - SEE PLUMBING PLANS
219	(E) GRAB BAR TO REMAIN	239	DRINKING FOUNTAIN REQUIREMENTS - SEE PLUMBING PLANS
220	(E) SOAP DISPENSER TO REMAIN	240	1½"ø STD PIPE RAIL PER SPEC

ADA REQ'D MIN CLEARANCES

[1]	30" X 48"
[2]	48" X 48"
[3]	48" X 54"
[4]	48" X 60"
[5]	54" X 60"
[6]	60" X 60"
[7]	60" X 72"
[8]	60" DIA



PLAN NORTH

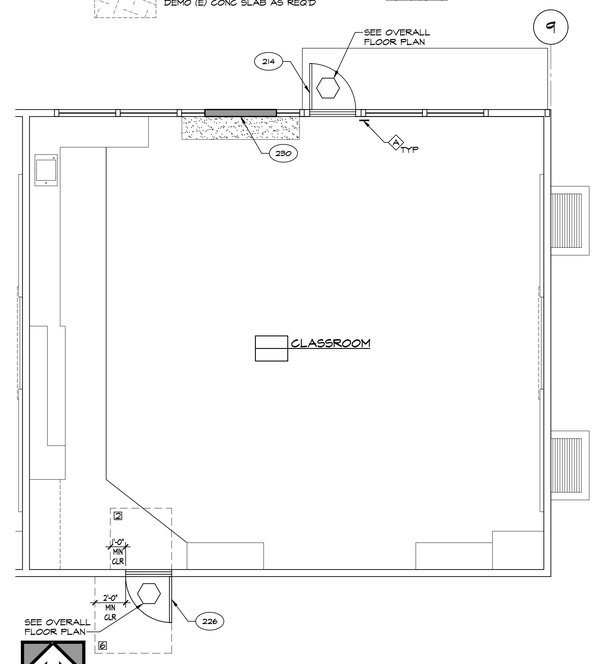
(B) PARTIAL DEMO FLOOR PLAN

TYPICAL CLASSROOM

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

LEGEND:

- (E) 2x WOOD STUD WALL
- 2x6 WOOD STUDS @ 16" OC UNO - NON-BEARING WALL
- DEMO (E) CONC SLAB AS REQ'D
- CONC SLAB IN-FILL
- PATCH & MATCH FLOORING TO MATCH (E) FLOORING



PLAN NORTH

(A) PARTIAL FLOOR PLAN

TYPICAL CLASSROOM

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

PLAN NORTH

FLOOR PLAN BUILDING 'I'

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

PTN : 63321-382 FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 12/31/23 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

FLOOR PLAN BUILDING 'I'

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN: ED, FS
CHECKED: BCW
DATE: 9/22/22

2.8
OF count 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 E580.

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
EVALUATION REPORT TYPE AND NUMBER:	ICC # ESR-1308
MAIN RUNNER PART, MODEL, OR CATALOG NUMBER:	#7301
CROSS RUNNER PART, MODEL, CATALOG NUMBER:	#XL 7341
	2 FOOT CROSS-T #XL 7341

1.04 SEISMIC WALL CLIP:

MANUFACTURER'S MODEL:	SEISMIC JOINT CLIP FOR RUNNER SPLICE SJMR15 & USE EXPANSION SLEEVE ES44

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 ¼" 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 ½" 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 1 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 A653, OR OTHER EQUIVALENT SHEET STEEL LISTED IN SECTION A3.1 OF THE NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, (AISI S100). MATERIAL 43 MIL (18 GAUGE) AND LIGHTER SHALL HAVE MINIMUM YIELD STRENGTH OF 33 KSI. MATERIAL 54 MIL (16 GAUGE) AND HEAVIER SHALL HAVE A MINIMUM YIELD STRENGTH OF 50KSI.

2.03 ELECTRICAL METALLIC TUBE (EMT) SHALL BE ANSI C80.3/UL 797 CARBON STEEL WITH G90 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, SCREW 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 C1513 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. TESTING

5.01 ALL FIELD TESTING 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 E580 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.

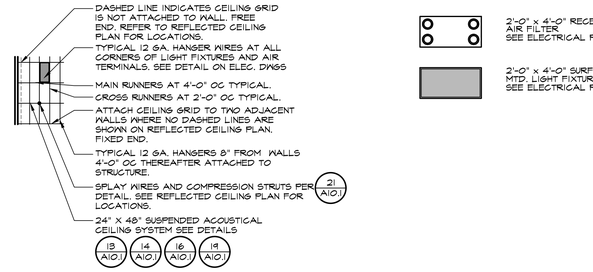
8. OTHER DEVICES WITHIN THE CEILING

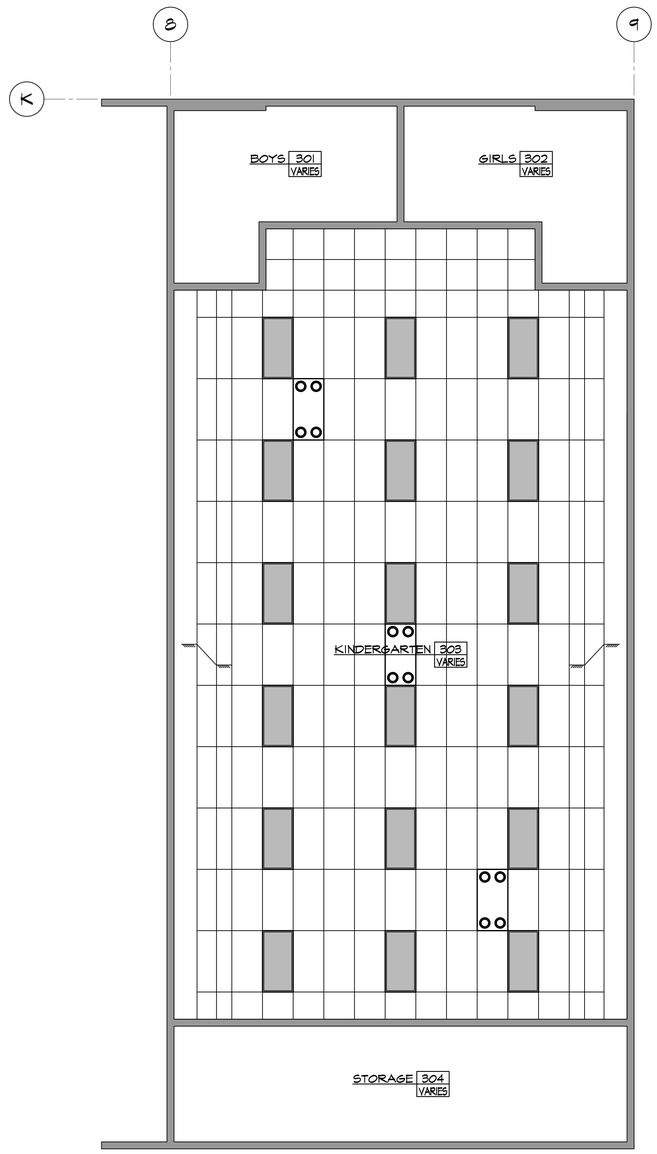
8.01 ALL LIGHTWEIGHT MISCELLANEOUS DEVICES, SUCH AS STROBE LIGHTS, OCCUPANCY SENSORS, SPEAKERS, EXIT SIGNS, ETC., SHALL BE ATTACHED TO THE CEILING GRID. IN ADDITION, DEVICES WEIGHING MORE THAN 10 POUNDS SHALL HAVE A #12 GAUGE SLACK SAFETY WIRE ANCHORED TO THE STRUCTURE ABOVE. DEVICES WEIGHING MORE THAN 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. HORIZONTAL LATH & PLASTER AT ALL EXTERIOR SOFFITS SEE DETAIL 5/A10.0

REFLECTED CEILING LEGEND





PLAN NORTH

REFLECTED CEILING PLAN BUILDING 'C'

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

PTN : 63321-382 FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/23 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

BAKERSFIELD CITY SCHOOL DISTRICT Where The Child Comes First

REFLECTED CEILING PLAN BUILDING 'C'

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN : ED, FS
CHECKED : BCW
DATE : 6/22/22

4.0
OF count SHEETS

SUSPENDED CEILING NOTES (ACOUSTICAL)

1. GENERAL REQUIREMENTS: CBC SECTION 1616A1.20 (1616.10.16*) REQUIRES THE DESIGN AND INSTALLATION TO BE IN COMPLIANCE WITH ASTM C635, C636, AND ESR0, SECTION 5, AS AMENDED BY 2013 CBC SECTION 1616A1.20 (1616.10.16*).
NOTE: AMENDMENTS IN CBC SECTION 1616A1.20 (1616.10.16*) REPLACE ASCE 7, SECTION 13.5.6.
THE REQUIREMENTS IN THIS IR APPLY TO FLAT AND LEVEL CEILING SYSTEMS WHOSE TOTAL WEIGHT, INCLUDING CEILING MOUNTED AIR TERMINALS, SERVICES AND LIGHT FIXTURES, DOES NOT EXCEED FOUR (4) PSF. HEAVIER SYSTEMS, SYSTEMS THAT ARE NOT FLAT AND LEVEL, AND THOSE SUPPORTING LATERAL LOADS FROM PARTITIONS ARE BEYOND THE SCOPE OF THIS IR AND WILL REQUIRE SPECIAL DESIGN AND DETAILS.

2. SUSPENSION SYSTEM COMPONENTS. SHALL COMPLY WITH ASTM C635 AND SECTION 5.1 OF ASTM ES80.
2.1 THE CEILING GRID SYSTEM MUST BE RATED HEAVY DUTY AS DEFINED BY ASTM C635.
2.2 CEILING WIRE SHALL BE CLASS 1 ZINC COATED (GALVANIZED) CARBON STEEL CONFORMING TO ASTM A641. WIRE SHALL BE #12 GAGE (0.1064 DIAMETER) WITH SOFT TEMPER AND MINIMUM TENSILE STRENGTH = 70 KSI.
2.3 MAIN RUNNERS, CROSS RUNNERS, SPLICES, EXPANSION DEVICES, AND INTERSECTION CONNECTORS SHALL BE DESIGNED TO CARRY A MEAN ULTIMATE TEST LOAD OF NOT LESS THAN 180 LBS. IN COMPRESSION AND TENSION PER ASTM ES80 SECTION 5.1.2.

3. SUSPENSION SYSTEM INSTALLATION. SHALL COMPLY WITH ASTM C636 AND SECTION 5.2 OF ASTM ES80.
3.1 #12 GAGE HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING A 4 FOOT BY 4 FOOT GRID SPACING AND SHALL BE ATTACHED TO MAIN RUNNERS.
3.2 PROVIDE #12 GAGE HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN EIGHT (8) INCHES OF THE SUPPORT OR WITHIN ONE-FOURTH (1/4) OF THE LENGTH OF THE END TEE, WHICHEVER IS LEAST, FOR THE PERIMETER OF THE CEILING AREA (SEE DETAILS 13/A10.1 & 14/A10.1). PERIMETER WIRES ARE NOT REQUIRED WHEN THE LENGTH OF THE END TEE IS EIGHT (8) INCHES OR LESS.
3.3 CEILING GRID MEMBERS SHALL BE ATTACHED TO TWO (2) ADJACENT WALLS PER ASTM ES80, SECTION 5.2.3. CEILING GRID MEMBERS SHALL BE AT LEAST 3/4 INCH CLEAR OF OTHER WALLS. IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD BE FREE, AND A MINIMUM OF 3/4 INCH CLEAR OF WALL.
3.4 THE WIDTH OF THE PERIMETER SUPPORTING CLOSURE ANGLE SHALL BE NOT LESS THAN TWO INCHES. GRID SYSTEMS WITH SPECIALTY OR PROPRIETARY ANGLES AND SUPPORT CLIPS MAY BE ACCEPTABLE IN ACCORDANCE WITH SECTION 11 BELOW.
3.5 AT THE PERIMETER OF THE CEILING AREA, WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL SPREADER STRUT OR A #16 GAGE WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNER MAY BE USED AND PLACED WITHIN EIGHT (8) INCHES OF THE WALL. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNER IS EIGHT (8) INCHES OR LESS, THIS INTERLOCK IS NOT REQUIRED.

4. EXPANSION JOINTS, SEISMIC SEPARATION JOINTS, AND PENETRATIONS:
4.1 EXPANSION JOINTS SHALL BE PROVIDED IN THE CEILING AT INTERSECTIONS OF CORRIDORS AND AT JUNCTIONS OF CORRIDORS AND LOBBIES OR OTHER SIMILAR AREAS.
4.2 FOR CEILING AREAS EXCEEDING 2500 SQUARE FEET, A SEISMIC SEPARATION JOINT SHALL BE PROVIDED IN ACCORDANCE WITH FIGURE 7, DETAIL A, TO DIVIDE THE CEILING INTO AREAS NOT EXCEEDING 2500 SQUARE FEET. ALTERNATIVELY, COMPLY WITH ASTM ES80, SECTION 5.2.9.
4.3 PENETRATIONS THROUGH THE CEILING FOR SPRINKLER HEADS AND OTHER SIMILAR DEVICES THAT ARE NOT INTEGRALLY TIED TO THE CEILING SYSTEM IN THE LATERAL DIRECTION SHALL HAVE A TWO (2) INCH OVERSIZED RING, SLEEVE OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FREE MOVEMENT OF ONE (1) INCH IN ALL HORIZONTAL DIRECTIONS. ALTERNATIVELY, PER ASTM ES80, SECTION 5.2.8.5, A FLEXIBLE SPRINKLER HOSE FITTING THAT CAN ACCOMMODATE ONE (1) INCH OF CEILING MOVEMENT SHALL BE PERMITTED TO BE USED IN LIEU OF THE OVERSIZED RING, SLEEVE, OR ADAPTER.

5. LATERAL FORCE BRACING: LATERAL FORCE BRACING IS REQUIRED PER THIS SECTION FOR ALL CEILING AREAS. THE SPACING OF THE BRACING ASSEMBLIES MUST BE SHOWN ON THE CONSTRUCTION DOCUMENTS. EXCEPTION: LATERAL FORCE BRACING MAY BE OMITTED FOR SUSPENDED ACOUSTICAL CEILING SYSTEMS WITH A CEILING AREA OF 144 SQUARE FEET OR LESS, WHEN PERIMETER SUPPORT, IN ACCORDANCE WITH SECTION 9.3 OF THIS IR OR WITH ASTM ES80 SECTIONS 5.2.2 AND 5.2.3, ARE PROVIDED AND PERIMETER WALLS ARE DESIGNED TO CARRY THE CEILING LATERAL FORCES.
5.1 PROVIDE LATERAL FORCE BRACING ASSEMBLIES CONSISTING OF A COMPRESSION STRUT AND FOUR (4) #12 GAGE SPLAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER (SEE DETAIL 21/A10.1).
5.2 LATERAL FORCE BRACING ASSEMBLIES SHALL BE SPACED PER TABLE 1 FOR ALL VALUES OF THE COMPONENT IMPORTANCE FACTOR (IP) OF THE CEILING.

TABLE 1

LATERAL FORCE BRACE ASSEMBLY SPACING	
DESIGN SPECTRAL ACCELERATION PARAMETER S_{DS}	BRACE ASSEMBLY SPACING
LESS THAN OR EQUAL TO 1.15	12'X12' FULL BUILDING HEIGHT
GREATER THAN 1.15 AND LESS THAN OR EQUAL TO 1.73	8'X12' FOR Z/H GREATER THAN 0.5 12'X12' FOR Z/H LESS THAN OR EQUAL TO 0.5
GREATER THAN 1.73	8'X8' FOR Z/H GREATER THAN 0.5 8'X12' FOR Z/H LESS THAN OR EQUAL TO 0.5

S_{DS} FOR THIS SCHOOL SITE =
WHERE, AS DEFINED IN ASCE 7-10, SECTION 13.3.1;
Z = HEIGHT IN STRUCTURE OF POINT OF ATTACHMENT OF CEILING WITH RESPECT TO THE BASE.
H = AVERAGE ROOF HEIGHT OF THE STRUCTURE WITH RESPECT TO THE BASE.
WHERE DIFFERENT BRACE SPACING IS SPECIFIED AT VARIOUS STORIES, THE RESPECTIVE CEILING PLAN SHALL CLEARLY INDICATE THE BRACE SPACING.
THERE SHALL BE A BRACE ASSEMBLY A DISTANCE OF NOT MORE THAN ONE HALF OF THE ABOVE SPACING FROM EACH SURROUNDING WALL, EXPANSION JOINT AND AT THE EDGES OF ANY CEILING VERTICAL OFFSET. FOR EXAMPLE, WHERE THE BRACE SPACING IS 8'X12', THE DISTANCE SHALL BE 4 FEET IN THE DIRECTION OF THE 8 FOOT SPACING AND 6 FEET IN THE DIRECTION OF THE 12 FOOT SPACING.
5.3 THE SLOPE OF BRACING WIRES SHALL NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND WIRES SHALL BE TAUT. SPLICES IN WIRES ARE NOT PERMITTED WITHOUT DSA APPROVAL.
5.4 COMPRESSION STRUTS SHALL BE ADEQUATE TO RESIST THE VERTICAL COMPONENT INDUCED BY THE BRACING WIRES, AND SHALL NOT BE MORE THAN ONE (HORIZONTAL) IN SIX (VERTICAL) OUT OF PLUMB.

6. ATTACHMENT OF HANGER AND BRACING WIRES:
6.1 FASTEN HANGER WIRES WITH NOT LESS THAN THREE (3) TIGHT TURNS IN THREE (3) INCHES. HANGER WIRE LOOPS SHALL BE TIGHTLY WRAPPED AND SHARPLY BENT TO PREVENT ANY VERTICAL MOVEMENT OR ROTATION OF THE MEMBER WITHIN THE LOOPS (SEE ASTM ES80, SECTION 5.2.7.2).
6.2 FASTEN BRACING WIRES WITH FOUR (4) TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF ONE AND ONE-HALF (1-1/2) INCHES.
6.3 HANGER OR BRACING WIRE ANCHORED TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHOR ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE WIRE.
6.4 SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST SIX (6) INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC.
6.5 HANGER WIRES SHALL NOT ATTACH TO OR BEND AROUND INTERFERING MATERIAL OR EQUIPMENT. PROVIDE TRAPEZE OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO TYPICAL HANGER SPACING (SEE DETAIL 19/A10.1). PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS, OR DISCONTINUOUS AREAS.
6.6 HANGER WIRES THAT ARE MORE THAN ONE (HORIZONTAL) IN SIX (VERTICAL) OUT OF PLUMB SHALL HAVE COUNTER-SLOPING WIRES. PERIMETER HANGER WIRES AT MAIN RUNNERS THAT ARE POSITIVELY ATTACHED TO THE PERIMETER CLOSURE ANGLE, COUNTER-SLOPING IS OPTIONAL.
NOTE: SEE ASTM C636, FIGURE 1, FOR COUNTER-SLOPING METHODS.
6.7 WHEN CONNECTION DETAILS DIFFER FROM THOSE IN THE DETAILS, ATTACHMENT OF BRACING WIRES TO THE STRUCTURE ABOVE AND TO THE MAIN RUNNERS SHALL BE ADEQUATE FOR THE LOAD IMPOSED. THE WEIGHT (WP) SHALL BE TAKEN AS NOT LESS THAN FOUR (4) PSF FOR CALCULATING SEISMIC FORCES (FP).
6.8 WHEN DRILLED-IN CONCRETE ANCHORS OR POWER ACTUATED FASTENERS ARE USED IN REINFORCED CONCRETE FOR HANGER WIRES, 1 OUT OF 10 WIRE/ANCHOR ASSEMBLIES MUST BE FIELD TESTED FOR 200 LBS. IN TENSION. WHEN DRILLED-IN CONCRETE ANCHORS ARE USED FOR BRACING WIRES, 1 OUT OF 2 WIRE/ANCHOR ASSEMBLIES MUST BE FIELD TESTED FOR 440 LBS. IN TENSION IN THE DIRECTION OF THE WIRE. POWER ACTUATED FASTENERS IN CONCRETE ARE NOT PERMITTED FOR BRACING WIRES.
NOTE: DRILLED-IN ANCHORS OR POWER ACTUATED FASTENERS REQUIRE DSA APPROVAL PRIOR TO USE IN PRESTRESSED CONCRETE.

7. CEILING FIXTURES, TERMINALS, AND DEVICES: ALL FIXTURES, TERMINALS, AND OTHER DEVICES SHALL BE MOUNTED IN A MANNER THAT WILL NOT COMPROMISE CEILING PERFORMANCE IN ACCORDANCE WITH SECTION 13.5.6.2.2(5) OF ASCE 7-10 AS AMENDED BY 2013 CBC SECTION 1616A1.20 (1616.10.16*) AND ASTM ES80 SECTIONS 5.3 AND 5.4.
7.1 CEILING PANELS SHALL NOT SUPPORT ANY LIGHT FIXTURES, AIR TERMINALS OR DEVICES.
7.2 LIGHT FIXTURES:
7.2.1 ALL LIGHT FIXTURES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEMS BY MECHANICAL MEANS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURE. SCREWS OR APPROVED FASTENERS ARE REQUIRED. A MINIMUM OF TWO ATTACHMENTS ARE REQUIRED AT EACH LIGHT FIXTURE PER ASTM ES80, SECTION 5.5.1.
7.2.2 LIGHT FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LB. SHALL HAVE A MINIMUM OF ONE (1) #12 GAGE SLACK SAFETY WIRE CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE.
7.2.3 LIGHT FIXTURES WEIGHING GREATER THAN 10 LB. BUT LESS THAN OR EQUAL TO 56 LBS. MAY BE SUPPORTED DIRECTLY ON THE CEILING RUNNERS, BUT THEY SHALL HAVE A MINIMUM OF TWO (2) #12 GAGE SLACK SAFETY WIRES CONNECTED FROM THE FIXTURE HOUSING AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE.
7.2.4 LIGHT FIXTURES WEIGHING GREATER THAN 56 LB. SHALL BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR (4) TAUT #12 GAGE WIRES ATTACHED TO THE HOUSINS AND TO THE STRUCTURE ABOVE. THE FOUR (4) TAUT #12 GAGE WIRES, INCLUDING THEIR ATTACHMENT TO STRUCTURE ABOVE, MUST BE CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE UNIT.
7.2.5 ALL FOUR FOOT X FOUR FOOT LIGHT FIXTURES MUST HAVE SLACK SAFETY WIRES AT EACH CORNER UNLESS SUPPORTED PER SECTION 7.2.4.
7.2.6 SURFACE-MOUNTED FIXTURES SHALL BE ATTACHED TO THE MAIN RUNNER WITH AT LEAST TWO POSITIVE CLAMPING DEVICES MADE OF MATERIAL WITH A MINIMUM #14 GAGE. ROTATIONAL SPRING CATCHES DO NOT COMPLY. A #12 GAGE SUSPENSION WIRE SHALL BE ATTACHED TO EACH CLAMPING DEVICE TO THE STRUCTURE ABOVE. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE EIGHT (8) FEET OR LONGER. MAXIMUM SPACING BETWEEN SUPPORTS SHALL NOT EXCEED EIGHT (8) FEET.
7.2.7 SUPPORT PENDANT-MOUNTED LIGHT FIXTURES DIRECTLY FROM THE STRUCTURE ABOVE WITH HANGER WIRES OR CABLES PASSING THROUGH EACH PENDANT HANGER AND CAPABLE OF SUPPORTING TWO (2) TIMES THE WEIGHT OF THE FIXTURE. SEE IR 16-9 FOR ADDITIONAL REQUIREMENTS FOR PENDENT MOUNTED FIXTURES.
IF THE PENDANT MOUNTED LIGHT FIXTURE IS DIRECTLY AND INDEPENDENTLY BRACED BELOW THE CEILING, I.E. AIRCRAFT CABLES TO WALLS, THEN A BRACE ASSEMBLY IS NOT REQUIRED ABOVE THE CEILING.
IF THE PENDANT MOUNTED LIGHT FIXTURE IS NOT DIRECTLY AND INDEPENDENTLY BRACED BELOW THE CEILING, THEN A BRACING ASSEMBLY, (PER DETAIL 21/A10.1), IS REQUIRED WHERE THE PENDANT HANGER PENETRATES THE CEILING. SPECIAL DETAILS ARE REQUIRED TO ATTACH THE PENDANT HANGER TO THE BRACING ASSEMBLY TO TRANSMIT THE HORIZONTAL FORCE. EXCEPTION: WHERE THE WEIGHT OF THE FIXTURE IS LESS THAN 20 POUNDS, THE COMPRESSION POST SHOWN IN (DETAIL 21/A10.1) IS NOT REQUIRED.
7.2.8 RIGID CONDUIT SHALL NOT BE USED FOR ATTACHMENT OF THE FIXTURES.
7.3 SERVICES WITHIN THE CEILING:
7.3.1 ALL FLEXIBLE SPRINKLER HOSE FITTINGS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEMS BY MECHANICAL MEANS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE COMPONENT. SCREWS OR APPROVED FASTENERS ARE REQUIRED. A MINIMUM OF TWO ATTACHMENTS ARE REQUIRED AT EACH COMPONENT.
7.3.2 FLEXIBLE SPRINKLER HOSE FITTINGS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING LESS THAN OR EQUAL TO 20 LB. SHALL HAVE ONE (1) #12 GAGE SLACK SAFETY WIRE ATTACHED TO THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE.
7.3.3 FLEXIBLE SPRINKLER HOSE FITTINGS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING MORE THAN 20 LB. BUT LESS THAN OR EQUAL TO 56 LB. SHALL HAVE TWO (2) #12 GAGE SLACK SAFETY WIRES ATTACHED TO THE TERMINAL OR SERVICE TO THE STRUCTURE ABOVE.
7.3.4 FLEXIBLE SPRINKLER HOSE FITTINGS, CEILING-MOUNTED AIR TERMINALS OR OTHER SERVICES WEIGHING MORE THAN 56 LB. SHALL BE SUPPORTED DIRECTLY FROM THE STRUCTURE ABOVE BY NOT LESS THAN FOUR (4) TAUT #12 GAGE WIRES ATTACHED TO THE TERMINAL OR SERVICE AND TO THE STRUCTURE ABOVE. THE FOUR (4) TAUT #12 GAGE WIRES, INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE, MUST BE CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE UNIT.
7.4 OTHER DEVICES WITHIN THE CEILING:
7.4.1 ALL LIGHTWEIGHT MISCELLANEOUS DEVICES, SUCH AS STROBE LIGHTS, OCCUPANCY SENSORS, SPEAKERS, EXIT SIGNS, ETC., SHALL BE ATTACHED TO THE CEILING GRID PER SECTION 7.3.1 OF THIS IR. IN ADDITION, DEVICES WEIGHING MORE THAN 10 LBS. SHALL HAVE A #12 GAGE SLACK SAFETY WIRE ANCHORED TO THE STRUCTURE ABOVE PER SECTION 7.2.2 OF THIS IR. DEVICES WEIGHING MORE THAN 20 LBS. SHALL BE SUPPORTED FROM THE STRUCTURE ABOVE PER SECTION 7.3.4 OF THIS IR.

8. ADDITIONAL REQUIREMENTS:
8.1 FIRE RATED CEILINGS: PROVIDE A DETAIL AND DESIGN NUMBER FOR RATED CEILING ASSEMBLIES FROM AN AUTHORIZED TESTING AGENCY. THE COMPONENTS AND INSTALLATION DETAILS MUST CONFORM IN EVERY RESPECT WITH THE LISTED DETAIL AND NUMBER. DETAILS SHALL CLEARLY DEPICT ALL COMPONENTS, INCLUDING INSULATION MATERIALS, FRAMING AND ATTACHMENT OF THE DESIGN SO THAT THE ASSEMBLY CAN BE CONSTRUCTED AND INSPECTED ACCORDINGLY. POP RIVETS, SCREWS, OR OTHER ATTACHMENTS ARE NOT ACCEPTABLE UNLESS SPECIFICALLY DETAILED ON THE DRAWINGS AND APPROVED BY UL. AND STATE FIRE MARSHAL (SFM) RECOGNIZED LABORATORIES.
8.2 METAL AND OTHER PANELS: METAL PANELS AND PANELS WEIGHING MORE THAN ONE-HALF (1/2) PSF, OTHER THAN MINERAL FIBER ACOUSTICAL TILE, ARE TO BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION RUNNERS.
8.3 ESSENTIAL SERVICES BUILDINGS: EXITWAYS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 13.5.6.2.2(1) OF ASCE 7-10 AS AMENDED BY 2013 CBC SECTION 1616A1.20 (1616.10.16*). A MAIN OR CROSS RUNNER SHALL BE INSTALLED ON ALL SIDES OF EACH PIECE OF TILE, BOARD OR PANEL AND EACH LIGHT FIXTURE OR GRILL. SPLICES OR INTERSECTION OF SUCH RUNNERS SHALL BE ATTACHED WITH THROUGH CONNECTORS SUCH AS POP RIVETS, SCREWS, PINS, PLATES WITH END TABS OR OTHER APPROVED CONNECTORS.
8.4 SUSPENDED ACOUSTICAL CEILINGS BELOW GYPSUM BOARD CEILINGS: WHERE GYPSUM BOARD OR OTHER CEILING FINISHES ARE ATTACHED TO THE FRAMING, SPECIFIC DETAILS WILL BE REQUIRED FOR THE VERTICAL HANGER WIRE AND LATERAL BRACING WIRE SUPPORT CONNECTIONS TO THE FRAMING.

9. RE-USE OF EXISTING CEILING HANGER WIRES AND BRACING WIRES:
9.1 THE GAGE AND SPACING OF THE WIRES MUST COMPLY WITH THE CURRENT APPLICABLE CODES.
9.2 ALL EXISTING CEILING HANGER WIRE/ANCHOR ASSEMBLIES MUST BE TESTED TO 200 LBS.
9.3 ALL EXISTING BRACING WIRE/ANCHOR ASSEMBLIES MUST BE FIELD TESTED TO 440 LBS.
9.4 IF A NEW WIRE IS TO BE SPLICED TO AN EXISTING WIRE, THE FOLLOWING IS REQUIRED:
- ☐ THE ARCHITECT OR STRUCTURAL ENGINEER IN GENERAL RESPONSIBLE CHARGE MUST SUBMIT TO THE DSA FOR APPROVAL A DETAIL AND SPECIFICATION DESCRIBING HOW THE SPLICE IS TO BE MADE.
- ☐ ALL NEW WIRES, AFTER BEING SPLICED TO THE EXISTING WIRES, MUST BE FIELD TESTED PER SECTIONS 9.2 AND 9.3 ABOVE.
- ☐ ALL FIELD TESTS MUST BE PERFORMED IN THE PRESENCE OF THE PROJECT INSPECTOR.

10. MODERNIZATION AND ALTERATION: THE ENTIRE CEILING SHALL BE UPGRADED TO MEET THE CURRENT REQUIREMENTS OF THE CBC AND THIS IR IF ANY PORTION OF THE GRID SYSTEM IS CUT OR ALTERED.
EXCEPTION: THE REPLACEMENT OF EXISTING CEILING PANELS WITH PANELS OF THE SAME MATERIALS AND LIGHT FIXTURES OF THE SAME SIZE, LOCATIONS, AND WEIGHTS DOES NOT REQUIRE AN UPGRADE TO THE CEILING GRID AND SUSPENSION SYSTEM.

11. DSA ACCEPTANCE OF EVALUATION REPORTS: CEILING GRID SYSTEMS OR COMPONENTS, WITH VALID EVALUATION REPORTS ISSUED BY QUALIFIED EVALUATION AGENCIES, IN ACCORDANCE WITH DSA IR A-5, ARE ACCEPTED BY THE DSA, PROVIDED THE SYSTEM OR COMPONENT MEETS THE REQUIREMENTS OF CBC SECTION 1616A1.20 (1616.10.16*), ASTM C635, C636 AND ES80, WHERE A QUALIFIED EVALUATION REPORT IS UTILIZED, THE INSTALLATION SHALL COMPLY WITH ALL THE REQUIREMENTS SPECIFIED IN THE EVALUATION REPORT, I.E. CONNECTIONS, MEMBER SIZES, PERIMETER DETAILS, SPECIAL CLIPS TO WALL ANGLES, ETC.
IN ACCORDANCE WITH DSA IR A-5, DSA WILL ACCEPT OSHPD PREAPPROVED DETAILS (OPD) "2013 CBC STANDARD SUSPENDED CEILING DETAILS FOR ACOUSTICAL TILE OR LAY-IN PANEL CEILINGS."

12. CONSTRUCTION DOCUMENTS: DRAWINGS AND SPECIFICATIONS SHALL CLEARLY IDENTIFY ALL SYSTEMS AND SHALL DEFINE OR SHOW ALL SUPPORTING DETAILS, LIGHTING FIXTURE ATTACHMENT, LATERAL FORCE BRACING, PARTITION BRACING, SEISMIC SEPARATIONS, ETC.
WHERE ACCEPTED PROPRIETARY DEVICES, CLIPS, WALL ANGLES, ETC. ARE UTILIZED, THE DETAILS ON THE APPROVED CONSTRUCTION DOCUMENTS SHALL CLEARLY INDICATED THE INSTALLATION DETAILS AS NECESSARY TO SHOW COMPLIANCE WITH ALL EVALUATION REPORT REQUIREMENTS.
WHERE DIFFERENCES OCCUR BETWEEN PROVISIONS OF THIS IR AND THE CBC, THE PROVISIONS OF THE CBC SHALL APPLY.
A LIST OF ACCEPTABLE GRID SYSTEMS MUST BE SHOWN ON THE DRAWINGS. THE GRID SYSTEMS SPECIFIED SHALL HAVE VALID EVALUATION REPORTS IN ACCORDANCE WITH IR A-5. THE FOLLOWING INFORMATION SHALL BE INCLUDED ON THE DRAWINGS FOR EACH ACCEPTABLE GRID SYSTEM SPECIFIED:

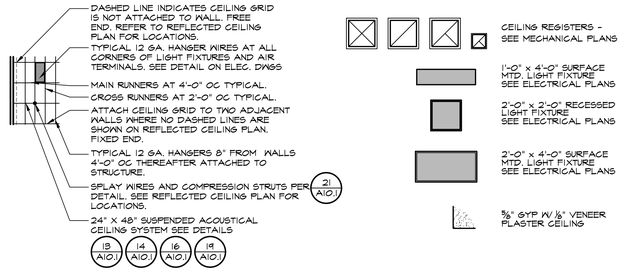
(ARMSTRONG SUSPENDED CEILING SYSTEM OR APPROVED EQUAL) ICC = ESR-1308
CLASSIFICATION OF CEILING GRID IS HEAVY DUTY.
MANUFACTURER'S CATALOG NUMBER - MAIN RUNNER PRELUDE XL 15/16" 7301
MANUFACTURER'S CATALOG NUMBER - CROSS RUNNER XL 7341
2 FOOT CROSS-T XL 7328
MANUFACTURER'S CATALOG NUMBER - SEISMIC JOINT CLIP FOR RUNNER SPLICE SJMRIS & USE EXPANSION SLEEVE ES44

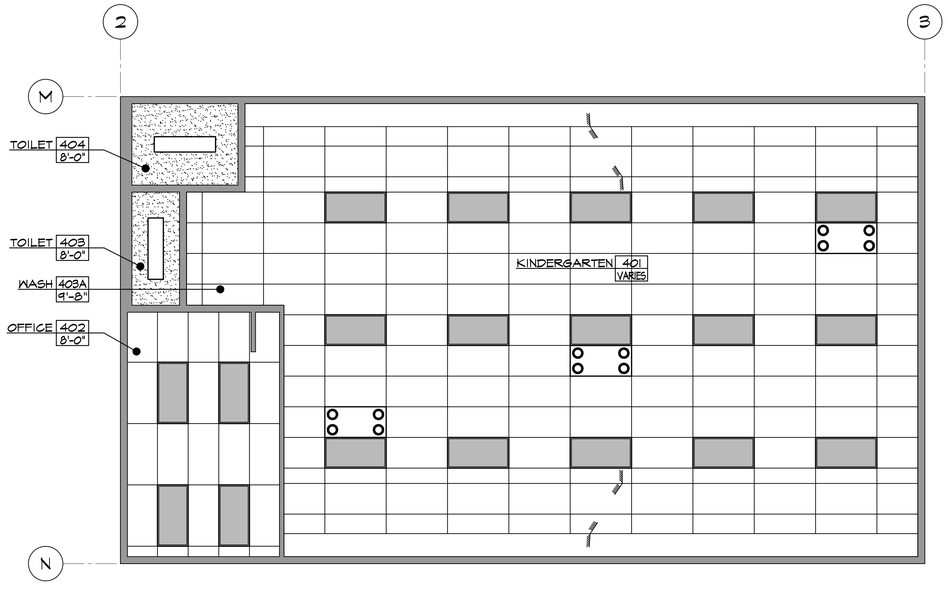
NOTES: (1) MAIN RUNNERS MUST BE RATED AS HEAVY DUTY.
(2) SHOW MANUFACTURER, DUTY CLASSIFICATION AND CATALOG NUMBERS.
(3) IF A CROSS RUNNER SUPPORTS LIGHT FIXTURES, AIR TERMINALS, OR OTHER CROSS RUNNERS, IT SHALL BE CONSIDERED A MAIN RUNNER FOR THE PURPOSE OF STRUCTURAL CLASSIFICATION.

REFLECTED CEILING PLAN NOTES:

1. SEE ROOM FINISH SCHEDULE FOR CEILING FINISHES.
2. SEE MECHANICAL AND ELECTRICAL FOR ADDITIONAL INFORMATION.
3. HORIZONTAL LATH & PLASTER AT ALL EXTERIOR SOFFITS SEE DETAIL 8/A10.0

REFLECTED CEILING LEGEND





PLAN NORTH

REFLECTED CEILING PLAN BUILDING 'D' _____ SCALE : 1/4" = 1'-0"

PTN : 63321-382 FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

SCA ARCHITECT inc.
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM
LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/23 STATE OF CALIFORNIA
STEPHEN J. CORBIN, NCARB, 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.

REFLECTED CEILING PLAN BUILDING 'D'

MARK	DATE	REVISIONS
1		
2		
3		

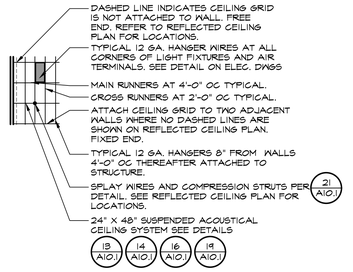
JOB NO. 1316
DRAWN : ED, FS
CHECKED : BCW
DATE : 5/20/22

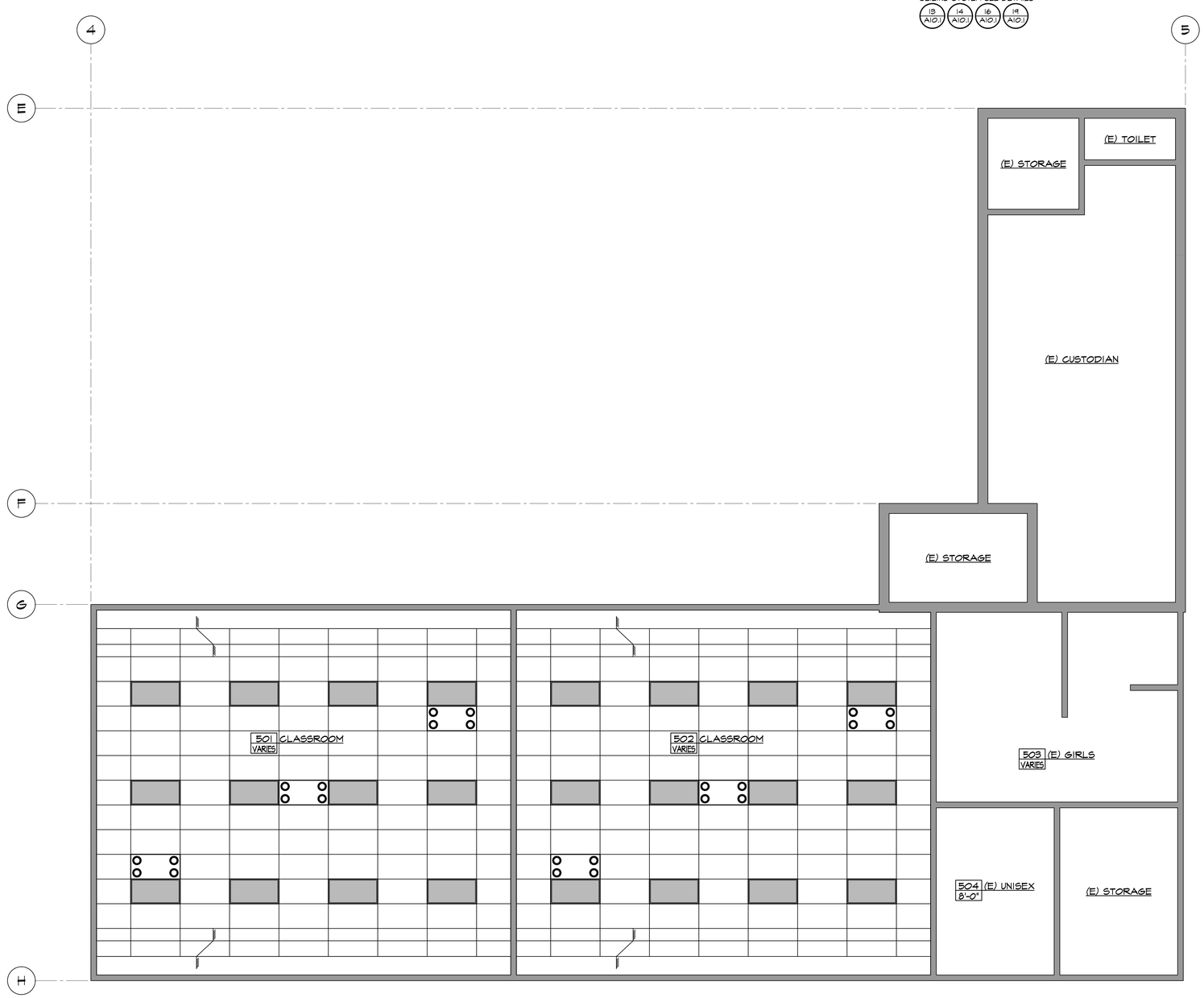
4.1
OF count SHEETS

REFLECTED CEILING PLAN NOTES:

1. SEE ROOM FINISH SCHEDULE FOR CEILING FINISHES.
2. SEE MECHANICAL AND ELECTRICAL FOR ADDITIONAL INFORMATION.
3. HORIZONTAL LATH & PLASTER AT ALL EXTERIOR SOFFITS SEE DETAIL 5/A10.0

REFLECTED CEILING LEGEND





PLAN NORTH

REFLECTED CEILING PLAN BUILDING 'E'

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

PTN : 63321-382 FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

ARCHITECT SCA inc.
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM
LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/23 STATE OF CALIFORNIA
STEPHEN J. CORBIN, NCARB, 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.

REFLECTED CEILING PLAN BUILDING 'E'

MARK	DATE	REVISIONS
1		
2		
3		

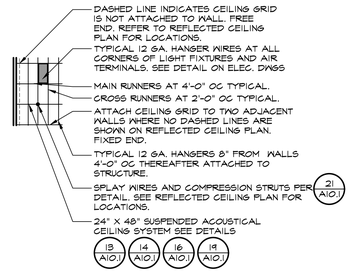
JOB NO. 1316
DRAWN : ED, FS
CHECKED : BCW
DATE : 6/22/22

4.2
OF count SHEETS

REFLECTED CEILING PLAN NOTES:

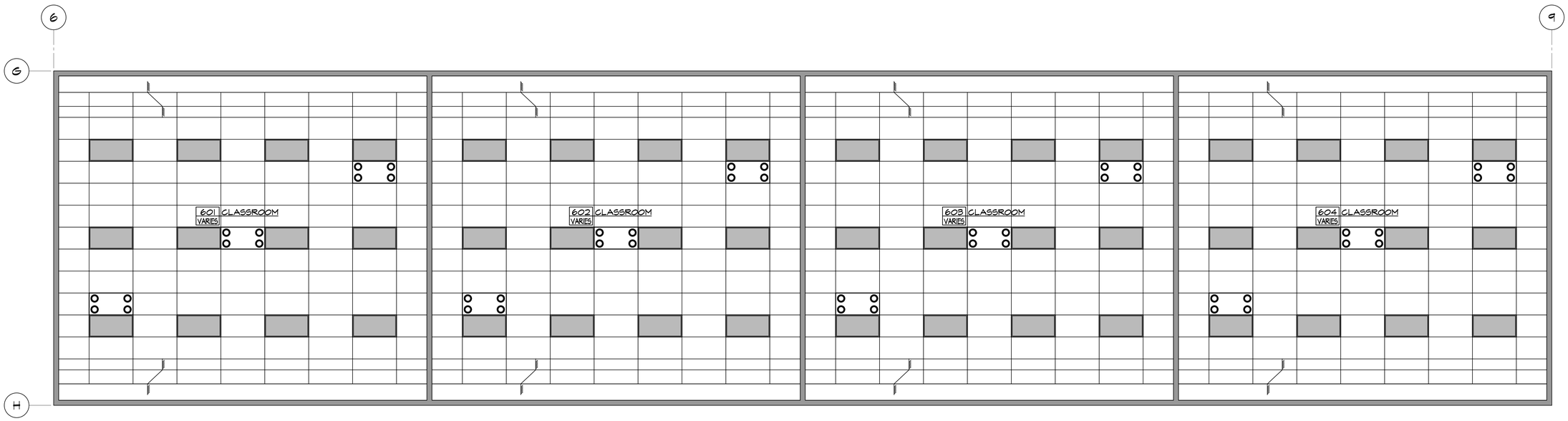
1. SEE ROOM FINISH SCHEDULE FOR CEILING FINISHES.
2. SEE MECHANICAL AND ELECTRICAL FOR ADDITIONAL INFORMATION.
3. HORIZONTAL LATH & PLASTER AT ALL EXTERIOR SOFFITS SEE DETAIL 5/A10.0

REFLECTED CEILING LEGEND



2'-0" x 4'-0" RECESSED AIR FILTER SEE ELECTRICAL PLANS

2'-0" x 4'-0" SURFACE MTD. LIGHT FIXTURE SEE ELECTRICAL PLANS



PLAN NORTH

REFLECTED CEILING PLAN BUILDING 'F'

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

PTN : 63321-382 FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/23 STATE OF CALIFORNIA

602 CLASSROOM

STEPHEN J. CORBIN, NCARB, ~~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.

BAKERSFIELD CITY SCHOOL DISTRICT

REFLECTED CEILING PLAN BUILDING 'F'

MARK	DATE	REVISIONS
1		
2		
3		

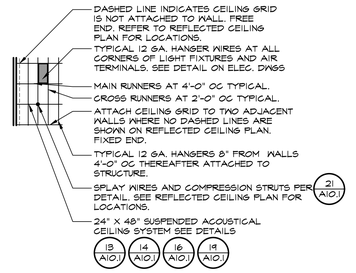
JOB NO. 1316
DRAWN : ED, FS
CHECKED : BCW
DATE : 3/8/22

4.3
OF count SHEETS

REFLECTED CEILING PLAN NOTES:

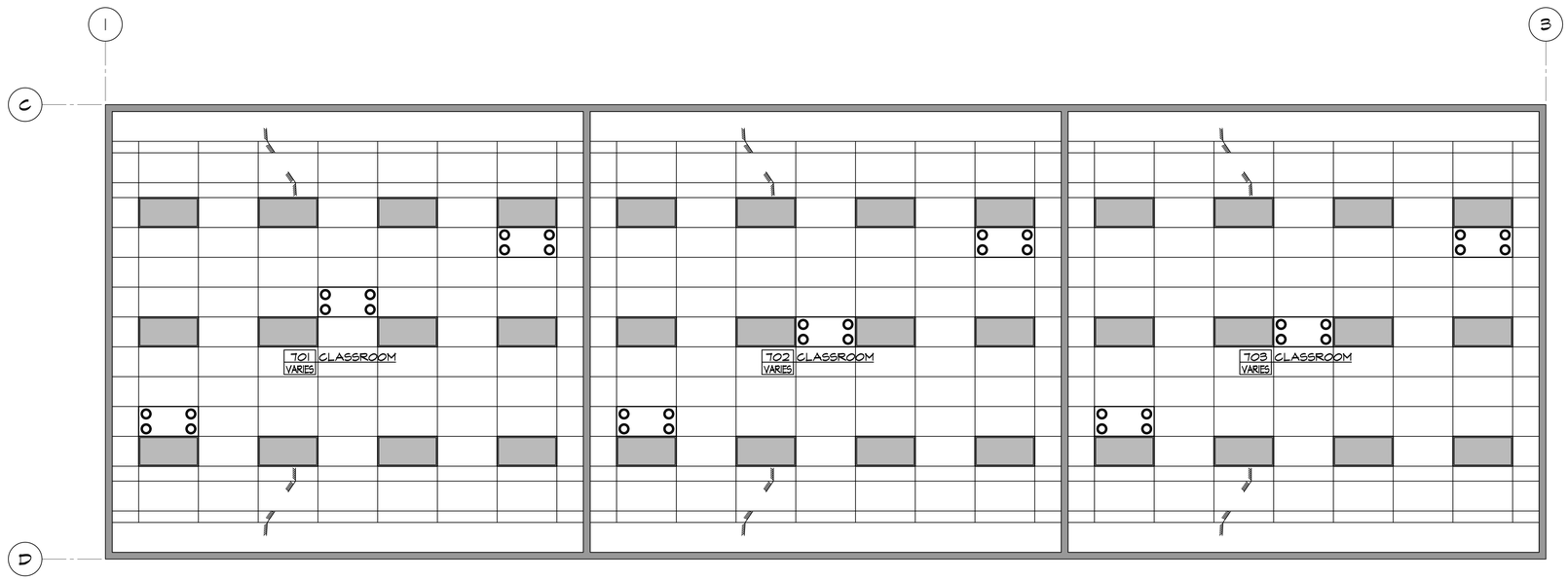
1. SEE ROOM FINISH SCHEDULE FOR CEILING FINISHES.
2. SEE MECHANICAL AND ELECTRICAL FOR ADDITIONAL INFORMATION.
3. HORIZONTAL LATH & PLASTER AT ALL EXTERIOR SOFFITS SEE DETAIL 5/A10.0

REFLECTED CEILING LEGEND



2'-0" x 4'-0" RECESSED AIR FILTER SEE ELECTRICAL PLANS

2'-0" x 4'-0" SURFACE MTD. LIGHT FIXTURE SEE ELECTRICAL PLANS



PLAN NORTH

REFLECTED CEILING PLAN BUILDING 'G'

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

PTN : 63321-382 FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 EXP. 11/30/23 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

REFLECTED CEILING PLAN BUILDING 'G'

MARK	DATE	REVISIONS
1		
2		
3		

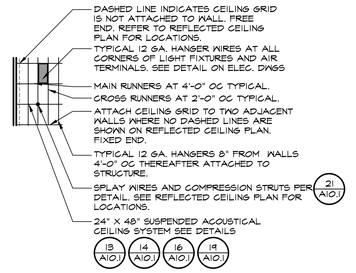
JOB NO. 1316
DRAWN : ED, FS
CHECKED : BCW
DATE : 9/29/22

4.4
OF count SHEETS

REFLECTED CEILING PLAN NOTES:

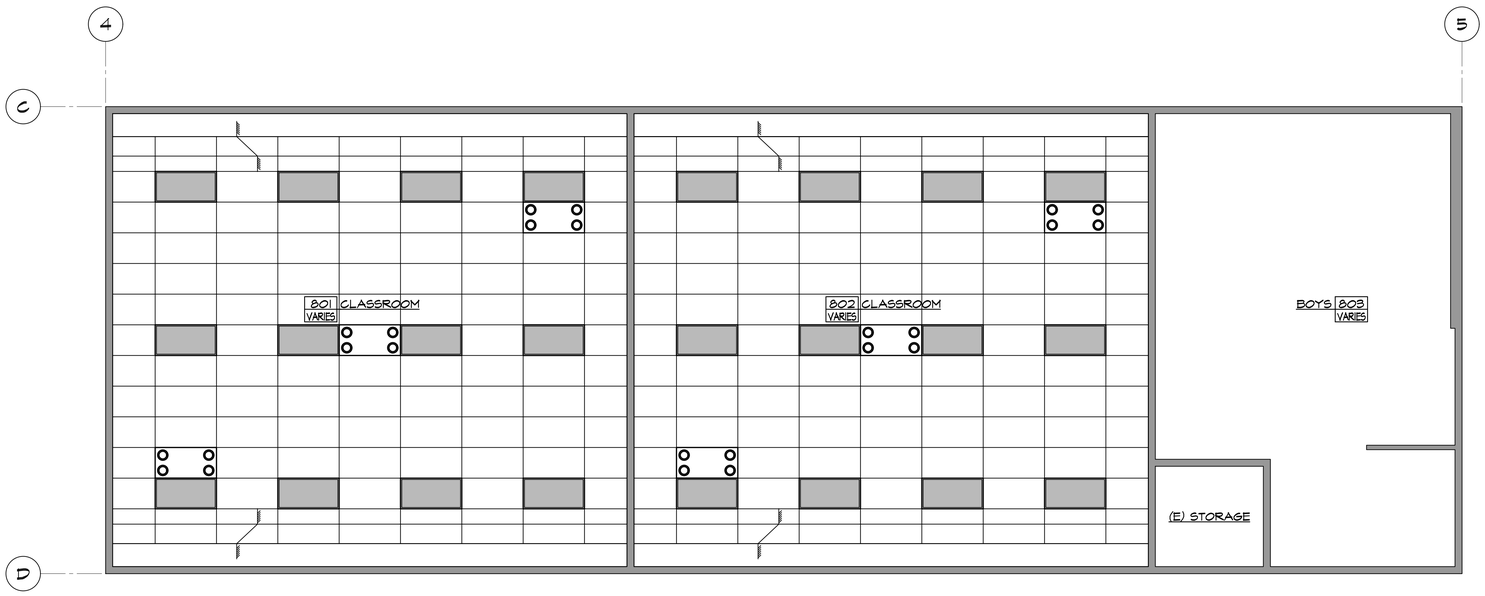
1. SEE ROOM FINISH SCHEDULE FOR CEILING FINISHES.
2. SEE MECHANICAL AND ELECTRICAL FOR ADDITIONAL INFORMATION.
3. HORIZONTAL LATH & PLASTER AT ALL EXTERIOR SOFFITS SEE DETAIL 5/A10.0

REFLECTED CEILING LEGEND



2'-0" x 4'-0" RECESSED AIR FILTER SEE ELECTRICAL PLANS

2'-0" x 4'-0" SURFACE MTD. LIGHT FIXTURE SEE ELECTRICAL PLANS



PLAN NORTH

REFLECTED CEILING PLAN BUILDING 'H'

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

PTN : 63321-382 FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

SC ARCHITECT inc.
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM
LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/23 STATE OF CALIFORNIA
STEPHEN J. CORBIN, NCARB, 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.

REFLECTED CEILING PLAN BUILDING 'H'

MARK	DATE	REVISIONS
1		
2		
3		

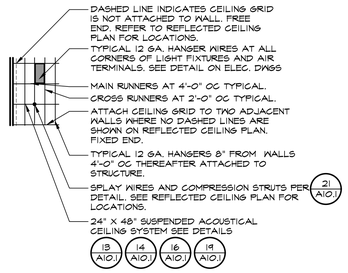
JOB NO. 1316
DRAWN : ED, FS
CHECKED : BCW
DATE : 3/8/22

4.5
OF count SHEETS

REFLECTED CEILING PLAN NOTES:

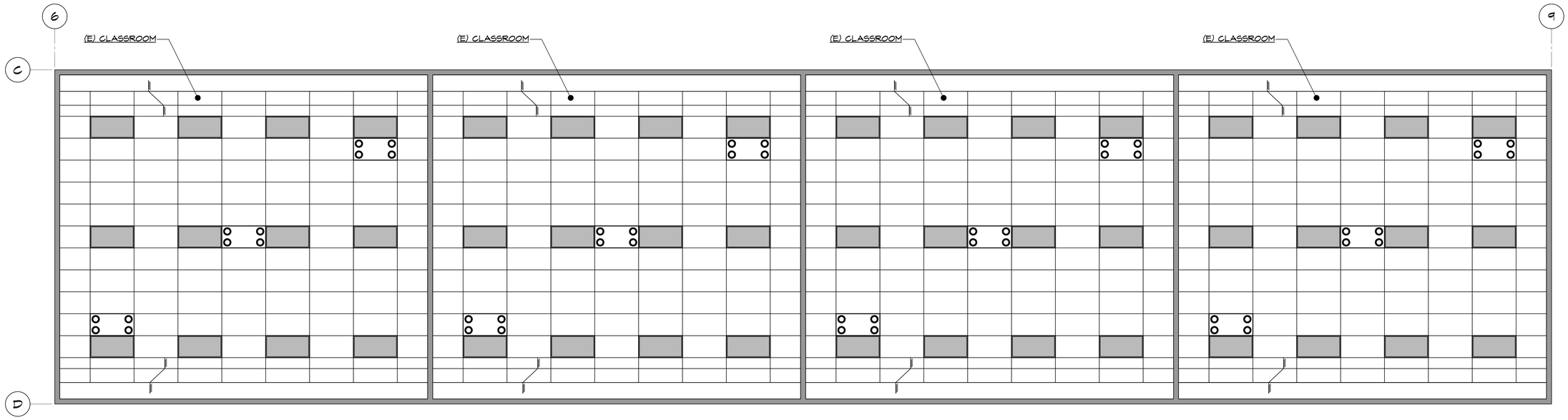
1. SEE ROOM FINISH SCHEDULE FOR CEILING FINISHES.
2. SEE MECHANICAL AND ELECTRICAL FOR ADDITIONAL INFORMATION.
3. HORIZONTAL LATH & PLASTER AT ALL EXTERIOR SOFFITS SEE DETAIL 5/A10.0

REFLECTED CEILING LEGEND



2'-0" x 4'-0" RECESSED AIR FILTER SEE ELECTRICAL PLANS

2'-0" x 4'-0" SURFACE MTD. LIGHT FIXTURE SEE ELECTRICAL PLANS



PLAN NORTH

REFLECTED CEILING PLAN BUILDING 'I'

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

PTN : 63321-382 FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/23 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, AIA, LEED ®-AP

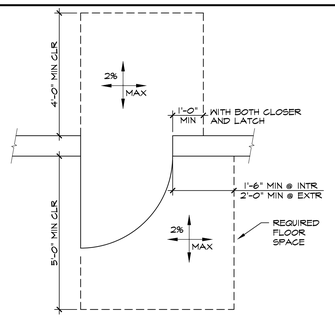
CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.

REFLECTED CEILING PLAN BUILDING 'I'

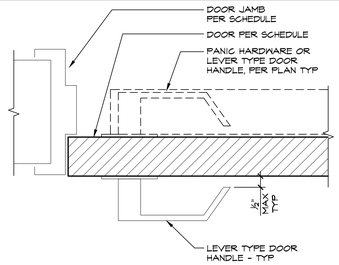
MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN : ED, FS
CHECKED : BCW
DATE : 7/29/22

4.6
OF#### SHEETS

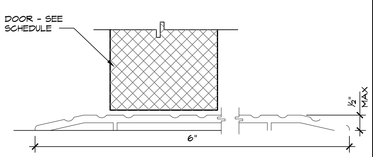


1 REQ'D FLOOR CLEARANCES SCALE: ½" = 1'-0"



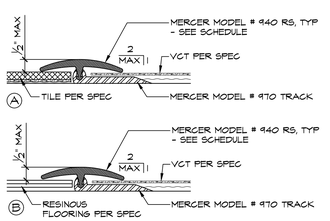
TITLE 19 SEC 18, 14-B (1) LEVERS
THE LEVER OF LEVER ACTUATED LATCHES OR LOCKS SHALL BE CURVED WITH A RETURN TO WITHIN ½" OF THE DOOR TO PREVENT CATCHING ON CLOTHING OF PERSONS DURING EGRESS.

2 DOOR/GATE LEVER SCALE: 3" = 1'-0"



NATION GUARD PRODUCTS
613

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



4 REDUCER STRIP SCALE: 6"= 1'-0"

DOOR SCHEDULE

BLDG #	DOOR #	DOOR TYPE	DOOR SIZE (EACH LEAF)	DOOR MAT'L	LOUVER SIZE	FRAME TYPE	FRAME MAT'L	RATING	PANIC HDWR	HNDR SET #	DETAILS L/JAMB	DETAILS HEAD	DETAILS R/JAMB	DETAILS THRESHOLD/RS	REMARKS (SEE TYP DOOR NOTE #'S 1,2,3,4,5,6,7,8,11,13, 14,17,18, & 19. ADDITIONAL REQ'S ARE FOR ALL DOORS SCHEDULED.)	SIGN TYPE	DOOR #	BLDG #
BLDG 'B'	201A	A	3'-0" X 6'-8"	HM	-	A	HM	-	-	-	-	-	-	-	-	A/B	201A	BLDG 'B'
	202A	-	(E) 3'-0" X 6'-8"	-	-	-	-	-	-	-	-	-	-	-	-	E/F	202A	
	203A	-	(E) 3'-0" X 6'-8"	-	-	-	-	-	-	-	-	-	-	-	-	G/H	203A	
	204A	A	3'-0" X 6'-8"	WD	-	A	HM	-	-	-	-	-	-	-	-	J/K	204A	
	205A	-	(E) 3'-0" X 6'-8"	-	-	-	-	-	-	-	-	-	-	-	-	A/B	205A	
BLDG 'C'	301A	A	3'-0" X 6'-8"	WD	-	A	HM	-	-	-	-	-	-	-	-	E/F	301A	BLDG 'C'
	302A	A	3'-0" X 6'-8"	WD	-	A	HM	-	-	-	-	-	-	-	-	G/H	302A	
	303A	A	3'-0" X 6'-8"	HM	-	A	HM	-	-	-	-	-	-	-	-	A/B	303A	
	303B	A	3'-0" X 6'-8"	HM	-	A	HM	-	-	-	-	-	-	-	-	A/B	303B	
	303C	-	(E) 3'-0" X 6'-8"	-	-	-	-	-	-	-	-	-	-	-	-	D	303C	
	304A	A	3'-0" X 6'-8"	WD	-	A	HM	-	-	-	-	-	-	-	-	-	304A	
BLDG 'D'	401A	A	3'-0" X 6'-8"	HM	-	A	HM	-	-	-	-	-	-	-	-	A/B	401A	BLDG 'D'
	401B	A	3'-0" X 6'-8"	HM	-	A	HM	-	-	-	-	-	-	-	-	A/B	401B	
	401C	A	3'-0" X 6'-8"	HM	-	A	HM	-	-	-	-	-	-	-	-	D	401C	
	402A	A	3'-0" X 6'-8"	WD	-	A	HM	-	-	-	-	-	-	-	-	A	402A	
	403A	A	3'-0" X 6'-8"	WD	-	A	HM	-	-	-	-	-	-	-	-	J/K	403A	
	405A	A	3'-0" X 6'-8"	WD	-	A	HM	-	-	-	-	-	-	-	-	J/K	405A	
BLDG 'E'	501A	A	3'-0" X 6'-8"	HM	-	A	HM	-	-	-	-	-	-	-	-	A/B	501A	BLDG 'E'
	501B	-	(E) 3'-8" X 6'-8"	-	-	-	-	-	-	-	-	-	-	-	-	D	501B	
	502A	A	3'-0" X 6'-8"	HM	-	A	HM	-	-	-	-	-	-	-	-	A/B	502A	
	502B	-	(E) 3'-8" X 6'-8"	-	-	-	-	-	-	-	-	-	-	-	-	D	502B	
	503A	-	(E) 3'-0" X 6'-8"	-	-	-	-	-	-	-	-	-	-	-	-	G/H	503A	
	504A	-	(E) 3'-0" X 6'-8"	-	-	-	-	-	-	-	-	-	-	-	-	J/K	504A	
BLDG 'F'	601A	A	3'-0" X 6'-8"	HM	-	A	HM	-	-	-	-	-	-	-	-	A/B	601A	BLDG 'F'
	601B	-	(E) 3'-8" X 6'-8"	-	-	-	-	-	-	-	-	-	-	-	-	D	601B	
	602A	A	3'-0" X 6'-8"	HM	-	A	HM	-	-	-	-	-	-	-	-	A/B	602A	
	602B	-	(E) 3'-8" X 6'-8"	-	-	-	-	-	-	-	-	-	-	-	-	D	602B	
	603A	A	3'-0" X 6'-8"	HM	-	A	HM	-	-	-	-	-	-	-	-	A/B	603A	
	603B	-	(E) 3'-8" X 6'-8"	-	-	-	-	-	-	-	-	-	-	-	-	D	603B	
	604A	A	3'-0" X 6'-8"	HM	-	A	HM	-	-	-	-	-	-	-	-	A/B	604A	
	604B	-	(E) 3'-8" X 6'-8"	-	-	-	-	-	-	-	-	-	-	-	-	D	604B	
BLDG 'G'	701A	-	(E) 3'-0" X 6'-8"	-	-	-	-	-	-	-	-	-	-	-	-	A/B	701A	BLDG 'G'
	701B	A	3'-0" X 6'-8"	HM	-	A	HM	-	-	-	-	-	-	-	-	D	701B	
	702A	-	(E) 3'-0" X 6'-8"	-	-	-	-	-	-	-	-	-	-	-	-	A/B	702A	
	702B	A	3'-0" X 6'-8"	HM	-	A	HM	-	-	-	-	-	-	-	-	D	702B	
	703A	-	(E) 3'-0" X 6'-8"	-	-	-	-	-	-	-	-	-	-	-	-	A/B	703A	
	703B	A	3'-0" X 6'-8"	HM	-	A	HM	-	-	-	-	-	-	-	-	D	703B	
BLDG 'H'	801A	A	3'-0" X 6'-8"	HM	-	A	HM	-	-	-	-	-	-	-	-	A/B	801A	BLDG 'H'
	801B	-	(E) 3'-8" X 6'-8"	-	-	-	-	-	-	-	-	-	-	-	-	D	801B	
	802A	A	3'-0" X 6'-8"	HM	-	A	HM	-	-	-	-	-	-	-	-	A/B	802A	
	802B	-	(E) 3'-8" X 6'-8"	-	-	-	-	-	-	-	-	-	-	-	-	D	802B	
	803A	-	(E) 3'-0" X 6'-8"	-	-	-	-	-	-	-	-	-	-	-	-	E/F	803A	
BLDG '1'	901A	A	3'-0" X 6'-8"	HM	-	A	HM	-	-	-	-	-	-	-	-	A/B	901A	BLDG '1'
	901B	-	(E) 3'-8" X 6'-8"	-	-	-	-	-	-	-	-	-	-	-	-	D	901B	
	902A	A	3'-0" X 6'-8"	HM	-	A	HM	-	-	-	-	-	-	-	-	A/B	902A	
	902B	-	(E) 3'-8" X 6'-8"	-	-	-	-	-	-	-	-	-	-	-	-	D	902B	
	903A	A	3'-0" X 6'-8"	HM	-	A	HM	-	-	-	-	-	-	-	-	A/B	903A	
	903B	-	(E) 3'-8" X 6'-8"	-	-	-	-	-	-	-	-	-	-	-	-	D	903B	
	904A	A	3'-0" X 6'-8"	HM	-	A	HM	-	-	-	-	-	-	-	-	A/B	904A	
	904B	-	(E) 3'-8" X 6'-8"	-	-	-	-	-	-	-	-	-	-	-	-	D	904B	

ROOM FINISH SCHEDULE

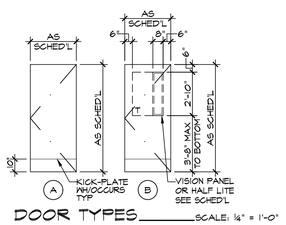
BLDG #	DOOR #	DESCRIPTION	FLOOR	BASE	WALLS NORTH	WALLS EAST	WALLS SOUTH	WALLS WEST	CEILING MAT'L	CEILING HEIGHT	REMARKS	DOOR #	BLDG #
BLDG 'B'	201	TEACHER'S	1A	3A/8E	1A/5E	1A	1A	1A	3A	10'-3"	-	201	BLDG 'B'
	202	MEN	2A	2A	1A	1A	1A	1A	1A	VARIES	-	202	
	203	WOMEN	2A	2A	1A	1A	1A	1A	1A	VARIES	-	203	
	204	UNISEX	4A	3A	1A/1E	1A/1E	1A	1A	1A	VARIES	-	204	
	205	LOBBY	5A	4A	1A	1A	1A	1A	3A	10'-3"		205	
BLDG 'C'	301	BOYS	3A	6A/6E	1A	1A/5E	1A	1A	2A	VARIES	-	301	BLDG 'C'
	302	GIRLS	3A	6A/6E	1A	1A	1A	1A/5E	2A	VARIES	-	302	
	303	KINDERGARTEN	4A/5A	4A/5A	2A	3A	3A	1A/3A	4B	VARIES	-	303	
	304	STORAGE	1A	3A	1A	1A	1A	1A	1A	VARIES	-	304	
BLDG 'D'	401	(E) KINDERGARTEN	4A/5A/7E	4A/9B	2A	2A	2A	5C	4B	VARIES	-	401	BLDG 'D'
	402	OFFICE	7D	9B	5C	5C	5C	5C	4B	8'-0"	-	402	
	403	TOILET	9B	11B	5C/8B	5C/8B	5C/8B	5C/8B	5C	8'-0"	-	403	
	403A	WASH	7D	9B	5C	-	5C/8B	5C/8B	4B	9'-8"	-	403A	
	404	TOILET	9B	11B	5C/8B	5C/8B	5C/8B	5C/8B	5C	8'-0"	-	404	
BLDG 'E'	501	CLASSROOM	4A/5A/7E	4A/9B	2A/5C	2A	2A	2A	4B	VARIES	-	501	BLDG 'E'
	502	CLASSROOM	4A/5A/7E	4A/9B	2A/5C	2A	2A	2A	4B	VARIES	-	502	
	503	(E) GIRLS	6A	7A	1A/4A	1A/4A	1A/4A	1A/4A	2A	VARIES	-	503	
	504	(E) UNISEX	6A	7A	1A/4A	1A/4A	1A/4A	1A/4A	2A	8'-0"	-	504	
BLDG 'F'	601	CLASSROOM	4A/5A/7E	4A/9B	2A/5C	2A	2A	2A	4B	VARIES	-	601	BLDG 'F'
	602	CLASSROOM	4A/5A/7E	4A/9B	2A/5C	2A	2A	2A	4B	VARIES	-	602	
	603	CLASSROOM	4A/5A/7E	4A/9B	2A/5C	2A	2A	2A	4B	VARIES	-	603	
	604	CLASSROOM	4A/5A/7E	4A/9B	2A/5C	2A	2A	2A	4B	VARIES	-	604	
BLDG 'G'	701	CLASSROOM	4A/5A/7E	4A/9B	2A/5C	2A	2A	2A	4B	VARIES	-	701	BLDG 'G'
	702	CLASSROOM	4A/5A/7E	4A/9B	2A/5C	2A	2A	2A	4B	VARIES	-	702	
	703	CLASSROOM	4A/5A/7E	4A/9B	2A/5C	2A	2A	2A	4B	VARIES	-	703	
BLDG 'H'	801	CLASSROOM	4A/5A/7E	4A/9B	2A/5C	2A	2A	2A	4B	VARIES	-	801	BLDG 'H'
	802	CLASSROOM	4A/5A/7E	4A/9B	2A/5C	2A	2A	2A	4B	VARIES	-	802	
	803	BOYS	6A	7A	1A/4A	1A/4A	1A/4A	1A/4A	2A	VARIES	-	803	
BLDG '1'	901	CLASSROOM	4A/5A/7E	4A/9B	2A/5C	2A	2A	2A	4B	VARIES	-	901	BLDG '1'
	902	CLASSROOM	4A/5A/7E	4A/9B	2A/5C	2A	2A	2A	4B	VARIES	-	902	
	903	CLASSROOM	4A/5A/7E	4A/9B	2A/5C	2A	2A	2A	4B	VARIES	-	903	
	904	CLASSROOM	4A/5A/7E	4A/9B	2A/5C	2A	2A	2A	4B	VARIES	-	904	
	-	-	-	-	-	-	-	-	-	-	-	-	
	-	-	-	-	-	-	-	-	-	-	-	-	

TYPICAL DOOR NOTES

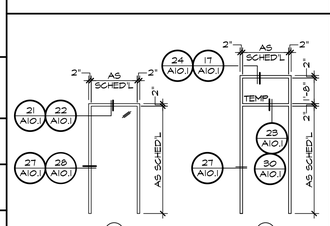
1. FOR BUILDERS HARDWARE, REFER TO SPECIFICATION SECTION 08 71 00
2. EXIT DOOR REQUIREMENTS:
   ALL EXIT DOORS IN SCHOOL BUILDINGS, INCLUDING BUT NOT LIMITED TO DOORS OF TOILETS, AND STORAGE ROOMS, SHALL CONFORM WITH THE REQUIREMENTS OF THE 2019 CBC TITLE 24 THE FOLLOWING ARE SOME OF THE REQUIREMENTS:
   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 ¼" CLEAR WIRE GLAZING UNO (SQUARE PATTERN) @ FIRE RATED ASSEMBLIES, FOR NON-RATED ASSEMBLIES USE ¼" CLEAR TEMP GLAZING
12. PROVIDE VISION PANEL, SIZE AS INDICATED, FOR NON-RATED ASSEMBLIES USE ¼" CLEAR TEMP GLAZING. FIRE RATED ASSEMBLIES SHALL BE FIRE RATED GLASS PER SPECIFICATIONS SEC 08 81 00
13. DOOR LEVER REQUIREMENTS (2 / A5.0)
14. GROUT ALL HM DOOR JAMB BOTTOMS - TYP (4 / A10.3) (10 / A10.2)
15. REFER TO STRUCTURAL DRAWING FOR HEADER SIZES REQUIRED
17. MIN FLOOR SPACE REQUIREMENTS AT DOORS (1 / A5.0)
18. PROVIDE DOOR SIGNAGE PER SPEC AND SCHEDULE
19. 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 EXEMPTED 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 RS-1 = 940 STRIP IN 970 TRACK (4 / A5.0)



DOOR TYPES SCALE: ¼" = 1'-0"
HALF LITE SHALL BE TEMPERED GLASS
SAFETY IMPACT GLAZING SHALL COMPLY W/ CBC 2406, TESTED IN ACCORDANCE W/ CPSC 16 CFR PART 1201



DOOR FRAMES SCALE: ¼"=1'-0"
AS VIEWED FROM EXTERIOR - UNO

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 19 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, CEILINGS OR BLOCKING INSTALLATION SHALL BE PATCHED, FILLED AND FINISHED TO MATCH EXISTING ADJACENT AS INDICATED ON ROOM FIN SCH.

FINISH NOTES AND MATERIALS

FLOORS

1. (E) LINOLEUM O/ PLYWOOD
2. (E) SHEET VINYL
3. (E) COLORED CONCRETE
4. (E) VINYL COMPOSITION TILE
5. (E) CARPET
6. (E) UNGLAZED CERAMIC TILE
7. VINYL COMPOSITION TILE (12 X 12)
8. SHEET VINYL
9. UNGLAZED CERAMIC MOSAIC TILE

BASE

1. (E) COVED LINOLEUM
2. (E) 6" COVED SHEET VINYL
3. (E) WOOD
4. (E) 4" RUBBER TOPSET
5. (E) CARPET
6. (E) 6" CEMENT
7. (E) COVED CERAMIC TILE
8. (E) FRP
9. WOOD
10. 4" RUBBER TOPSET
11. COVED SHEET VINYL
12. 4" COVED GLAZED CERAMIC TILE (7 / A10.0)

WALLS

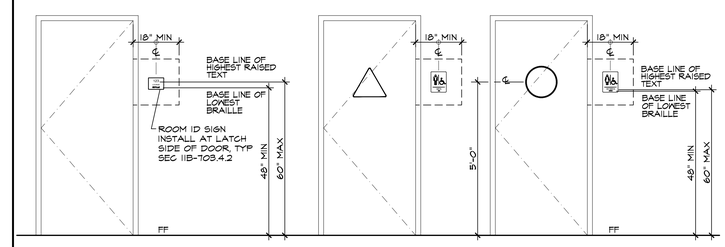
1. (E) PLASTER
2. (E) PLASTER W/ VCTMB
3. (E) FIBRE BOARD
4. (E) CERAMIC TILE
5. ⅝" TYPE "X" GYP BD WITH ⅛" VENEER PLASTER
6. ACOUSTICAL PANEL O/ ⅝"TYPE "X" GYP BOARD
7. VINYL COVERED TACKABLE WALLBOARD (VCTMB) OVER ⅝" TYPE "X" GYP BD
8. GLAZED CERAMIC TILE PER SPEC'S (19 / A10.0) (20 / A10.0)

CEILING

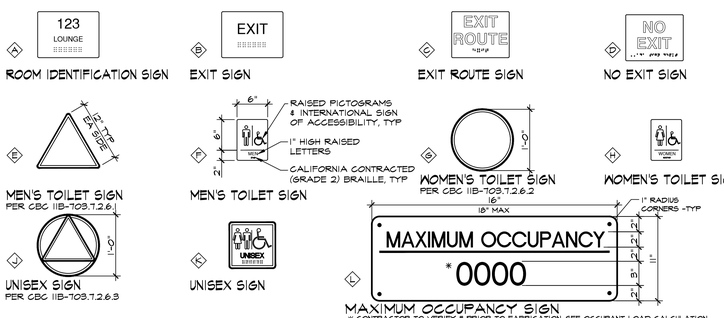
1. (E) PLASTER
2. (E) FIBRE BOARD
3. (E) T-BAR W/ ACOUSTICAL TILES
4. SUSPENDED 2'-0" X 4'-0" T-BAR CEILING SYSTEM W/ LAY-IN ACOUSTIC PANELS
5. ⅝" TYPE "X" GYP BD WITH ⅛" VENEER PLASTER

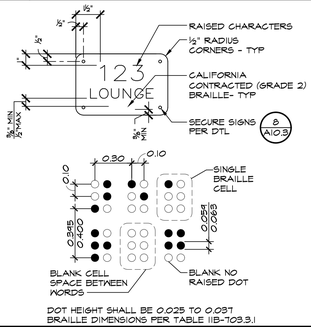
FINISHES

A. EXISTING
B. FACTORY FINISH
C. PAINT - PER SPEC
D. SEALER WAX
E. PATCH & MATCH



TYPICAL DOOR SIGNAGE MOUNTING HEIGHTS





DOT HEIGHT SHALL BE 0.025 TO 0.037
BRAILLE DIMENSIONS PER TABLE 11B-703.3.1

NOTES:
1. RAISED CHARACTERS SHALL BE UPPERCASE LETTERS & NUMERALS. SAN SERIF ⅝" MIN TO 2" MAX HEIGHT AND ½" MIN RAISED ABOVE BACKGROUND AND SHALL BE DUPLICATED IN BRAILLE PER SECTIONS 11B-703.2 & 11B-703.3 CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MIN & 110% MAX OF THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15% MAX OF THE HEIGHT OF CHARACTER. CHARACTER SPACING SHALL BE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN THE MESSAGE, EXCLUDING WORD SPACES. WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE ⅛ MIN AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAX. WHERE CHARACTERS HAVE OTHER CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS SHALL BE ⅛" MIN AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAX AT THE BASE OF CROSS SECTIONS, AND 1/8" AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAX AT THE TOP OF CROSS SECTIONS. CHARACTERS SHALL BE SEPARATED FROM RAISED BORDERS AND DECORATIVE ELEMENTS ⅜" MIN.
2. BRAILLE SHALL BE CALIFORNIA CONTRACTED (GRADE 2) AND SHALL COMPLY WITH SECTIONS 11B-703.3 & 11B-703.4. BRAILLE DOTS SHALL BE DOMED OR ROUNDED.
3. SIGNAGE SHOWN HEREIN ARE NOT NECESSARILY INCLUDED IN THIS PROJECT. REFER TO PLANS AND SPECIFICATIONS FOR SIGNAGE TYPE AND LOCATION.
4. DIRECTIONAL SIGNS PER PLAN & DESIGNATED AT PATH OF TRAVEL.
5. TACTILE SIGNAGE MOUNTING AND ATTACHMENT PER SPECIFICATIONS.

5 DOOR SIGNAGE SCALE: NTS

PTN : 63321-382 FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

ARCHITECT SCI inc.
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM
LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN. 11/30/23 STATE OF CALIFORNIA
STEPHEN J. CORBIN, NCARB, 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.

DOOR SCHEDULE, ROOM FINISH SCHEDULE & DETAILS

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN : ED, FS
CHECKED : BCW
DATE : 8/25/22

5.0
OF count SHEETS

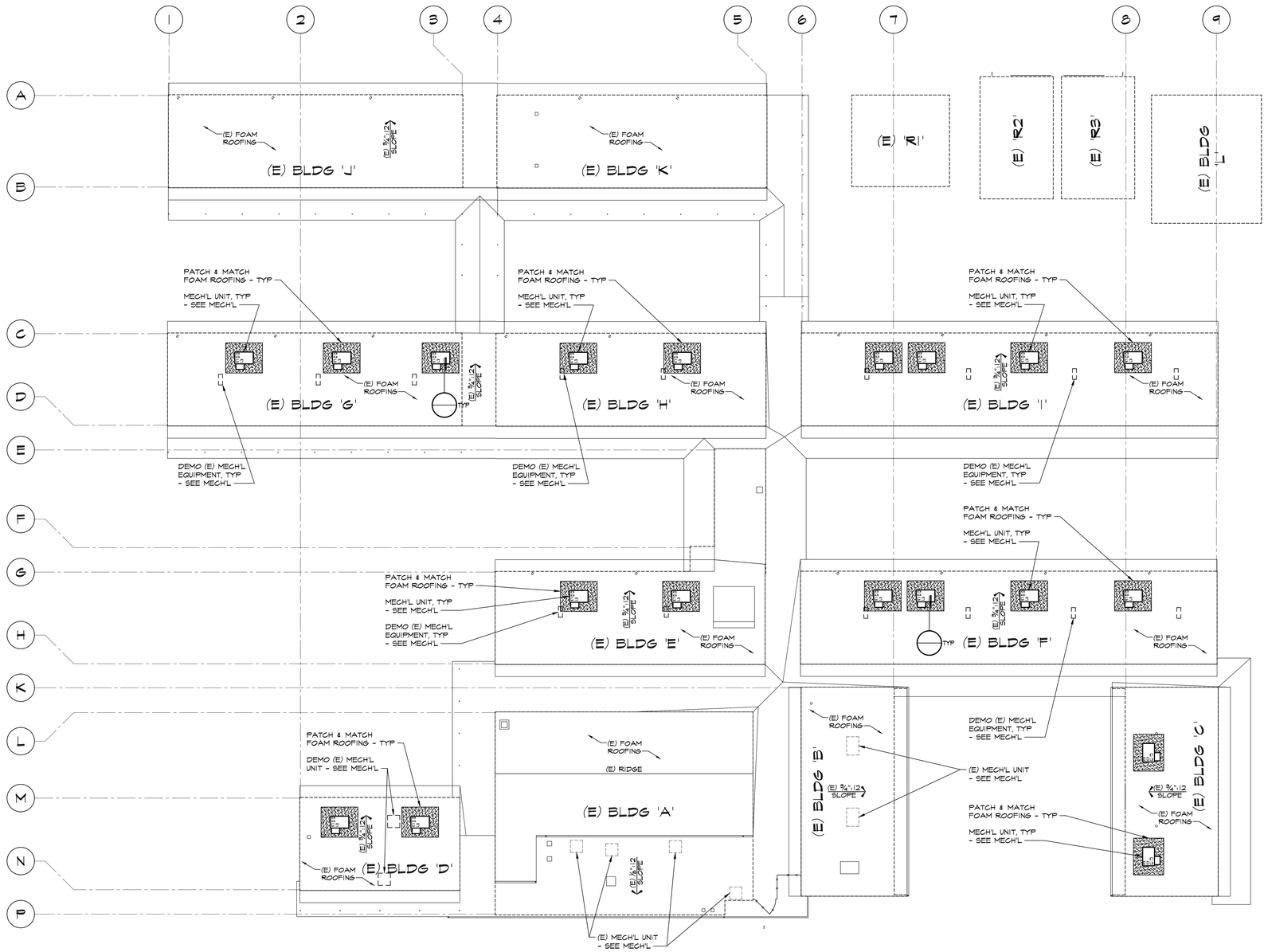
ROOFING NOTES:

1. CLASS "B" BUILT-UP ROOFING
2. CLAY TILE ROOFING SHALL BE ATTACHED PER DETAIL 12/A10.5
3. RWL & OVERFLOW SHALL BE 3" DIA MIN. CAST IRON PIPE
4. RAINWATER LEADER (RWL) 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



PLAN NORTH

ROOF PLAN

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

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

PTN : 63321-382 FILE: 15-6

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

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/23 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, AIA, LEED ®-AP

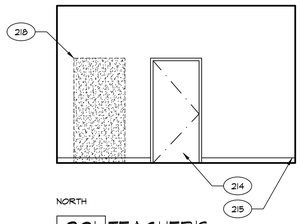
CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.

ROOF PLAN

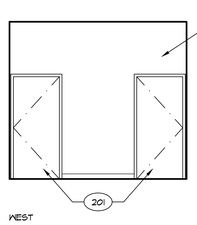
MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN : ED, FS
CHECKED : BCW
DATE : 9/23/22

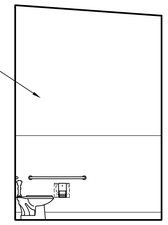
6.0
OF count SHEETS



NORTH

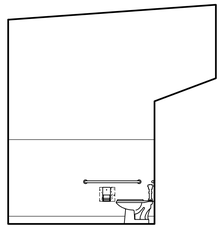


WEST



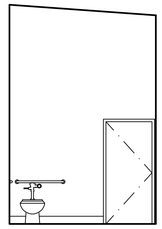
NORTH

201 TEACHER'S
BLDG 'B'

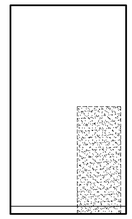


SOUTH

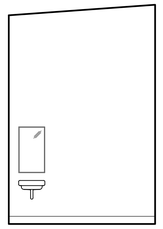
202 MEN
BLDG 'B'



NORTH



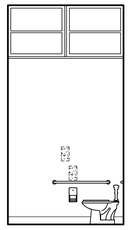
EAST



SOUTH

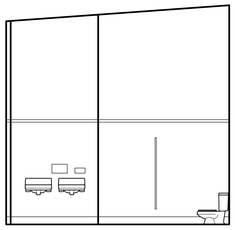
203 WOMEN
BLDG 'B'

204 UNISEX
BLDG 'B'

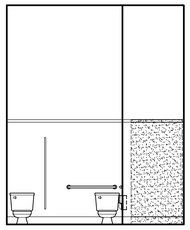


WEST

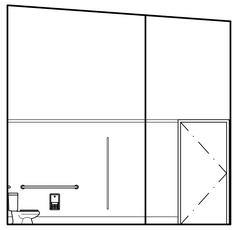
204 UNISEX
CONTINUED



NORTH

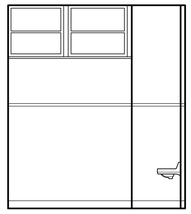


EAST

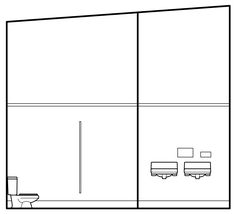


SOUTH

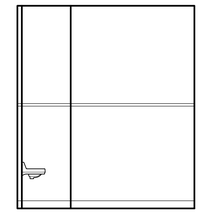
301 BOYS
BLDG 'C'



WEST

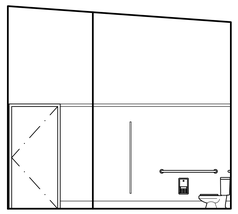


NORTH

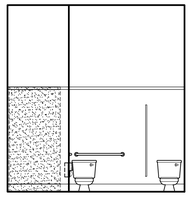


EAST

302 GIRLS
BLDG 'C'

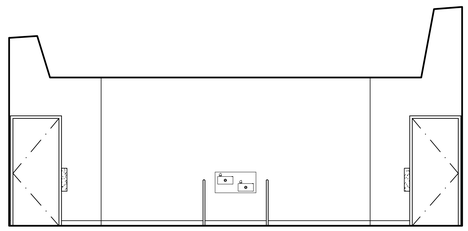


SOUTH

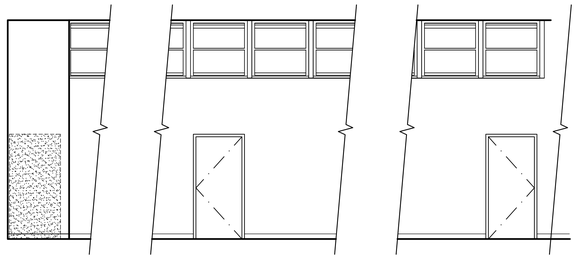


WEST

302 GIRLS
BLDG 'C'

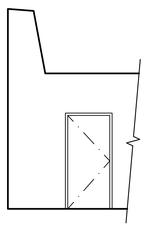


NORTH

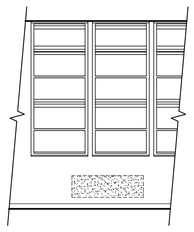


EAST

303 KINDERGARTEN
BLDG 'C'

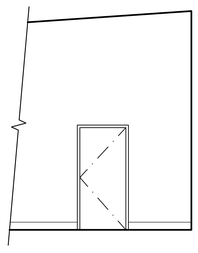


SOUTH



WEST

303 KINDERGARTEN
CONTINUED



NORTH

304 STORAGE
BLDG 'C'

401 KINDERGARTEN
BLDG 'D'

NORTH EAST

SCALE: ##########

INTERIOR ELEVATIONS

KEYNOTES

201	(E) DOOR TO REMAIN
202	(E) THRESHOLD TO REMAIN
203	(E) WINDOW TO REMAIN
204	(E) HAND DRYER TO REMAIN
205	(E) LAVATORY / SINK TO REMAIN
206	(E) TOILET / URINAL TO REMAIN
207	(E) GRAB BAR TO REMAIN
208	(E) SOAP DISPENSER TO REMAIN
209	(E) PAPER TOWEL DISPENSER TO REMAIN
210	(E) SOLID TOILET PARTITIONS TO REMAIN
211	(E) FLOOR DRAIN TO REMAIN
212	(E) EXHAUST FAN SPEED CONTROL TO REMAIN
213	RELOCATED INTERMEDIATE DISTRIBUTION FRAME
214	DOOR - SEE SCHEDULE
215	BASE - SEE SCHEDULE
216	WALL FINISH - SEE SCHEDULE
217	PATCH & MATCH (E) CONC SLAB AS REQ'D
218	WALL IN-FILL, PATCH & MATCH WALL FINISHES AS REQ'D
219	PLAM BASE CABS AND/OR UPPER CABS
220	SOLID PLASTIC PARTITIONS
221	GRAB BAR - 48" AT SIDE AND 36" AT BACK
222	HAND DRYER PER SPEC
223	RECESSED TOILET PAPER DISPENSER
224	TOILET AND REQUIREMENTS - SEE PLUMBING PLANS
225	URINAL AND REQUIREMENTS - SEE PLUMBING PLANS
226	LAVATORY/SINK AND REQUIREMENTS - SEE PLUMBING PLANS
227	DRINKING FOUNTAIN REQUIREMENTS - SEE PLUMBING PLANS
228	1½"Ø STD PIPE RAIL PER SPEC

PTN : 63321-382 FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/23 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, AIA, LEED ®-AP

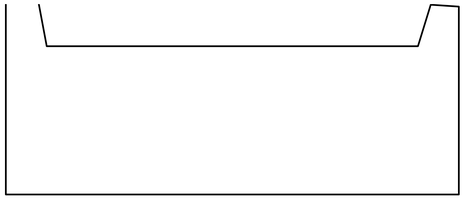
CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.

INTERIOR ELEVATIONS

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN : ED, FS
CHECKED : BCW
DATE : 10/5/22

9.0
OF#### SHEETS



WEST

401 KINDERGARTEN
BLDG 'D'

NORTH EAST SOUTH WEST

402 OFFICE
BLDG 'D'

NORTH

403 TOILET
BLDG 'D'

EAST SOUTH WEST

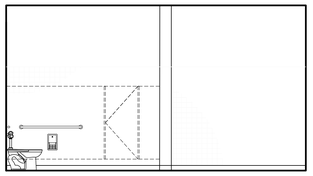
403 TOILET
BLDG 'D'

NORTH EAST SOUTH WEST

403A WASH
BLDG 'D'

NORTH EAST SOUTH

404 TOILET
BLDG 'D'



WEST

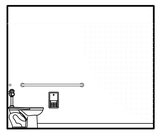
404 UNISEX
BLDG 'D'

NORTH

502 CLASSROOM
BLDG 'E'

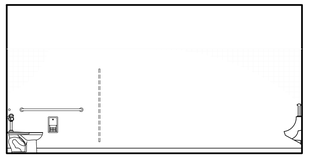
NORTH

503 GIRLS
BLDG 'E'



NORTH

504 UNISEX
BLDG 'E'



NORTH

803 BOYS
BLDG 'E'

KEYNOTES

201	(E) DOOR TO REMAIN
202	(E) THRESHOLD TO REMAIN
203	(E) WINDOW TO REMAIN
204	(E) HAND DRYER TO REMAIN
205	(E) LAVATORY / SINK TO REMAIN
206	(E) TOILET / URINAL TO REMAIN
207	(E) GRAB BAR TO REMAIN
208	(E) SOAP DISPENSER TO REMAIN
209	(E) PAPER TOWEL DISPENSER TO REMAIN
210	(E) SOLID TOILET PARTITIONS TO REMAIN
211	(E) FLOOR DRAIN TO REMAIN
212	(E) EXHAUST FAN SPEED CONTROL TO REMAIN
213	RELOCATED INTERMEDIATE DISTRIBUTION FRAME
214	DOOR - SEE SCHEDULE
215	BASE - SEE SCHEDULE
216	WALL FINISH - SEE SCHEDULE
217	PATCH & MATCH (E) CONC SLAB AS REQ'D
218	WALL IN-FILL, PATCH & MATCH WALL FINISHES AS REQ'D
219	PLAM BASE CABS AND/OR UPPER CABS
220	SOLID PLASTIC PARTITIONS
221	GRAB BAR - 48" AT SIDE AND 36" AT BACK
222	HAND DRYER PER SPEC
223	RECESSED TOILET PAPER DISPENSER
224	TOILET AND REQUIREMENTS - SEE PLUMBING PLANS
225	URINAL AND REQUIREMENTS - SEE PLUMBING PLANS
226	LAVATORY/SINK AND REQUIREMENTS - SEE PLUMBING PLANS
227	DRINKING FOUNTAIN REQUIREMENTS - SEE PLUMBING PLANS
228	1½"Ø STD PIPE RAIL PER SPEC

INTERIOR ELEVATIONS

SCALE: ##########

PTN : 63321-382 FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/22 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

INTERIOR ELEVATIONS

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN : ED
CHECKED : BCW
DATE : 9/29/22

9.1
OF#### SHEETS

STRUCTURAL ABBREVIATIONS

AB	ANCHOR BOLT	JST	JOIST
ABV	ABOVE	JT	JOINT
ADDL	ADDITIONAL		
ALT	ALTERNATE	KSI	KIP PER SQUARE INCH
ANCH	ANCHOR		
&	AND	LBS	POUNDS
ARCH	ARCHITECT(URAL)	LLBB	LONG LEG BACK-BACK
@	AT	LLH	LONG LEG HORIZONTAL
		LLV	LONG LEG VERTICAL
BF	BRACE FRAME	LONG	LONGITUDINAL
BLDG	BUILDING	LT WT	LIGHT WEIGHT
BLK	BLOCK	LVL	LAMINATED VENEER (LUMBER)
BLKG	BLOCKING	LVL	LEVEL (FLOOR)
BEL	BELOW		
BM	BEAM	MAX	MAXIMUM
BN	BOUNDARY NAILING	MB	MACHINE BOLT
B or BOT	BOTTOM	MECH	MECHANICAL
BRG	BEARING	MEZZ	MEZZANINE
BTWN	BETWEEN	MFR	MANUFACTURER
BU	BUILT-UP	MIN	MINIMUM
BUB	BACK-UP BAR	MISC	MISCELLANEOUS
		MTL	METAL
CAMB(C)	CAMBER(ED)	MS	MIDDLE STRIP
CBC	CALIFORNIA BUILDING CODE		
CG	CENTER OF GRAVITY	(N)	NEW
CIP	CAST IN PLACE	NIC	NOT IN CONTRACT
CJ	CONSTRUCTION JOINT	NO (#)	NUMBER
	OR CONTROL JOINT	NS	NEAR SIDE
CJP	COMPLETE JOINT PENETRATION	NTS	NOT TO SCALE
CL(IR)	CENTERLINE	NORM WT	NORMAL WEIGHT
CLG	CEILING		
CLR	CLEAR	OC	ON CENTER (NOT NECESSARY)
CMU	CONCRETE MASONRY UNIT	OD	OUTSIDE DIAMETER
COL	COLUMN	OF	OUTSIDE FACE
CONC	CONCRETE	OH	OPPOSITE HAND
CONN	CONNECTION	O-O	OUT TO OUT
CONT	CONTINUOUS	OPNG	OPENING
CS	COLUMN STRIP		
CRC	COLD ROLLED CHANNEL	PARA	PARALLEL
CTR	CENTER(ED)	P/C	PRECAST
CTRSK	COUNTERSINK	PERP	PERPENDICULAR
C-C	CENTER TO CENTER	PJP	PARTIAL JOINT PENETRATION
		PL (IP)	PLATE
d	PENNEY(NAILS)	PLY	PLYWOOD
DBL	DOUBLE	PSF	POUNDS PER SQUARE FOOT
DET	DETAIL	PSI	POUNDS PER SQUARE INCH
DF	DOUGLAS FIR	PT	PRESSURE TREATED
DIA(Ø)	DIAMETER	P/T	POSTTENSIONED(PRESTRESSED)
DIAG	DIAGONAL		
DIM	DIMENSION	RAD (R)	RADIUS
DN	DOWN	REF	REFERENCE
DO	DITTO (REPEAT)	REQ'D	REQUIRED
DP	DEEP	REINF	REINFORCEMENT(ING)
DWG	DRAWING	RJ	ROOF JOIST
DWL	DOWELS		
		SC	SLIP CRITICAL
EA	EACH	SEP	SEPARATION
EBF	ECCENTRIC BRACE FRAME	SCHED	SCHEDULE
EF	EACH FACE	SFRS	SEISMIC FORCE RESISTING SYSTEM
EJ	EXPANSION JOINT	SIM	SIMILAR
ELEC	ELECTRICAL	SIMP	SIMPSON
ELEV	ELEVATION/ELEVATOR	SHT	SHEET
EMBED	EMBEDMENT	SHTG	SHEATHING
EN	EDGE NAILING	SLBB	SHORT LEB BACH-BACK
EQ	EQUAL	SLV	SHORT LEB VERTICAL
EQUIP	EQUIPMENT	SMS	SHEET METAL SCREWS
ES	SIDE EACH	SOG	SLAB ON GRADE
EW	EACH WAY	SPECS	SPECIFICATIONS
EXIST(E)	EXISTING	SP	SPACE (S)
EXP	EXPANSION	SQ	SQUARE
EXT	EXTERIOR	SSC	SINGLE SHEAR CONNECTION
		STAGG	STAGGER(ED)
FIN	FINISH(ED)	SS	STAINLESS STEEL
FLR	FLOOR	STD	STANDARD
FDN	FOUNDATION	STIFF	STIFFENER
FLG	FLANGE	STL	STEEL
FN	FIELD NAILING	STRUC	STRUCTURAL
FOB	FACE OF BLOCK OR BRICK	SYMM	SYMMETRICAL
FOC	FACE OF CONCRETE		
FO PLY	FACE OF PLYWOOD	T & B	TOP AND BOTTOM
FOS	FACE OF STUDS	T & G	TONGUE AND GROOVE
FMG	FRAMING	TEMP	TEMPORARY
FS	FAR SIDE	THK	THICK(NESS)
FT	FOOT	THRD	THREADED
FTG	FOOTING	THRU	THROUGH
		TP	TOP OF PARAPET
GA	GAGE	T PLY	TOP OF PLYWOOD
GALV	GALVANIZED	TRANS	TRANSVERSE
GB	GRADE BEAM	TOC	TOP OF CONCRETE
GL	GRID LINE	TOS	TOP OF STEEL
GLB	GLUE-LAMINATED BEAM	TSG	TAPERED STEEL GIRDER
		TOW	TOP OF WALL
HCA	HEADED CONCRETE ANCHOR	TYP	TYPICAL
HD	HOLD DOWN		
HDR	HEADER	UNO	UNLESS NOTED OTHERWISE
HGR	HANGER		
HORIZ	HORIZONTAL	VERT	VERTICAL
HSB	HIGH STRENGTH BOLT		
HS	HIGH STRENGTH	W/	WITH
HT	HEIGHT	WBS	WELDED BEAM SEAT
		WD	WOOD
IBC	INTERNATIONAL BUILDING CODE	WP	WORK POINT
ID	INSIDE DIAMETER	WPJ	WEAKENED PLANE JOINT
IF	INSIDE FACE	WS	WELDED STUDS
IN	INCH	WT	WEIGHT
INFO	INFORMATION	WWF	WELDED WIRE FABRIC
INT	INTERIOR		

LUMBER

1. UNLESS NOTED OTHERWISE, LUMBER SHALL BE DOUGLAS FIR-LARCH, GRADE MARKED, WITH A MAXIMUM MOISTURE CONTENT OF 19% AT THE TIME OF INSTALLATION.
2. UNLESS NOTED OTHERWISE ON THE DRAWINGS, LUMBER GRADES SHALL BE AS FOLLOWS:
   A. VERTICAL FRAMING MEMBERS
      POSTS — No 1
      STUDS — No 1
      ALL OTHER VERTICAL MEMBERS — No 1
   B. HORIZONTAL FRAMING MEMBERS
      BEAMS — SELECT STRUCTURAL.
      JOISTS AND RAFTERS — No 1
      ALL OTHER HORIZONTAL MEMBERS — No 1
3. PLYWOOD SHEATHING SHALL BE DOUGLAS FIR AND SHALL COMPLY WITH THE LATEST EDITION OF U.S. PRODUCT STANDARD PS 1. GRADES SHALL BE MARKED STRUCTURAL 1 BY APA AND BONDED WITH EXTERIOR GLUE UNLESS NOTED OTHERWISE. REFER TO PLANS AND DETAILS FOR THICKNESS. ALL PLYWOOD SHEATHING SHALL BE BLOCKED AT UNSUPPORTED EDGES
4. NAILS SHALL BE COMMON WIRE NAILS AND SHALL CONFORM TO ASTM F1667. UNLESS NOTED OTHERWISE ON THE PLANS, NAILING SHALL COMPLY AS A MINIMUM WITH NAILING AND FASTENING SCHEDULES PRESCRIBED BY THE GOVERNING BUILDING CODE.
5. CONNECTOR REFERENCES, UNLESS NOTED OTHERWISE ARE FROM THE LATEST EDITION OF "SIMPSON STRONG-TIE" CATALOG. APPROVED EQUALS SHALL HAVE MATCHING ICC-ES RATINGS AND USED WITH PRIOR APPROVAL OF THE ARCHITECT OR STRUCTURE ENGINEER.
   A. WHERE MORE THAN ONE TYPE OF FASTENER IN THE REFERENCE SERIES IS SCHEDULED FOR A JOIST OR RAFTER, THE CONTRACTOR SHALL SUPPLY THE FASTENER WITH THE GREATEST CAPACITY.
   B. WHERE THERE ARE A NUMBER OF NAILING ALTERNATIVES LISTED IN THE MANUFACTURER'S CATALOG FOR A PARTICULAR CONNECTOR, THE NAILING ALTERNATIVE PROVIDING THE HIGHEST LOAD CAPACITY SHALL BE USED UNLESS NOTED OTHERWISE.
   C. ALL NAIL HOLES IN THE CONNECTOR SHALL BE FILLED WITH PROPER NAILS UNLESS NOTED OTHERWISE ELSEWHERE. (INCLUDING TRIANGULAR HOLES IN "HU" HANGERS.
   D. USE NAILS AT ALL "MST" STRAP HOLES, UNLESS NOTED OTHERWISE.
6. SILL PLATES AND OTHER WOOD MEMBERS BEARING DIRECTLY ON THE CONCRETE SLAB THAT IS IN DIRECT CONTACT WITH EARTH OR WOOD MEMBERS IN DIRECT CONTACT WITH CONCRETE OR MASONRY FOUNDATIONS SHALL BE PRESERVATIVE-TREATED LUMBER.
7. FASTENERS AND HARDWARE IN CONTACT WITH PRESERVATIVE-TREATED OR FIRE-RETARDANT-TREATED LUMBER SHALL BE HOT DIPPED ZINC-COATED GALVANIZED STEEL AND SHALL COMPLY WITH SECTION 2304.9.5 OF THE CALIFORNIA BUILDING CODE.
8. FASTENERS AND HARDWARE EXPOSED TO WEATHER SHALL BE HOT DIPPED ZINC-COATED GALVANIZED STEEL AND SHALL COMPLY WITH ASTM 153.
9. SCREWS AND LAG SCREWS SHALL COMPLY WITH ANSI/ASME B18.6.1. PREDRILLED SCREW HOLES SHALL BE 2/3 THE SCREW NOMINAL DIAMETER. MINIMUM SCREW YIELD STRENGTH SHALL BE AS FOLLOWS:

SCREW NOMINAL DIAMETER	YIELD STRENGTH (F_{YB})
¼"	70,000 PSI
5/16"	60,000 PSI
⅜ AND GREATER	45,000 PSI

10. BOLTS:
    A. ALL BOLTS SHALL CONFORM TO ASTM A307, GRADE A.
    B. ALL ANCHOR RODS (ANCHOR BOLTS) SHALL CONFORM TO ASTM F1554, GRADE 36.
    C. BOLT HOLES SHALL NOT BE MORE THAN 1/16" LARGER THAN THE BOLT DIAMETER.
    D. ALL BOLT HEADS AND NUTS BEARING ON WOOD SHALL HAVE STANDARD CUT STEEL WASHERS MEETING THE REQUIREMENTS OF ANSI/ASME B18.22.1 UNDER BOLT HEADS AND NUTS.
    E. RE-TIGHTEN ALL NUTS PRIOR TO CLOSING IN.
11. PROVIDE DOUBLE JOISTS BENEATH ALL PARALLEL WALLS. PROVIDE SOLID BLOCK BENEATH ALL WALLS PERPENDICULAR TO JOISTS.
12. JOISTS OR RAFTERS FRAMING FROM OPPOSITE SIDES OF BEAMS OR WALLS SHALL HAVE A LAP OF 4" OR MORE AND BE SPLICED WITH 4-16d NAILS AS A MINIMUM, UNLESS NOTED OTHERWISE.
13. LAG SCREWS SHALL BE TURNED, NOT DRIVEN, INTO PRE DRILLED HOLES OF 2/3 THE SHANK DIAMETER.
14. PROVIDE FULL BEARING AT END OF ALL BLOCKING, U.N.O.

GENERAL CONTINUED

19. CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOORS OR ROOFS. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT SPECIFIED ON THIS SET OF DRAWINGS. PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT ATTAINED DESIGN STRENGTH OR WHERE OVERLOAD IS ANTICIPATED.
20. STRUCTURAL OBSERVATIONS PERFORMED BY THE STRUCTURAL ENGINEER DURING CONSTRUCTION ARE NOT THE REQUIRED CONTINUOUS AND SPECIAL INSPECTION SERVICES AND DO NOT WAIVE THE RESPONSIBILITY FOR THE INSPECTIONS REQUIRED OF THE BUILDING INSPECTOR OR THE DEPUTY INSPECTOR. OBSERVATIONS ALSO DO NOT GUARANTEE CONTRACTOR'S PERFORMANCE AND SHALL NOT BE CONSIDERED AS SUPERVISION OF CONSTRUCTION.
21. CONTRACTOR SHALL REVIEW SHOP DRAWINGS FOR COMPLETENESS AND COMPLIANCE WITH CONTRACT DOCUMENTS AND SHALL STAMP SHOP DRAWINGS PRIOR TO SUBMISSION TO THE OWNER'S REPRESENTATIVE.
22. ARCHITECT'S / ENGINEER'S REVIEW OF THE SHOP DRAWINGS SHALL NOT BE CONSTRUED AS AN AUTHORIZATION TO DEVIATE FROM CONTRACT DOCUMENTS.
23. SHOP DRAWINGS WILL NOT BE PROCESSED DUE TO INCOMPLETENESS, LACK OF COORDINATION WITH RELEVANT PORTION OF CONTRACT DOCUMENTS, LACK OF CALCULATIONS IF REQUIRED AND WHERE DEVIATIONS, MODIFICATIONS AND SUBSTITUTIONS ARE INDICATED WITHOUT PRIOR WRITTEN APPROVAL FROM THE OWNER'S REPRESENTATIVE.
24. ALLOW SEVEN WORKING DAYS FOR PROCESSING SHOP DRAWINGS OTHER THAN STRUCTURAL STEEL & DESIGN-BUILD ITEMS AFTER RECEIPT BY THE STRUCTURAL ENGINEER. ALLOW FOURTEEN WORKING DAYS FOR PROCESSING STRUCTURAL STEEL & DESIGN-BUILD ITEMS SHOP DRAWINGS. SHOP DRAWINGS AND SUBMITTALS WILL BE REVIEWED A MAXIMUM OF TWO TIMES.
25. THE LATERAL SYSTEM OF THE STRUCTURE IS DESIGNED WITH LATERAL RESTRAINT AT THE GROUND FLOOR. STRUCTURAL FRAMES ARE NOT LATERALLY SELF SUPPORTING UNTIL THE ENTIRE DESIGN LATERAL RESTRAINT FLOOR AND STRUCTURAL WALLS BELOW ARE IN PLACE.
26. DO NOT SPLICE STRUCTURAL MEMBERS UNLESS SPECIFICALLY DETAILED AND INDICATED IN THIS SET OF DRAWINGS. DO NOT PLACE OPENINGS, POCKETS, ETC. IN STRUCTURAL MEMBERS UNLESS SPECIFICALLY DETAILED AND INDICATED IN THIS SET OF STRUCTURAL DRAWINGS. NOTIFY THE STRUCTURAL ENGINEER IF DRAWINGS BY OTHERS REQUIRE MODIFICATIONS TO STRUCTURAL MEMBERS AS SHOWN IN THIS SET OF STRUCTURAL DRAWINGS PRIOR TO PROCEEDING WITH THE WORK.
27. DESIGN LOADS:
   A. DEAD LOADS: CONSIST OF BUILDING SELF-WEIGHT PLUS SUPERIMPOSED DEAD LOADS. REFER TO COMPLETE SET OF DRAWINGS FOR DETERMINING DEAD LOADS.
   B. LIVE LOADS:

AREA	DESIGN LIVE LOAD	REMARK
ROOF	20 PSF	REDUCIBLE

   C. SEISMIC DESIGN LOADS:

SEISMIC IMPORTANCE FACTOR I_p	= 1.0
RISK CATEGORY	= III
a_p	= 2
R_p	= 3
Ω_0	= 1.5
SITE CLASS	= D (DEFAULT)
S_{DS}	= 0.74
SEISMIC DESIGN CATEGORY	= D

INSPECTION / TESTING

1. AN INDEPENDENT TESTING AGENCY AND SPECIAL INSPECTORS SHALL BE RETAINED BY THE OWNER TO PERFORM THE TESTS AND INSPECTION AS REQUIRED BY SECTION 1704 OF THE CALIFORNIA BUILDING CODE. THE CONTRACTOR SHALL PROVIDE ACCESS TO THE SPECIAL INSPECTOR TO THE SITE OR FABRICATION SHOPS AND SHALL FURNISH SAMPLES OF MATERIALS FOR TESTING AS REQUESTED BY THE TESTING AGENCY AND THE GOVERNING CODE.
2. IF INITIAL TESTS OR INSPECTIONS MADE BY THE OWNER'S TESTING AGENCY REVEAL THAT ANY PORTION OF THE WORK DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS, ADDITIONAL TESTS, INSPECTIONS, AND NECESSARY REPAIRS WILL BE MADE AT THE CONTRACTOR'S EXPENSE.
3. PROVIDE CONTINUOUS OR PERIODIC SPECIAL INSPECTION FOR ITEMS NOTED IN "TEST AND INSPECTION LIST", AS REQUIRED PER THE CHAPTER 17 OF THE CALIFORNIA BUILDING CODE AND ALL APPLICABLE AMENDMENTS, UNLESS NOTED OTHERWISE IN SPECIFICATIONS.
4. SPECIAL INSPECTIONS MAY NOT BE REQUIRED WHEN THE WORK IS DONE ON THE PREMISES OF A FABRICATOR REGISTERED AND APPROVED BY THE BUILDING OFFICIAL OR GOVERNING AGENCY HAVING JURISDICTION OVER THE PROJECT TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION.
5. APPROVAL BY THE INSPECTOR OF MATTERS NOT SPECIFICALLY CONSTRUCTED PER THE APPROVED DRAWINGS DOES NOT MEAN THE FAILURE TO COMPLY WITH THE CONSTRUCTION DOCUMENTS HAS BEEN ACCEPTED. ANY DETAIL THAT FAILS TO BE CLEAR OR IS AMBIGUOUS MUST BE REFERRED TO THE STRUCTURAL ENGINEER FOR INTERPRETATION OR CLARIFICATION.
6. INSPECTION AND TESTING REPORTS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER WITHIN SEVEN DAYS OF WHEN THE INSPECTION WAS MADE OR WHEN THE TESTING WAS PERFORMED.
7. THE STRUCTURAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY INSPECTION OR TESTING WHICH DOES NOT COMPLY WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

INSPECTION / TESTING LIST

STRUCTURAL LUMBER							
X	REVIEW PILE MATERIALS, SIZE AND LENGTH						
	SAMPLE & TEST TIMBER CONNECTORS						
X	FABRICATION INSPECTION		GLU-LAM		TRUSSES		OPEN WEB JOIST
P	GENERAL FIELD ERECTION INSPECTION						

NOTES:
C: INDICATES CONTINUOUS INSPECTION
P: INDICATES PERIODIC INSPECTION
X: INDICATES REQUIRED INSPECTION

GENERAL

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. THE OWNER'S REPRESENTATIVE SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
2. INFORMATION SHOWN ON THE DRAWINGS RELATED TO EXISTING CONDITIONS REPRESENTS THE PRESENT KNOWLEDGE, BUT WITHOUT GUARANTEE OF ACCURACY. REPORT CONDITIONS THAT CONFLICT WITH THE CONTRACT DOCUMENTS TO THE OWNER'S REPRESENTATIVE. DO NOT DEVIATE FROM THE CONTRACT DOCUMENTS WITHOUT WRITTEN DIRECTION FROM THE OWNER'S REPRESENTATIVE.
3. DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DRAWINGS. DRAWINGS SHALL NOT BE SCALED.
4. DETAILS IN SHEETS TITLED 'TYPICAL DETAILS', TYPICAL DETAILS AND GENERAL NOTES APPLY TO ALL PARTS OF THE WORK, EXCEPT WHERE SPECIFICALLY DETAILED OR UNLESS NOTED OTHERWISE. THESE DETAILS ARE NOT SPECIFICALLY REFERENCED WHERE THEY OCCUR.
5. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NOTES AND DETAILS ON DRAWINGS AND THESE GENERAL NOTES AND TYPICAL DETAILS ARE IN CONFLICT WITH THE PROJECT SPECIFICATIONS THE MOST STRINGENT SHALL APPLY. CONDITIONS NOT SPECIFICALLY SHOWN SHALL BE CONSTRUCTED AS SHOWN FOR SIMILAR WORK.
6. ALL WORK SHALL CONFORM TO THE STANDARDS OF THE FOLLOWING:

   CALIFORNIA BUILDING CODE, 2019 EDITION

   AND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING BUT NOT LIMITED TO CALIOSHA, DIVISION OF OCCUPATIONAL SAFETY AND HEALTH, AND THOSE CODES AND STANDARDS LISTED IN THE CONTRACT DOCUMENTS.
7. SPECIFICATIONS, CODES, AND STANDARDS NOTED IN THE CONTRACT DOCUMENTS SHALL BE OF THE LATEST APPROVED ISSUE, INCLUDING SUPPLEMENTS, UNLESS OTHERWISE NOTED. MATERIAL SPECIFICATIONS SHALL COMPLY WITH ASTM REFERENCED STANDARDS LATEST EDITION.
8. MANUFACTURED MATERIALS SHALL BE APPROVED BY THE CHECKING AGENCY PRIOR TO THEIR USE. ALL REQUIREMENTS OF THOSE APPROVALS SHALL BE FOLLOWED.
9. SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:
   A. SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS.
   B. SIZE AND LOCATION OF ALL NON-BEARING PARTITIONS.
   C. SIZE AND LOCATION OF ALL CONCRETE CURBS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS, CHANGES IN LEVEL, CHAMFERS, GROOVES, INSERTS, ETC.
   D. EXTERIOR WALL SYSTEM.
   E. SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS.
   F. STAIR FRAMING AND DETAILS.
   G. DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.
10. SEE MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR THE FOLLOWING:
    A. PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL, ROOF AND FLOOR OPENINGS, ETC., NOT SHOWN OR NOTED.
    B. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS.
    C. ANCHORAGE AND BRACING FOR ELECTRICAL, MECHANICAL OR PLUMBING EQUIPMENT TO THE STRUCTURE.
    D. ANCHOR BOLTS FOR EQUIPMENT MOUNTS.
    E. SIZE, WEIGHT, AND LOCATION OF MACHINE AND EQUIPMENT BASES.
11. OPENINGS, POCKETS, ETC. SHALL NOT BE PLACED IN STRUCTURAL MEMBERS UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS. NOTIFY THE STRUCTURAL ENGINEER OF RECORD WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC., NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN STRUCTURAL MEMBERS.
12. STAIR FRAMING, HANDRAILS, CLADDING SYSTEMS, METAL STUD FRAMING, MEP EQUIPMENT AND PIPING, ANCHORAGE/BRACING AND ANY OTHER DESIGN-BUILD ELEMENTS, WHEN NOT SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS, SHALL BE THE DESIGN RESPONSIBILITY OF THE CONTRACTOR AND MAY BE SUPPORTED BY THE PRIMARY STRUCTURE. CONTRACTOR SHALL PROVIDE AND INSTALL ALL ANCILLARY MEMBERS INCLUDING BUT NOT LIMITED TO BEAMS, COLUMNS, POSTS, FOOTINGS, STIFFENERS, GUSSETS, KICKERS, BRACES, ETC., AND THE ATTENDANT CONNECTIONS, AS REQUIRED BY THE STRUCTURAL ENGINEER OF RECORD, TO SUPPORT LOADS IMPOSED BY THE STAIR FRAMING AND DESIGN-BUILD ELEMENTS ON THE PRIMARY STRUCTURE. DESIGN AND DETAILING OF THESE ELEMENTS SHALL BE DEVELOPED AND STAMPED BY A LICENSED STRUCTURAL ENGINEER IN THE STATE OF CALIFORNIA. CONTRACTOR SHALL SUBMIT THE CALCULATIONS, DRAWINGS AND DESIGN TO THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW AND TO THE GOVERNING AGENCY FOR PERMITTING AND APPROVAL PRIOR TO STARTING FABRICATION. CONTRACTOR SHALL OBTAIN ALL PERTINENT PERMITS PRIOR TO STARTING FABRICATION. STAIR FRAMING AND DESIGN-BUILD ELEMENTS SHALL BE DESIGNED TO AVOID TORSIONAL LOADS INTO THE PRIMARY STRUCTURE. ENGINEER RESPONSIBLE FOR THE DESIGN OF STAIRS IS ALSO RESPONSIBLE FOR PROVIDING STRUCTURAL OBSERVATIONS FOR THE DESIGN-BUILD ITEMS.
13. CONTRACTOR SHALL CAREFULLY REVIEW THE DRAWINGS TO IDENTIFY THE EXTENT OF THE SCOPE OF WORK. VISIT THE SITE TO RELATE THE SCOPE OF WORK TO EXISTING CONDITIONS AND DETERMINE THE EXTENT TO WHICH THOSE CONDITIONS AND PHYSICAL SURROUNDINGS WILL IMPACT THE WORK.
14. THE CONTRACTOR SHALL RESOLVE ANY CONFLICTS ON THE CONSTRUCTION DOCUMENTS WITH THE OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH THE WORK.
15. UNLESS NOTED OTHERWISE, COLUMNS, WALLS, BEAMS, FOOTINGS, ETC, ARE CENTERED AT GRIDLINES. WHERE BEAM TO BEAM SPACING IS NOT SHOWN, BEAM SHALL BE EQUALLY SPACED BETWEEN GRIDLINES.
16. ANY DEVIATION FROM THE APPROVED SET OF STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE FOR REVIEW/APPROVAL BEFORE PROCEEDING WITH THE WORK. SUBSTITUTIONS OF PRODUCTS OR MATERIALS SPECIFIED ON THE CONSTRUCTION DOCUMENTS ARE NOT ALLOWED WITHOUT OWNER'S REPRESENTATIVE'S APPROVAL.
17. THE CONTRACT DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE MEANS, METHOD, TECHNIQUES, SEQUENCE AND PROCEDURE OF CONSTRUCTION AS REQUIRED. SITE VISITS PERFORMED BY THE OWNER'S REPRESENTATIVE DO NOT INCLUDE INSPECTIONS OF MEANS AND METHODS OF CONSTRUCTION PERFORMED BY CONTRACTOR.
18. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY SHORES, BRACES AND GUYS REQUIRED TO SUPPORT ALL LOADS TO WHICH THE BUILDING STRUCTURE AND COMPONENTS, SOILS, OTHER STRUCTURES AND UTILITIES MAY BE SUBJECTED DURING CONSTRUCTION. SHORING SYSTEMS SHALL BE DESIGNED AND STAMPED BY A CIVIL OR STRUCTURAL ENGINEER LICENSED IN THE STATE OF CALIFORNIA. VISITS TO THE SITE BY THE OWNER'S REPRESENTATIVE WILL NOT INCLUDE OBSERVATION OF THE ABOVE NOTED ITEMS.

REGISTERED PROFESSIONAL ENGINEER — JOHN MARTIN — No. S6869 — CIVIL — STATE OF CALIFORNIA
DATE SIGNED: 10/12/2022

JOHN A. MARTIN & ASSOCIATES
Structural Engineers
950 S. Grand Avenue
Los Angeles, Calif. 90015
Phone (213) 483-6490
Fax (213) 483-3094
J21322

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

ARCHITECT SC inc.
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM
LICENSED ARCHITECT — STEPHEN J. CORBIN — No.C-16788 — REN 11.30.07 — STATE OF CALIFORNIA
STEPHEN J. CORBIN, NCARB, 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.

KERN HIGH SCHOOL DISTRICT — Tradition of Excellence — Est 1892

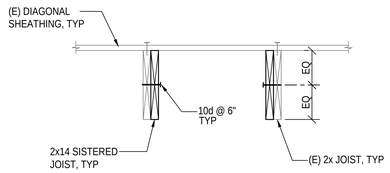
GENERAL NOTES

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. J21322
DRAWN : JAMA
CHECKED : JAMA
DATE : 10/12/22

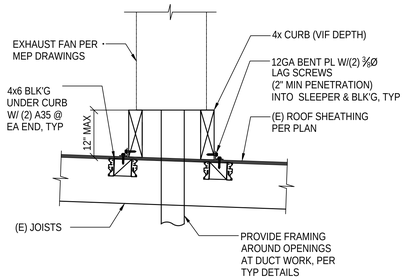
S

0.1 OF SHEETS

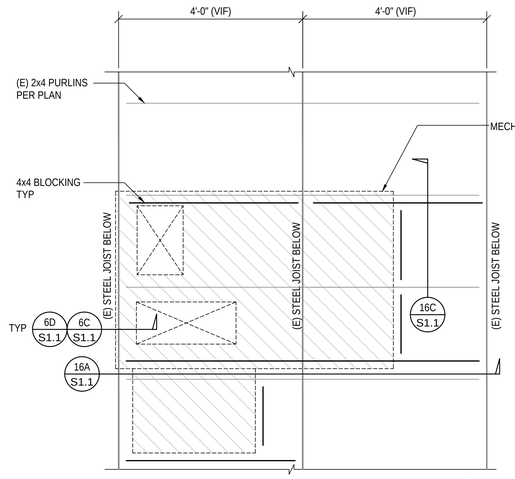


NOTE:
SISTER JOIST FOR FULL LENGTH OF EXISTING JOIST SPAN. JOIST MAY BE INSTALLED FROM BELOW WITHOUT REMOVING ROOF MATERIALS.

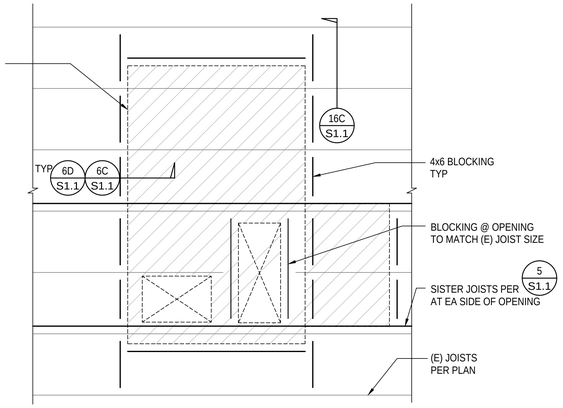
SISTER JOIST DETAIL 5
1" = 1'-0"



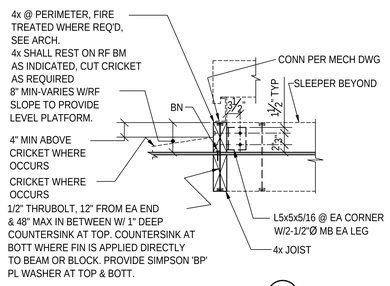
EXHAUST FAN ANCHORAGE 4
NTS



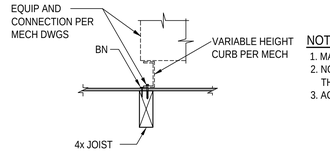
MECH EQUIP AT STEEL FRAMING A



MECH EQUIP AT WOOD FRAMING B



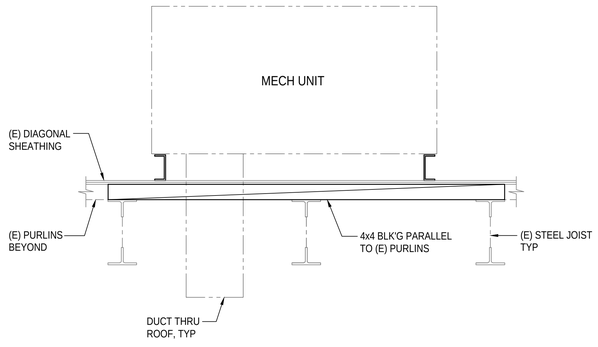
AT LEVEL CURB C



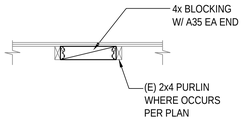
AT PREFAB VARIABLE HEIGHT CURB D

NOTES
1. MAX WEIGHT OF MECH EQUIP = 1800lb. (INCLUDING WEIGHT OF CURB)
2. NO MORE THAN ONE UNIT SHALL BE SUPPORTED BY THE SAME MEMBERS.
3. ACTUAL DUCT OPENING MAY VARY. COORDINATE W/ MECH.

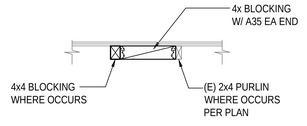
TYPICAL ROOF EQUIPMENT SUPPORT FRAMING 6
NTS



EQUIPMENT BLOCKING @ STEEL FRAMING 16A



BLOCKING @ WOOD FRAMING 16B



EQUIPMENT BLOCKING @ WOOD FRAMING 16C

REGISTERED PROFESSIONAL ENGINEER JOHN MARTIN No. S6869 STRUCTURAL STATE OF CALIFORNIA
DATE SIGNED: 10/12/2022

MARTIN & associates
JOHN A. MARTIN & ASSOCIATES
Structural Engineers
950 S. Grand Avenue
Los Angeles, Calif. 90015
Phone (213) 483-6490
Fax (213) 483-3084
J21322

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

ARCHITECT SC INC.
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM
LICENSED ARCHITECT STEPHEN J. CORBIN No.C-16788 REN 11/30/23 STATE OF CALIFORNIA
STEPHEN J. CORBIN, NCARB, AIA, LEED BD+C-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.

KERN HIGH SCHOOL DISTRICT Tradition of Excellence Est. 1893

TYPICAL DETAILS

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO.	J21322
DRAWN :	JAMA
CHECKED :	JAMA
DATE :	10/12/22

S

1.1
OF SHEETS

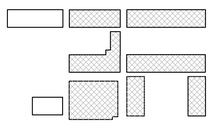
ROOF FRAMING PLANS
1/8" = 1'-0"

FRAMING NOTES

1. REFER TO GENERAL NOTES AND TYPICAL DETAILS ON SHEETS S0.1 AND S1.1.
2. REFER TO AND CHECK WITH ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.
3. REFER TO AND CHECK WITH MECHANICAL DRAWINGS FOR DUCT OPENINGS, EQUIPMENT SIZE AND LOCATION, ETC. LOCATE SUPPORTING MEMBERS ACCORDINGLY.
4. HATCHED AREA INDICATES MECHANICAL UNIT. COORDINATE LOCATION WITH MECHANICAL DRAWINGS.
5. XXX / 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 (LBS)
AC-1	850
AC-2	425
AC-3	850

KEY PLAN



PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

ARCHITECT SC INC.
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM
LICENSED ARCHITECT STEPHEN J. CORBIN No.C-16788 REN.11/30/24 STATE OF CALIFORNIA
STEPHEN J. CORBIN, NCARB, 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.

KERN HIGH SCHOOL DISTRICT Tradition of Excellence Est. 1914

ROOF FRAMING PLANS

MARK	DATE	REVISIONS
1		
2		
3		

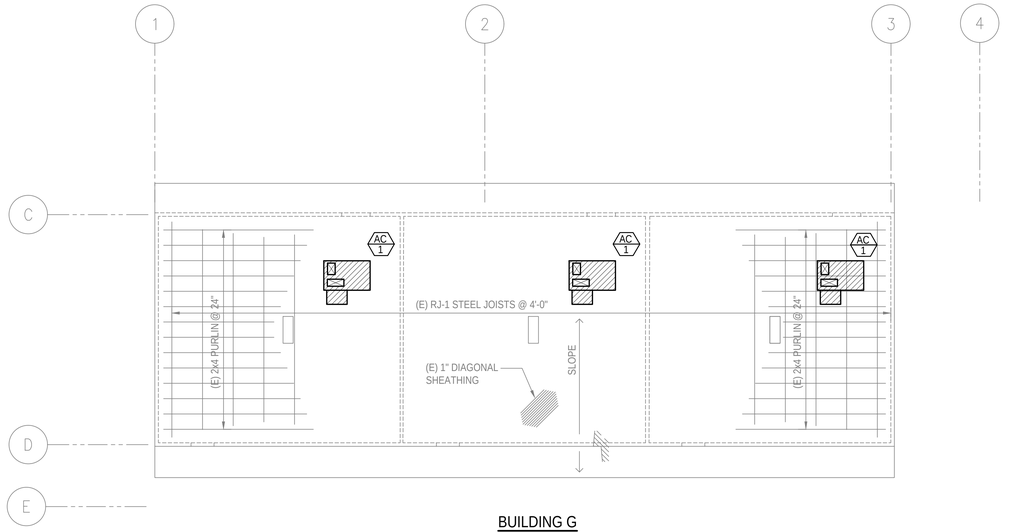
REGISTERED PROFESSIONAL ENGINEER JOHN MARTIN No. S6869 STRUCTURAL STATE OF CALIFORNIA
DATE SIGNED: 10/12/2022

MARTIN & associates
JOHN A. MARTIN & ASSOCIATES
Structural Engineers
950 S. Grand Avenue
Los Angeles, Calif. 90015
Phone (213) 483-6490
Fax (213) 483-3084
J21322

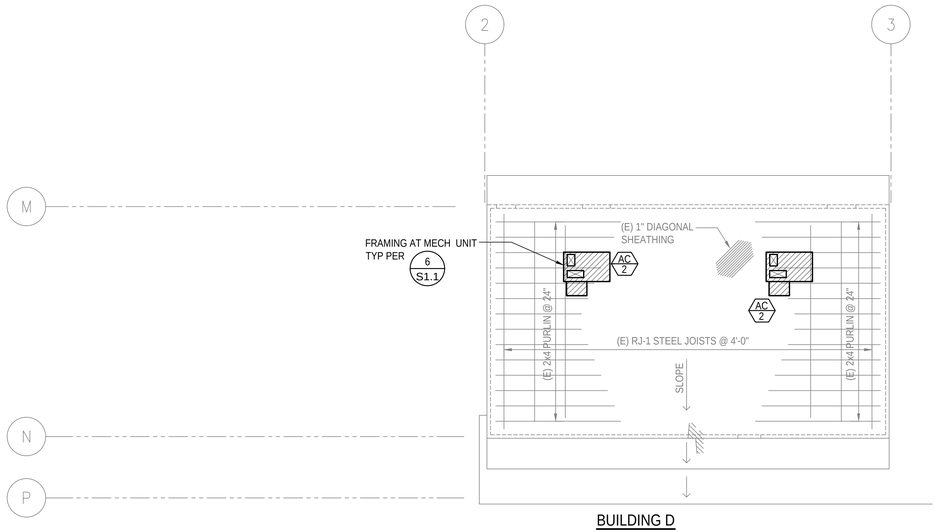
JOB NO.
J21322
DRAWN : JAMA
CHECKED : JAMA
DATE : 10/12/22

S

2.0 OF SHEETS



BUILDING G



BUILDING D

ROOF FRAMING PLANS
1/8" = 1'-0"

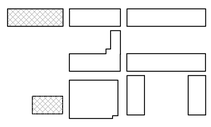
N A

FRAMING NOTES

1. REFER TO GENERAL NOTES AND TYPICAL DETAILS ON SHEETS S0.1 AND S1.1.
2. REFER TO AND CHECK WITH ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS.
3. REFER TO AND CHECK WITH MECHANICAL DRAWINGS FOR DUCT OPENINGS, EQUIPMENT SIZE AND LOCATION, ETC. LOCATE SUPPORTING MEMBERS ACCORDINGLY.
4. HATCHED AREA INDICATES MECHANICAL UNIT. COORDINATE LOCATION WITH MECHANICAL DRAWINGS.
5. XXX / 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 (LBS)
AC-1	850
AC-2	425
AC-3	850

KEY PLAN



REGISTERED PROFESSIONAL ENGINEER JOHN MARTIN No. S6869 STRUCTURAL STATE OF CALIFORNIA
DATE SIGNED: 10/12/2022

MARTIN & associates
JOHN A. MARTIN & ASSOCIATES
Structural Engineers
950 S. Grand Avenue
Los Angeles, Calif. 90015
Phone (213) 483-6490
Fax (213) 483-3084
J21322

PTN □3321- FILE□5-6

FRANKLIN ELEMENTARY SCHOOL

MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

ARCHITECT SCA INC.
1601 NE□ STINE ROAD, SUITE 2□0
BAKERSFIELD, CA □330□
PH□661□3□□43□□
FAX□661□3□□43□□
□□□.SCARCHITECT.COM

LICENSED ARCHITECT STEPHEN J. CORBIN No.C-16788 REN 11/30/23 STATE OF CALIFORNIA

STEPHEN □CORBIN, NCARB, AIA, LEED ®-AP

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING □ITH THE □ORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.

KERN HIGH SCHOOL DISTRICT Tradition of Excellence Est. 1893

ROOF FRAMING PLANS

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. □1322
DRA□N □ □AMA
CHECKED □ □AMA
DATE □ 10/12/22

S

2.1 OF SHEETS

TITLE 24 MECHANICAL & PLUMBING REQUIREMENTS (CODE REFERENCES ARE TO 2019 BUILDING ENERGY EFFICIENCY STANDARDS):

1. All air cooled HVAC units shall have minimum efficiencies per Table 110.2-A.
2. All furnaces shall have minimum efficiencies per Table 110.2-J.
3. All furnaces shall have stand by loss controls per section 110.2 (d).
4. All thermostats shall comply with 110 (b) or (c), as applicable.
5. All HVAC systems shall have outside (ventilation) air per 120.1 (b) 2. Also see mechanical plans for minimum outside air settings. Refer to table on plan.
6. When CO2 ventilation demand controls are specified, provide in accordance with 120.1 C. 4.
7. Minimum ventilation rates shall be initiated one hour prior to scheduled occupancy per 120.1 (c) 2.
8. Each HVAC system shall have shut-off and reset controls complying with 120.2 (e).
9. All outside and exhaust dampers shall automatically close per 120.2 (i).
10. All systems greater than a nominal 54 MBH cooling capacity shall have economizers equipped with fault detection and diagnostics per 120.2 (i).
11. All ductwork insulation shall comply with 120.4.
12. Set up all thermostats with a dead band of no less than three degrees to prevent cycling between heating and cooling.
13. Acceptance tests required prior to granting occupancy. NA refers to Non Residential appendices:
    - Outdoor air ventilation systems per NA 7.5.1.
    - Constant volume single zone system controls per NA 7.5.2.
    - Air economizers per NA 7.5.4.
    - Demand control (CO2) controls, when required, per NA 7.5.5.
    - Fault Detection & diagnostics (FDD) per NA 7.5.11.

Equipment Anchorage Notes:

All Mechanical, Plumbing, and Electrical components shall be anchored and installed per the details on the DSA approved construction documents. 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 Chapters 13, 26 and 30.

1. All permanent equipment and components.
2. Temporary, movable or mobile 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 a flexible cable.
3. Temporary, moveable or mobile equipment which is heavier than 400 pounds or has a center mass located 4 feet or more above the adjacent floor or roof level that directly support the component are 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 transverse and longitudinal directions:

A. Components weighing less than 400 pounds and have a center of mass located 4 feet or less above the adjacent floor or roof level that directly support the component.
B. Components weighing less than 20 pounds, or in the case of distributed systems, less than 5 pounds per foot, which are suspended from a roof or floor or hung from a wall.

The anchorage of all Mechanical, Electrical and Plumbing components shall be subject to the 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 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 Section 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#) #_____.

Codes:

California Code of Regulations (C.C.R)
Part 1 - 2019 California Standards Administrative Code, Title 24, C.C.R.
Part 2 - 2019 California Building Code (C.B.C.), Title 24, C.C.R. Volumes 1-3.
Part 3 - 2019 California Electrical Code, Title 24, C.C.R.
Part 4 - 2019 California Mechanical Code (C.M.C.), Title 24, C.C.R.
Part 5 - 2019 California Plumbing Code (C.P.C.), Title 24, C.C.R.
Part 6 - 2019 California Energy Code, Title 24, C.C.R.
Part 9 - 2019 California Fire Code, Title 24, C.C.R.
Part 11 - 2019 California Green Code, Title 24, C.C.R.

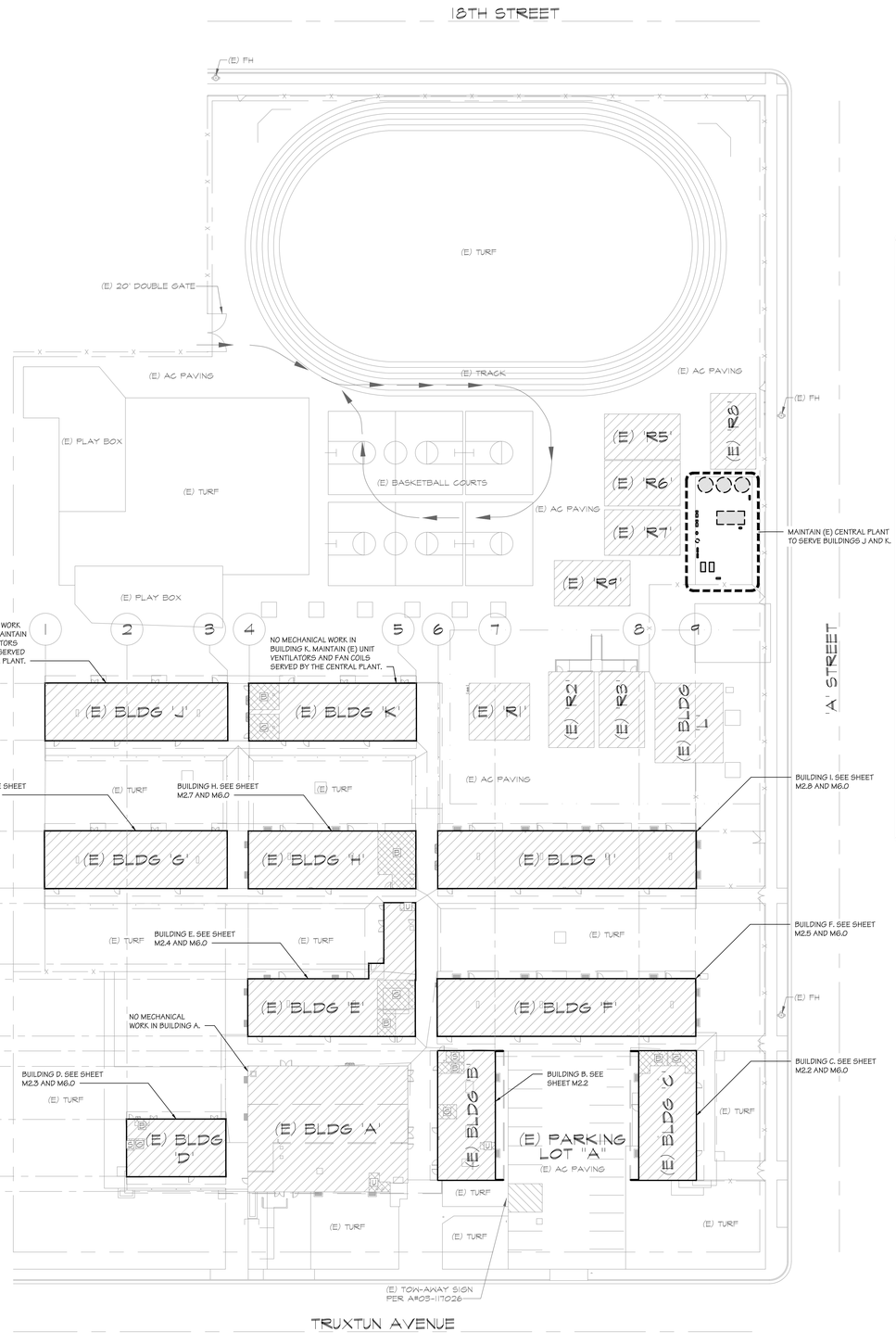
Standards and Guides:

ADAAG - American with Disabilities Act, Accessibility Guidelines.
Fixtures - Plumbing fixtures to comply with table 5.303.6 of the California Green Building Standards - 2019 Edition.

General Project Note:

1. Coordination of work: Layout of materials, equipment and systems is generally diagrammatic unless specifically dimensioned. Some work may be shown offset for clarity. The actual location of all materials, piping, ductwork, fixtures, equipment, supports, etc. shall be carefully planned, prior to installation of any work to avoid all interferences with each other, or with structural, electrical, architectural or other elements. Verify the proper voltage and phase of all equipment with the electrical plans. All conflicts shall be called to the attention of the architect and the engineer prior to the installation of any work or the ordering of any equipment.

2. Cutting, boring, saw cutting or drilling through the new or existing structural elements to be done only when so detailed in the drawings or accepted by the Architect and Structural engineer with the approval of DSA representative.



MECHANICAL SITE PLAN

SCALE: 1"=30'-0"

Air Conditioning Legend

SYMBOL	ABBR.	ITEM	SYMBOL	ABBR.	ITEM
	A.C.	Air Conditioning		H.W.R.	Heating Water Return
	A.D.	Access Door		H.W.S.	Heating Water Supply
	A.F.F.	Above Finished Floor		INT.	Internal
	A.H.	Air Handler		LOC.	Location
	B.A.S.	Building Automation System		M.O.	Motor Operated
	B.V.	Butterfly Valve		(N)	New
	C.D.	Condensate Drain		N.C.	Normally Closed
	C.E.	Ceiling Exhaust Register		N.I.C.	Not in Contract
	C.W.R.	Condensor Water Return		N.O.	Normally Open
	C.W.S.	Condensor Water Supply		O.S.A.	Outside Air
	C.H.W.R.	Chilled/Hot Water Return		O.B.D.	Opposed Blade Damper
	C.H.W.S.	Chilled/Hot Water Supply		P.O.C.	Point of Connection
	COMB.	Combustion		P.P.	Petes Plug
	CONN.	Connection		PROV.	Provide
	CONT.	Continuation		P.R.V.	Pressure Reducing Valve
	C.R.	Ceiling Return Register		SIM.	Similar
	CLG.	Ceiling		S.F.D.	Smoke / Fire Damper w/ access panel
	C.S.	Ceiling Supply Register		S.M. or S/M	Sheet Metal
	C.V.	Check Valve		S.O.V.	Shut Off Valve
	D.C.W.	Domestic Cold Water		S.P.S.T.	Single Pole Single Throw
	DIA.	Diameter		STAT.	Thermostats or Room Sensor
	D.L.	Door Louver		SURF.	Surface
	DN.	Down		(TYP)	Typical
	D.P.D.T.	Double Pole Double Throw		U.G.	Underground
	D.T.R.	Duct Thru Roof		U.N.O.	Unless Noted Otherwise
	(E)	Existing		V.D.	Volume Damper
	E.F.	Exhaust Fan		V.D.	VD. Damper w/ Remote Operator
	E.M.S.	Energy Management System		W/	With
	EX.	Exhaust		W.R.	Wall Return Register
	F.D.	Fire Damper w/ acc. panel		W.S.	Wall Supply Register
	Flex. Conn	Flexible Connection			Duct w/ Acoustic Lining
	FLR.	Floor		T.V.	Turning Vanes
	R.T.R.	Flue Thru Roof			Extractor
	Furn.	Furnace			
	GA.	Gauge			
	GAL.	Gallon			
	GALV.	Galvanized			CO2 SENSOR
	G.P.M.	Gallons per Minute			
	GRD.	Grade			Union
	G.V.	Gate Valve			Reducer or Increaser

EQUIPMENT SCHEDULE

HP-1

Carrier 50GCQM06 Rooftop Heat Pump, 1,800 CFM @ 0.60 E.S.P., 0.66 BHP direct drive supply fan drive vane-axial fan with electrically commutated motor, 1,200 CFM low speed (staged air volume), 61,300 BTUH total / 46,320 sensible gross cooling / 54,860 heating capacity / 16.2 SEER / 11.7 EER / 8.3 HSPF at ARI conditions. Two stage cooling, 5 year compressor warranty, high and low pressure switches, adjustable defrost timer, and anti-short cycle timer. (4) 16" x 16" x 2" MERV 8 return air filters, 10.6 kW electric strip heater factory mounted and wired, single point power connection for heat pump and strip heater. Integrated modulating economizer with dry bulb control, fault diagnostics and detection per T24 regulations, power exhaust fan module, demand control ventilation package with wall mounted CO2 sensor set to 1000 ppm. Adjust outside airflow to modulate between hi-low settings per O.A. schedule on plans. Include information on both settings in air balance report. Provide sperate power feed and disconnect for economizer power exhaust fan. Sloped roof curb with seismic hold down clips, internal high and low compressor protection.

Electrical: 34 MCA / 40 MOCP @ 460v-3ph. (HP Unit) Operating Weight: 816 Lbs.

1.9 MCA / 3.4 MOCP @ 460v-3ph. (Power Exhaust) Curb: 107 lbs.

HP-2

Carrier 50FCQM07 Rooftop Heat Pump, 2,100 CFM @ 0.60 E.S.P., 0.83 direct drive supply fan drive vane-axial fan with electrically commutated motor, 1,400 CFM low speed (staged air volume), 73,450 BTUH total / 55,300 sensible gross cooling / 63,550 heating capacity / 11.2 EER / 15.0 IEER / 3.6 COP at ARI conditions. Two stage cooling, 5 year compressor warranty, high and low pressure switches, adjustable defrost timer, and anti-short cycle timer. (4) 16" x 16" x 2" MERV 8 return air filters, 10.6 kW electric strip heater factory mounted and wired, single point power connection for heat pump and strip heater. Integrated modulating economizer with dry bulb control, fault diagnostics and detection per T24 regulations, power exhaust fan module, demand control ventilation package with wall mounted CO2 sensor set to 1000 ppm. Adjust outside airflow to modulate between hi-low settings per O.A. schedule on plans. Include information on both settings in air balance report. Provide sperate power feed and disconnect for economizer power exhaust fan. Sloped roof curb with seismic hold down clips, internal high and low compressor protection.

Electrical: 31 MCA / 35 MOCP @ 460v-3ph. (HP Unit) Operating Weight: 809 Lbs.

3.5 MCA / 6.3 MOCP @ 460v-3ph. (Power Exhaust) Curb: 107 lbs.

ODU-1 / IDU-1

Carrier 38MARBQ12 / 40MBDQ12. 1/4" and 1/2" refrigerant line set (insulate per manufacturer's requirements), variable speed rotary compressor, ducted indoor fan coil, 295 CFM @ 310 watts, 12,584 BTUH total, 8,396 sensible, 14,894 heating at AHRI conditions, 21.5 SEER / 13.0 EER / 11.5 HSPF, integral condensate lift pump. Indoor fan coil powered from outdoor unit. Field power wiring provided under electrical contract. Control wiring under mechanical contract. 24v interface kit for use with Pelican TS200 thermostat.

Electrical: 15 MOCP @ 208v-1ph. Operating Weight: 73 Lbs. (ODU)
43 lbs. (IDU)

EF-1

Greenbeck SPA-190-VG Ceiling Mounted Exhaust Fan. 178 CFM @ 0.20" E.S.P., 1400 RPM, 48 watts, 1.5 sones. Provide with backdraft damper, full size discharge to roof cap, and NEMA-1 toggle switch. Interlock fan operation with light circuit. Dial on fan speed control with time delay set to fifteen minutes.

Electrical: 6 Watts @ 115v-1ph. Operating Weight: 17 Lbs.

EF-2

Greenbeck SPA-50-90-VG Ceiling Mounted Exhaust Fan. 90 CFM @ 0.20" E.S.P., 887 RPM, 6 watts ECM motor, 0.7 sones. Provide with backdraft damper, full size discharge to roof cap, and NEMA-1 toggle switch. Interlock fan operation with light circuit. Dial on fan speed control with time delay set to fifteen minutes.

Electrical: 6 Watts @ 115v-1ph. Operating Weight: 12 Lbs.

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN J. CORBIN No.C-16788 REN. 11/30/24 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

MECHANICAL SITE PLAN, NOTES, SCHEDULES

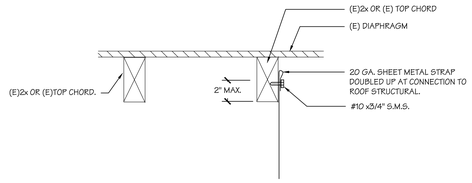
MARK	DATE	REVISIONS
1		
2		
3		

NOT FOR CONSTRUCTION
REGISTERED PROFESSIONAL ENGINEER MARK JAMES BASKIN MECHANICAL STATE OF CALIFORNIA No. M26578 Exp. 9-30-24

BASKIN MECHANICAL ENGINEERS
175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 21145
Plt: 10-07-22

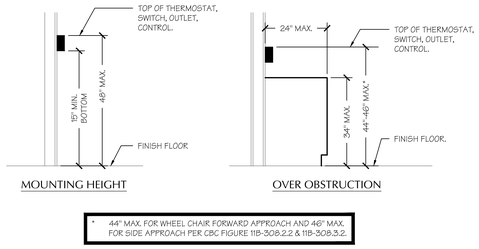
JOB NO. 1316
DRAWN : B.S.
CHECKED : M.B.
DATE : 7/26/21

M
1.0



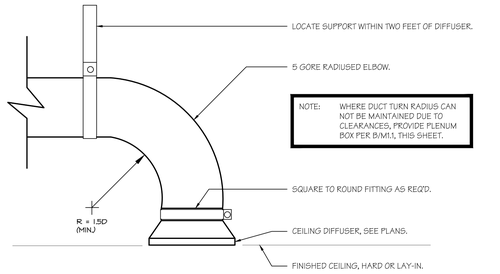
DUCT HANGER UPPER ATTACHMENT (G)

SCALE: N.T.S.



THERMOSTAT MOUNTING LOCATION (D)

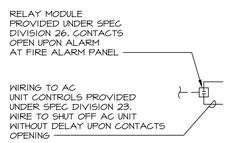
SCALE: N.T.S.



CEILING DIFFUSER/REGISTER CONNECTION (A)

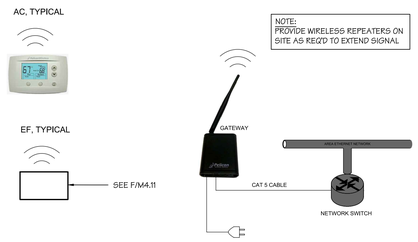
SCALE: N.T.S.

NOTE: RELAY MODULE AT AC UNIT APPLICABLE TO HP-2, BUILDING 'D' ONLY



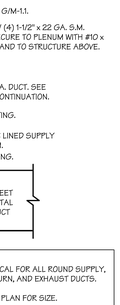
HP UNIT INTERLOCKS WITH FIRE ALARM PANEL (H)

SCALE: N.T.S.



LAN ARCHITECTURE (E)

SCALE: N.T.S.

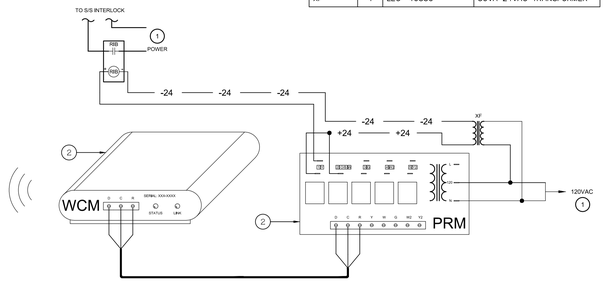


SUPPLY AIR PLENUM & BRANCH TAKE-OFFS (B)

SCALE: N.T.S.

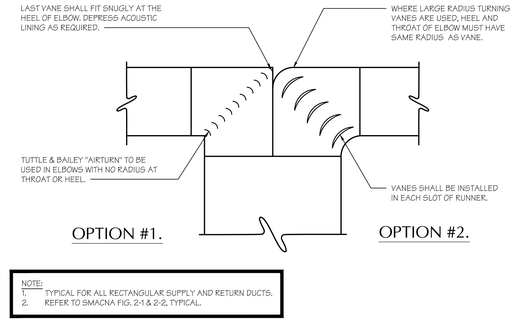
Sheet Notes
1 LINE VOLTAGE & CONDUIT BY DIVISION 26, ELEC. CONTRACTOR
2 INSTALL ABOVE T-BAR CEILING IN CLASSROOM ADJACENT TO FAN LOCATIONS.

Control Components			
TAG	QTY	PART NUMBER	DESCRIPTION
WCM+PRM	1	PEL PM5	WIRELESS RELAY MODULE KIT
RIB	2	FUN RUBU1C	RELAY IN A BOX
XF	1	LEC 16550	50VA 24VAC TRANSFORMER



EX. FAN CONTROL DETAIL (F)

SCALE: N.T.S.



NINETY DEGREE ELBOW (C)

SCALE: N.T.S.

BASKIN MECHANICAL ENGINEERS
175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 21145
Plt: 10-07-22

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

ARCHITECT SCI inc.
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM
LICENSED ARCHITECT STEPHEN J. CORBIN No.C-16788 REN. 11/30/24 STATE OF CALIFORNIA
STEPHEN J. CORBIN, NCARB, 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.

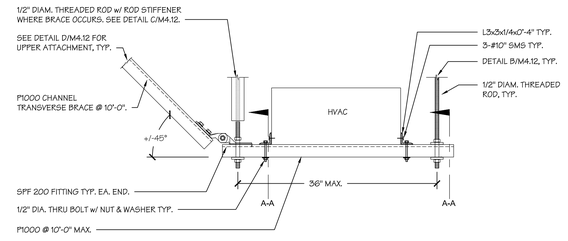
MECHANICAL DETAILS

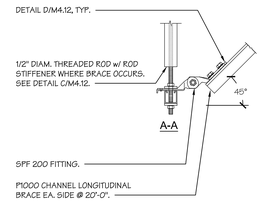
MARK	DATE	REVISIONS
1		
2		
3		

NOT FOR CONSTRUCTION
REGISTERED PROFESSIONAL ENGINEER JAMES BASKIN No. M26578 Exp. 9-30-24 MECHANICAL STATE OF CALIFORNIA

JOB NO.
1316
DRAWN : B.S.
CHECKED : M.B.
DATE : 7/26/21

M
1.1

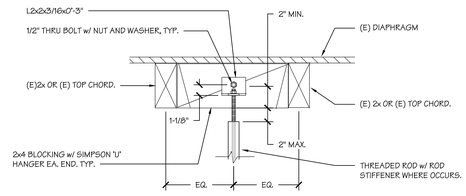




DUCT BRACING DETAIL

SCALE: N.T.S.

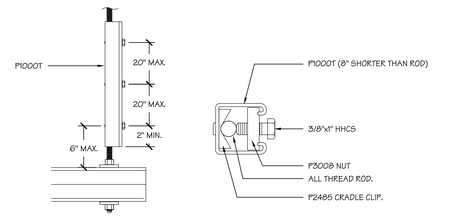
A

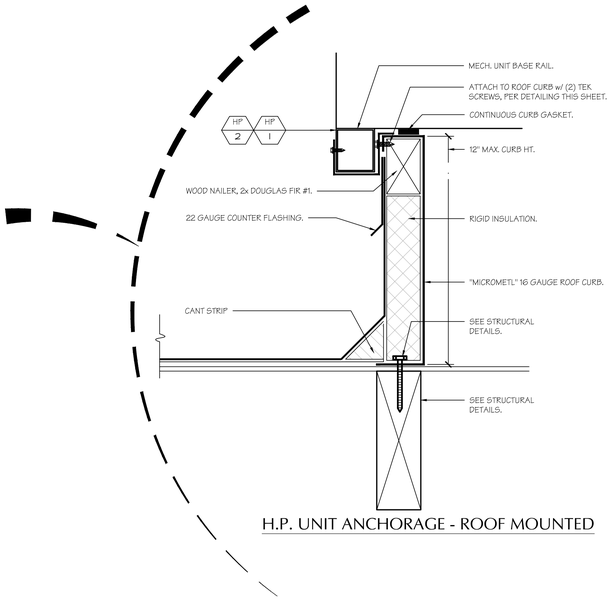


MOUNTING DETAIL

SCALE: N.T.S.

B



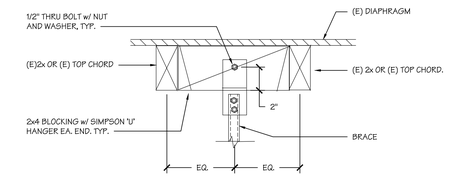


H.P. UNIT ANCHORAGE - ROOF MOUNTED

HANGER ROD REINFORCEMENT

SCALE: N.T.S.

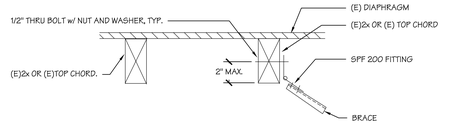
C



DUCT BRACING UPPER ATTACHMENT

SCALE: N.T.S.

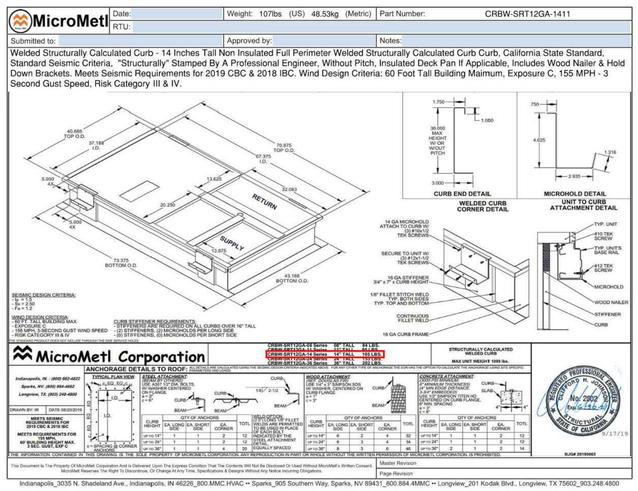
D



DUCT BRACE UPPER ATTACHMENT

SCALE: N.T.S.

E



5,6 TON HP UNIT CURB 816 lb. MAX UNIT WT.

H.P. UNIT ANCHORAGE

SCALE: N.T.S.

F

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

ARCHITECT SCA inc.
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM
LICENSED ARCHITECT STEPHEN J. CORBIN No.C-16788 REN. 11/30/24 STATE OF CALIFORNIA
STEPHEN J. CORBIN, NCARB, 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.

MECHANICAL DETAILS

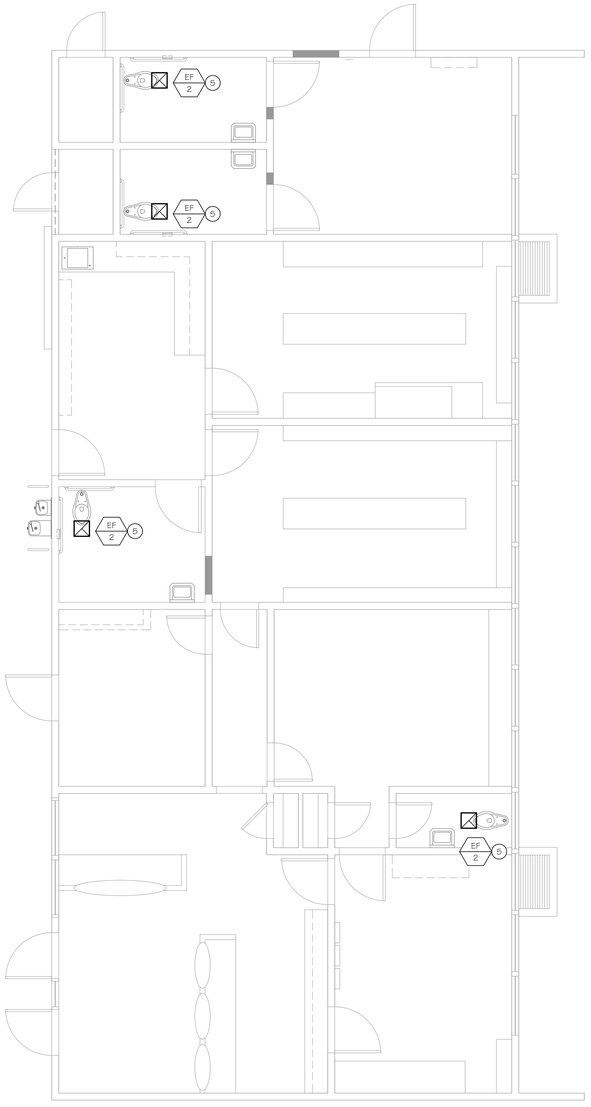
MARK	DATE	REVISIONS
1		
2		
3		

NOT FOR CONSTRUCTION
REGISTERED PROFESSIONAL ENGINEER MARK JAMES HEDDEN No. M26578 Exp. 9-30-24 MECHANICAL STATE OF CALIFORNIA

BME BASKIN MECHANICAL ENGINEERS
175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 21145
Plt: 10-07-22

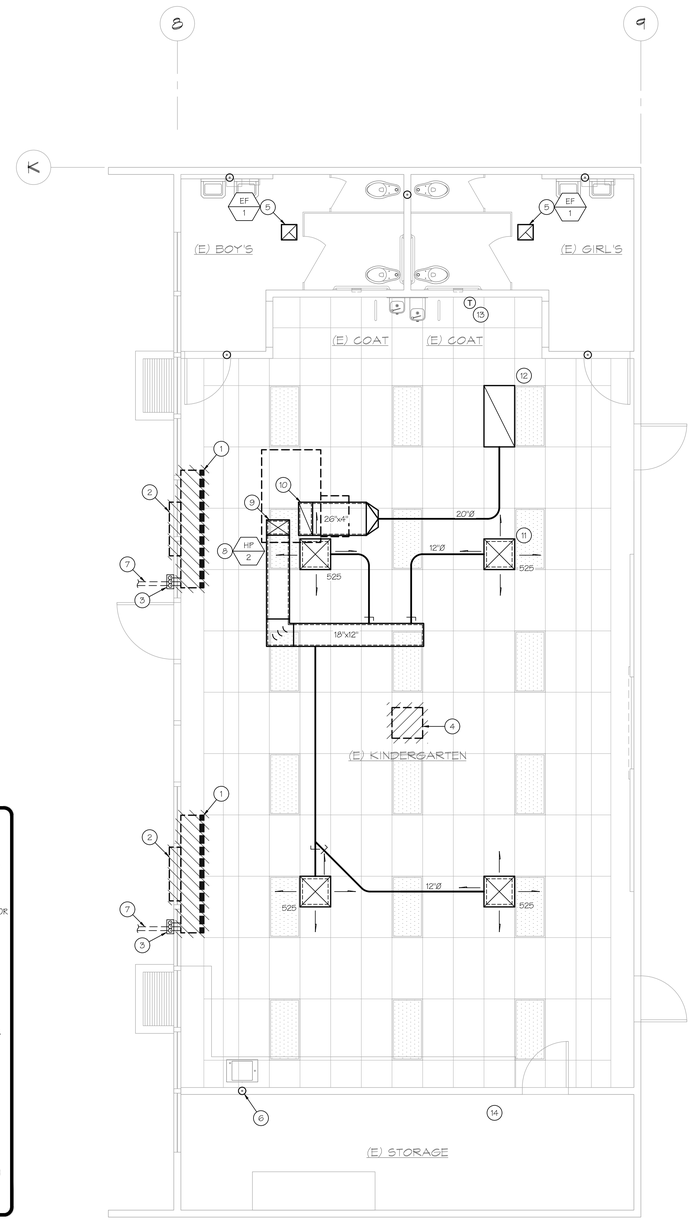
JOB NO. 1316
DRAWN : B.S.
CHECKED : M.B.
DATE : 7/26/21

M
1.2



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, ROOF CURB, DUCTWORK, RELIEF GRILLE, ETC.
5. REMOVE EXISTING EXHAUST FAN AND REPLACE WITH NEW. RE-CONNECT TO EXISTING DUCT DISCHARGE THRU ROOF. MODIFY / PATCH CEILING AS REQUIRED.
6. EXISTING WASTE VENT, TYPICAL. CONFIRM EXACT LOCATION IN FIELD.
7. ABANDON IN PLACE BELOW GRADE SITE HYDRONIC PIPING.
8. ROOF MOUNTED HEAT PUMP UNIT. SEE MECHANICAL ROOF PLAN.
9. 12" X 18" SUPPLY AIR DROP WITH 1" LINER, 14" X 20" NET. PROVIDE MITERED ELBOW AT BOTTOM OF RISER. SEE DETAIL /M- .
10. 26" X 11" RETURN AIR RISER WITH 1" LINER, 28" X 13" NET. PROVIDE MITERED ELBOW AT BOTTOM OF RISER. SEE DETAIL /M- .
11. CD-1, TYPICAL. SEE DETAIL /M- .
12. CR-1 TYPICAL.
13. T-STAT LOCATION TYPICAL. CLASSROOMS USE PELICAN TS250 WITH CO2 SENSOR AND DEMAND CONTROL VENTILATION.
14. NO MECHANICAL WORK IN THIS ROOM.



MECHANICAL PLAN BUILDING 'B'

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

MECHANICAL PLAN BUILDING 'C'

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

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL

MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT
STEPHEN J. CORBIN
No.C-16788
REN. 11/30/24
STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

MECHANICAL PLAN BUILDING 'B' AND 'C'

MARK	DATE	REVISIONS
1		
2		
3		

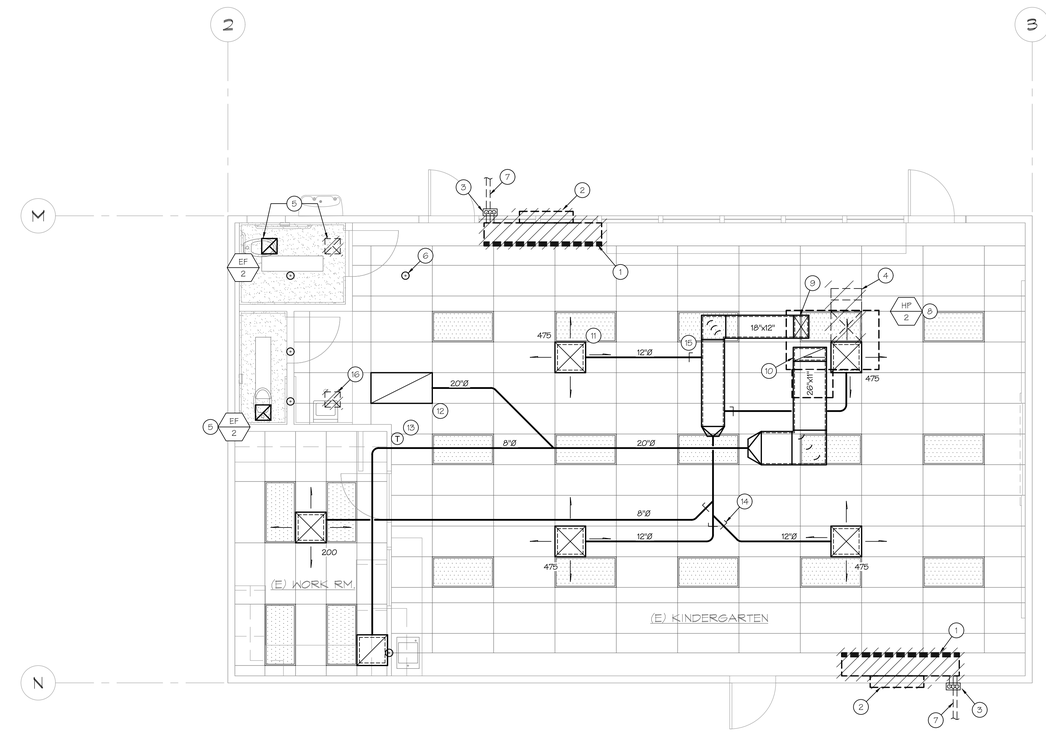
NOT FOR CONSTRUCTION
REGISTERED PROFESSIONAL ENGINEER
MARK JAMES BASKIN
No. M26578
Exp. 9-30-24
MECHANICAL
STATE OF CALIFORNIA

BASKIN MECHANICAL ENGINEERS
175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 21145
Plt: 10-07-22

JOB NO.
1316
DRAWN : B.S.
CHECKED : M.B.
DATE : 7/26/21

M

2.0



MECHANICAL PLAN BUILDING 'D'

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, ROOF CURB, DUCTWORK, RELIEF GRILLE, ETC.
5. REMOVE EXISTING EXHAUST FAN AND REPLACE WITH NEW. RE-CONNECT TO EXISTING DUCT DISCHARGE THRU ROOF. MODIFY / PATCH CEILING AS REQUIRED. CAP ANY UN-USED DUCTS JUST BELOW ROOFLINE.
6. EXISTING WASTE VENT, TYPICAL. CONFIRM EXACT LOCATION IN FIELD.
7. ABANDON IN PLACE BELOW GRADE SITE HYDRONIC PIPING.
8. ROOF MOUNTED HEAT PUMP UNIT. SEE MECHANICAL ROOF PLAN. THIS UNIT TO HAVE AUTOMATIC SHUT OFF PER DETAIL /M- .
9. 12" X 18" SUPPLY AIR DROP WITH 1" LINER, 14" X 20" NET. PROVIDE MITERED ELBOW AT BOTTOM OF RISER. SEE DETAIL /M- .
10. 26" X 11" RETURN AIR RISER WITH 1" LINER, 28" X 13" NET. PROVIDE MITERED ELBOW AT BOTTOM OF RISER. SEE DETAIL /M- .
11. CD-1, TYPICAL. SEE DETAIL /M- .
12. CR-1 TYPICAL.
13. T-STAT LOCATION TYPICAL. CLASSROOMS USE PELICAN TS250 WITH CO2 SENSOR AND DEMAND CONTROL VENTILATION.
14. BRANCH DUCT VOLUME DAMPER, TYP. SEE DETAIL /M- .
15. BRANCH DUCT TAKE-OFF. SEE DETAIL /M- .
16. DEMO EXISTING EXHAUST FAN, DUCT WORK, ETC. CAP DUCT BELOW ROOF LINE.

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL

MODERNIZATION

2400 TRUXTUN AVENUE

FOR

BAKERSFIELD CITY SCHOOL DISTRICT

BAKERSFIELD, KERN COUNTY, CALIFORNIA

ARCHITECT SCA INC.

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

LICENSED ARCHITECT STEPHEN J. CORBIN No.C-16788 REN. 11/30/24 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

MECHANICAL PLAN BUILDING 'D'

MARK	DATE	REVISIONS
1		
2		
3		

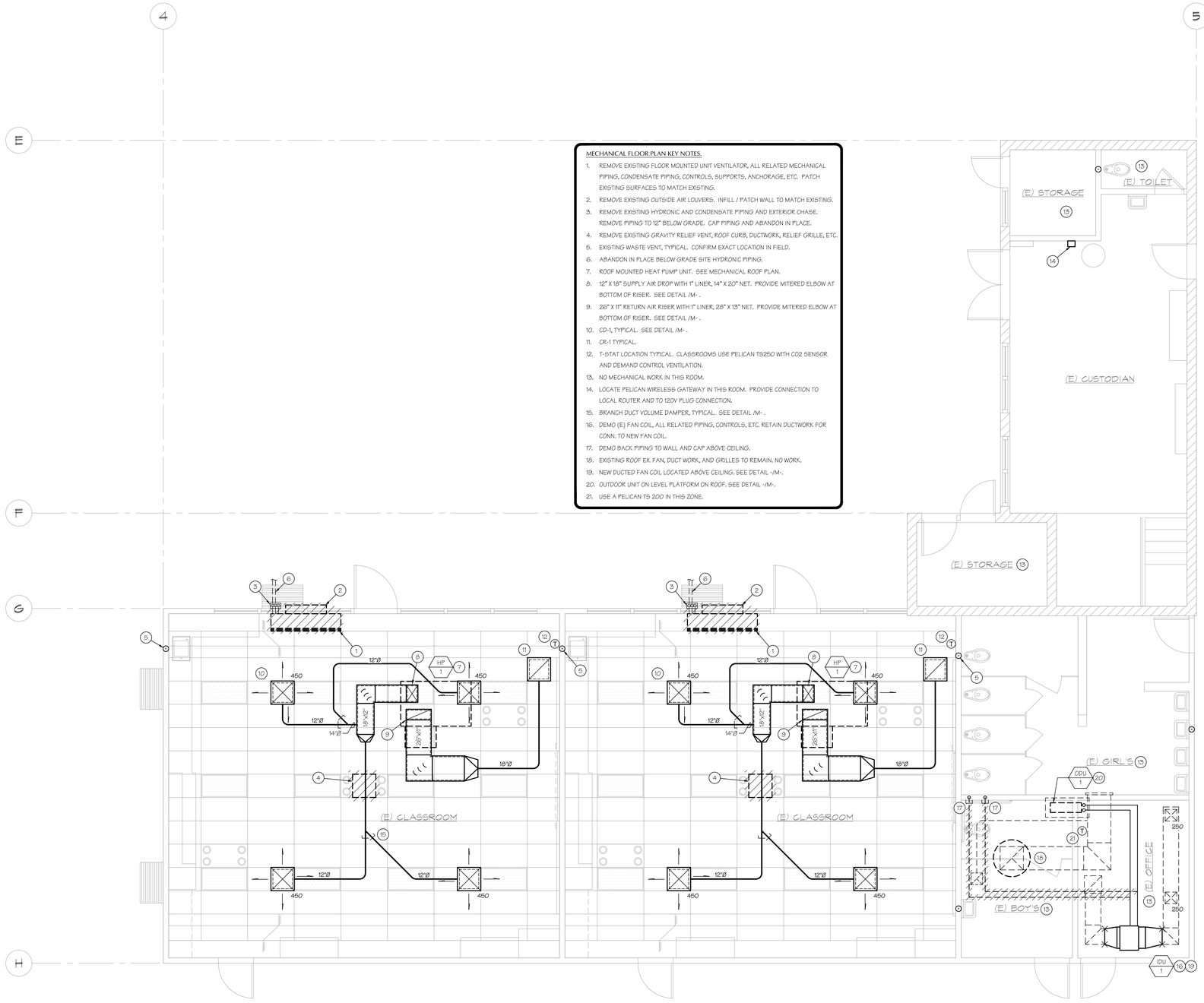
NOT FOR CONSTRUCTION
REGISTERED PROFESSIONAL ENGINEER MARK JAMES BASKIN No. M26578 Exp. 9-30-24 MECHANICAL STATE OF CALIFORNIA

BME BASKIN MECHANICAL ENGINEERS

175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 21145
Plt: 10-07-22

JOB NO. 1316
DRAWN : B.S.
CHECKED : M.B.
DATE : 7/26/21

M
2.1



MECHANICAL PLAN BUILDING 'E'

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

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN J. CORBIN No.C-16788 REN. 11/30/24 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

MECHANICAL PLAN BUILDING 'E'

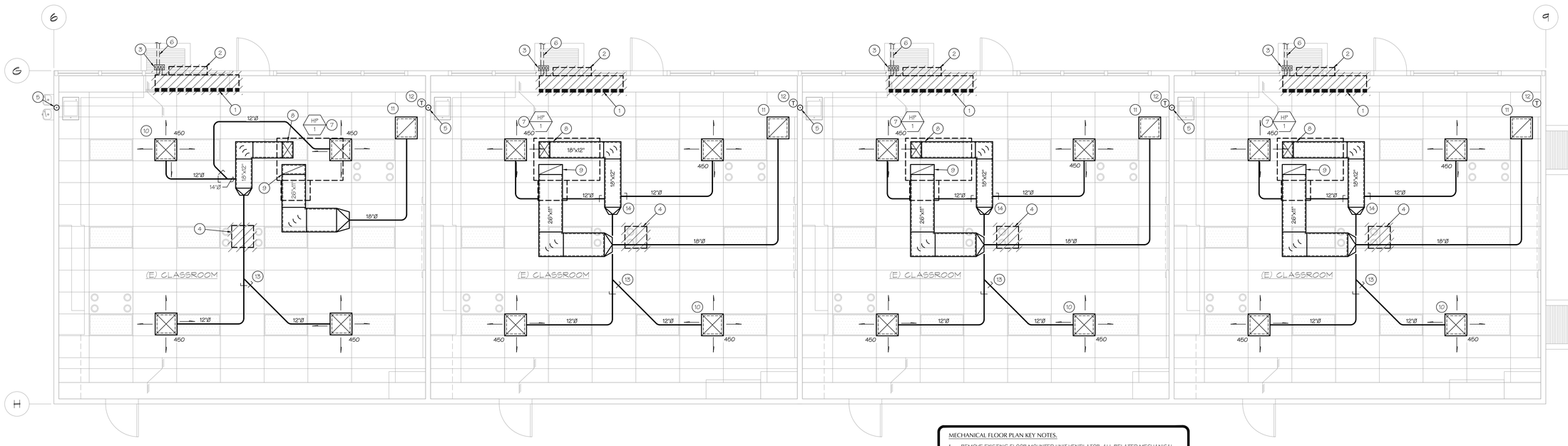
MARK	DATE	REVISIONS
1		
2		
3		

NOT FOR CONSTRUCTION
REGISTERED PROFESSIONAL ENGINEER MARK JAMES ROBINETT No. M26578 Exp. 9-30-24 MECHANICAL STATE OF CALIFORNIA

BASKIN MECHANICAL ENGINEERS
175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 21145
Plt: 10-07-22

JOB NO. 1316
DRAWN : B.S.
CHECKED : M.B.
DATE : 7/26/21

M
2.2



MECHANICAL PLAN BUILDING 'F'

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, ROOF CURB, DUCTWORK, RELIEF GRILLE, ETC.
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 /M- .
9. 26" X 11" RETURN AIR RISER WITH 1" LINER, 28" X 13" NET. PROVIDE MITERED ELBOW AT BOTTOM OF RISER. SEE DETAIL /M- .
10. CD-1, TYPICAL. SEE DETAIL /M- .
11. CR-1 TYPICAL.
12. T-STAT LOCATION TYPICAL. CLASSROOMS USE PELICAN TS250 WITH CO2 SENSOR AND DEMAND CONTROL VENTILATION.
13. BRANCH DUCT VOLUME DAMPER, TYPICAL. SEE DETAIL /M- .
14. BRANCH DUCT TAKE-OFF. SEE DETAIL /M- .

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL

MODERNIZATION

2400 TRUXTUN AVENUE

FOR

BAKERSFIELD CITY SCHOOL DISTRICT

BAKERSFIELD, KERN COUNTY, CALIFORNIA

ARCHITECT S.C. inc.

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

LICENSED ARCHITECT STEPHEN J. CORBIN No.C-16788 REN.11/30/24 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

MECHANICAL PLAN BUILDING 'F'

MARK	DATE	REVISIONS
1		
2		
3		

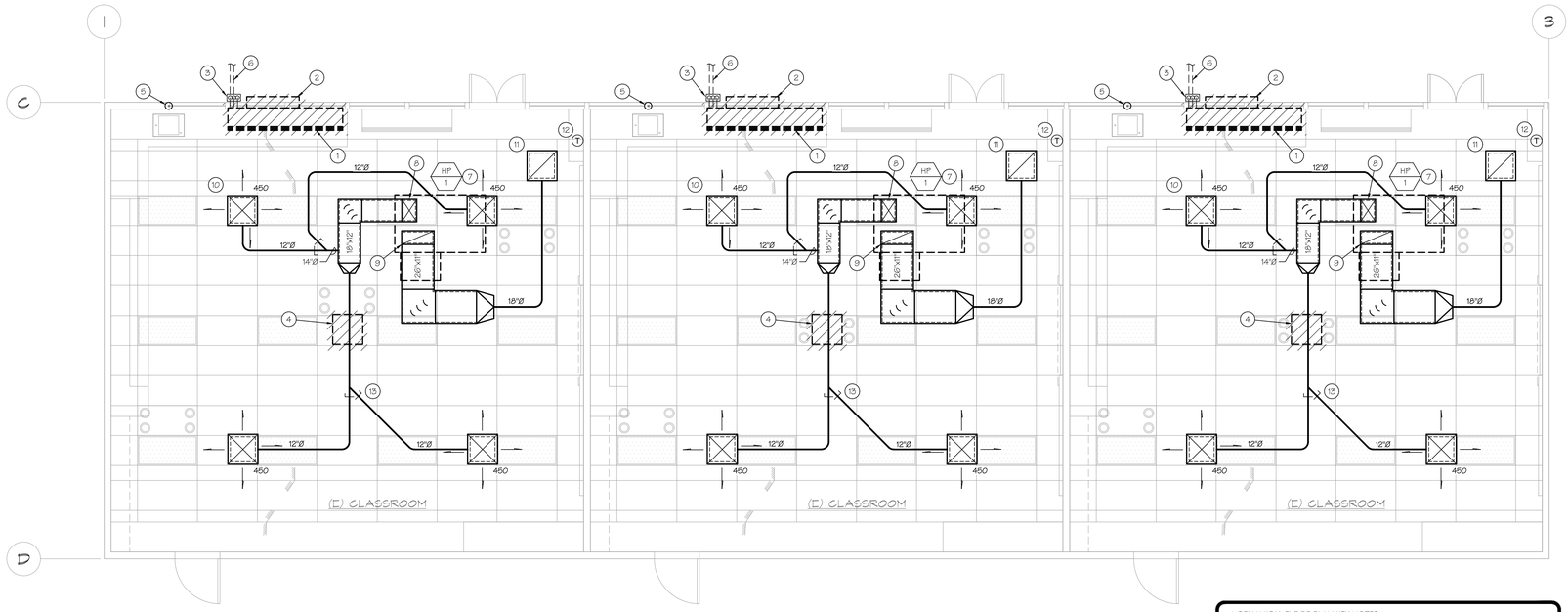
NOT FOR CONSTRUCTION
REGISTERED PROFESSIONAL ENGINEER ADAM JAMES BASKIN No. M26578 Exp. 9-30-24 MECHANICAL STATE OF CALIFORNIA

BASKIN MECHANICAL ENGINEERS
175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 21145
Plt: 10-07-22

JOB NO. 1316
DRAWN : B.S.
CHECKED : M.B.
DATE : 7/26/21

M

2.3



MECHANICAL PLAN BUILDING 'G'

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, ROOF CURB, DUCTWORK, RELIEF GRILLE, ETC.
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 /M- .
9. 26" X 11" RETURN AIR RISER WITH 1" LINER, 28" X 13" NET. PROVIDE MITERED ELBOW AT BOTTOM OF RISER. SEE DETAIL /M- .
10. CD-1, TYPICAL. SEE DETAIL /M- .
11. CR-1 TYPICAL.
12. T-STAT LOCATION TYPICAL. CLASSROOMS USE PELICAN TS250 WITH CO2 SENSOR AND DEMAND CONTROL VENTILATION.
13. BRANCH DUCT VOLUME DAMPER, TYPICAL. SEE DETAIL /M- .

BASKIN MECHANICAL ENGINEERS
175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 21145
Plt: 10-07-22

NOT FOR CONSTRUCTION
REGISTERED PROFESSIONAL ENGINEER
MARK JAMES BASKIN
No. M26578
Exp. 9-30-24
MECHANICAL
STATE OF CALIFORNIA

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL

MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT
STEPHEN J. CORBIN
No.C-16788
REN. 11/30/24
STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, AIA, LEED ®-AP

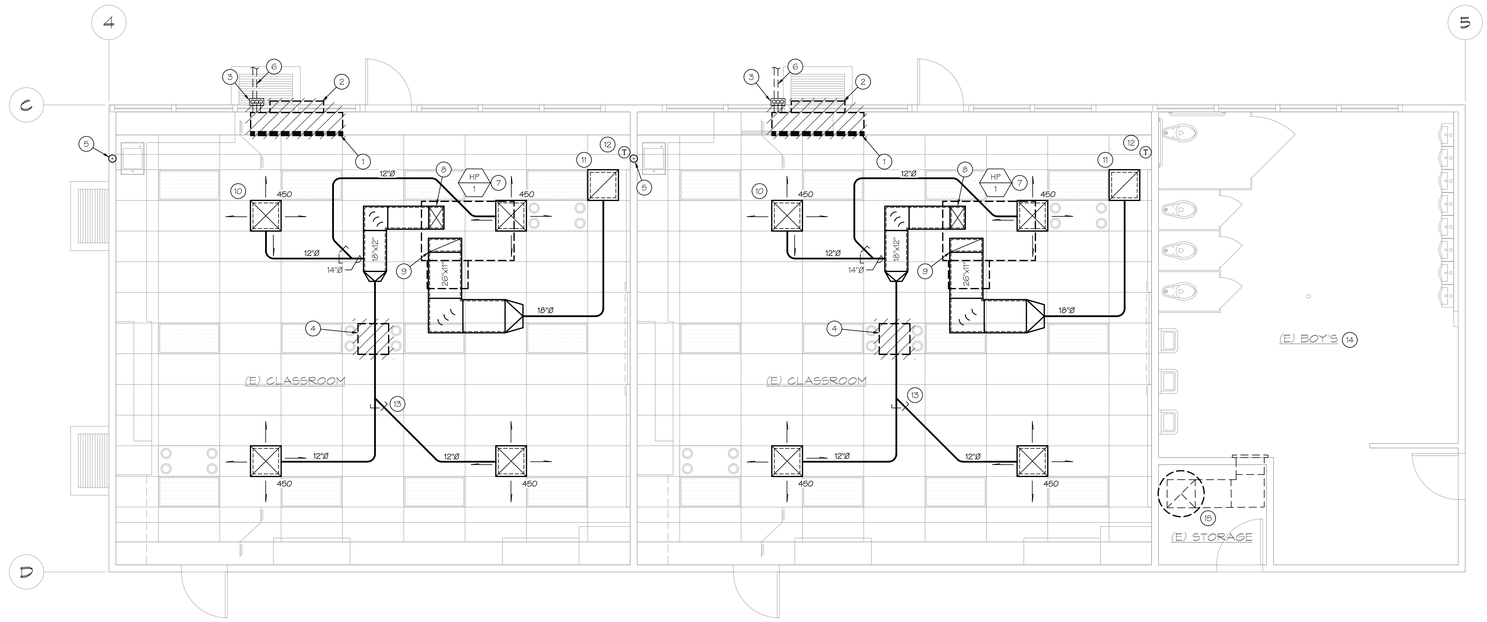
CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.

MECHANICAL PLAN BUILDING 'G'

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN : B.S.
CHECKED : M.B.
DATE : 7/26/21

M
2.4



MECHANICAL PLAN BUILDING 'H'

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, ROOF CURB, DUCTWORK, RELIEF GRILLE, ETC.
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 /M- .
9. 26" X 11" RETURN AIR RISER WITH 1" LINER, 28" X 13" NET. PROVIDE MITERED ELBOW AT BOTTOM OF RISER. SEE DETAIL /M- .
10. CD-1, TYPICAL. SEE DETAIL /M- .
11. CR-1 TYPICAL.
12. T-STAT LOCATION TYPICAL. CLASSROOMS USE PELICAN TS250 WITH CO2 SENSOR AND DEMAND CONTROL VENTILATION.
13. BRANCH DUCT VOLUME DAMPER, TYPICAL. SEE DETAIL /M- .
14. NO MECHANICAL WORK IN THIS ROOM.
15. EXISTING EXHAUST FAN TO REMAIN.

BASKIN MECHANICAL ENGINEERS
175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 21145
Plt: 10-07-22

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL

MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

ARCHITECT SCA inc.
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM
LICENSED ARCHITECT STEPHEN J. CORBIN No.C-16788 REN. 11/30/24 STATE OF CALIFORNIA
STEPHEN J. CORBIN, NCARB, AIA, LEED ®-AP

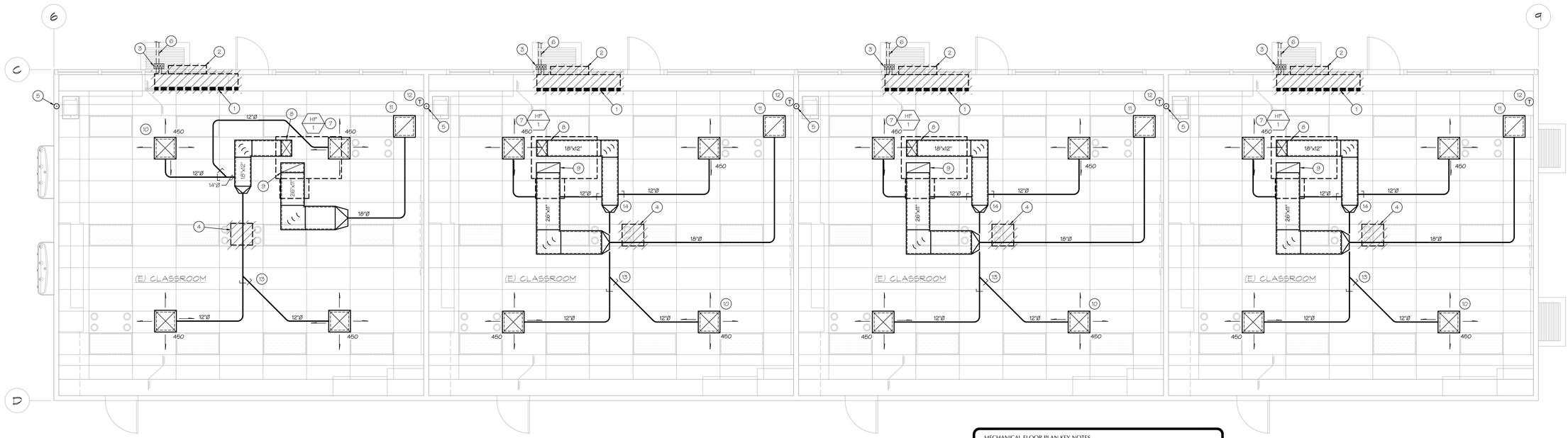
MECHANICAL PLAN BUILDING 'H'

MARK	DATE	REVISIONS
1		
2		
3		

NOT FOR CONSTRUCTION
REGISTERED PROFESSIONAL ENGINEER MARK JAMES BASKIN No. M26578 Exp. 9-30-24 MECHANICAL STATE OF CALIFORNIA

JOB NO.	1316
DRAWN :	B.S.
CHECKED :	M.B.
DATE :	7/26/21

M
2.5



MECHANICAL PLAN BUILDING 'I'

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, ROOF CURB, DUCTWORK, RELIEF GRILLE, ETC.
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 /M- .
9. 26" X 11" RETURN AIR RISER WITH 1" LINER, 28" X 13" NET. PROVIDE MITERED ELBOW AT BOTTOM OF RISER. SEE DETAIL /M- .
10. CD-1, TYPICAL. SEE DETAIL /M- .
11. CR-1 TYPICAL.
12. T-STAT LOCATION TYPICAL. CLASSROOMS USE PELICAN TS250 WITH CO2 SENSOR AND DEMAND CONTROL VENTILATION.
13. BRANCH DUCT VOLUME DAMPER, TYPICAL. SEE DETAIL /M- .
14. BRANCH DUCT TAKE-OFF. SEE DETAIL /M- .

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL

MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT
STEPHEN J. CORBIN
No.C-16788
REN 11/30/24
STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

MECHANICAL PLAN BUILDING 'I'

MARK	DATE	REVISIONS
1		
2		
3		

NOT FOR CONSTRUCTION
REGISTERED PROFESSIONAL ENGINEER
JAMES "JASON" BASKIN
No. M26578
Exp. 9-30-24
MECHANICAL
STATE OF CALIFORNIA

BME BASKIN MECHANICAL ENGINEERS
175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 21145
Plt: 10-07-22

JOB NO. 1316
DRAWN : B.S.
CHECKED : M.B.
DATE : 7/26/21

M
2.6

MECHANICAL ROOF PLAN

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

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL

MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT
STEPHEN J. CORBIN
No.C-16788
REN. 11/30/24
STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

MECHANICAL ROOF PLAN

MARK	DATE	REVISIONS
1		
2		
3		

NOT FOR CONSTRUCTION
REGISTERED PROFESSIONAL ENGINEER
MARK JAMES BASKIN
No. M26578
Exp. 9-30-24
MECHANICAL
STATE OF CALIFORNIA

BASKIN MECHANICAL ENGINEERS
175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 21145
Plt: 10-07-22

JOB NO. 1316
DRAWN : B.S.
CHECKED : M.B.
DATE : 7/26/21

M
6.0

Equipment Anchorage Notes:

All Mechanical, Plumbing, and Electrical components shall be anchored and installed per the details on the DSA approved construction documents. 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 Chapters 13, 26 and 30.

1. All permanent equipment and components.
2. Temporary, movable or mobile 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 a flexible cable.
3. Temporary, moveable or mobile equipment which is heavier than 400 pounds or has a center mass located 4 feet or more above the adjacent floor or roof level that directly support the component are 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 transverse and longitudinal directions:

A. Components weighing less than 400 pounds and have a center of mass located 4 feet or less above the adjacent floor or roof level that directly support the component.
B. Components weighing less than 20 pounds, or in the case of distributed systems, less than 5 pounds per foot, which are suspended from a roof or floor or hung from a wall.

The anchorage of all Mechanical, Electrical and Plumbing components shall be subject to the 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 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 Section 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 0542 nVent CADDY Seismic Bracing for MEP Systems .

Codes:

California Code of Regulations (C.C.R)
Part 1 - 2019 California Standards Administrative Code, Title 24, C.C.R.
Part 2 - 2019 California Building Code (C.B.C.), Title 24, C.C.R. Volumes 1-2.
Part 3 - 2019 California Electrical Code, Title 24, C.C.R.
Part 4 - 2019 California Mechanical Code (C.M.C.), Title 24, C.C.R.
Part 5 - 2019 California Plumbing Code (C.P.C.), Title 24, C.C.R.
Part 6 - 2019 California Energy Code, Title 24, C.C.R.
Part 9 - 2019 California Fire Code, Title 24, C.C.R.
Part 11- 2019 California Green Building Standards Code. Title-24, C.C.R.

Standards and Guides:

ADAAG - American with Disabilities Act, Accessibility Guidelines.
Fixtures - Plumbing fixtures to comply with table 5.303.6 of the California Green Building Standards - 2019 Edition.

PLUMBING LEGEND

SYMBOL	ABBR.	ITEM	SYMBOL	ABBR.	ITEM
	ACC.	ACCESSIBLE	G.W.	GRD.	GRADE
	A.D.	ACCESS DOOR/WALL BOX		G.W.	GREASE WASTE
	A.F.F.	ABOVE FINISHED FLOOR		H.B.	HOSE BIBB
	C.D.	CONDENSATE DRAIN		H.V.(A-C)	AIR CONDITIONING EQPT.
	C.I.	CAST IRON		L.	LAVATORY
	C.L.G.	CEILING		LOC.	LOCATION
	C.O.	CLEANOUT		(N)	NEW
	COMB.	COMBUSTION		N.I.C.	NOT IN CONTRACT
	CONN.	CONNECTION	OR	P.O.C.	POINT OF CONNECTION
	CONT.	CONTINUATION		PROV.	PROVIDE
	C.O.G.	CLEANOUT TO GRADE		P.R.V.	PRESSURE REDUCING VALVE
	(D).C.W.	(DOMESTIC) COLD WATER		R.D.	ROOF DRAIN
	D.H.	DEMO HATCH		R.W.L.	RAINWATER LEADER
	(D)H.W.	(DOMESTIC) HOT WATER		S.	SINK
	(D)H.W.R	(DOMESTIC) HOT WATER RETURN		S.&W.	SOIL AND WASTE
	DN.	DOWN		SIM.	SIMILAR
	DRN.	DRAIN	OR OR	S.O.V.	SHUT OFF VALVE
	(E).	EXISTING		SS	STAINLESS STEEL
	(E)C.W.	EXISTING COLD WATER		S.S.	SERVICE SINK
	(E)H.W.	EXISTING HOT WATER		SURF.	SURFACE
	(E)H.W.R	EXISTING HOT WATER RETURN		T.&P.	TEMPERATURE AND PRESSURE RELIEF
(E)C.D	(E)C.D	EXISTING CONDENSATE DRAIN		T.P.	TRAP PRIMER
	E.D.F.	ELECTRIC DRINKING FOUNTAIN		(TYP)	TYPICAL
	E.W.H.	ELECTRIC WATER HEATER		UR.	URINAL
	F.C.O.	FLOOR CLEANOUT		V.O.	VENT OFFSET
	F.D.	FLOOR DRAIN		V.T.R.	VENT THRU ROOF
	FLR.	FLOOR		(E) W.	EXISTING WASTE
	F.S.	FLOOR SINK		W.	WASTE
G.	G.	GAS		W.C.	WATER CLOSET
(E) G.	(E) G.	EXISTING GAS		W.H.	WATER HEATER
	G.D.	GARBAGE DISPOSAL		W.C.O.	WALL CLEANOUT

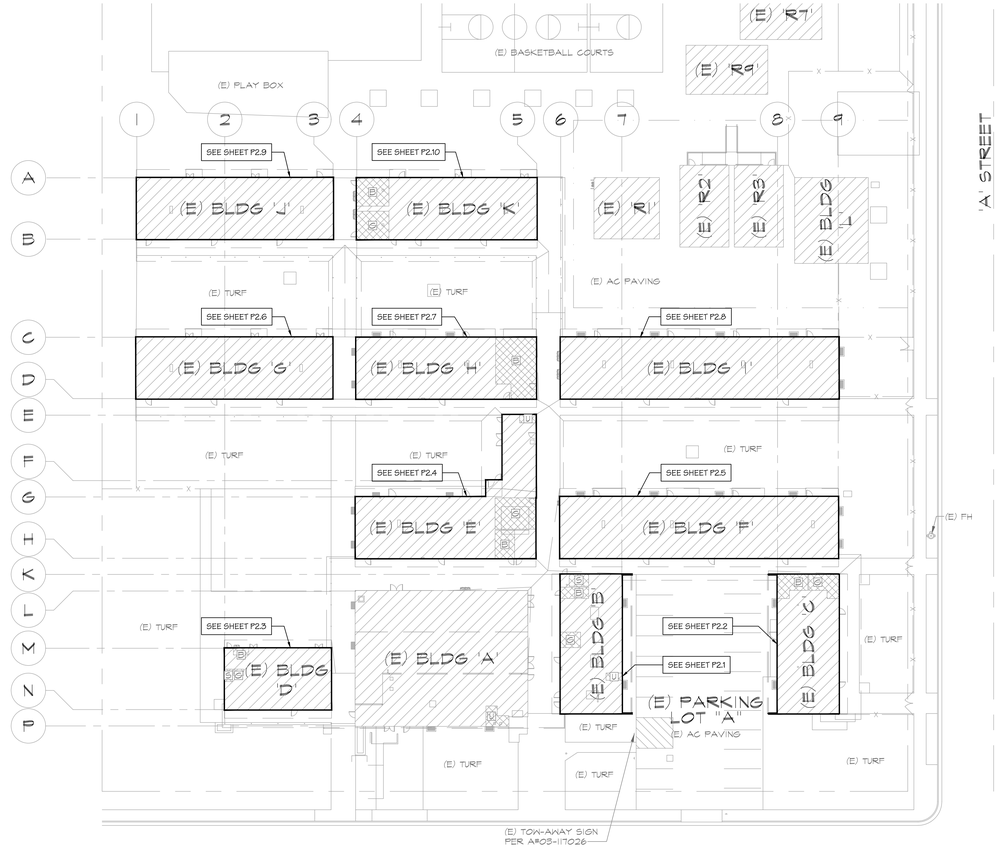
Plumbing Fixture Schedule:

WC-3
Floor mounted 10" high Kindergarten flush-valve water closet, "American Standard" #2282.010 Baby Devoro, "Zurn" # ZER6000AV-HET-CCP battery powered 1.28 GPF sensor flush-valve,"Olsonite" # 126CC open-front white seat, bolt caps, 1-1/4" C.W., (reduce to 1" @ flush-valve), 3" S.&W., 2" V.O., (see plan for trap primer accessory)

L
Wall hung vitreous china accessible lavatory, "Kohler" # K-2007 (21" x 18") Kingston, offset grid drain, "Zurn" #Z6950-XL-S sensor faucet (0.5 GPM), (2) threaded angle wall stops with braided S.S. supplies, 17 ga. C.P. trap/offset tailpiece, 1/2" C.W., 2" W., 2" W.C.O., 1-1/2" V., provide "Zurn" #Z1251 Concealed arm system wall support.

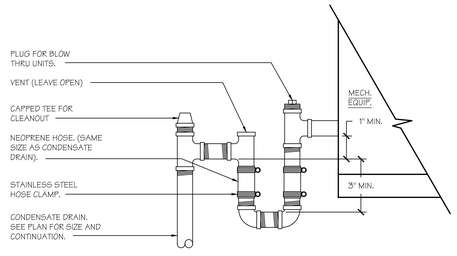
S
Counter mounted stainless steel accessible classroom sink with U-channel type mounting system, "Elkay" # DRKR25172LM with center mounted "Zurn" Z825B1-XL-15F gooseneck faucet and "Haws" # 5054LF bubbler, strainer / grid drain, (2) threaded angled wall stops with braided stainless steel supplies, supplies from each stop (one to bubbler and faucet), 17 ga. C.P. trap/tailpiece, 1/2" C.W., 2" W., 2" W.C.O., 1-1/2" V.O.

DF
"Haws" #1119.14-1920 dual high/low drinking fountain with bottle filler, 14 GA. type 304 SS construction with "Haws" #6700 backing plate and #6800 support carrier. Refer to the architectural drawings for mounting elevations. 1/2" C.W., 2" W., 2" W.C.O. , 2" V.O.



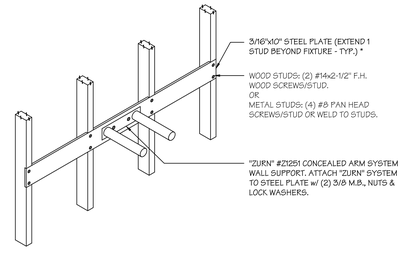
PLUMBING SITE PLAN

SCALE: 1"=30'-0"



CONDENSATE DRAIN CONNECTION — B

SCALE: N.T.S.



LAV. MOUNTING — A

SCALE: N.T.S.

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/23 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

PLUMBING SITE PLAN

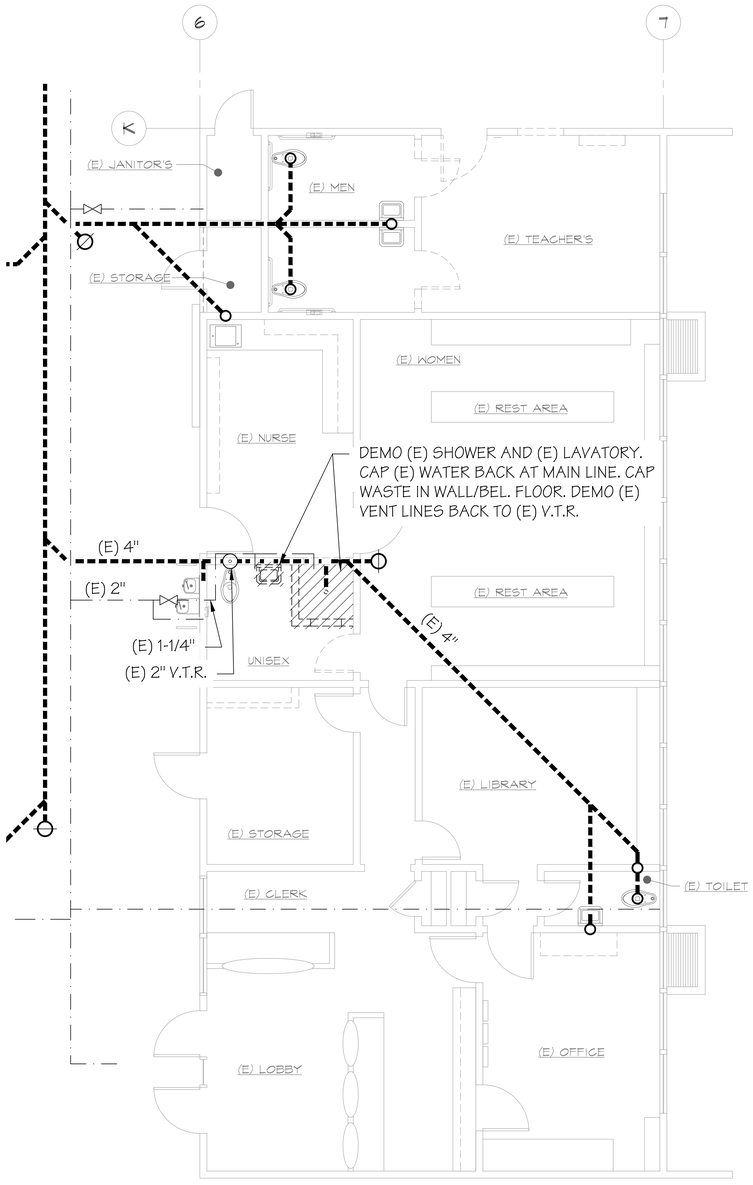
MARK	DATE	REVISIONS
1		
2		
3		

NOT FOR CONSTRUCTION
REGISTERED PROFESSIONAL ENGINEER JAMES BASKIN No. M26578 Exp. 9-30-24 MECHANICAL STATE OF CALIFORNIA

BASKIN MECHANICAL ENGINEERS
175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 21145
Plt: 10-07-22

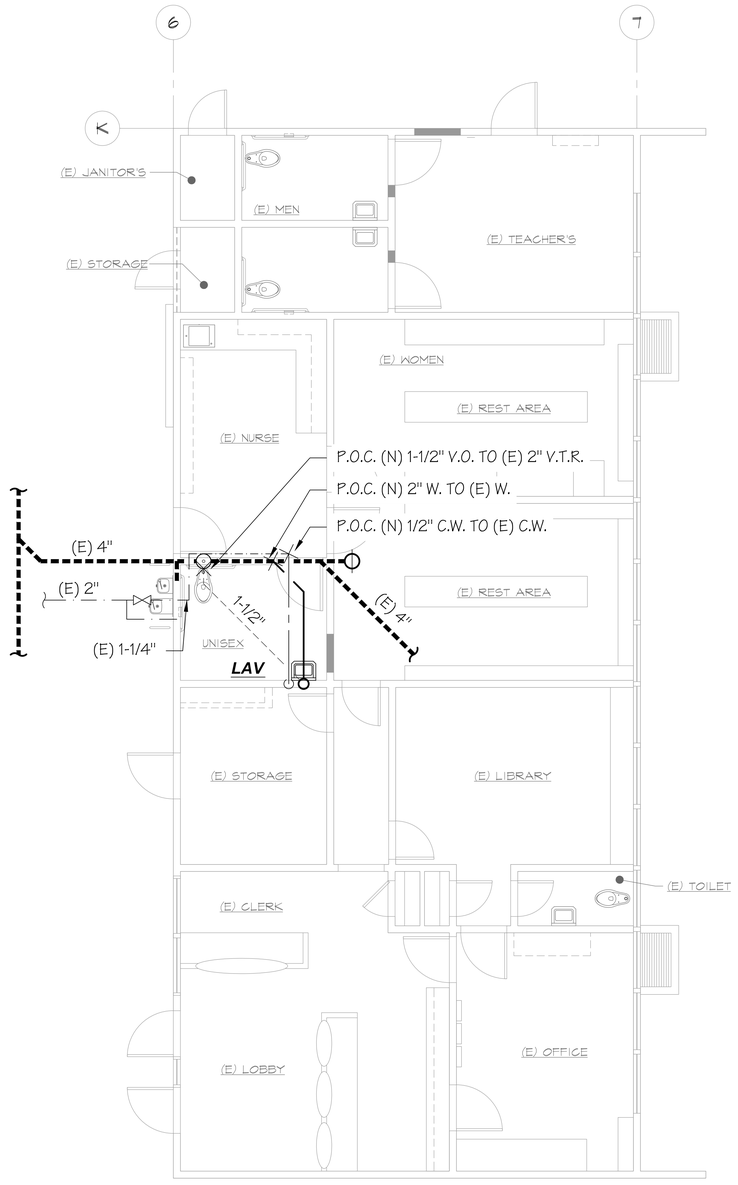
JOB NO. 1316
DRAWN : B.S.
CHECKED : M.B.
DATE : 7/26/21

P
1.0



PLUMBING DEMO PLAN BUILDING 'B'

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



PLUMBING PLAN BUILDING 'B'

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

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/23 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

PLUMBING PLAN & DEMO PLAN BUILDING 'B'

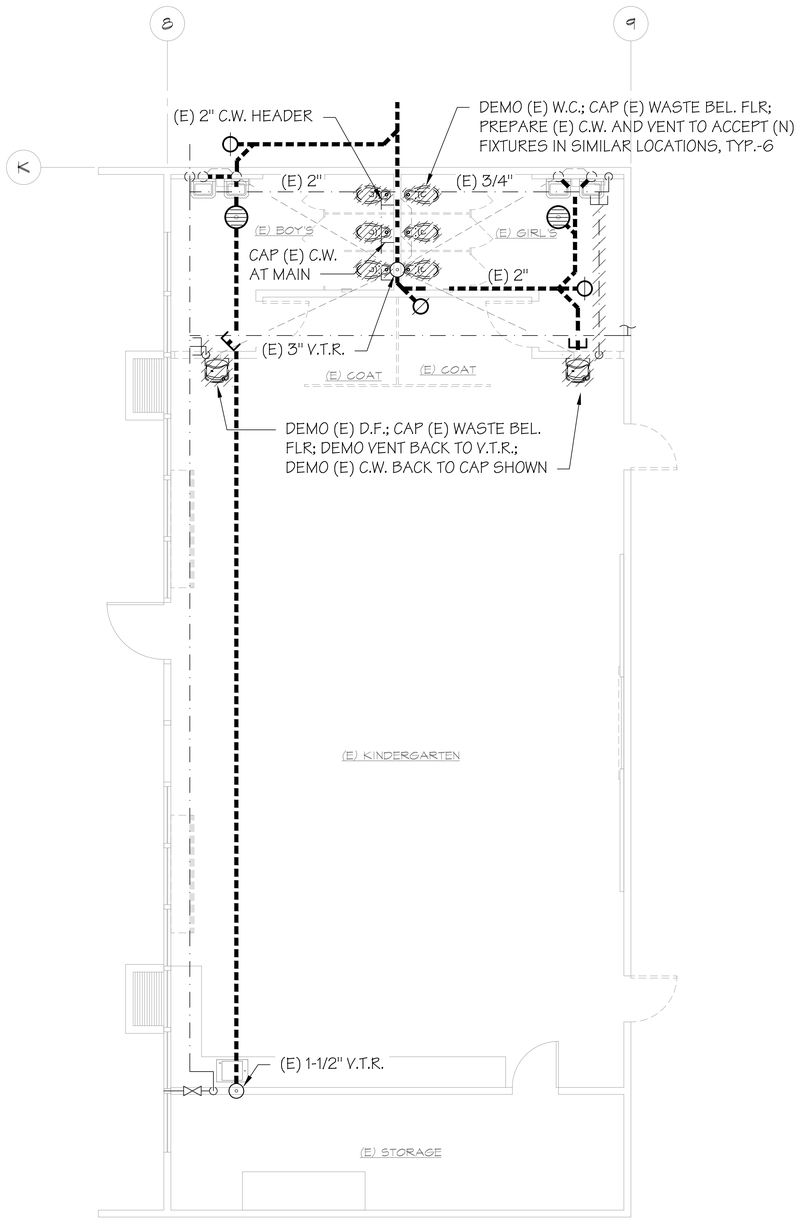
MARK	DATE	REVISIONS
1		
2		
3		

NOT FOR CONSTRUCTION
REGISTERED PROFESSIONAL ENGINEER MARK JAMES BASKIN No. M26578 Exp. 9-30-24 MECHANICAL STATE OF CALIFORNIA

BME BASKIN MECHANICAL ENGINEERS
175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 21145
Plt: 10-07-22

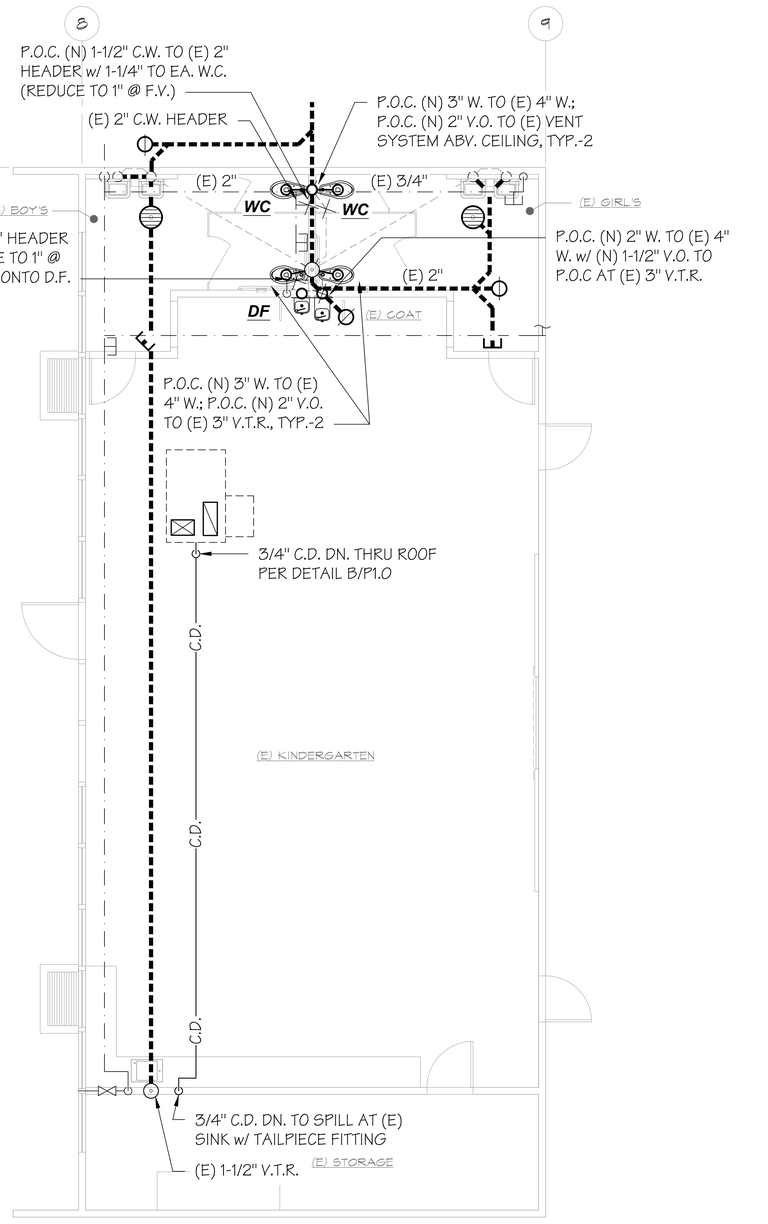
JOB NO.	1316
DRAWN :	B.S.
CHECKED :	M.B.
DATE :	7/26/21

2.1



PLUMBING DEMO PLAN BUILDING 'C'

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



PLUMBING PLAN BUILDING 'C'

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

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL

MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/23 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

PLUMBING PLAN & DEMO PLAN BUILDING 'C'

MARK	DATE	REVISIONS
1		
2		
3		

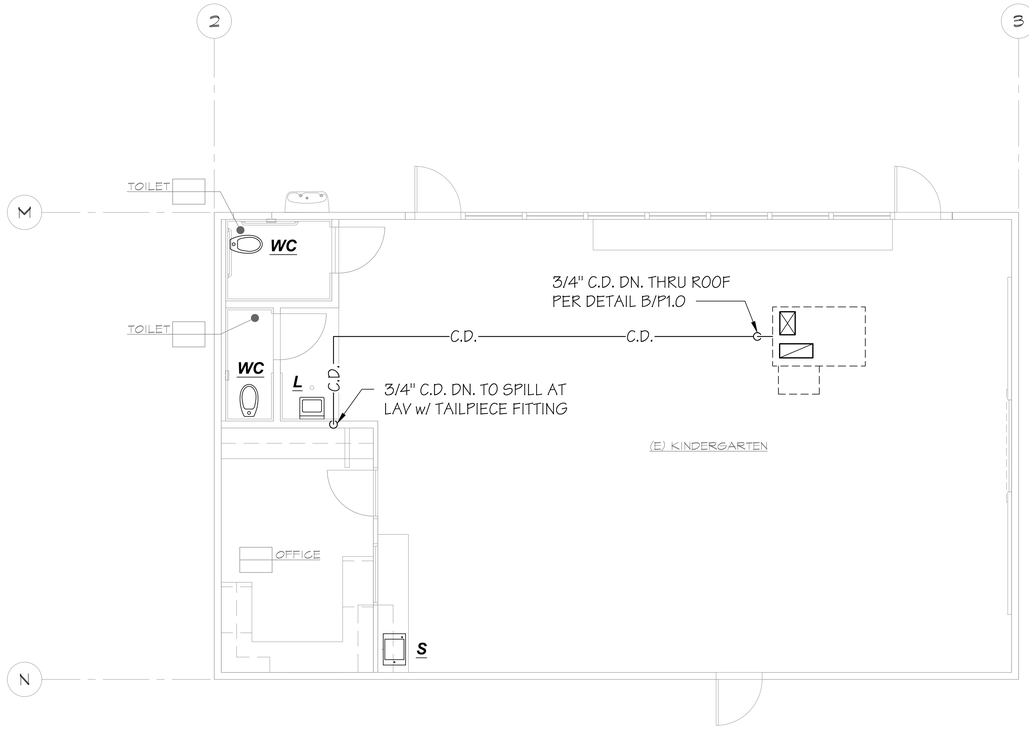
NOT FOR CONSTRUCTION
REGISTERED PROFESSIONAL ENGINEER MARK JAMES BASKIN No. M26578 Exp. 9-30-24 MECHANICAL STATE OF CALIFORNIA

BME BASKIN MECHANICAL ENGINEERS
175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 21145
Plt: 10-07-22

JOB NO. 1316
DRAWN : B.S.
CHECKED : M.B.
DATE : 7/26/21

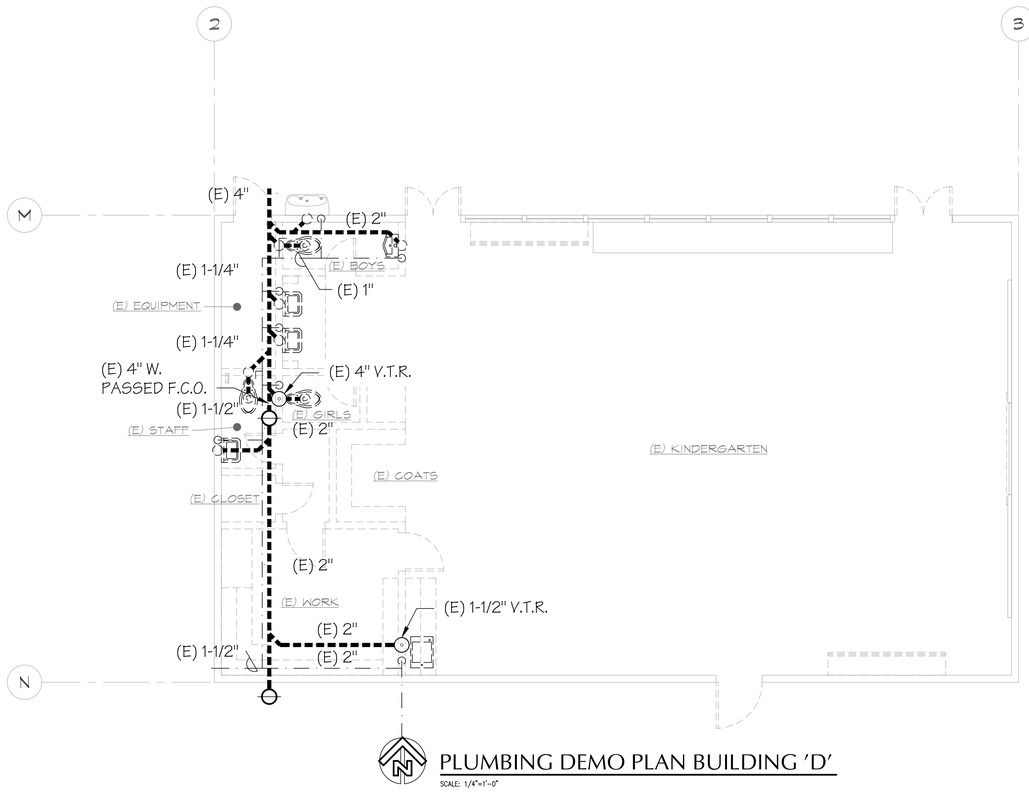
P

2.2



PLUMBING PLAN BUILDING 'D'

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



PLUMBING DEMO PLAN BUILDING 'D'

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

BASKIN MECHANICAL ENGINEERS
175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 21145
Plt: 10-07-22

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

ARCHITECT SCA inc.
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM
LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/23 STATE OF CALIFORNIA
STEPHEN J. CORBIN, NCARB, AIA, LEED ®-AP

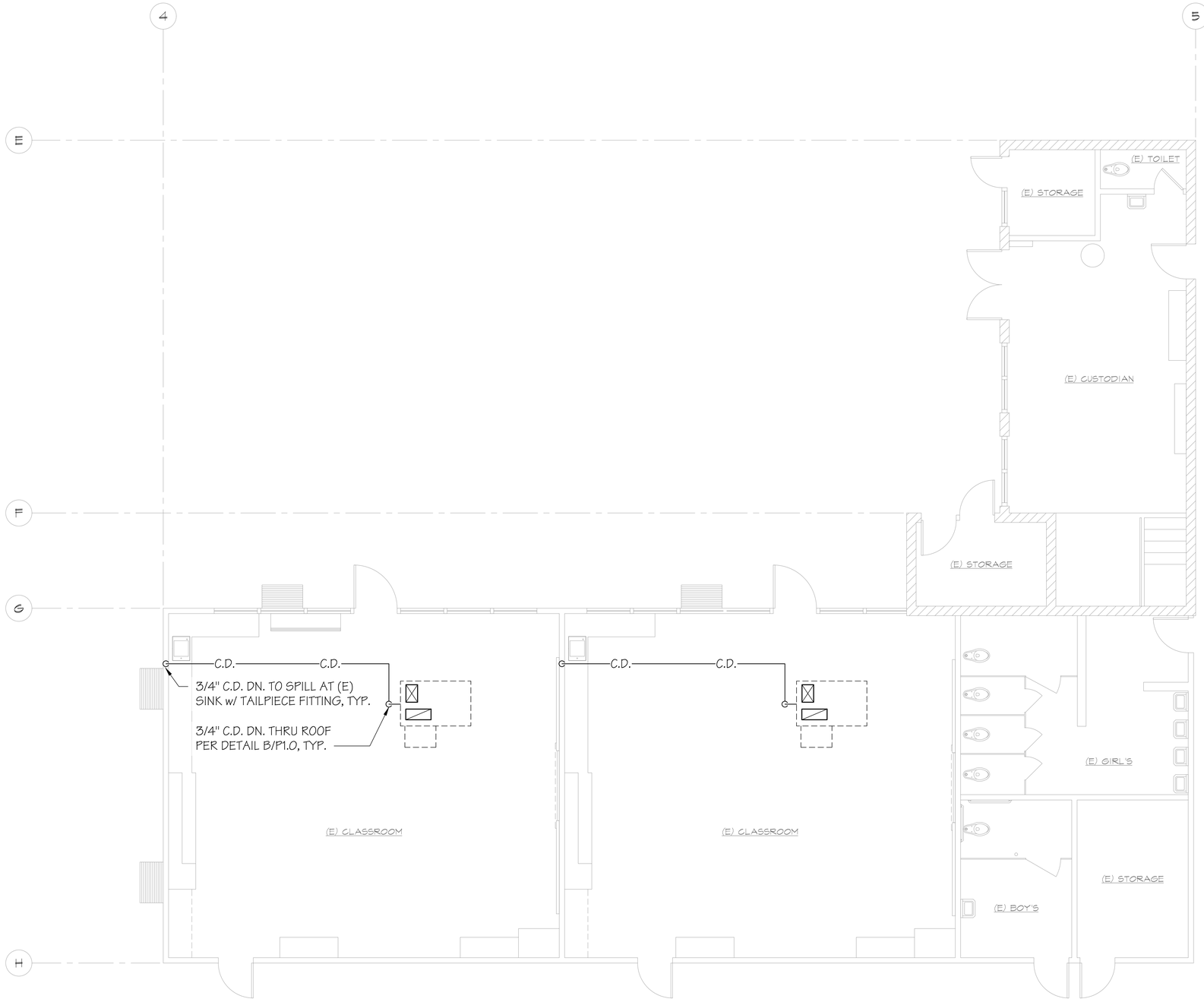
PLUMBING PLAN AND DEMO PLAN BUILDING 'D'

MARK	DATE	REVISIONS
1		
2		
3		

NOT FOR CONSTRUCTION
REGISTERED PROFESSIONAL ENGINEER MARK JAMES BASKIN No. M26578 Exp. 9-30-24 MECHANICAL ENGINEER STATE OF CALIFORNIA

JOB NO. 1316
DRAWN : B.S.
CHECKED : M.B.
DATE : 7/26/21

P
2.3



PLUMBING PLAN BUILDING 'E'

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

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL

MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/23 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

PLUMBING
PLAN
BUILDING 'E'

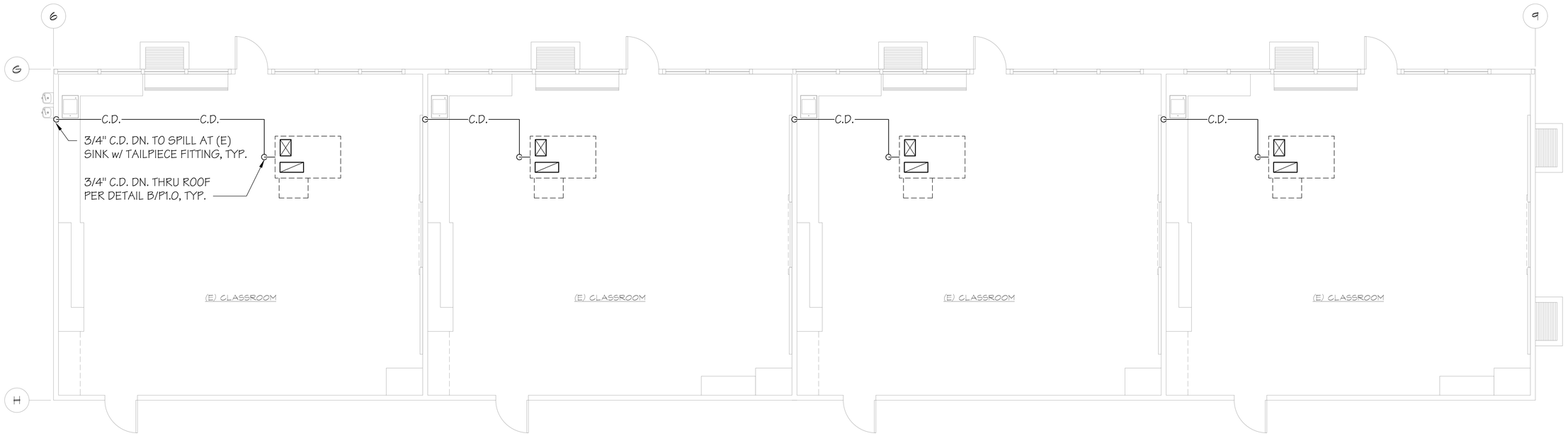
MARK	DATE	REVISIONS
1		
2		
3		

NOT FOR CONSTRUCTION
REGISTERED PROFESSIONAL ENGINEER MARK JAMES BASKIN No. M26578 Exp. 9-30-24 MECHANICAL STATE OF CALIFORNIA

BASKIN MECHANICAL ENGINEERS
175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 21145
Plt: 10-07-22

JOB NO. 1316
DRAWN : B.S.
CHECKED : M.B.
DATE : 7/26/21

P
2.4



PLUMBING PLAN BUILDING 'F'

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

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/23 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

PLUMBING
PLAN
BUILDING 'F'

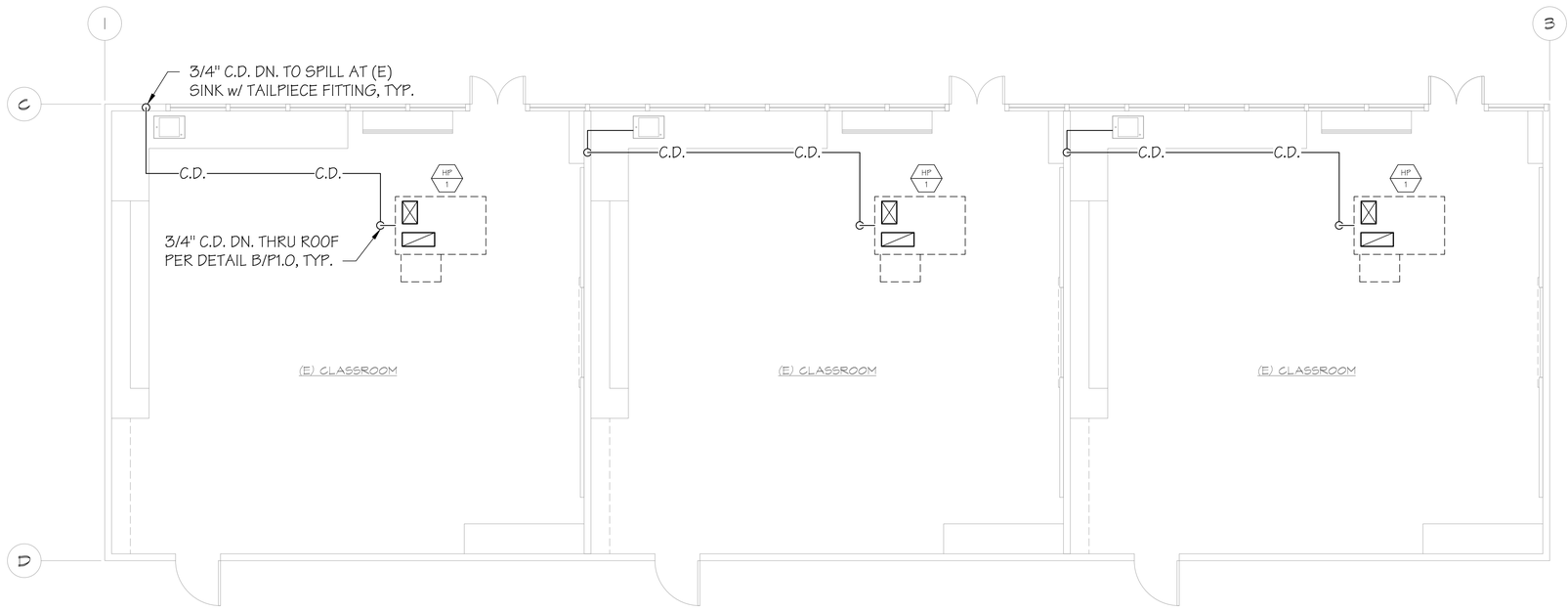
MARK	DATE	REVISIONS
1		
2		
3		

NOT FOR CONSTRUCTION
REGISTERED PROFESSIONAL ENGINEER MARK JAMES BASKIN No. M26578 Exp. 9-30-24 MECHANICAL STATE OF CALIFORNIA

BME BASKIN MECHANICAL ENGINEERS
175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 21145
Plt: 10-07-22

JOB NO. 1316
DRAWN : B.S.
CHECKED : M.B.
DATE : 7/26/21

P
2.5



PLUMBING PLAN BUILDING 'G'

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

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/23 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

PLUMBING
PLAN
BUILDING 'G'

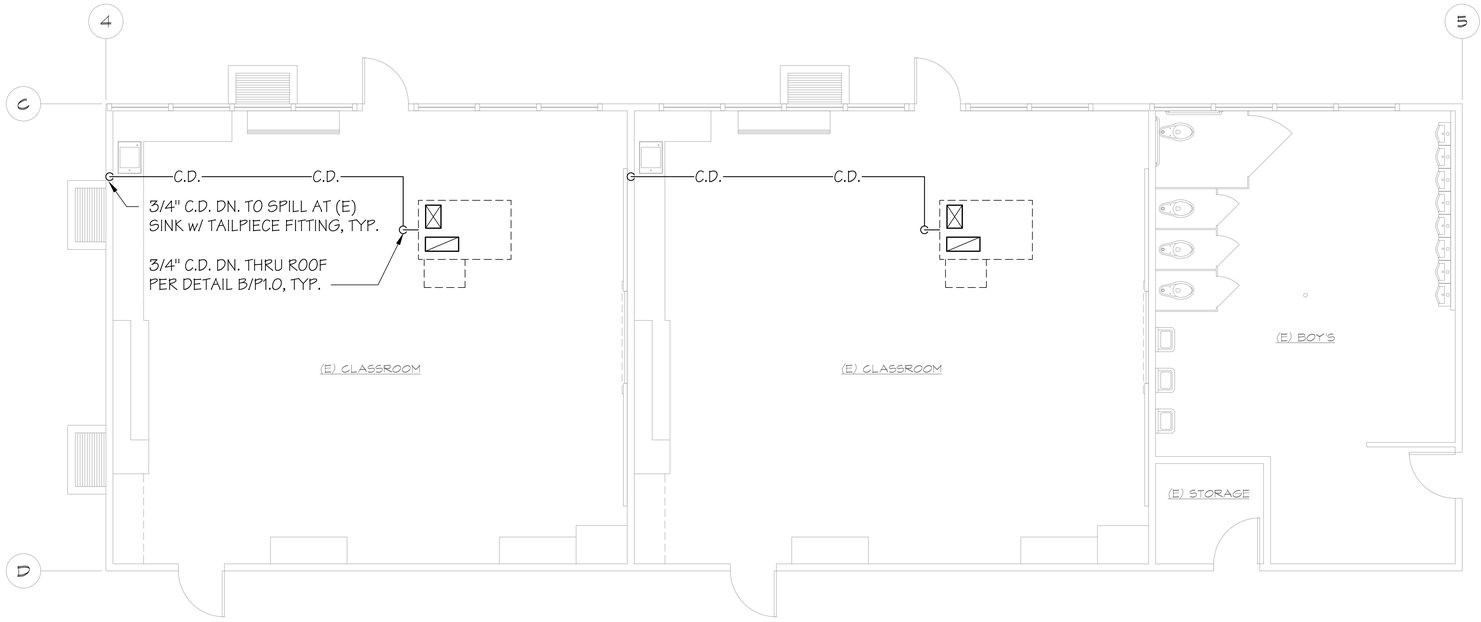
MARK	DATE	REVISIONS
1		
2		
3		

NOT FOR CONSTRUCTION
REGISTERED PROFESSIONAL ENGINEER MARK JAMES BASKIN No. M26578 Exp. 9-30-24 MECHANICAL ENGINEER STATE OF CALIFORNIA

BME BASKIN MECHANICAL ENGINEERS
175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 21145
Plt: 10-07-22

JOB NO. 1316
DRAWN : B.S.
CHECKED : M.B.
DATE : 7/26/21

P
2.6



PLUMBING PLAN BUILDING 'H'

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

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL

MODERNIZATION

2400 TRUXTUN AVENUE

FOR

BAKERSFIELD CITY SCHOOL DISTRICT

BAKERSFIELD, KERN COUNTY, CALIFORNIA

ARCHITECT SCA, INC.

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

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/23 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

PLUMBING
PLAN
BUILDING 'H'

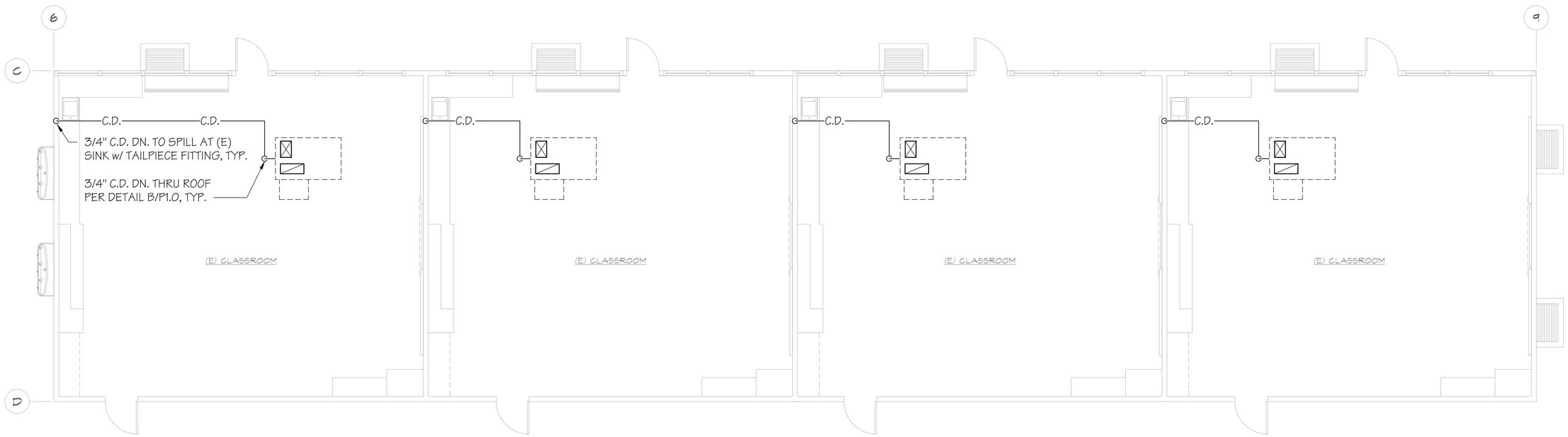
MARK	DATE	REVISIONS
1		
2		
3		

NOT FOR CONSTRUCTION
REGISTERED PROFESSIONAL ENGINEER MARK JAMES BASKIN No. M26578 Exp. 9-30-24 MECHANICAL STATE OF CALIFORNIA

BME BASKIN MECHANICAL ENGINEERS
175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 21145
Plt: 10-07-22

JOB NO. 1316
DRAWN : B.S.
CHECKED : M.B.
DATE : 7/26/21

P
2.7



PLUMBING PLAN BUILDING 'I'

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

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

PTN : 63321- FILE: 15-6

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

LICENSED ARCHITECT STEPHEN J. CORBIN No. C-16788 REN 11/30/23 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

PLUMBING
PLAN
BUILDING 'I'

MARK	DATE	REVISIONS
1		
2		
3		

NOT FOR CONSTRUCTION
REGISTERED PROFESSIONAL ENGINEER MARK JAMES BASKIN No. M26578 Exp. 9-30-24 MECHANICAL ENGINEER STATE OF CALIFORNIA

BASKIN MECHANICAL ENGINEERS
175 Fulton Street
Fresno, CA 93721
Tel: (559) 237-0376
Job: 21145
Plt: 10-07-22

JOB NO. 1316
DRAWN : B.S.
CHECKED : M.B.
DATE : 7/26/21

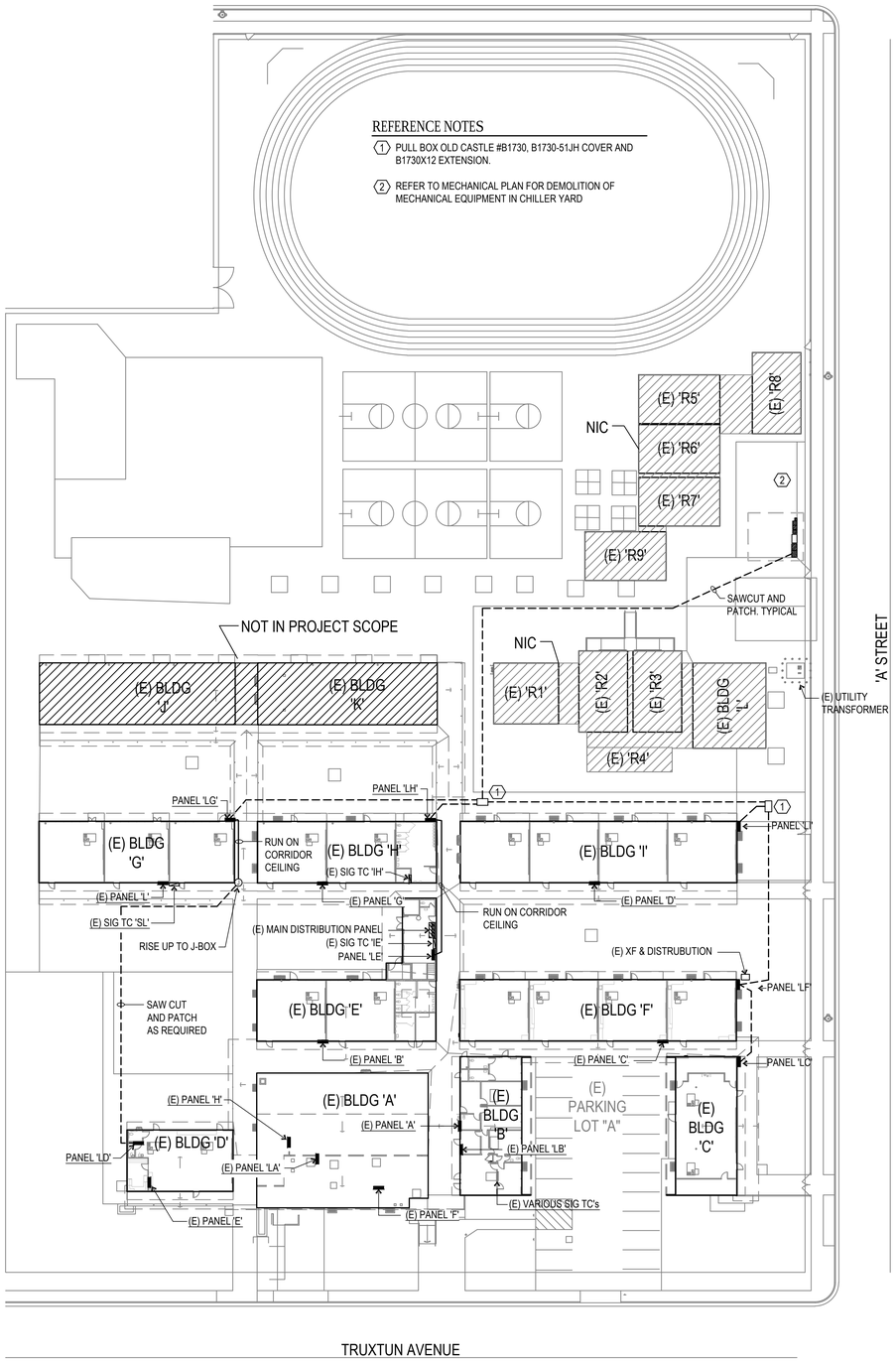
P
2.8

GENERAL ELECTRICAL NOTES

1. PROVIDE MINIMUM 36" WORK CLEARANCE IN FRONT OF PANELS, SERVICE OR EQUIPMENT RATED AT 120/208V 3Ø 4W (PER CEC-110.26).
2. PROVIDE MINIMUM 42" WORK CLEARANCE IN FRONT OF PANELS, SERVICE OR EQUIPMENT RATED AT 480/277V 3Ø 4W (PER CEC-110.26).
3. PROVIDE MINIMUM 30" WIDE WORK SPACE FOR PANELS, SERVICE OR EQUIPMENT 15" FROM BUS BAR TO OBSTRUCTION (PER CEC-110.26).
4. 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)).
5. SWITCHES SHALL BE MOUNTED A MAXIMUM OF 44" TO THE TOP OF BOX. RECEPTACLES SHALL BE MOUNTED A MINIMUM OF 15" TO THE BOTTOM OF BOX PER CBC 2019 SECTION 11B-308.
6. HVAC CIRCUIT BREAKERS SHALL BE RATED HACR.
7. ALL SERVICE EQUIPMENT TO BE SUITABLE FOR AVAILABLE SHORT CIRCUIT CURRENT PER CEC ART 110.9.
8. PERMANENTLY DELINEATE ON THE FLOOR WORKING CLEARANCE IN FRONT OF ALL ELECTRICAL EQUIPMENT WITH THE WORDING "NO STORAGE IN THIS AREA"
9. 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.
10. 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).
11. CONTRACTOR IS TO PROVIDE ENGRAVED NAMEPLATES ON EACH SERVICE PANEL, TRANSFORMER, DISCONNECT SWITCH MOTOR STARTER, ETC. (PER CEC-110.3).
12. 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.
13. 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).
14. EACH MULTIWIRE 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)).
15. 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).
16. 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	2019

17. 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).
18. PROVIDE ARC-FAULT PROTECTION FOR ALL REQUIRED CIRCUITS AS PER ART. 210.12 (CEC).



ELECTRICAL SITE PLAN

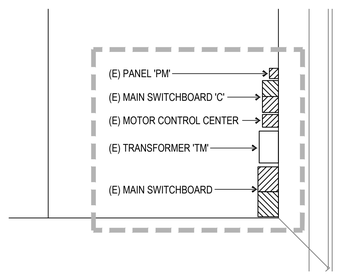
-

SCALE : 1" = 30'-0"

0 15' 30' 45' 60' 90' NORTH

ELECTRICAL SYMBOL SCHEDULE

SYMBOL	NAME	DESCRIPTION
D 90	FIXTURE TYPE "D" AND WATTAGE "90"	REFER TO FIXTURE SCHEDULE ON SHEET #E-6.1 AND SPECIFICATIONS
	FLUORESCENT LIGHT FIXTURE	REFER TO FIXTURE SCHEDULE ON SHEET #E-6.1 AND SPECIFICATIONS
	RECESSED LIGHT FIXTURE	REFER TO FIXTURE SCHEDULE ON SHEET #E-6.1 AND SPECIFICATIONS
EM SC	LIGHT FIXTURE WITH EMERGENCY POWER SOURCE	REFER TO FIXTURE SCHEDULE ON SHEET #E-6.1 AND SPECIFICATIONS
	ILLUMINATED EXIT SIGN	REFER TO FIXTURE SCHEDULE ON SHEET #E-6.1 AND SPECIFICATIONS
	OCCUPANCY MOTION SENSOR	ABL-eLIGHT
W	WALL SWITCH WITH INTEGRAL OCCUPANCY SENSOR @ +44" TO TOP OF BOX, U.O.N.	ABL-SENSOR SWITCH
N	OCCUPANCY SENSOR, CEILING MOUNTED - NETWORK	ABL-eLIGHT
	OCCUPANCY SENSOR SWITCHPACK	
$	WALL SWITCH @+45" AFF MAX. TO TOP OF BOX.	AC QUIET TYPE, 20A, 277V
$3	WALL SWITCH, 3-WAY @+45" AFF MAX. TO TOP OF BOX.	AC QUIET TYPE, 20A, 277V
$SC	"SOLATUBE" CONTROL SWITCH @+45" AFF MAX. TO TOP OF BOX.	PROVIDED BY OTHERS, INSTALLED BY ELECTRICAL CONTRACTOR
$M	WALL MOTION DIMMER SWITCH	ABL nLIGHT
$WC	WALL MOTION DIMMER SWITCH ON / OFF + RAISE / LOWER	ABL-eLIGHT
$WC	WALL MOTION DIMMER SWITCH ON / OFF + RAISE / LOWER WITH INTEGRAL OCCUPANCY SENSOR	ABL-eLIGHT
2$WC	WALL MOTION DIMMER SWITCH 2 ZONE ON / OFF + RAISE / LOWER	ABL-eLIGHT
4$WC	WALL MOTION DIMMER SWITCH 4 ZONE ON / OFF + RAISE / LOWER	ABL-eLIGHT
	DUPLEX CONVENIENCE OUTLET MOUNTED @ +15" MIN. TO BOTTOM OF BOX. U.O.N.	20A, NEMA GROUNDED
WP	WEATHERPROOF CONVENIENCE OUTLET MOUNTED @ +15" MIN. TO BOTTOM OF BOX. U.O.N.	20A, NEMA GROUNDED
	QUADDUPLEX CONVENIENCE OUTLET MOUNTED @ +15" MIN. TO BOTTOM OF BOX. U.O.N.	20A, NEMA GROUNDED
	ELECTRICAL SWITCHBOARD	REFER TO POWER SINGLE LINE DIAGRAM
	ELECTRICAL PANEL	REFER TO PANEL SCHEDULE
	TERMINAL CABINET	
	EXHAUST FAN	REFER TO MECHANICAL PLANS & SPECIFICATIONS.
R	120V RELAY WITH 277V COIL	SIZED TO HANDLE EXHAUST FAN LOAD
	MOTOR WITH FUSIBLE DISCONNECT SWITCH, W.P. AS REQ'D	REFER TO MECHANICAL PLANS & SPECIFICATIONS.
J	JUNCTION BOX	4" SQUARE BOX & FLUSH PLATE MINIMUM
	COMMUNICATIONS / DATA OUTLET @ +15" AFF MIN. BOTTOM OF BOX, +48" MAX TOP OF BOX U.O.N.	4 11/16" x 2 1/8"D 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
	INTERCOM OUTLET @+15" AFF MIN. BOTTOM OF BOX, +48" MAX TOP OF BOX U.O.N.	
	TELEPHONE OUTLET @+15" AFF MIN. BOTTOM OF BOX, +48" MAX TOP OF BOX U.O.N.	
S	PA SPEAKER, FLUSH CEILING MOUNTED U.O.N.	REFER TO SCHOOL DISTRICT SPECIFICATIONS.
S WP	EXTERIOR PA SPEAKER WALL MTD @+9'-6" UON (WEATHERPROOF)	REFER TO SCHOOL DISTRICT SPECIFICATIONS.
S C	CLOCK / PA SPEAKER COMBINATION @+7'-6" UON	REFER TO SCHOOL DISTRICT SPECIFICATIONS.
TV	TELEVISION / VIDEO OUTLET	REFER TO SCHOOL DISTRICT SPECIFICATIONS.
B	PROGRAM BELL	
M	SECURITY MICROPHONE MT'D ABOVE DOOR U.O.N.	PROVIDED BY SCHOOL DISTRICT, INSTALLED BY E.C.
D	SECURITY DOOR CONTACT	SEE SPECS
	SURFACE RACEWAY W/ OUTLETS & DATA JACKS	WIREMOLD 5400 SERIES SYSTEM. INSTALL DUPLEX / QUADPLEX RECEPTACLES AND DATA JACK AS INDICATED ON PLANS.
PP	POWER PACK 0-10V DIMMING	ABL-eLIGHT
PPI	POWER PACK INCANDESCENT DIMMING	ABL-eLIGHT
PLC	PLUG LOAD CONTROLLER	ABL-eLIGHT
P	PHOTO SENSOR - 3 ZONE (LOWER CASE LETTER INDICATES CONTROL GROUP)	ABL-eLIGHT
	LOW VOLTAGE SENSOR WIRING, PLENUM RATED	REFER TO DEVICE LITERATURE FOR NUMBER OF CONDUCTORS.
	WIRING BELOW GRADE	3/4" CONDUIT MINIMUM.
	WIRING IN WALL OR CEILING	
		3/4" CONDUIT MINIMUM.
	FLEXIBLE CONDUIT	3/4" CONDUIT MINIMUM.
	CONDUIT STUB AND CAP	
	HASH MARKS DENOTES QUANTITY OF CONDUCTORS	
3-1/0	HOME RUN (TO PANEL "A", CIRCUIT "15")	3/4" CONDUIT MINIMUM.
	EXISTING CONDUIT TO REMAIN	
(E)	EXISTING ITEM TO REMAIN	
U.O.N.	UNLESS OTHERWISE NOTED	
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	



CLARIFICATION PLAN

-

NOT TO SCALE 1 E-1.00

NOTE:

THE CALIFORNIA STATE LICENSE BOARD (CSLB) "ZERO TOLERANCE POLICY" IN EFFECT FOR NON COMPLIANT ELECTRICIANS. IN CALIFORNIA, ELECTRICAL WORK SHALL ONLY BE DONE BY "STATE CERTIFIED ELECTRICIANS". LABOR CODE SECTIONS 108.2, SECTIONS 209.0 AND THE AB 931, AS OF JANUARY 2006, ENFORCEMENT OF LEGAL ACTION WILL BE ISSUED TO ANY C-10 CONTRACTOR WHO WILLFULLY EMPLOYES AN "UNCERTIFIED ELECTRICIAN" TO PERFORM ELECTRICAL WORK IN THE STATE OF CALIFORNIA. AN INDENTURED APPRENTICE OR A STATE REGISTERED ELECTRICIAN (AKA TRAINEE) MAY PERFORM ELECTRICAL WORK IF UNDER THE "DIRECT SUPERVISION" OF A "STATE CERTIFIED ELECTRICIAN."

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL MODERNIZATION

2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN J. CORBIN No.C-16788 REN. 31/26/23 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

DPG Engineering Inc.
6702 N. Cedar Suite 205
Fresno, Ca. 93710
Ph. (559) 276-5144
Fax (559) 900-4529
Email @ dpgengineering.com

REGISTERED PROFESSIONAL ENGINEER ELECTRICAL CLINTON P. DOTY 17151 EXP. 09/30/23 STATE OF CALIFORNIA

ELECT. SITE PLAN, SYMBOL LEGEND, DETAILS AND NOTES

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO.	1316
DRAWN :	R.L.M.
CHECKED :	D.P.G.
DATE :	12/6/21

1.00 OF SHEETS

FEEDER SCHEDULE

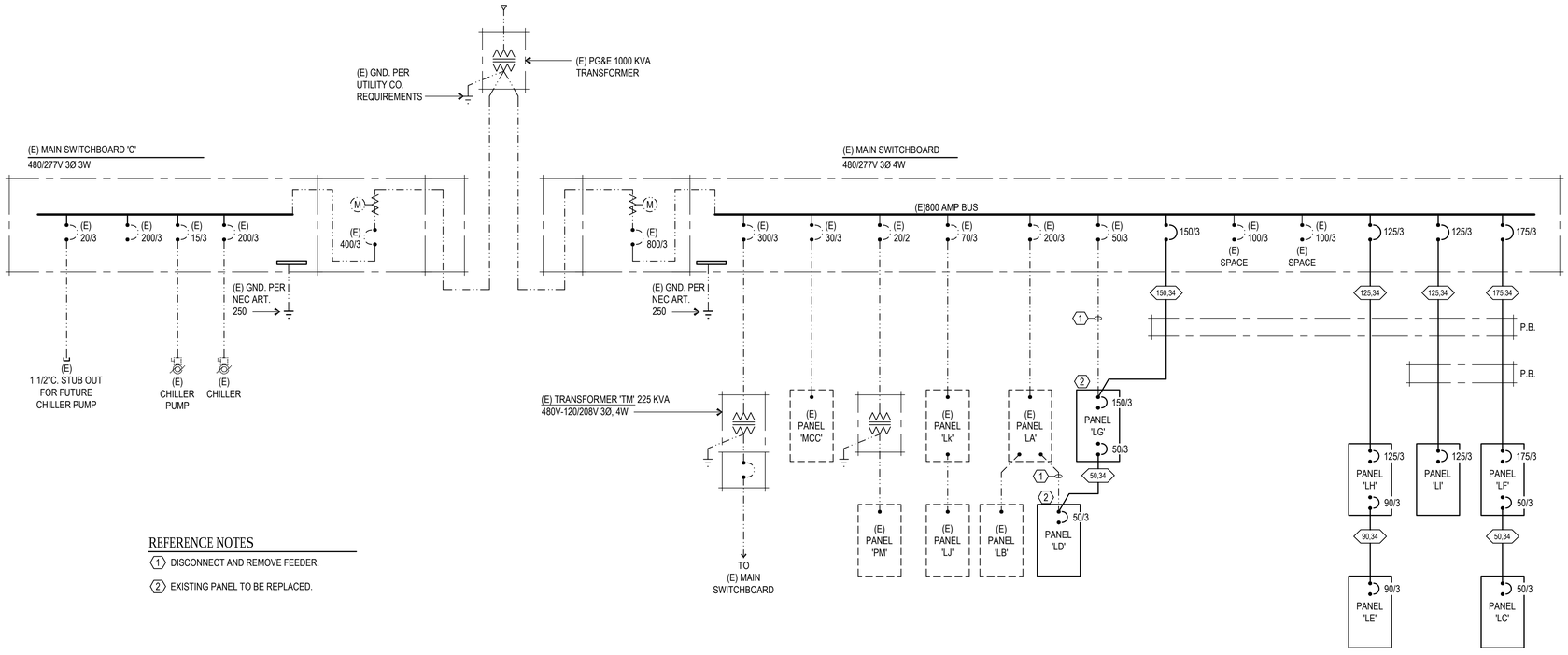
AMPS	CONDUIT AND CONDUCTORS (THHN/THWN CU) PVC, EMT OR GRS	1Ø 3W (13)	3Ø 3W (33)	3Ø 4W (34)	3Ø 5W (35)	NYLON PULL LINE (NPL)	GROUNDING (THHN/THWN) COPPER PER CONDUIT
30	3/4"	3 #10	3 #10	4 #10	NA	1	#10
40	3/4"	3 #8	3 #8	4 #8			#10
50	1"	3 #6	3 #6	4 #6			#10
60	1"	3 #6	3 #6	4 #6			#10
70	1 1/4"	3 #4	3 #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			#6
100	1 1/2"	3 #1	3 #1	4 #1	5 #1		#6
125	1 1/2"	3 #1	3 #1	4 #1	5 #1		#6
150	2"	3 #1/0	3 #1/0	4 #1/0	5 #1/0		#6
175	2"	3 #2/0	3 #2/0	4 #2/0	5 #2/0		#4
200	2"	3 #3/0	3 #3/0	4 #3/0	---		#4
225	2 1/2"	3 #4/0	3 #4/0	4 #4/0	5 #4/0		#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 #600 Kcmil	3 #600 Kcmil	4 #600 Kcmil	5 #600 Kcmil		#1/0
500	(2)3"	3 #250 Kcmil (EA)	3 #250 Kcmil (EA)	4 #250 Kcmil (EA)	5 #250 Kcmil (EA)		#2/0
600	(2)3 1/2"	3 #350 Kcmil (EA)	3 #350 Kcmil (EA)	4 #350 Kcmil (EA)	5 #350 Kcmil (EA)		#2/0
700	(2)4"	3 #500 Kcmil (EA)	3 #500 Kcmil (EA)	4 #500 Kcmil (EA)	5 #500 Kcmil (EA)		#2/0
800	(2)4"	3 #600 Kcmil (EA)	3 #600 Kcmil (EA)	4 #600 Kcmil (EA)	5 #600 Kcmil (EA)		#2/0
1000	(3)3 1/2"	3 #400 Kcmil (EA)	3 #400 Kcmil (EA)	4 #400 Kcmil (EA)	5 #400 Kcmil (EA)		#3/0
1200	(4)3 1/2"	3 #350 Kcmil (EA)	3 #350 Kcmil (EA)	4 #350 Kcmil (EA)	5 #350 Kcmil (EA)		#3/0
1600	(4)4"	3 #600 Kcmil (EA)	3 #600 Kcmil (EA)	4 #600 Kcmil (EA)	5 #600 Kcmil (EA)		#4/0
2000	(5)4"	3 #600 Kcmil (EA)	3 #600 Kcmil (EA)	4 #600 Kcmil (EA)	5 #600 Kcmil (EA)		#4/0

FEEDER AMPS

2000,35

CONDUCTOR TYPE (3Ø 5W)

NOTE:
3Ø 5W FEEDERS ARE ØA, ØB, ØC AND TWO NEUTRAL CONDUCTORS FOR NON LINEAR LOAD APPLICATIONS.



REFERENCE NOTES

1. DISCONNECT AND REMOVE FEEDER.
2. EXISTING PANEL TO BE REPLACED.

ELECTRICAL SINGLE LINE DIAGRAM

NOT TO SCALE 1 E1.10

-

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

ARCHITECT S.C. inc.
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM
LICENSED ARCHITECT STEPHEN J. CORBIN No.C-16788 REN.31/08/23 STATE OF CALIFORNIA
STEPHEN J. CORBIN, NCARB, 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.

DPG Engineering Inc.
6702 N. Cedar Suite 205
Fresno, Ca. 93710
Ph. (559) 275-5144
Fax (559) 900-4929
Email @ dpgengineering.com
REGISTERED PROFESSIONAL ENGINEER TREVOR P. DOLTON 17151 EXP. 09/30/23 ELECTRICAL STATE OF CALIFORNIA

ELECTRICAL SINGLE LINE DIAGRAM

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN : R.L.M.
CHECKED : D.P.G.
DATE : 12/6/21

1.10 OF SHEETS

LIGHTING DEMO NOTE

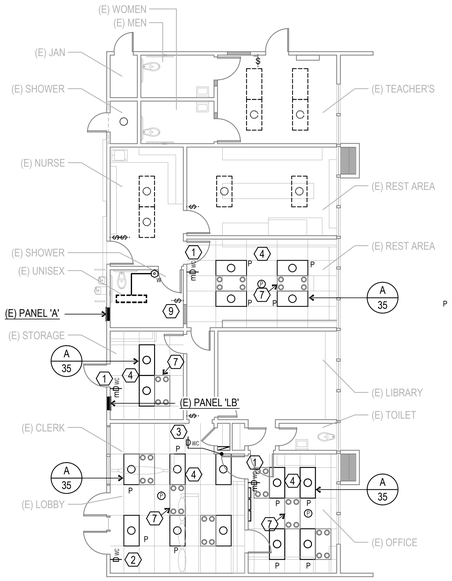
REMOVE ALL EXISTING LIGHT FIXTURES, OCCUPANCY SENSORS, SWITCH PACKS AND DIMMING CONTROL MODULES (IF APPLICABLE) REMOVE ANY CONDUIT AND CONDUCTORS NOT TO BE RE-USED.

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

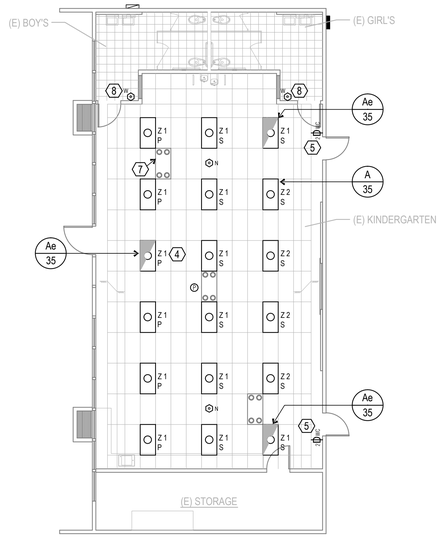


LIGHTING FLOOR PLAN

BUILDING 'B'

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

0 4' 8' 12' 16' 24' NORTH

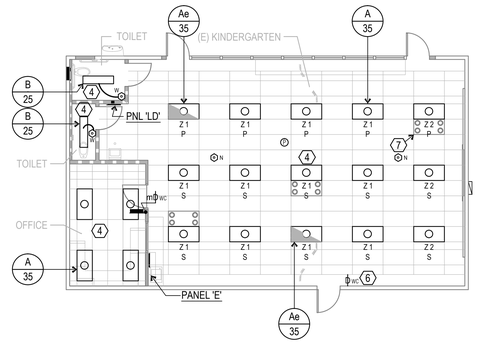


LIGHTING FLOOR PLAN

BUILDING 'C'

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

0 4' 8' 12' 16' 24' NORTH

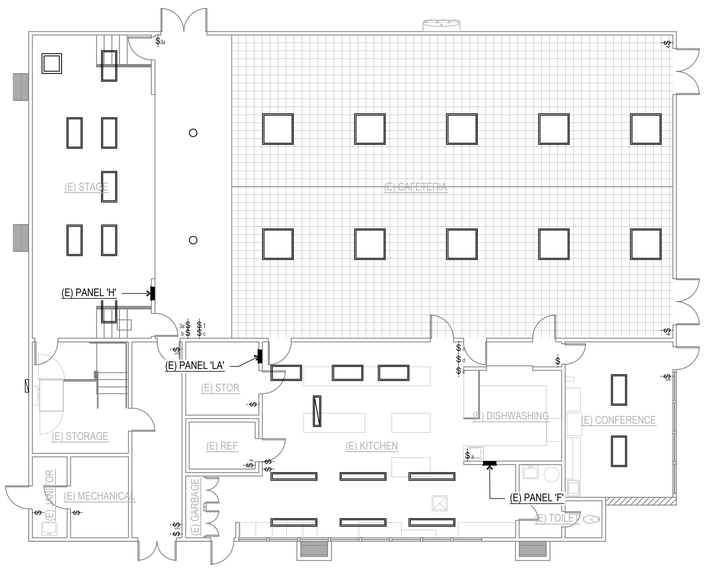


LIGHTING FLOOR PLAN

BUILDING 'D'

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

0 4' 8' 12' 16' 24' NORTH

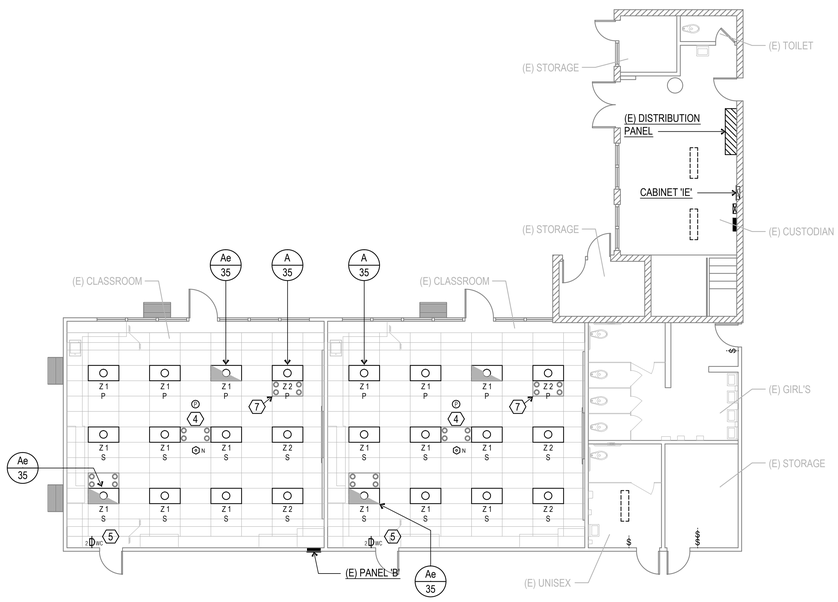


LIGHTING FLOOR PLAN

BUILDING 'A'

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

0 4' 8' 12' 16' 24' NORTH



LIGHTING FLOOR PLAN

BUILDING 'E'

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

0 4' 8' 12' 16' 24' NORTH

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL MODERNIZATION

2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

ARCHITECT SC inc.

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

LICENSED ARCHITECT STEPHEN J. CORBIN No.C-16786 REN. 11/30/2023 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

DPG Engineering Inc.
4710 N. Cedar Suite 205
Fresno, Ca. 93710
Ph: (559) 276-5144
Fax (559) 903-4929
Email @ dpgengineering.com

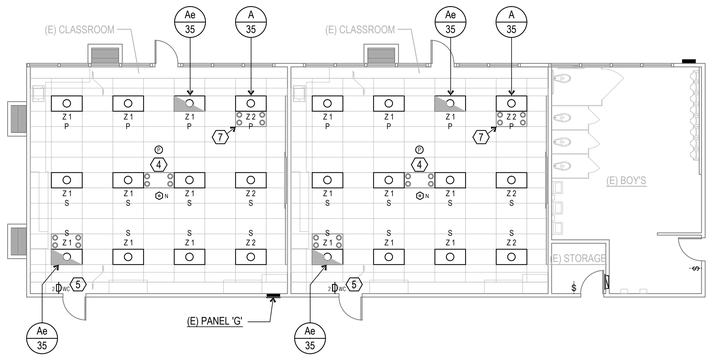
REGISTERED PROFESSIONAL ENGINEER TIMOTHY P. DOLLY 17151 EXP. 09/30/23 ELECTRICAL STATE OF CALIFORNIA

BLDGS A,B,C,D,E
LIGHTING
FLOOR PLANS
AND NOTES

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN : R.L.M.
CHECKED : D.P.G.
DATE : 12/6/21

2.10 OF SHEETS

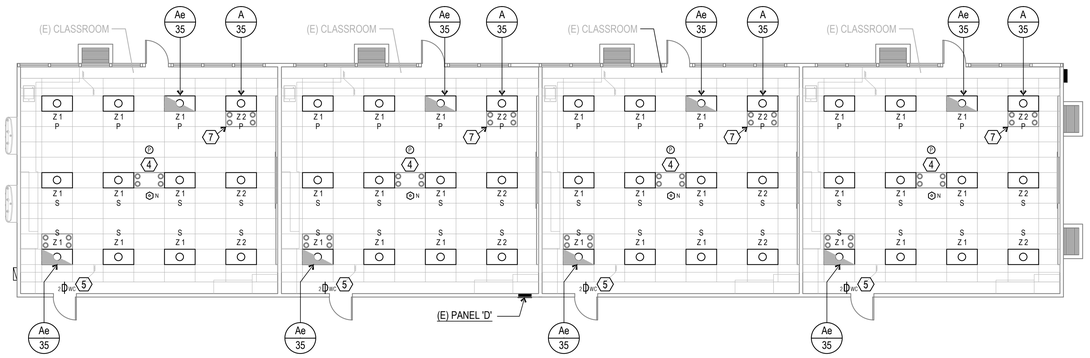


LIGHTING FLOOR PLAN

BUILDING 'H'

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

0 4' 8' 12' 16' 24' NORTH

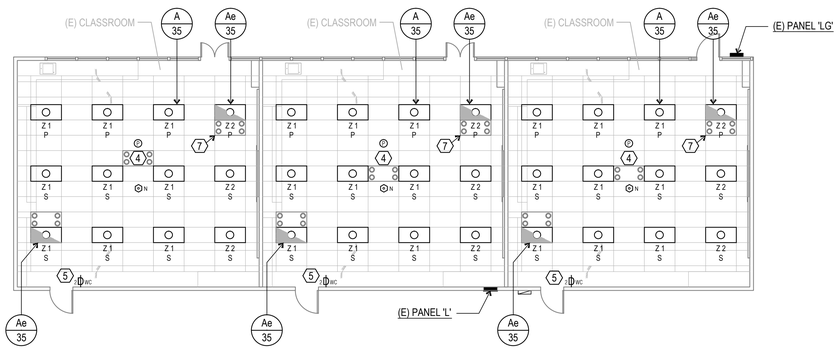


LIGHTING FLOOR PLAN

BUILDING 'I'

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

0 4' 8' 12' 16' 24' NORTH

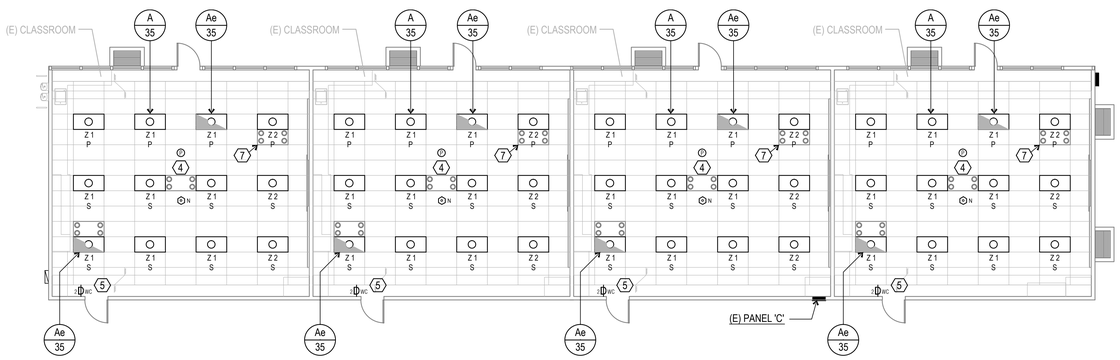


LIGHTING FLOOR PLAN

BUILDING 'G'

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

0 4' 8' 12' 16' 24' NORTH



LIGHTING FLOOR PLAN

BUILDING 'F'

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

0 4' 8' 12' 16' 24' NORTH

REFERENCE NOTES

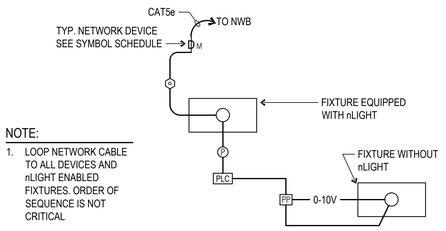
1. REMOVE EXISTING SWITCH AND CONDUCTORS. LOWER EXISTING BOX DOWN TO +45". CUT AND PATCH AS REQUIRED. PROVIDE MOTION DIMMING WALL CONTROLLER.
2. REMOVE EXISTING SWITCH AND CONDUCTORS. LOWER EXISTING BOX DOWN TO +45". CUT AND PATCH AS REQUIRED. PROVIDE DIMMING WALL CONTROLLER.
3. REMOVE TWO EXISTING SWITCHES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

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.



NOTE:

1. LOOP NETWORK CABLE TO ALL DEVICES AND nLIGHT ENABLED FIXTURES. ORDER OF SEQUENCE IS NOT CRITICAL

TYPICAL ZONE WIRING DIAGRAM

NOT TO SCALE (1 / E2.20)

Fixture Schedule

	Luminaire						
Name	Type Description	Lamp Type	Watts per fixture	Manufacturer	Model Number	Mounting	Notes
A	2 X 4 LED	LED	35	ABL - LITHONIA	2BLT4 48LHE ADPT EZ1 LP840 N100	T-BAR	
Ae	2 X 4 LED	LED	35	ABL - LITHONIA	2BLT4 48LHE ADPT EZ1 E10WLCP LP840 N100	T-BAR	EMERGENCY BATTERY BACK UP
B	1 X 4 STRIP	LED	25	ABL - LITHONIA	CLX L48 4000 LM HEF RDL SPD MVOLT EZ1 40K 80 CRITHCLX	SURFACE	

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

PTN : 63321- FILE: 15-6

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

LICENSED ARCHITECT
STEPHEN J. CORBIN
No.C-16788
REN 31/08/23
STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

DPG
Engineering Inc.
4702 N. Cedar Suite 205
Fresno, Ca. 93710
Ph. (559) 276-6144
Fax (559) 900-4929
Email @ dpgengineering.com

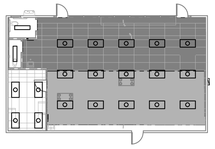
REGISTERED PROFESSIONAL ENGINEER
ANTON P. DELTA
17151
EXP. 09/30/23
ELECTRICAL
STATE OF CALIFORNIA

BLDGS F,G,H & I
LIGHTING
FLOOR PLANS,
DETAILS AND
NOTES

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN : R.L.M.
CHECKED : D.P.G.
DATE : 12/6/21

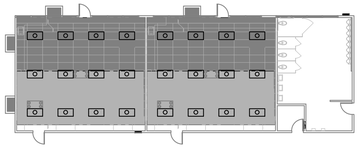
2.20 OF SHEETS



DAYLIT FLOOR PLAN
BUILDING 'D'

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

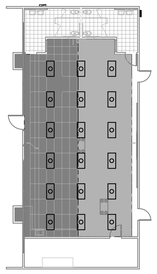
NORTH



DAYLIT FLOOR PLAN
BUILDING 'H'

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

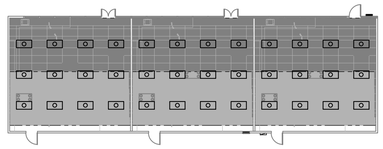
NORTH



DAYLIT FLOOR PLAN
BUILDING 'C'

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

NORTH



DAYLIT FLOOR PLAN
BUILDING 'G'

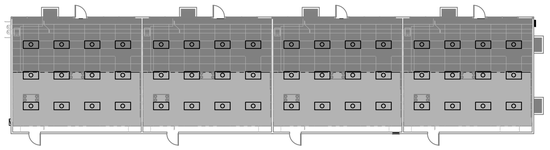
SCALE : 1/16" = 1'-0"

NORTH

DAYLIT FLOOR PLAN
BUILDING 'B'

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

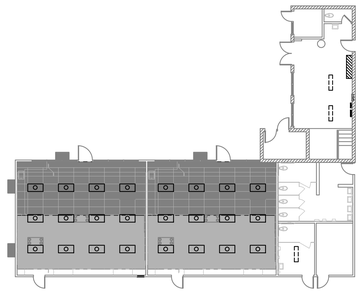
NORTH



DAYLIT FLOOR PLAN
BUILDING 'F'

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

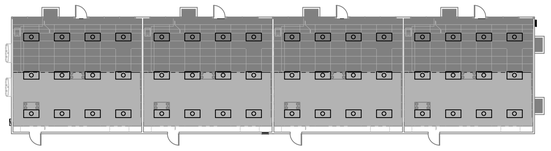
NORTH



DAYLIT FLOOR PLAN
BUILDING 'A'

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

NORTH



DAYLIT FLOOR PLAN
BUILDING 'E'

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

NORTH

DAYLIT FLOOR PLAN
BUILDING 'I'

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

NORTH

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:

1. LUMINARIES IN THE SKYLIT ZONE SHALL BE CONTROLLED SEPARATELY FROM THOSE IN THE PRIMARY SIDELIT DAYLIT ZONES.
2. LUMINARIES THAT FALL IN BOTH, A SKYLIT AND PRIMARY SIDELIT DAYLIT ZONE, SHALL BE CONTROLLED AS PART OF THE SKYLIT DAYLIT ZONE.
3. LUMINARIES IN THE SECONDARY DAYLIT ZONE SHALL BE CONTROLLED INDEPENDENTLY FROM ALL OTHER LUMINARIES,INCLUDING THOSE IN THE SKYLIT AND PRIMARY SIDELT ZONES. LUMINARIES THAT FALL IN BOTH PRIMARY AND SECONDARY SIDELIT DAYLIT ZONES SHALL BE CONTROLLED AS PART OF THE PRIMARY SIDELIT DAYLIT ZONE.
4. LUMINARIES THAT FALL IN ALL THREE ZONES SHALL BE CONTROLLED AS PART OF THE SKYLIT DAYLIT ZONE.
5. PROVIDE SHOP DRAWING OF LIGHTING CONTROL SYSTEM.
6. NETWORK CABLING NOT SHOWN FOR CLARITY. REFER TO CONTROL DIAGRAM.
7. CONTROL EQUIPMENT IS INDICATED DIAGRAMMATICALLY. 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

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN J. CORBIN No.C-16788 REN. 31/08/23 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

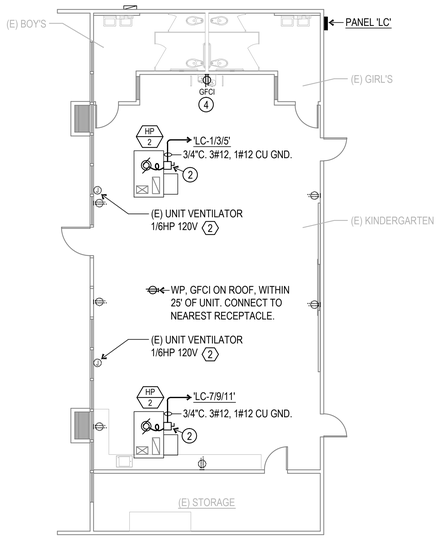
DPG Engineering Inc.
6702 N. Cedar Suite 205
Fresno, Ca. 93710
Ph. (559) 276-5144
Fax (559) 903-4929
Email @ dpgengineering.com

REGISTERED PROFESSIONAL ENGINEER DENTON P. GOLT 17151 EXP. 09/30/23 ELECTRICAL STATE OF CALIFORNIA

DAYLIT LIGHTING PLANS, NOTES AND SCHEDULES

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN : R.L.M.
CHECKED : D.P.G.
DATE : 12/6/21

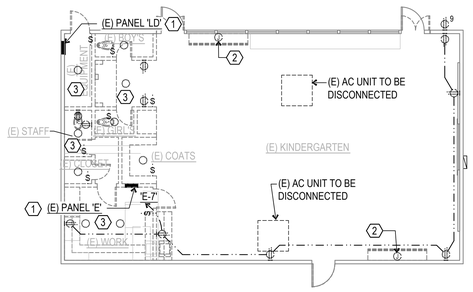


POWER FLOOR PLAN

BUILDING 'C'

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

0 4' 8' 12' 16' 24' NORTH

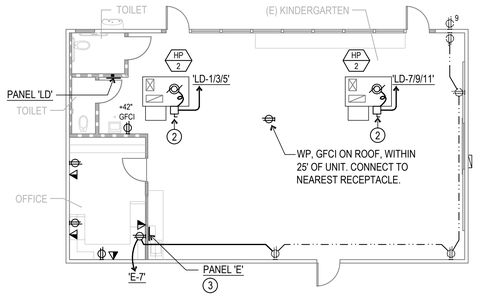


DEMO POWER PLAN

BUILDING 'D'

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

0 4' 8' 12' 16' 24' NORTH



POWER FLOOR PLAN

BUILDING 'D'

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

0 4' 8' 12' 16' 24' NORTH

DEMOLITION REFERENCE NOTES

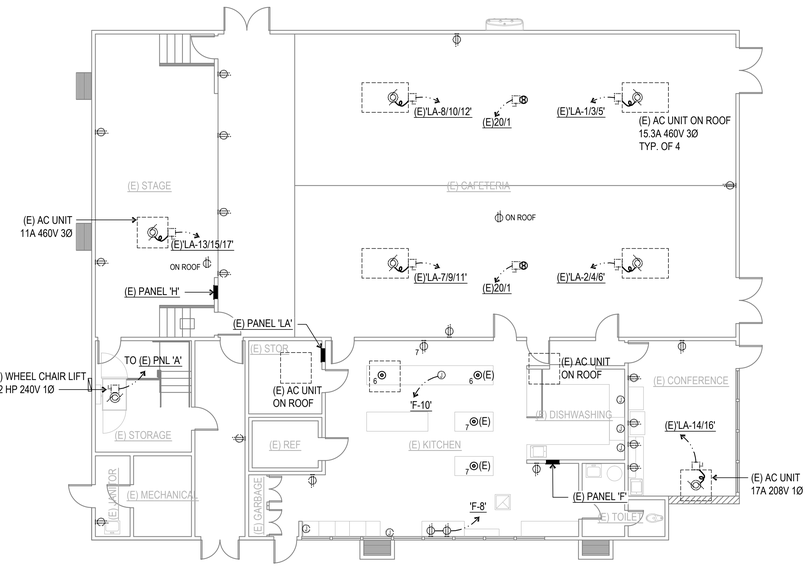
1. EXISTING PANEL TO BE RELOCATED AND REPLACED. INTERCEPT AND EXTEND EXISTING BRANCH CIRCUITS TO NEW LOCATION. SAWCUT AND PATCH FLOOR, EXTEND BRANCH CIRCUIT TO NEAREST WALL AND REROUTE TO PANEL AND/ OR PROVIDE J-BOX IN CEILING TO INTERCEPT AND EXTEND EXISTING BRANCH CIRCUITS TO NEW LOCATION.
2. DISCONNECT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

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 CIRCUIT MADE SPARE DUE TO UNIT VENTILATION REMOVAL.

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.

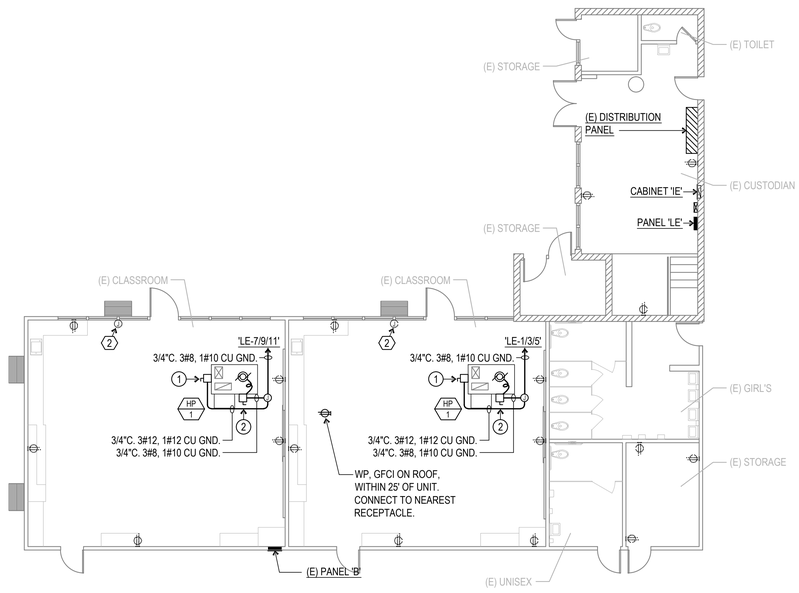


POWER FLOOR PLAN

BUILDING 'A'

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

0 4' 8' 12' 16' 24' NORTH



POWER FLOOR PLAN

BUILDING 'E'

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

0 4' 8' 12' 16' 24' NORTH

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL MODERNIZATION

2400 TRUXTUN AVENUE
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

LICENSED ARCHITECT
STEPHEN J. CORBIN
No.C-16788
REN. 31/08/23
STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

DPG
Engineering Inc.
6702 N. Cedar Suite 205
Fresno, Ca. 93710
Ph. (559) 276-0144
Fax (559) 903-4929
Email @ dpgengineering.com

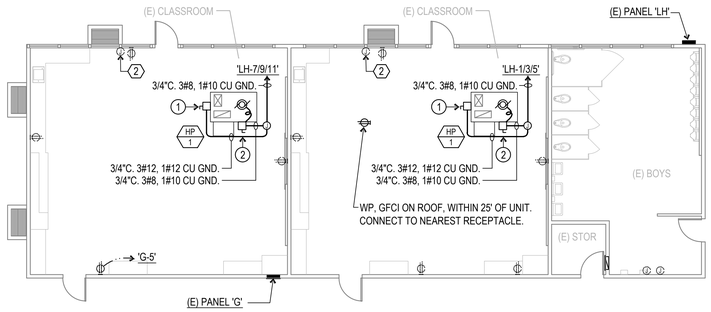
REGISTERED PROFESSIONAL ENGINEER
TREVOR P. GOLTZ
17151
EXP. 09/30/23
ELECTRICAL
STATE OF CALIFORNIA

BLDGS A,C,D,E
POWER
FLOOR PLANS
AND NOTES

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN : R.L.M.
CHECKED : D.P.G.
DATE : 12/6/21

3.10
OF SHEETS

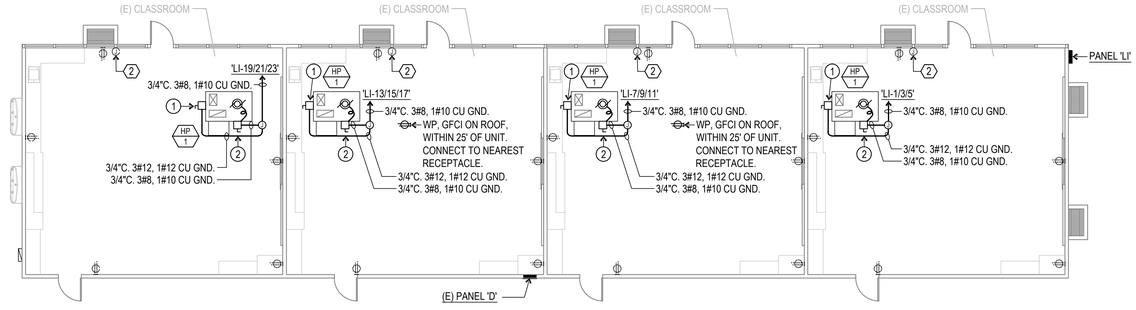


POWER FLOOR PLAN

BUILDING 'H'

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

0 4' 8' 12' 16' 24' NORTH

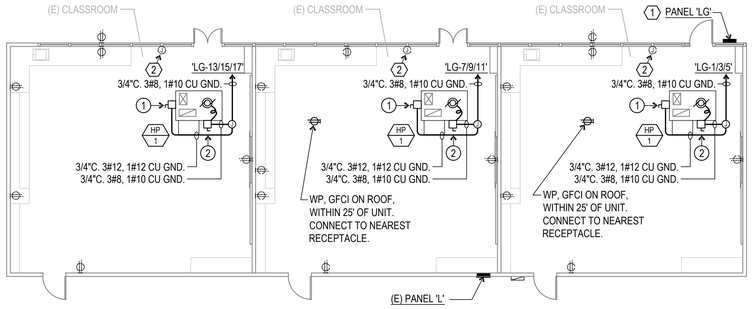


POWER FLOOR PLAN

BUILDING 'I'

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

0 4' 8' 12' 16' 24' NORTH

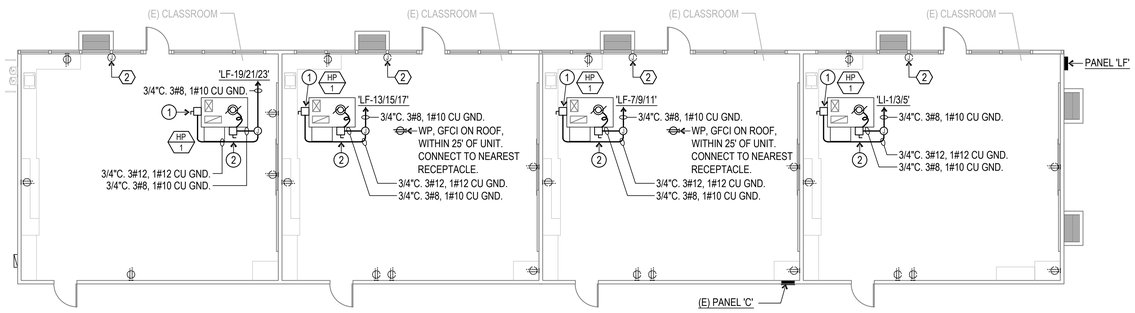


POWER FLOOR PLAN

BUILDING 'G'

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

0 4' 8' 12' 16' 24' NORTH



POWER FLOOR PLAN

BUILDING 'F'

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

0 4' 8' 12' 16' 24' NORTH

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 POWER TO UNIT VENTILATOR PROVIDE BLANK COVER AND LABEL CIRCUIT BREAKER AS SPARE.
3. DISCONNECT AND REMOVE EXISTING ELECTRICAL DEVICES. REFER TO DEMO NOTES.

POWER REFERENCE NOTES

1. POWERED EXHAUST FUSED DISCONNECT.
2. HP FUSED DISCONNECT.

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN J. CORBIN No.C-16785 REN. 11/30/23 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

DPG
Engineering Inc.
4710 N. Cedar Suite 205
Fresno, Ca. 93710
Ph. (559) 276-5144
Fax (559) 903-4929
Email @ dpgengineering.com

REGISTERED PROFESSIONAL ENGINEER TIMOTHY P. DOCTY 17151 EXP. 09/30/23 ELECTRICAL STATE OF CALIFORNIA

BLDGS F,G,H & I
POWER
FLOOR PLANS
AND NOTES

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO.	1316
DRAWN :	R.L.M.
CHECKED :	D.P.G.
DATE :	12/6/21

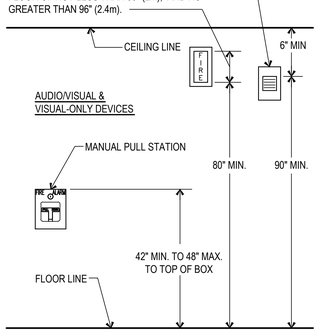
3.20
OF SHEETS

FIRE DETECTION SYSTEM NOTES:

1. ALL WIRING IS SHOWN DIAGRAMMATICALLY. CONTRACTOR MAY VARY SEQUENCE OR CIRCUITRY: HOWEVER, ALL CIRCUITS SHALL BE CONTINUOUS AND SUPERVISED FROM DEVICE TO DEVICE OR FATC TO DEVICE OR FACP TO FATC OR FATC TO FATC. NO PARALLEL BRANCHING SHALL BE ALLOWED. ANY CONNECTION OF ANY BREAK IN ANY CONDUCTOR SHALL BE BY TERMINAL CONNECTION AT A DEVICE OR AT A FATC ONLY.
2. ALL CONNECTIONS SHALL BE PROPERLY LABELED BY CONDUCTOR AND SHALL HAVE STAKE ON LUG CONNECTORS. PANDUIT TAG (TIE WRAP) SEPARATE.
3. FIRE ALARM TERMINAL CABINETS SHALL HAVE SUFFICIENT SPACE, TERMINAL BOARDS AND SCREW TERMINAL CONNECTORS TO ALLOW CONNECTION OF ALL CONDUCTORS SHOWN. CONTRACTOR SHALL BE REQUIRED TO SUBMIT WITH HIS OTHER SHOP DRAWINGS, DETAILED DRAWINGS OF HIS PROPOSED CONNECTIONS AT EACH FIRE ALARM TERMINAL CABINET PRIOR TO COMMENCING ANY WORK.
4. FIRE ALARM PANEL, REMOTES AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED 20 LBS WITHOUT SPECIAL MOUNTING DETAILS. FIRE ALARM CONTROL PANELS AND REMOTE ANNUNCIATORS SHALL BE INSTALLED WITH THEIR BOTTOMS AT +48" ABOVE FINISHED FLOOR.
5. ALL FIRE ALARM WIRING SHALL BE FPLOR FPLP (FIRE POWER LIMITED OR FIRE POWER LIMITED PLENUM AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE TYPE #12 & #14 AWG, STRANDED (19 STRANDS OR LESS) COPPER THHN OR THWN OR #16/2 SLC LOOP UNLESS OTHERWISE NOTED. UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND WIRE TO BE APPROVED FOR WET LOCATIONS.
6. ALL PENETRATIONS THROUGH RATED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7. UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATIONS WITHIN THE FIRE ALARM SECTION.
7. INSTALLATION OF F.A. EQUIPMENT SHALL BE BY AN AUTHORIZED ENGINEERED SYSTEM DISTRIBUTOR FOR THE EQUIPMENT SPECIFIED BY THE MANUFACTURER FOR SALES, SERVICE, INSTALLATION AND MAINTENANCE. PROVIDE CERTIFICATIONS WITH EQUIPMENT SUBMITTALS. SUBMITTALS BY FIRMS NOT FULFILLING THIS REQUIREMENT WILL BE AUTOMATICALLY REJECTED. INSTALLER SHALL BE NICET LEVEL 3 CERTIFIED. INSTALLATION OF THE SYSTEMS SHALL NOT BE STARTED UNTIL DETAILED DESIGN DOCUMENTS AND SPECIFICATION, INCLUDING STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM, HAS BEEN APPROVED BY DSA. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND THE ARCHITECT / ENGINEER OF THE PROJECT.
8. A STAMPED SET OF APPROVED FIRE ALARM DESIGN DOCUMENTS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION
9. WRITTEN CERTIFICATION USING NFPA 72 INSPECTION AND TESTING FORM BY THE FIRE ALARM EQUIPMENT DISTRIBUTOR (OR VENDOR OR MANUFACTURER) SHALL BE SUBMITTED TO DSA (WITH COPIES TO THE ELECTRICAL ENGINEER AND THE ARCHITECT OF RECORD) AND THE INSTALLATION INCLUDES TESTING AND OPERATION THAT CONFORMS IN ALL RESPECTS TO THE REQUIREMENTS AS SET FORTH IN C.B.C. SECTION 907.8. THE CONTRACTOR SHALL COMPLETE A FIRE ALARM SYSTEM RECORD AND COMPLETION FORM AND SUBMIT TO DSA.
10. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY AND INSPECTOR OF RECORD. DSA, ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND OR TESTING.
11. THE CERTIFIED INSTALLER WILL BE REQUIRED TO PROVIDE ALL FACTORY WARRANTIES AT THE CLOSE UP OF THE PROJECT.
12. SMOKE DETECTORS SHALL BE MOUNTED MINIMUM 36" FROM SUPPLY AND RETURN AIR VENTS PER MANUFACTURER'S RECOMMENDATIONS AND NFPA72, 17.7.4.1.(2016 EDITION WITH SFM AMENDMENTS).
13. THE CONTRACTOR SHALL ARRANGE A MEETING WITH F.A. INSTALLER PRIOR TO ROUGH-IN TO COORDINATE THE INSTALLATION.
14. AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY CBC 907.6.5. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UUFX OR UUJS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY OWNER.
15. ALARM INDICATING DEVICES OF A FIRE ALARM SYSTEM INTENDED TO ALERT ALL OCCUPANTS SHALL CAUSE A LEVEL OF AUDIBILITY OF NOT LESS THAN 15 DBA ABOVE THE AVERAGE AMBIENT NOISE LEVELS OR 5DBA ABOVE MAXIMUM SOUND LEVEL HAVING A DURATION OF 60 SECONDS WHICH EVER IS GREATER. MEASURED 5' ABOVE THE FLOOR. AMBIENT NOISE LEVELS MEANS THE LEVEL WHICH CAN NORMALLY BE EXPECTED WHEN THE FACILITY, BUILDING, ROOM OR AREA IS FUNCTIONING UNDER NORMAL OPERATING OR WORKING CONDITIONS PER CFC 907.5.2.1.1. THE FIRE ALARM EVACUATION SIGNAL SHALL SOUND A SYNCHRONIZED THREE PULSE TEMPORAL PATTERN AS DESCRIBED IN NFPA 72 (CBC 907.5.2.1.3 AND NFPA 18.4.2.1.
16. THE CARBON MONOXIDE SIGNAL SHALL SOUND A FOUR PULSE TEMPORAL PATTERN PER NFPA 720 5.8.6.5.1
17. MICROPHONE ACCESSIBILITY SHALL COMPLY WITH CBC 11B-305 AND 11B-308
18. THE ALARM SYSTEM SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNINGS SHALL HAVE A FLASH RATE NOT EXCEEDING TWO FLASHES PER SECOND (2 HZ) NOR BE LESS THAN ONE FLASH EVERY SECOND (1 HZ). STROBE SIGNALING DEVICES FOR THE HEARING IMPAIRED SHALL BE STATE FIRE MARSHALL APPROVED AND LISTED. VISUAL NOTIFICATION APPLIANCES SHALL BE SYNCHRONIZED.
19. THE AUTOMATIC ALARM SYSTEM SHALL BE INSTALLED, TESTED, AND MAINTAINED IN ACCORDANCE WITH STATE FIRE MARSHAL'S REGULATIONS AS ADOPTED AND AMENDED IN THE 2019 EDITION, CBC CHAPTER 35 (CBC SEC. 907.7, 907.8) & NFPA 72, 2016 EDITION.
20. PROVIDE ACCESS HOLE FOR ALL ATTIC HEAT DETECTORS LOCATED IN NON-ACCESSIBLE CRAWL OR ATTIC SPACES.
21. ALL BATTERIES SHALL BE STAMPED WITH DATE PUT INTO SERVICE.
22. MANUAL PULL STATIONS SHALL NOT REQUIRE TIGHT GRIPPING, OR TWISTING OF THE WRIST TO OPERATE.
23. SYSTEM DESIGN SHALL BE IN ACCORDANCE WITH 2019 CBC, 2019 CFC, 2016 NFPA 72, NATIONAL FIRE ALARM AND SIGNALING CODE AND NFPA 720, STANDARD FOR THE INSTALLATION OF CARBON MONOXIDE DETECTION AND WARNING EQUIPMENT (2015)
24. THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
25. A DEDICATED BRANCH CIRCUIT SHALL BE PROVIDED FOR FIRE ALARM EQUIPMENT. THIS CIRCUIT SHALL BE ENERGIZED FROM THE COMMON USE AREA PANEL AND SHALL HAVE NO OTHER OUTLETS. THE BREAKER SHALL HAVE A RED LOCKING DEVICE TO BLOCK THE HANDLE IN THE "ON" POSITION. THE CIRCUIT BREAKER SHALL BE LABELED "FIRE ALARM CIRCUIT CONTROL" CIRCUIT ID TO BE LABELED AT FIRE PANEL/EXTENDERS.
26. ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT, SURFACE RACEWAYOR OPEN RUN ABOVE CEILINGS, UNDER FLOORS AND IN WALLS IN A NEAT AND PROTECTED MANNER AS INDICATED ON DESIGN DOCUMENTS. EXPOSED EXPOSED CIRCUITS ARE ONLY PERMITTED WHEN NOTED AS EXPOSED ON DESIGN DOCUMENTS.
27. PROVIDE FIRE WATCH TO COMPLY WITH DSA IRF-2 IF DURING CONSTRUCTION THE FIRE ALARM SYSTEM IS NOT OPERATIONAL AND STUDENTS ARE PRESENT IN CAMPUS.

AUDIBLE DEVICES: WHERE CEILING HEIGHTS PERMIT WALL-MOUNTED APPLIANCES SHALL HAVE THEIR TOPS AT HEIGHTS ABOVE FINISHED FLOORS OF NOT LESS THAN 90" (2.30 M) AND BELOW THE FINISHED CEILINGS OF NOT LESS THAN 6" (0.15m).

WALLMOUNTED APPLIANCES SHALL HAVE THEIR ENTIRE LENS AT HEIGHTS ABOVE THE FINISHED FLOOR OF NOT LESS THAN 80" (2m), AND NO GREATER THAN 96" (2.4m).



FIRE ALARM DEVICE SEQUENCE OF OPERATION MATRIX

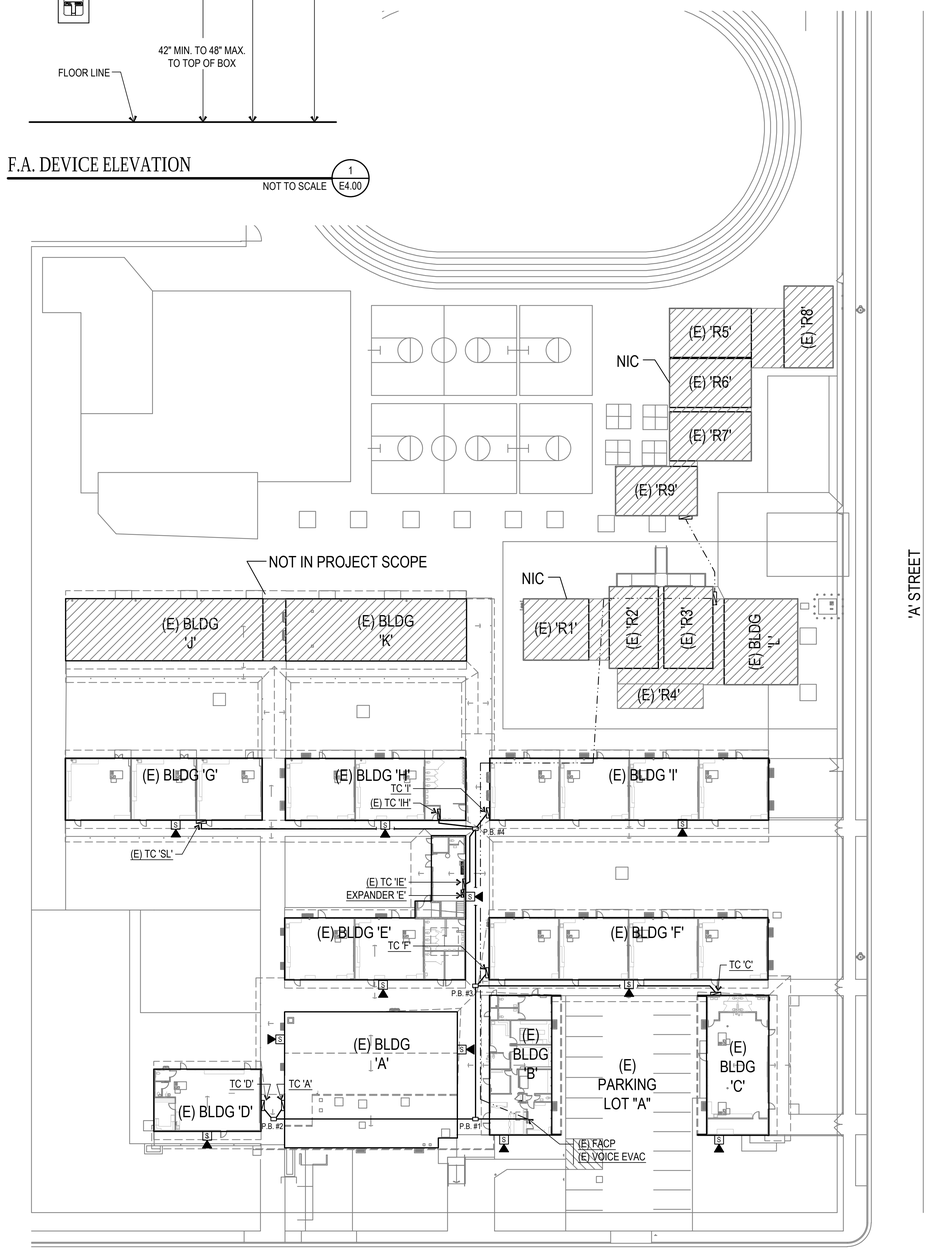
SYSTEM INPUT → / SYSTEM OUTPUT ↓	AREA SMOKE OR HEAT DETECTORS	CARBON MONOXIDE DETECTOR	SPRINKLER RISER FLOW SWITCH	SPRINKLER RISER TAMPER SWITCH	POWER FAILURE GROUND FAULT	TROUBLE	ELECTRICAL SUPERVISION	MANUAL PULL STATION
ANNUNCIATE AT ADMINISTRATION OFFICE	•		•	•	•	•	•	•
ANNUNCIATE AT ADMINISTRATION OFFICE (CARBON MONOXIDE DETECTION)		•						
ACTIVATE AUDIO/VISUAL THRU-OUT CAMPUS	•		•					•
CENTRAL STATION MONITORING	•		•	•	•			•
CLOSE FIRE SMOKE DAMPER	•							
SHUT DOWN HVAC UNIT	•				•			
ACTIVATE VOICE EVACUATION PANEL	•							
ACTIVATE AUDIO ALARM CLASSROOM ONLY		•						

FIRE ALARM SYMBOL SCHEDULE

SYMBOL	NAME	DESCRIPTION	CSFM #
(E)	EXISTING ITEM		
U.O.N.	UNLESS OTHERWISE NOTED		
	WIRING UNDERGROUND OR IN WALL	3/4"C MIN U.O.N.	
	EXISTING CONDUIT TO REMAIN		
FACP	FIRE ALARM CONTROL PANEL	HOCHIKI # FIRENET L@TITUDE	7165-0410:0506
EXP	FIRE ALARM EXPANDER PANEL	HOCHIKI # FN-642-ULADA	7315-0410:0166
EVAC	FIRE ALARM VOICE EVACUATION AMPLIFIER	HOCHIKI #EVAX-100	6911-0410::0176
A	ATTIC HEAT DETECTOR WITH BASE	HOCHIKI #ATJ-EA BASE #YBN-NSA-4	7270-0410:0203 7270-0410:0203
	PHOTOELECTRIC SMOKE DETECTOR WITH BASE	HOCHIKI #ALN-V BASE #HSB-NSA-6	7272-0410:0204 7272-0410:0204
SB CO	MULTI CRITERIA (CO) DETECTOR WITH BASE	HOCHIKI #ACD-V SOUNDER BASE #ASBL	7275-0410:0503 7300-0410:0210
xW C(MC)cd	F.A. SPEAKER / STROBE. (CEILING MTD.) xW = WATTAGE C = CEILING MOUNTED, (MC)cd= MULTI-CANDELA SETTINGS	HOCHIKI #HSSPKCLPW (SEE PLANS FOR SETTINGS)	7320-0410:0194
xW W(MC)cd	F.A. SPEAKER / STROBE. (WALL MTD.) xW = WATTAGE W = WALL MOUNTED, (MC)cd= MULTI-CANDELA SETTINGS	HOCHIKI #HSSPK24WLPR (SEE PLANS FOR SETTINGS)	7320-0410:0195
Ccd	F.A. VISUAL (CEILING MTD.) C = CEILING MTD + cd= MULTI-CANDELA SETTINGS	HOCHIKI #HCS24PCW (SEE PLANS FOR SETTINGS)	7125-0410:0188
Wcd	F.A. VISUAL (WALL MTD.) W = WALL MTD + cd= MULTI-CANDELA SETTINGS	HOCHIKI #HES3-24WR (SEE PLANS FOR SETTINGS)	7320-0410:0188
S xW	FIRE ALARM EXTERIOR SPEAKER. (WALL MTD.) xW = WATTAGE	GENTEX #WSSPKR (SEE PLANS FOR SETTINGS)	7320-0569:0141
	END-OF-LINE RESISTOR	PER MANUFACTURER SPECIFICATION	

F.A. DEVICE ELEVATION

NOT TO SCALE — 1 / E4.00



FIRE ALARM SITE PLAN

-

SCALE : 1" = 30'-0"

0 15' 30' 45' 60' 90' NORTH

FA CABLE SCHEDULE

'A'	ADDRESSABLE FA COMMUNICATION CABLE	WEST PENN #D990 (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"C EMT RED MIN.

FIRE ALARM ACCEPTANCE TEST

1. TESTING OF ALL DEVICES AND APPLIANCES, INCLUDING THE BATTERY-(IES), SHALL BE PERFORMED. ALL MANUFACTURER OPERATING RANGES SHALL BE MET.
2. INSPECTION TESTING AND MAINTENANCE OF SYSTEMS, THEIR INITIATING DEVICES AND NOTIFICATION APPLIANCES SHALL COMPLY WITH CHAPTER 14 OF NFPA 72 AND DOCUMENTATION WITH NFPA 72, CHAPTER 7.
3. TESTING OF THE SUPERVISING STATION SIGNALS, AS WELL AS RELAY TO THE APPROPRIATE RESPONDING AGENCY, SHALL BE INCLUDED IN THE ACCEPTANCE TESTING. THE PROJECT INSPECTOR SHALL WITNESS THE ACCEPTANCE INSPECTION AND SHALL SIGN AS THE AHJ REPRESENTATIVE ON THE "SYSTEM RECORD OF COMPLETION" AT SECTION 12.3 [NFPA 72, FIGURE 7.8.2(a)], AND THE "SYSTEM RECORD OF INSPECTION AND TESTING" AT SECTION 10.1 [NFPA 72, FIGURE 7.8.2 (g)].
4. ALL SUPPLEMENTARY RECORDS SHALL BE ATTACHED AS APPLICABLE. THE PROJECT INSPECTOR SHALL VERIFY THAT THE FIRE ALARM SYSTEM IS IN SERVICE PRIOR TO COMPLETION OF THE "SYSTEM RECORD OF COMPLETION" FORM.
5. ALL ORIGINAL DOCUMENTATION SHALL BE RETAINED IN THE REQUIRED DOCUMENTATION CABINET. (NFPA 72, 7.7.2).

FIRE ALARM RECORD DOCUMENTS CABINET NFPA 72, 7.7.2

1. EVERY NEW FIRE ALARM SYSTEM SHALL PROVIDE A DOCUMENTATION CABINET, INSTALLED AT THE SYSTEM CONTROL PANEL OR APPROVED LOCATION.
2. THE DOCUMENTATION CABINET SHALL BE PROMINENTLY LABELED, "SYSTEM RECORD DOCUMENTS".
3. ALL RECORD AND TESTING DOCUMENTATION SHALL BE STORED IN THE CABINET.
4. CONTENTS SHALL BE ACCESSIBLE BY AUTHORIZED PERSONNEL ONLY.
5. WHERE CABINET IS INSTALLED IN A LOCATION OTHER THAN THE SYSTEM CONTROL UNITS, ITS LOCATION SHALL BE IDENTIFIED AT THE SYSTEM CONTROL UNIT.

SYSTEM DOCUMENTS AS APPLICABLE :

1. RECORD DRAWINGS / AS-BUILTS.
2. EQUIPMENT CUT SHEETS & CA SFM LISTINGS.
3. ALTERNATIVE MEANS AND METHODS.
4. PERFORMANCE BASED DESIGN DOCUMENTATION (NFPA 72, 7.3.7).
5. SYSTEM RECORD OF COMPLETION & ANY SUPPLEMENTAL INSPECTION AND TESTING DOCUMENTATION (NFPA 72, 7.8.2).
6. EMERGENCY RESPONSE PLAN (NFPA 72, 7.3.8).
7. EVALUATION DOCUMENTATION (NFPA 72, 7.3.9).
8. RISK ANALYSIS DOCUMENTATION (NFPA 72, 7.3.6).
9. SOFTWARE & FIRMWARE CONTROL DOCUMENTATION (NFPA 72, 23.2.2).

NOT CORRECTED

CENTRAL STATION INFORMATION
MONITORING TYPE: CENTRAL STA.
A2Z TECHNOLOGIES INC
2210 CHESTER AVENUE SUITE B
BAKERSFIELD CA. 93301
SUBSCRIBER NO. 330274
ACTIVE LISTING:
LIC #814621
(ALSO, SEE GENERAL NOTES)

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL MODERNIZATION

2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN J. CORBIN No.C-16788 REN.31/08/23 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

DPG
Engineering Inc.
4703 N. Cedar Suite 205
Fresno, Ca. 93710
Ph. (559) 275-5144
Fax (559) 900-4929
Email @ dpgengineering.com

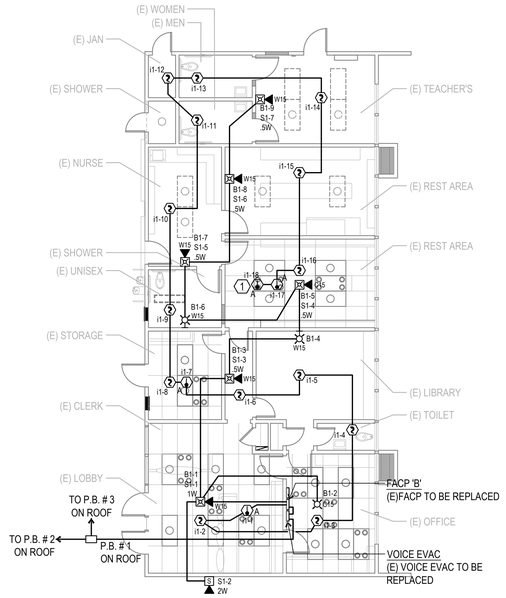
REGISTERED PROFESSIONAL ENGINEER ANTHONY P. DOLCI 17151 EXP. 09/30/23 ELECTRICAL STATE OF CALIFORNIA

F.A. SITE PLAN, SYMBOL LEGEND, DETAILS, NOTES AND SCHEDULES

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO.	1316
DRAWN :	R.L.M.
CHECKED :	D.P.G.
DATE :	12/6/21

4.00 OF SHEETS

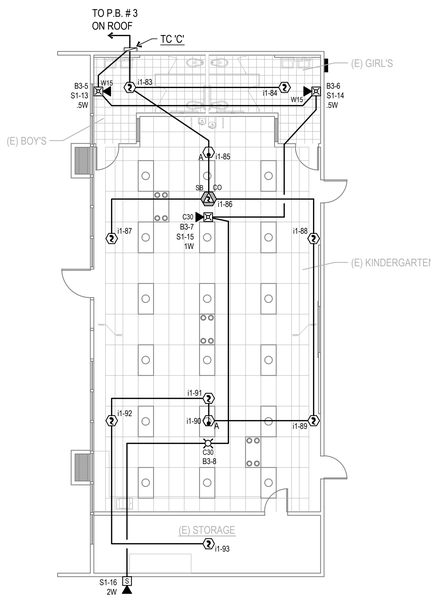


FIRE ALARM FLOOR PLAN

BUILDING 'B'

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

0 4' 8' 12' 16' 24' NORTH



FIRE ALARM FLOOR PLAN

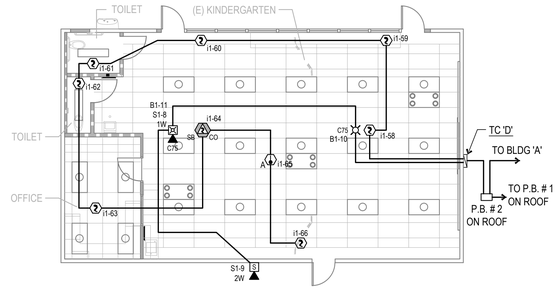
BUILDING 'C'

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

0 4' 8' 12' 16' 24' NORTH

REFERENCE NOTES

1 HEAT DETECTOR AT APEX OF RAISED ROOF.

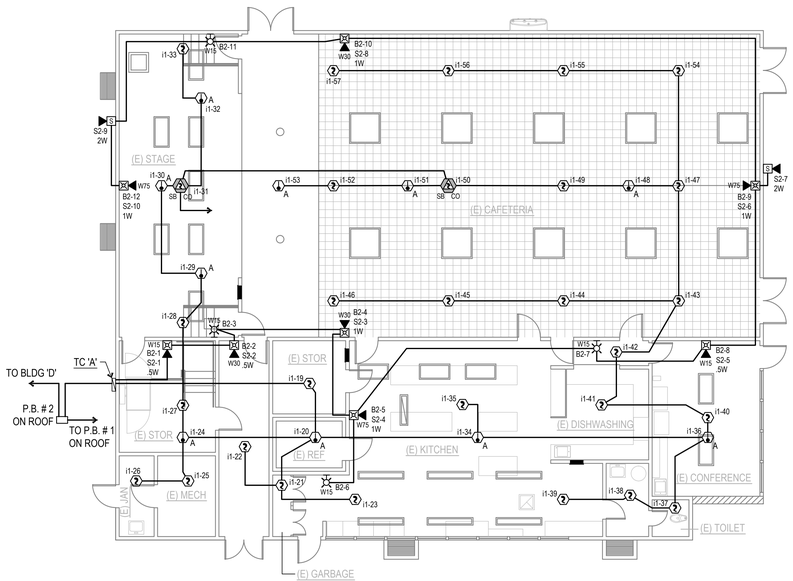


FIRE ALARM FLOOR PLAN

BUILDING 'D'

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

0 4' 8' 12' 16' 24' NORTH

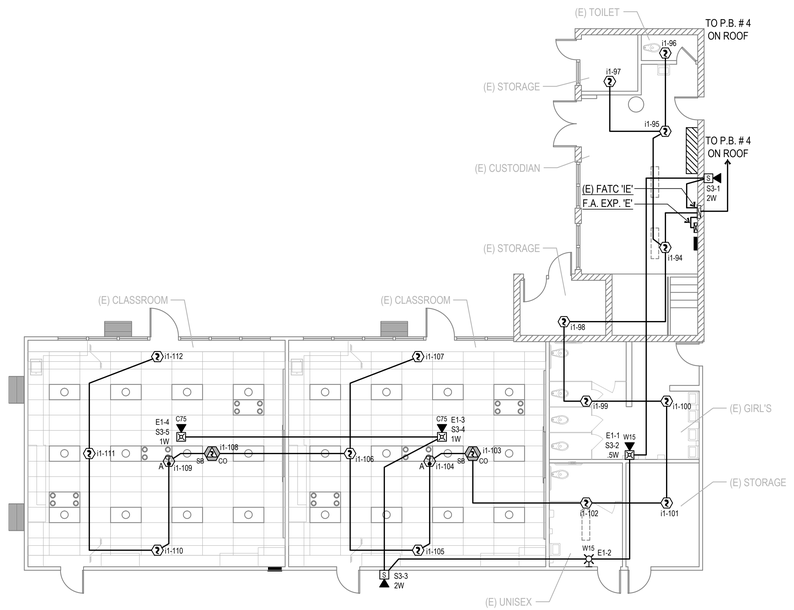


FIRE ALARM FLOOR PLAN

BUILDING 'A'

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

0 4' 8' 12' 16' 24' NORTH



FIRE ALARM FLOOR PLAN

BUILDING 'E'

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

0 4' 8' 12' 16' 24' NORTH

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL MODERNIZATION

2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT STEPHEN J. CORBIN No.C-16785 REN 31/08/23 STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

DPG
Engineering Inc.
4710 N. Cedar Suite 205
Fresno, Ca. 93710
Ph: (559) 276-5144
Fax (559) 900-4929
Email @ dpgengineering.com

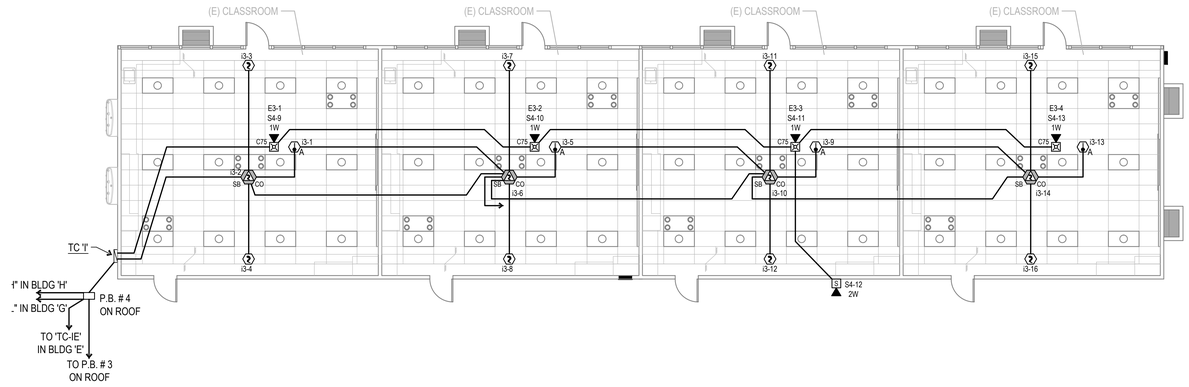
REGISTERED PROFESSIONAL ENGINEER VICTOR P. DOLCI 17151 EXP. 09/30/23 ELECTRICAL STATE OF CALIFORNIA

BLDGS A,B,C,D,E
FIRE ALARM
FLOOR PLANS

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN : R.L.M.
CHECKED : D.P.G.
DATE : 12/6/21

4.10 OF SHEETS

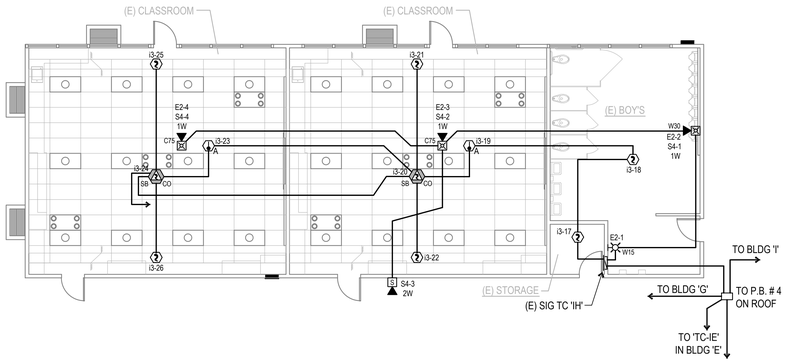


LIGHTING FLOOR PLAN

BUILDING 'I'

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

0 4' 8' 12' 16' 24' NORTH

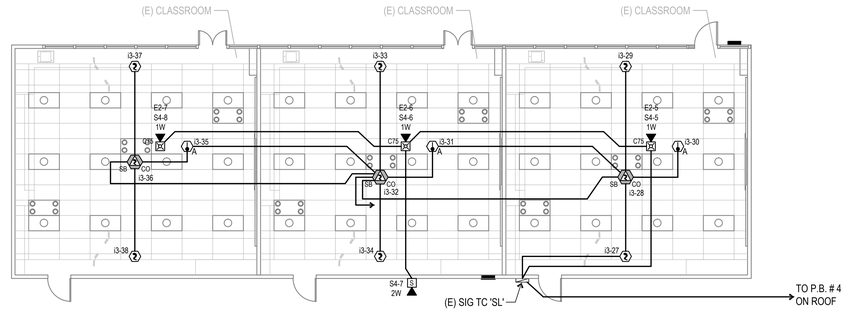


LIGHTING FLOOR PLAN

BUILDING 'H'

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

0 4' 8' 12' 16' 24' NORTH

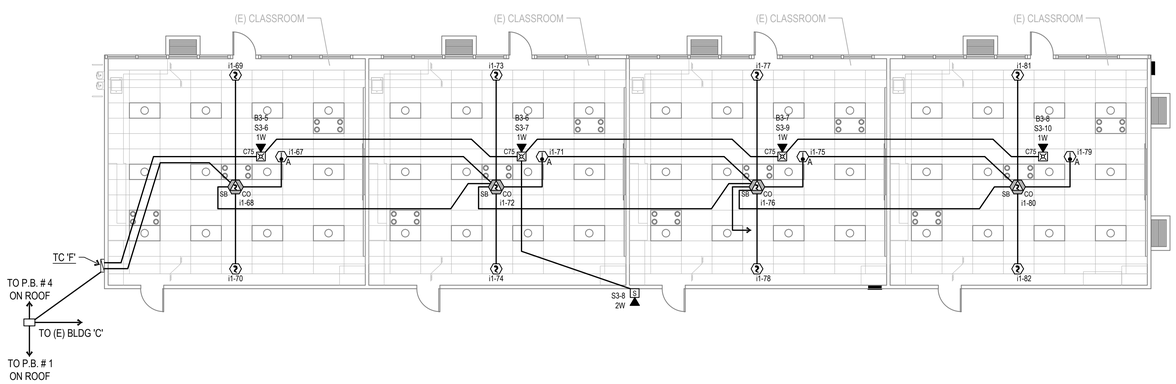


LIGHTING FLOOR PLAN

BUILDING 'G'

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

0 4' 8' 12' 16' 24' NORTH



LIGHTING FLOOR PLAN

BUILDING 'F'

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

0 4' 8' 12' 16' 24' NORTH

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT
STEPHEN J. CORBIN
No.C-16788
REN.31/08/23
STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

DPG
Engineering Inc.
4702 N. Cedar Suite 205
Fresno, Ca. 93710
Ph. (559) 276-5144
Fax (559) 900-4929
Email @ dpgengineering.com

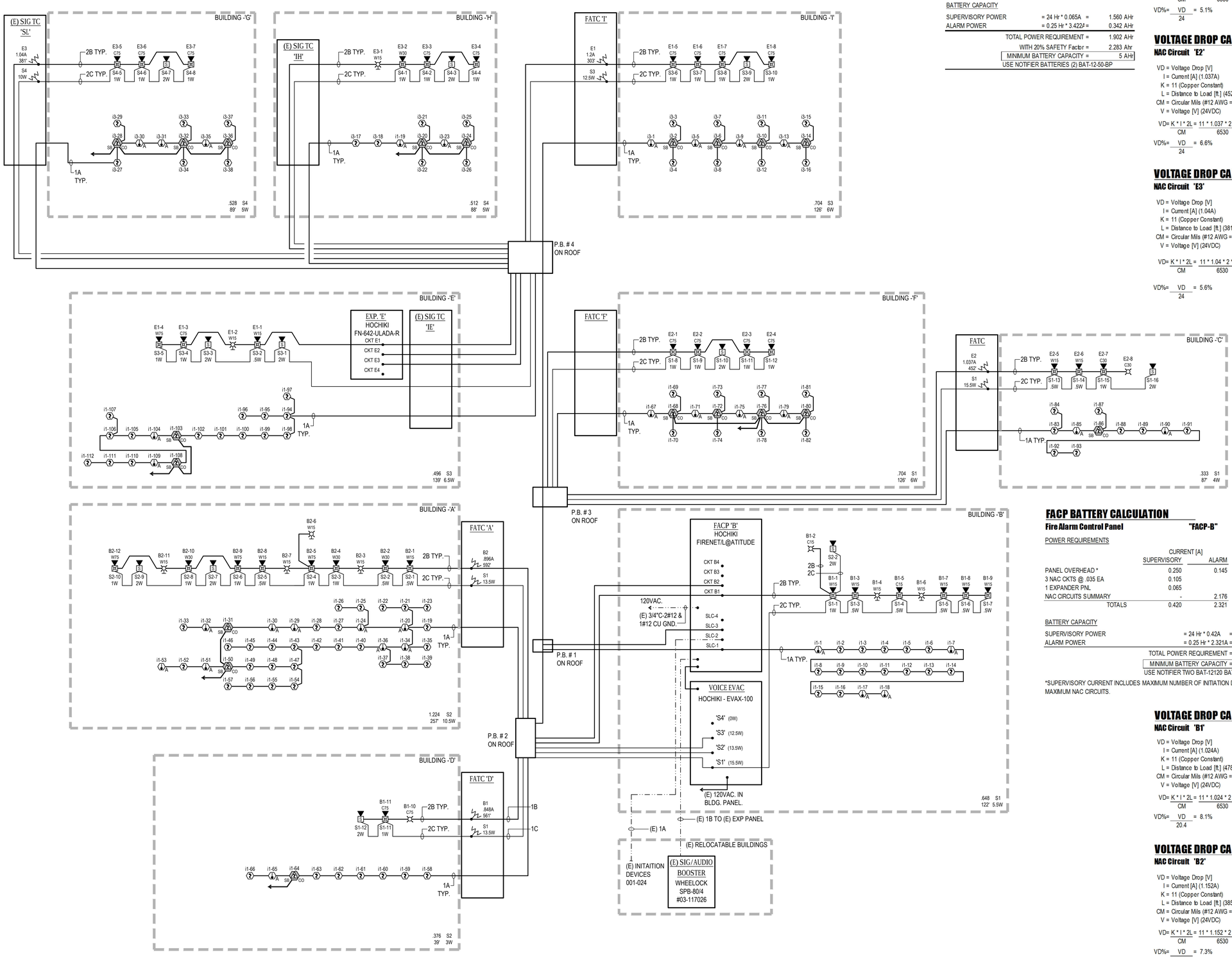
REGISTERED PROFESSIONAL ENGINEER
DENTON P. GOLT
17151
EXP. 09/30/23
ELECTRICAL
STATE OF CALIFORNIA

BLDGS F,G,H & I
FIRE ALARM
FLOOR PLANS

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN : R.L.M.
CHECKED : D.P.G.
DATE : 12/6/21

4.20 OF SHEETS



NAC EXTENDER BATTERY CALCULATION

Extender Panel "E"

POWER REQUIREMENTS

	CURRENT [A] SUPERVISORY	ALARM
PANEL OVERHEAD	0.065	0.145
NAC CIRCUITS	-	3.277
TOTALS	0.065	3.422

BATTERY CAPACITY

SUPERVISORY POWER	= 24 Hr * 0.065A =	1.560 AHr
ALARM POWER	= 0.25 Hr * 3.422A =	0.342 AHr
TOTAL POWER REQUIREMENT =		1.902 AHr
WITH 20% SAFETY Factor =		2.283 Ahr
MINIMUM BATTERY CAPACITY =		5 AHr

USE NOTIFIER BATTERIES (2) BAT-12-50-BP

VOLTAGE DROP CALCULATION

NAC Circuit 'E1'

VD = Voltage Drop [V]
I = Current [A] (1.2A)
K = 11 (Copper Constant)
L = Distance to Load [ft.] (303')
CM = Circular Mils (#12 AWG = 6530)
V = Voltage [V] (24VDC)

$VD = \frac{K * I * 2L}{CM} = \frac{11 * 1.2 * 2 * 303'}{6530} = 1.225\ V$

$VD\% = \frac{VD}{24} = 5.1\%$

VOLTAGE DROP CALCULATION

NAC Circuit 'E2'

VD = Voltage Drop [V]
I = Current [A] (1.037A)
K = 11 (Copper Constant)
L = Distance to Load [ft.] (452')
CM = Circular Mils (#12 AWG = 6530)
V = Voltage [V] (24VDC)

$VD = \frac{K * I * 2L}{CM} = \frac{11 * 1.037 * 2 * 452}{6530} = 1.579\ V$

$VD\% = \frac{VD}{24} = 6.6\%$

VOLTAGE DROP CALCULATION

NAC Circuit 'E3'

VD = Voltage Drop [V]
I = Current [A] (1.04A)
K = 11 (Copper Constant)
L = Distance to Load [ft.] (381')
CM = Circular Mils (#12 AWG = 6530)
V = Voltage [V] (24VDC)

$VD = \frac{K * I * 2L}{CM} = \frac{11 * 1.04 * 2 * 381'}{6530} = 1.335\ V$

$VD\% = \frac{VD}{24} = 5.6\%$

FACP BATTERY CALCULATION

Fire Alarm Control Panel "FACP-B"

POWER REQUIREMENTS

	CURRENT [A] SUPERVISORY	ALARM
PANEL OVERHEAD *	0.250	0.145
3 NAC CKTS @ .035 EA	0.105	
1 EXPANDER PNL	0.065	
NAC CIRCUITS SUMMARY	-	2.176
TOTALS	0.420	2.321

BATTERY CAPACITY

SUPERVISORY POWER	= 24 Hr * 0.42A =	10.080 AHr
ALARM POWER	= 0.25 Hr * 2.321A =	0.232 AHr
TOTAL POWER REQUIREMENT =		10.312 AHr
MINIMUM BATTERY CAPACITY =		12 AHr

USE NOTIFIER TWO BAT-12120 BATTRIES

*SUPERVISORY CURRENT INCLUDES MAXIMUM NUMBER OF INITIATION DEVICES AND MAXIMUM NAC CIRCUITS.

VOLTAGE DROP CALCULATION

NAC Circuit 'B1'

VD = Voltage Drop [V]
I = Current [A] (1.024A)
K = 11 (Copper Constant)
L = Distance to Load [ft.] (478')
CM = Circular Mils (#12 AWG = 6530)
V = Voltage [V] (24VDC)

$VD = \frac{K * I * 2L}{CM} = \frac{11 * 1.024 * 2 * 478}{6530} = 1.649\ V$

$VD\% = \frac{VD}{20.4} = 8.1\%$

VOLTAGE DROP CALCULATION

NAC Circuit 'B2'

VD = Voltage Drop [V]
I = Current [A] (1.152A)
K = 11 (Copper Constant)
L = Distance to Load [ft.] (385')
CM = Circular Mils (#12 AWG = 6530)
V = Voltage [V] (24VDC)

$VD = \frac{K * I * 2L}{CM} = \frac{11 * 1.152 * 2 * 385}{6530} = 1.494\ V$

$VD\% = \frac{VD}{20.4} = 7.3\%$

FIRE ALARM SINGLE LINE DIAGRAM

NO SCALE

-

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

ARCHITECT
S.C.A. Inc.
1601 NEW STINE ROAD, SUITE 280
BAKERSFIELD, CA 93309
PH: (661) 397-4377
FAX: (661) 397-4378
WWW.SCARCHITECT.COM
LICENSED ARCHITECT STEPHEN J. CORBIN No.C-16788 REN. 31/08/23 STATE OF CALIFORNIA
STEPHEN J. CORBIN, NCARB, AIA, LEED ®-AP

DPG Engineering Inc.
6702 N. Cedar Suite 205
Fresno, Ca. 93710
Ph. (559) 276-5144
Fax (559) 903-4929
Email @ dpgengineering.com
REGISTERED PROFESSIONAL ENGINEER DENTON P. GOLDEN 17151 EXP. 09/30/23 ELECTRICAL STATE OF CALIFORNIA

FIRE ALARM SINGLE LINE DIAGRAM

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN : R.L.M.
CHECKED : D.P.G.
DATE : 12/6/21

4.30 OF SHEETS

PANEL 'LE'

VOLTAGE: **277/480 VOLT 3 PHASE 4 W** | MAIN: **90/3**
BUS RATING: **100A CU** | BREAKER STYLE: **BOLT ON**
FEEDER: **REFER TO SINGLE LINE DIAGRAM** | MTG STYLE: **SURFACE**

CT #	VA LOAD PER PHASE A	B	C	LOAD DESCRIPTION	LOAD TYPE LT	RC	HT	MO	MS	CB	CB	LOAD TYPE LT	RC	HT	MO	MS	LOAD DESCRIPTION	VA LOAD PER PHASE A	B	C	CT #
1	7840			HP-1				1		40	a						SPACE				2
3		7840		----------				1		-	b						SPACE				4
5			7840	----------				1		3	c						SPACE				6
7	7840			HP-1				1		40	a						SPACE				8
9		7840		----------				1		-	b						SPACE				10
11			7840	----------				1		3	c						SPACE				12
13				SPACE							a						SPACE				14
15				SPACE							b						SPACE				16
17				SPACE							c						SPACE				18
19				SPACE							a						SPACE				20
21				SPACE							b						SPACE				22
23				SPACE							c						SPACE				24
25				SPACE							a						SPACE				26
27				SPACE							b						SPACE				28
29				SPACE							c						SPACE				30
31				SPACE							a						SPACE				32
33				SPACE							b						SPACE				34
35				SPACE							c						SPACE				36
37				SPACE							a						SPACE				38
39				SPACE							b						SPACE				40
41				SPACE							c						SPACE				42
	15680	15680	15680	SUB TOTAL													SUB TOTAL	0	0	0	

LOAD SUMMARY BY TYPE	CONNECTED	DEMAND FACTOR	DEMAND
LIGHTING:	0	125%	0
RECEPTACLES:	0	100%	0
HEATING:	0	100%	0
HVAC AND MOTORS:	47040	100%	47040
MISCELLANEOUS	0	100%	0

TOTAL VA	15680	15680	15680
CONNECTED AMPS	57	57	57

PANEL 'LC'

VOLTAGE: **277/480 VOLT 3 PHASE 4 W** | MAIN: **50/3**
BUS RATING: **100A CU** | BREAKER STYLE: **BOLT ON**
FEEDER: **REFER TO SINGLE LINE DIAGRAM** | MTG STYLE: **SURFACE NEMA 3R**

CT #	VA LOAD PER PHASE A	B	C	LOAD DESCRIPTION	LOAD TYPE LT	RC	HT	MO	MS	CB	CB	LOAD TYPE LT	RC	HT	MO	MS	LOAD DESCRIPTION	VA LOAD PER PHASE A	B	C	CT #
1	5263			HP-2				1		30	a						SPACE				2
3		5263		----------				1		-	b						SPACE				4
5			5263	----------				1		3	c						SPACE				6
7	5263			HP-2				1		30	a						SPACE				8
9		5263		----------				1		-	b						SPACE				10
11			5263	----------				1		3	c						SPACE				12
13				SPACE							a						SPACE				14
15				SPACE							b						SPACE				16
17				SPACE							c						SPACE				18
19				SPACE							a						SPACE				20
21				SPACE							b						SPACE				22
23				SPACE							c						SPACE				24
25				SPACE							a						SPACE				26
27				SPACE							b						SPACE				28
29				SPACE							c						SPACE				30
31				SPACE							a						SPACE				32
33				SPACE							b						SPACE				34
35				SPACE							c						SPACE				36
37				SPACE							a						SPACE				38
39				SPACE							b						SPACE				40
41				SPACE							c						SPACE				42
	10526	10526	10526	SUB TOTAL													SUB TOTAL	0	0	0	

LOAD SUMMARY BY TYPE	CONNECTED	DEMAND FACTOR	DEMAND
LIGHTING:	0	125%	0
RECEPTACLES:	0	100%	0
HEATING:	0	100%	0
HVAC AND MOTORS:	31578	100%	31578
MISCELLANEOUS	0	100%	0

TOTAL VA	10526	10526	10526
CONNECTED AMPS	38	38	38

PANEL 'LF'

VOLTAGE: **277/480 VOLT 3 PHASE 4 W** | MAIN: **175/3**
BUS RATING: **200A CU** | BREAKER STYLE: **BOLT ON**
FEEDER: **REFER TO SINGLE LINE DIAGRAM** | MTG STYLE: **SURFACE NEMA 3R**

CT #	VA LOAD PER PHASE A	B	C	LOAD DESCRIPTION	LOAD TYPE LT	RC	HT	MO	MS	CB	CB	LOAD TYPE LT	RC	HT	MO	MS	LOAD DESCRIPTION	VA LOAD PER PHASE A	B	C	CT #
1	7840			HP-1				1		40	a						SPACE				2
3		7840		----------				1		-	b						SPACE				4
5			7840	----------				1		3	c						SPACE				6
7	7840			HP-1				1		40	a						SPACE				8
9		7840		----------				1		-	b						SPACE				10
11			7840	----------				1		3	c						SPACE				12
13	7840			HP-1				1		40	a						SPACE				14
15		7840		----------				1		-	b						SPACE				16
17			7840	----------				1		3	c						SPACE				18
19	7840			HP-1				1		40	a						SPACE				20
21		7840		----------				1		-	b						SPACE				22
23			7840	----------				1		3	c						SPACE				24
25				SPACE							a						SPACE				26
27				SPACE							b						SPACE				28
29				SPACE							c						SPACE				30
31				SPACE							a						SPACE				32
33				SPACE							b						SPACE				34
35				SPACE							c						SPACE				36
37	10526			PANEL LC						50	a						SPACE				38
39		10526		----------						-	b						SPACE				40
41			10526	----------						3	c						SPACE				42
	41886	41886	41886	SUB TOTAL													SUB TOTAL	0	0	0	

LOAD SUMMARY BY TYPE	CONNECTED	DEMAND FACTOR	DEMAND
LIGHTING:	0	125%	0
RECEPTACLES:	0	100%	0
HEATING:	0	100%	0
HVAC AND MOTORS:	94080	100%	94080
MISCELLANEOUS	0	100%	0

TOTAL VA	41886	41886	41886
CONNECTED AMPS	151	151	151

PANEL 'LI'

VOLTAGE: **277/480 VOLT 3 PHASE 4 W** | MAIN: **125/3**
BUS RATING: **125A CU** | BREAKER STYLE: **BOLT ON**
FEEDER: **REFER TO SINGLE LINE DIAGRAM** | MTG STYLE: **SURFACE NEMA 3R**

CT #	VA LOAD PER PHASE A	B	C	LOAD DESCRIPTION	LOAD TYPE LT	RC	HT	MO	MS	CB	CB	LOAD TYPE LT	RC	HT	MO	MS	LOAD DESCRIPTION	VA LOAD PER PHASE A	B	C	CT #
1	7840			HP-1				1		40	a						SPACE				2
3		7840		----------				1		-	b						SPACE				4
5			7840	----------				1		3	c						SPACE				6
7	7840			HP-1				1		40	a						SPACE				8
9		7840		----------				1		-	b						SPACE				10
11			7840	----------				1		3	c						SPACE				12
13	7840			HP-1				1		40	a						SPACE				14
15		7840		----------				1		-	b						SPACE				16
17			7840	----------				1		3	c						SPACE				18
19	7840			HP-1				1		40	a						SPACE				20
21		7840		----------				1		-	b						SPACE				22
23			7840	----------				1		3	c						SPACE				24
25				SPACE							a						SPACE				26
27				SPACE							b						SPACE				28
29				SPACE							c						SPACE				30
31				SPACE							a						SPACE				32
33				SPACE							b						SPACE				34
35				SPACE							c						SPACE				36
37				SPACE							a						SPACE				38
39				SPACE							b						SPACE				40
41				SPACE							c						SPACE				42
	31360	31360	31360	SUB TOTAL													SUB TOTAL	0	0	0	

LOAD SUMMARY BY TYPE	CONNECTED	DEMAND FACTOR	DEMAND
LIGHTING:	0	125%	0
RECEPTACLES:	0	100%	0
HEATING:	0	100%	0
HVAC AND MOTORS:	94080	100%	94080
MISCELLANEOUS:	0	100%	0

TOTAL VA	31360	31360	31360
CONNECTED AMPS	113	113	113

PANEL 'LH'

VOLTAGE: **277/480 VOLT 3 PHASE 4 W** | MAIN: **125/3**
BUS RATING: **125A CU** | BREAKER STYLE: **BOLT ON**
FEEDER: **REFER TO SINGLE LINE DIAGRAM** | MTG STYLE: **SURFACE NEMA 3R**

CT #	VA LOAD PER PHASE A	B	C	LOAD DESCRIPTION	LOAD TYPE LT	RC	HT	MO	MS	CB	CB	LOAD TYPE LT	RC	HT	MO	MS	LOAD DESCRIPTION	VA LOAD PER PHASE A	B	C	CT #
1	7840			HP-1				1		40	a						SPACE				2
3		7840		----------				1		-	b						SPACE				4
5			7840	----------				1		3	c						SPACE				6
7	7840			HP-1				1		40	a						SPACE				8
9		7840		----------				1		-	b						SPACE				10
11			7840	----------				1		3	c						SPACE				12
13				SPACE							a						SPACE				14
15				SPACE							b						SPACE				16
17				SPACE							c						SPACE				18
19				SPACE							a						SPACE				20
21				SPACE							b						SPACE				22
23				SPACE							c						SPACE				24
25				SPACE							a						SPACE				26
27				SPACE							b						SPACE				28
29				SPACE							c						SPACE				30
31				SPACE							a						SPACE				32
33				SPACE							b						SPACE				34
35				SPACE							c						SPACE				36
37	15680			PANEL LE						90	a						SPACE				38
39		15680		----------						-	b						SPACE				40
41			15680	----------						3	c						SPACE				42
	31360	31360	31360	SUB TOTAL													SUB TOTAL	0	0	0	

LOAD SUMMARY BY TYPE	CONNECTED	DEMAND FACTOR	DEMAND
LIGHTING:	0	125%	0
RECEPTACLES:	0	100%	0
HEATING:	0	100%	0
HVAC AND MOTORS:	47040	100%	47040
MISCELLANEOUS:	0	100%	0

TOTAL VA	31360	31360	31360
CONNECTED AMPS	113	113	113

Fixture Schedule

Luminaire							
Name	Type Description	Lamp Type	Watts per fixture	Manufacturer	Model Number	Mounting	Notes
A	2 X 4 LED	LED	35	ABL - LITHONIA	2BLT4 48LHE ADPT EZ1 LP840 N100	T-BAR	
Ae	2 X 4 LED	LED	35	ABL - LITHONIA	2BLT4 48LHE ADPT EZ1 E10WLCP LP840 N100	T-BAR	EMERGENCY BATTERY BACK UP
B	1 X 4 STRIP	LED	25	ABL - LITHONIA	CLXL48 4000 LM HEF RDL SPD MVOLT EZ1 40K 80 CRITHCLX	SURFACE	

PTN : 63321- FILE: 15-6

FRANKLIN ELEMENTARY SCHOOL
MODERNIZATION
2400 TRUXTUN AVENUE
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

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

LICENSED ARCHITECT
STEPHEN J. CORBIN
No.C-16785
REN. 11/30/23
STATE OF CALIFORNIA

STEPHEN J. CORBIN, NCARB, 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.

DPG
Engineering Inc.
4702 N. Cedar Suite 205
Fresno, Ca. 93710
Ph. (559) 276-5144
Fax (559) 900-4929
Email @ dpgengineering.com

REGISTERED PROFESSIONAL ENGINEER
TIMOTHY P. DOCTOR
17151
EXP. 09/30/23
ELECTRICAL
STATE OF CALIFORNIA

PANEL SCHEDULES AND FIXTURE SCHEDULE

MARK	DATE	REVISIONS
1		
2		
3		

JOB NO. 1316
DRAWN : R.L.M.
CHECKED : D.P.G.
DATE : 12/6/21

4.30
OF SHEETS