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ORG 194 K.B. Polk Center for Academically Talented & Gifted

100% Construction Documents
11 NOV 2024

Kirksey
ARCHITECTURE

Dallas + Houston + Austin

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kirksey.com

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11 NOVEMBER 2024

PROJECT NAME
ORG 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS
6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

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MATERIAL INDICATIONS

SECTION	ELEVATION	
		CONCRETE
		PRECAST CONCRETE
		CMU
		BRICK
		CAST/CUT STONE
		NATURAL STONE
		FINISHED WOOD
		METAL LATH & PLASTER
		CERAMIC/QUARRY TILE
		GLASS/MIRROR
		STEEL
		ALUMINUM
		BRASS/BRONZE
		GRADE/EARTH
		GRAVEL
		SAND
		CONT. WOOD BLOCKING
		DISCONT. WOOD SHIM
		PLYWOOD

SPRAYED FIREPROOFING
BATT/BLANKET INSUL.
RIGID INSUL.
GYPSUM SHEATHING
GYPSUM WALLBOARD
BACKER ROD & SEALANT
JOINT FILLER
ACOUS. CEILING
MINERAL WOOL

FINISH PLAN SYMBOLS

ROOM NAME ###-#
WALL FINISH NOTE ###-#
FLOOR FINISH ###-#
BASE FINISH NOTE ###-#
ROOM SYMBOL - FINISH PLAN

###-#
###-#
FINISH TRANSITION

WALL FINISH NOTE ###-#
BASE FINISH NOTE ###-#
FINISH NOTE

###-#
WALL FINISH NOTE

###-#
FLOOR FINISH NOTE

###-#
BASE FINISH NOTE

FLOOR FINISH START POINT

DEMO PLAN SYMBOLS

EXISTING DOOR, PARTITION AND/OR ELEMENT TO REMAIN-PROTECTED AGAINST DAMAGE DURING DEMOLITION

EXISTING DOOR, PARTITION AND/OR ELEMENT TO BE REMOVED / RELOCATED

LIFESAFETY PLAN SYMBOLS

130 / 340
TOP NUMBER: ACTUAL NUMBER OF OCCUPANTS USING THE STAIR FOR EGRESS
BOTTOM NUMBER: EGRESS CAPACITY OF STAIR (BASED ON IBC 1005.3.1)
OCCUPANCY LOAD (STAIR)

130 / 340
TOP NUMBER: ACTUAL NUMBER OF OCCUPANTS USING THE OPENING FOR EGRESS
BOTTOM NUMBER: EGRESS CAPACITY OF OPENING (BASED ON IBC 1005.3.2)
OCCUPANCY LOAD (DOOR)

3.01 — OCC TYPE = A-1 / OCCUPANTS = 250
AREA NUMBER
OCCUPANT TYPE
TOTAL OCCUPANTS
AREA TAG

TRAVEL DISTANCE = 000'-0" (MAX T.D. = 000'-0")
COMMON PATH OF EGRESS = 000'-0" (MAX C.P.E. = 000'-0")
DEAD END CORRIDOR = 000'-0" (MAX D.E.C. = 000'-0")
EGRESS PATHS

NR	NON RATED PARTITION	0S	0 HOUR SMOKE PARTITION
1F	1 HOUR FIRE RATED PARTITION/BARRIER	1S	1 HOUR SMOKE BARRIER
2F	2 HOUR FIRE RATED BARRIER	2S	2 HOUR SMOKE BARRIER
3F	3 HOUR FIRE RATED BARRIER	3S	3 HOUR SMOKE BARRIER
FE-1 FEC-1	FIRE EXTINGUSHER CABINET	ERT	EMERGENCY RESPIRATOR
FE001	FIRE EXTINGUSHER	ES	EMERGENCY SHOWER + EYE WASH
FE001	FIRE HOSE OR STANDPIPE CONNECTION	EW	EYE WASH
FHC-1	FIRE HOSE CABINET WITH EXTINGUISHER	EP	EAR PROTECTION
FA	FIRST AID CABINET	EW	EYE WEAR
AED	AUTOMATED EXTERNAL DEFIBRILLATOR (AED) CABINET	FP	FALL PROTECTION
KB	KNOX BOX	MR PT	MUSTER STATION
FB	FIRE BLANKET	SM	SMOKING AREA
ES	EMERGENCY SHOWER		

POWER PLAN SYMBOLS

WALL MOUNTED DEVICES

- WALL MOUNTED - SINGLE RECEPTACLE
- WALL MOUNTED - DUPLEX RECEPTACLE
- WALL MOUNTED - DUPLEX RECEPTACLE WITH USB PORT
- WALL MOUNTED - QUADRAPLEX RECEPTACLE
- WALL MOUNTED - 220 VOLT RECEPTACLE
- WALL MOUNTED - SPECIAL REQUIREMENT RECEPTACLE
- WALL MOUNTED - DATA RECEPTACLE
- WALL MOUNTED - VOICE RECEPTACLE
- WALL MOUNTED - DATA/VOICE RECEPTACLE
- WALL MOUNTED - POWER FURNITURE FEED
- WALL MOUNTED - DATA/VOICE FURNITURE FEED
- WALL MOUNTED - JUNCTION BOX
- WALL MOUNTED - SPECIALTY DEVICE & JUNCTION BOX
- WALL MOUNTED - THERMOSTAT
- WALL MOUNTED - CARD READER
- WALL MOUNTED - BIOMETERIC READER
- WALL MOUNTED - INTERCOM
- WALL MOUNTED - LIGHT SWITCH
- RECESSED WALL MOUNTED TV BACK BOX
- WALL MOUNTED - OFFICE DESK AV & POWER OUTLETS, SEE LEGEND ON POWER/DATA PLANS
- WALL MOUNTED - HUDDLE SPACE AV & POWER OUTLETS, SEE LEGEND ON POWER/DATA PLANS
- WALL MOUNTED - COPIER AV & POWER OUTLETS, SEE LEGEND ON POWER/DATA PLANS

FLOOR MOUNTED DEVICES

- FLOOR MOUNTED - SINGLE RECEPTACLE
- FLOOR MOUNTED - DUPLEX RECEPTACLE
- FLOOR MOUNTED - QUADRAPLEX RECEPTACLE
- FLOOR MOUNTED - 220 RECEPTACLE
- FLOOR MOUNTED - SPECIAL REQUIREMENT RECEPTACLE
- FLOOR MOUNTED - DATA RECEPTACLE
- FLOOR MOUNTED - VOICE RECEPTACLE
- FLOOR MOUNTED - DATA/VOICE RECEPTACLE
- FLOOR MOUNTED - COMBINATION DUPLEX & DATA/VOICE RECEPTACLE
- FLOOR MOUNTED - COMBINATION QUADRAPLEX & DATA/VOICE RECEPTACLE
- FLOOR MOUNTED - COMBINATION DUPLEX, DATA/VOICE, & AV RECEPTACLE
- FLOOR MOUNTED - COMBINATION QUADRAPLEX, DATA/VOICE, & AV RECEPTACLE
- FLOOR MOUNTED - POWER STUB-UP
- FLOOR MOUNTED - DATA/VOICE STUB-UP
- FLOOR MOUNTED - AV STUB-UP
- FLOOR MOUNTED - COMBINATION POWER & DATA/VOICE STUB-UP
- FLOOR MOUNTED - COMBINATION POWER, DATA/VOICE, & AV STUB-UP
- FLOOR MOUNTED - POWER FURNITURE FEED
- FLOOR MOUNTED - DATA/VOICE FURNITURE FEED
- FLOOR MOUNTED - AV FURNITURE FEED
- FLOOR MOUNTED - COMBINATION POWER & DATA/VOICE FURNITURE FEED
- FLOOR MOUNTED - COMBINATION POWER, DATA/VOICE, & AV FURNITURE FEED
- PP — CEILING MOUNTED - POWER POLE

TABLETOP DEVICES

- TABLETOP - SINGLE RECEPTACLE
- TABLETOP - DUPLEX RECEPTACLE
- TABLETOP - QUADRAPLEX RECEPTACLE
- TABLETOP - SPECIAL REQUIREMENT RECEPTACLE
- TABLETOP - DATA RECEPTACLE
- TABLETOP - VOICE RECEPTACLE
- TABLETOP - DATA/VOICE RECEPTACLE
- TABLETOP - COMBINATION DUPLEX & DATA/VOICE RECEPTACLE
- TABLETOP - COMBINATION QUADRAPLEX & DATA/VOICE RECEPTACLE
- AV — TABLETOP - COMBINATION DUPLEX, DATA/VOICE, & AV RECEPTACLE
- AV — TABLETOP - COMBINATION QUADRAPLEX, DATA/VOICE, & AV RECEPTACLE

SECURITY SYMBOLS

- SECURITY CAMERA - WALL MOUNTED - FIXED
- SECURITY CAMERA - WALL MOUNTED - PAN
- SECURITY CAMERA - CEILING MOUNTED - FIXED
- SECURITY CAMERA - CEILING MOUNTED - PAN
- PH — PANIC HARDWARE
- MD — MOTION DETECTOR
- ML — FAIL-SAFE MAGNETIC LOCK
- ES — ELECTRIC STRIKE
- EM — ELECTRIC MORTISE LOCK
- DC — DOOR RELEASE
- DC — DOOR CONTACT
- CR — CARD READER
- BR — BIOMETERIC READER
- EC — EMERGENCY CALL BUTTON
- RE — REQUEST TO EXIT BUTTON

CEILING PLAN SYMBOLS

ROOM NAME ###-#
CEILING FINISH ###-#
ROOM SYMBOL - CEILING PLAN

ROOM NAME ###-#
CEILING FINISH ###-#
CEILING HEIGHT ###-#
ROOM SYMBOL - CEILING PLAN

8'-##"
CEILING HEIGHT - ABOVE FINISH FLOOR (AFF)

SUSPENDED ACOUSTICAL CEILING GRID

SUSPENDED GYPSUM CEILING

STRETCHED FABRIC CEILING SYSTEM

EXIT SIGN - CEILING MOUNTED (ARROWS INDICATES DIRECTION OF EGRESS)

EXIT SIGN - WALL MOUNTED (ARROWS INDICATES DIRECTION OF EGRESS)

CEILING GRID START POINT

APC-1
CEILING FINISH TYPE

XXX-X / XXX-X
CEILING TRANSISTION

- S — SPEAKER
- M — MICROPHONE
- AV — AUDIO VISUAL DEVICE
- LS — LIGHT SENSOR
- WN — WHITE NOISE EMITTER
- WA — WIRELESS ACCESS POINT
- PS — PHOTOCELL SENSOR

LIGHTING SYMBOLS

LIGHTING SYMBOLS ARE GENERIC REPRESENTATIONS

FIXTURE DESIGNATION (TYPICAL - IF REQUIRED)

- A — TROFFER
- C — COVE
- D — DOWNLIGHT
- F — FLOOR
- G — GARAGE
- H — SCONCE
- M — MECH / ELEC / UTILITY STRIP
- P — PENDANT
- SA — SITE - POLE
- SB — SITE - MISC (ARCHITECTURAL / BUILDING)
- U — UNDER CABINET / UPPER CABINET
- V — VERTICAL
- W — WALL WASHER
- X — EXIT LIGHTING
- Z — MISC / OTHER

FLOOR PLAN SYMBOLS

EXISTING DOOR, PARTITION AND/OR ELEMENT TO REMAIN-PROTECTED AGAINST DAMAGE DURING CONSTRUCTION

12345
NEW DOOR, PARTITION AND/OR ELEMENT
DOOR NUMBER
(RE: DOOR SCHEDULE FOR TYPE AND HARDWARE INFORMATION.)(RE: DOOR MANEUVERING CLEARANCES SHEET)

N
NORTH ARROW

A5/A3.10
BUILDING ELEVATION / INTERIOR ELEVATION

A5 / A4.10 SIM
DETAIL NUMBER - TYP
SHEET NUMBER - TYP
BUILDING SECTION

A5 / A4.20 SIM
WALL SECTION

A5 / A5.20 SIM
SECTION DETAIL

A5 / A5.20 SIM
ENLARGED PLAN / DETAIL

ROOM NAME 101
ROOM IDENTIFICATION

PARTITION TYPE
(RE: PARTITION SCHEDULE FOR DESCRIPTION)

NR - NOT RATED	0S - 0 HOUR SMOKE PARTITION
1F - 1 HOUR FIRE RATED	1S - 1 HOUR SMOKE PARTITION
2F - 2 HOUR FIRE RATED	2S - 2 HOUR SMOKE PARTITION
3F - 3 HOUR FIRE RATED	3S - 3 HOUR SMOKE PARTITION

688 1F — TYPE — AB3.a 1F — HOUR RATING

EXTERIOR WALL TYPE
(RE: WALL TYPE SCHEDULE FOR DESCRIPTION)

XM1 NR — TYPE — XM1.25 NR — HOUR RATING
IF INCLUDED, NUMBER AFTER DECIMAL REFERS TO CONTINUOUS INSULATION THICKNESS

.10	1" CONTINUOUS INSULATION
.15	1.5" CONTINUOUS INSULATION
.20	2" CONTINUOUS INSULATION
.25	2.5" CONTINUOUS INSULATION
.30	3" CONTINUOUS INSULATION
.35	3.5" CONTINUOUS INSULATION

ALIGN
ALIGN

BRK-1
TA-1.1
GL-1
MASTER SCHEDULE NOTE: REFER TO SHEET A0.70.
BRICK - TYPE 1
TOILET ACCESSORY - TYPE 1.1
GLASS - TYPE 1

CW-## ##
CURTAINWALL TYPE

ABC 1
WINDOW TYPE

LVR-#
LOUVER TYPE

CASEWORK / COUNTERTOP TYPE
(S) SINGLE DOOR
(D) DOUBLE DOOR
100.0 PL-1
FINISH
MILLWORK / CASEWORK NOTE

#.##
SHEET NOTE

P.##	FLOOR PLAN NOTE
R.##	REFLECTED CEILING PLAN NOTE
PW.##	POWER PLAN NOTE
F.##	FINISH PLAN NOTE
D.##	DEMO PLAN NOTE
S.##	SITE PLAN NOTE
E.##	EQUIPMENT PLAN NOTE
FN.##	FURNITURE PLAN NOTE
#.##	SHEET NOTE LINKED TO SPECIFICATION SECTION. FIRST NUMBER REFERENCES THE CSI DIVISION

SH
SHOWER HEAD

1
REVISION CLOUD
REVISION NUMBER

AREA RESERVED FOR CITY OF DALLAS PERMIT STAMP

NOTIFICATION TO GENERAL CONTRACTOR

THE INTER RELATION OF THE SPECIFICATIONS AND THE DRAWINGS: THE SPECIFICATIONS DETERMINES THE QUALITY, NATURE AND SETTING OF MATERIALS; THE DRAWINGS ESTABLISH THE QUANTITIES, DIMENSIONS AND DETAILS. THE DOCUMENTS ARE TO BE CONSIDERED AS ONE AND WHATEVER IS CALLED FOR BY ANY ONE SHALL BE AS BINDING AS IF CALLED FOR BY ALL.
SHOULD THE DRAWINGS DISAGREE IN THEMSELVES, OR WITH THE SPECIFICATIONS, OR IF PROPRIETARY INFORMATION DISAGREES WITH PERFORMANCE REQUIREMENTS IN EITHER THE DRAWINGS OR THE SPECIFICATIONS, THE BETTER QUALITY OR GREATER QUANTITY OF THE WORK OR MATERIALS SHALL BE ESTIMATED UPON. SHOULD DISCREPANCIES OR DOUBT OCCUR, REQUEST CLARIFICATION FROM THE ARCHITECT. CONTRACTOR SHALL REQUEST CLARIFICATION IN SUFFICIENT TIME TO AVOID DELAYS AND INCREASES IN THE CONTRACT SUM.

REVIEW OF CONTRACT DOCUMENTS AND FIELD CONDITIONS BY CONTRACTOR

IF A DIMENSIONAL DISCREPANCY EXISTS, CONTRACTOR SHALL TAKE FIELD MEASUREMENTS REQUIRED FOR PROPER FABRICATION AND INSTALLATION OF WORK. UPON COMMENCEMENT OF ANY ITEM OF WORK, CONTRACTOR SHALL BE RESPONSIBLE FOR DIMENSIONS RELATED TO SUCH ITEM OF WORK AND SHALL MAKE ANY CORRECTIONS NECESSARY TO MAKE WORK PROPERLY FIT AT NO ADDITIONAL COST TO OWNER.
BEFORE ORDERING ANY MATERIAL OR DOING ANY WORK, CONTRACTOR SHALL VERIFY DIMENSIONS AND CHECK CONDITIONS IN ORDER TO ASSURE THAT THEY PROPERLY REFLECT THOSE ON THE DRAWINGS. ANY INCONSISTENCY SHALL BE BROUGHT TO ATTENTION OF THE ARCHITECT. IN THE EVENT THAT DISCREPANCIES OCCUR BETWEEN ORDERED MATERIAL AND ACTUAL CONDITIONS, OF WHICH ARCHITECT WAS NOT NOTIFIED BEFOREHAND, COSTS TO CORRECT SUCH DISCREPANCIES SHALL BE BORNE BY CONTRACTOR.

Kirksey ARCHITECTURE
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Dallas Texas 75207
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DALLAS FOR BOND2020
OUR CHILDREN. OUR COMMUNITY. OUR FUTURE.

REGISTERED ARCHITECT — HEATHER R. MARTIN — 28916 — STATE OF TEXAS

11 NOVEMBER 2024

	DATE	ISSUE
A	11 NOV 2024	100% Construction Documents

PROJECT NAME
ORG 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS
6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE
GRAPHIC STANDARDS

SHEET NUMBER
A0.10

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ABBREVIATIONS

A

AB	ANCHOR BOLT
AC	ACOUSTICAL SEALANT
ACC	ARCHITECTURAL CAST IN PLACE CONCRETE
ACM	ALUMINUM COMPOSITE METAL
ACOUS	ACOUSTICAL
ADJUST	ADJUSTABLE
ADJ	ADJACENT
AD	ACCESS DOOR
AF	ACCESS FLOORING
AFF	ABOVE FINISH FLOOR
AGG	AGGREGATE
AHU	AIR HANDLING UNIT
ALT	ALTERNATE
ALUM	ALUMINUM
ANG	ANGLE
ANOD	ANODIZED
APPROX	APPROXIMATELY
APC	ACOUSTICAL PANEL CEILING
ARCH	ARCHITECT/ARCHITECTURAL
ASPH	ASPHALT
ATC	ACRYLIC TEXTURED COATING
ATN	ATTENUATION/ATTENUATING
AUTO	AUTOMATIC
AUX	AUXILIARY
AVE	AVENUE
AVG	AVERAGE
A/C	AIR CONDITIONING
A/V	AUDIO VISUAL

B

B	BASE
BD	BOARD
BLDG	BUILDING
BLKG	BLOCKING
BLK	BLOCK
BM	BEAM
BOT	BOTTOM
B.O.	BOTTOM OF
BR	BICYCLE RACK
BRG	BEARING
BRK	BRICK
BRKT	BRACKET
BSMT	BASEMENT
BTW	BETWEEN
B&B	BALLED & BUR LAPPED
B-B	BACK TO BACK
B.M.	BENCH MARK
B/F	BOTH FACES

C

CAB	CABINET
CB	CATCH BASIN
CCTV	CLOSED CIRCUIT TELEVISION
CEM	CEMENT
CER	CERAMIC
CFMF	COLD FORMED METAL FRAMING
CFT	CORK FLOOR TILE
CIP	CAST IN PLACE CONCRETE
CJ	CONTROL JOINT
CKBD	CHALKBOARD
CLG	CEILING
CLR	CLEAR(ANCE)
CL	CLOSET
CM	CONSTRUCTION MANAGER
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
COL	COLUMN
COMPRESS	COMPRESSIBLE
COMP	COMPOSITION
CONC	CONCRETE
COND	CONDITION
CONF	CONFERENCE
CONST	CONSTRUCTION
CONTR	CONTRACTOR
CONT	CONTINUOUS
CORRU	CORRUGATED
CORR	CORRIDOR
CPS	CARPET SHEET
CPT	CARPET TILE
CSM	CAST STONE MASONRY
CSMT	CASEMENT
CTR	CENTER
CTSK	COUNTERSUNK
CU FT	CUBIC FOOT (FEET)
CU YD	CUBIC YARD
CW	COLD/CHILLED WATER
C-C	CENTER TO CENTER
C.O.	CASED OPENING

D

D.###	SHEET NOTE - DEMO PLAN
D	DEEP/DEPTH
DBL	DOUBLE
DEFL	DEFLECTION
DEFS	DECORATIVE EXTERIOR FINISH
DF	DRINKING FOUNTAIN
DGL	DECORATIVE GLASS
DIAG	DIAGONAL
DIA	DIAMETER
DIM	DIMENSION
DISC	DISCONNECT
DISP	DISPENSER
DL	DEAD LOAD
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DSC	DIMENSIONAL STONE CLADDING
DTL	DETAIL
DWG(S)	DRAWING(S)

E

EA	EACH
EFOB	EXTERIOR FACE OF BUILDING
EJ	EXPANSION JOINT
ELAS	ELASTIC (ELASTOMERIC)
ELEC	ELECTRICAL
ELEV	ELEVATOR
EL	ELEVATION
ELAST	ELASTOMERIC
EM	ENTRANCE FLOOR MATS
EMER	EMERGENCY
EP	EXPLOSION PROOF
EQUIP	EQUIPMENT
EQ	EQUAL
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
EW	EACH WAY
EXH	EXHAUST
EXIST	EXISTING
EXPAN	EXPANSION
EXP	EXPOSED
EXT	EXTERIOR

F

F.###	SHEET NOTE - FINISH PLAN
FN.###	SHEET NOTE - FURNITURE PLAN
FA	FIRE ALARM
FC	FIRE CODE
FD	FLOOR DRAIN
FE	FIRE EXTINGUISHER
FEB	FIRE EXTINGUISHER, BRACKET
FEC	FIRE EXTINGUISHER, CABINET
FG	ENTRANCE FLOOR GRILLES
FH	FIRE HYDRANT
FIN	FINISH/FINISHED
FIXT	FIXTURE
FLRG	FLOORING
FLR	FLOOR
FLSHG	FLASHING
F.P.W.	FLOOD PROTECTION WALL
FL	FLOW LINE
FM	FACTORY MUTUAL
FND	FOUNDATION
FR GL	FRITTED GLASS
FRP	FIBER REINFORCED PLASTIC
FRPF	FIREPROOF(ING)
FSEC	FOOD SERVICE EQUIPMENT CONTRACTOR
FS	FULL SIZE
FTG	FOOTING
FT	FOOT (FEET)
FURN	FURNISH
FURR	FURRED/FURRING
FV	FIELD VERIFY
FVC	FIRE VALVE CABINET
FWC	FABRIC WALL COVERING
FWP	FABRIC WRAPPED WALL PANELS

G

GALV	GALVANIZED
GAL	GALLON
GA	GAUGE
GC	GENERAL CONTRACTOR
GD	GUARD
GEN	GENERAL
GF	GLASS FILM
GI	GALVANIZED IRON
GL	GLASS, GLAZING
GL BLK	GLASS BLOCK
GMP	GUARANTEED MAXIMUM PRICE
GR	GRADE, GRADING
GRP	GRAVEL
GRT	GROUT
GSF	GLAZING SURFACE FILM
GSF	GROSS SQUARE FOOT
GYP	GYPSUM

H

HB	HOSE BIBB
HC	HOLLOW CORE
HDCP	HANDICAPPED
HDWR	HARDWARE
HD	HEAD
HFS	HALF FULL SIZE
HLB	HORIZONTAL LOUVER BLINDS
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HORSEPOWER
HR	HOUR
HT	HEIGHT
HVAC	HEATING/VENTILATING/ AIR CONDITIONING
HW	HOT WATER
HYD	HYDRANT

I

ID	INSIDE DIAMETER
INCL	INCLUDE
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
IN	INCH
IPS	INSIDE PIPE SIZE

J

JAN	JANITOR
JST	JOIST
JT	JOINT

L

LAM	LAMINATE(D)
LAV	LAVATORY
LGTH	LENGTH
LH	LEFT HAND
LV	LEVEL
LIN	LINEAR
LL	LIVE LOAD
LT	LIGHT
LVR	LOUVER
LWT	LIGHTWEIGHT

M

M	METER
MM	MILLIMETER
MACH	MACHINE
MAINT	MAINTENCE
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MEJ	MASONRY EXPANSION JOINT
MEP	MECHANICAL, ELECTRICAL PLUMBING
MF	METAL FINISHES
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
ML	METAL LATH
MLDG	MOULDING
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
MSV	MANUFACTURED STONE VENEER
MTD	MOUNTED
MTG	MOUNTING
MTL	METAL
MULL	MULLION
MWP	METAL WALL PANEL

N

NIC	NOT IN CONTRACT
NOM	NOMINAL
NO. OR #	NUMBER
NRA	NET RENTABLE SQUARE FOOT
NRC	NOISE REDUCTION COEFFICIENT
NTS	NOT TO SCALE

O

OA	OVERALL
OC	ON CENTER(S)
OCD	OVERHEAD COILING DOOR
OCG	OVERHEAD COILING GRILLES
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED/ CONTRACTOR INSTALLED
OFF	OFFICE
OFOI	OWNER FURNISHED/ OWNER INSTALLED
OH	OVERHEAD
OP	OPERABLE PARTITION
OPH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
ORD	OVERFLOW ROOF DRAIN
O.S.	OVERFLOW SCUPPER
O/A	OUTSIDE AIR

P

P.###	SHEET NOTE - FLOOR PLAN
PW.###	SHEET NOTE - POWER PLAN
PAC	ARCHITECTURAL PRECAST CONCRETE
PART	PARTITION
PC	POLISHED CONCRETE
PCF	POUNDS PER CUBIC FOOT
PDP	PREFINISHED DECORATIVE PANELS
PERF	PERFORATED
PLAST	PLASTER
PLAS	PLASTIC
PLBG	PLUMBING
PLWD	PLYWOOD
PNL	PANEL
POL	POLISHED
PRKG	PARKING
PR	PAIR
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PAINT
PTD	PAINTED
PTS	PAINTED
PVC	POLYVINYL CHLORIDE
PVG	PAVING
PVMT	PAVEMENT
P.L.	PROPERTY LINE
PL	PLASTIC LAMINATE
P/C	PRECAST
PFP	PREFINISHED PANEL

Q

QT	QUARRY TILE

R

R.###	SHEET NOTE - REFLECTED CEILING PLAN
R	RISER
RAD	RADIUS
RBA	RESILIENT BASE AND ACCESSORY
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
REBAR	REINFORCING BAR
RECEPT	RECEPTION
RECEP	RECEPTACLE
RECOM	RECOMMENDATION
REC	RECESSED
REG	REGULATION
REINF	REINFORCED
REQD	REQUIRED
RET	RETURN
REV	REVISION
RE	REFER TO
RF	RESINOUS FLOORING
RFG	ROOFING
RH	RIGHT HAND
RM	ROOM
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RS	ROLLER SHADE
RSF	RESILIENT SHEET FLOORING
RSF	RENTABLE SQUARE FOOT
RTF	RESILIENT TILE FLOORING
R/AG	RETURN AIR GRILLE
R/A	RETURN AIR

S

S.###	SHEET NOTE - SITE
SAWU	SOUND ABSORBING WALL UNITS
SCHED	SCHEDULE(D)
SC	STAINED CONCRETE
SECT	SECTION
SF	SQUARE FEET
SHLV	SHELVES/SHELVING
SHTHG	SHEATHING
SHT	SHEET
SIM	SIMILAR
SKY	SKYLIGHT
SMV	STONE MASONRY VENEER
SPEC	SPECIFICATION
SQ	SQUARE
SS	SOILD SURFACE
SSTL	STAINLESS STEEL
STA	STATION
STAB	STABILIZE(D)
STC	SOUND TRANSMISSION COEFFICIENT
STC	STONE COUNTERTOP
STF	STONE FACING
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURE/STRUCTURAL
SUSP	SUSPENDED
SW	SWITCH
S/AD	SUPPLY AIR DIFFUSER

T

T	TREAD
TA	TOILET ACCESSORY
TCOC	TEXTURE COATING ON CONCRETE
TC	TRAFFIC COATING
TEL	TELEPHONE
TEMP	TEMPERED
THK	THICK(NESS)
THRES	THRESHOLD
TKBD	TACK BOARD
T.O.	TOP OF
TOS	TOP OF STEEL
TOSS	TOP OF STRUCTURAL SLAB
TR	TRIM (METAL EDGE TRIM)
TRANS	TRANSFORMER
TS	TUBE STEEL
TTC	TELEPHONE TERMINAL CABINET
TUC	TILT-UP CONCRETE
TV	TELEVISION
TYP	TYPICAL

U

UL	UNDERWRITERS LABORATORY
UNO	UNLESS NOTED OTHERWISE
UPH	UPHOLSTERY
UR	URINAL

V

VAC	VACUUM
VERT	VERTICAL
VEST	VESTIBULE
VLB	VERTICAL LOUVER BLINDS

W

WC	WALL COVERING
WCD	WALL COVERING - DRY ERASE
WDW	WINDOW
WD	WOOD
WDV	WOOD VENEER
WF	WIDE FLANGE
WFA	WOOD ATHLETIC FLOORING
WFE	ENGINEERED WOOD PLANK FLOORING
WH	WALL HUNG
WI	WROUGHT IRON
WP	WALL PROTECTION
WR	WATER REPELLENTS
WWF	WELDED WIRE FRABIC
W.P.	WORK POINT
W/I	WITHIN
W/O	WITHOUT
W/	WITH

X

XFMR	TRANSFORMER

SHEET INDEX

#	SHEET NAME	DATE	REVISION
GENERAL			
A0.00	COVER SHEET	11 NOV 2024	100% Construction Documents
A0.10	GRAPHIC STANDARDS	11 NOV 2024	100% Construction Documents
A0.11	ABBREVIATIONS AND SHEET INDEX	11 NOV 2024	100% Construction Documents
A0.12	PHASING PLAN	11 NOV 2024	100% Construction Documents
A0.20	CODE INFORMATION	11 NOV 2024	100% Construction Documents
A0.31	LIFE SAFETY PLAN	11 NOV 2024	100% Construction Documents
A0.32	LIFE SAFETY PLAN	11 NOV 2024	100% Construction Documents
A0.33	LIFE SAFETY PLAN	11 NOV 2024	100% Construction Documents
A0.60	REFERENCE (MOUNTING HEIGHTS)	11 NOV 2024	100% Construction Documents
A0.61	REFERENCE (MOUNTING HEIGHTS)	11 NOV 2024	100% Construction Documents
A0.70	MASTER SCHEDULE	11 NOV 2024	100% Construction Documents
STRUCTURAL			
S1.01	STRUCTURAL NOTES	11 NOV 2024	100% Construction Documents
S1.02	STRUCTURAL ABBREVIATIONS & SYMBOLS LEGEND	11 NOV 2024	100% Construction Documents
S1.03	SPECIAL INSPECTIONS	11 NOV 2024	100% Construction Documents
S2.00	MARQUEE SIGN ELEVATION AND DETAILS	11 NOV 2024	100% Construction Documents
S2.01	KITCHEN ADDITION FOUNDATION PLAN AND DETAILS	11 NOV 2024	100% Construction Documents
S2.02	LEVEL 2 RTU PLAN	11 NOV 2024	100% Construction Documents
S2.03	ROOF PLAN	11 NOV 2024	100% Construction Documents
S3.01	TYPICAL CONCRETE DETAILS	11 NOV 2024	100% Construction Documents
S5.01	STEEL DETAILS	11 NOV 2024	100% Construction Documents
ARCHITECTURAL			
A1.20	SITE PLAN	11 NOV 2024	100% Construction Documents
A1.40	SITE DETAILS	11 NOV 2024	100% Construction Documents
A2.11	FIRST FLOOR DEMOLITION PLAN - AREA A	11 NOV 2024	100% Construction Documents
A2.12	FIRST FLOOR DEMOLITION PLAN - AREA B	11 NOV 2024	100% Construction Documents
A2.13	SECOND FLOOR DEMOLITION PLAN - AREA A	11 NOV 2024	100% Construction Documents
A2.14	SECOND FLOOR DEMOLITION PLAN - AREA B	11 NOV 2024	100% Construction Documents
A2.15	THIRD FLOOR DEMOLITION FLOOR PLAN - AREA A	11 NOV 2024	100% Construction Documents
A2.16	THIRD FLOOR DEMOLITION FLOOR PLAN - AREA B	11 NOV 2024	100% Construction Documents
A2.21	FIRST FLOOR COMPOSITE PLAN	11 NOV 2024	100% Construction Documents
A2.22	SECOND FLOOR COMPOSITE PLAN	11 NOV 2024	100% Construction Documents
A2.23	THIRD FLOOR COMPOSITE PLAN	11 NOV 2024	100% Construction Documents
A2.24	ROOF COMPOSITE PLAN	11 NOV 2024	100% Construction Documents
A2.31	FIRST FLOOR PLAN - AREA A	11 NOV 2024	100% Construction Documents
A2.32	FIRST FLOOR PLAN - AREA B	11 NOV 2024	100% Construction Documents
A2.33	SECOND FLOOR PLAN - AREA A	11 NOV 2024	100% Construction Documents
A2.34	SECOND FLOOR PLAN - AREA B	11 NOV 2024	100% Construction Documents
A2.35	THIRD FLOOR PLAN - AREA A	11 NOV 2024	100% Construction Documents
A2.36	THIRD FLOOR PLAN - AREA B	11 NOV 2024	100% Construction Documents
A2.37	ROOF PLAN - AREA A	11 NOV 2024	100% Construction Documents
A2.38	ROOF PLAN - AREA B	11 NOV 2024	100% Construction Documents
RD1.00	DEMOLITION ROOF PLAN	11 NOV 2024	100% Construction Documents
R1.00	CONSTRUCTION ROOF PLAN	11 NOV 2024	100% Construction Documents
R2.00	ROOF DETAILS	11 NOV 2024	100% Construction Documents
R2.01	ROOF DETAILS	11 NOV 2024	100% Construction Documents
A2.41	REFLECTED CEILING PLAN FIRST FLOOR- AREA A	11 NOV 2024	100% Construction Documents
A2.42	REFLECTED CEILING PLAN FIRST FLOOR- AREA B	11 NOV 2024	100% Construction Documents
A2.43	REFLECTED CEILING PLAN SECOND FLOOR- AREA A	11 NOV 2024	100% Construction Documents
A2.44	REFLECTED CEILING PLAN SECOND FLOOR- AREA B	11 NOV 2024	100% Construction Documents
A2.45	REFLECTED CEILING PLAN THIRD FLOOR- AREA A	11 NOV 2024	100% Construction Documents
A2.46	REFLECTED CEILING PLAN THIRD FLOOR- AREA B	11 NOV 2024	100% Construction Documents
A2.61	FIRST FLOOR FINISH PLAN - AREA A	11 NOV 2024	100% Construction Documents
A2.62	FIRST FLOOR FINISH PLAN - AREA B	11 NOV 2024	100% Construction Documents
A2.63	SECOND FLOOR FINISH PLAN - AREA A	11 NOV 2024	100% Construction Documents
A2.64	SECOND FLOOR FINISH PLAN - AREA B	11 NOV 2024	100% Construction Documents
A2.65	THIRD FLOOR FINISH PLAN - AREA A	11 NOV 2024	100% Construction Documents
A2.66	THIRD FLOOR FINISH PLAN - AREA B	11 NOV 2024	100% Construction Documents
A2.70	ENLARGED PLANS	11 NOV 2024	100% Construction Documents
A2.80	ENLARGED TOILETROOM PLANS - BASE BID	11 NOV 2024	100% Construction Documents
A2.81	ENLARGED TOILETROOM PLANS - ALTERNATE #4	11 NOV 2024	100% Construction Documents
A2.82	ENLARGED TOILETROOM PLANS - ALTERNATE #4	11 NOV 2024	100% Construction Documents
A2.83	ENLARGED TOILETROOM PLANS - ALTERNATE #4	11 NOV 2024	100% Construction Documents
A2.84	ENLARGED TOILETROOM PLANS - ALTERNATE #4	11 NOV 2024	100% Construction Documents
A3.10	ELEVATIONS	11 NOV 2024	100% Construction Documents
A3.11	ELEVATIONS	11 NOV 2024	100% Construction Documents
A6.10	DOOR LEAF TYPE	11 NOV 2024	100% Construction Documents
A6.60	PARTITION TYPES	11 NOV 2024	100% Construction Documents
A8.10	INTERIOR ELEVATIONS	11 NOV 2024	100% Construction Documents
A9.25	TILE INSTALLATION (FLOOR & WALL)	11 NOV 2024	100% Construction Documents
A10.10	COMMERCIAL CASEWORK (LEGEND & SCHEDULES)	11 NOV 2024	100% Construction Documents
A10.11	CASEWORK DETAILS	11 NOV 2024	100% Construction Documents
MECHANICAL			
M0.01	MECHANICAL SYMBOL LEGEND	11 NOV 2024	100% Construction Documents
M0.02	MECHANICAL GENERAL NOTES AND ABBREVIATIONS	11 NOV 2024	100% Construction Documents
MD3.01	MECHANICAL DEMOLITION LEVEL 1 OVERALL PLAN	11 NOV 2024	100% Construction Documents
MD3.04	MECHANICAL DEMOLITION LEVEL 2 OVERALL PLAN	11 NOV 2024	100% Construction Documents
MD3.07	DEMOLITION LEVEL 3 OVERALL PLAN	11 NOV 2024	100% Construction Documents
MD4.01	MECHANICAL DEMOLITION ROOF PLAN	11 NOV 2024	100% Construction Documents
M3.01	LEVEL 1 MECHANICAL OVERALL PLAN	11 NOV 2024	100% Construction Documents
M3.04	LEVEL 2 MECHANICAL OVERALL PLAN	11 NOV 2024	100% Construction Documents
M3.07	LEVEL 3 MECHANICAL OVERALL PLAN	11 NOV 2024	100% Construction Documents
M4.01	ROOF MECHANICAL OVERALL PLAN	11 NOV 2024	100% Construction Documents
M9.01	MECHANICAL DETAILS	11 NOV 2024	100% Construction Documents
M9.02	MECHANICAL DETAILS	11 NOV 2024	100% Construction Documents
M10.01	MECHANICAL SCHEDULES	11 NOV 2024	100% Construction Documents
M10.02	MECHANICAL SCHEDULES	11 NOV 2024	100% Construction Documents
M11.01	MECHANICAL CONTROLS	11 NOV 2024	100% Construction Documents
M11.02	MECHANICAL CONTROLS	11 NOV 2024	100% Construction Documents
M11.03	MECHANICAL CONTROLS	11 NOV 2024	100% Construction Documents
PLUMBING			
P0.01	PLUMBING SYMBOL LEGEND AND GENERAL NOTES	11 NOV 2024	100% Construction Documents
PD3.01	DEMOLITION UNDERFLOOR - LEVEL 1 OVERALL PLAN	11 NOV 2024	100% Construction Documents
PD3.02	DEMOLITION LEVEL 1 OVERALL PLAN	11 NOV 2024	100% Construction Documents
PD3.03	DEMOLITION LEVEL 2 OVERALL PLAN	11 NOV 2024	100% Construction Documents
PD3.04	DEMOLITION LEVEL 3 OVERALL PLAN	11 NOV 2024	100% Construction Documents
PD3.05	DEMOLITION ROOF PLAN	11 NOV 2024	100% Construction Documents
PD6.01	LEVEL 1 UNDERFLOOR DEMO PLUMBING PLANS ENLARGED	11 NOV 2024	100% Construction Documents
PD6.02	LEVEL 1 DEMO PLUMBING PLANS ENLARGED	11 NOV 2024	100% Construction Documents
PD6.03	LEVEL 2 DEMO PLUMBING PLANS ENLARGED	11 NOV 2024	100% Construction Documents
PD6.04	LEVEL 3 DEMO PLUMBING PLANS ENLARGED	11 NOV 2024	100% Construction Documents

#	SHEET NAME	DATE	REVISION
P4.01	PLUMBING UNDERFLOOR - LEVEL 1 OVERALL PLAN	11 NOV 2024	100% Construction Documents
P4.02	PLUMBING - LEVEL 1 OVERALL PLAN	11 NOV 2024	100% Construction Documents
P4.03	PLUMBING - LEVEL 2 OVERALL PLAN	11 NOV 2024	100% Construction Documents
P4.04	PLUMBING - LEVEL 3 OVERALL PLAN	11 NOV 2024	100% Construction Documents
P4.05	PLUMBING - ROOF LEVEL OVERALL PLAN	11 NOV 2024	100% Construction Documents
P6.01	LEVEL 1 UNDERFLOOR PLUMBING PLANS ENLARGED	11 NOV 2024	100% Construction Documents
P6.02	LEVEL 1 PLUMBING PLANS ENLARGED	11 NOV 2024	100% Construction Documents
P6.03	LEVEL 2 PLUMBING PLANS ENLARGED	11 NOV 2024	100% Construction Documents
P6.04	LEVEL 3 PLUMBING PLANS ENLARGED	11 NOV 2024	100% Construction Documents
P8.01	PLUMBING DETAILS	11 NOV 2024	100% Construction Documents
P9.01	PLUMBING SCHEDULES	11 NOV 2024	100% Construction Documents
FIRE PROTECTION			
FP3.01	LEVEL 1 FIRE PROTECTION PLAN	11 NOV 2024	100% Construction Documents
ELECTRICAL			
E0.01	ELECTRICAL LEGEND & ABBREVIATIONS	11 NOV 2024	100% Construction Documents
E0.02	ELECTRICAL GENERAL NOTES	11 NOV 2024	100% Construction Documents
ED2.01	DEMOLITION SITE PLAN	11 NOV 2024	100% Construction Documents
ED3.01	DEMOLITION LEVEL 1 POWER PLAN	11 NOV 2024	100% Construction Documents
ED3.02	DEMOLITION LEVEL 2 POWER PLAN	11 NOV 2024	100% Construction Documents
ED5.01	DEMOLITION LEVEL 1 LIGHTING PLAN A	11 NOV 2024	100% Construction Documents
ED5.02	DEMOLITION LEVEL 1 LIGHTING PLAN B	11 NOV 2024	100% Construction Documents
ED5.03	DEMOLITION LEVEL 2 LIGHTING PLAN A	11 NOV 2024	100% Construction Documents
ED5.04	DEMOLITION LEVEL 2 LIGHTING PLAN B	11 NOV 2024	100% Construction Documents
ED5.05	DEMOLITION LEVEL 3 LIGHTING PLAN A	11 NOV 2024	100% Construction Documents
ED5.06	DEMOLITION LEVEL 3 LIGHTING PLAN B	11 NOV 2024	100% Construction Documents
ED7.01	DEMOLITION ROOF PLAN	11 NOV 2024	100% Construction Documents
E2.01	SITE PLAN	11 NOV 2024	100% Construction Documents
E3.01	LEVEL 1 POWER OVERALL PLAN	11 NOV 2024	100% Construction Documents
E3.02	LEVEL 2 POWER OVERALL PLAN	11 NOV 2024	100% Construction Documents
E3.03	LEVEL 3 POWER OVERALL PLAN	11 NOV 2024	100% Construction Documents
E5.01	LEVEL 1 LIGHTING PLAN A	11 NOV 2024	100% Construction Documents
E5.02	LEVEL 1 LIGHTING PLAN B	11 NOV 2024	100% Construction Documents
E5.03	LEVEL 2 LIGHTING PLAN A	11 NOV 2024	100% Construction Documents
E5.04	LEVEL 2 LIGHTING PLAN B	11 NOV 2024	100% Construction Documents
E5.05	LEVEL 3 LIGHTING PLAN A	11 NOV 2024	100% Construction Documents
E5.06	LEVEL 3 LIGHTING PLAN B	11 NOV 2024	100% Construction Documents
E6.01	SITE PLAN LIGHTING CONTROLS	11 NOV 2024	100% Construction Documents
E6.02	LEVEL 1 LIGHTING CONTROLS PLAN A	11 NOV 2024	100% Construction Documents
E6.03	LEVEL 1 LIGHTING CONTROLS PLAN B	11 NOV 2024	100% Construction Documents
E6.04	LEVEL 2 LIGHTING CONTROLS PLAN A	11 NOV 2024	100% Construction Documents
E6.05	LEVEL 2 LIGHTING CONTROLS PLAN B	11 NOV 2024	100% Construction Documents
E6.06	LEVEL 3 LIGHTING CONTROLS PLAN A	11 NOV 2024	100% Construction Documents
E6.07	LEVEL 3 LIGHTING CONTROLS PLAN B	11 NOV 2024	100% Construction Documents
E7.01	ROOF POWER PLAN	11 NOV 2024	100% Construction Documents
E10.01	LIGHTING CONTROLS DETAILS	11 NOV 2024	100% Construction Documents
E10.02	LIGHTING CONTROLS DETAILS	11 NOV 2024	100% Construction Documents
E10.03	LIGHTING CONTROLS DETAILS	11 NOV 2024	100% Construction Documents
E10.04	LIGHTING CONTROLS DETAILS	11 NOV 2024	100% Construction Documents
E10.05	ELECRICAL DETAILS	11 NOV 2024	100% Construction Documents
E11.01	ELECTRICAL SCHEDULES	11 NOV 2024	100% Construction Documents
E12.01	LEVEL 1 LIGHTING OVERALL	11 NOV 2024	100% Construction Documents
E12.02	LEVEL 2 LIGHTING OVERALL	11 NOV 2024	100% Construction Documents
E12.03	LEVEL 3 LIGHTING OVERALL	11 NOV 2024	100% Construction Documents
FA4.01	FIRE ALARM LEVEL 1 OVERALL	11 NOV 2024	100% Construction Documents
FA4.02	FIRE ALARM LEVEL 2 OVERALL	11 NOV 2024	100% Construction Documents
FA4.03	FIRE ALARM LEVEL 3 OVERALL	11 NOV 2024	100% Construction Documents

SITE | A5

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Kirksey
ARCHITECTURE

Dallas + Houston + Austin

143 Manufacturing Street
Dallas Texas 75207
214 522 1100
kirksey.com

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These drawings have been prepared as one coordinated set of drawings and are complimentary. What is required by one drawing is required by all of the drawings, even if a detail or component part is not identified on every sheet. Any user's reliance on a single or select few sheet(s) of the drawings without consideration for the information included in the entire set of drawings will be at the user's sole risk and shall not form the basis for a request for additional compensation or time.

REGISTERED ARCHITECT
MATTHEW R. HEATON
26916
STATE OF TEXAS

11 NOVEMBER 2024

△	DATE	ISSUE
A	11 NOV 2024	100% Construction Documents

PROJECT NAME
ORG 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS
6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE
ABBREVIATIONS AND SHEET INDEX

SHEET NUMBER
A0.11

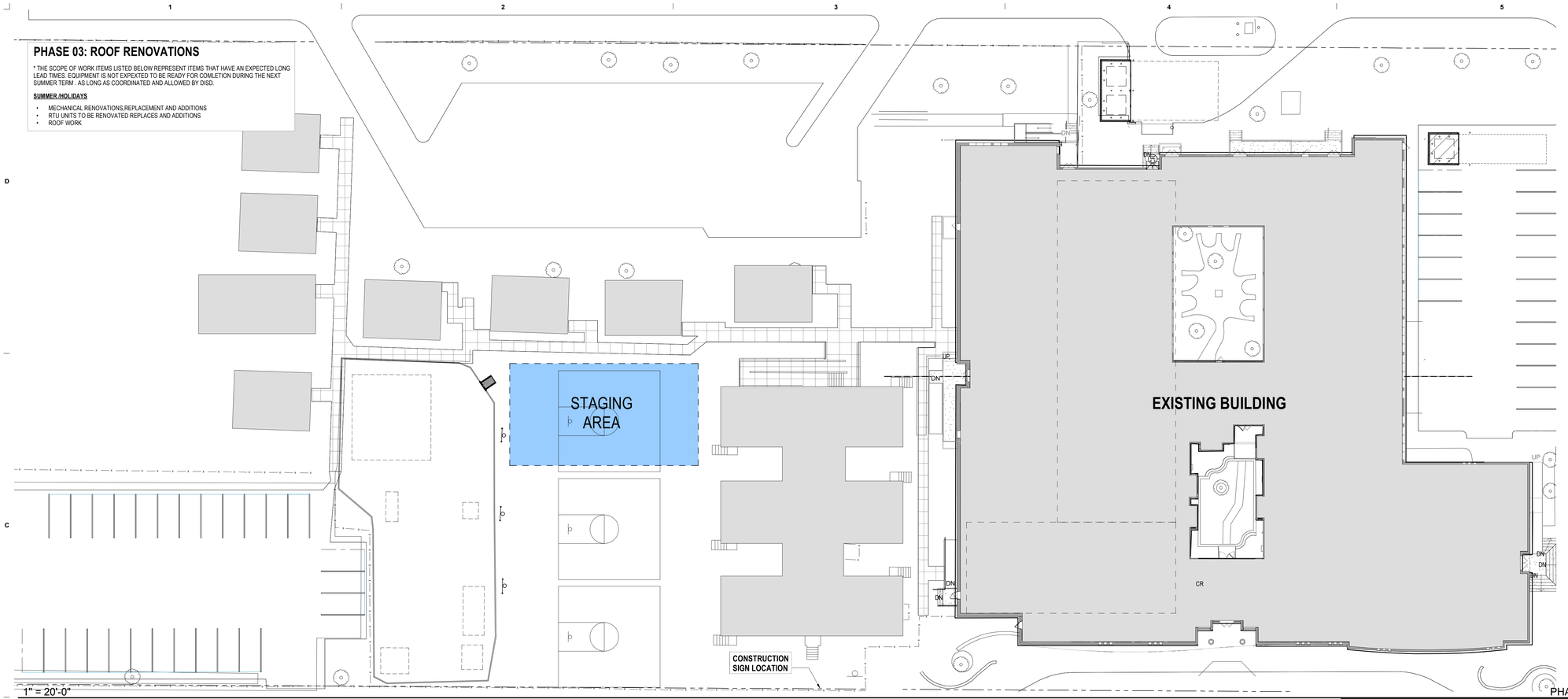
11/20/2024 11:50:13 AM Autodesk Docs://2023351 DISD Dade, McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt

PHASE 03: ROOF RENOVATIONS

* THE SCOPE OF WORK ITEMS LISTED BELOW REPRESENT ITEMS THAT HAVE AN EXPECTED LONG LEAD TIMES. EQUIPMENT IS NOT EXPEXTED TO BE READY FOR COMLETION DURING THE NEXT SUMMER TERM . AS LONG AS COORDINATED AND ALLOWED BY DISD.

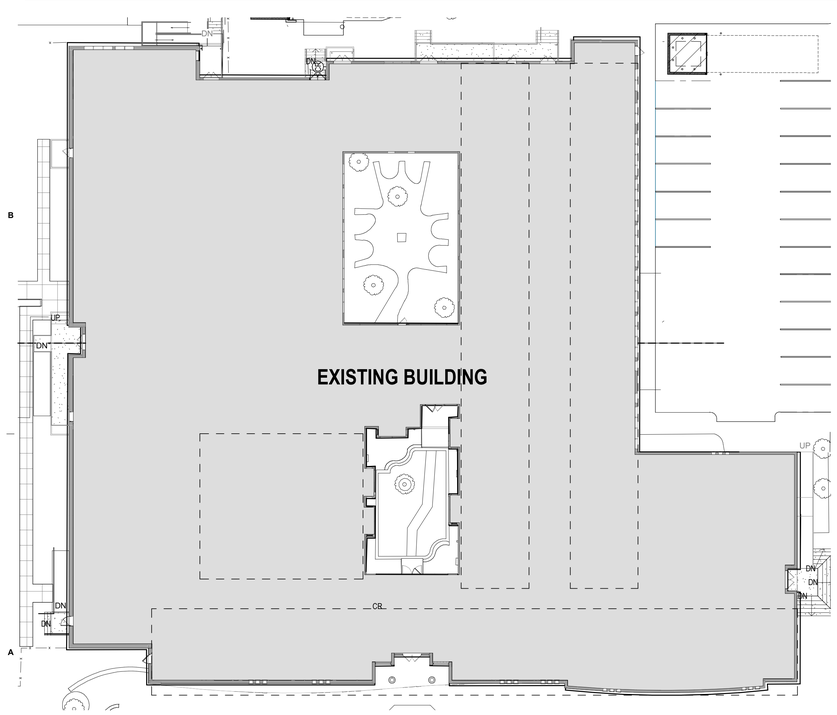
SUMMER /HOLIDAYS

- MECHANICAL RENOVATIONS,REPLACEMENT AND ADDITIONS
- RTU UNITS TO BE RENOVATED REPLACES AND ADDITIONS
- ROOF WORK



1" = 20'-0"

PHASE PLAN - 03 | C5



PHASE 02: INTERIOR RENOVATIONS

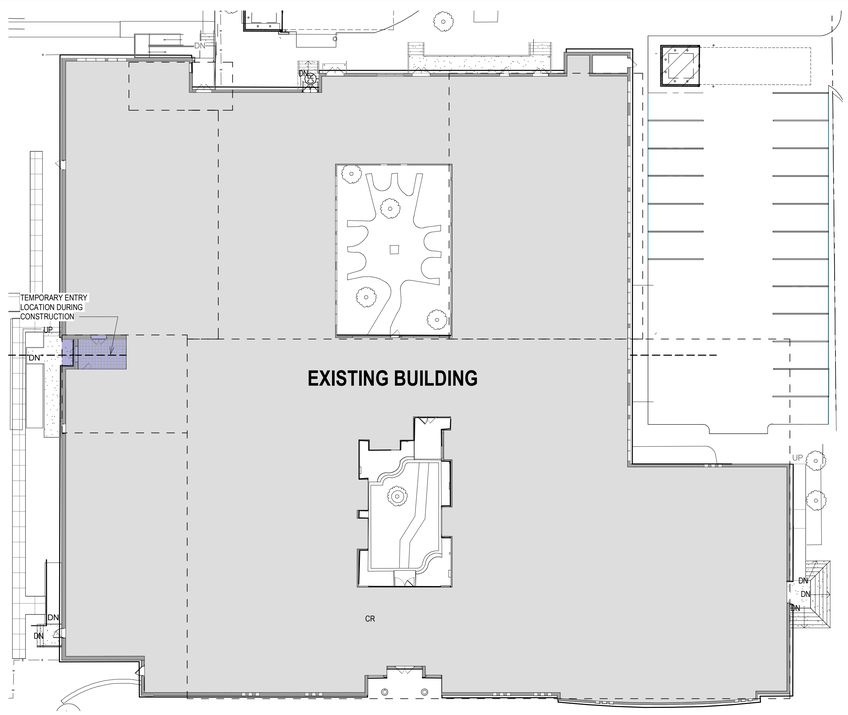
* THE SCOPE OF WORK ITEMS LISTED BELOW, CAN BE DONE DURING SCHOOL TERM. HOWEVER, MUST BE COMPLETED AFTER HOURS, GC MUST COORDINATE WITH SCHOOL STAFF TO MINIMIZE DISRUPTIONS.

AFTER HOURS

- **ALTERNATE #1:** INTERIOR PAINTING
- RENOVATION OF LIMITED ACCESSIBLE CLASSROOMS WILL FOCUSE ON LOW-DEMAND AREA TO ENSURE MINIMAL DISRUPTION TO THE SCHOOL TERM.

1" = 20'-0"

PHASE PLAN - 02 | A2



PHASE 01: INTERIOR RENOVATIONS

* THE SCOPE OF WORK ITEMS LISTED BELOW, CAN NOT BE DONE WHEN STUDENTS ARE IN SCHOOL. THEY MUST BE COORDINATED WITH THE SCHOOL.

SUMMER/HOLIDAYS

- DEMOLITION AND RENOVATION OF EXISTING INTERIOR FINISHES AT LEVEL 1, 2, 3
- INTERIOR FINISHES TO BE DEMOED, REFER TO DEMOLITION SHEET FOR DEMO SCOPE
- DEMOLITION OF FLOORING IN GENERAL AREAS.
- RENOVATION OF SECURE ENTRY.
- RENOVATION OF PLUMBING AND RESTROOMS.
- REPLACEMENT OF MARQUEE SIGN.

1" = 20'-0"

PHASE PLAN - 01 | A4

ALTERNATES

1. **ALTERNATE # 1** : PAINT ALL PREVIOUSLY PAINTED INTERIOR SURFACES.
2. **ALTERNATE # 2** : REMOVE AND REPLACE CONCRETE SIDEWALKS.
3. **ALTERNATE # 3** : REPLACE LIGHT FIXTURES IN CLASSROOMS AND OFFICES.
4. **ALTERNATE # 4** : RENOVATE ALL RESTROOMS EXCEPT NO.132, ALREADY INCLUDED IN BASE BID.
5. **ALTERNATE # 5** : POWERWASHING OF EXTEIOR FACADE & PAINTING OF EXTERIOR METALS.

TO PERFORM ANY WORK IN THE CRAWL SPACE, THE CONTRACTOR TO INCLUDE CRAWL SPACE "MAKE SAFE" COST IN THEIR BASE BID

ANY REQUIRED ASBESTOS ABATEMENT WORK TO BE EXECUTED BY THE CONTRACTOR. DALLAS ISD WILL NOT PROVIDE ANY ASBESTOS ABATEMENT.

ANY REQUIRED MOVING OF INTERIOR FURNITURE AND /OR EQUIPMENT TO BE EXECUTED BY THE CONTRACTOR. OWNER WILL NOT PROVIDE ANY MOVING SERVICES' CONTRACTOR TO COORDINATE ALL MOVES WITH DISD AS SOME ITEMS WILL REQUIRE SPECIAL INSTRUCTIONS.

CONTRACTOR TO GATHER SALVAGED ITEMS (HVAC EQUIPMENT, MARKER BOARD/ WHITE BOARD) AND ALLOW (2) TWO WEEKS FOR THE FACILITIES TO HAUL OFF THESE ITEMS. IF FACILITIES DOES NOT REMOVE THE SALVAGED ITEMS WITHIN THE PROVIDED TIME THEN THE CONTRACTOR IS EXECUTE THE REMOVAL AT NO COST TO THE OWNER.

SHEET NOTES

1. NO WORK TO BE PERFORMED ON SCHOOL TESTING DATES PER SPEC SECTION00 31 18. EXACT DATES TO BE COORDINATED WITH THE SCHOOL PRINCIPAL.
2. THE CONTRACTOR SHALL PERFORM UNDERGROUND PENETRATING RADAR AT SITE FOR ALL SCOPE OF WORK, PRIOR TO DIGGING.
3. ALL CRITICAL SYSTEMS INCLUDING BUT NOT LIMITED TO HVAC, SECURITY, FIRE ALARM, PHONE AND PA SYSTEMS ARE TO BE OPERATIONAL AT ALL TIMES.
4. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING PRE-APPROVAL OF ALL CUSTODIAL OVERTIME/ SCHEDULING.
5. THE CONTRACTOR IS RESPONSIBLE TO PREPARE CUSTODIAL OVERTIME FORMS AND TURN IN COMPLETED FORMS AS REQUIRED.
6. ALL AFFECTED AREAS SHALL BE RETURNED TO A SAFE, CLEAN AND WORKING CONDITION PRIOR TO THE START OF THE NEW SCHOOL DAY.
7. ALL CLASSROOMS MUST REMAIN OPERATIONAL DURING NORMAL SCHOOL HOURS.
8. THE CONTRACTOR SHALL PROVIDE TEMPORARY FULL HEIGHT BARRICADES TO SEPERATE CONSTRUCTION AREAS FROM THE STUDENTS AND STAFF.
9. NO MECHANICAL EQUIPMENT IS TO BE REMOVED UNTIL THE REPLACEMENT EQUIPMENT IS ON SITE
10. NO DOORS ARE TO BE REMOVED UNTIL REPLACEMENT DOORS AND CORRESPONDING HARDWARE ARE ON SITE
11. THE CONTRACTOR IS TO COORDINATE A FLOOR WAXING PHASING PLAN FOR ALL NEW FLOORING WITH THE PROGRAM MANAGER. CURRENT DISD REQUIREMENTS IS (7) SEVEN COATS OF "DIVERSEY FLOOR FINISH, VECTRA". REFER TO SPECIFICATIONS FOR ADDITIONAL INFO.
12. WORK NOT PERFORMED DURING THE SUMMER BREAK SHALL BE PERFORMED AFTER HOURS, ON HOLIDAYS, AND/ OR ON WEEKENDS, OR BEHIND CONSTRUCDTION BARRIERS AS NOTED IN SPECIFICATION SECTION 00 31 18.
13. ANY AREA DISTURBED BY THE CONTRACTOR FOR LAY-DOWN AREA OR DURING COURSE OF CONSTRUCTION SHALL BE REPLACED TO ORIGINAL CONDITIONS OR BETTER. AT DISTURBED SITE AREAS, REPAIR IRRIGATION AND RE-SOD LAWN AREAS. CONTRACTOR TO PROVIDE TEMPORARY IRRIGATION IF NEEDED TO ESTABLISH SOD.
14. CONTRACTOR IS RESPONSIBLE TO COORDINATE ALL "PRE" MEETINGS PRIOR TO PERFORMING SPECIFIED ACTIVITIES IN ACCORDANCE WITH DISD PROCEDURE.
15. ALL CEILINGS MUST BE IN PLACE BEFORE THE START OF SCHOOL.
16. CONTRACTOR IS TO SUBMIT A DUST CONTROL PLAN TO PROGRAM MANAGER FOR REVIEW.
17. ALL CONTROL WIRING NEEDED FOR WORK, INCLUDING RE-WORKING EXISTING WIRING, SHALL BE RUN BACK TO MAIN PANEL. NO SPLICING OF WIRING IS ALLOWED.
18. TO DOCUMENT EXISTING CONDITIONS, THE CONTRACTOR WILL AUDIT ALL EXISTING SYSTEM CONDITIONS PRIOR TO BEGINING WORK. SITE/BUILDING CONDITIONS, FIRE ALARM, SECURITY/ BUILDING ALARM, PA, MEP. UPON REQUEST, DALLAS ISD WILL PROVIDE A SCREEN SHOT OF THE DDC CONTROLS TO DOCUMENT THE EXISTING CONDITIONS.
19. NO WORK TO BE PERFORMED INSIDE THE EXISTING SCHOOL DURING SCHOOL HOURS. UNLESS SEPARATED FROM BUILDING OCCUPANTS AND FOLLOWING ALL REQUIREMENTS OF SPEC SECTION 00 31 18.
20. EXTERIOR WORK PERFORMED DURING SCHOOL HOURS TO BE COORDINATED AND PERMITED BY DISD SAFETY AND SCHOOL MANAGEMENT.

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Kirksey ARCHITECTURE

Dallas + Houston + Austin

143 Manufacturing Street

Dallas Texas 75207

214 522 1100

kirksey.com

DALLAS ISD BOND2020 — OUR CHILDREN, OUR COMMUNITY, OUR FUTURE.

REGISTERED ARCHITECT — MATTHEW R. MCSHANE — 26916 — STATE OF TEXAS

11 NOVEMBER 2024

	DATE	ISSUE
A	11 NOV 2024	100% Construction Documents

PROJECT NAME

ORG 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS

6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE

PHASING PLAN

SHEET NUMBER

A0.12

11/12/2024 2:42:58 PM Autodesk Docs://2023351 DISD Dalla_McShane_Polk Renovations/ARCH_2023351_C_Polk_2023.rvt

PROJECT INFORMATION

BUILDING PERMIT NO: +
TDLR PROJECT #: TDLR #
PROJECT ADDRESS: 6911 VICTORIA AVENUE
DALLAS, TX 75209

PROJECT DESCRIPTION:

INTERIOR IMPROVEMENT SCOPE OF WORK TO AN EXISTING THREE-STORY EDUCATION BUILDING. THE SCOPE OF WORK INCLUDED RENOVATIONS TO A MORE SECURE ENTRY VESTIBULE, THE RENOVATION OF THE RECEPTION, SINGLE RESTROOMS, GANG RESTROOMS, EXISTING MUSIC ROOM, AND MOST INTERIOR MATERIALS. THERE WILL BE A MINIMUM SCOPE OF WORK FOR EXTERIOR IMPROVEMENTS RELATED TO EXTERIOR LIGHTING, RTU REPLACEMENTS, AND ROOF WORK.

APPLICABLE CODES INCLUDE:

2021 INTERNATIONAL BUILDING CODE W/ DALLAS AMENDMENTS
2021 INTERNATIONAL FIRE CODE INDLUDING APPENDIX J, W/DALLAS AMENDEMENTS
2021 INTERNATIONAL ENERGY CONSERVATYION CODE W/ DALLLAS ADMENDMENTS
2021 INTERNATIONAL MECHANICAL CODE W/ DALLAS AMENDMENTS
2021 INTERNATIONAL PLUMBING CODE W/ DALLAS ADMENDMENT
2020 NATIONAL ELECRICAL CODE W/ DALLAS AMENDMENTS
TEXAS ACCESSIBILITY STANDARDS (TAS) 2012
ENERGY CODE:
2021 INTERNATIONAL ENERGY CONSERVATION CODE
OR ASHRAE 90.1-2019

ITEMS PERMITTED SEPARATELY:

SECURITY SYSTEMS – TO BE PERMITTED SEPARATELY
SPRINKLER SYSTEM – TO BE PERMITTED SEPARATELY

USE AND OCCUPANCY CLASSIFICATION: CHAPTER 3

CLASSIFICATION: SECTION 302

OCCUPANCY TYPE(S):
MAJOR USE OF BUILDING EDUCATIONAL GROUP E

SPECIAL REQUIREMENTS BASED ON USE AND OCCUPANCY: CHAPTER 4

HIGH-RISE BUILDINGS: SECTION 403
THIS PROJECT **IS NOT** A HIGH RISE

ATRIUMS: 404

GENERAL BUILDING HEIGHTS AND AREAS: CHAPTER 5

	ACTUAL
BUILDING HEIGHT	65'
NO. OF STORIES	3 STORY
AREA 1ST STORY	37,857 SQ.FT
AREA 2ND STORY	22,038 SQ.FT
AREA 3RD STORY	22,081 SQ.FT
AREA TOTAL	81,976 SQ.FT

TYPES OF CONSTRUCTION: CHAPTER 6

CONSTRUCTION CLASSIFICATION: 602

BUILDING TYPE TYPE IIB

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS: TABLE 601

PRIMARY STRUCTURAL FRAME	1 HOUR
BEARING WALLS	
EXTERIOR	0 HOUR
INTERIOR	0 HOUR
NONBEARING WALLS & PARTITIONS	
EXTERIOR (T 602)	0 HOUR
INTERIOR	0 HOUR
FLOOR CONSTRUCTION	1 HOUR
ROOF CONSTRUCTION	1 HOUR

INTERIOR FINISHES: CHAPTER 8

WALL AND CEILING FINISHES: SECTION 803

WALL AND CEILING FINISHES (803.1.2):
INTERIOR WALL AND CEILING FINISHES SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E 84 OR UL 723.

CLASS A: FLAME SPREAD 0-25; SMOKE-DEVELOPED 0-450

CLASS B: FLAME SPREAD 26-75; SMOKE-DEVELOPED 0-450

CLASS C: FLAME SPREAD 76-200; SMOKE-DEVELOPED 0-450

INTERIOR WALL AND CEILING FINISH REQ'S BY OCCUPANCY (TABLE 803.13)
INTERIOR EXIT STAIRWAYS, INTERIOR EXIT RAMPS AND EXIT PASSAGEWAYS: CLASS A

COORIDORS AND ENCLOSURE FOR EXIT ACCESS STARIWAYS AND EXIT ACCESS RAMPS: CLASS A

ROOMS AND ENCLOSED SPACES: CLASS A

INTERIOR FLOOR FINISHES: SECTION 804

CLASSIFICATION: INTERIOR FLOOR FINISH AND FLOOR COVERING MATERIALS TO BE CLASS I OR II MATERIALS PER ASTM E648 OR NFPA 253.

FIRE PROTECTION SYSTEMS: CHAPTER 9

AUTOMATIC SPRINKLER SYSTEMS: SECTION 903

THIS BUILDING **IS** EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM.

STANDPIPE SYSTEMS: SECTION 905

THIS BUILDING **IS** EQUIPPED WITH A STANDPIPE SYSTEM.

REFER TO MECHANICAL DRAWINGS FOR LOCATION AND CLASSIFICATION INFORMATION OF STANDPIPES IN THE BUILDING.

PORTABLE FIRE EXTINGUISHERS: SECTION 906

FIRE EXTINGUISHERS LOCATED IN ACCORDANCE WITH IBC 906 AND NFPA 10, 2010.

SEE LIFE SAFETY PLANS FOR EXTINGUISHER LOCATIONS.

MEANS OF EGRESS: CHAPTER 10

OCCUPANCY LOAD (1004):

TABLE 1004.5 MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT.
REFER TO LIFE-SAFETY PLANS FOR OCCUPANCY LOAD CALCULATIONS.

ASSEMBLY CONCENTRATED (CHAIRS ONLY-NON FIXED)	7 NET
ASSEMBLY STANDING	5 NET
ASSEMBLY UNCONCENTRATED (TABLES AND CHAIRS	15 NET
BUSINESS	150 GROSS
DAY CARE	35 NET
EDUCATIONAL - CLASSROOM	20 NET
EDUCATIONAL - SHOPS / VOCATIONAL ROOM	50 NET
EXERCISE ROOM	50 GROSS
KITCHEN, COMMERCIAL	200 GROSS
LIBRARY - READING ROOM	50 NET
LIBRARY - STACK AREA	100 GROSS
PARKING GARAGE	200 GROSS
RESIDENTIAL	200 GROSS
STAGES AND PLATFORMS	15 NET
WAREHOUSES	500 NET

MEANS OF EGRESS SIZING (1005):

1005.3.1 STAIRWAYS. EGRESS CAPACITY FACTOR:

0.3 INCH / OCCUPANT (NON-SPRINKLERED BUILDING)

0.2 INCH / OCCUPANT (SPRINKLERED BUILDING, EXCLUDING GROUP H AND I-2) EXCEPTIONS 1

1005.3.2 OTHER EGRESS COMPONENTS. EGRESS CAPACITY FACTOR:

0.2 INCH / OCCUPANT (NON-SPRINKLERED BUILDING)

0.15 INCH / OCCUPANT (SPRINKLERED BUILDING, EXCLUDING GROUP H AND I-2) EXCEPTIONS 1

NUMBER OF EXITS AND EXIT ACCESS DOORWAYS (1006):

MINIMUM NUMBER OF EXITS / STORY: (TABLE 1006.3.3)

OCCUPANT LOAD / STORY	MINIMUM NUMBER OF EXITS FROM STORY
1-500 OCCUPANTS	2 EXITS
500-1000 OCCUPANTS	3 EXITS
>1000	4 EXITS

REFER TO LIFE SAFETY PLANS

COMMON PATH OF EGRESS TRAVEL (TABLE 1006.2.1)
MAXIMUM COMMON PATH OF EGRESS TRAVEL: **20 FEET**

DOORS, GATES AND TURNSTILES (1010):

1010.2.9 PANIC AND FIRE EXIT HARDWARE. THE FOLLOWING AREAS ARE REQUIRED TO HAVE PANIC AND FIRE HARDWARE:

GROUP H

GROUP A OR E WITH OCCUPANT LOAD OF 50 OR MORE

ELECTRICAL ROOMS WITH ≥1,200 AMPERES AND OVER 6 FEET WIDE THAT CONTAIN OVERCURRENT DEVICES,

*DOORS SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL

EXIT ACCESS TRAVEL DISTANCE (1017):

1017.2 LIMITATIONS. MAXIMUM EXIT ACCESS TRAVEL DISTANCE: **250' FEET**

CORRIDOR (1020):

1020.2 CONSTRUCTION. IF REQUIRED, SHALL BE FIRE PARTITIONS:
FIRE-RESISTANCE RATING **0 HOURS**

1020.3 WIDTH AND CAPACITY. MINIMUM CORRIDOR WIDTH (TABLE 1020.3):

OTHER	**44 INCHES**
ACCESS TO MEP EQUIPMENT	**24 INCHES**
OCCUPANT LOAD <50	**36 INCHES**
DWELLING	**36 INCHES**
GROUP E >100 OCCUPANT	**72 INCHES**
STRETCHER (AMBULATORY CARE)	**72 INCHES**
GROUP I-2 (BED MOVEMENT)	**96 INCHES**

1020.5 DEAD ENDS. MAXIMUM DEAD END CORRIDOR DISTANCE:

STANDARD	**20 FEET**
GROUP I-3	**50 FEET**
GROUP B,E,F,I-1,M,R-1,R-2,R-4,S,U WITH AUTOMATIC SPRINKLER	**50 FEET**

INTERIOR EXIT STAIRWAYS AND RAMPS: SECTION 1023

1023.1 GENERAL. INTERIOR EXIT STAIRWAYS AND RAMPS SHALL BE ENCLOSED AND LEAD DIRECTLY TO THE EXTERIOR OF THE BUILDING OR SHALL BE EXTENDED TO THE EXTERIOR OF THE BUILDING WITH AN EXIT PASSAGEWAY

1023.2 CONSTRUCTION. ENCLOSURES FOR INTERIOR EXIT STAIRWAYS AND RAMPS SHALL BE CONSTRUCTED AS FIRE BARRIERS

FIRE-RESISTANCE RATING **2 HOURS** (FOUR STORIES OR MORE)

***1 HOUR** (LESS THAN FOUR STORIES, AND NOT TYPE 1 CONSTRUCTION. REFER TO TABLE 601 FOR REQUIRED FLOOR ASSEMBLY RATINGS)

1023.3 TERMINATION. INTERIOR EXIT STAIRWAYS AND RAMPS SHALL TERMINATE AT AN EXIT DISCHARGE OR A PUBLIC WAY.

EXIT PASSAGEWAYS (1024):

1024.2 WIDTH AND CAPACITY **44 INCHES** MINIMUM
36 INCHES MINIMUM IF OCCUPANT LOAD IS LESS THAN 50

1024.3 CONSTRUCTION. EXIT PASSAGEWAYS SHALL BE CONSTRUCTED AS FIRE BARRIERS
FIRE RESISTANCE RATING: **1-HOUR** FIRE-RESISTANCE RATING, BUT NOT LESS THAN REQUIRED RATING FOR CONNECTING INTERIOR EXIT STAIRWAY OR RAMP.

1024.4 TERMINATION. EXIT PASSAGEWAYS ON THE LEVEL OF EXIT DISCHARGE SHALL TERMINATE AT AN EXIT DISCHARGE. EXIT PASSAGEWAYS ON OTHER LEVELS SHALL TERMINATE AT AN EXIT.

REFER TO LIFE-SAFETY PLAN(S) FOR EXIT PASSAGEWAY WIDTH, PARTITION RATINGS AND TERMINATION.

PLUMBING SYSTEMS: CHAPTER 29

MINIMUM NUMBER OF PLUMBING FACILITIES: (IBC-TABLE 2902.1)

LEVEL	OCCUPANT LOAD		WATER CLOSET MEN		WATER CLOSET WOMEN		LAVATORIES MEN		LAVATORIES WOMEN		DRINKING FOUNTAINS		SERVICE SINK	
	MEN	WOMN	REQ'D	PRV'D	REQ'D	PRV'D	REQ'D	PRV'D	REQ'D	PRV'D	REQ'D	PRV'D	REQ'D	PRV'D
1	717	718	13	14	16	17	12	#	#	12	13	13	1	1
2	374	375	10	5	9	4	#	2	#	2	5	5	1	1
3	344	345	7	7	7	7	#	8	#	8	5	5	1	1

PARKING SPACES PROVIDED:

CITY OF DALLAS PARKING ORDINANCE AND PLANNING
TEXAS ACCESSIBILITY STANDARDS (TAS)

PARKING PROVIDED EXISTING 68

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214 522 1100
kirksey.com

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REGISTERED ARCHITECT — HEATHER R. MCSHANE — 26916 — STATE OF TEXAS

11 NOVEMBER 2024

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PROJECT NAME
ORG 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS
6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE
CODE INFORMATION

SHEET NUMBER
A0.20

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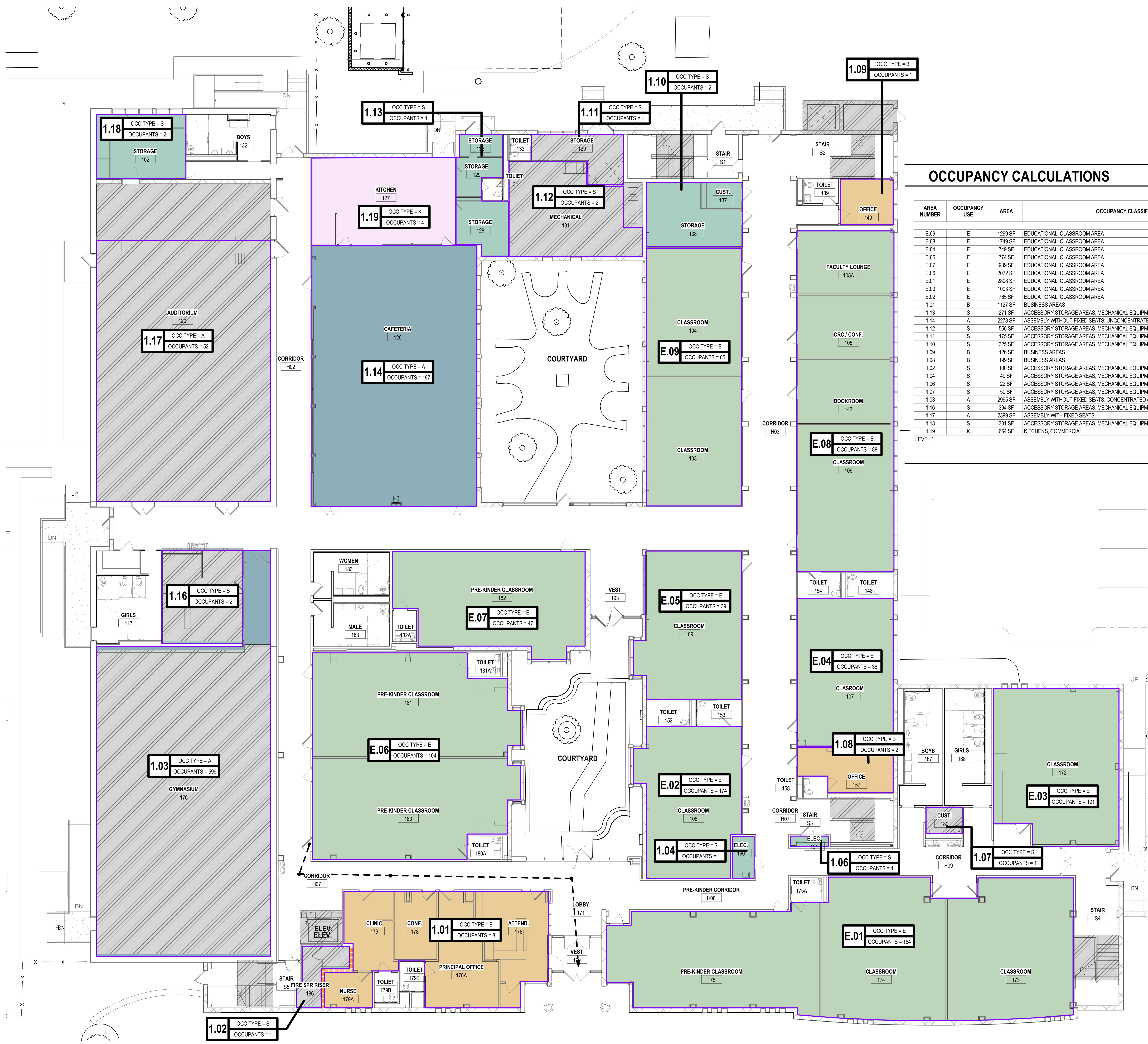

1" = 10'-0"

LEVEL 1 LIFE SAFETY PLAN | A4

OCCUPANCY CALCULATIONS

AREA NUMBER	OCCUPANCY USE	AREA	OCCUPANCY CLASSIFICATION	OCCUPANT LOAD FACTOR	OCCUPANCY LOAD	REQUIRED EXITS	OCCUPANCY GROSS OR NET	OCCUPANCY POSTED SIGN REQUIRED
E.09	E	1299 SF	EDUCATIONAL: CLASSROOM AREA	20	65	2	NET	NO
E.08	E	1749 SF	EDUCATIONAL: CLASSROOM AREA	20	88	2	NET	NO
E.04	E	749 SF	EDUCATIONAL: CLASSROOM AREA	20	38	1	NET	NO
E.05	E	774 SF	EDUCATIONAL: CLASSROOM AREA	20	39	1	NET	NO
E.07	E	939 SF	EDUCATIONAL: CLASSROOM AREA	20	47	1	NET	NO
E.06	E	2072 SF	EDUCATIONAL: CLASSROOM AREA	20	104	2	NET	NO
E.01	E	2898 SF	EDUCATIONAL: CLASSROOM AREA	20	145	2	NET	NO
E.03	E	1003 SF	EDUCATIONAL: CLASSROOM AREA	20	51	2	NET	NO
E.02	E	765 SF	EDUCATIONAL: CLASSROOM AREA	20	39	1	NET	NO
1.01	B	1127 SF	BUSINESS AREAS	150	8	1	GROSS	NO
1.13	S	271 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	1	1	GROSS	NO
1.14	A	2278 SF	ASSEMBLY WITHOUT FIXED SEATS: UNCONCENTRATED (TABLES AND CHAIRS)	15	152	2	NET	YES
1.12	S	556 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	2	1	GROSS	NO
1.11	S	175 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	1	1	GROSS	NO
1.10	S	325 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	2	1	GROSS	NO
1.09	B	126 SF	BUSINESS AREAS	150	1	1	GROSS	NO
1.08	B	199 SF	BUSINESS AREAS	150	2	1	GROSS	NO
1.02	S	100 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	1	1	GROSS	NO
1.04	S	49 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	1	1	GROSS	NO
1.06	S	22 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	1	1	GROSS	NO
1.07	S	50 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	1	1	GROSS	NO
1.03	A	2995 SF	ASSEMBLY WITHOUT FIXED SEATS: CONCENTRATED (CHAIRS ONLY—NOT FIXED)	7	428	2	NET	YES
1.16	S	394 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	2	1	GROSS	NO
1.17	A	2399 SF	ASSEMBLY WITH FIXED SEATS	52	47	1		YES
1.18	S	301 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	2	1	GROSS	NO
1.19	K	664 SF	KITCHENS, COMMERCIAL	200	4		GROSS	NO
LEVEL 1					1272			

LIFE SAFETY LEGEND

AREA NUMBER — 3.01 OCC TYPE = A-1 / OCCUPANTS = 250 — OCCUPANT TYPE / TOTAL OCCUPANTS

TRAVEL DISTANCE = 000'-0" (MAX T.D. = 000'-0")

FE-1 / FEC-1 — FIRE EXTINGUISHER CABINET

NR — NON RATED PARTITION

0S — 0 HOUR SMOKE PARTITION

AED — AUTOMATED EXTERNAL DEFIBRILLATOR (AED) CABINET

1F — 1 HOUR FIRE RATED PARTITION/BARRIER

2F — 2 HOUR FIRE RATED BARRIER

3F — 3 HOUR FIRE RATED BARRIER

KB — KNOX BOX

SHEET NOTES

1. ALL RATED PARTITIONS TO RECEIVE 4" HIGH SPRAY PAINTED RED LETTERS DENOTING HOUR RATING. TO BE PAINTED 2'-0" ABOVE FINISHED CEILINGS AT 15'-0" O.C. MAX. ON BOTH SIDES. EXAMPLE: “FIRE BARRIER-PROTECT ALL OPENINGS”
2. FIRE EXTINGUISHER CABINETS (FEC) AND FIRE EXTINGUISHERS (FE) ARE LOCATED IN THE PLAN. REFER TO MASTER SCHEDULE FOR BASIS OF DESIGN FOR FEC AND FE.
3. FIRE RATED PARTITIONS ARE INDICATED IN PLAN WITH HATCHED WALLS AND NOTED.
4. REFER TO ELECTRICAL DRAWINGS FOR EGRESS LIGHTING.
5. PATH FROM BUILDING TO THE RIGHT OF WAY IS INDICATED ON THE SITE PLAN. RE: SHEET A1.20

REGISTERED ARCHITECT MATTHEW R. HEATON 26916 STATE OF TEXAS

11 NOVEMBER 2024

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PROJECT NAME
ORG 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS
6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE
LIFE SAFETY PLAN

SHEET NUMBER
A0.31

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REGISTERED ARCHITECT
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STATE OF TEXAS
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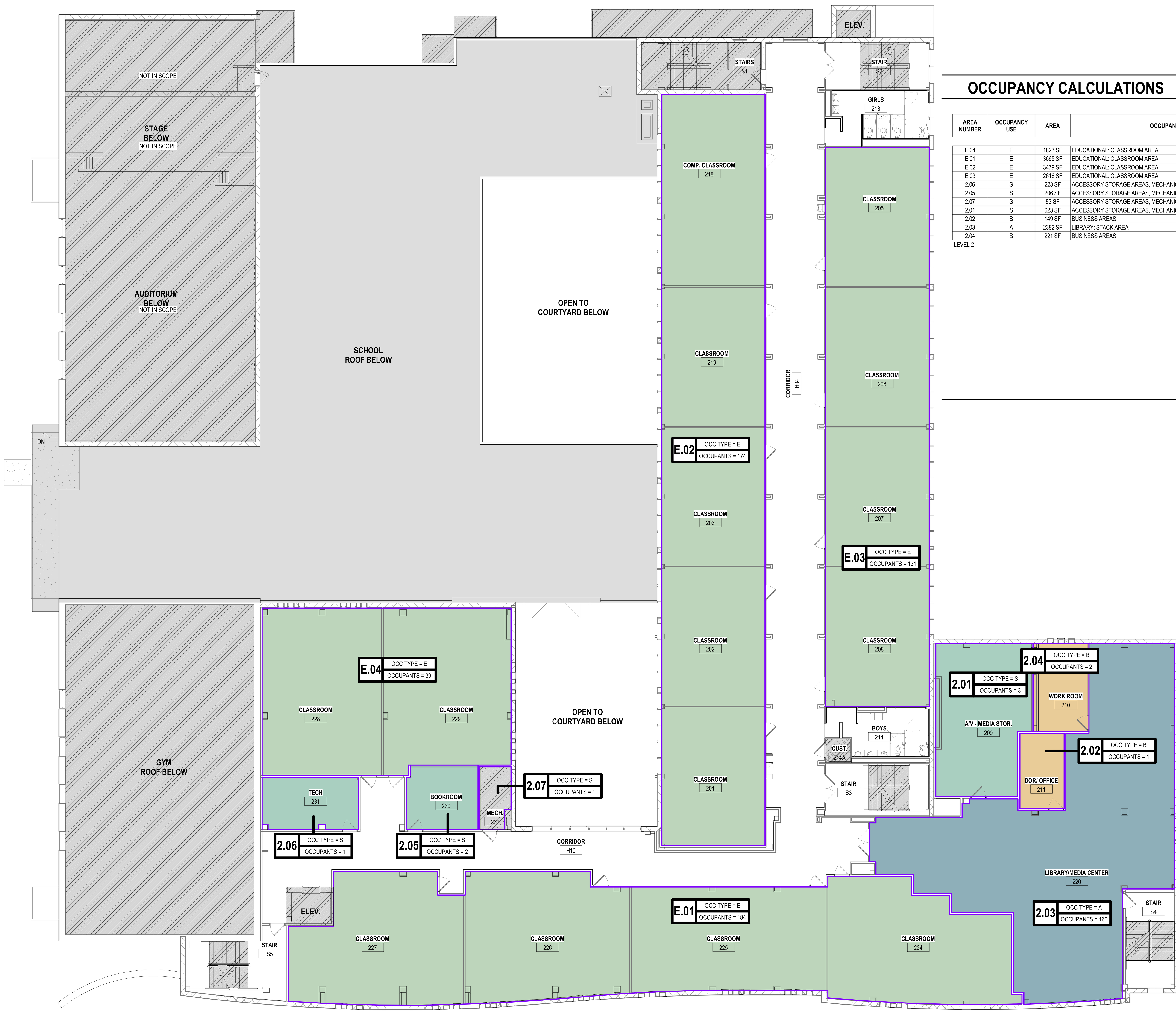

1" = 10'-0"

LEVEL 2 LIFE SAFETY PLAN | A4

OCCUPANCY CALCULATIONS

AREA NUMBER	OCCUPANCY USE	AREA	OCCUPANCY CLASSIFICATION	OCCUPANT LOAD FACTOR	OCCUPANCY LOAD	REQUIRED EXITS	OCCUPANCY GROSS OR NET	OCCUPANCY POSTED SIGN REQUIRED
E.04	E	1823 SF	EDUCATIONAL: CLASSROOM AREA	20	92	2	NET	NO
E.01	E	3665 SF	EDUCATIONAL: CLASSROOM AREA	20	184	2	NET	NO
E.02	E	3479 SF	EDUCATIONAL: CLASSROOM AREA	20	174	2	NET	NO
E.03	E	2616 SF	EDUCATIONAL: CLASSROOM AREA	20	131	2	NET	NO
2.06	S	223 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	1	1	GROSS	NO
2.05	S	206 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	1	1	GROSS	NO
2.07	S	83 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	1	1	GROSS	NO
2.01	S	623 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	3	1	GROSS	NO
2.02	B	149 SF	BUSINESS AREAS	150	1	1	GROSS	NO
2.03	A	2382 SF	LIBRARY: STACK AREA	100	24	1	GROSS	NO
2.04	B	221 SF	BUSINESS AREAS	150	2	1	GROSS	NO
LEVEL 2					614			

LIFE SAFETY LEGEND

AREA NUMBER — 3.01 OCC TYPE = A-1 / OCCUPANTS = 250 — OCCUPANT TYPE / TOTAL OCCUPANTS

TRAVEL DISTANCE = 000'-0" (MAX T.D. = 000'-0")

NR — NON RATED PARTITION

0S — 0 HOUR SMOKE PARTITION

1F — 1 HOUR FIRE RATED PARTITION/BARRIER

2F — 2 HOUR FIRE RATED BARRIER

3F — 3 HOUR FIRE RATED BARRIER

FE-1 / FEC-1 — FIRE EXTINGUISHER CABINET

AED — AUTOMATED EXTERNAL DEFIBRILLATOR (AED) CABINET

KB — KNOX BOX

SHEET NOTES

1. ALL RATED PARTITIONS TO RECEIVE 4" HIGH SPRAY PAINTED RED LETTERS DENOTING HOUR RATING. TO BE PAINTED 2'-0" ABOVE FINISHED CEILINGS AT 15'-0" O.C. MAX. ON BOTH SIDES. EXAMPLE: "FIRE BARRIER-PROTECT ALL OPENINGS"
2. FIRE EXTINGUISHER CABINETS (FEC) AND FIRE EXTINGUISHERS (FE) ARE LOCATED IN THE PLAN. REFER TO MASTER SCHEDULE FOR BASIS OF DESIGN FOR FEC AND FE.
3. FIRE RATED PARTITIONS ARE INDICATED IN PLAN WITH HATCHED WALLS AND NOTED.
4. REFER TO ELECTRICAL DRAWINGS FOR EGRESS LIGHTING.
5. PATH FROM BUILDING TO THE RIGHT OF WAY IS INDICATED ON THE SITE PLAN. RE: SHEET A1.20

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KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE
LIFE SAFETY PLAN

SHEET NUMBER
A0.32

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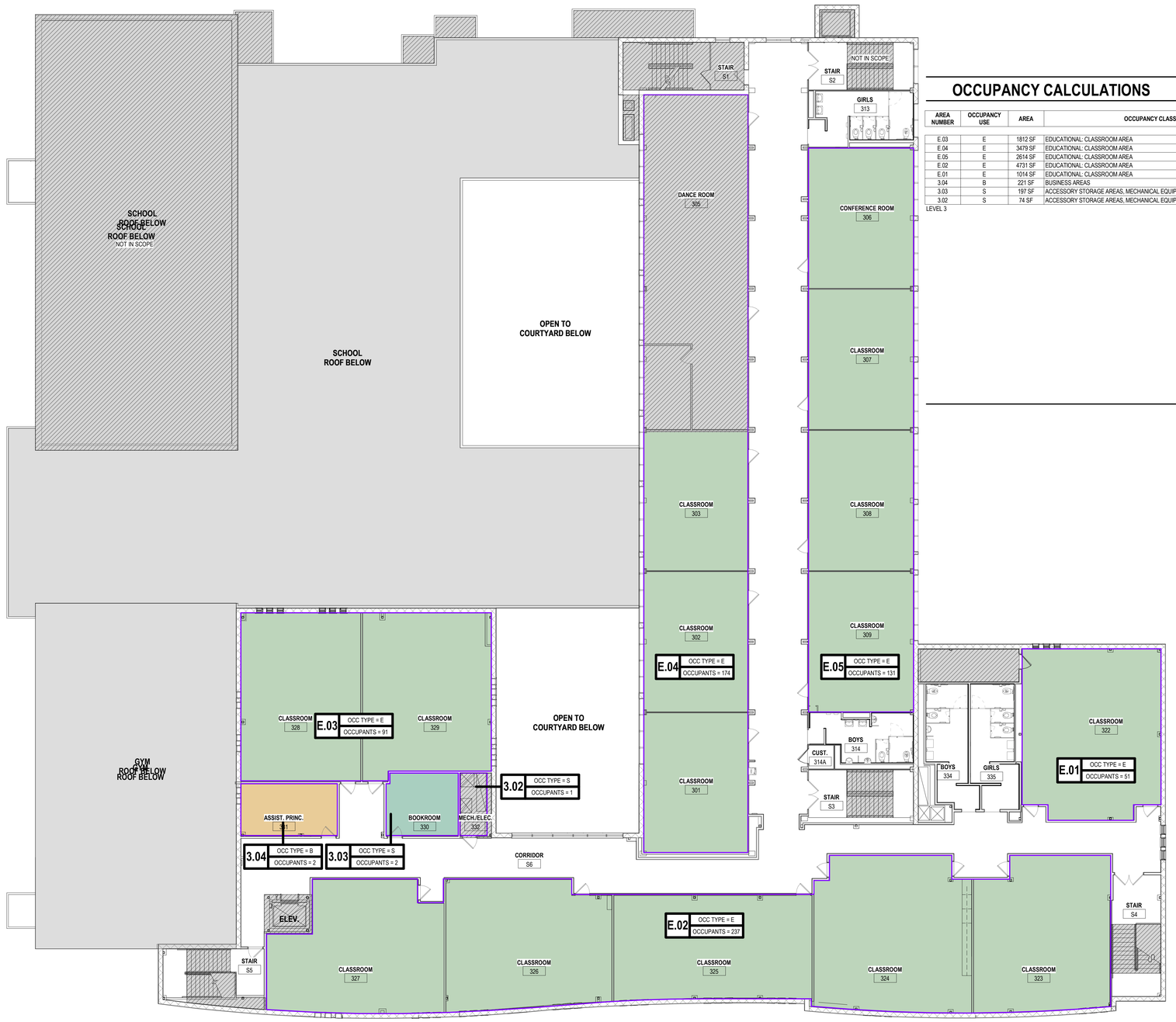

1" = 10'-0"

LEVEL 3 LIFE SAFETY PLAN | A4

AREA RESERVED FOR CITY OF DALLAS PERMIT STAMP

OCCUPANCY CALCULATIONS

AREA NUMBER	OCCUPANCY USE	AREA	OCCUPANCY CLASSIFICATION	OCCUPANT LOAD FACTOR	OCCUPANCY LOAD	REQUIRED EXITS	OCCUPANCY GROSS OR NET	OCCUPANCY POSTED SIGN REQUIRED
E.03	E	1812 SF	EDUCATIONAL: CLASSROOM AREA	20	91	2	NET	NO
E.04	E	3479 SF	EDUCATIONAL: CLASSROOM AREA	20	174	2	NET	NO
E.05	E	2614 SF	EDUCATIONAL: CLASSROOM AREA	20	131	2	NET	NO
E.02	E	4731 SF	EDUCATIONAL: CLASSROOM AREA	20	237	2	NET	NO
E.01	E	1014 SF	EDUCATIONAL: CLASSROOM AREA	20	51	2	NET	NO
3.04	B	221 SF	BUSINESS AREAS	150	2	1	GROSS	NO
3.03	S	197 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	1	1	GROSS	NO
3.02	S	74 SF	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM	300	1	1	GROSS	NO
LEVEL 3					688			

LIFE SAFETY LEGEND

AREA NUMBER — 3.01 OCC TYPE = A-1 / OCCUPANTS = 250 — OCCUPANT TYPE / TOTAL OCCUPANTS

TRAVEL DISTANCE = 000'-0" (MAX T.D. = 000'-0")

NR — NON RATED PARTITION

0S — 0 HOUR SMOKE PARTITION

1F — 1 HOUR FIRE RATED PARTITION/BARRIER

2F — 2 HOUR FIRE RATED BARRIER

3F — 3 HOUR FIRE RATED BARRIER

FE-1 / FEC-1 — FIRE EXTINGUSHER CABINET

AED — AUTOMATED EXTERNAL DEFIBRILLATOR (AED) CABINET

KB — KNOX BOX

SHEET NOTES

1. ALL RATED PARTITIONS TO RECEIVE 4" HIGH SPRAY PAINTED RED LETTERS DENOTING HOUR RATING. TO BE PAINTED 2'-0" ABOVE FINISHED CEILINGS AT 15'-0" O.C. MAX. ON BOTH SIDES. EXAMPLE: "FIRE BARRIER-PROTECT ALL OPENINGS"
2. FIRE EXTINGUISHER CABINETS (FEC) AND FIRE EXTINGUISHERS (FE) ARE LOCATED IN THE PLAN. REFER TO MASTER SCHEDULE FOR BASIS OF DESIGN FOR FEC AND FE.
3. FIRE RATED PARTITIONS ARE INDICATED IN PLAN WITH HATCHED WALLS AND NOTED.
4. REFER TO ELECTRICAL DRAWINGS FOR EGRESS LIGHTING.
5. PATH FROM BUILDING TO THE RIGHT OF WAY IS INDICATED ON THE SITE PLAN. RE: SHEET A1.20

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Dallas Texas 75207

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REGISTERED ARCHITECT — HEATHER R. MCMILLAN — 26916 — STATE OF TEXAS

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KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE

LIFE SAFETY PLAN

SHEET NUMBER

A0.33

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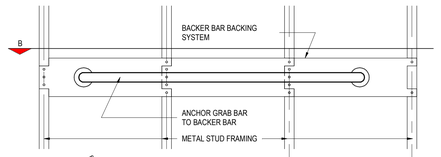
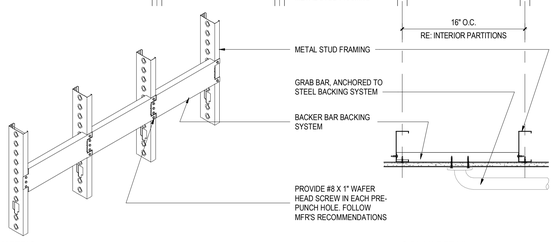
CLARK DIETRICH
BACKER BAR - 20GA (STEEL BACKING SYSTEM)

BACKER BAR SYSTEM MUST MEET 250 # PULLPOINT LOAD REQUIREMENT FOR GRAB BAR AND HANDRAILS

A ELEVATION





B AXONOMETRIC

C PLAN DETAIL

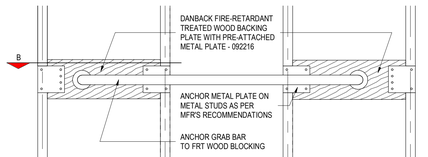
1 1/2" = 1'-0"

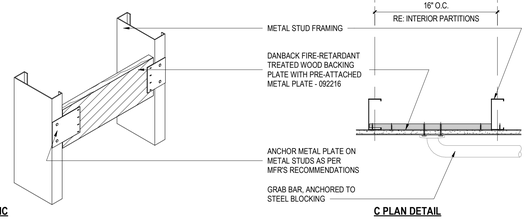
GRAB BAR BACKING SYSTEM | D2

CLARK DIETRICH
DANBACK FLEXIBLE WOOD BACKING SYSTEM (FIRE RETARDANT)

BLOCKING SYSTEM MUST MEET 250 # PULLPOINT LOAD REQUIREMENT FOR GRAB BAR AND HANDRAILS

A ELEVATION



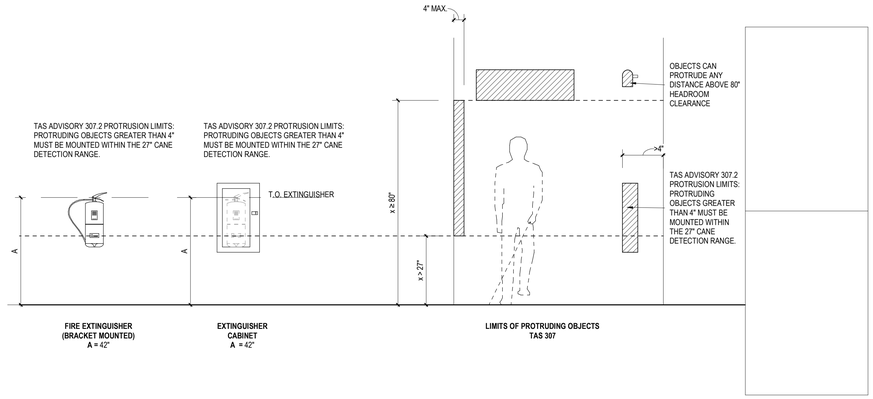


B AXONOMETRIC

C PLAN DETAIL

1 1/2" = 1'-0"

GRAB BAR BACKING SYSTEM | D3



FIRE EXTINGUISHER (BRACKET MOUNTED)
A = 42"

EXTINGUISHER CABINET
A = 42"

LIMITS OF PROTRUDING OBJECTS
TAS 307

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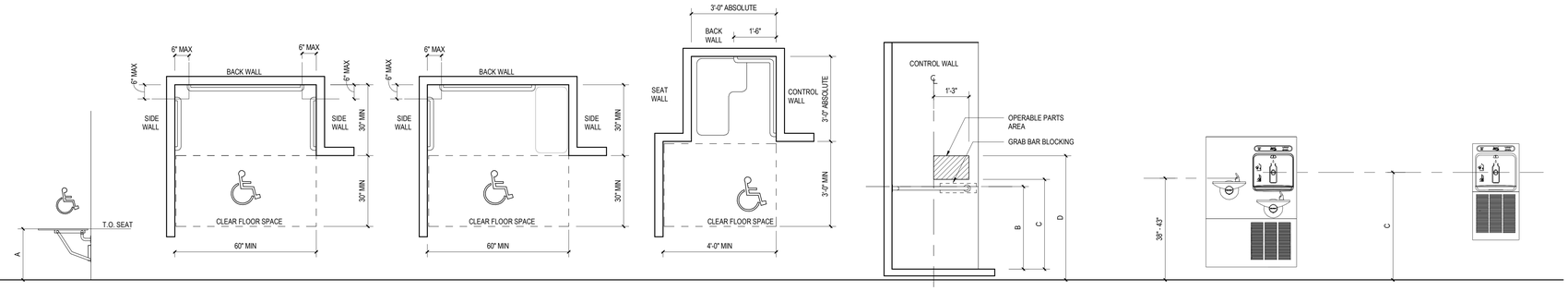


SHOWER SEAT
A
ADULT (TYP) = 18"[17"-19"]

ROLL-IN SHOWER WITHOUT SEAT
COMPARTMENT SIZE AND CLEARANCE

*DIMENSIONS MEASURED TO FINISH MATERIAL

ROLL-IN SHOWER WITH SEAT
COMPARTMENT SIZE AND CLEARANCE

*DIMENSIONS MEASURED TO FINISH MATERIAL

TRANSFER SHOWER
COMPARTMENT SIZE AND CLEARANCE

*DIMENSIONS MEASURED TO FINISH MATERIAL

TRANSFER SHOWER
CONTROL LOCATION

GRAB BAR HEIGHT
B
ADULT (TYP) = 35"[33"-36"]

OPERABLE PARTS HEIGHT
ADULT (TYP)
C= 38" MIN.
D= 48" MAX.

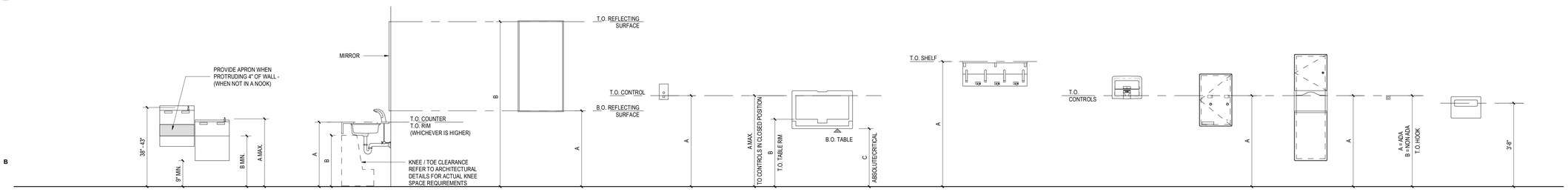
DRINKING FOUNTAIN WITH BOTTLE FILLING STATION
A
ADULT (TYP) = 36" (MAX.)

B
ADULT (TYP) = 27" (MIN.)

C
ADULT (TYP) = 44" (48" MAX.)

BOTTLE FILLING STATION

C
ADULT (TYP) = 44" (48 MAX.)



DRINKING FOUNTAIN
A
ADULT (TYP) = 36"

B
ADULT (TYP) = 27"

SINK / LAVATORY
A
ADULT (TYP) 34" MAX.

B
ADULT (TYP) 27" MIN.

MIRROR (MOUNTED ABOVE LAV OR COUNTERTOP)
A
ADULT (TYP) 40" MAX.

B
ADULT (TYP) 74" MIN.

MIRROR (NOT MOUNTED ABOVE LAV OR COUNTERTOP)
A
ADULT (TYP) = 35" MAX.

SOAP DISPENSER WALL MOUNTED
A
ADULT (TYP) 48"

BABY CHANGING STATION
A
ADULT (TYP) = 48"

B
ADULT (TYP) = 33"

C
ADULT (TYP) = 27"
(B.O. TABLE IN OPEN POSITION)

MOP SHELF
A
ADULT (TYP) = 66"

HAND DRYER (TAS 308.1)
A
AGES 3-4 = **35" MAX.** [20"-36"]
AGES 5-8 = **40" MAX.** [18"-40"]
AGES 9-12 = **44" MAX.** [16"-44"]
ADULT (TYP) = **48" MAX.**

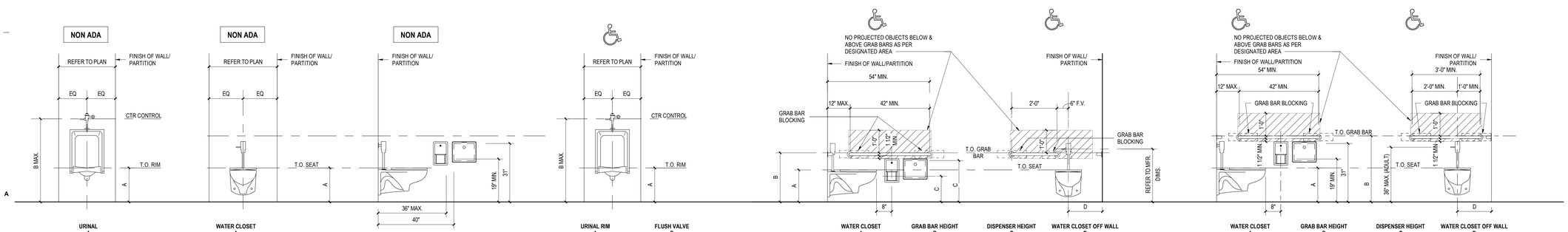
SANITARY NAPKIN VENDOR
A
ADULT (TYP) = **48"**

PAPER TOWEL DISPENSER AND WASTE RECEPTACLE
A
ADULT (TYP) = **48"**

COAT HOOK
A
ADULT (TYP) = **48" MAX.**[40"-48"]

B
NON-ADA = **60"**

TOILET SEAT COVER DISPENSER



URINAL
A
AGES 5-8 = **13"**
AGES 9-12 = **16"**
ADULT (TYP) = **24"**

WATER CLOSET
A
AGES 5-8 = **15"**
AGES 9-12 = **15"**
ADULT (TYP) = **15"**

URINAL RIM
A
AGES 3-4 = **11.5"** [11"-12"]
AGES 5-8 = **13"** [12"-15"]
AGES 9-12 = **16"** [15"-17"]
ADULT (TYP) = **16"** [17" MAX.]

FLUSH VALVE
B
AGES 3-4 = **35"** [20"-36"]
AGES 5-8 = **40"** [12"-40"]
AGES 9-12 = **44"** [16"-44"]
ADULT (TYP) = **44"** [15"-44"]

URINAL GENERAL NOTE: CLEAR FLOOR SPACE (URINAL) MAINTAIN 30" X 48" CLEAR FLOOR SPACE. IF ALCOVE IS DEEPER THAN 24" PROVIDE ADDITIONAL MANEUVERING CLEAR FLOOR SPACE OF 36" X 48"

CHILDREN'S WATER CLOSET CRITERIA

WATER CLOSET A	GRAB BAR HEIGHT B	DISPENSER HEIGHT C	WATER CLOSET OFF WALL D
AGES 3-4 = **11.5"** [11"-12"]	AGES 3-4 = **19"** [18"-20"]	AGES 3-4 = **14" CRITICAL**	AGES 3-4 = **12"** [12"]
AGES 5-8 = **13"** [12"-15"]	AGES 5-8 = **23"** [20"-25"]	AGES 5-8 = **16"** [14"-17"]	AGES 5-8 = **14"** [12"-15"]
AGES 9-12 = **16"** [15"-17"]	AGES 9-12 = **26"** [25"-27"]	AGES 9-12 = **18"** [17"-19"]	AGES 9-12 = **17"** [15"-18"]

WATER CLOSET GENERAL NOTE:
FLUSH CONTROLS TO BE MOUNTED ON WIDE SIDE OF WATER CLOSET AWAY FROM CLOSEST ADJACENT WALL. REFER TO 604.5.2 REAR WALL, EXCEPTION 2. VERIFY WITH RAS.

ADULT'S WATER CLOSET CRITERIA

WATER CLOSET A	GRAB BAR HEIGHT B	DISPENSER HEIGHT C	WATER CLOSET OFF WALL D
ADULT (TYP) = **18"**	ADULT (TYP) = **35"** [33"-36"]	ADULT (TYP) = **19"** [15"-48"]	ADULT (TYP) = **17"** [16"-18"]

WATER CLOSET GENERAL NOTE:
FLUSH CONTROLS TO BE MOUNTED ON WIDE SIDE OF WATER CLOSET AWAY FROM CLOSEST ADJACENT WALL.

1/2" = 1'-0"

FIXTURE AND ACCESSORY MOUNTING HEIGHTS | A5

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Dallas + Houston + Austin

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REGISTERED ARCHITECT — HEATHER R. MACKEY — 26916 — STATE OF TEXAS

11 NOVEMBER 2024

	DATE	ISSUE
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PROJECT NAME

ORG 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS

6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE

REFERENCE (MOUNTING HEIGHTS)

SHEET NUMBER

A0.60

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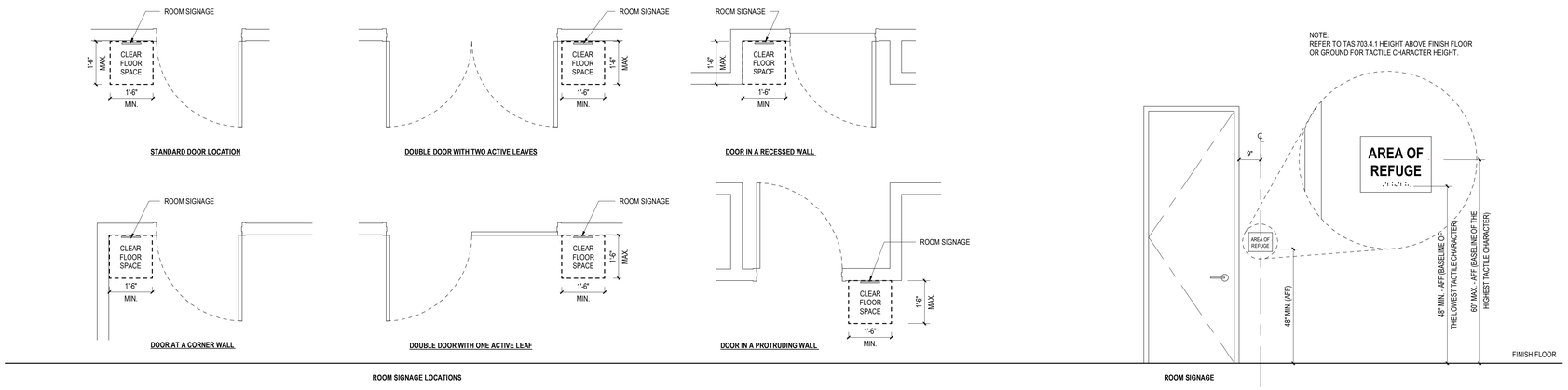

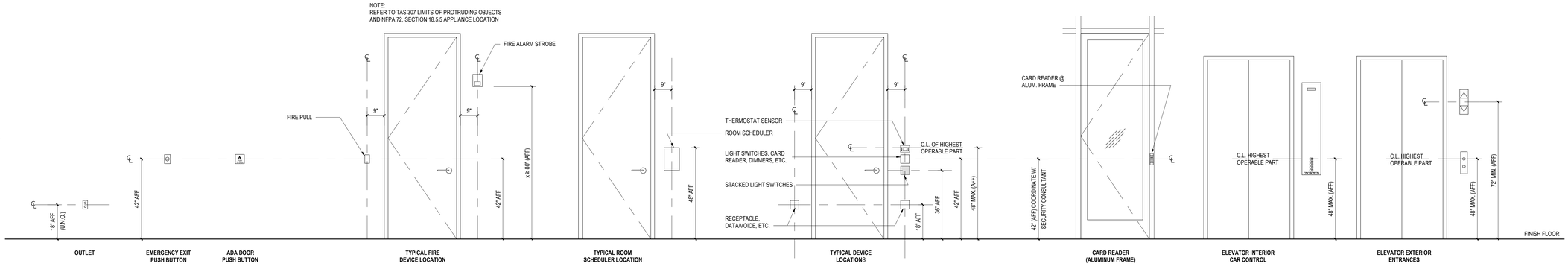

1/2" = 1'-0"

FIXTURE AND ACCESSORY MOUNTING HEIGHTS | A5

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These drawings have been prepared as one coordinated set of drawings and are complimentary. What is required by one drawing is required by all of the drawings, even if a detail or component part is not identified on every sheet. Any user's reliance on a single or select few sheet(s) of the drawings without consideration for the information included in the entire set of drawings will be at the user's sole risk and shall not form the basis for a request for additional compensation or time.

REGISTERED ARCHITECT — HEATHER R. MCSHANE — 26916 — STATE OF TEXAS

11 NOVEMBER 2024

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KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE

REFERENCE (MOUNTING HEIGHTS)

SHEET NUMBER

A0.61

DIVISION 04 MASONRY

04 20 00 UNIT MASONRY

BRK-1	Manufacturer	Upchurch Kimbrough
	Color / Texture	To match Existing Brick Color -
	Size	To match Existing Brick
	Pattern	Running Bond
	Grade	SW
	Type	FBX

DIVISION 05 METALS

05 05 10 METAL FINISHES

MF-1	Type	Anodized
	Color	Clear

DIVISION 06 WOOD AND COMPOSITES

06 41 16 PLASTIC LAMINATE

PL-1	Manufacturer	Wilsonart
	Product Name/No.	7209K-79
	Color	Nepal Teak
	Texture	Semit-transparent, semi-gloss
	Application	Reception Desk Millwork
PL-2	Manufacturer	Wilsonart
	Product Name/No.	7110-60
	Color	Montana Walnut
	Texture	Semit-transparent, semi-gloss
	Application	Reception Desk counter

DIVISION 8 DOORS AND WINDOWS

08 41 13 ALUMINUM-FRAMED ENTRANCES AND STOREFRONT

SF-1	Description	Aluminum-Framed Storefront
	Manufacturer	Kawneer
	Product	Trifab 601T
	Sightline	2"
	Frame Depth	6"
	Frame finish	MF-1
	Glazing Type	GL-1
	Remarks	

08 80 00 GLAZING

GL-1	Description	General Description
	Manufacturer	[Viracon]
	Product	[VRE 1-46]
	outside glass	1/4" clear HS
	surface #2	VRE-46 #2
	insulated space	1/2" airspace
	surface #3	screen # 3058 V1086
	inside glass	1/4" Clear HS
GL-3	Description	Interior Glazing 3/8"
	Manufacturer	Vitro
	Product	Starphire Low-Iron Glass
	Thickness	3/8"
	VLT	0.91

DIVISION 09 FINISHES

09 29 00 GYPSUM - SPECIALTY ALUMINUM TRIM

TR-1	Manufacturer	Fry Reglet Corp.
	Profile Name	F Reveal Molding
	Size	1/2" reveal
	Profile Number	DRMF-625-50
	Finish	mil alum
	Remarks	

09 30 00 TILING (CERAMIC, STONE, QUARRY, GLASS)

TILE-1	Type	Porcelain
	Manufacturer	DalTile
	Patterns	Industrial
	Color	Biscuit
	Size	6"x6" minimum
	Finish	Polish
	Thickness	5/16"
	Jointing Pattern	Stack Bond
	Location	Restroom
	Grout Color	Architect to Select from Manufacturer's color chart; two grout color mock ups
	Remarks	Walls and Flooring
TILE-2	Type	Porcelain
	Manufacturer	DalTile
	Patterns	Industrial
	Color	Waterfall
	Size	6"x6" minimum
	Finish	Polish
	Thickness	5/16"
	Jointing Pattern	Stack Bond
	Joint Width	1/16"
	Grout Color	Architect to Select from Manufacturer's color chart; two grout color mock ups
	Remarks	Walls and Flooring

09 30 00 TILING ACCESSORIES

TS-1	Manufacturer	Schluter
	Product	Quadec
	Finish	Satin Anodizes Aluminum
	Remarks	Schulter strips to be used at all outsude corners or at any tile wainscot.

09 51 13 ACOUSTICAL PANEL CEILING

APC-1	Manufacturer	Armstrong World Series
	Panel Name, Item No.	Fine Fissured no. 1728
	Panel Size	24"x24"
	Susp. System Name, Size	Standard Ceiling Grid 15/16"
	Remarks	40
	Perimeter Trim Type	Aluminum
	Color	White

09 61 16 CONCRETE FLOOR SEALER

CFS-1	Manufacturer	Prosoco
	Product	Siloxane PD
	Prep	Enviro Klean

09 65 13 RESILIENT BASE AND ACCESSORIES

RBA-1	Description	Base
	Manufacturer	Tarkett
	Product	Traditional Wall Base TB3
	Color	Medium Grey
	Size	4"
	Style / Profile	Cove
	Material Type	TS

09 65 19 RESILIENT TILE FLOORING

RTF-1	Description	VCT
	Manufacturer	Armstrong
	Product	Exelon
	Color	52514 - Jubillee White
	Thickness	1/8"
	Size	12x12
	Interior Finish Classification	Class I
RTF-2	Description	VCT
	Manufacturer	Armstrong
	Product	Excelon
	Color	57508 - Blue Dream
	Thickness	0.125"
	Size	12X24
RTF-3	Description	VCT
	Manufacturer	Armstrong
	Product	Excelon
	Color	57516 - Screaming Pumpkin
	Thickness	0.125"
	Size	12X24

09 68 13 CARPET TILE

CPT-1	Manufacturer	Shaw
	Pattern	Diffuse
	Color	Trian Station
	Size	[24x24]
	Installation Pattern	Random
	Interior Finish Classification	[Class I][Class II]

09 91 00 PAINT

***Refer to specifications for paint type to be used for each substrate type.**

General Note: All gypsum walls to be level 4 finish unless noted otherwise in schedule below.

PT-1	Manufacture/Color No.	Kelly Moore - Soft Sesame
	Sheen	Semi-gloss
	Gypsum Level	Level 4
	Remarks	DISD Off White
PT-2	Manufacture/Color No.	SW7005 Pure White
	Sheen	Semi-gloss
	Gypsum Level	Level 4
	Remarks	New White

DIVISION 10 SPECIALTIES

10 28 00 TOILET, SHOWER AND CUSTODIAL ACCESSORIES

TA-1 TOILET PAPER

TA-1.2	Description	Toilet Tissue Dipenser-Surfaced Mounted
	Manufacturer	Bobrick
	Model	B-4288

TA-2 GRAB BARS

TA-2.12	Description	12" Straight Grab Bar
	Manufacturer	Bobrick
	Thickness	B-5806x12
TA-2.24	Description	24" Straight Grab Bar
	Manufacturer	Bobrick
	Thickness	B-5806x24
TA-2.36	Description	36" Straight Grab Bar
	Manufacturer	Bobrick
	Thickness	B-5806x36
	Model	B-5806 x48

TA-3 SANITARY NAPKIN

TA-3.2	Description	Sanitary Napkin Disposal-Surface Mounted
	Manufacturer	Bobrick
	Model	B-270

TA-4 TOILET SEAT COVER DISPENSER

TA-4.1	Description	Toilet Seat Cover Dispenser
	Manufacturer	Bobrick
	Model	B-4221

TA-5 HOOK

TA-5.1	Description	Robe Hook
	Manufacturer	Bobrick
	Model	B-76717

TA-6 TRASH & TOWEL

TA-6.2	Description	Surface-Mounted Paper Towel Dispenser
	Manufacturer	Bobrick
	Model	B-262

TA-7 MIRROR

TA-7.2	Description	Mirror
	Manufacturer	Bobrick
	Model	B-165
	Size	18"x 24"

TA-8 SOAP DISPENSER

TA-8.2	Description	Soap Dispenser - Wall Mounted
	Manufacturer	Bobrick
	Model	B-4112

TA-9 GUARDS

TA-9.1	Description	Underlavatory Guards
	Manufacturer	Truebro
	Model	Lav Guard 2

10 70 00 SIGN CABINET

***Refer to Signage and Graphics (SG) Drawings**

LED DISPLAY	Type	LED Display
	Manufacturer	Daktronics GALAXY GS6 or Dallas ISD
	Product / Model No.	Product name
	Finish / Color	RGB
	Communications	Ethernet Bridge Radio

DIVISION 22 PLUMBING

22 06 00 PLUMBING FIXTURE SCHEDULE

Note: All fixtures should meet the following flow rates.

Water Closet	1.1 gpf
Urinal	.125 gpf
Lavatory	.5 gpm
Kitchen Sink	1.5 gpm or less
Shower	1.5 gpm (2.5gmp for ADA units)

WC-1	Description	Water Closet
	Manufacturer	American Standard
	Model Name	Afwall 16FL Bowl TS White
	Model No.	#3351.101.128
	Flush Valve	Manual Flush Valve
	Toilet Seat	To Match Toilet
	Color	White
	Water Flow Rate	1.28 gpf
T-1	Type	[Ceramic, Stone, Quarry or Glass]
U-1	Description	Urinal
	Manufacturer	American Standard
	Model Name	Washbrook Urinal
	Drain	Pop-up
	Model No.	#6590.125
	Flush Valve	Manual Flush Valve (#6045.013)
	Toilet Seat	To Match Toilet
	Color	White
	Water Flow Rate	.125 gpf

DIVISION 26 ELECTRICAL

26 50 00 LIGHT FIXTURE SCHEDULE

FA	Description
	Manufacturer
	Carolog Number
	Lamp Type
	Mounting
	Voltage

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REGISTERED ARCHITECT — HEATHER R. MCSHANE — 26916 — STATE OF TEXAS

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6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE

MASTER SCHEDULE

SHEET NUMBER

A0.70

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COORDINATION:

A. The contractor shall compare the architectural, structural, mechanical, electrical, plumbing, and other series drawings and report any discrepancies between each set of drawings and within each set of drawings prior to fabrication and installation of any structural members.

B. Only larger sleeve openings and framed openings in structural framing component members are indicated on the structural drawings. However, all sleeves, inserts and openings, including frames and/or sleeves shall be provided for passage, provision and/or incorporation of the work of the contract, including but not limited to mechanical, electrical and plumbing work. This work shall include the coordination of sizes, alignment, dimensions, position, locations, elevations and grades as required to serve the intended purpose. Openings not indicated on the structural drawings, but required as noted above, shall be submitted to the engineer for review.

C. Refer to architectural, mechanical, electrical and plumbing drawings for floor elevations, slopes, drains and location of depressed and elevated floor areas.

D. Compatibility of the structure and provisions for building equipment supported on or from structural components shall be verified as to size, dimensions, clearances, accessibility, weights and reaction with the equipment for which the structure has been designed prior to submission of shop drawings and data for each piece of equipment and for structural components. Differences shall be noted on the submittals.

E. Shop drawings shall be prepared for all structural items and submitted for review by the engineer. Structural drawings shall not be reproduced and used as shop drawings. All items deviating from the structural drawings or from previously submitted shop drawings shall be clouded.

F. The details designated as "typical details" apply generally to the structural drawings in all areas where conditions are similar to those described in the details.

G. All dimensions and conditions of existing construction shall be verified at the job site prior to the preparation of shop drawings. Differences between existing construction and that shown on the structural drawings shall be referred to the architect. Differences shall also be clouded on the shop drawings.

H. All structural elements of the project have been designed by the engineer to resist the required code vertical and lateral forces that could occur in the final completed structure only. It is the responsibility of the contractor to provide all required bracing during construction to maintain the stability and safety of all structural elements during the construction process until the lateral-load resisting or stability-providing system is completely installed and the structure is completely tied together. Temporary supports shall not result in the overstress or damage of the elements to be braced nor any elements used as brace supports.

I. The contract structural drawings and specifications represent the finished structure, and except where specifically shown, do not indicate the means or methods of construction. The contractor and their sub-contractors shall supervise and direct the work and shall be solely responsible for all construction means, methods, procedures, techniques, sequences and safety measures including, but not limited to, adherences to all osha guidelines. The engineer shall not have control of, and shall not be responsible for, construction means, methods, techniques, sequences or procedures, for safety precautions and programs in connection with the work, for the acts or omissions of the contractor, subcontractors, or any other person performing any of the work, or for the failure of any of these persons to carry out the work in accordance with the structural contract documents.

J. Where conflict exists among the various parts of the structural contract documents, structural drawings, general notes, and specifications, the strictest requirements, as indicated by the engineer, shall govern.

K. Periodic site observation by field representatives of JQ is solely for the purpose of determining if the work is proceeding in accordance with the structural contract documents. This limited site observation is not intended to be a check of the quality or quantity of the work, but rather a periodic check in an effort to inform the owner against defects and deficiencies in the work of the contractor.

CODES & REFERENCED REPORTS:

A. The General Building Code used as the basis for the structural design is as follows:

1. City of Dallas Building Code (2021 International Building Code with City of Dallas Amendments)
2. International Existing Building Code, 2021 Edition

B. Structural Concrete: Building Code Requirements for Reinforced Concrete, American Concrete Institute, ACI 318, as referenced by the General Building Code.

C. Concrete Masonry: Building Code Requirements for Concrete Masonry Structures, The Masonry Society, TMS 420/602, as referenced by the General Building Code.

D. Brick Masonry: Recommended Practice for Engineered Brick Masonry, Brick Institute of America, as referenced by the General Building Code.

E. Structural Steel: Manual of Steel Construction, American Institute of Steel Construction Inc., ANSI/AISC 360, as referenced by the General Building Code.

F. Geotechnical Report: Foundation elements have been designed in accordance with information provided in the following geotechnical report:

Geotechnical engineer:	MAS-TEK Engineering & Associates, Inc.
Report Number:	31-027G
Date:	August 5, 2024

DESIGN LOADS:

A. Dead Loads include the self-weight of the structural elements and the following superimposed loads:

1. Marquee Sign	Self-weight
2. Ceiling and Mechanical at roof	10 psf
3. Roofing and Rigid insulation	8 psf
4. Roof Top Units	Self-weight

B. Live Loads

OCCUPANCY OR USE	UNIFORM (psf)	CONCENTRATE (lbs.)
1. Kitchen Storage (Commercial)	150	Equip. Wt.
2. Roof - Unreduced	20	N/A

C. Live Load Reduction
1. Live Loads have not been reduced.

D. Snow loads
1. Ground snow load, Pg 5 psf

E. Wind loads
1. Wind lateral load on structural frame is based on ASCE 7-16 using the following:
   a. Ultimate Design Wind Speed Vult 112 mph
   b. Nominal Design Wind Speed Vasd 87 mph
   c. Exposure C
   d. Internal Pressure Coefficient, Gcpi +/-0.18
   e. Risk Category III
2. Components and cladding wind pressures:

Surface	(PSF)	Zone	Area At (ft2)
Rooftop Unit Wall	+/-52.6	All	All
Rooftop Unit Roof	-41.7	All	All
Roof	-33.4	Interior	10 or less
	-68.8	Edges	10 or less
	-93.7	Corners	10 or less
	-30.5	Interior	100 or greater
	-54.1	Edges	100 or greater
	-64.4	Corners	100 or greater

- Pressures for Tributary Areas in between the listed values may be linearly interpolated
- Negative value signifies pressure acting away from the surface (suction).
- Edge and Corner zone distances shall be determined in accordance with referenced standard.
- * Roof pressures are for gross uplift conditions.

F. Seismic Loads
1. The structure and structural components of the building have been designed in accordance with General Building Code with the following criteria:

a. Seismic Importance Factor, IE	1.25
b. Risk Category	III
c. Mapped Spectral Response Accelerations	
i. Ss (%g)	9.7
ii. S1 (%g)	5.4
d. Site Class	B
e. Design Spectral Response Accelerations	
i. SDS (%g)	6.5
ii. SD1 (%g)	3.6
f. Seismic Design Category	A
g. Basic Seismic-force-resisting system & Response Modification Factor (R)	
Ground-supported Cantilever Wall	R = 1.25
Steel System Not Specifically Detailed for Seismic Resistance	R = 3
h. Design Base Shear, V	0.01W
i. Seismic Reponse Coefficient, Cs	0.01
j. Analysis Procedure Used	Equivalent Lateral Force

G. Mechanical/Kitchen Equipment Loads
1. Loading for mechanical rooms and kitchens are based on the weights of equipment and concrete pads as indicated on the Structural Drawings. The Contractor shall submit actual weights of equipment to be used in the project to the Structural Engineer for verification of loads used in the design at least three weeks prior to fabrication and construction of the supporting structure. Any revisions in equipment type, size, or quantity shall be reported to the Architect immediately for verification of the structural design.

SUBMITTALS:

A. Shop drawings shall be prepared for all structural items and submitted for review by the Engineer. Structural Drawings shall not be reproduced and used as shop drawings. All items deviating from the Structural Drawings or from previously submitted shop drawings shall be clouded.

B. Contractor shall review shop drawings for compliance with the Structural Drawings and shall certify that they have done so by a stamp noting that the drawings have been "Approved" and which bears the signature (or initials) of an authorized representative of the Contractor and the date. Submittals which do not reflect the Contractor's approval, signature and date will be returned without review.

C. Contractor shall be responsible for delays caused by rejection of inadequate shop drawings.

D. Where review and return of shop drawings is required or requested, the Engineer will review each submittal and, where possible, return within two (2) weeks of receipt.

E. Corrections or comments on shop drawings or manufacturer's data sheets do not relieve the Contractor from compliance with requirements of the plans and specifications. Engineer's review is for general conformance with the requirements of the Structural Drawings. Contractor is responsible for confirming and correcting all quantities and dimensions, selecting fabrication processes and techniques of construction, and coordinating the work with that of all other contractors.

F. Refer to individual sections for specific submittal requirements.

EXCAVATION PROTECTION:

A. Temporary retention or alternative protective systems shall be designed to resist the soil pressures stipulated in the referenced geotechnical report. In addition, the design shall consider surcharges created by construction equipment, excavation spoil, and other surface encumbrances.

B. Contractor shall comply with all Occupational Safety and Health Administration standards and all other regulatory agency standards regarding excavation safety.

C. Contractor shall submit drawings for any proposed excavation protection system that are sealed by a professional engineer licensed in the state having jurisdiction at the project site.

DRILLED PIERS:

A. Pier design is based on the following design criteria:

1. Allowable end bearing:	40,000 PSF
2. Side friction:	8,000 PSF
3. Uplift pressure:	1,000 PSF
4. Uplift design depth:	10 FT
5. Side friction (uplift resistance):	6,000 PSF
6. Minimum penetration into bearing stratum:	3 FT for Grey Limestone, 2 Shaft Dia. for Grey Unweathered Limestone

B. Pier design is in accordance with the recommendations in the referenced geotechnical report.

C. Bearing stratum shown on the pier details is Grey Unweathered Limestone.

D. Piers not specifically located on the plan shall be located on centerline of column above. Where no column occurs, locate on centerline of wall or beam.

E. Provide dowels from piers into concrete above using same bar size and number as shown for pilaster above. Where no pilaster occurs, use dowels of same size and number as pier reinforcing steel. Extend dowels 30 bar diameters into pier and beam, wall, pilaster or column, unless noted otherwise on the Structural Drawings.

F. Elevation of top of piers, unless noted otherwise on the Structural Drawings, is at the bottom of the deepest intersecting beam or wall supported by the pier.

G. Reinforcing cage shall be held securely away from earth at sides and bottom by sets of 3 spacers at a maximum spacing of 8 ft. along the length of the cage and 1'-0" from the bottom.

H. Pier reinforcing and concrete shall be placed immediately after drilling operations are complete; in no case shall a pier be drilled that cannot be placed by the end of the workday.

I. See details for pier sizes, reinforcing and depth.

J. The contractor shall verify depths of piers before pier steel is cut. Pier steel may be delivered to the jobsite in standard lengths and cut as required. Provide 64 bar diameter laps in all vertical pier reinforcing.

K. Reinforcing steel shop drawings shall include placing drawings for templates to set dowels in piers.

L. Top of pier shall be of the specified diameter. Form top of pier if required to maintain the specified diameter. Any concrete extending beyond the specified diameter shall be removed.

M. Temporary steel casing may be required during pier drilling operations. Prior to the placement of concrete, any seepage water shall be removed from the pier holes. Special construction procedures in accordance with ACI 336.1 and ACI 336.3R and specifications shall be followed during extraction of the casing and during concrete placement.

N. Contractor shall include in bid documents, unit-costs for casing if required and unit cost for greater and lesser depth of drilling for each pier size.

O. All piers shall be inspected by the geotechnical engineer of record in order to ensure that the proposed bearing material has been reached in accordance with the recommendations given in the geotechnical report.

P. The contractor shall make and maintain accurate records of the drilled pier depths, bearing stratum, depth of penetration into bearing stratum, diameter and location (including off center eccentricities), and shall submit this information to the Engineer.

CAST-IN-PLACE CONCRETE

A. CONCRETE MIX USAGE SCHEDULE:
All concrete shall conform to the requirements as specified in the table below, unless noted otherwise on the Structural Drawings:

Use	Strength psi	Agg. Type	Agg. Size	Max w/c	Exposure Class
Drilled Piers	3000	NWT	1-1/2"	----	F0
Grade Beams	4500	NWT	1"	0.45	F2

1. "NWT" refers to normal concrete having air dry unit weight of approximately 145 PCF (ASCE C33 aggregate)
2. The w/c ratio shall be selected by the concrete provider to meet the strength requirements and shall not exceed w/c ratio = 0.55. Where the maximum w/c ratio is indicated in the table above, it shall not be exceeded.
3. "Strength" is required compressive cylinder strength at an age of 28 days.
4. Concrete slump shall be selected by concrete provider to meet strength requirements and workability required for the concrete placement. Slump shall not exceed 9" for any mix and meet the requirements of the ACI.

B. A maximum of 20% of the cementitious materials used in mix designs may be replaced with class C or F fly ash.

C. Fly ash shall not be used in architecturally exposed concrete.

D. Provide 6 percent plus or minus 1 1/2 percent of entrained air in concrete permanently exposed to the weather and elsewhere at the contractor's option.

E. Horizontal and vertical construction joints in concrete placements shall not be permitted.

F. Embedded conduits, pipes, and sleeves shall meet the requirements of ACI 318, Section 26.8, including the following:
1. Conduits and pipes embedded within a beam (other than those passing through) shall not be larger in outside dimension than 1/3 the overall thickness of the slab, wall or beam in which they are embedded.
2. Conduits, pipes and sleeves shall not be spaced closer than three diameters or widths on center.

G. Void forms: Shall be the product of a reputable manufacturer regularly engaged in commercial production of void forms.
1. Void form composition shall be of corrugated paper material with a moisture resistant exterior and an interior fabrication of a uniform cellular configuration, composed of components constructed of double-faced wax-impregnated (partially only), corrugated fiberboard that is laminated with moisture resistant adhesive.
2. Design and maintain void forms to support all vertical and lateral loads that might be applied during construction until such loads can be supported by the concrete structure.
3. Form material shall be designed to lose its strength under prolonged contact with the moisture which normally accumulates beneath slabs and beams on grade..

H. Submittal: Submit proposed mix designs in accordance with ACI 301, chapter 4.2. Each proposed mix design shall be accompanied by a record of past performance based on at least 30 consecutive strength tests, or by three laboratory trial mixtures with confirmation tests.

I. Grade beams in contact with earth shall be formed both sides unless noted otherwise in details.

J. Concrete sampling for quality assurance: Concrete that is pumped shall be sampled at the point of discharge from the truck for information, including slump, and shall be sampled at the point of placement for acceptance of slump and air content.

CONCRETE REINFORCING:

A. Concrete reinforcement for the project shall conform to the following:
1. All reinforcing steel shall conform to ASTM A615. Grade 60, unless noted otherwise on the Structural Drawings.

B. Detailing of reinforcing steel shall conform to the American Concrete Institute 315 Detailing Manual and all hooks and bends in reinforcing bars shall conform to ACI detailing standards, unless noted otherwise on the Structural Drawings.

C. In unscheduled grade beams, walls, and slabs, detail reinforcing as follows:
1. Class A lap beam top reinforcing bars at mid span.
2. Class A lap beam bottom reinforcing bars at the supports.
3. Provide Class B lap at other location pending Engineer's approval.
4. Provide standard hooks in top bars at discontinuous ends of beams.

D. Welding of reinforcing steel will not be permitted unless specifically shown on the Structural Drawings.

E. Heat shall not be used in the fabrication or installation of reinforcement.

F. Reinforcing steel clear cover shall be as follows:
1. Drilled Piers 3"
2. Grade beams 1 1/2" top, 2" sides, 3" bottom

G. Submittal: Submit shop drawings for fabrication, bending, and placement of concrete reinforcement. Comply with ACI 315 "Details and Detailing of Concrete Reinforcement". Do not reproduce the Structural Drawings for use as shop drawings.

STRUCTURAL MASONRY

A. Minimum compressive strength of the masonry (f'm) shall be as noted below.

B. Mortar shall conform to ASTM C270, Type S. Masonry cement shall not be used.

C. Concrete masonry units shall be hollow load bearing units which conform to ASTM C90, with a minimum net compressive strength as follows:

Location	f'm (psi)	Net area Compressive Strength of CMU Block (psi)
Typical	2,000	2,000

D. Coarse grout shall conform to ASTM C476 and placed in accordance with TMS 420 Section 3.2.1 and TMS 620 Section 3.5, with a maximum aggregate size of 1/2" and a minimum compressive strength as follows:

Location	Compressive Strength (psi)
Typical	2,000

E. Chases shall be built in and not cut in. Chases shall be plumb and shall be minimum one unit length from jambs of openings. Anchors, wall plugs, accessories and other items to be built in shall be installed as the masonry work progresses. All cutting and fitting of masonry, including that required to accommodate the work of other sections shall be done by masons with masonry saws.

F. Reinforce concrete masonry unit joints with ladder type hot dip galvanized cold-drawn steel conforming to ANSI/ASTM A82, with [W1.7 or W2.8] side rods with W1.7 cross rods.
1. Space joint reinforcing at 16 inches o.c. unless noted otherwise.
2. Lap joint reinforcing 14 inches at splices.
3. Provide prefabricated joint reinforcing corner pieces at all wall corners and intersections.
4. Joint reinforcing shall be discontinuous at control and expansion joints.

G. Lap reinforcing bars in grouted masonry as noted below.

	Single Bar Per Cell	Two Bars Per Cell
1. Vertical bars:		
#5 or smaller rebar	35 bar diameters	72 bar diameters
#6 rebar	56 bar diameters	72 bar diameters
#7 or larger rebar	68 bar diameters	Mechanical splices only
2. Bond beams:	72 bar diameters	72 bar diameters
3. Lintels:	Do not splice	Do not splice

H. Embedded conduits, pipes, and sleeves shall meet the requirements of TMS 420, Section 3.2.2, including the following:
1. Conduits, pipes, and sleeves in masonry shall be no closer than 3 diameters on center. Minimum spacing of conduits, pipes or sleeves of different diameters shall be determined using the larger diameter.
2. Vertical conduits, pipes, or sleeves placed in masonry jambs, columns or pilasters shall not displace more than 2 percent of the net cross-sectional area.
   a. The net cross-sectional area is the area of masonry units, grout, and mortar. Ungrouted cells are not considered part of the net cross-sectional area.

I. Provide 1 inch clear cover between ties or longitudinal reinforcing and the inside face of masonry used as forms in grouted beams, pilasters and columns.

STRUCTURAL STEEL

A. Material
1. "All hot rolled steel members shall be new and conform to ASTM specification A6."
2. ASTM Specification and Grade - clearly mark the grade on each member.
3. Unless noted otherwise on the Structural Drawings, structural steel members shall be:
   a. W-shapes shall conform to ASTM A992.
   b. Angles shall conform to ASTM A36.
   c. Structural steel plates shall conform to ASTM A36.
   d. Any other steel shall conform to ASTM A36.

B. Fabrication
1. Splicing of structural steel members is prohibited without prior approval of the Engineer as to location and type of splice to be made. Any member having splice not shown and detailed on shop drawings will be rejected.
2. Dimensional tolerances of fabricated structural steel shall conform to Section 6.4 of the AISC Code of Standard Practic unless noted otherwise on the structural Drawings.
3. Shop painting: Paint structural steel with one coat of manufacturer's standard red oxide primer applied at a rate to provide a uniform dry film thickness of 2.5 mils.

C. Erection
1. Erection tolerances of anchor bolts, embedded items, and all structural steel unless specified otherwise on the Structural Drawings shall conform to the AISC Code of Standard Practice.
2. Field cutting of structural steel or any field modifications to structural steel shall not be made without prior approval of the Engineer.
3. Contractor shall protect any unprimed structural steel from detrimental effects of corrosion, as required, until the steel is enclosed and protected by the new construction.
4. For any exposed steel not covered by architectural paint specifications, hot dip galvanize after fabrication all structural steel items and connections permanently exposed to the weather, whether specified on the Structural Drawings or not. such items include, but are not limited to:
   a. All embedded plates in concrete
   b. Building cladding support steel in space not air conditioned and/or exposed to moisture outside the exterior waterproofing surface if any.
   c. Railing exposed to weather.
   d. Examine the Architectural and Structural Drawings for other items required to be hot dipped galvanized. Galvanize all nuts, bolts, and washers used in connection with such steel. Field welded connections shall have welds protected with "Z.R.C. Cold Galvanizing Compound" as manufactured by Z.R.C. Company.

D. Submittal: Provide drawings showing details for fabrication and shop assembly of members, erection plans, and details. Include details of connections, camber, weld profiles, and sizes and spacing. Shop and erection drawings shall not be made using reproductions of Structural Drawings.

POST-INSTALLED ANCHORS AND DOWELS

A. Adhesive Anchors:
Note: Hilti anchor rods & Hilti acrylic (epoxy) adhesive products listed below shall be considered as basis of design, unless noted otherwise. Additional anchors listed below may be utilized if officially requested as a substitution by the Contractor and approved by JQ for the specific applications. If a substitution request is submitted, the anchor size and/or spacing is subject to change. Additional cost for design services may apply.
1. Adhesive Anchors with Threaded Rod:
   a. In Concrete: Adhesive Anchors shall have been tested and qualified in accordance with ACI 355.4 and ICC-ES AC 308. Qualifying anchors shall be one of the following products, unless specifically noted otherwise on structural drawings:
      1. Acrylic: HIT-HY 200 V3 SAFESET (-A/-R) (ICC-ES ESR-4878), Hilti Inc.
      2. Acrylic: AT-XP (IAPMO-UES ER-0263), Simpson Strong-Tie Co., Inc.
      3. Acrylic: AC 200+ (ICC-ES ESR-4027), DEWALT
   b. Threaded anchor rod shall be one of the following:
      1. Hilti adhesive: "HIT-Z" AISI 1038
      2. Simpson adhesive: Steel meeting the requirements of ASTM F1554, grade 36.
      3. DEWALT adhesive: Steel meeting the requirements of ASTM A1554, grade 36.
      4. Anchor rod shall have a chamfered end on one end to accept a nut and washer; it may have a 45-degree chisel point on the other end.
      5. Nuts and washers shall have a proof load strength at least as strong as anchor rod. Stainless steel nuts and washers shall be provided with stainless steel rods.

B. Anchor and Dowel Installation Requirements
1. Anchors and dowels of the size and embedment shown on the Drawings shall be installed in accordance with the Contract Documents, the manufacturer's recommendations, and the manufacturer's current evaluation (ICC-ES or IAPMO-UES) report for the anchor. If conflicts exist between these referenced documents, the most stringent requirements shall govern.
2. The Contractor shall locate all existing reinforcing steel and other embedded items contained in the concrete using non-destructive methods and shall position anchor locations to avoid conflicts with existing embedded items. Anchor or dowel locations can be adjusted by a maximum of 1 1/2" from detailed locations to avoid conflicts, but shall neither change arrangement nor move closer to a concrete edge.
3. Based on field verified locations of reinforcing steel and embedded items, the Contractor shall create templates for each anchor group. Submit template dimensions for review prior to fabrication of connection plates.
4. Holes for anchors and dowels shall be drilled in a continuous operation using the drill-bit type and size recommended by the anchor manufacturer. Holes shall be drilled perpendicular to the concrete surface and shall not be enlarged or redirected at any point along its length. Holes shall be drilled using a hamme drill, coring shall not be allowed, unless noted otherwise.
5. Oil free compressed air shall be used to blow out the holes unless one of the approved systems noted below is utilized. Unapproved shop vacs, squeeze bulbs, etc. shall NOT be used. Refer to manufacturer's information for detailed cleaning instructions.
   a. Hilti SAFESET system with Hilti Hollow Drill Bit and Vacuum System (VC150 or VC300) may be used to eliminate hole cleaning with adhesive anchors.
   b. Simpson Speed Clean DXS system may be used to eliminate manual hole cleaning with adhesive anchors.
   c. DEWALT Dust X system with hollow drill bit may be used to eliminate manual hole cleaning with adhesive anchors.
6. All abandoned holes shall be filled with non-metallic nonshrink grout capable of reaching a design compressive strength of 5,000 psi at 28 days.
7. Holes in connection plates shall be no more than 1/16" larger than the anchor diameter for 3/4" diameter anchors or less and holes in connection plates shall be no more than 1/8" larger than the anchor diameter for 1" diameter anchors or larger; Unless specified otherwise by the manufacturer. If larger holes are required for erection purposes. Contractor shall notify Engineer such that a plate washer size can be provided.
8. At the time of anchor installation, concrete shall have a minimum compressive strength of 2500 psi and an age of 21 days.
9. The following parameters were used in the determination of the bond stress for adhesive anchors. Contractor shall notify JQ if any of these parameters are not met:
   a. Drilled hole condition: Dry
   b. No diamond core drilling
   c. Substrate temperature range at the time of installation and conditioned per manufacturer requirements:

Concrete Anchors	Minimum (°F)	Maximum (°F)
Hilti HIT RE-500V3	23	104
Hilti HY 200 V3 (-A/-R)	14	104
Simpson SET-3G	40	100
Simpson AT-XP	14	100
DEWALT Pure 110+	41	104
DEWALT AC 200+	23	104

Masonry Anchors	Minimum (°F)	Maximum (°F)
Hilti HY-270	23	70
Simpson AT-XP	14	100
Simpson SET-XP	50	70
DEWALT AC 100+	14	70

   d. Maximum short term substrate temperature after installation = 130°
   e. Maximum long term substrate temperature after installation = 110°F

C. All post-installed anchors shall be installed by personnel trained by a manufacturer's field representative for each product to be used. A record of training shall be kept on site and be made available to the EOR as requested.

D. For adhesive anchors installed in a horizontal orientation subject to sustained tension loading and all upwardly inclined (including soffit installations) orientation:
1. Per ACI 318-14 (17.8.2.2): Installation shall be performed by personnel certified by ACI/CRSI "Adhesive Anchor Installer Certification Program." Certification shall include written and performance tests.

DESIGN BY OTHERS

A. In accordance with the Specifications the items listed below are not included in the Contract Documents. Design of these elements shall be the responsibility of the Contractor, and shall be designed and sealed by a registered professional engineer licensed in the state having jurisdiction at the project site.
1. Embedded assemblies and inserts, clamps, hangers, trapezes, unistrut, etc. for the support of MEP systems.
2. Embedded assemblies, inserts, and/or hangers for fire suppression systems.
3. Excavation Support and Protection
4. Specialty Retention Systems
5. Marquee Signs (including connection to base structure)

B. Design of the items listed above shall be in accordance with the General Building Code, and shall include all attachments to the structure.

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PROJECT ADDRESS
6911 Victoria Ave, Dallas TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

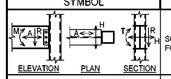
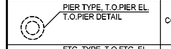
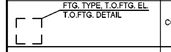
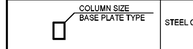
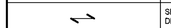
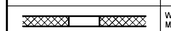
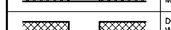
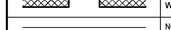
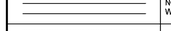
SHEET TITLE
STRUCTURAL NOTES

SHEET NUMBER
S1.01

STRUCTURAL ABBREVIATIONS

ABV.	-	ABOVE	MAT.	-	MATERIAL
A.F.F.	-	ABOVE FINISHED FLOOR	MAX.	-	MAXIMUM
ADDN'L.	-	ADDITIONAL	MECH.	-	MECHANICAL
ADH.	-	ADHESIVE	MEP	-	MECHANICAL, ELECTRICAL, PLUMBING
ADJ.	-	ADJACENT	MEZZ.	-	MEZZANINE
AGGR.	-	AGGREGATE	MID.	-	MIDDLE
A/C	-	AIR CONDITIONER	MPH	-	MILES PER HOUR
AHU	-	AIR HANDLING UNIT	MIN	-	MINIMUM
ALT.	-	ALTERNATE	MISC.	-	MISCELLANEOUS
ALUM.	-	ALUMINUM	M	-	MOMENT
A.C.I.	-	AMERICAN CONCRETE INSTITUTE			
A.I.S.C.	-	AMERICAN INSTITUE OF STEEL CONSTRUCTION	N.F.	-	NEAR FACE
A.B.	-	ANCHOR BOLT	NOM.	-	NOMINAL
&	-	AND	N.S.	-	NON-SHRINK
L	-	ANGLE	N/A	-	NOT APPLICABLE
APPD.	-	APPROVED	N.I.C.	-	NOT IN CONTRACT
APPROX.	-	APPROXIMATE	N.T.S.	-	NOT TO SCALE
ARCH.	-	ARCHITECT	NO. OR #	-	NUMBER
ARCH'L	-	ARCHITECTURAL			
@	-	AT	O.C.	-	ON CENTER
			OPNG(S)	-	OPENING(S)
B. TO B.	-	BACK TO BACK	OPP.	-	OPPOSITE
BM.	-	BEAM	O.H.	-	OPPOSITE HAND
BRG.	-	BEARING	O.D.	-	OUTSIDE DIAMATER
B.F.F.	-	BELOW FINISH FLOOR	O.F.	-	OUTSIDE FACE
BTWN.	-	BETWEEN	OVS	-	OVER-SIZED HOLE
BEV(D)	-	BEVELED)			
BOT.	-	BOTTOM	P	-	PAN
B.O.	-	BOTTOM OF	P.J.	-	PANEL JOINT
B.O.S.	-	BOTTOM OF STEEL	PAR.	-	PARALLEL
BRDG.	-	BRIDGING	PERP.	-	PERPENDICULAR
BLDG.	-	BUILDING	PC.	-	PIECE
			PL.	-	PLATE
C.I.P.	-	CAST-IN-PLACE	PT.	-	POINT
C.L.	-	CENTER LINE	# OR LBS.	-	POUNDS
CTR'D.	-	CENTERED	PCF	-	POUNDS PER CUBIC FOOT
CLR.	-	CLEAR OR CLEARANCE	PLF	-	POUNDS PER LINEAR FOOT
CFS	-	COLD FORMED STEEL	PSF	-	POUNDS PER SQUARE FOOT
COL.	-	COLUMN	PSI	-	POUNDS PER SQUARE INCH
C OR COMP.	-	COMPRESSION	P.E.M.B.	-	PRE-ENGINEERED METAL BUILDING
			PREFAB.	-	PREFABRICATED
CONC.	-	CONCRETE	PRELIM.	-	PRELIMINARY
CMU	-	CONCRETE MASONRY UNIT	P.T.	-	PRESSURE TREATED
CONN(S)	-	CONNECTION(S)	PROJ.	-	PROJECTION
CONST.	-	CONSTRUCTION			
CONST. JT.	-	CONSTRUCTION JOINT	QTY.	-	QUANTITY
CONT.	-	CONTINUOUS			
CONTR.	-	CONTRACTOR	R	-	RADIUS
C.J.	-	CONTROL JOINT	REINF.	-	REINFORCE(ING)(ED)(MENT)
COORD.	-	COORDINATE	RCP	-	REINFORCED CONCRETE PIPE
			REM.	-	REMAINDER
D.L.	-	DEAD LOAD	REQ.	-	REQUIRE
D.B.A.	-	DEFORMED BAR ANCHOR	REQ'D.	-	REQUIRED
D.	-	DEPTH	RET. SYS.	-	RETENTION SYSTEM
DTL.	-	DETAIL	RIS.	-	RISER
DIAG.	-	DIAGONAL	RF.	-	ROOF
DIA OR Ø	-	DIAMETER	R.D.	-	ROOF DRAIN
DIM(S).	-	DIMENSION(S)	R.T.U.	-	ROOF TOP UNIT
DWL(S).	-	DOWEL(S)	RM.	-	ROOM
DN.	-	DOWN	R.O.	-	ROUGH OPENING
DWG(S).	-	DRAWING(S)	RND.	-	ROUND
EA.	-	EACH	SCHED.	-	SCHEDULE(D)
E.F.	-	EACH FACE	SECT.	-	SECTION
E.W.	-	EACH WAY	V	-	SHEAR
E.O.D.	-	EDGE OF DECK	SHT.	-	SHEET
ELEC.	-	ELECTRICAL	SSL	-	SHORT SLOTTED HOLE
EL.	-	ELEVATION	SIM.	-	SIMILAR
EMBED.	-	EMBEDMENT	S.O.G.	-	SLAB ON GRADE
ENGR.	-	ENGINEER	SPA.	-	SPACE
EQ.	-	EQUAL	SPEC(S)	-	SPECIFICATION(S)
EQUIP.	-	EQUIPMENT	SPEC'D	-	SPECIFIED
EF	-	EXHAUST FAN	SQ.	-	SQUARE
(E)	-	EXIST.	S.F.	-	SQUARE FOOT
EXIST.	-	EXISTING	STAGG.	-	STAGGERED
EXP.	-	EXPANSION	S.S.	-	STAINLESS STEEL
E.J.	-	EXPANSION JOINT	STD.	-	STANDARD
EXT.	-	EXTERIOR	STL.	-	STEEL
			S.J.I.	-	STEEL JOIST INSTITUE
FABR.	-	FABRICATOR	STIFF	-	STIFFENER
F. TO F.	-	FACE TO FACE	STIRR.	-	STIRRUPS
F.S.	-	FAR SIDE	STR.	-	STRAIGHT
F.V.	-	FIELD VERIFY	STRUCT'L	-	STRUCTURAL
FIN(D)	-	FINISH(ED)	STRUCT.	-	STRUCTURE
FIN. FL.	-	FINISHED FLOOR	SUBCONTR.	-	SUBCONTRACTOR
FLG.	-	FLANGE	SUPT(S).	-	SUPPORT(S)
FL.	-	FLOOR			
F.D.	-	FLOOR DRAIN	TEMP.	-	TEMPERATURE
FT.	-	FOOT (OR) FEET	T	-	TENSION
FDN.	-	FOUNDATION	TERR.	-	TERRAZZO
FRMG	-	FRAMING	THK.	-	THICK
F.P.	-	FULL PENETRATION	THRD.	-	THREAD(ED)
			T&G	-	TONGUE AND GROOVE
GA.	-	GAGE OR GAUGE	T&B	-	TOP AND BOTTOM
GALV.	-	GALVANIZED	T.O.	-	TOP OF
G.C.	-	GENERAL CONTRACTOR	T.O.B.	-	TOP OF BEAM
GR.	-	GRADE	T.O.C.	-	TOP OF CONCRETE
GR. BM.	-	GRADE BEAM	T.O.F.	-	TOP OF FOOTING
			T.O.J.	-	TOP OF JOIST
H.S.A.	-	HEADED STUD ANCHOR	T.O.P.	-	TOP OF PIER
HT.	-	HEIGHT	T.O.P.C.	-	TOP OF PIER (PILE) CAP
H.P.	-	HIGH POINT	T.O.S.	-	TOP OF STEEL
HSS	-	HOLLOW STRUCTURAL SECTION	T.O.W.	-	TOP OF WALL
HORIZ.	-	HORIZONTAL	TRANSV.	-	TRANSVERSE
H.B.	-	HORIZONTAL BRACE	TYP.	-	TYPICAL
H.D.	-	HOT-DIP			
			U.N.O.	-	UNLESS NOTED OTHERWISE
IN.	-	INCH			
INFO.	-	INFORMATION	VERT.	-	VERTICAL
I.D.	-	INSIDE DIAMETER	V.B.	-	VERTICAL BRACE
I.F.	-	INSIDE FACE			
INT.	-	INTERIOR	WPFG.	-	WATERPROOFING
INTERM.	-	INTERMEDIATE	WS.	-	WATERSTOP
			WT.	-	WEIGHT
JT.	-	JOINT	W.W.M.	-	WELDED WIRE MESH
J.G.	-	JOIST GIRDER	W.	-	WIDTH
JST(S)	-	JOIST(S)	W.L.	-	WIND LOAD
			W/	-	WITH
KLF	-	KIP PER LINEAR FOOT	W/O	-	WITHOUT
KSF	-	KIP PER SQUARE FOOT	W.P.	-	WORK POINT
KSI	-	KIP PER SQUARE INCH			
K	-	KIPS (1000 LBS)			
L	-	LENGTH			
L.W.	-	LIGHTWEIGHT			
L.W.C.	-	LIGHTWEIGHT CONCRETE			
L.L.	-	LIVE LOAD			
LOC.	-	LOCATION			
LLH	-	LONG LEG HORIZONTAL			
LLV	-	LONG LEG VERTICAL			
LSH	-	LONG SIDE HORIZONTAL			
LSV	-	LONG SIDE VERTICAL			
LSL	-	LONG SLOTTED HOLE			
LONG	-	LONGITUDINAL			
L.P.	-	LOW POINT			
MFR.	-	MANUFACTURE(R)			
MAS.	-	MASONRY			

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
 ELEVATION PLAN SECTION	SCHEMATIC FORCE DIAGRAM
	CONCRETE PIER
	CONCRETE FTG.
	STEEL COLUMN
	NEW COLUMN GRID
	EXISTING COLUMN GRID
	SLAB OR DECK SPAN DIRECTION
	DROP IN SLAB OR DECK
	DROP AND SLOPE IN SLAB OR DECK
	SLOPE IN SLAB OR DECK
	MASONRY WALL
	WINDOW IN MASONRY WALL
	DOOR IN MASONRY WALL
	NONLOAD-BEARING WALL
	EXISTING CONSTRUCTION
	MISCELLANEOUS - SEE PLAN
	DEMO
	ROOF TOP UNIT (RTU)

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PROJECT NO. 32460115 TBPE FIRM F-7986

11/11/2024

STATE OF TEXAS
JEE HYUP YOO
147590
LICENSED PROFESSIONAL ENGINEER

	DATE	ISSUE
A	11 NOV 2024	100% Construction Documents

PROJECT NAME

Org 194 K.B. Polk Center for the Academically Talented & Gifted

PROJECT ADDRESS

6911 Victoria Ave, Dallas TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE

STRUCTURAL ABBREVIATIONS & SYMBOLS LEGEND

SHEET NUMBER

S1.02

SPECIAL INSPECTIONS

1. Special Inspections shall be performed in accordance with Chapter 17 of the 2021 International Building Code (IBC) by a Special Inspector hired by the Owner to perform the Special Inspections listed below. The Special Inspector shall be qualified by an approved agency according to the City's building official to perform the special inspections for which they will be undertaking. The Contractor shall coordinate with and notify the Special Inspector of all tests. The Special Inspector shall be responsible to verify that the items detailed in the Construction Documents were built accordingly and shall prepare, sign, and furnish inspection reports to the building official and the Architect for all time spent at the site. The Inspector shall bring discrepancies to the immediate attention of the General Contractor for correction. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the building official and to the Architect prior to the completion of that phase of the work. These special inspections are in addition to the other inspections listed in these Structural Notes or Project Specifications.

2. Where structural load-bearing members and assemblies are shop fabricated, the Special Inspector shall verify that the fabricator maintains detailed fabrication and quality control procedures that provide a basis for inspection control of the workmanship and the fabricator's ability to conform to the Construction Documents and Referenced Standards, unless the fabricator is registered and approved to perform such work without special inspection.

VERIFICATION AND INSPECTION TASKS FOR WELDING OF STRUCTURAL STEEL[1] (AISC 360-16 Table N5.4)

SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE
		CONTINUOUS	PERIODIC		
	1. Inspection tasks prior to welding:				
YES	a. Welder qualification records and continuity records.	X	--		
YES	b. Welding procedure specifications (WPSs) available	X	--		
YES	c. Manufacturer certifications for welding consumables available	X	--		
YES	d. Material identification (type/grade)[2]	--	X		
YES	e. Welder identification system[2]	--	X		
YES	f. Fit-up of groove welds (including joint geometry)[2] 1) Joint preparations 2) Dimensions (alignment, root opening, root face, bevel) 3) Cleanliness (condition of steel surfaces) 4) Tacking (tack weld quality and location) 5) Backing type and fit (if applicable)	--	X	AISC 360-16 N5.4-1; AWS D1.1	1705.2.1
YES	g. Fit-up of CJP groove welds of HSS T-, Y- and K-joints without backing (including joint geometry) 1) Joint preparations 2) Dimensions (alignment, root opening, root face, bevel) 3) Cleanliness (condition of steel surfaces) 4) Tacking (tack weld quality and location)	X	--		
YES	h. Configuration and finish of access holes.[3]	--	X		
YES	i. Fit-up of fillet welds[2] 1) Dimensions (alignment, gaps at root) 2) Cleanliness (condition of steel surfaces) 3) Tacking (tack weld quality and location)	--	X		
YES	j. Check welding equipment	--	X		
	2. Inspection tasks during welding:				
YES	a. Control and handling of welding consumables[2] 1) Packaging 2) Exposure control	--	X		
YES	b. No welding over cracked tack welds[2]	--	X		
YES	c. Environmental conditions[2] 1) Wind speed within limits 2) Precipitation and temperature	--	X		
YES	d. WPS followed[2] 1) Settings on weld equipment 2) Travel speed 3) Selected welding materials 4) Shielding gas type/flow rate 5) Preheat applied 6) Interpass temperature maintained (min./max.) 7) Proper position (F, V, H, OH)	--	X	AISC 360-16 N5.4-2; AWS D1.1	1705.2.1
YES	e. Welding techniques[2] 1) Interpass and final cleaning 2) Each pass within profile limitations 3) Each pass meets quality requirements	--	X		
YES	f. Placement and installation of steel headed stud anchors	X	--		
	3. Inspection tasks after welding:				
YES	a. Welds cleaned	--	X		
YES	b. Size, length and location of welds	X	--		
YES	c. Welds meet visual acceptance criteria 1) Crack prohibition 2) Weld/base-metal fusion 3) Crater cross section 4) Weld profiles 5) Weld size 6) Undercut 7) Porosity	X	--	AISC 360-16 N5.4-3; AWS D1.1	1705.2.1
YES	d. Arc strikes	X	--		
YES	e. k-area[3]	X	--		
YES	f. Weld access holes in rolled heavy shapes and built-up heavy shapes[4]	X	--		
YES	g. Backing removed and weld tabs removed (if required)	X	--		
YES	h. Repair activities	X	--		
YES	i. Document acceptance or rejection of welded joint or member	X	--		
YES	j. No prohibited welds have been added without the approval of the EOR	X	--		

1. Inspection tasks noted in this table are the responsibility of the Special Inspector or Quality Assurance Inspector (QAI). The fabricator and erector are responsible for all inspection tasks indicated in AISC 360-16 Section N5 and assigned to the Quality Control Inspector (QCI)

2. Inspection tasks may be coordinated with the fabricator or erector's Quality Control Inspector (QCI) where indicated with this footnote. All other tasks shall be performed by the Special Inspector.

3. When welding of doubler plates, continuity plates or stiffeners has been performed in the k-area, visually inspect the web k-area for cracks within 3 in. (75 mm) of the weld.

4. After rolled heavy shapes and built-up heavy shapes are welded, visually inspect the weld access hole for cracks.

VERIFICATION AND INSPECTION TASKS FOR BOLTING STRUCTURAL STEEL[1] (AISC 360-16 Tables N5.6)

SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE
		CONTINUOUS	PERIODIC		
	1. Inspection tasks prior to bolting:				
YES	a. Manufacturer's certifications available for fastener materials	X	--	AISC 360-16 N5.6-1	1705.2.1
YES	b. Fasteners marked in accordance with ASTM requirements	--	X		
YES	c. Correct fasteners selected for the joint detail (grade, type, bolt length if threads are to be excluded from shear plane)[2]	--	X		
YES	d. Correct bolting procedure selected for joint detail[2]	--	X		
YES	e. Connecting elements, including the appropriate faying surface condition and hole preparation, if specified, meet applicable requirements	--	X		
YES	f. Pre-installation verification testing by installation personnel observed and documented for fastener assemblies and methods used	--	X		
YES	g. Proper storage provided for bolts, nuts, washers and other fastener components	--	X		
	2. Inspection tasks during bolting:				
YES	a. Fastener assemblies placed in all holes and washers and nuts are positioned as required	--	X	AISC 360-16 N5.6-2	1705.2.1
YES	b. Joint brought to the snug-tight condition prior to the pretensioning operation[2]	--	X		
YES	c. Fastener component not turned by the wrench prevented from rotating.[2]	--	X		
YES	d. Fasteners are pretensioned in accordance with the RCSC Specification, progressing systematically from the most rigid point toward the free edges	--	X		
	3. Inspection tasks after bolting:				
YES	a. Document acceptance or rejection of bolted connections	X	--	AISC 360-16 N5.6-3	1705.2.1

1. Inspection tasks noted in this table are the responsibility of the Special Inspector or Quality Assurance Inspector (QAI). The fabricator and erector are responsible for all inspection tasks indicated in AISC 360-16 Section N5 and assigned to the Quality Control Inspector (QCI)

2. Inspection tasks may be coordinated with the fabricator or erector's Quality Control Inspector (QCI) where indicated with this footnote. All other tasks shall be performed by the Special Inspector.

VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION (IBC TABLE 1705.3)

SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION	INSPECTION FREQUENCY		REFERENCED STANDARD	IBC REFERENCE
		CONTINUOUS	PERIODIC		
YES	1. Inspect reinforcement, including prestressing tendons, and verify placement.	--	X	ACI 318 Ch. 20, 25.2, 25.3, 26.6.1-26.6.3	--
	2. Reinforcing bar welding:			AWS D1.4 ACI 318: 26.6.4	--
NO	a. Verify weldability of reinforcing bars other than ASTM A706	--	X[2]		
NO	b. Inspect single-pass fillet welds, maximum 5/16"	--	X		
NO	c. Inspect all other welds.	X[1]	--		
YES	3. Inspect anchors and dowels cast in concrete.	--	X[1]	ACI 318: 17.8.2	--
	4. Inspect post-installed anchors and dowels in hardened concrete.				
YES	a. Mechanical anchors and adhesive anchors and dowels installed in horizontally or upwardly inclined orientations to resist sustained tension loads.	X[2]	--	ACI 318: 17.8.2.4	--
YES	b. Mechanical anchors and adhesive anchors and dowels not defined in 4.a.	--	X[2]	ACI 318: 17.8.2	
YES	5. Verify use of required design mix.	--	X	ACI 318: Ch. 19, 26.4.3, 26.4.4	1904.1, 1904.2
YES	6. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	X[3]	--	ASTM C172 ASTM C31 ACI 318: 26.5, 26.12	--
YES	7. Inspect concrete and shotcrete placement for proper application techniques.	X	--	ACI 318: 26.5	--
YES	8. Verify maintenance of specified curing temperature and techniques.	--	X	ACI 318: 26.5.3-26.5.5	--
	9. Inspection of prestressed concrete:				
NO	a. Application of prestressing forces	X	--	ACI 318: 26.10	--
NO	b. Grouting of bonded prestressing tendons	X	--	ACI 318: 26.10	
NO	10. Inspect erection of precast concrete members.	--	X	ACI 318: 26.9	--
	11. For precast concrete diaphragm connections or reinforcement at joints classified as moderate or high deformability elements (MDE or HDE) in structures assigned to Seismic Design Category C, D, E or F, inspect such connections and reinforcement in the field for:				
NO	a. Installation of the embedded parts	X	--	ACI 318: 26.13.1.3	--
NO	b. Completion of the continuity of reinforcement across joints.	X	--	ACI 550.5	
NO	c. Completion of connections in the field.	X	--		
NO	12. Inspect installation tolerances of precast concrete diaphragm for compliance with ACI 550.5.	--	X	ACI 318: 26.13.1.3	--
YES	13. Verify in-situ concrete strength, prior to stressing of tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs.	--	X[2]	ACI 318: 26.11.2	--
YES	14. Inspect formwork for shape, location and dimensions of the concrete member being formed.	--	X	ACI 318: 26.11.1.2(b)	--

1. Special Inspections of welding and qualifications of special inspectors for reinforcing bars shall be in accordance with the requirements of AWS D1.4 for special inspection and AWS D1.4 for special inspector qualification.

2. Post-Installed anchors and dowels shall be either (a.) visually inspected during installation, or (b.) load tested after installation as noted below:
   a. Visual inspections shall be performed during the installation by a Special Inspector certified by ACI as a "Post-Installed Concrete Anchor Installation Inspector". Submit a report to the licensed design professional and building official documenting that the work covered by the report has been performed and that the materials used and the installation procedures used conform with the approved construction documents and the Manufacturer's Printed Installation Instructions.
   b. Load Testing shall comply with the following:
      i. Test at least ten (10) percent of each type and diameter of post-installed anchors. If one or more anchors fail the test, all post-installed anchors of the same diameter and type installed the same day as the failed anchor shall be load tested at the contractor's expense. If additional anchors fail, the engineer may require testing all anchors of the same diameter and type already installed at the contractor's expense.
      ii. Tension testing shall comply with ASTM E488
      iii. Test post-installed anchors to 50 percent of ultimate tensile capacity of post-installed anchor.
      iv. Apply test loads with a calibrated hydraulic ram.
      v. Displacement of post-installed anchors shall not exceed D/10, where D is nominal diameter of anchor being tested.
      vi. Correct defective work by removing and replacing or correcting, as directed by engineer.
      vii. Contractor shall pay for all corrections, engineering, and additional testing associated with failed anchor tests.
      viii. Testing agency shall submit test results to contractor and engineer with 24 hours of completion of test.

3. In the absence of sufficient data or documentation providing evidence of conformance to quality standards for materials in Chapters 19 and 20 of ACI 318, the building official shall require testing of materials in accordance with the appropriate standard and criteria for the material in Chapters 19 and 20 of ACI 318.

LEVEL 1 REQUIRED VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION (TMS 602-16 Table 3 and Table 4)

MINIMUM VERIFICATION
Prior to construction, verification of compliance of submittals.
INSPECTION TASK
Verify compliance with the approved submittals

VERIFICATION AND INSPECTION OF SOILS (IBC TABLE 1705.6)

SPECIAL INSPECTION REQUIRED	VERIFICATION, INSPECTION AND TESTING	INSPECTION FREQUENCY	
		CONTINUOUS	PERIODIC
YES	1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	--	X
YES	2. Verify excavations are extended to proper depth and have reached proper material.	--	X
YES	3. Perform classification and testing of compacted fill materials.	--	X
YES	4. During fill placement, verify use of proper materials and procedures in accordance with the provisions of the approved geotechnical report. Verify densities and lift thicknesses during placement and compaction of compacted fill.	X	--
YES	5. Prior to placement of compacted fill, inspect subgrade and verify that site has been prepared properly.	--	X

VERIFICATION AND INSPECTION OF CAST-IN-PLACE DEEP FOUNDATION ELEMENTS (IBC TABLE 1705.8)

SPECIAL INSPECTION REQUIRED	VERIFICATION AND INSPECTION	INSPECTION FREQUENCY	
		CONTINUOUS	PERIODIC
YES	1. Inspect drilling operations and maintain complete and accurate records for each element.	X	--
YES	2. Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable) and adequate end bearing strata capacity. Record concrete or grout volumes.	X	--
YES	3. For concrete elements, perform additional inspections in accordance with IBC Section 1705.3 and the concrete special inspection table.	--	--

1. Whenever there is a reasonable doubt as to the structural integrity of a deep foundation element, an engineering assessment shall be required. The engineering assessment shall include tests for defects performed in accordance with ASTM D4945, ASTM D5822, ASTM D6760 or ASTM D7949, or other approved method.

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11/18/2024

STATE OF TEXAS
JEE HYUN YOO
147690
LICENSED PROFESSIONAL ENGINEER

△	DATE	ISSUE
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PROJECT NAME

Org 194 K.B. Polk Center for the Academically Talented & Gifted

PROJECT ADDRESS

6911 Victoria Ave, Dallas TX 75209

KIRKSEY PROJECT NO. 2023351

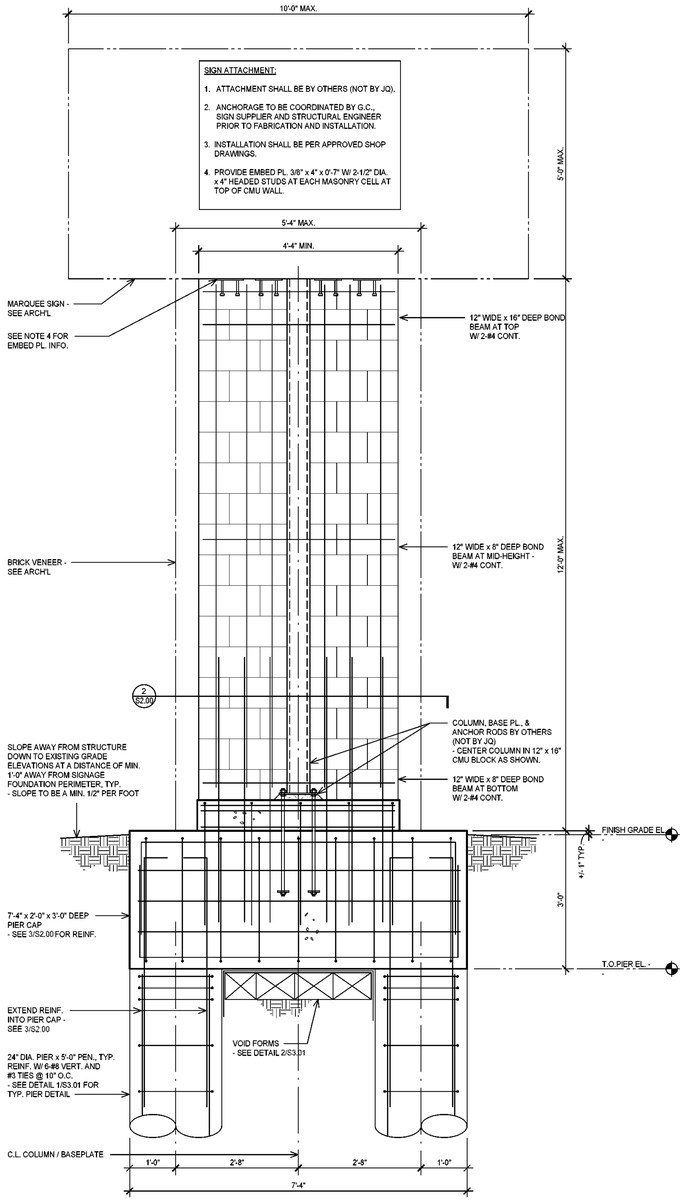
KEY PLAN

SHEET TITLE

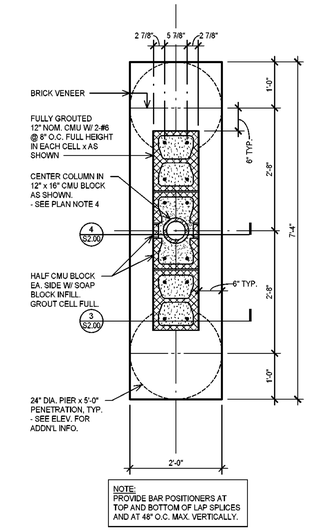
SPECIAL INSPECTIONS

SHEET NUMBER

S1.03



1 MARQUEE SIGN ELEVATION
SCALE: 3/4" = 1'-0"



2 MARQUEE SIGN FOUNDATION PLAN
SCALE: 3/4" = 1'-0"

PLAN NOTES:

1. SEE ARCHITECTURAL PLAN FOR FINAL LOCATION AND ORIENTATION OF SIGNAGE.
2. CENTERLINES OF PIERS SHALL BE LOCATED AS DIMENSIONED ON PLAN.
3. CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES PRIOR TO DRILLING PIERS.
4. "CAST-IN-PLACE" SIGN ANCHORAGE COLUMN, BASE PL., & ANCHORS RODS IS DELEGATED DESIGN BY OTHERS. (NOT BY JQ)

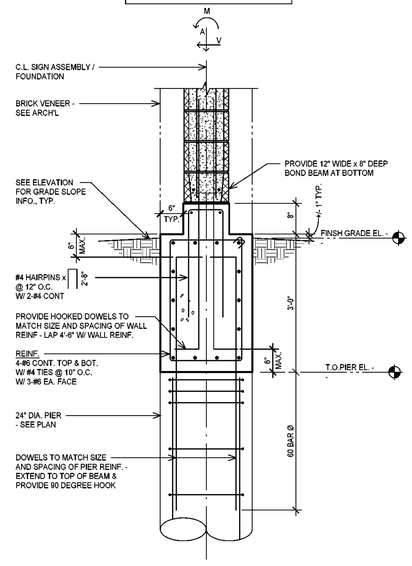
SHEET INDEX:

STRUCTURAL NOTES	-S1.01
TYPICAL DETAILS	-S3.01

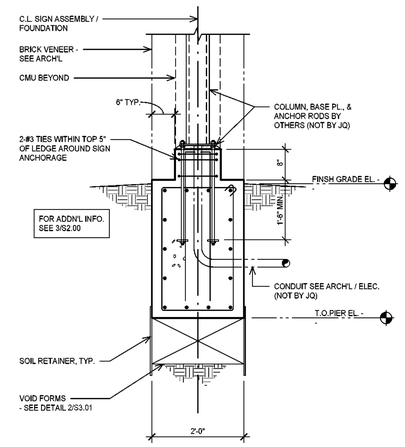
SIGN FOUNDATIONS HAVE BEEN DESIGNED FOR THE FOLLOWING DESIGN FORCE ASSUMPTIONS @ TOP OF CMU:

(STRENGTH LEVEL)
AXIAL (A) = 1.0 KLF
SHEAR (V) = 0.2 KLF
MOMENT (M) = 0.7 K-FT/FT

INFORM JQ ENGINEERING IF MFR. DESIGN FORCES EXCEED VALUES ABOVE.



3 SECTION
SCALE: 3/4" = 1'-0"



4 SECTION
SCALE: 3/4" = 1'-0"

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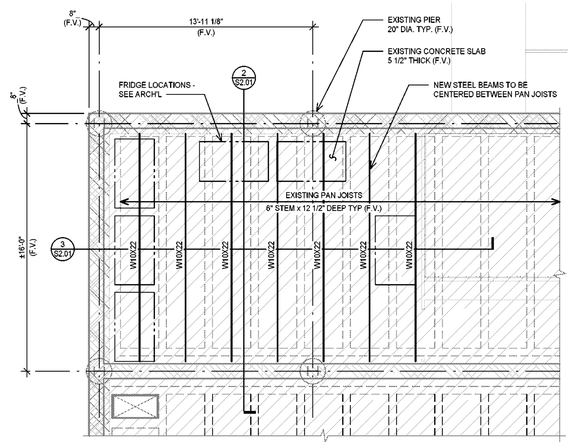
KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE
MARQUEE SIGN ELEVATION AND DETAILS

SHEET NUMBER
S2.00



north

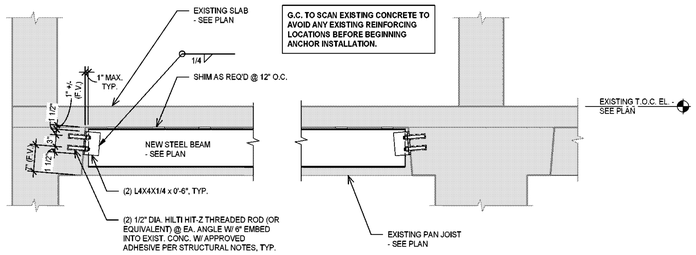
1 KITCHEN STORAGE FOUNDATION PLAN
SCALE: 1/4" = 1'-0"

PLAN NOTES:

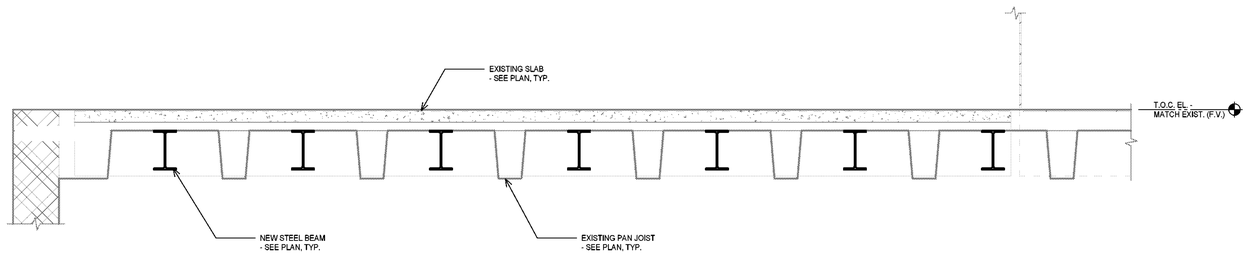
1. REF. ARCH. LEVEL 1 FLOOR PLAN FOR KITCHEN STORAGE ROOM LOCATION.
2. EXISTING FINISH FLOOR ELEVATION = 100'-0", UNLESS NOTED OTHERWISE.
3. TOP OF CONCRETE ELEVATION (T.O.C. EL.) = FINISH FLOOR. UNLESS RECESSED TO RECEIVE FLOORING MATERIALS.
4. CONTRACTOR TO VERIFY EXISTING SLAB THICKNESS AND PAN JOISTS NOTED ON PLAN.

SHEET INDEX:

STRUCTURAL NOTES	-S1.01
TYPICAL DETAILS	-S2.01



2 SECTION
SCALE: 3/4" = 1'-0"



3 SECTION
SCALE: 3/4" = 1'-0"

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KIRKSEY PROJECT NO. 2023351

KEY PLAN

JQI HAS ATTEMPTED STUDY OF ORIGINAL CONSTRUCTION DOCUMENTS TO DETERMINE EXISTING DIMENSIONS, THE CONDITION OF VARIOUS STRUCTURAL ELEMENTS AND EXISTING CONDITIONS.

HOWEVER, AS SOME CONDITIONS CANNOT BE DETERMINED UNTIL AFTER DEMOLITION OF THE EXISTING BUILDING FINISHES, THE CONTRACTOR MUST CONSIDER AND ALLOW FOR THE FACT THAT DIMENSIONS, THE CONDITION OF STRUCTURAL ELEMENTS, AND DETAIL CONDITIONS MAY BE DIFFERENT FROM THOSE SHOWN ON THESE DRAWINGS.

NOTIFY ENGINEER WHERE CONDITIONS ARE DIFFERENT FROM THOSE SHOWN ON THESE DRAWINGS.

SHEET TITLE
KITCHEN ADDITION FOUNDATION PLAN AND DETAILS

SHEET NUMBER
S2.01

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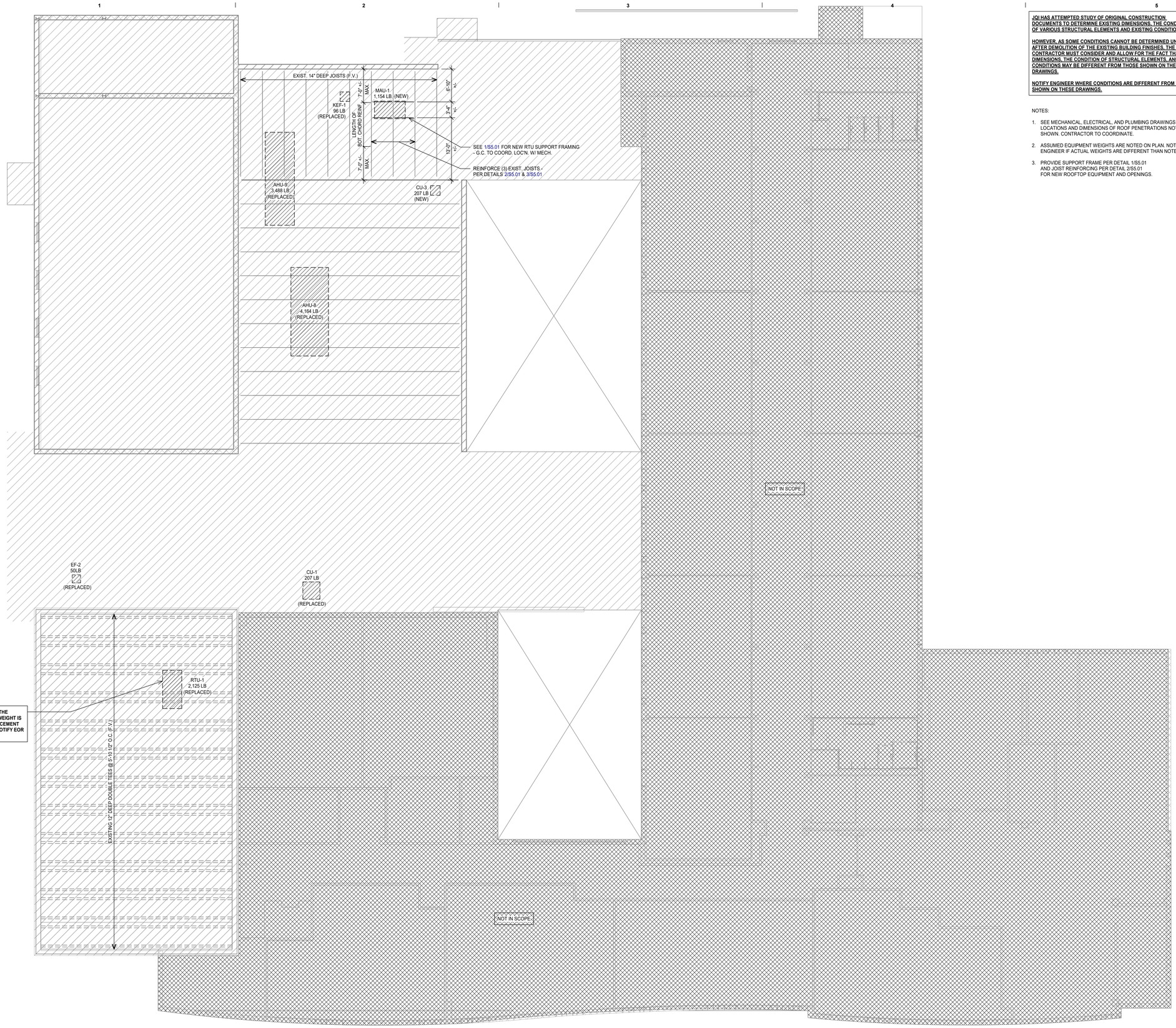

1 LEVEL 2 RTU PLAN
SCALE: 1/8" = 1'-0"

north

JQI HAS ATTEMPTED STUDY OF ORIGINAL CONSTRUCTION DOCUMENTS TO DETERMINE EXISTING DIMENSIONS, THE CONDITION OF VARIOUS STRUCTURAL ELEMENTS AND EXISTING CONDITIONS.

HOWEVER, AS SOME CONDITIONS CANNOT BE DETERMINED UNTIL AFTER DEMOLITION OF THE EXISTING BUILDING FINISHES, THE CONTRACTOR MUST CONSIDER AND ALLOW FOR THE FACT THAT DIMENSIONS, THE CONDITION OF STRUCTURAL ELEMENTS, AND DETAIL CONDITIONS MAY BE DIFFERENT FROM THOSE SHOWN ON THESE DRAWINGS.

NOTIFY ENGINEER WHERE CONDITIONS ARE DIFFERENT FROM THOSE SHOWN ON THESE DRAWINGS.

NOTES:

1. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR LOCATIONS AND DIMENSIONS OF ROOF PENETRATIONS NOT SHOWN. CONTRACTOR TO COORDINATE.
2. ASSUMED EQUIPMENT WEIGHTS ARE NOTED ON PLAN. NOTIFY ENGINEER IF ACTUAL WEIGHTS ARE DIFFERENT THAN NOTED.
3. PROVIDE SUPPORT FRAME PER DETAIL 1/S5.01 AND JOIST REINFORCING PER DETAIL 2/S5.01 FOR NEW ROOFTOP EQUIPMENT AND OPENINGS.

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100 GLASS STREET, SUITE 201
DALLAS, TEXAS 75207
972.392.7340
JQENG.COM
PROJECT NO: 3240115
TBPE FIRM F-7986

11/11/2024
STATE OF TEXAS
JEE HYUK YOO
147690
LICENSED
PROFESSIONAL ENGINEER

	DATE	ISSUE
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PROJECT NAME
Org 194 K.B. Polk Center for the Academically Talented & Gifted

PROJECT ADDRESS
6911 Victoria Ave, Dallas TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE
LEVEL 2 RTU PLAN

SHEET NUMBER
S2.02

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

north

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HOWEVER, AS SOME CONDITIONS CANNOT BE DETERMINED UNTIL AFTER DEMOLITION OF THE EXISTING BUILDING FINISHES, THE CONTRACTOR MUST CONSIDER AND ALLOW FOR THE FACT THAT DIMENSIONS, THE CONDITION OF STRUCTURAL ELEMENTS, AND DETAIL CONDITIONS MAY BE DIFFERENT FROM THOSE SHOWN ON THESE DRAWINGS.

NOTIFY ENGINEER WHERE CONDITIONS ARE DIFFERENT FROM THOSE SHOWN ON THESE DRAWINGS.

NOTES:

1. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR LOCATIONS AND DIMENSIONS OF ROOF PENETRATIONS NOT SHOWN. CONTRACTOR TO COORDINATE.
2. ASSUMED EQUIPMENT WEIGHTS ARE NOTED ON PLAN. NOTIFY ENGINEER IF ACTUAL WEIGHTS ARE DIFFERENT THAN NOTED.
3. PROVIDE SUPPORT FRAME PER DETAIL 1/S5.01 AND JOIST REINFORCING PER DETAIL 2/S5.01 FOR NEW ROOFTOP EQUIPMENT AND OPENINGS.

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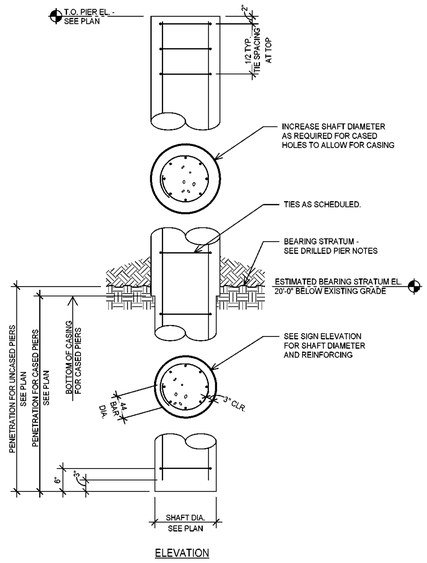
KEY PLAN

SHEET TITLE
ROOF PLAN

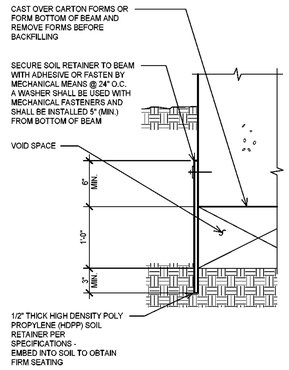
SHEET NUMBER
S2.03



ELEVATION

1 TYPICAL CASED DRILLED PIER DETAIL

SCALE: 3/4" = 1'-0"



NOTES:

1. FORM ALL SIDES OF ALL BELOW GRADE BEAMS. EARTH FORMING IS NOT PERMITTED.
2. PLACE SOIL RETAINERS AT SIDES OF VOID SPACE UNDER ALL STRUCTURAL GRADE BEAMS, AND WALLS BELOW GRADE.
3. INSTALL SOIL RETAINERS IN STRICT ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND AS FOLLOWS:
   - A. PLACE BASE OF SOIL RETAINER IN A 3" DEEP TRENCH CUT IN UNDISTURBED SOIL OR COMPACTED FILL.
   - B. STARTING AT END OF THE BEAM, LAY SOIL RETAINER IN TRENCH AND PLACE VERTICAL AGAINST BEAM OR WALL PANEL. OVERLAP ENDS OF ADJACENT SOIL RETAINERS 6" MIN. & SECURE TO BEAM OR WALL THROUGH OVERLAP.
   - C. CUT TO FIT ENDS OF BEAMS OR WALL PANELS. CUT LENGTHS LESS THAN 1'-0" IN LENGTH SHALL NOT BE USED.
   - D. PLACE BACKFILL AS SPECIFIED AFTER COMPLETION OF SOIL RETAINER INSTALLATION. TAKE NECESSARY PRECAUTIONS TO PROTECT SOIL RETAINERS FROM DAMAGE FROM COMPACTION EQUIPMENT.
4. STORE RETAINERS FLAT AND PROTECTED FROM DIRECT SUNLIGHT TO AVOID WARPAGE.

2 TYPICAL HDPP SOIL RETAINER DETAIL

NO SCALE

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11/11/2024

STATE OF TEXAS
JEE HYUK YOO
147590
LICENSED PROFESSIONAL ENGINEER

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KEY PLAN

SHEET TITLE

TYPICAL CONCRETE DETAILS

SHEET NUMBER

S3.01

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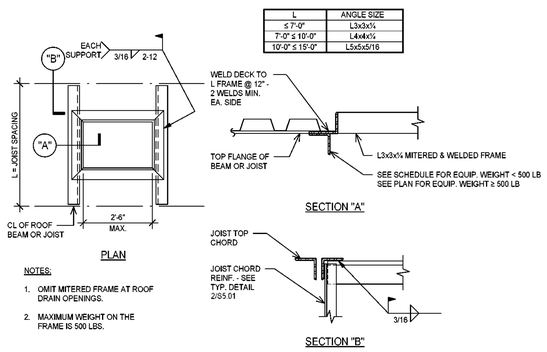
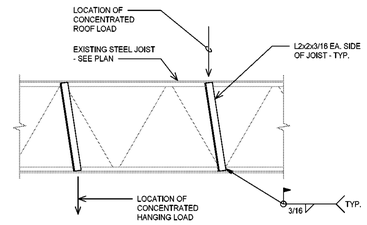


L	ANGLE SIZE
≤ 7'-0"	L3x3x¼
7'-0" ≤ 10'-0"	L4x4x¼
10'-0" ≤ 15'-0"	L5x5x5/16

NOTES:

1. OMIT MITERED FRAME AT ROOF DRAIN OPENINGS.
2. MAXIMUM WEIGHT ON THE FRAME IS 500 LBS.

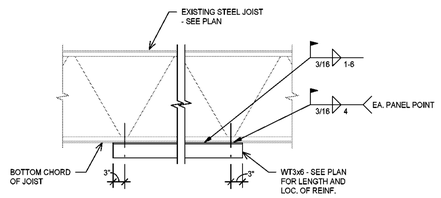
1 TYPICAL ROOF OPENING DETAIL
NO SCALE



NOTES:

1. THIS DETAIL APPLIES WHEREVER A CONCENTRATED LOAD GREATER THAN 100 POUNDS OCCURS MORE THAN 4" AWAY FROM A JOIST TOP OR BOTTOM CHORD PANEL POINT. MAXIMUM LOAD TO BE APPLIED WITHOUT CONSULTATION WITH ENGINEER IS 250 POUNDS. DO NOT PLACE CONCENTRATED LOADS CLOSER THAN 4'-0" O.C.
2. ALL HANGERS OR ATTACHMENTS TO JOISTS SHALL BE PLACED CONCENTRIC WITH THE TOP AND BOTTOM CHORD(S) AND SHALL NOT ATTACH TO ONLY ONE ANGLE OF CHORD.

2 TYPICAL JOIST CHORD REINFORCEMENT DETAIL
NO SCALE



3 JOIST BOTTOM CHORD REINFORCEMENT DETAIL
NO SCALE

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11/11/2024

STATE OF TEXAS
JEE HYUP YOO
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PROJECT NAME

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KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE

STEEL DETAILS

SHEET NUMBER

S5.01

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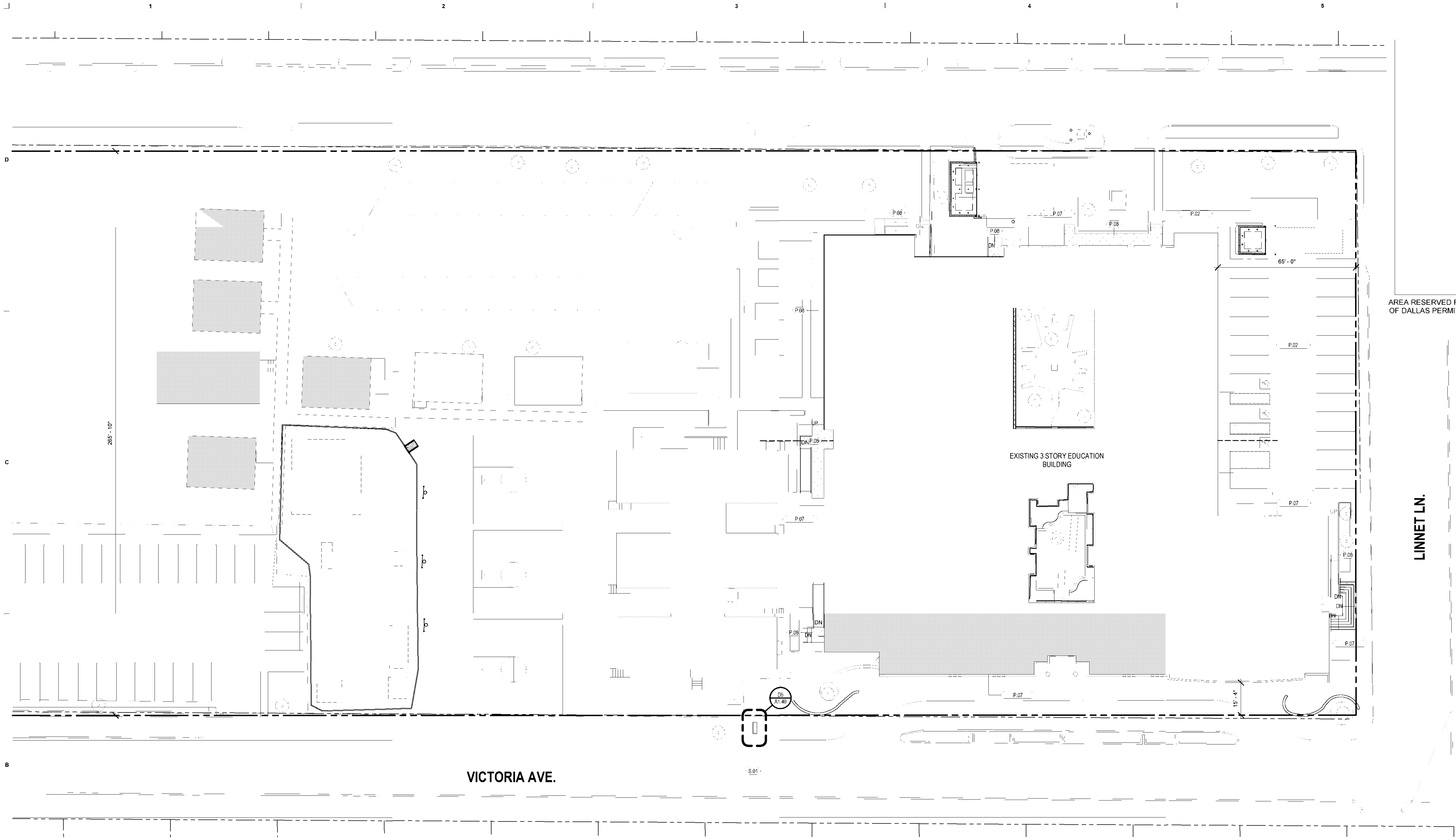
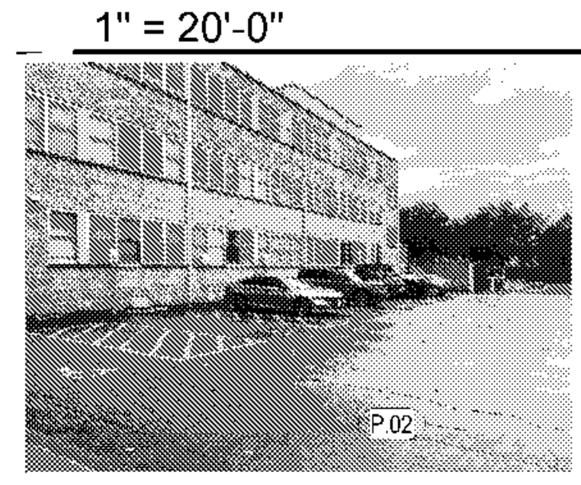
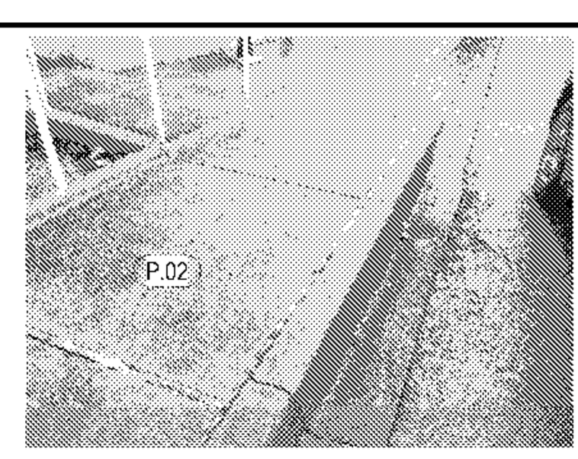
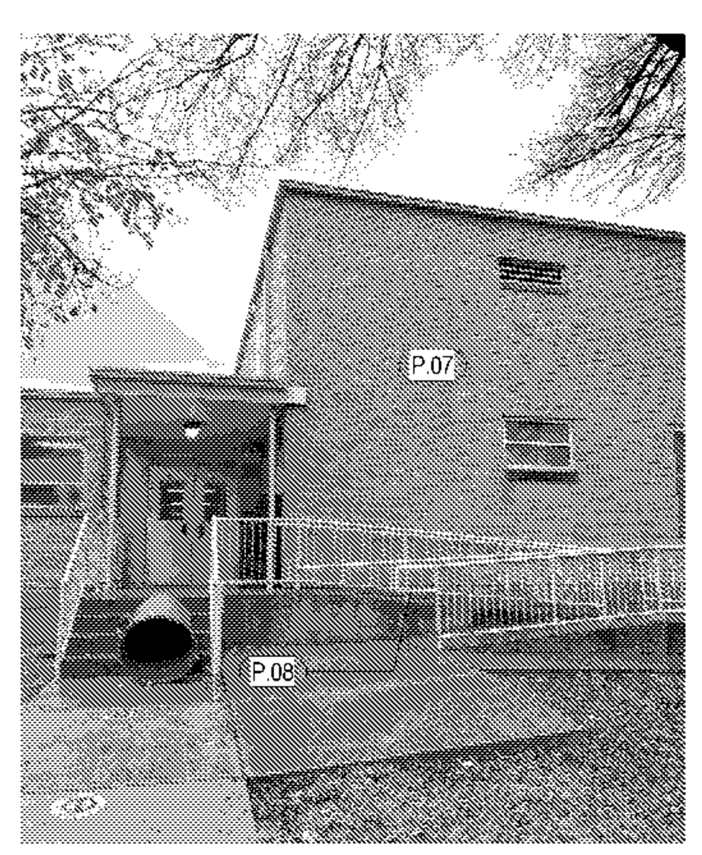


1" = 20'-0"

SITE PLAN | B5







1" = 1'-0"

SITE IMAGES | A3

KEY NOTES

- **P.02** ALTERNATE #2: REMOVE AND REPLACE CONCETE SIDEWALKS.
- **P.07** ALTERNATE #5: POWER WASH EXTERIOR BUILDING FACADES OF MAIN BUILDING.
- **P.08** ALTERNATE #5: PAINTING OF MISCELLANEOUS EXTERIOR METALS, SUCH AS HANDRAILS, CANOPY COLUMNS, DOOR FRAMES, ETC. REF: SPECS
- **S.01** NEW MARQUEE SIGN

SHEET NOTES

1. ARCHITECTURAL SITE PLAN IS FOR REFERENCE ONLY. GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL COORDINTATE THE SITE WORK WITH ALL CONSTRUCTION DOCUMENTS. ANY CONFLICTS BETWEEN THE DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IMMEDIATELY FOR CLARIFICATION.
2. GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL CONFORM TO ALL REQUIREMENTS AS REQUIRED BY THE CITY OF DALLAS AND ALL AUTHORITIES HAVING JURISDICTION.
3. REFERENCE THE ELECTRICAL (MEP SITE) DOCUMENTS FOR ADDITIONAL SITE INFORMATION TO INCLUDE, BUT NOT LIMITED TO THE FOLLOWING:
   A. LOCATIONS AND SIZES FOR SITE LIGHTING AND LIGHTING ELEMENTS B. LOCATIONS FOR TELEPHONE/CABLE/DATA BOXES. C. LOCATIONS AND SIZES FOR PULL BOXES FOR LIGHTING ELEMENTS. D. COORDINATION INFORMATION FOR EXTERIOR BUILDING ILLUMINATION AND UTILITIES.
4. PROTECT ALL EXISTING TREES TO REMAIN DURING CONSTRUCTION
5. GENERAL CONTRACTOR TO IDENTIFY ALL LOCATION FOR RE-PAINTING OF EXTERIOR METALS.
6. GENERAL CONTRACTOR TO IDENTIFY ALL LOCATION FOR EXTERIOR POWERWASHING OF FAÇADE.
7. GENERAL CONTRACTOR TO IDENTIFY ALL LOCATION FOR REPLACEMENT OF CONCETE SIDEWALKS.

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REGISTERED ARCHITECT MATTHEW R. HEATON 20516 STATE OF TEXAS
11 NOVEMBER 2024

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KEY PLAN

N

SHEET TITLE
SITE PLAN

SHEET NUMBER
A1.20

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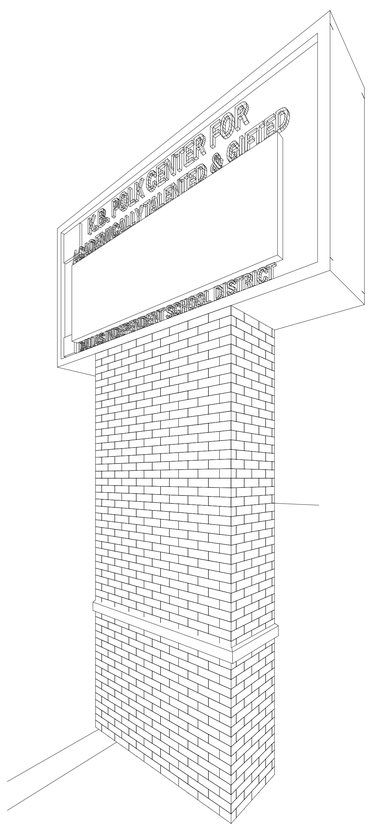
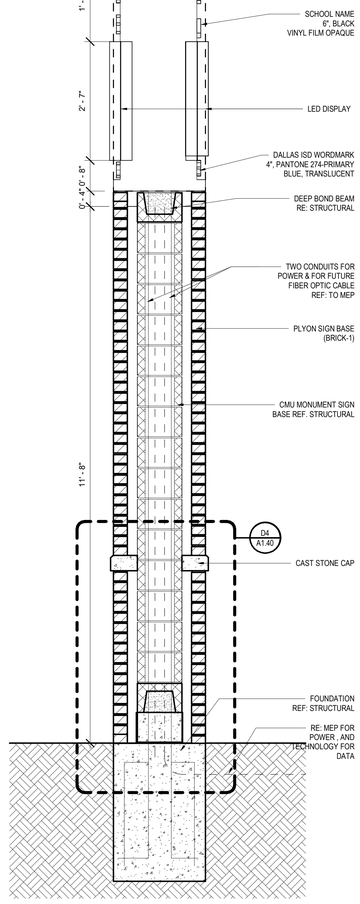
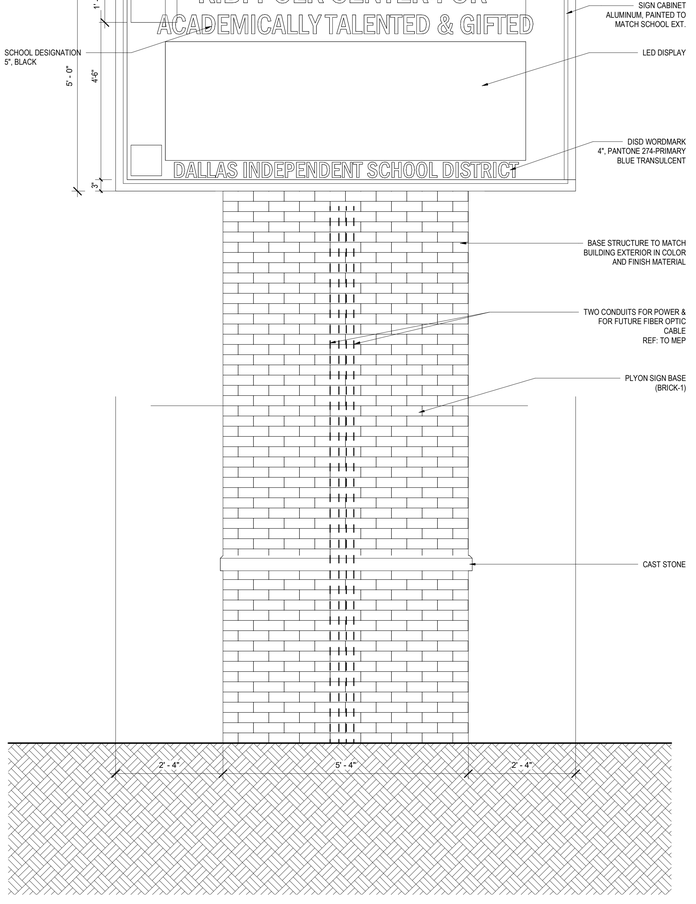


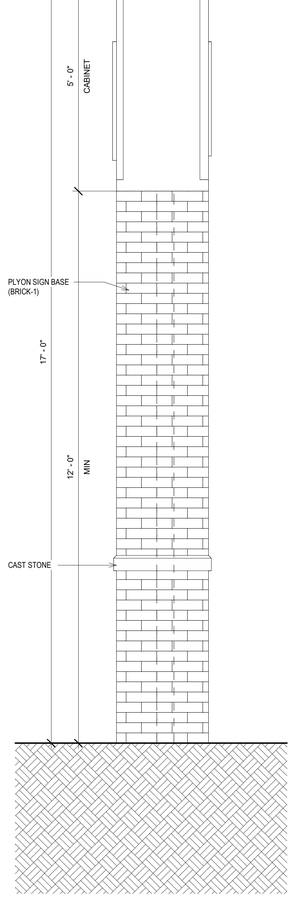
3D MARQUEE SIGN | A1



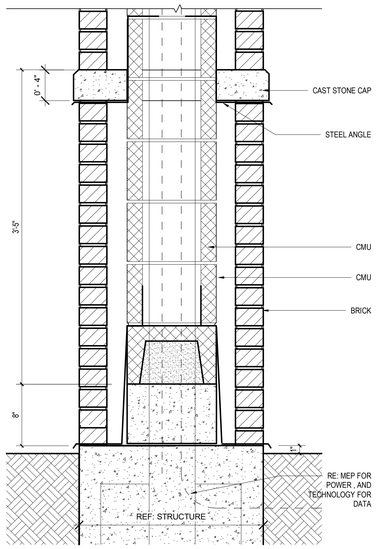
3/4" = 1'-0" PYLON SIGN SECTION | A2



3/4" = 1'-0" PYLON SIGN FRONT/BACK ELEVATION | A4



3/4" = 1'-0" PYLON SIGN LEFT/RIGHT ELEVATION | A5



1 1/2" = 1'-0" PYLON SIGN ENLARGED SECTION | D4

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REGISTERED ARCHITECT
MATTHEW R. MCSHANE
26916
STATE OF TEXAS

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PROJECT NAME

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KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE

SITE DETAILS

SHEET NUMBER

A1.40

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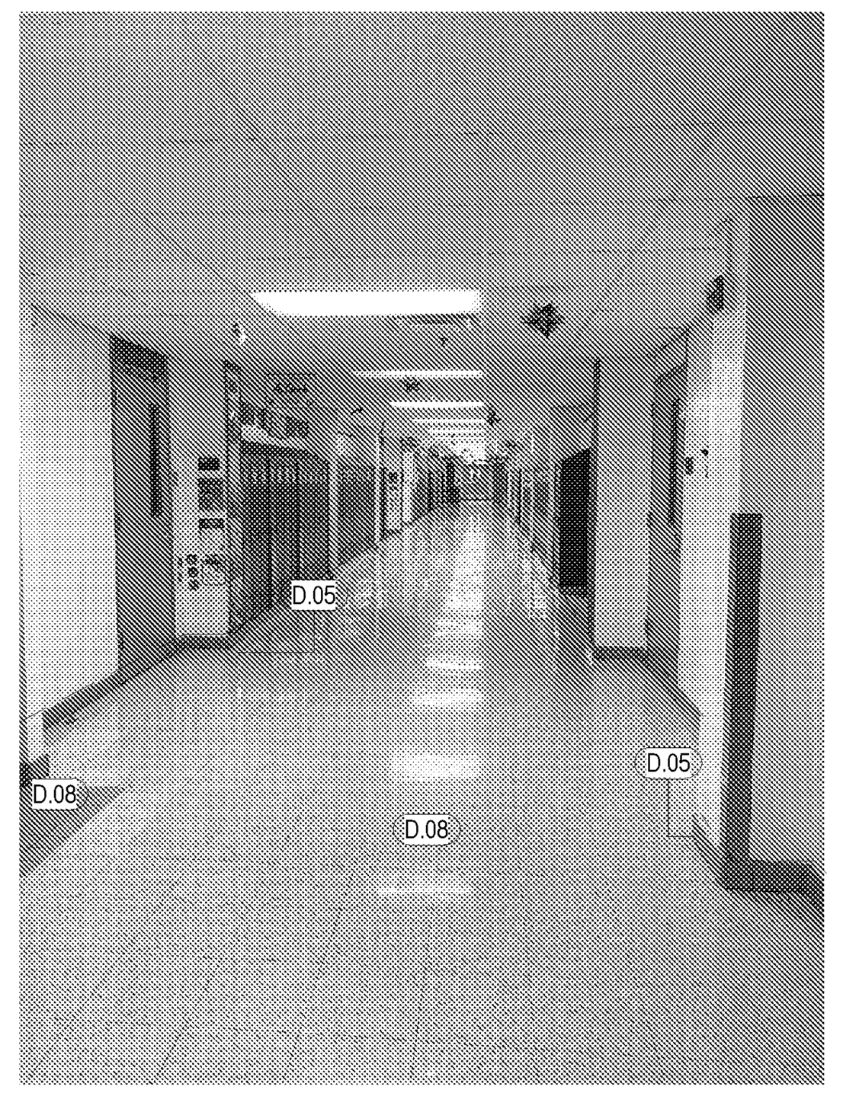
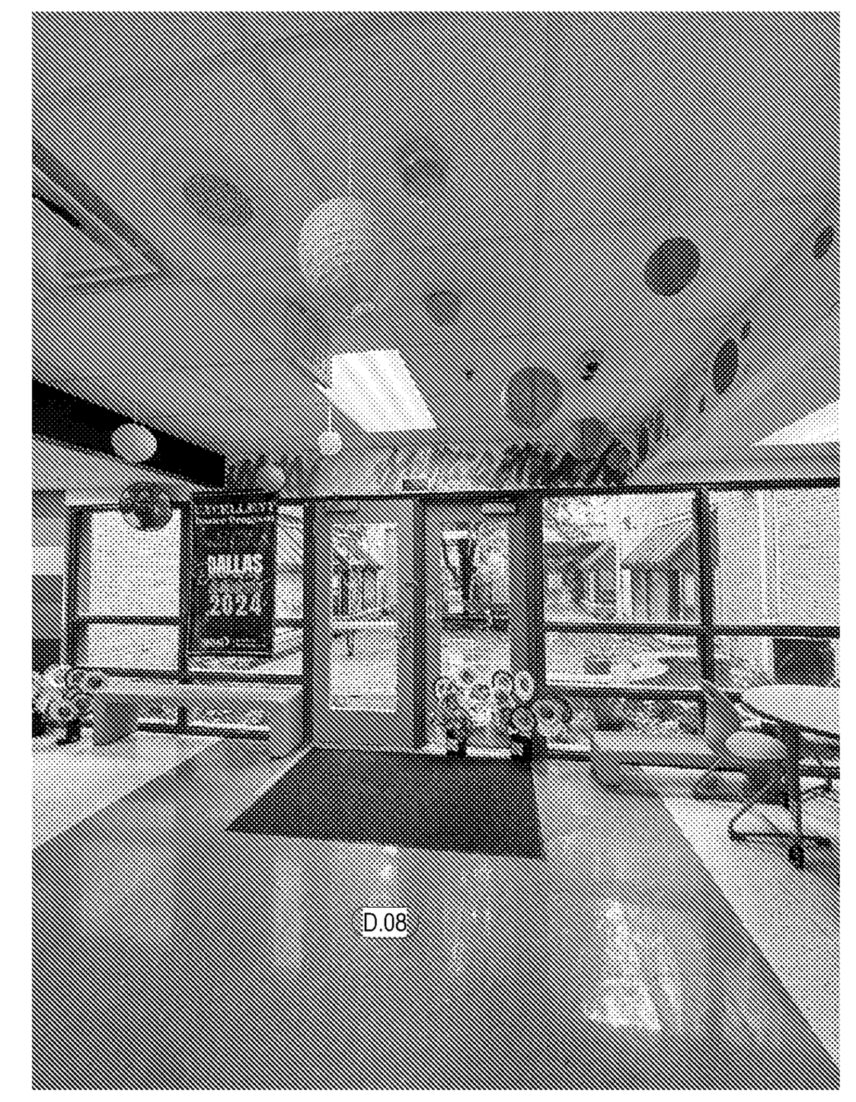
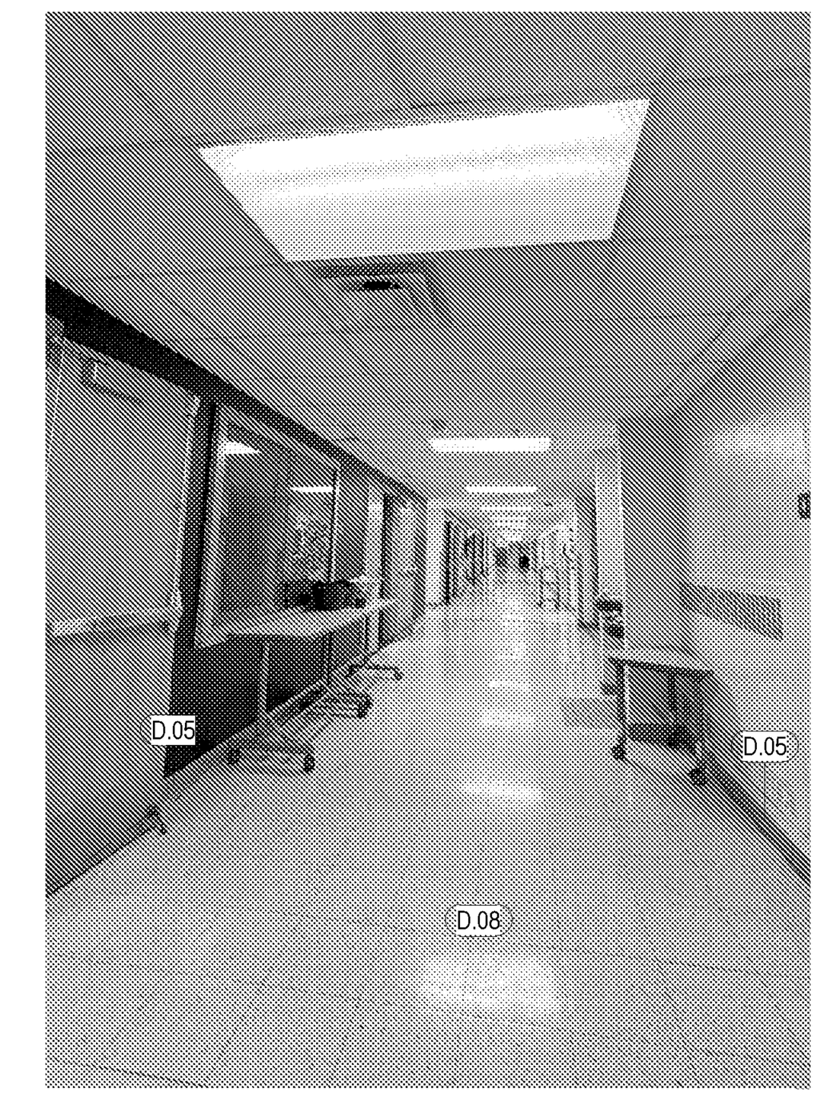
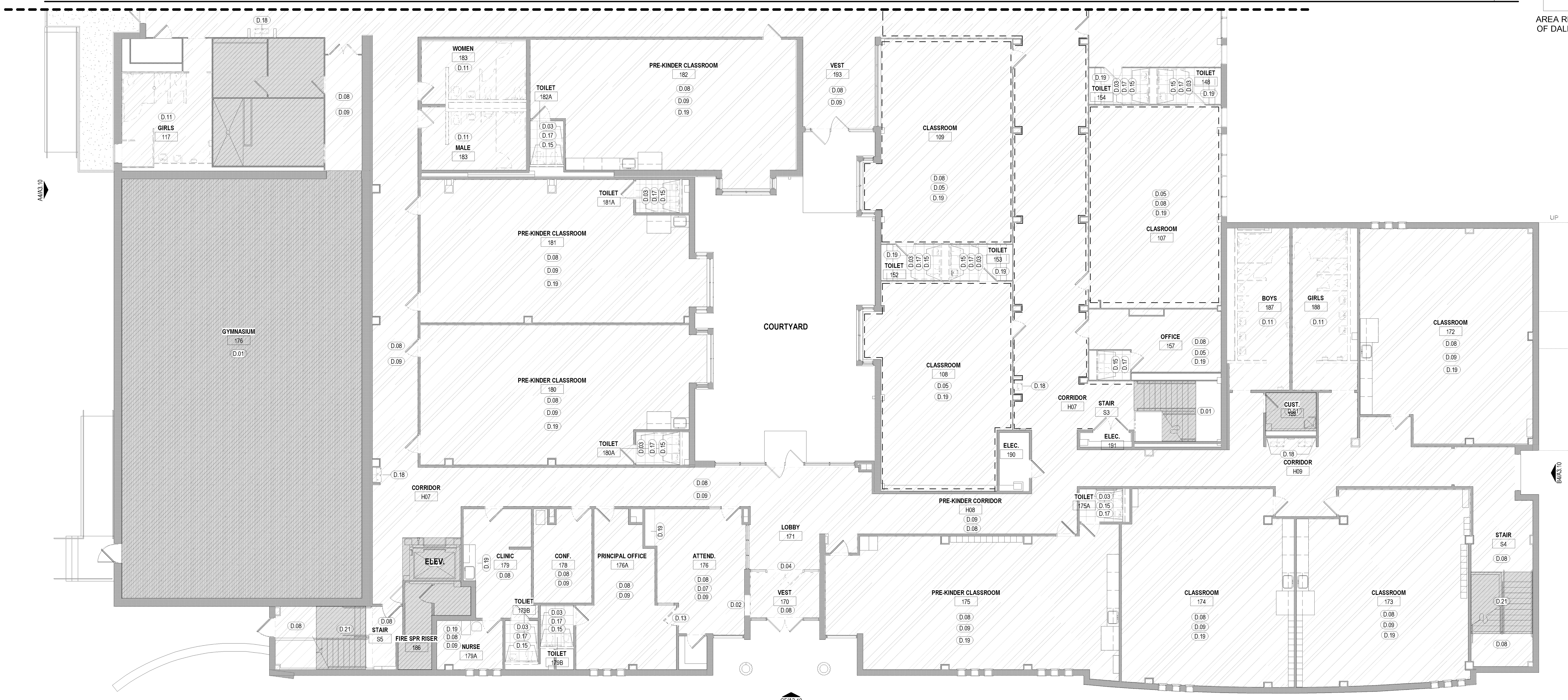






LEVEL 1 DEMO IMAGES - AREA A | D5



1/8" = 1'-0"

LEVEL 1 DEMO PLAN - AREA A | B5

DEMO LEGEND

NOT IN SCOPE

EXISTING FLOORING
FLOORING TO REMAIN AND BE PROTECTED.

AREA OF DEMOLITION WORK
REFER TO KEYNOTES IN EACH SPACE FOR SPECIFIC WORK TO BE COMPLETED.

APPROXIMATE AREA OF CEILING DEMOLITION WORK
REFER TO MEP DRAWING FOR ADDITIONAL INFORMATION.

DEMOLISHED TILE FLOOR BASE

DEMOLITION WORK

#.## KEY NOTES

D.01	NO WORK IN THIS AREA.
D.02	REMOVE GYPSUM BOARD PARTITION IN ITS ENTIRETY. COORDINATE WITH MEP DRAWINGS FOR ADDITIONAL NOTES REGARDING ANY DEVICES LOCATED ON WALL. CONTRACTOR TO PROTECT ANY DEVICES TO REMAIN IN SCOPE OF WORK. PATCH, REPAIR AND PREP FLOOR, CEILING AND REMAINING ADJACENT WALLS TO RECEIVE NEW FINISHES.
D.03	REMOVE EXISITING GRAB BAR. FINISHED TO REMAIN, PATCH AND REPAIR TILE.
D.04	REMOVE ALL EXISTING DOUBLE DOORS. STOREFRONT TO REMAIN. PREP FOR NEW DOORS.
D.05	DEMO EXISTING TILE BASE. CONTRACTOR TO PATCH AND REPAIR AREAS OF WALL DAMAGED BY TILE REMOVAL AND PREP WALL FOR INSTALLATION OF NEW OAINT AND BASE. RE: FINISH PLAN
D.07	REMOVE EXISTING RECEPTION DESK IN ITS ENTIRETY. REFER TO MEP FOR ADDITIONAL NOTES REGARDING EXISTTING POWER AND DATA CABELING. CORRDINATE WITH DISD TECHNOLOGY TEAM PRIOR TO WORK FOR REMOVAL OF EQUIPMENT.
D.08	REMOVE ALL EXISTING FLOORING IN ITS ENTIRETY. PATCH AND PREP SUBFLOOR FOR INSTALLATION OF NEW FINISHES. RE: FINISH PLAN.
D.09	REMOVE EXISTING RBA. PATCH AND PREP WALL SURFACES TO RECEIVE NEW RBA. RE: FINISH PLAN.
D.11	ALTERNATE #4: DEMO RESTROOM IN ITS ENTIRETY.
D.13	REMOVE EXISTING DOOR, FRAME AND EXTENT OF WALL AS SHOWN. PATCH, REPAIR, AND PREP FLOOR, CEILING AND REMAINING ADJACENT WALLS TO RECEIVE NEW FINISHES. RE: FINISH PLAN.
D.15	ALTERNATE #4 : DEMO WET WALL INCUDING ALL WATER FIXTURES LOCATED ON WALL. PREP AREA TO RECEIVE NEW WALL AND FIXTURES. REFER TO FLOOR PLAN & MEP FOR ADDITIONAL NOTES.
D.17	ALTERNATE #4 : FLOORING TO REMAIN AND BE PROTECTED DURING DEMOLITION AND NEW CONSTRUCTION. PATCH AND REPAIR FLOORING AS NEEDED TO MATCH EXISTING FINISHES.
D.18	DEMO EXISTING WATER FOUNTAIN, PREP EXISITNG WALL AS REQUIRED TO RECEIVE NEW WATER FOUNTAIN. REFER TO MEP FOR ADDITIONAL INFORMATION.
D.19	EXISITING MILLWORK TO REMAIN. PROTECT IN ITS ENTIRETY.
D.21	NO WORK ON STAIR TREADS.

SHEET NOTES

1. REMOVE ALL EXISTING CONSTRUCTIONS AND FINISHES NECESSARY FOR THE COMPLETION OF THE WORK AS DEPICTED ON THE DRAWINGS. INCLUDING BUT NOT LIMITED TO, ITEMS SHOWN ON THE PLANS WITH DASHED LINES. NECESSARY DISCONNECTS AND ALTERATIONS TO EXISTING MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INCLUDED. DISPOSITION OF MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. VERIFY WITH OWNER, THE DISPOSITION AND REMOVAL OF ANY COMPONENTS OF SALVAGEABLE VALUE.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING BUILDINGS AND OTHER INSTALLATIONS THAT ARE TO REMAIN INTACT WHILE PERFORMING THE SPECIFIED WORK. PROVIDE AND MAINTAIN FIRE EXTINGUISHERS ON PROJECT SITE DURING CONSTRUCTION.
3. VERIFY EXISTING CONDITIONS AND, IN THE EVENT OF ANY DISCREPANCIES, CONFLICTS OR CONDITIONS OTHER THAN SHOWN, NOTIFY THE ARCHITECT.
4. CONTRACTOR SHALL KEEP THE JOB FREE OF DEBRIS AND MAKE FINAL CLEANUP TO THE SATISFACTION OF THE OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL CONSTRUCTION DEBRIS FROM PROJECT SITE AND SHALL PROVIDE DUMPSTERS ETC. AS REQUIRED. REMOVE ALL DEBRIS ON A DAILY BASIS.
5. EXIT PATHS FOR ADJACENT BUILDINGS MUST REMAIN ACCESSIBLE AT ALL TIMES DURING DEMOLITION.
6. PRIOR TO INTERRUPTING OR OTHERWISE AFFECTING ANY SUCH OPERATING SYSTEM, UTILITY OR SERVICE, CONTRACTOR SHALL CONSULT WITH OWNER'S REPRESENTATIVE TO ESTABLISH A MUTUALLY SATISFACTORY SCHEDULE FOR CUT OVER, CUT OFF DISRUPTION OR OTHER CHANGE IN THE OPERATION OF THE AFFECTED SYSTEM, UTILITY OR SERVICE.
7. PROTECT ALL EXISTING STRUCTURES, SYSTEMS, FINISHES AND GENERAL CONSTRUCTION THAT ARE TO REMAIN THROUGHOUT THE COURSE OF THE WORK TO PREVENT DAMAGE OR LOSS. ANY SUCH DAMAGE CAUSED DURING THE COURSE OF THIS WORK WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE BEFORE THIS WORK IS CONCLUDED.
8. CONTAIN DUST AND DEBRIS WITHIN THE DEMOLITION AREA.
9. ASBESTOS CONTAINING MATERIALS SHALL BE REMOVED PRIOR TO RENOVATION/DEMOLITION ACTIVITIES THAT MAY DISTURB IT. THE REMOVAL MUST BE PERFORMED UNDER A 10 DAY NOTIFICATION TO TDSHS AND BY TDSHS LICENSED ASBESTOS CONTRACTOR.
10. ALL SIGNAGE WITHIN THE LIMIT OF DISTURBANCE SHALL BE REMOVED AND RETURNED TO THE OWNER. VERIFY EXTENTS WITH THE OWNER PRIOR TO REMOVAL OF SIGNAGE.
11. OPERATING SYSTEMS, UTILITIES AND SERVICES SERVING THE EXISTING SITE SHALL BE MAINTAINED IN OPERATION TO SERVE THE NEEDS OF THE SITE AND ADJACENT BUILDINGS NOT INVOLVED IN THE WORK UNDER THIS CONTRACT AT ALL TIMES. SUCH OPERATING SYSTEMS, UTILITIES AND SERVICES INCLUDE BUT ARE NOT LIMITED TO WATER, ELECTRICITY, HVAC, SANITARY, SEWER, FIRE ALARM, TELEPHONE AND SECURITY. IN THE OCCASION SERVICE NEEDS TO BE TEMPORARILY DISCONNECTED TO PERFORM THE WORK, OBTAIN THE OWNER APPROVAL AT LEAST 14 BUSINESS DAYS IN ADVANCE. REFER TO SPECIFICATION 01 50 00 TEMPORARY FACILITIES AND CONTROLS.
12. CONTRACTOR IS TO VERIFY UTILITY LINE LOCATIONS AND MAINTAIN THOSE THAT SERVICE OTHER PARTS OF THE BUILDING THAT ARE NOT AFFECTED BY THE DEMOLITION.
13. THIS DEMOLITION PLAN SHOWS GRAPHIC AND WRITTEN INFORMATION CONCERNING THE EXISTING SPACE. THIS IS INCLUDED AS "INFORMATION ONLY" REPRESENTING AVAILABLE RECORD INFORMATION OF THE ORIGINAL LEASE DRAWINGS PLUS FIELD NOTATIONS. SOME MODIFICATIONS MAY HAVE BEEN MADE AND NOT SHOWN. THIS INFORMATION IS FOR THE CONTRACTOR'S USE AS HE SEES FIT. NEITHER THE OWNER NOR THE ARCHITECT ACCEPT ANY RESPONSIBILITY FOR THE ACCURACY OF THIS INFORMATION OR THE CONTRACTOR'S INTERPRETATION OF IT. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DETERMINE THE SCOPE OF WORK REQUIRED. THE CONTRACTOR SHALL EXAMINE THE EXISTING BUILDING AND WORK SHOWN BY ALL CONTRACT DOCUMENTS TO DETERMINE THE SCOPE OF DEMOLITION REQUIRED WHETHER SPECIFICALLY SHOWN OR NOT.
14. VISIT THE SITE TO VERIFY EXISTING CONDITIONS. CONTRACTOR SHALL MAKE REQUIRED ADJUSTMENTS TO SYSTEM COMPONENTS AS NECESSITATED BY ACTUAL FIELD CONDITIONS AT NO ADDITIONAL COST TO OWNER OR ARCHITECT. REPORT ANY DISCREPANCIES BETWEEN THE DRAWINGS AND ACTUAL FIELD CONDITIONS TO THE ARCHITECT BEFORE CONSTRUCTION BEGINS.
15. UNLESS INDICATED OTHERWISE, ALL MATERIAL FURNISHED AND INCORPORATED INTO THE WORK SHALL BE NEW, UNUSED AND OF QUALITY STANDARD TO THE INDUSTRY FOR FIRST CLASS WORK OF SIMILAR NATURE AND CHARACTER. INSTALL ALL MATERIALS TO THE MANUFACTURER'S RECOMMENDATIONS AND BEST STANDARD OF THE TRADES INVOLVED.
16. PLUMBING SHOWN TO BE REMOVED SHALL BE DEMOLISHED BACK TO THE CONNECTION WITH BUILDING RISERS. FLOOR AND WALL PENETRATIONS SHALL BE PATCHED OR FIRE SAFED TO RESTORE THE EXISTING FIRE RATING.
17. DEMOLITION FOR THE FLOOR AREAS SHALL ENCOMPASS THE SPACE FROM THE TOP OF THE CONCRETE FLOOR TO THE UNDERSIDE OF THE EXISTING INTERSTITIAL STRUCTURE ABOVE UNLESS NOTED OTHERWISE.
18. MURALS HAVE BEEN IDENTIFIED TO THE BEST OF OUR KNOWLEDGE ON FINISH PLAN. CONTRACTOR TO IDENTIFY ALL MURALS ON SITE. EXTENTS OF ALL NEW PAINT TO EXLUDE EXISTING MURALS.

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These drawings have been prepared as one coordinated set of drawings and are complimentary. What is required by one drawing is required by all of the drawings, even if a detail or component part is not identified on every sheet. Any user's reliance on a single or select few sheet(s) of the drawings without consideration for the information included in the entire set of drawings will be at the user's sole risk and shall not form the basis for a request for additional compensation or time.

REGISTERED ARCHITECT MATTHEW R. HEATON 26916 STATE OF TEXAS
11 NOVEMBER 2024

△	DATE	ISSUE
A	11 NOV 2024	100% Construction Documents

PROJECT NAME
ORG 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS
6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN
B
A

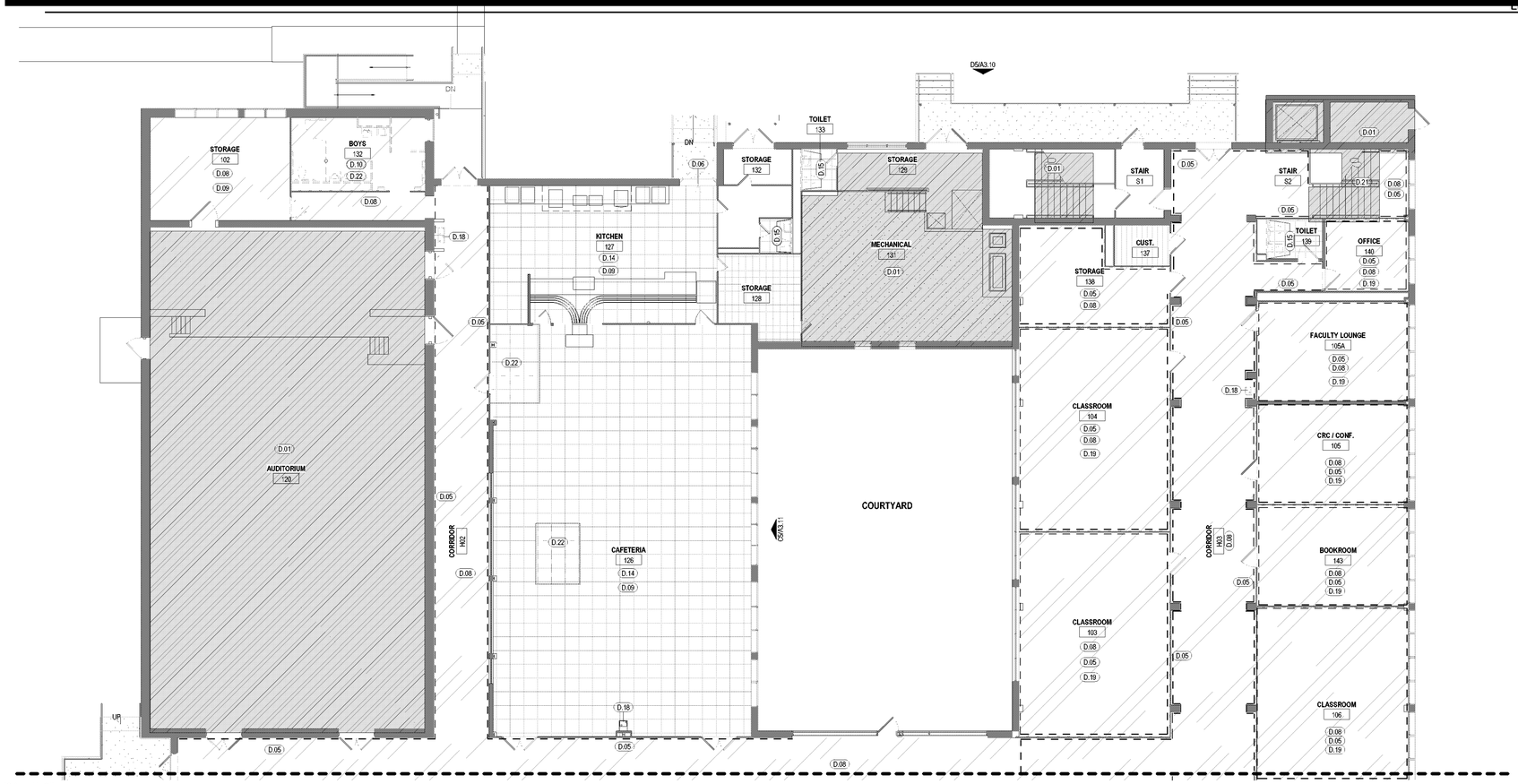
SHEET TITLE
FIRST FLOOR DEMOLITION PLAN - AREA A

SHEET NUMBER
A2.11

11/20/2024 11:52:58 AM Autodesk Docs://2023351 DISD Dade, McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt

LEVEL 1 DEMO IMAGES - AREA B | 1

AREA RESERVED FOR CITY OF DALLAS PERMIT STAMP



1/8" = 1'-0"

LEVEL 1 DEMO PLAN - AREA B | B5

DEMO LEGEND

- NOT IN SCOPE
- EXISTING FLOORING — FLOORING TO REMAIN AND BE PROTECTED.
- AREA OF DEMOLITION WORK — REFER TO KEYNOTES IN EACH SPACE FOR SPECIFIC WORK TO BE COMPLETED.
- APPROXIMATE AREA OF CEILING DEMOLITION WORK — REFER TO MEP DRAWING FOR ADDITIONAL INFORMATION.
- DEMOLISHED TILE FLOOR BASE
- DEMOLITION WORK

(##) KEY NOTES

D.01	NO WORK IN THIS AREA.
D.05	DEMO EXISTING TILE BASE. CONTRACTOR TO PATCH AND REPAIR AREAS OF WALL DAMAGED BY TILE REMOVAL AND PREP WALL FOR INSTALLATION OF NEW OAINT AND BASE. RE: FINISH PLAN
D.06	REMOVE OF EXISTING DOOR IN ITS ENTIRETY AND PORTION OF EXISTING WALL AS SHOWN. PATCH, REPAIR, AND PREP FLOOR, CEILING AND REMAINING ADJACENT WALLS TO RECEIVE NEW FINISHES. RE: FLOOR PLAN.
D.08	REMOVE ALL EXISTING FLOORING IN ITS ENTIRETY. PATCH AND PREP SUBFLOOR FOR INSTALLATION OF NEW FINISHES. RE: FINISH PLAN.
D.09	REMOVE EXISTING RBA. PATCH AND PREP WALL SURFACES TO RECEIVE NEW RBA. RE: FINISH PLAN.
D.10	DEMO RESTROOM IN ITS ENTIRETY.
D.12	REMOVE EXISTING DOUBLE DOORS AND HOLLOW METAL FRAME IN ITS ENTIRETY. PATCH, REPAIR AND PREP FLOOR, CEILING AND REMAINING ADJACENT AND NEW WALLS TO RECEIVE NEW FINISHES.
D.14	ALL EXISTING FLOORING TO REMAIN. PROTECT DURING CONSTRUCTION.
D.15	ALTERNATE #4 : DEMO WET WALL INCUDING ALL WATER FIXTURES LOCATED ON WALL. PREP AREA TO RECEIVE NEW WALL AND FIXTURES. REFER TO FLOOR PLAN & MEP FOR ADDITIONAL NOTES.
D.16	ALL EXISTING CEILING GRID AND TILE TO BE REMOVED IN ITS ENTIRETY. ALL EXISTING LIGHT FIXTURES TO BE REMOVED.
D.18	DEMO EXISTING WATER FOUNTAIN. PREP EXISTING WALL AS REQUIRED TO RECEIVE NEW WATER FOUNTAIN. REFER TO MEP FOR ADDITIONAL INFORMATION.
D.19	EXISITING MILLWORK TO REMAIN. PROTECT IN ITS ENTIRETY.
D.21	NO WORK ON STAIR TREADS.
D.22	DEMO CEILING. ALL EXISTING LIGHTING FIXTURES TO BE REMOVED.

[redacted]

1. REMOVE ALL EXISTING CONSTRUCTIONS AND FINISHES NECESSARY FOR THE COMPLETION OF THE WORK AS DEPICTED ON THE DRAWINGS, INCLUDING BUT NOT LIMITED TO, ITEMS SHOWN ON THE PLANS WITH DASHED LINES. NECESSARY DISCONNECTS AND ALTERATIONS TO EXISTING MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INCLUDED. DISPOSITION OF MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. VERIFY WITH OWNER, THE DISPOSITION AND REMOVAL OF ANY COMPONENTS OF SALVAGEABLE VALUE.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING BUILDINGS AND OTHER INSTALLATIONS THAT ARE TO REMAIN INTACT WHILE PERFORMING THE SPECIFIED WORK. PROVIDE AND MAINTAIN FIRE EXTINGUISHERS ON PROJECT SITE DURING CONSTRUCTION.
3. VERIFY EXISTING CONDITIONS AND, IN THE EVENT OF ANY DISCREPANCIES, CONFLICTS OR CONDITIONS OTHER THAN SHOWN, NOTIFY THE ARCHITECT.
4. CONTRACTOR SHALL KEEP THE JOB FREE OF DEBRIS AND MAKE FINAL CLEANUP TO THE SATISFACTION OF THE OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL CONSTRUCTION DEBRIS FROM PROJECT SITE AND SHALL PROVIDE DUMPSTERS ETC. AS REQUIRED. REMOVE ALL DEBRIS ON A DAILY BASIS.
5. EXIT PATHS FOR ADJACENT BUILDINGS MUST REMAIN ACCESSIBLE AT ALL TIMES DURING DEMOLITION.
6. PRIOR TO INTERRUPTING OR OTHERWISE AFFECTING ANY SUCH OPERATING SYSTEM, UTILITY OR SERVICE, CONTRACTOR SHALL CONSULT WITH OWNER'S REPRESENTATIVE TO ESTABLISH A MUTUALLY SATISFACTORY SCHEDULE FOR CUT OVER, CUT OFF DISRUPTION OR OTHER CHANGE IN THE OPERATION OF THE AFFECTED SYSTEM, UTILITY OR SERVICE.
7. PROTECT ALL EXISTING STRUCTURES, SYSTEMS, FINISHES AND GENERAL CONSTRUCTION THAT ARE TO REMAIN THROUGHOUT THE COURSE OF THE WORK TO PREVENT DAMAGE OR LOSS. ANY SUCH DAMAGE CAUSED DURING THE COURSE OF THIS WORK WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE BEFORE THIS WORK IS CONCLUDED.
8. CONTAIN DUST AND DEBRIS WITHIN THE DEMOLITION AREA.
9. ASBESTOS CONTAINING MATERIALS SHALL BE REMOVED PRIOR TO RENOVATION/DEMOLITION ACTIVITIES THAT MAY DISTURB IT. THE REMOVAL MUST BE PERFORMED UNDER A 10 DAY NOTIFICATION TO TDSHS AND BY TDSHS LICENSED ASBESTOS CONTRACTOR.
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REGISTERED ARCHITECT — MATTHEW W. MESSINA — 29915 — STATE OF TEXAS

11 NOVEMBER 2024

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A	11 NOV 2024	100% Construction Documents

PROJECT NAME

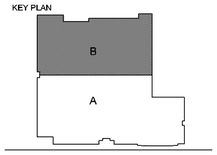
ORG 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS

6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN



SHEET TITLE

FIRST FLOOR DEMOLITION PLAN - AREA B

SHEET NUMBER

A2.12

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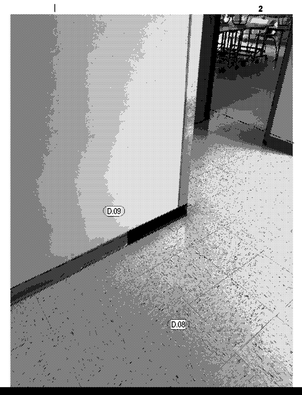

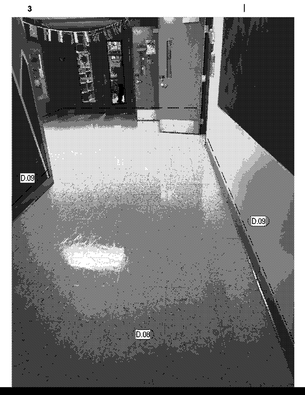

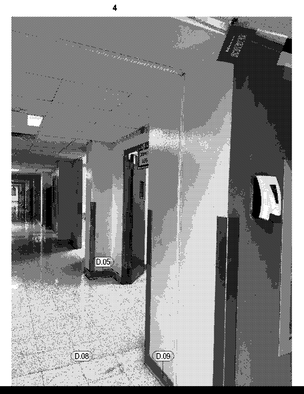

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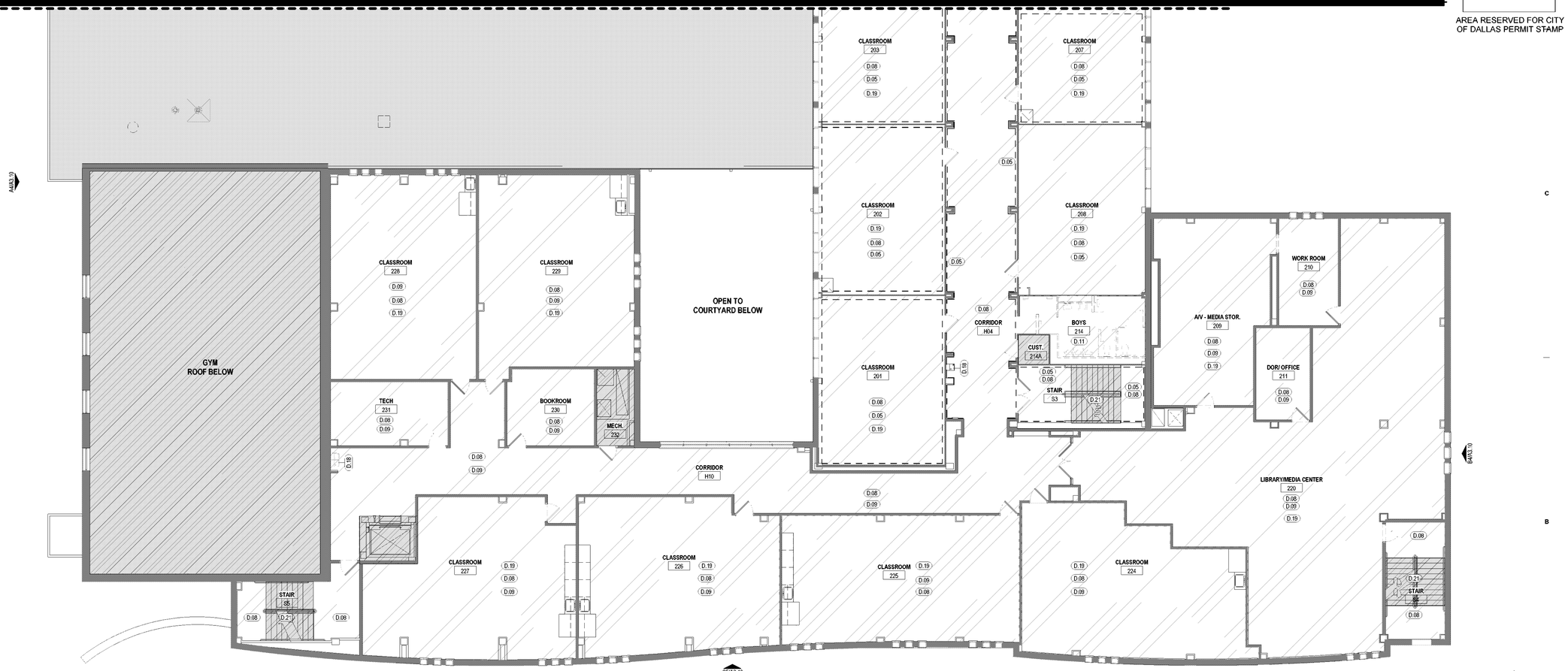

1/8" = 1'-0"

LEVEL 2 DEMO PLAN - AREA A | B5

DEMO LEGEND

- NOT IN SCOPE
- EXISTING FLOORING — FLOORING TO REMAIN AND BE PROTECTED.
- AREA OF DEMOLITION WORK — REFER TO KEYNOTES IN EACH SPACE FOR SPECIFIC WORK TO BE COMPLETED.
- APPROXIMATE AREA OF CEILING DEMOLITION WORK — REFER TO MEP DRAWING FOR ADDITIONAL INFORMATION.
- DEMOLISHED TILE FLOOR BASE
- DEMOLITION WORK

(##) KEY NOTES

D.05	DEMO EXISTING TILE BASE. CONTRACTOR TO PATCH AND REPAIR AREAS OF WALL DAMAGED BY TILE REMOVAL AND PREP WALL FOR INSTALLATION OF NEW OAINT AND BASE. RE: FINISH PLAN
D.08	REMOVE ALL EXISTING FLOORING IN ITS ENTIRETY. PATCH AND PREP SUBFLOOR FOR INSTALLATION OF NEW FINISHES. RE: FINISH PLAN.
D.09	REMOVE EXISTING RBA. PATCH AND PREP WALL SURFACES TO RECEIVE NEW RBA. RE: FINISH PLAN.
D.11	ALTERNATE #4: DEMO RESTROOM IN ITS ENTIRETY.
D.18	DEMO EXISTING WATER FOUNTAIN, PREP EXISITNG WALL AS REQUIRED TO RECEIVE NEW WATER FOUNTAIN. REFER TO MEP FOR ADDITIONAL INFORMATION.
D.19	EXISTING MILLWORK TO REMAIN. PROTECT IN ITS ENTIRETY.
D.21	NO WORK ON STAIR TREADS.

1. REMOVE ALL EXISTING CONSTRUCTIONS AND FINISHES NECESSARY FOR THE COMPLETION OF THE WORK AS DEPICTED ON THE DRAWINGS, INCLUDING BUT NOT LIMITED TO, ITEMS SHOWN ON THE PLANS WITH DASHED LINES. NECESSARY DISCONNECTS AND ALTERATIONS TO EXISTING MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INCLUDED. DISPOSITION OF MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. VERIFY WITH OWNER, THE DISPOSITION AND REMOVAL OF ANY COMPONENTS OF SALVAGEABLE VALUE.
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3. VERIFY EXISTING CONDITIONS AND, IN THE EVENT OF ANY DISCREPANCIES, CONFLICTS OR CONDITIONS OTHER THAN SHOWN, NOTIFY THE ARCHITECT.
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16. PLUMBING SHOWN TO BE REMOVED SHALL BE DEMOLISHED BACK TO THE CONNECTION WITH BUILDING RISERS. FLOOR AND WALL PENETRATIONS SHALL BE PATCHED OR FIRE SAFED TO RESTORE THE EXISTING FIRE RATING.
17. DEMOLITION FOR THE FLOOR AREAS SHALL ENCOMPASS THE SPACE FROM THE TOP OF THE CONCRETE FLOOR TO THE UNDERSIDE OF THE EXISTING INTERSTITIAL STRUCTURE ABOVE UNLESS NOTED OTHERWISE.
18. MURALS HAVE BEEN IDENTIFIED TO THE BEST OF OUR KNOWLEDGE ON FINISH PLAN. CONTRACTOR TO IDENTIFY ALL MURALS ON SITE. EXTENTS OF ALL NEW PAINT TO EVLUDE EXISTING MURALS.

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REGISTERED ARCHITECT — MATTHEW W. KIRKSEY — 20915 — STATE OF TEXAS

11 NOVEMBER 2024

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PROJECT NAME

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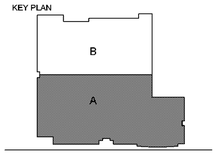
KIRKSEY PROJECT NO. 2023351

KEY PLAN



SHEET TITLE

SECOND FLOOR DEMOLITION PLAN - AREA A

SHEET NUMBER

A2.13

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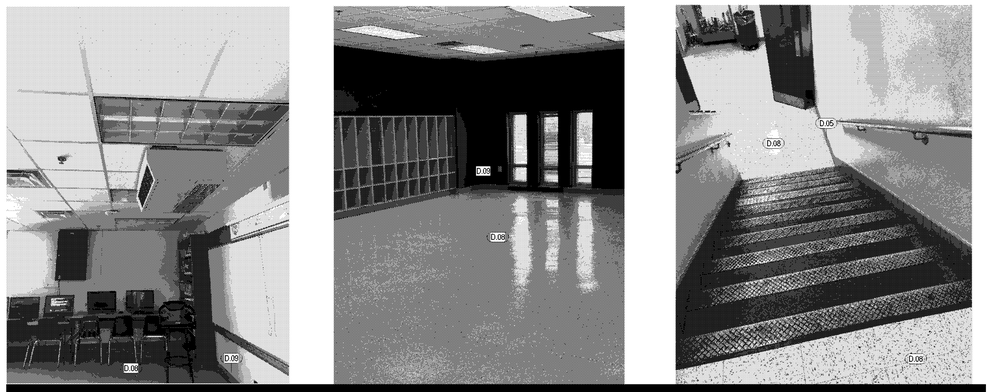
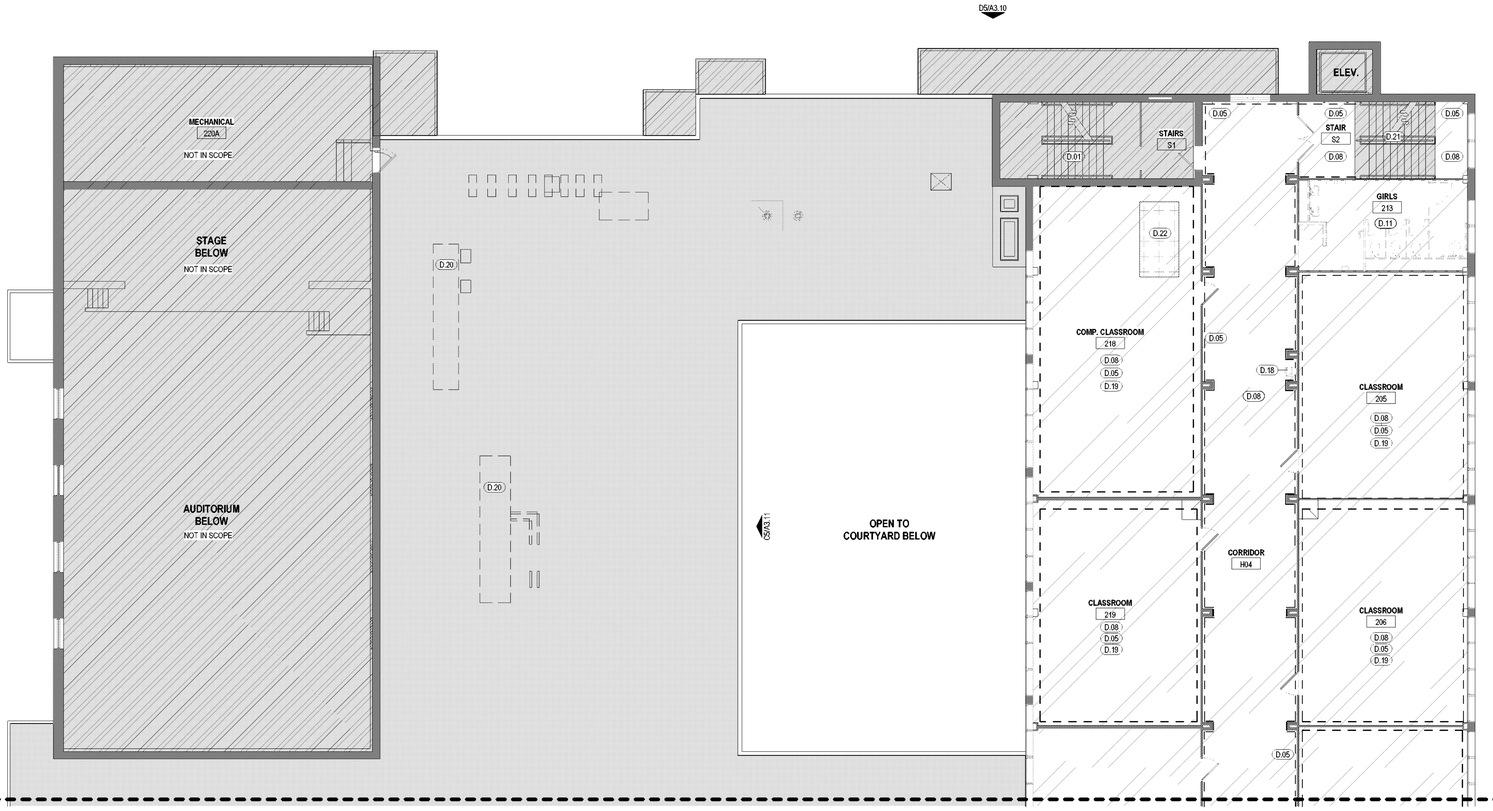


1 AREA RESERVED FOR CITY OF DALLAS PERMIT STAMP



1/8" = 1'-0"

LEVEL 2 DEMO PLAN - AREA B | B5

DEMO LEGEND

- NOT IN SCOPE
- EXISTING FLOORING — FLOORING TO REMAIN AND BE PROTECTED
- AREA OF DEMOLITION WORK — REFER TO KEYNOTES IN EACH SPACE FOR SPECIFIC WORK TO BE COMPLETED.
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- DEMOLITION WORK

(##) KEY NOTES

D.01 NO WORK IN THIS AREA.
D.05 DEMO EXISTING TILE BASE. CONTRACTOR TO PATCH AND REPAIR AREAS OF WALL DAMAGED BY TILE REMOVAL AND PREP WALL FOR INSTALLATION OF NEW OAINT AND BASE. RE: FINISH PLAN
D.08 REMOVE ALL EXISTING FLOORING IN ITS ENTIRETY. PATCH AND PREP SUBFLOOR FOR INSTALLATION OF NEW FINISHES. RE: FINISH PLAN.
D.09 REMOVE EXISTING RBA. PATCH AND PREP WALL SURFACES TO RECEIVE NEW RBA. RE: FINISH PLAN.
D.11 ALTERNATE #4: DEMO RESTROOM IN ITS ENTIRETY.
D.18 DEMO EXISTING WATER FOUNTAIN, PREP EXISITNG WALL AS REQUIRED TO RECEIVE NEW WATER FOUNTAIN. REFER TO MEP FOR ADDITIONAL INFORMATION.
D.19 EXISTING MILLWORK TO REMAIN. PROTECT IN ITS ENTIRETY.
D.20 DEMO EXISTING RTU UNITS. RE: SHEET RD1.00 FOR MORE INFORMATION
D.21 NO WORK ON STAIR TREADS.
D.22 DEMO CEILING. ALL EXISTING LIGHTING FIXTURES TO BE REMOVED.

1. REMOVE ALL EXISTING CONSTRUCTIONS AND FINISHES NECESSARY FOR THE COMPLETION OF THE WORK AS DEPICTED ON THE DRAWINGS. INCLUDING BUT NOT LIMITED TO, ITEMS SHOWN ON THE PLANS WITH DASHED LINES. NECESSARY DISCONNECTS AND ALTERATIONS TO EXISTING MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INCLUDED. DISPOSITION OF MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. VERIFY WITH OWNER, THE DISPOSITION AND REMOVAL OF ANY COMPONENTS OF SALVAGEABLE VALUE.
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3. VERIFY EXISTING CONDITIONS AND, IN THE EVENT OF ANY DISCREPANCIES, CONFLICTS OR CONDITIONS OTHER THAN SHOWN, NOTIFY THE ARCHITECT.
4. CONTRACTOR SHALL KEEP THE JOB FREE OF DEBRIS AND MAKE FINAL CLEANUP TO THE SATISFACTION OF THE OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL CONSTRUCTION DEBRIS FROM PROJECT SITE AND SHALL PROVIDE DUMPSTERS ETC. AS REQUIRED. REMOVE ALL DEBRIS ON A DAILY BASIS.
5. EXIT PATHS FOR ADJACENT BUILDINGS MUST REMAIN ACCESSIBLE AT ALL TIMES DURING DEMOLITION.
6. PRIOR TO INTERRUPTING OR OTHERWISE AFFECTING ANY SUCH OPERATING SYSTEM, UTILITY OR SERVICE, CONTRACTOR SHALL CONSULT WITH OWNER'S REPRESENTATIVE TO ESTABLISH A MUTUALLY SATISFACTORY SCHEDULE FOR CUT OVER, CUT OFF DISRUPTION OR OTHER CHANGE IN THE OPERATION OF THE AFFECTED SYSTEM, UTILITY OR SERVICE.
7. PROTECT ALL EXISTING STRUCTURES, SYSTEMS, FINISHES AND GENERAL CONSTRUCTION THAT ARE TO REMAIN THROUGHOUT THE COURSE OF THE WORK TO PREVENT DAMAGE OR LOSS. ANY SUCH DAMAGE CAUSED DURING THE COURSE OF THIS WORK WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE BEFORE THIS WORK IS CONCLUDED.
8. CONTAIN DUST AND DEBRIS WITHIN THE DEMOLITION AREA.
9. ASBESTOS CONTAINING MATERIALS SHALL BE REMOVED PRIOR TO RENOVATION/DEMOLITION ACTIVITIES THAT MAY DISTURB IT. THE REMOVAL MUST BE PERFORMED UNDER A 10 DAY NOTIFICATION TO TDSHS AND BY TDSHS LICENSED ASBESTOS CONTRACTOR.
10. ALL SIGNAGE WITHIN THE LIMIT OF DISTURBANCE SHALL BE REMOVED AND RETURNED TO THE OWNER. VERIFY EXTENTS WITH THE OWNER PRIOR TO REMOVAL OF SIGNAGE.
11. OPERATING SYSTEMS, UTILITIES AND SERVICES SERVING THE EXISTING SITE SHALL BE MAINTAINED IN OPERATION TO SERVE THE NEEDS OF THE SITE AND ADJACENT BUILDINGS NOT INVOLVED IN THE WORK UNDER THIS CONTRACT AT ALL TIMES. SUCH OPERATING SYSTEMS, UTILITIES AND SERVICES INCLUDE BUT ARE NOT LIMITED TO WATER, ELECTRICITY, HVAC, SANITARY, SEWER, FIRE ALARM, TELEPHONE AND SECURITY. IN THE OCCASION SERVICE NEEDS TO BE TEMPORARILY DISCONNECTED TO PERFORM THE WORK, OBTAIN THE OWNER APPROVAL AT LEAST 14 BUSINESS DAYS IN ADVANCE. REFER TO SPECIFICATION 01 50 00 TEMPORARY FACILITIES AND CONTROLS.
12. CONTRACTOR IS TO VERIFY UTILITY LINE LOCATIONS AND MAINTAIN THOSE THAT SERVICE OTHER PARTS OF THE BUILDING THAT ARE NOT AFFECTED BY THE DEMOLITION.
13. THIS DEMOLITION PLAN SHOWS GRAPHIC AND WRITTEN INFORMATION CONCERNING THE EXISTING SPACE. THIS IS INCLUDED AS "INFORMATION ONLY" REPRESENTING AVAILABLE RECORD INFORMATION OF THE ORIGINAL LEASE DRAWINGS PLUS FIELD NOTATIONS. SOME MODIFICATIONS MAY HAVE BEEN MADE AND NOT SHOWN. THIS INFORMATION IS FOR THE CONTRACTOR'S USE AS HE SEES FIT. NEITHER THE OWNER NOR THE ARCHITECT ACCEPT ANY RESPONSIBILITY FOR THE ACCURACY OF THIS INFORMATION OR THE CONTRACTOR'S INTERPRETATION OF IT. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND DETERMINE THE SCOPE OF WORK REQUIRED. THE CONTRACTOR SHALL EXAMINE THE EXISTING BUILDING AND WORK SHOWN BY ALL CONTRACT DOCUMENTS TO DETERMINE THE SCOPE OF DEMOLITION REQUIRED WHETHER SPECIFICALLY SHOWN OR NOT.
14. VISIT THE SITE TO VERIFY EXISTING CONDITIONS. CONTRACTOR SHALL MAKE REQUIRED ADJUSTMENTS TO SYSTEM COMPONENTS AS NECESSITATED BY ACTUAL FIELD CONDITIONS AT NO ADDITIONAL COST TO OWNER OR ARCHITECT. REPORT ANY DISCREPANCIES BETWEEN THE DRAWINGS AND ACTUAL FIELD CONDITIONS TO THE ARCHITECT BEFORE CONSTRUCTION BEGINS.
15. UNLESS INDICATED OTHERWISE, ALL MATERIAL FURNISHED AND INCORPORATED INTO THE WORK SHALL BE NEW, UNUSED AND OF QUALITY STANDARD TO THE INDUSTRY FOR FIRST CLASS WORK OF SIMILAR NATURE AND CHARACTER. INSTALL ALL MATERIALS TO THE MANUFACTURER'S RECOMMENDATIONS AND BEST STANDARD OF THE TRADES INVOLVED.
16. PLUMBING SHOWN TO BE REMOVED SHALL BE DEMOLISHED BACK TO THE CONNECTION WITH BUILDING RISERS, FLOOR AND WALL PENETRATIONS SHALL BE PATCHED OR FIRE SAFED TO RESTORE THE EXISTING FIRE RATING.
17. DEMOLITION FOR THE FLOOR AREAS SHALL ENCOMPASS THE SPACE FROM THE TOP OF THE CONCRETE FLOOR TO THE UNDERSIDE OF THE EXISTING INTERSTITIAL STRUCTURE ABOVE UNLESS NOTED OTHERWISE.
18. MURALS HAVE BEEN IDENTIFIED TO THE BEST OF OUR KNOWLEDGE ON FINISH PLAN. CONTRACTOR TO IDENTIFY ALL MURALS ON SITE. EXTENTS OF ALL NEW PAINT TO EXLUDE EXISTING MURALS.

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REGISTERED ARCHITECT — MATTHEW W. MESSER — 29915 — STATE OF TEXAS

11 NOVEMBER 2024

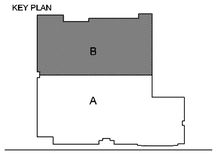
	DATE	ISSUE
A	11 NOV 2024	100% Construction Documents

PROJECT NAME
ORG 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS
6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

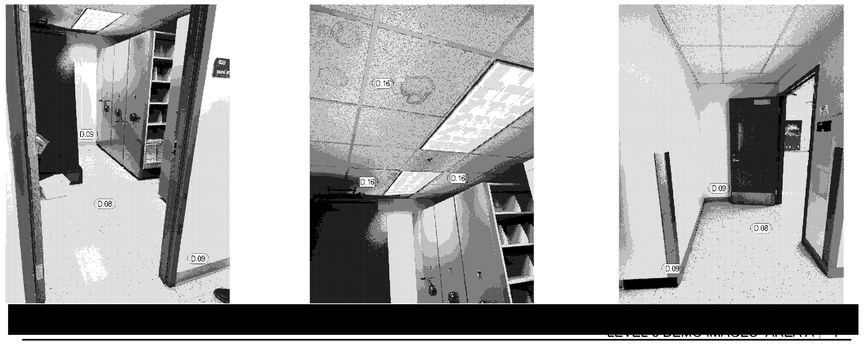
KEY PLAN



SHEET TITLE
SECOND FLOOR DEMOLITION PLAN - AREA B

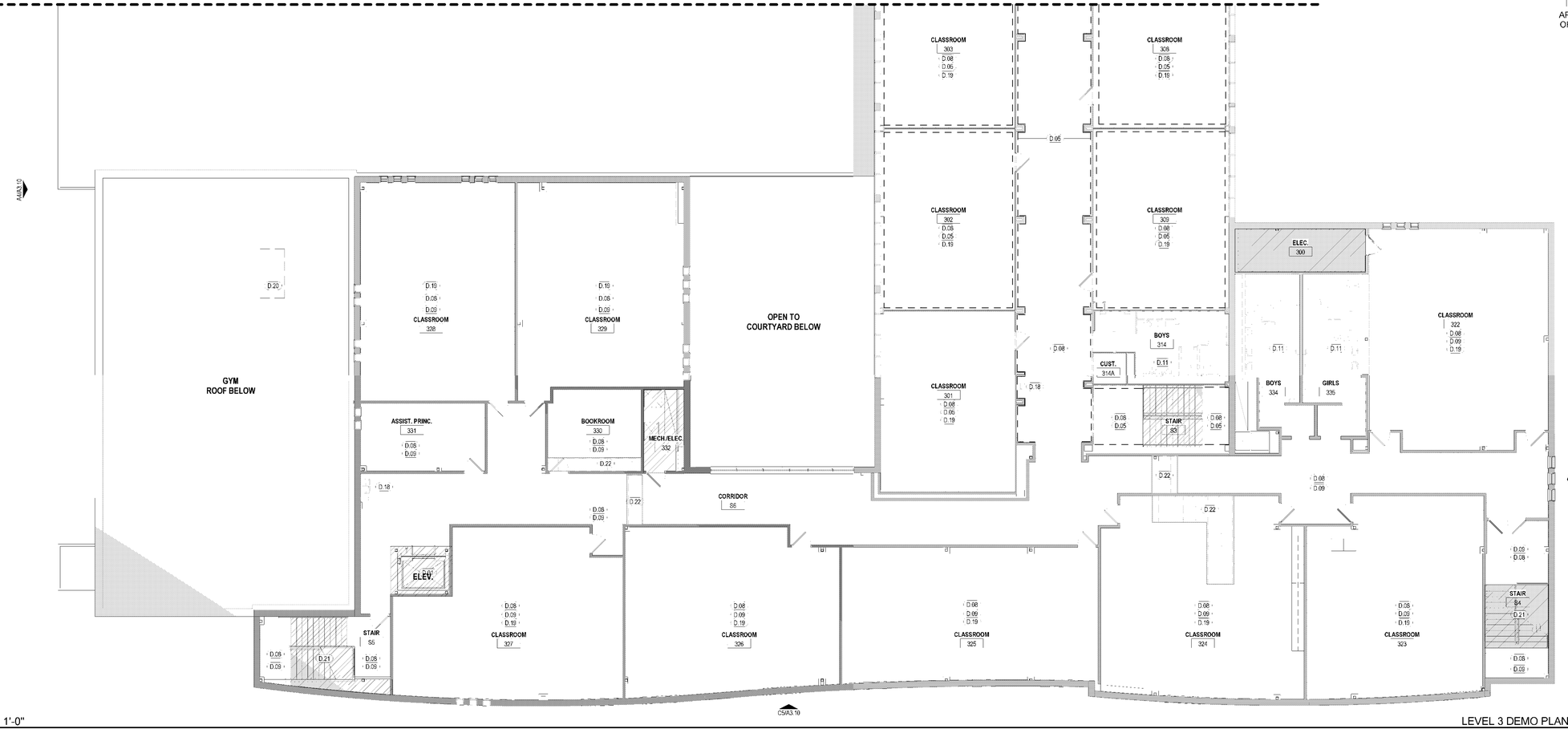
SHEET NUMBER
A2.14

11/20/2024 11:55:06 AM Autodesk Docs://2023351 DISD Date McGlaine, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt



LEVEL 3 DEMO IMAGES - AREA A

AREA RESERVED FOR CITY OF DALLAS PERMIT STAMP



1/8" = 1'-0"

LEVEL 3 DEMO PLAN - AREA A | B5

DEMO LEGEND

- NOT IN SCOPE
- EXISTING FLOORING — FLOORING TO REMAIN AND BE PROTECTED.
- AREA OF DEMOLITION WORK — REFER TO KEYNOTES IN EACH SPACE FOR SPECIFIC WORK TO BE COMPLETED.
- APPROXIMATE AREA OF CEILING DEMOLITION WORK — REFER TO MEP DRAWING FOR ADDITIONAL INFORMATION.
- DEMOLISHED TILE FLOOR BASE
- DEMOLITION WORK

(##) KEY NOTES

- **D.01** NO WORK IN THIS AREA.
- **D.05** DEMO EXISTING TILE BASE. CONTRACTOR TO PATCH AND REPAIR AREAS OF WALL DAMAGED BY TILE REMOVAL AND PREP WALL FOR INSTALLATION OF NEW QAINT AND BASE. RE: FINISH PLAN.
- **D.08** REMOVE ALL EXISTING FLOORING IN ITS ENTIRETY. PATCH AND PREP SUBFLOOR FOR INSTALLATION OF NEW FINISHES. RE: FINISH PLAN.
- **D.09** REMOVE EXISTING RBA. PATCH AND PREP WALL SURFACES TO RECEIVE NEW RBA. RE: FINISH PLAN.
- **D.11** ALTERNATE #4: DEMO RESTROOM IN ITS ENTIRETY.
- **D.16** ALL EXISTING CEILING GRID AND TILE TO BE REMOVED IN ITS ENTIRETY. ALL EXISTING LIGHT FIXTURES TO BE REMOVED.
- **D.18** DEMO EXISTING WATER FOUNTAIN, PREP EXISTING WALL AS REQUIRED TO RECEIVE NEW WATER FOUNTAIN. REFER TO MEP FOR ADDITIONAL INFORMATION.
- **D.19** EXISTING MILLWORK TO REMAIN. PROTECT IN ITS ENTIRETY.
- **D.20** DEMO EXISITING RTU UNITS. RE: SHEET RO1.00 FOR MORE INFORMATION.
- **D.21** NO WORK ON STAIR TREADS.
- **D.22** DEMO CEILING. ALL EXISTING LIGHTING FIXTURES TO BE REMOVED.

[redacted]

1. REMOVE ALL EXISTING CONSTRUCTIONS AND FINISHES NECESSARY FOR THE COMPLETION OF THE WORK AS DEPICTED ON THE DRAWINGS, INCLUDING BUT NOT LIMITED TO, ITEMS SHOWN ON THE PLANS WITH DASHED LINES. NECESSARY DISCONNECTS AND ALTERATIONS TO EXISTING MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INCLUDED. DISPOSITION OF MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. VERIFY WITH OWNER, THE DISPOSITION AND REMOVAL OF ANY COMPONENTS OF SALVAGEABLE VALUE.
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REGISTERED ARCHITECT — 26916 — STATE OF TEXAS

11 NOVEMBER 2024

	DATE	ISSUE
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PROJECT NAME

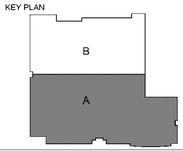
ORG 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS

6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN



SHEET TITLE

THIRD FLOOR DEMOLITION FLOOR PLAN - AREA A

SHEET NUMBER

A2.15

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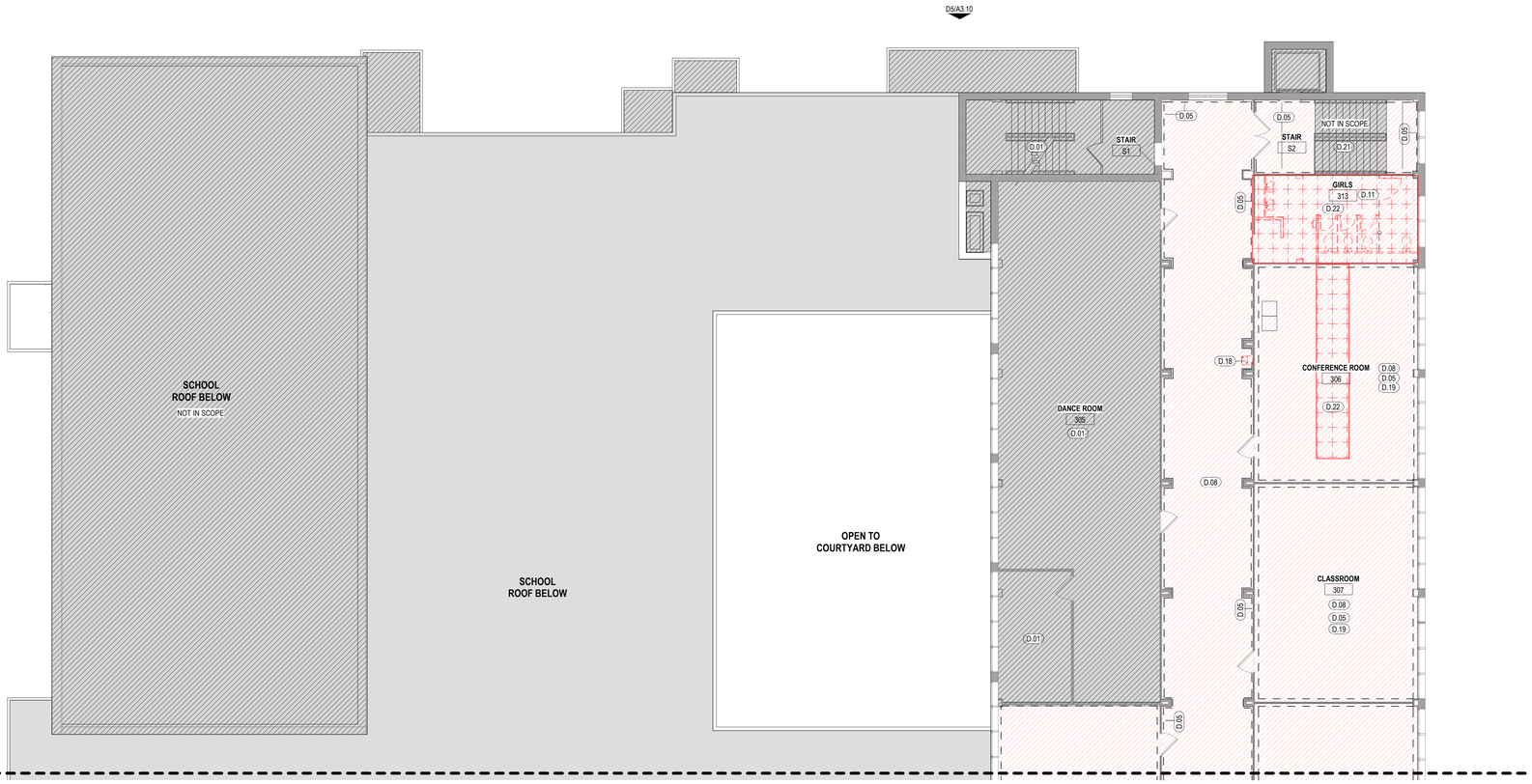

1/8" = 1'-0"

LEVEL 3 DEMO PLAN - AREA B | B5

DEMO LEGEND

- NOT IN SCOPE
- EXISTING FLOORING — FLOORING TO REMAIN AND BE PROTECTED.
- AREA OF DEMOLITION WORK — REFER TO KEYNOTES IN EACH SPACE FOR SPECIFIC WORK TO BE COMPLETED.
- APPROXIMATE AREA OF CEILING DEMOLITION WORK — REFER TO MEP DRAWING FOR ADDITIONAL INFORMATION.
- DEMOLISHED TILE FLOOR BASE
- DEMOLITION WORK

KEY NOTES

(#.##)

D.01 NO WORK IN THIS AREA.
D.05 DEMO EXISTING TILE BASE. CONTRACTOR TO PATCH AND REPAIR AREAS OF WALL DAMAGED BY TILE REMOVAL AND PREP WALL FOR INSTALLATION OF NEW OAINT AND BASE. RE: FINISH PLAN
D.08 REMOVE ALL EXISTING FLOORING IN ITS ENTIRETY. PATCH AND PREP SUBFLOOR FOR INSTALLATION OF NEW FINISHES. RE: FINISH PLAN.
D.11 ALTERNATE #4: DEMO RESTROOM IN ITS ENTIRETY.
D.18 DEMO EXISTING WATER FOUNTAIN. PREP EXISITNG WALL AS REQUIRED TO RECEVE NEW WATER FOUNTAIN. REFER TO MEP FOR ADDITIONAL INFORMATION.
D.19 EXISTING MILLWORK TO REMAIN. PROTECT IN ITS ENTIRETY.
D.21 NO WORK ON STAIR TREADS.
D.22 DEMO CEILING. ALL EXISTING LIGHTING FIXTURES TO BE REMOVED.

SHEET NOTES

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REGISTERED ARCHITECT — MATTHEW R. MCSHANE — 26916 — STATE OF TEXAS

11 NOVEMBER 2024

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PROJECT NAME
ORG 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS
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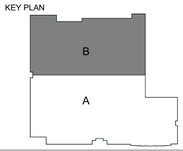
KIRKSEY PROJECT NO. 2023351

KEY PLAN



SHEET TITLE
THIRD FLOOR DEMOLITION FLOOR PLAN - AREA B

SHEET NUMBER
A2.16

11/20/2024 11:56:00 AM Autodesk Docs://2023351 DISD Dalle, McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt

1/8" = 1'-0"

FIRST FLOOR PLAN | A5

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KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE

FIRST FLOOR COMPOSITE PLAN

SHEET NUMBER

A2.21

11/20/2024 11:56:18 AM
Autodesk Docs://2023351 DISD Date, McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt

1/8" = 1'-0"

SECOND FLOOR PLAN | A5

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KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE

SECOND FLOOR COMPOSITE PLAN

SHEET NUMBER

A2.22

11/20/2024 11:56:28 Autodesk Docs://2023351 DISD Dists_McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt
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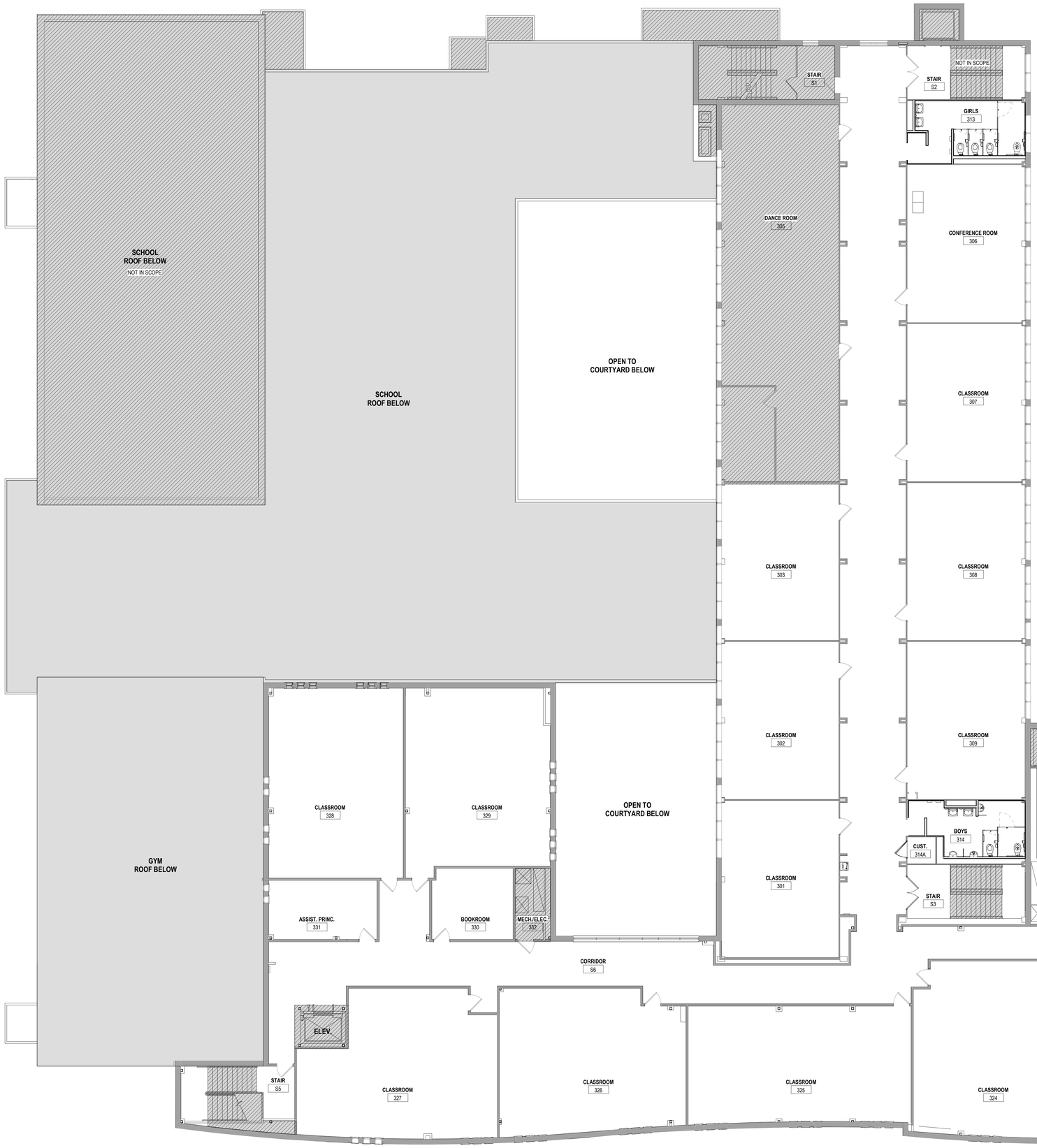

1/8" = 1'-0"

THIRD FLOOR PLAN | A5

AREA RESERVED FOR CITY OF DALLAS PERMIT STAMP

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REGISTERED ARCHITECT
MATTHEW R. MCSHANE
26916
STATE OF TEXAS

11 NOVEMBER 2024

	DATE	ISSUE
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PROJECT NAME

ORG 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS

6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE

THIRD FLOOR COMPOSITE PLAN

SHEET NUMBER

A2.23

11/20/2024 11:56:38 Autodesk Docs://2023351 DISD Dade, McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt
AM

1/8" = 1'-0"

ROOF COMPOSITE PLAN | A5

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Dallas Texas 75207

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SHEET TITLE

ROOF COMPOSITE PLAN

SHEET NUMBER

A2.24

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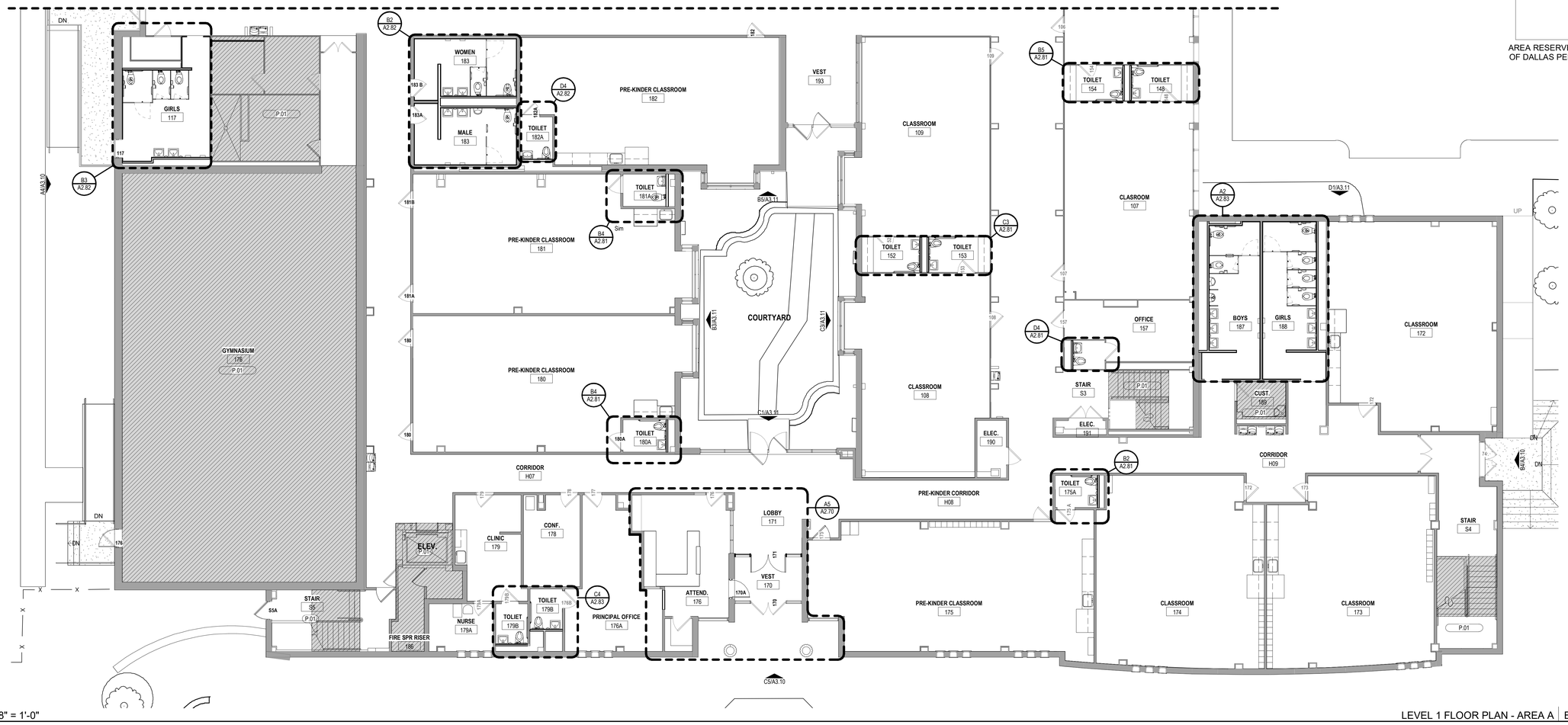

1/8" = 1'-0"

LEVEL 1 FLOOR PLAN - AREA A | B5

LEGEND

NOT IN SCOPE

KEY NOTES

P.01 NO WORK IN THIS AREA.

SHEET NOTES

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7. DOORS UNDERCUTS SHALL NOT EXCEED ½" A.F.F.
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9. ALL PARTITION TYPES SHALL BE "TYPE AB", UNLESS NOTED OTHERWISE.
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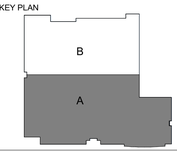

SHEET TITLE

FIRST FLOOR PLAN - AREA A

SHEET NUMBER

A2.31

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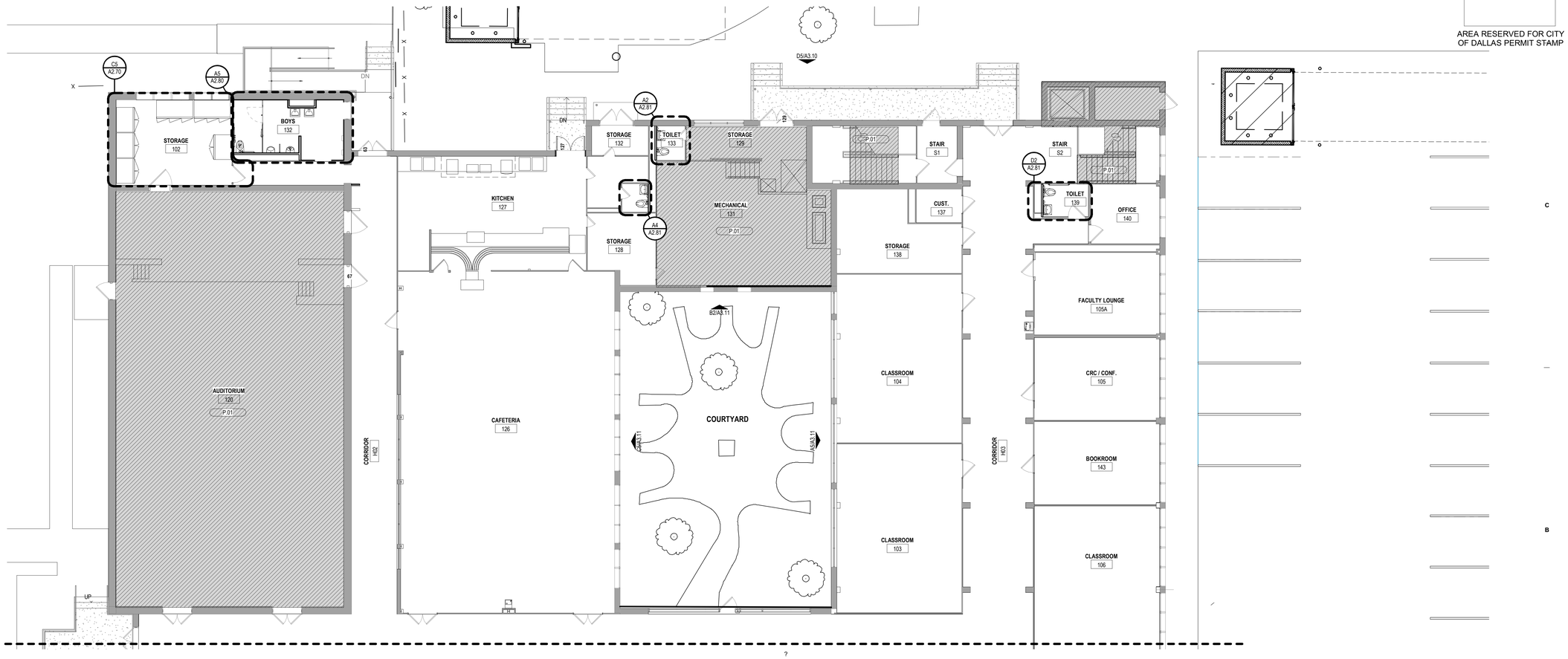

1/8" = 1'-0"

LEVEL 1 FLOOR PLAN - AREA B | 1

LEGEND

NOT IN SCOPE

KEY NOTES

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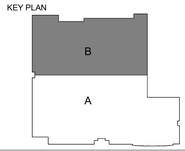

SHEET TITLE

FIRST FLOOR PLAN - AREA B

SHEET NUMBER

A2.32

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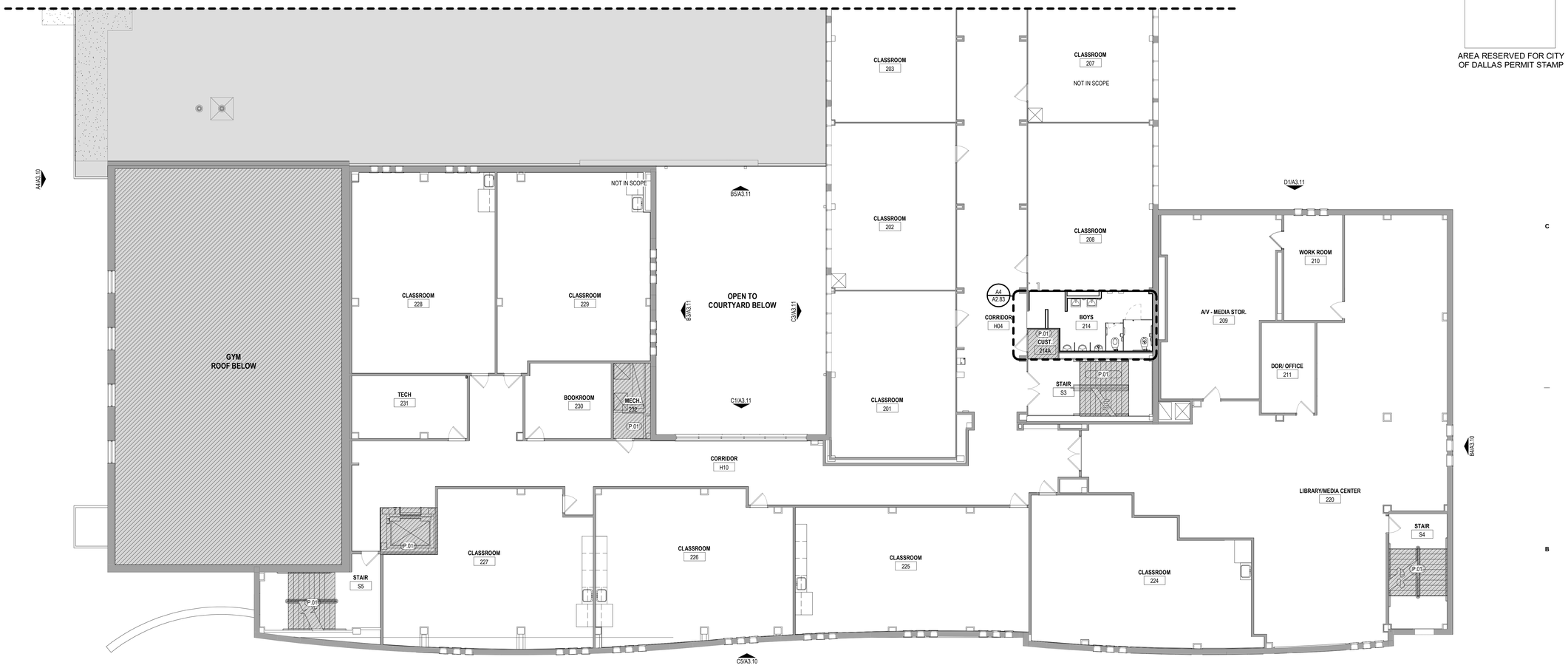

1/8" = 1'-0"

LEVEL 2 FLOOR PLAN - AREA A | B5

LEGEND

NOT IN SCOPE

KEY NOTES

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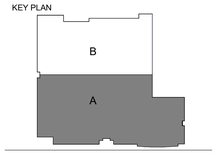


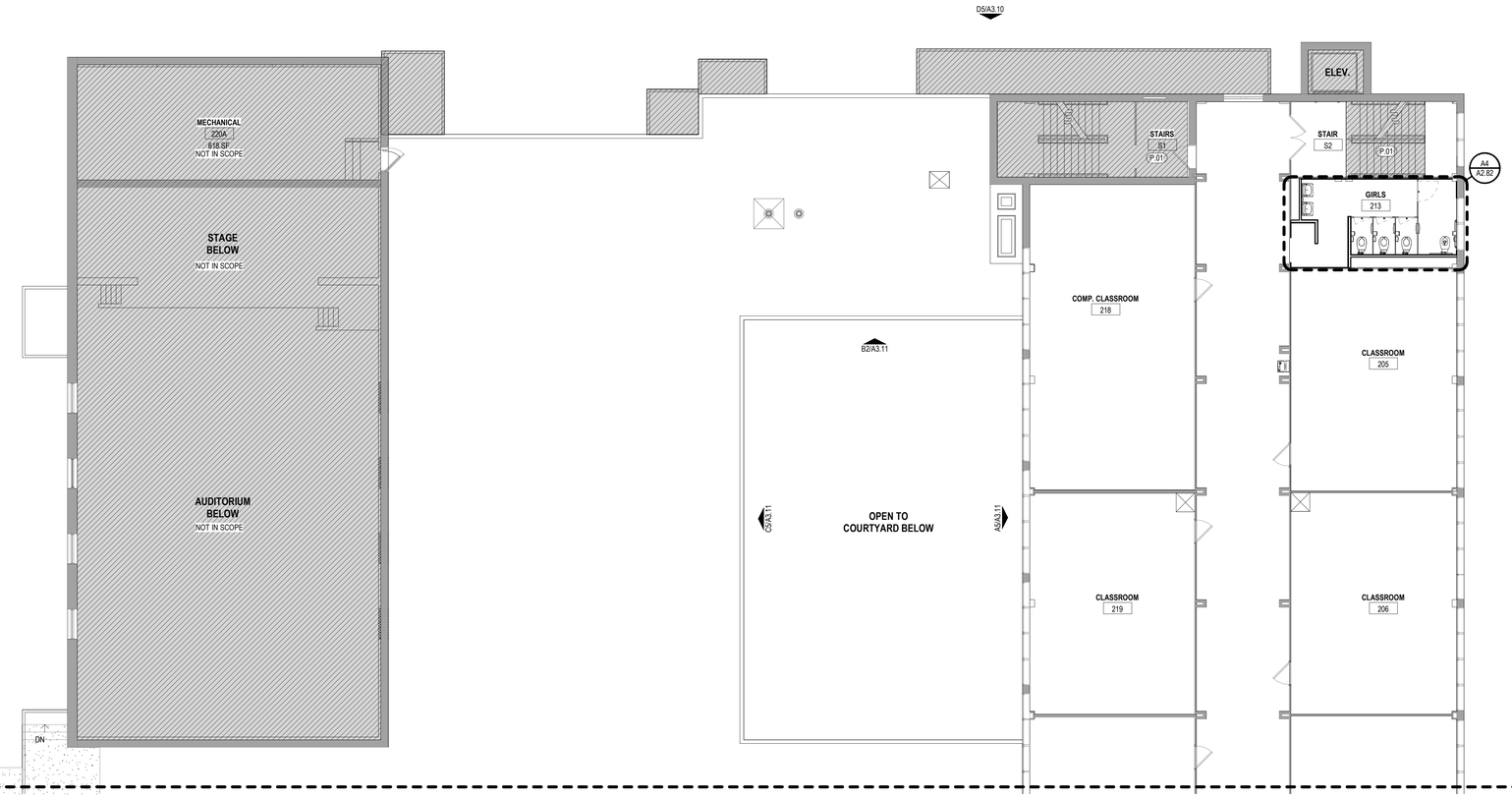
SHEET TITLE

SECOND FLOOR PLAN - AREA A

SHEET NUMBER

A2.33

11/20/2024 11:57:24 AM Autodesk Docs://2023351 DISD Dalls McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt



1/8" = 1'-0"

LEVEL 2 FLOOR PLAN - AREA B | 1

LEGEND

NOT IN SCOPE

KEY NOTES

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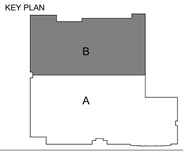

SHEET TITLE

SECOND FLOOR PLAN - AREA B

SHEET NUMBER

A2.34

11/20/2024 11:57:33 AM Autodesk Docs://2023351 DISD Dade, McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt

1/8" = 1'-0"

LEVEL 3 FLOOR PLAN - AREA A | 5B

LEGEND

NOT IN SCOPE

#.## KEY NOTES

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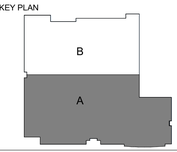

SHEET TITLE

THIRD FLOOR PLAN - AREA A

SHEET NUMBER

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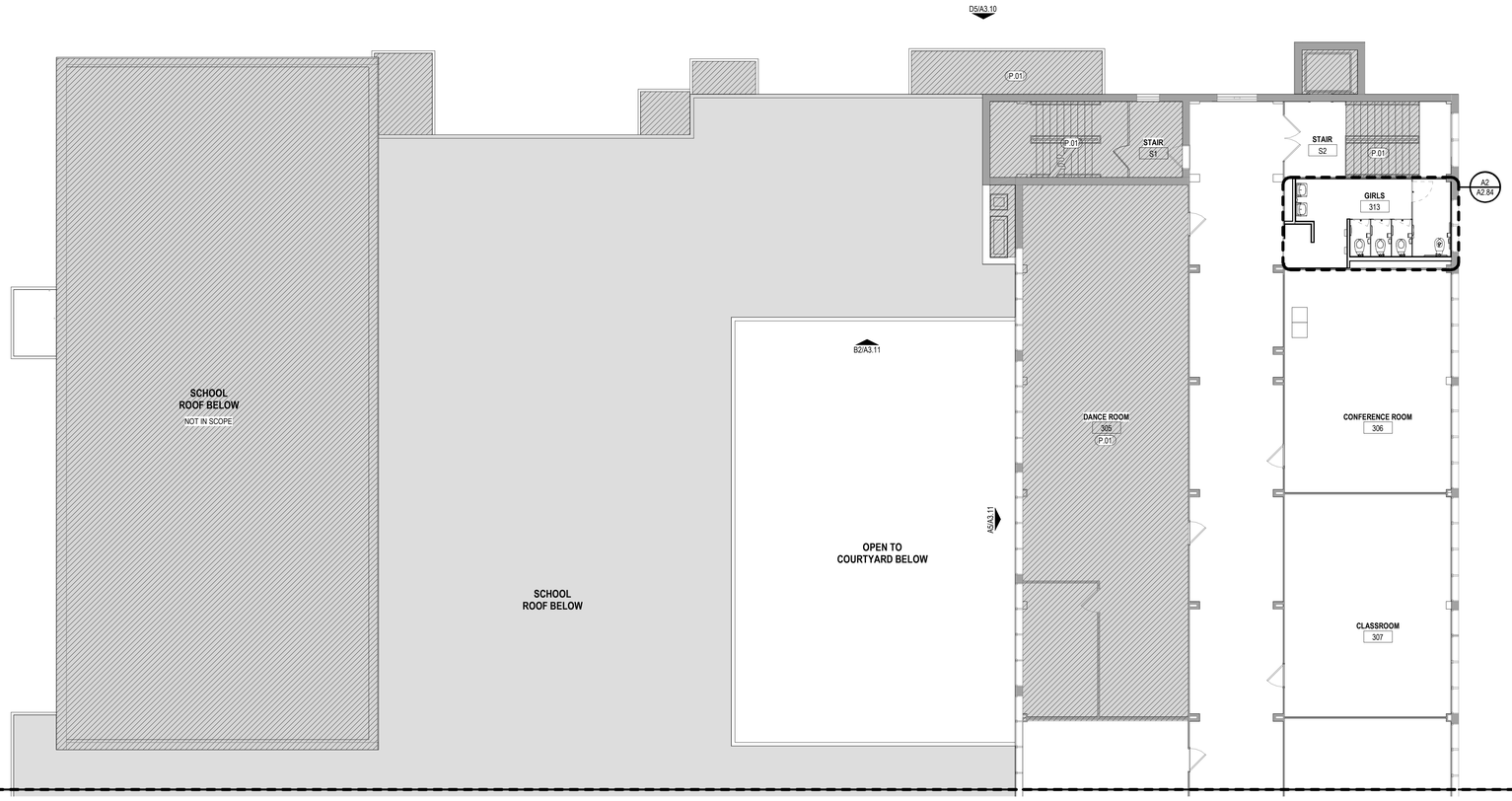

1/8" = 1'-0"

LEVEL 3 FLOOR PLAN - AREA B | B5

LEGEND

NOT IN SCOPE

KEY NOTES

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A	11 NOV 2024	100% Construction Documents

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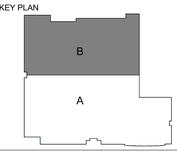
ORG 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS
6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN



SHEET TITLE
THIRD FLOOR PLAN - AREA B

SHEET NUMBER
A2.36

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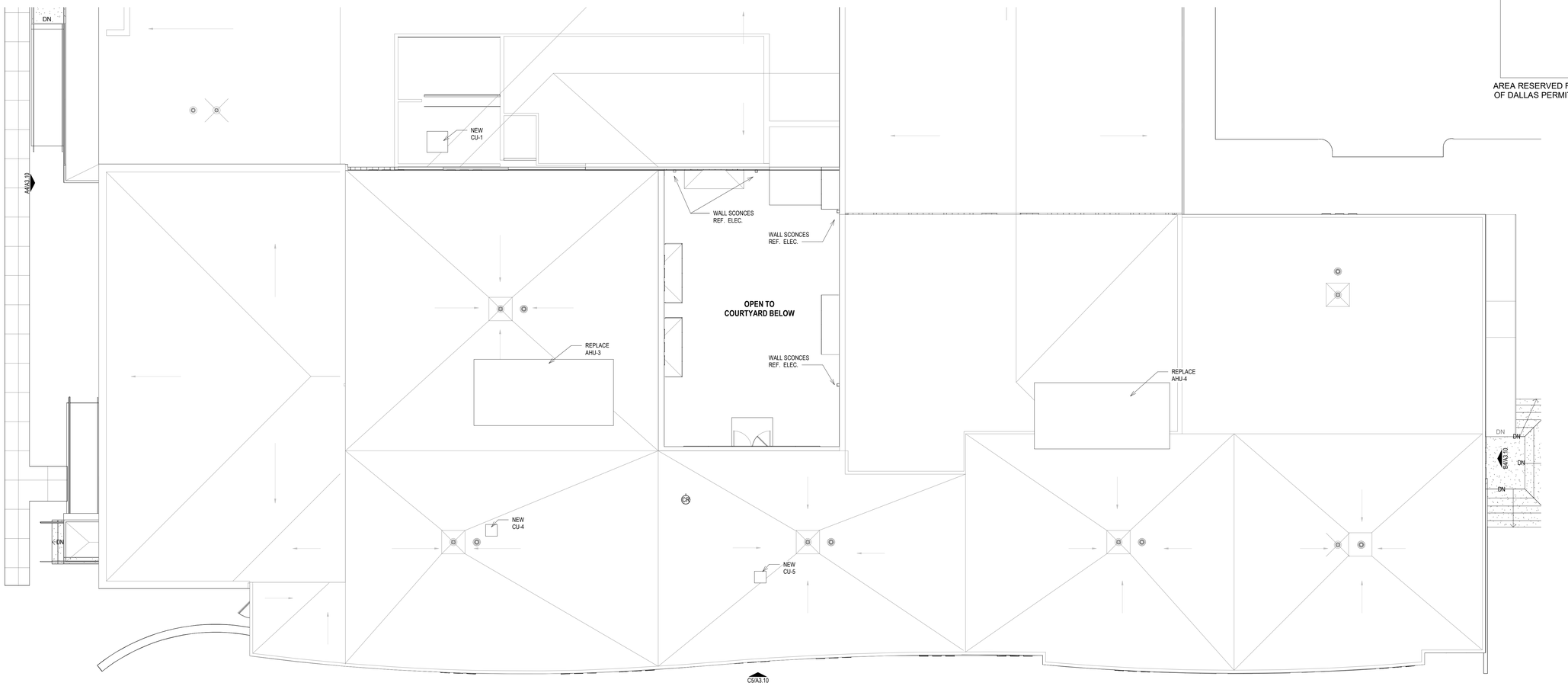

1/8" = 1'-0"

ROOF PLAN | A5

KEY NOTES

SHEET NOTES

1. SLOPE ROOF MIN 1/4" PER FOOT, FOR FINISH PRODUCT
2. ROOFING DRAWINGS SHOWN ON THIS PAGE ARE FOR GENERAL IDENTIFICATION OF EQUIPMENT AND AREAS. REFER TO R SHEETS AND MECHANICAL SHEETS FOR ADDITIONAL INFORMATION RELATED TO ALL ROOFING-RELATED WORK.

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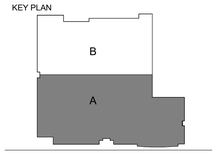

SHEET TITLE

ROOF PLAN - AREA A

SHEET NUMBER

A2.37

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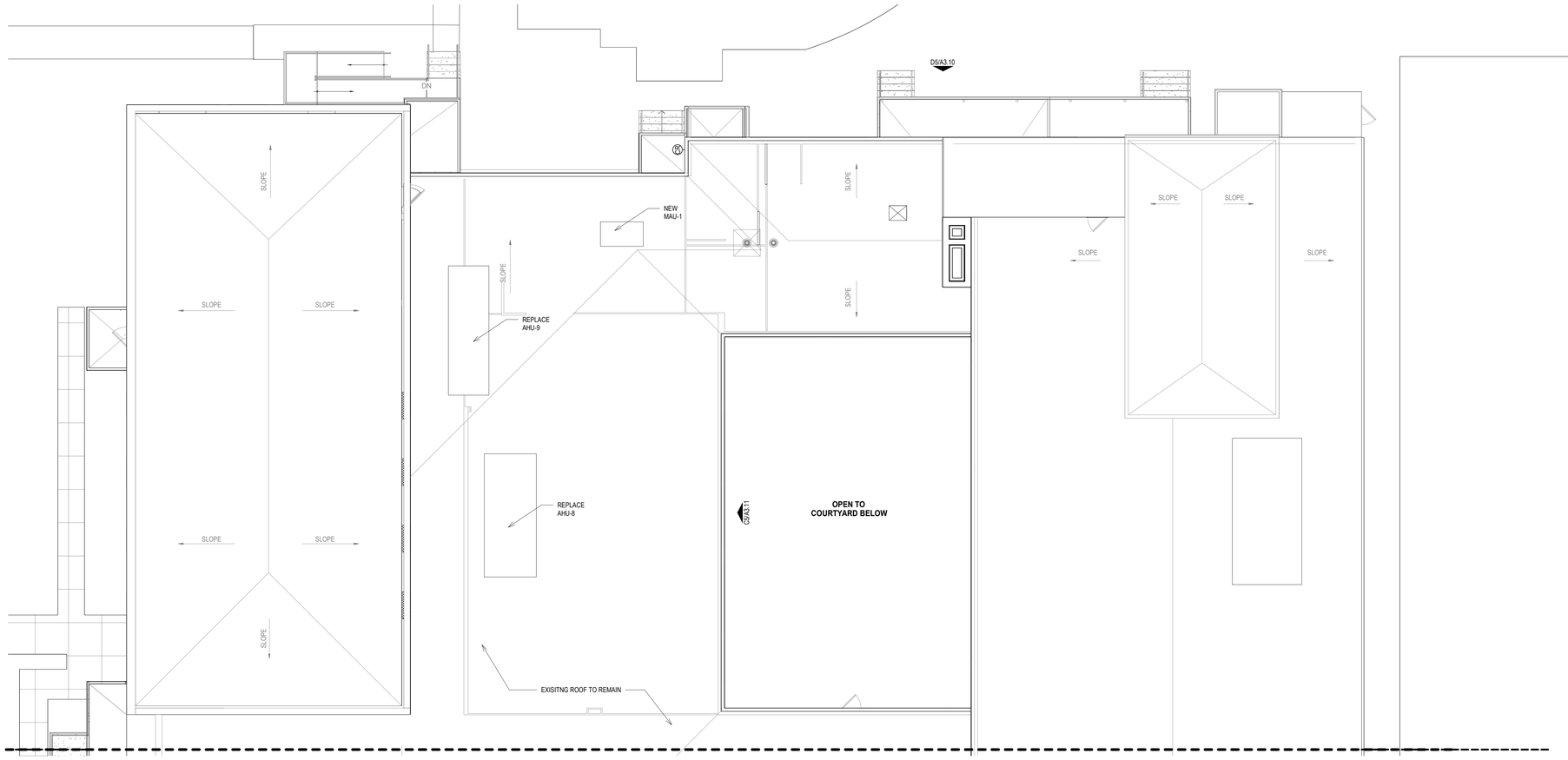

1/8" = 1'-0"

ROOF PLAN - AREA B | A5

KEY NOTES

SHEET NOTES

1. SLOPE ROOF MIN 1/4" PER FOOT, FOR FINISH PRODUCT
2. ROOFING DRAWINGS SHOWN ON THIS PAGE ARE FOR GENERAL IDENTIFICATION OF EQUIPMENT AND AREAS. REFER TO R SHEETS AND MECHANICAL SHEETS FOR ADDITIONAL INFORMATION RELATED TO ALL ROOFING-RELATED WORK.

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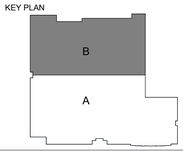

SHEET TITLE

ROOF PLAN - AREA B

SHEET NUMBER

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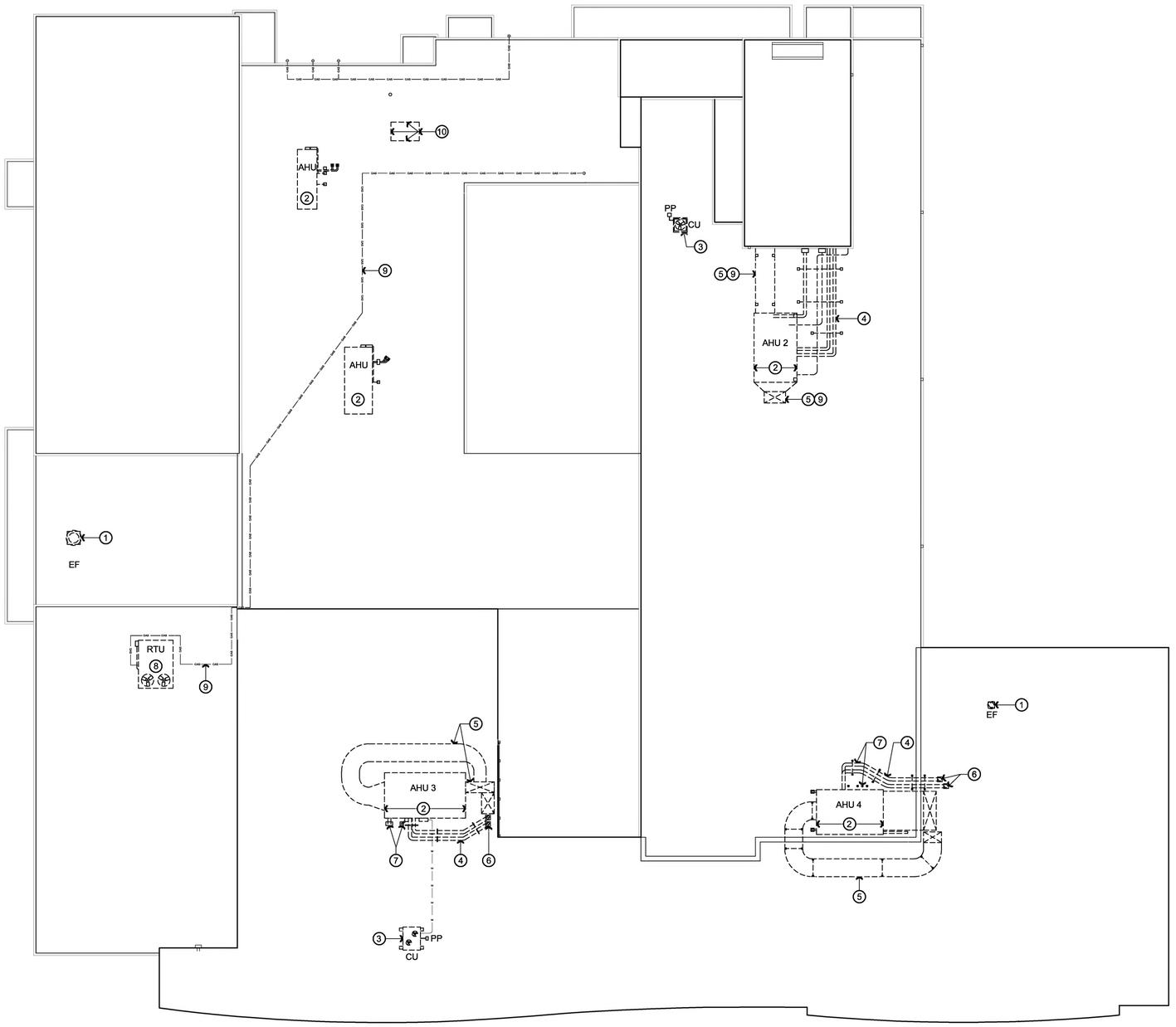

01 DEMOLITION ROOF PLAN

3/32" = 1'-0"

DEMOLITION KEYED NOTES

1. EXISTING EXHAUST FAN AND CURB TO BE REMOVED AND REPLACED.
2. EXISTING AIR HANDLING UNITS (AHU) ASSOCIATED CONTROLS, PIPING, CURBS, DUCT WORK AND SUPPORTS TO BE REMOVED AND REPLACED (AHU 2 & AHU 4) ASSUMED EXISTING STEEL SUPPORT FOR UNIT TO REMAIN.
3. EXISTING CONDENSING UNIT ASSOCIATED CONTROLS, WIRING, PIPING, AND CURB TO BE REMOVED AND REPLACED.
4. REWORK EXISTING ELECTRICAL AND PIPING. REFER MEP DRAWINGS. REMOVE EXISTING SUPPORTS DOWN TO DECK AND REPAIR ROOF SYSTEM TO MATCH EXISTING.
5. EXISTING DUCT WORK, CURB PENETRATIONS AND SUPPORTS TO BE REWORKED TO ACCOMMODATE INSTALLATION OF NEW UNIT.
6. EXISTING PIPE PENETRATIONS PANS TO BE REMOVED.
7. SINGLE PIPE PENETRATIONS TO BE REWORK TO ACCOMMODATE NEW AHU.
8. EXISTING RTU ASSOCIATED CONTROLS, PIPING, CURBS TO BE REMOVED AND REPLACED.
9. EXISTING GAS PIPING TO BE REWORKED TO ACCOMMODATE NEW UNITS AND CURBS.
10. APPROXIMATE LOCATION OF NEW MAKE-UP AHU. REFER TO MEP AND STRUCTURAL DRAWINGS.

TRUE NORTH N

PLAN NORTH N

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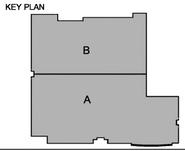
KEY PLAN



SHEET TITLE

DEMOLITION ROOF PLAN

SHEET NUMBER

RD1.00

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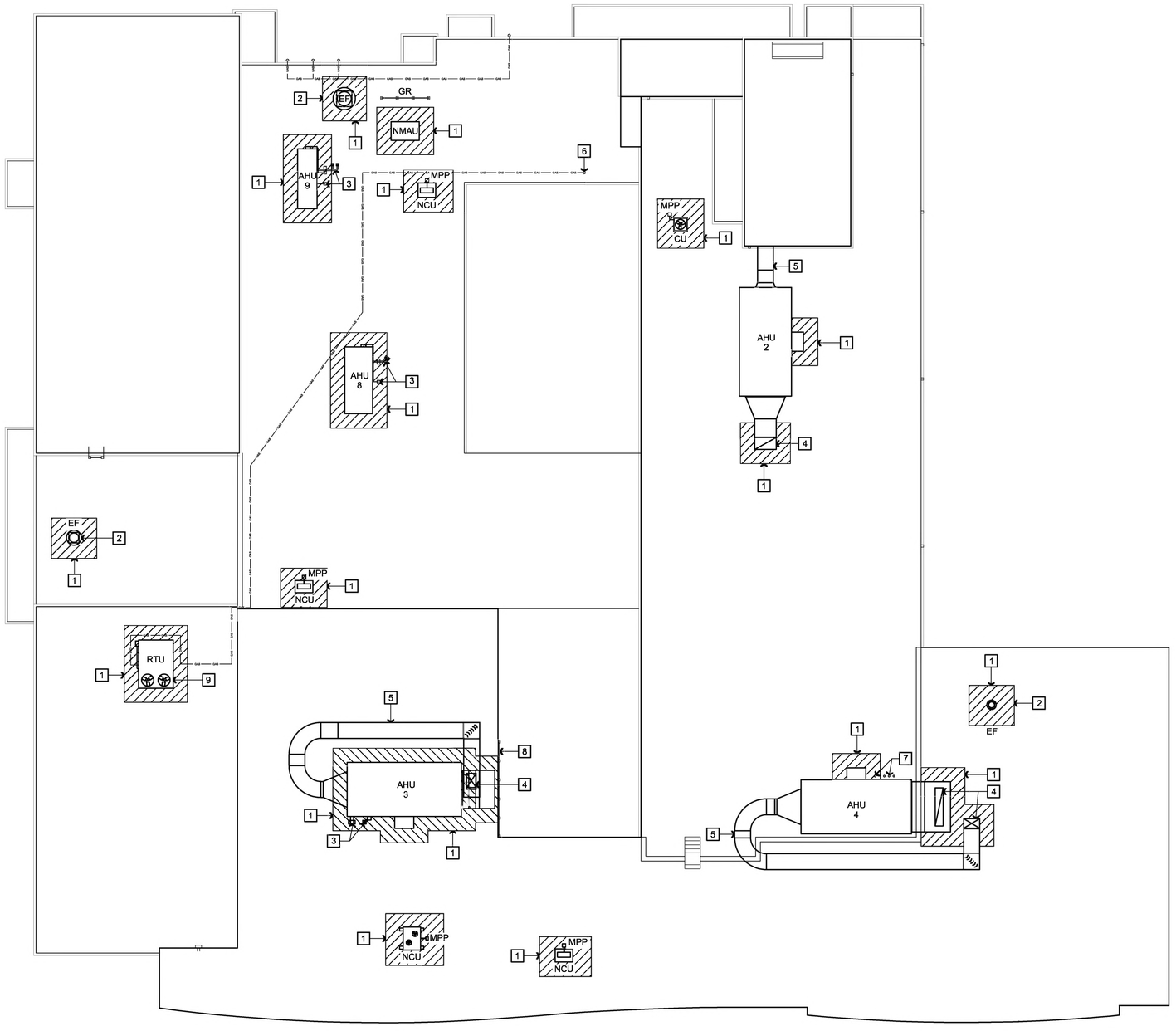

01 CONSTRUCTION ROOF PLAN

3/32" = 1'-0"

CONSTRUCTION KEYED NOTES

1. WHERE EXISTING EQUIPMENT/CURB ARE BEING REPLACED AND NEW EQUIPMENT/ CURBS ARE BEING INSTALLED, REMOVED ± 3'-0" BEYOND PERIMETER OF NEW CURB TO ALLOW FOR INSTALLATION OF NEW ROOFING MATERIALS. NEW ROOF TIE-IN TO MATCH EXISTING INSULATION AND MEMBRANE. IF THIS ROOF IS UNDER WARRANTY WILL REQUIRE APPROVED APPLICATOR.
2. INSTALL NEW CURB AT NEW EXHAUST FAN TO ACCOMMODATE DISD REQUIRED FLASHING HEIGHT OF 14" MIN. REFER TO DETAIL 05/R2.00
3. REWORK FLASHINGS AT CHILLER HOUSING TO ACCOMMODATE 14" MIN. FLASHING HEIGHT. REFER TO DETAIL 01/R2.00
4. WHERE NEW CURBS INSTALL AND EXISTING DUCT WORK PENETRATIONS TO ACCOMMODATE 14" MIN. FLASHING HEIGHTS. REFER TO 04/R2.00
5. INSTALL NEW DUCT WORK SUPPORTS. REFER TO 02/R2.01
6. INSTALL NEW PIPE SUPPORTS FOR GAS PIPING. REFER TO DETAIL 10/R2.00 AND 09/R2.01
7. RAISE SINGLE PIPE PENETRATIONS REWORKED FOR NEW UNIT TO ACCOMMODATE INSTALLATION OF NEW UNIT. REFER TO DETAILS 09/R2.00 AND 07/R2.01
8. EXISTING GUARD RAIL TO REMAIN.
9. NEW RTU TO BE INSTALLED. ENSURE NEW CURB WILL ACCOMMODATE 14" MIN. FLASHING HEIGHT. REFER TO DETAIL 01/R2.00

TRUE NORTH N

PLAN NORTH N

CONSTRUCTION LEGEND

AHU 2 & 4	AHU UNITS 2 AND 4 ARE TO BE REPLACED ON EXISTING STEEL STRUCTURE. FOR PIPE HOUSING REFER TO DETAIL 01/R2.00
AHU 3, 8 & 9	AHU UNITS 3, 8 AND 9 - NEW CURB TO INSTALLED TO ACCOMMODATE THE DISD MIN. 14" FLASHING HEIGHT REQUIREMENT. REFER TO DETAIL 01/R2.00
NMAU	NEW MAKE-UP AIR HANDLER UNIT. REFER TO DETAILS 01/R2.00
GR	INSTALL NEW GUARD RAIL. REFER TO DETAIL 10/R2.01
—GAS—	GAS PIPING TO BE REWORKED, RAISED AND PAINTED TO ACCOMMODATE NEW UNITS. REFER TO DETAILS 10/R2.00 AND 09/R2.01
—E—	ELECTRICAL CONDUIT TO BE REWORKED, RAISED AND PAINTED TO ACCOMMODATE NEW UNITS. REFER TO DETAIL 09/R2.00
NCU MPP	INSTALL NEW BOX AND RAILED CURBS AT NEW CONDENSING UNIT TO ACCOMMODATE 14" MIN. FLASHING HEIGHT AND NEW MULTIPLE PIPE PENETRATIONS BOX. REFER TO DETAIL 06/R2.00, 07/R2.00 AND 12/R2.00

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CONSTRUCTION NOTES

ALL ROOF AREAS:

1. ALL SIGHT EXPOSED ROOFING RELATED SHEET METAL VISIBLE FROM GROUND LEVEL TO BE FORMED OUT OF PRE-FINISHED SHEET METAL.
2. ALL NON SIGHT EXPOSED ROOFING RELATED SHEET METAL NOT VISIBLE FROM GROUND LEVEL TO BE FORMED OUT OF GALVANIZED SHEET METAL.
3. PROVIDE WALK PADS AT ALL NEW UNITS AND UNITS BEING REPLACED.
4. INSTALL INSULATION CRICKETS ON THE HIGH SIDE OF ALL ROOF CURBS.
5. CLEAN, PRIME AND PAINT ALL GAS PIPING.
6. REMOVE ALL ROOFING, COVERBOARD, AND INSULATION DOWN TO THE DECK. INSPECT METAL DECKS AND NOTIFY ARCHITECT OF ANY RUSTED METAL DECK. REFER TO UNIT PRICES SECTION FOR PRICING ANY REPAIRS DEEMED NECESSARY BY THE ARCHITECT.
7. ALL CONDENSATE PIPES, GAS PIPES, OR ELECTRICAL CONDUIT SHALL BE INSTALLED AS DETAILED. SUPPORTS REQUIRED 2'-0" O.C. WITHIN A CHANGE IN DIRECTION AND 8'-0" O.C. IN LINEAR DIRECTION.
8. ROOFTOP MECHANICAL EQUIPMENT HAS BEEN INDICATED PER THE LATEST INFORMATION AVAILABLE. THIS EQUIPMENT MAY CHANGE IN SIZE AND LOCATION AS THE WORK IS COMPLETED. NOTIFY ARCHITECT OF ANY LOCATION OR EQUIPMENT SIZE LOCATIONS THAT WILL HAVE AN IMPACT ON THE ROOF INSTALLATION OR DRAINAGE PRIOR TO INSTALLATION OF REFERENCE ITEMS. RAISE ALL EXISTING PIPING AND CONDUITS AS REQUIRED TO INSTALL ROOF SYSTEM AND SPECIFIED PIPE SUPPORTS.
9. ANY ROOF EQUIPMENT THAT REQUIRES REGULAR MAINTENANCE WITHIN 10'-0" OF ROOF EDGE PARAPET LOWER THAN 4'-0" WILL REQUIRE FALL PROTECTION.

NOTE TO CONTRACTOR:
NO STAGING OF MECHANICAL OR ELECTRICAL WORK OR EQUIPMENT IS TO TAKE PLACE DIRECTLY ON EXISTING ROOF SYSTEMS. CONTRACTOR TO PROVIDE 1" POLYISOCYANURATE INSULATION AND 3/4" PLYWOOD TEMPORARY PROTECTION UNDER ALL MATERIALS STORED ON EXISTING ROOF SURFACES.

COORDINATE DEMOLITION SCOPE WITH ABATEMENT CONTRACTOR.

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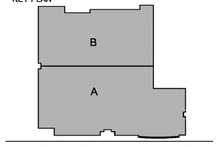
KIRKSEY PROJECT NO. 2023351

KEY PLAN



SHEET TITLE

CONSTRUCTION ROOF PLAN

SHEET NUMBER

R1.00

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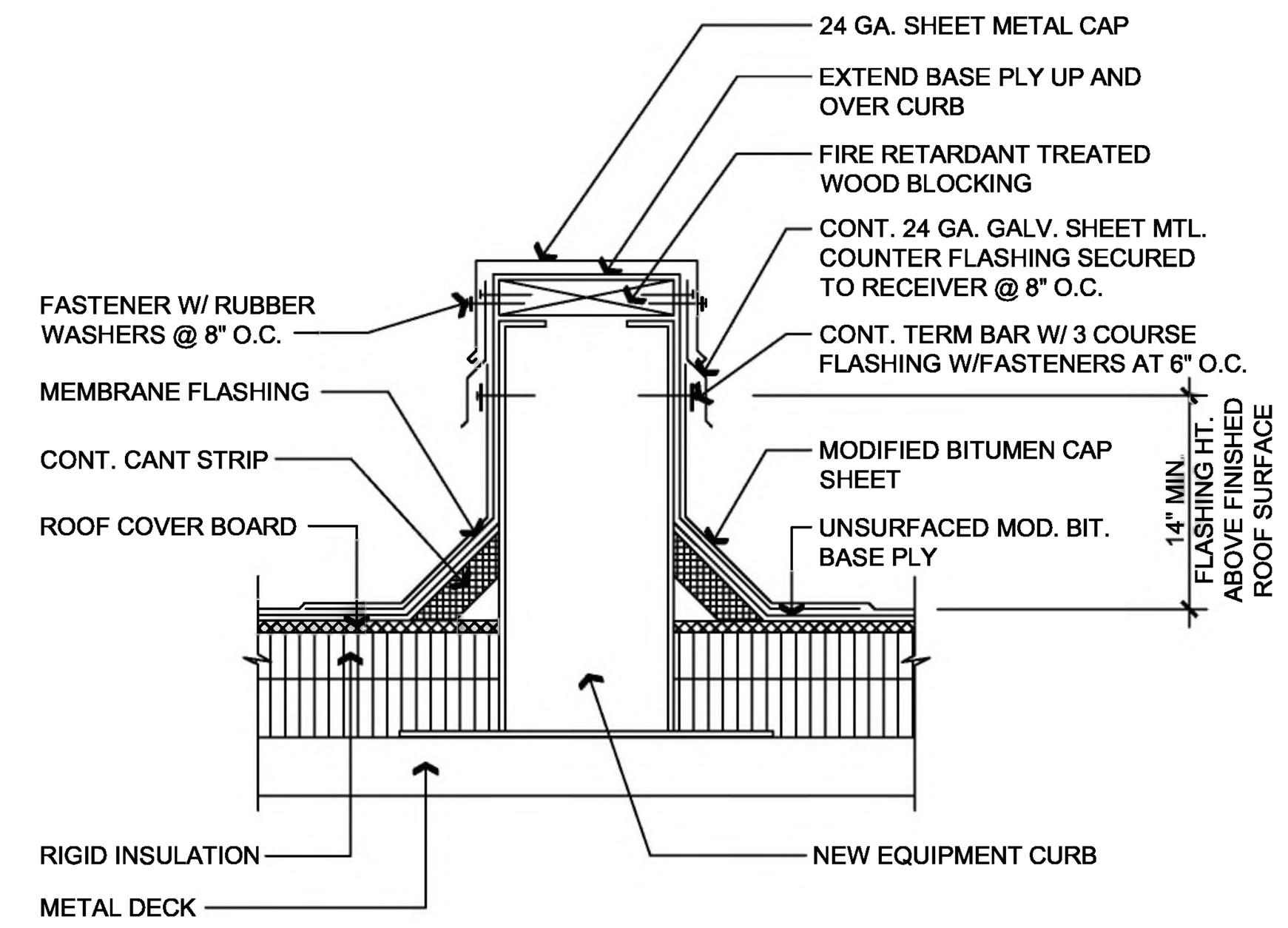
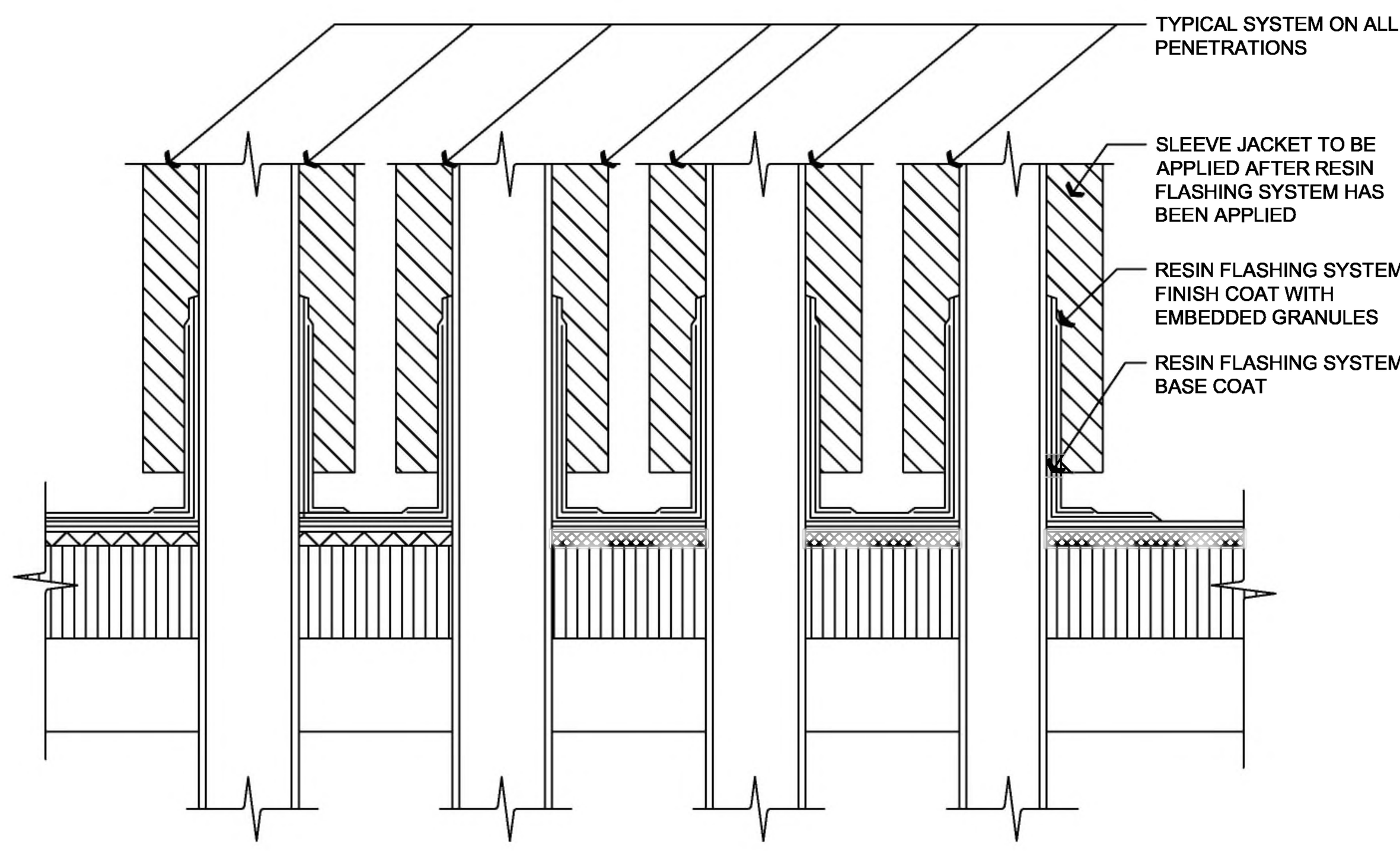


12 Rail Curb Detail at Condensing Unit
Scale: 1 1/2" = 1' - 0"



11 Multiple Pipe Penetrations (Chilled Water)
Scale: N.T.S.

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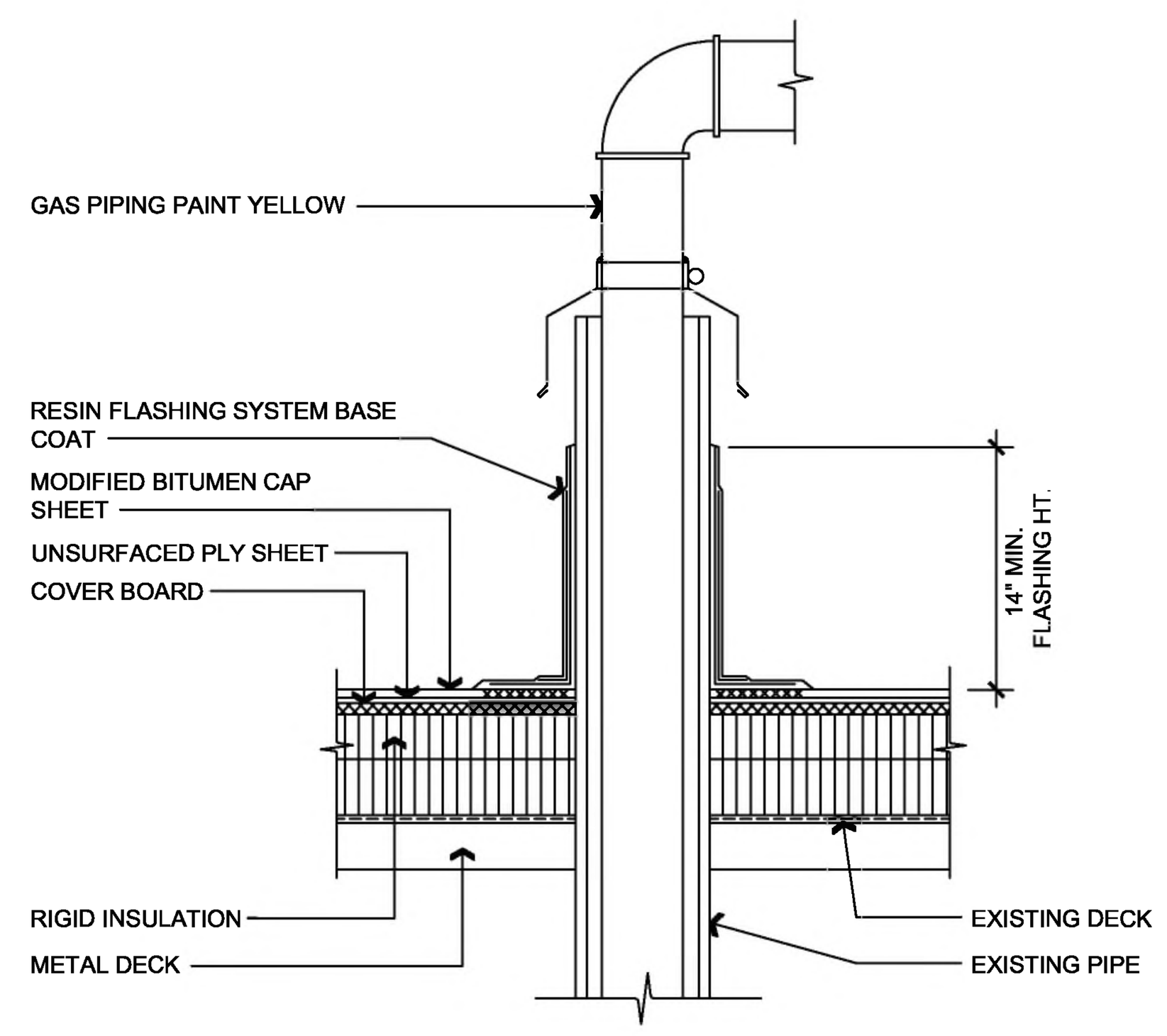
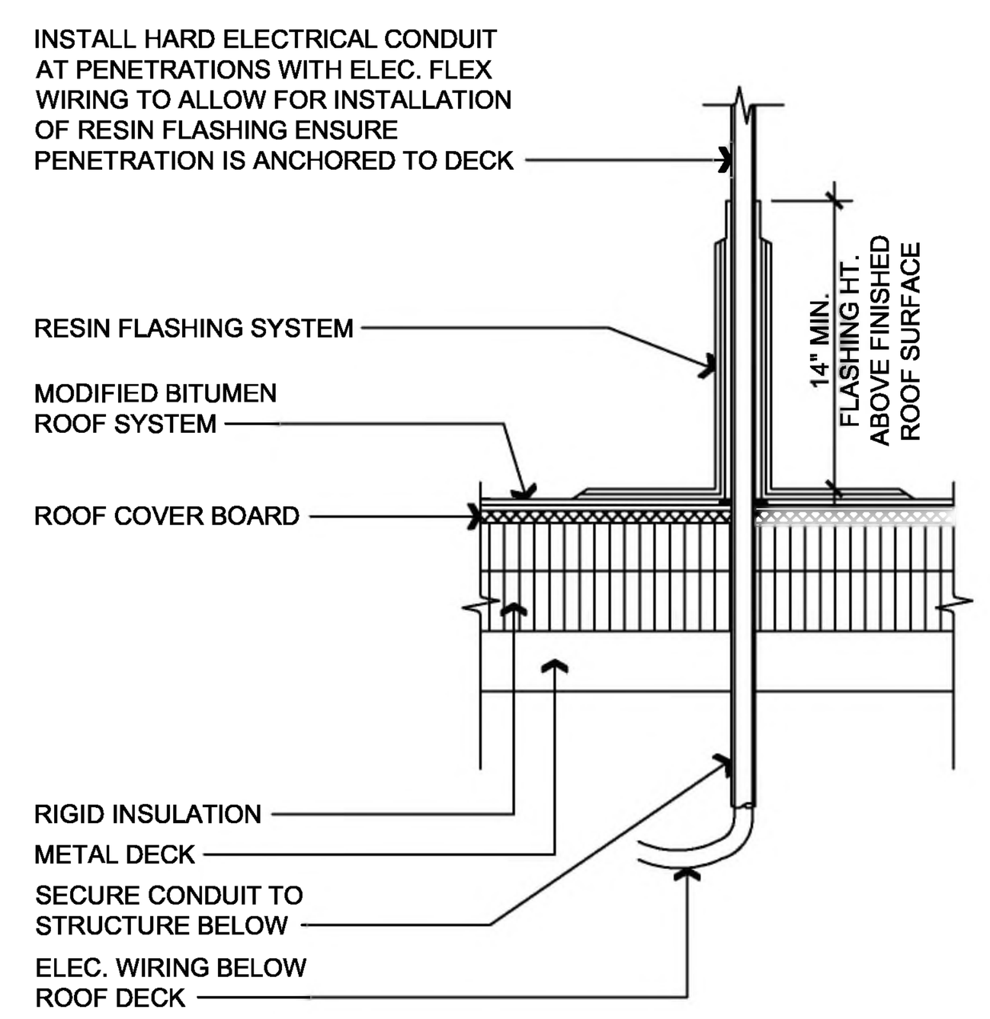
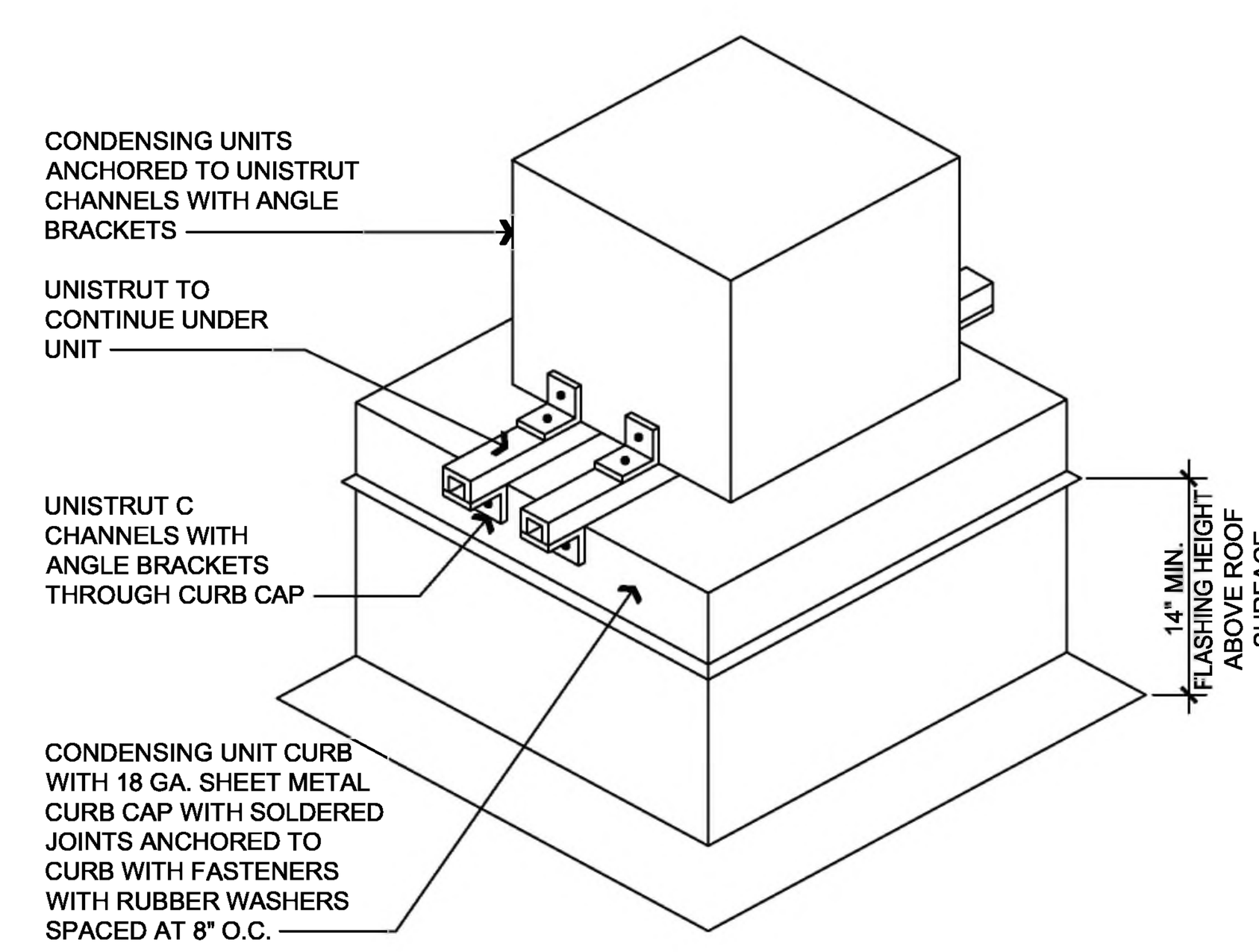


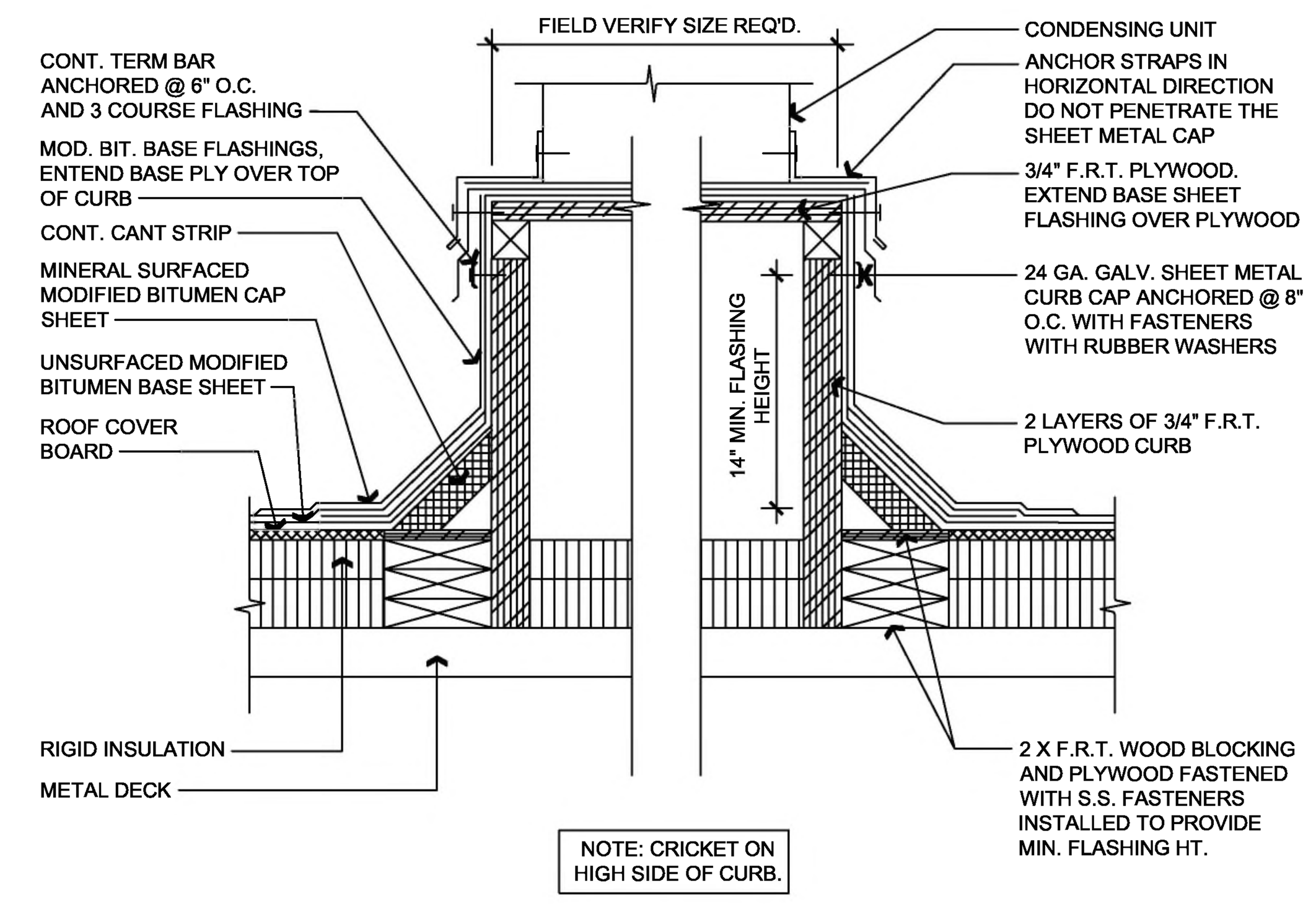
10 Gas Pipe Penetration Detail
Scale: 1 1/2" = 1' - 0"



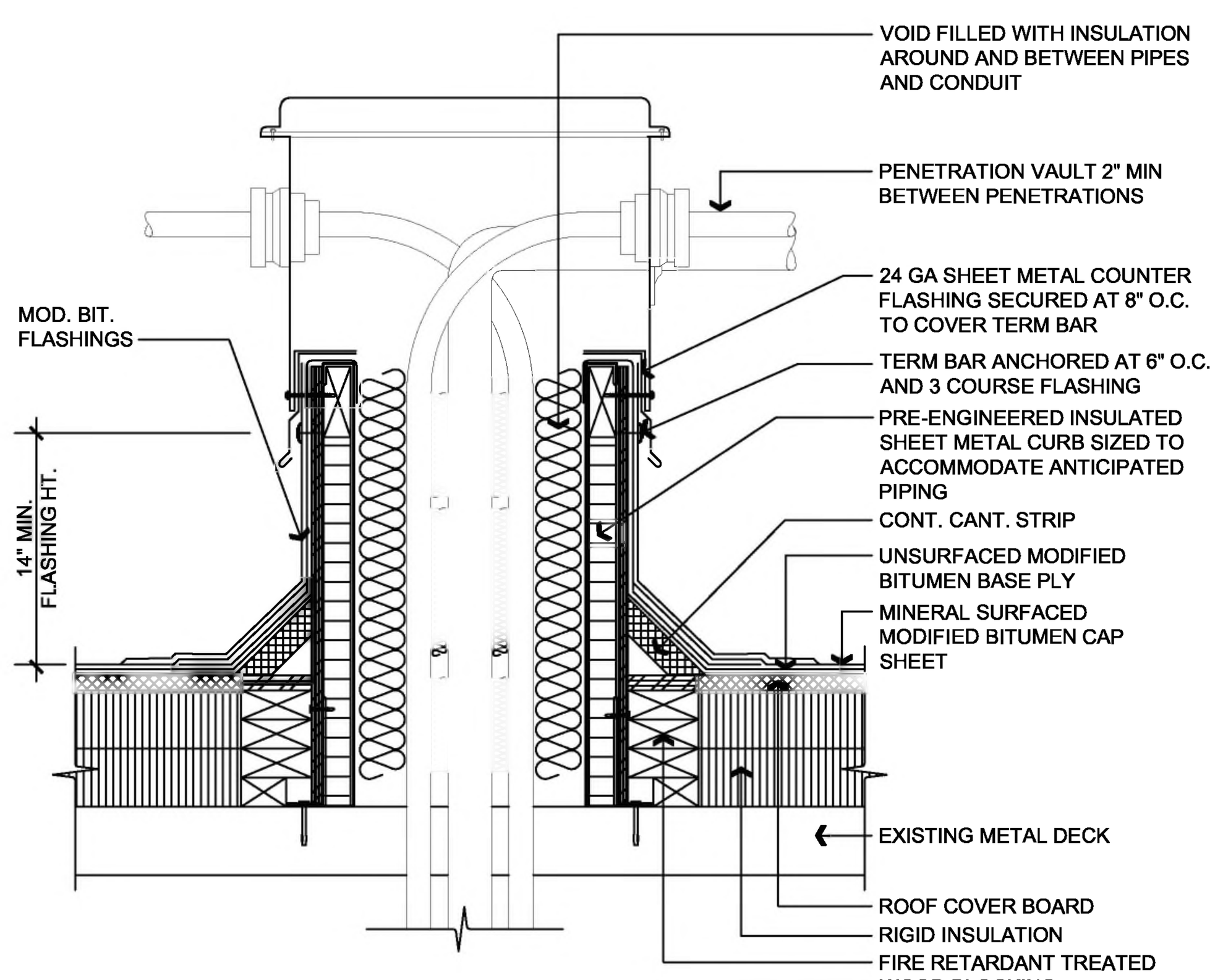
09 Electrical Conduit Penetration Detail
Scale: 1 1/2" = 1' - 0"



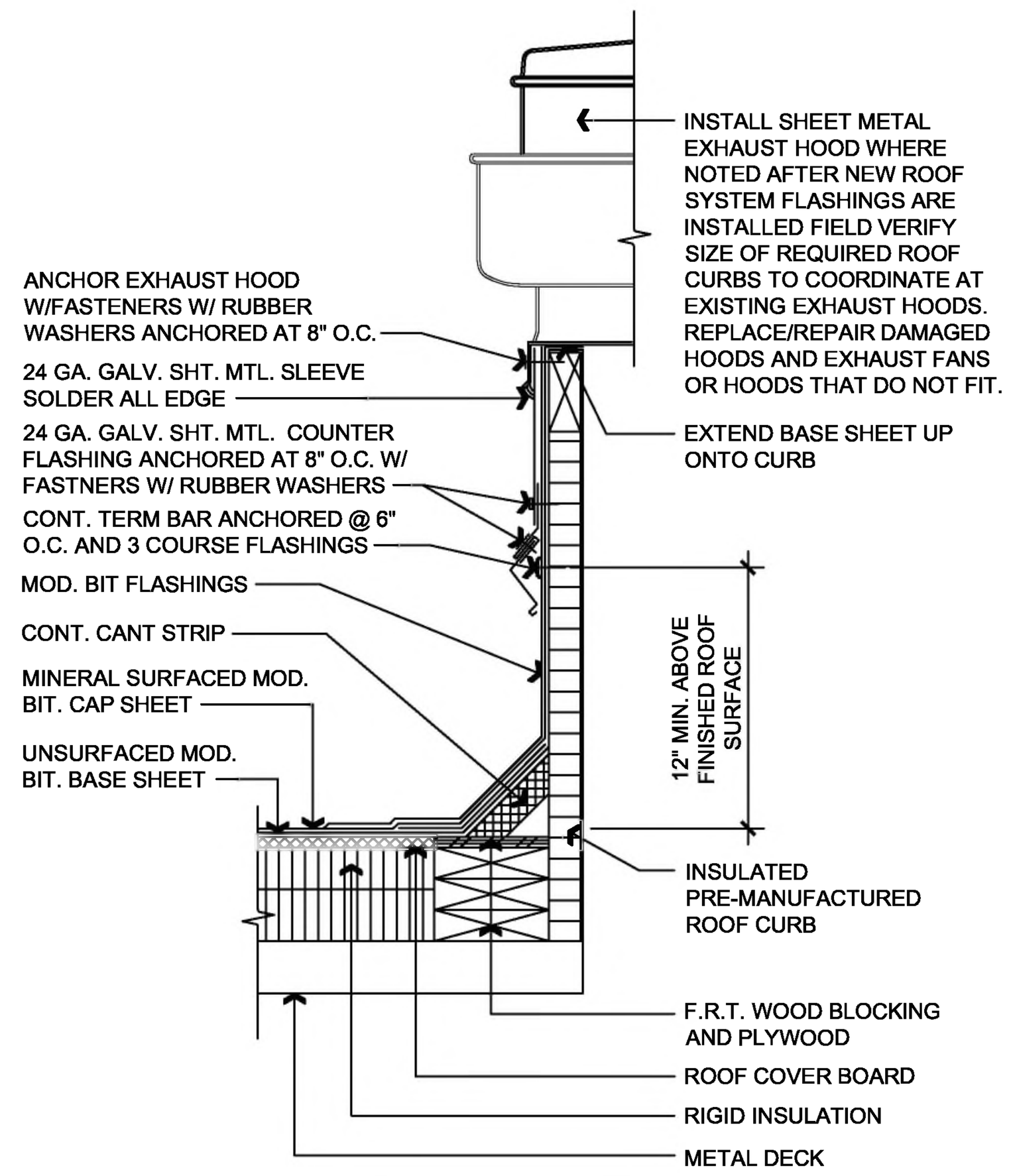
08 Axonometric Condensing Unit Detail
Scale: 1 1/2" = 1'-0"



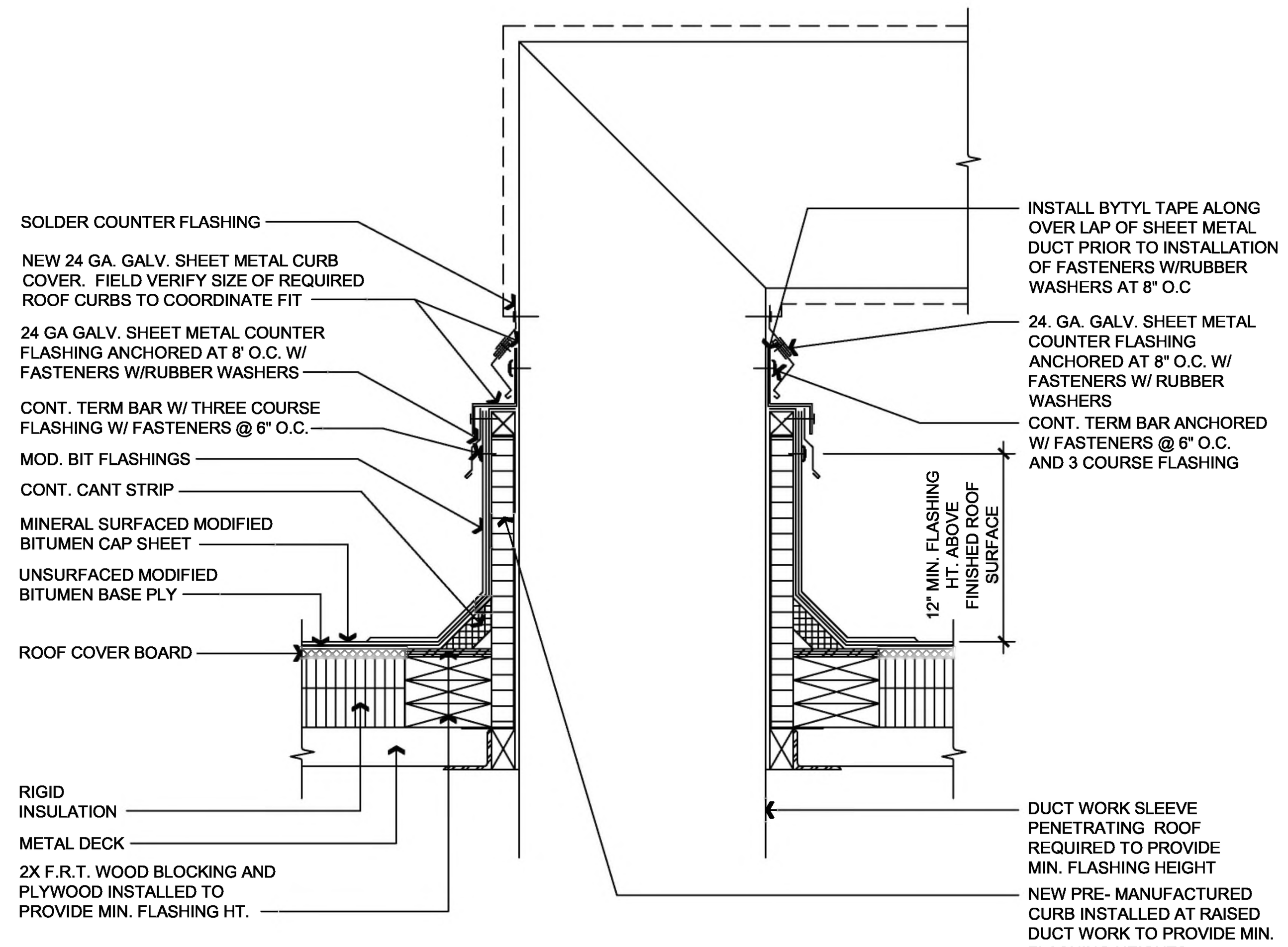
07 Condensing Unit Detail
Scale: 1 1/2" = 1'-0"



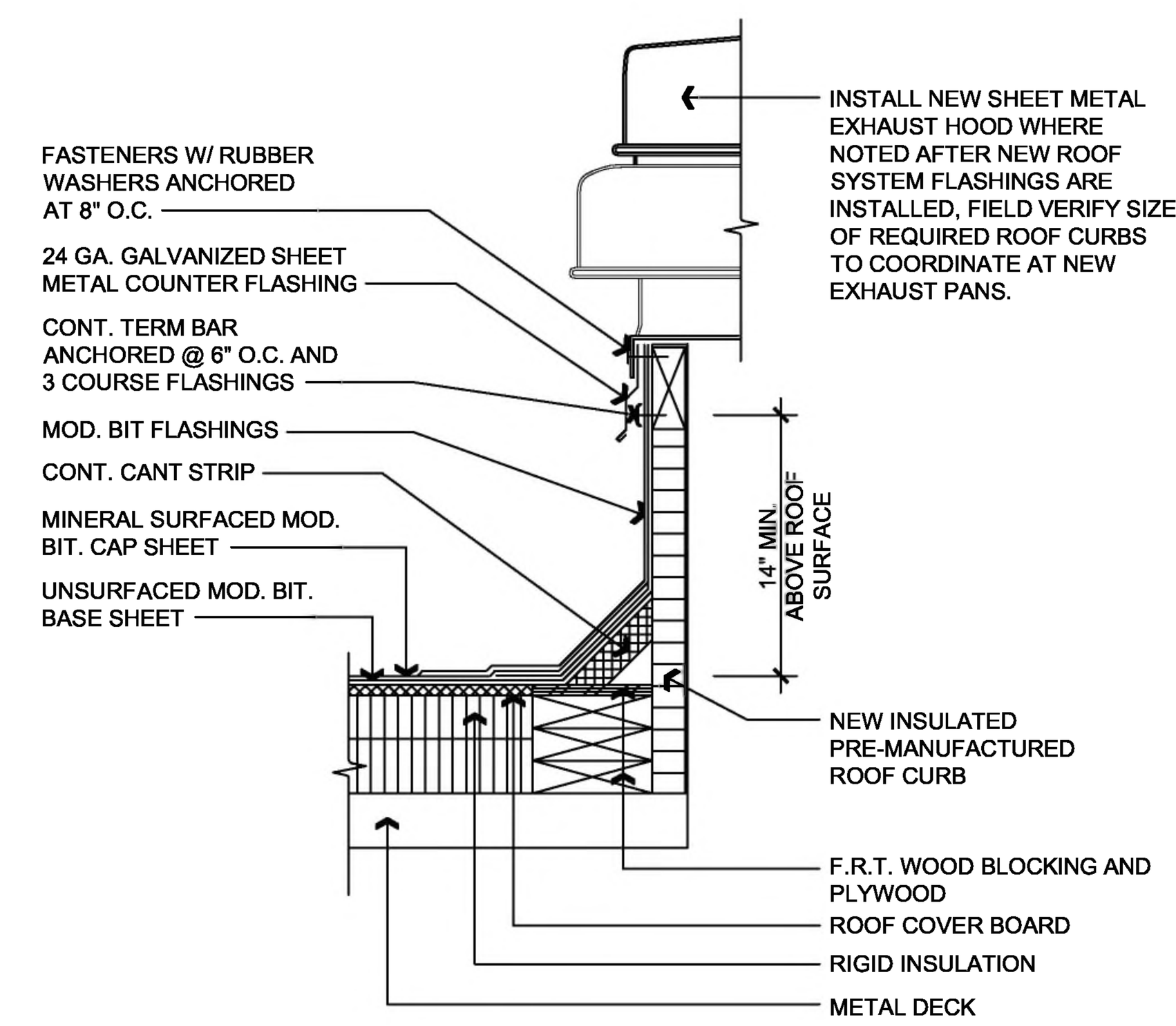
06 Multiple Pipe Penetration Detail (Vault)
Scale: 1 1/2" = 1' - 0"



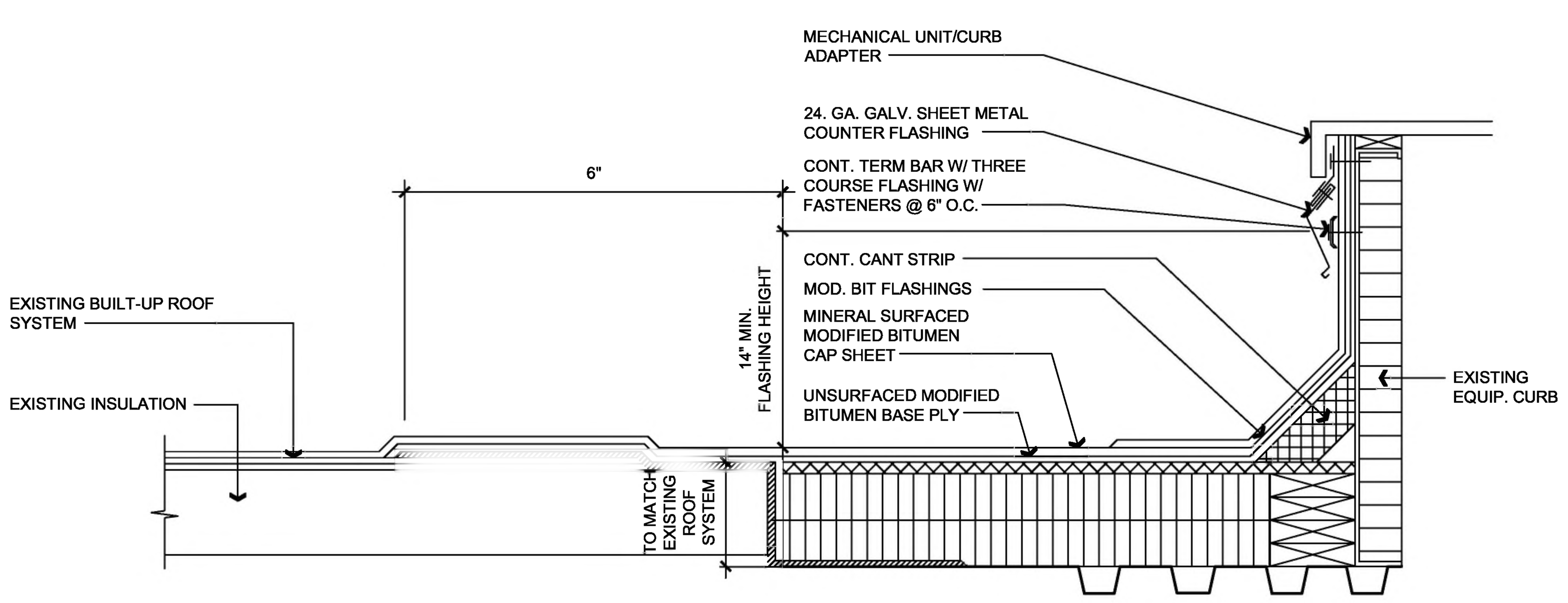
05 Exhaust Fan Detail
Scale: 1 1/2" = 1' - 0"



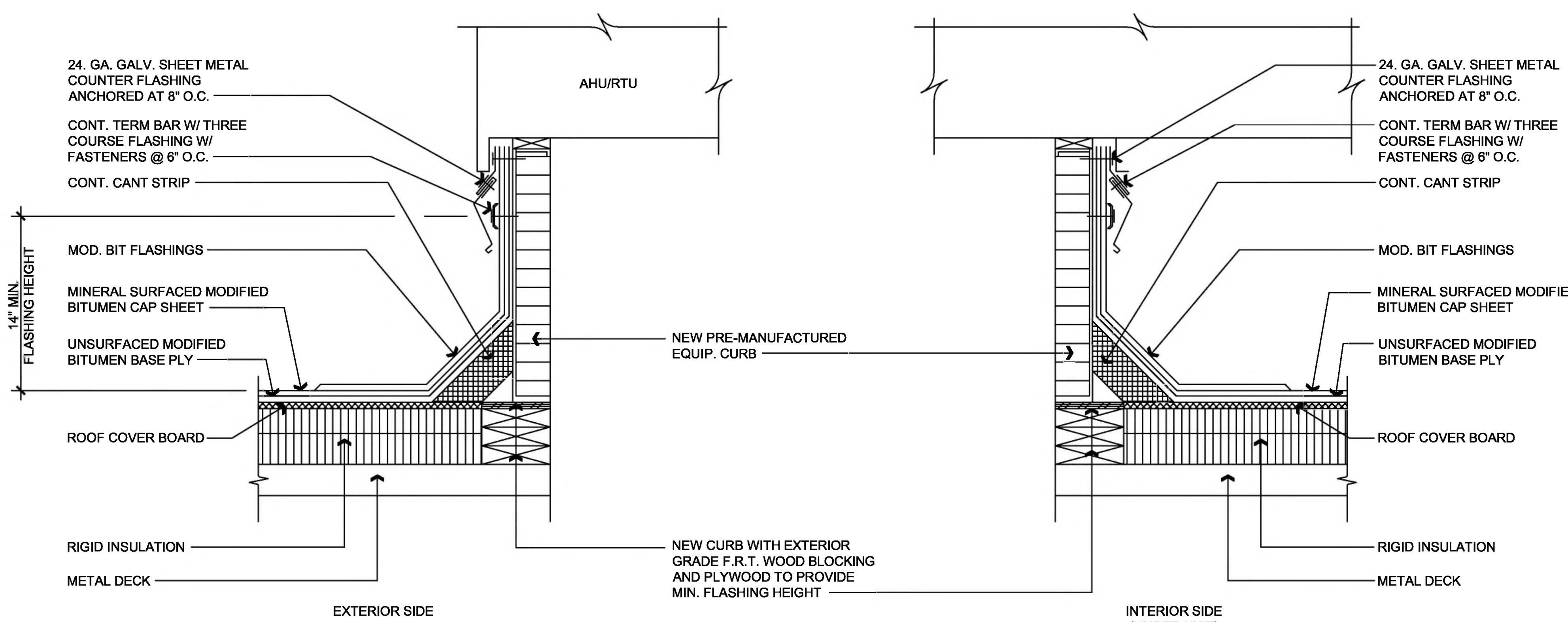
04 Duct Penetration Detail
Scale: 1 1/2" = 1' - 0"



03 Exhaust Fan Detail
Scale: 1 1/2" = 1' - 0"



02 Equipment Curb Detail at Tie in from New to Existing Roof
Scale: 1 1/2" = 1' - 0"



01 AHU/RTU Curb Detail
Scale: 1 1/2" = 1' - 0"

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SHEET TITLE
ROOF DETAILS

SHEET NUMBER
R2.00

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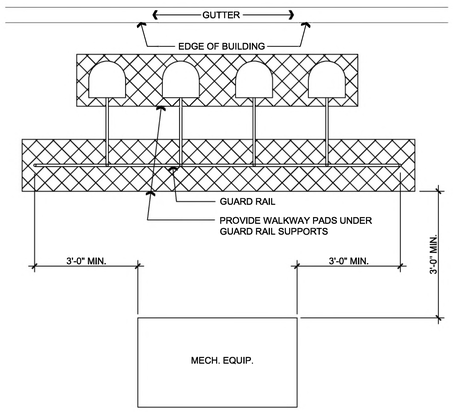
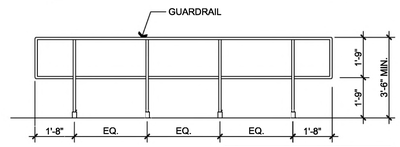


IN LIEU OF PENETRATING ROOF MEMBRANE WITH RAILING SUPPORTED FROM STRUCTURE BELOW, PROVIDE FREESTANDING KEEGUARD ROOF EDGE FALL PROTECTION SYSTEM THAT DOES NOT PENETRATE THE ROOF MEMBRANE. PROVIDE ROOF WALKWAY PADS UNDER BALANCE WEIGHTS.



FIELD VERIFY DIMENSIONS AS REQUIRED BY MANUFACTURER FOR SPACING OF BALLASTED RAILING

10 Guard Rail Detail
Scale: 3/8" = 1' - 0"

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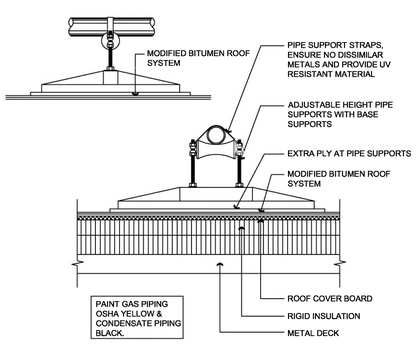
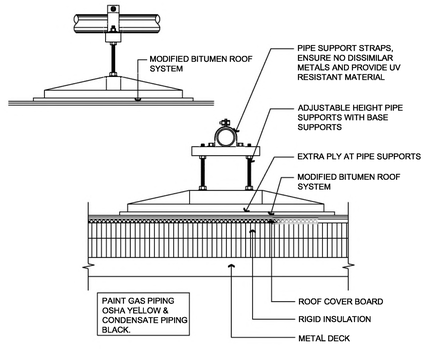
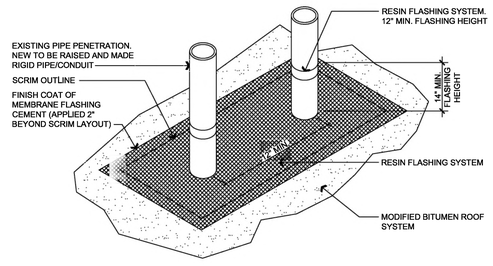


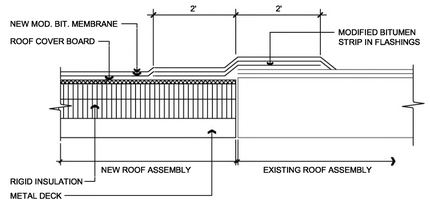
09 Gas Pipe Support Detail
Scale: 1 1/2" = 1' - 0"



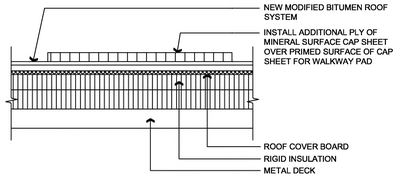
08 Pipe/Conduit Support Detail
Scale: 1 1/2" = 1' - 0"



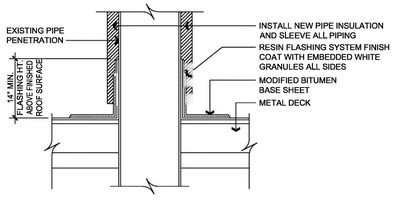
07 Liquid Flashing at Multiple Pipe Penetrations
Scale: N.T.S.



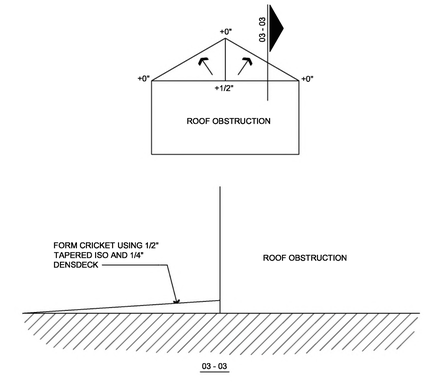
06 Roof Repair Detail
Scale: 1 1/2" = 1' - 0"



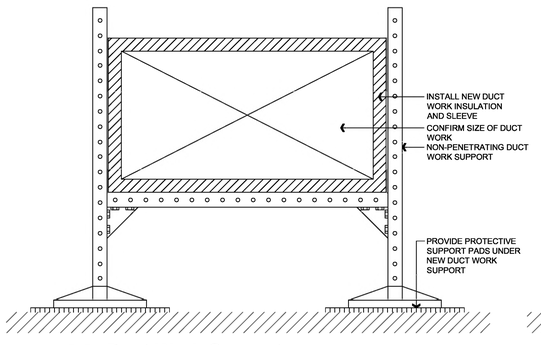
05 Walkway Pad Detail
Scale: 1 1/2" = 1' - 0"



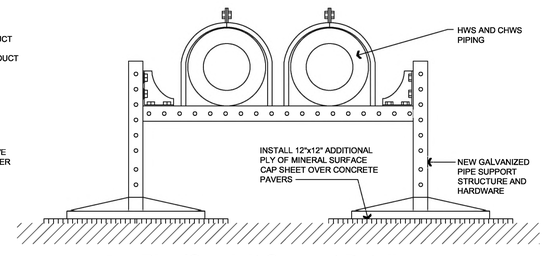
04 Insulated Pipe Detail
Scale: 1 1/2" = 1' - 0"



03 Cricket Detail
Scale: N.T.S.



02 Duct Work Support
Scale: N.T.S.



01 Pipe/Conduit Support Detail
Scale: N.T.S.

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kirksey.com

DRYTEC
Moisture Protection Technology Consultants

REGISTERED ARCHITECT 14150 STATE OF TEXAS

Date of signing: 11-11-24

	DATE	ISSUE
A	11 NOV 2024	100% Construction Documents

PROJECT NAME
Org 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS
6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

SHEET TITLE
ROOF DETAILS

SHEET NUMBER
R2.01

8/14/2024 5:07:08 PM
Autodesk Docs://2023351 DISD Dade, McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt

1/8" = 1'-0"

LEVEL 1 RCP - AREA A | B5

KEY NOTES

R.07	ALTERNATE #4: REPLACEMENT OF LIGHT FIXTURES IN CLASSROOMS AND OFFICES.

SHEET NOTES

1. ALL LIGHTS SHOWN ON SHEET REPRESENT BOTH BASE BID AND ALTERNATE WORK. REFER TO ALTERNATE DESCRIPTION AND MEP SHEETS FOR ADDITIONAL INFO.
2. REFER TO PROJECT INFORMATION SHEET FOR LEGEND OF REFERENCE SYMBOLS AND OTHER GRAPHIC INDICATORS/SYMBOLS.
3. REFLECTED CEILING PLAN IS FOR LIGHTING LOCATION AND ARCHITECTURAL NOTES ONLY. REFER TO ENGINEER'S ELECTRICAL LIGHTING PLAN FOR SWITCHING, CIRCUITING AND SPECIFICATIONS.
4. REFER TO ENGINEERING PLANS FOR FIRE ALARMS, ADA VISUAL STROBES, SMOKE DETECTORS AND EXIT SIGN LOCATIONS. COMPLETE LIFE SAFETY SYSTEMS INSTALLATION AND TEXAS ACCESSIBILITY STANDARDS (TAS) REQUIREMENTS TO BE COORDINATED BY GENERAL CONTRACTOR. CONTACT ARCHITECT FOR APPROVAL OF LOCATIONS OF DEVICES INSTALLED IN GYPSUM DRYWALL CEILINGS AND/OR "PREMIUM" OR "UPGRADED" SPACES.
5. REFER TO MECHANICAL PLAN FOR SUPPLY REGISTERS AND RETURN AIR GRILLE LOCATIONS, UNLESS NOTED OTHERWISE.
6. ANY DISCREPANCIES BETWEEN THE ARCHITECTURAL REFLECTED CEILING PLAN, ENGINEER'S ELECTRICAL LIGHTING PLAN AND MECHANICAL PLAN TO BE BROUGHT TO ARCHITECT'S ATTENTION PRIOR TO PROCEEDING.
7. ALL LAMPS SHALL BE A CONSISTENT COLOR AND SHALL MATCH BUILDING STANDARD, UNLESS SPECIFIED OTHERWISE.
8. CENTER ALL DOWNLIGHTS AND WALL WASHERS IN CEILING TILE, UNLESS OTHERWISE NOTED OR DIMENSIONED ON PLAN.
9. NEW LIGHT SWITCHES SHALL BE GANGED IF MORE THAN ONE IS NOTED.
10. GENERAL CONTRACTOR SHALL PROVIDE SUBMITTALS AND SHOP DRAWINGS TO ARCHITECT FOR WRITTEN APPROVAL ON ALL EQUIPMENT, FIXTURES, LIGHTING DEVICES AND SPECIALTY ITEMS PROVIDED BY THE GENERAL CONTRACTOR PRIOR TO ORDERING.
11. LOCATION OF CEILING PENETRATIONS SUCH AS AIR DIFFUSERS, GRILLES, SLOTS, LIGHT FIXTURES, ETC. MAY BE SHOWN ON THIS REFLECTED CEILING PLAN.
12. WHERE DISCREPANCIES IN LOCATION OCCUR, THIS PLAN SHALL GOVERN. OBTAIN CLARIFICATIONS FOR ANY DISCREPANCIES.
13. ALL CEILING INTERRUPTIONS SUCH AS FURR DOWNS OR PARTITIONS SHOULD BE CHECKED AND THEIR CONSTRUCTABILITY CONFIRMED BEFORE ANY RELATED ELEMENTS ARE CONSTRUCTED. OBTAIN CLARIFICATION FROM THE ARCHITECT IF REQUIRED.
14. VERIFY ALL THERMOSTATS / LIFE SAFETY DEVICE LOCATIONS WITH THE ARCHITECT PRIOR TO ROUGH-IN. DEVICES SHALL NOT OCCUR ON WALLS WITH SPECIAL FINISHES OR AT THE CENTER OF ANY WALL.
15. PROTECT ALL ABOVE CEILING AREAS OPEN TO VIEW FROM LIGHT BLEEDING FROM SCHEDULED LIGHT FIXTURES. INTERIOR OF HVAC DIFFUSER AND SLOTS ARE TO BE PAINTED FLAT BLACK.
16. NEW CEILING TILE TO BE- 2X2 CEILING TILES, U.N.O.
17. STROBES AND THERMOSTATS TO BE CENTERED ON COLUMNS OR ABOVE SWITCHES OR BANK OF SWITCHES. LOCATE CENTERED ON COLUMNS OR WALL SEGMENTS 3'-0" WIDE OR LESS.
18. PROVIDE BLOCKING ABOVE CEILING AS REQUIRED FOR OVERHEAD PROJECTORS, OVERHEAD PROJECTION SCREENS, SECURITY CONTROLS.
19. L TRIM AT PERIMETER RETURN SLOT IN CEILING
20. CONCEALED SPRINKLER HEAD COVER PLATES IN FACTORY-APPLIED COATING TO MATCH ADJACENT CEILING FINISHES.
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22. ALL EXISTING CEILING TO REMAIN. U.N.O. GENERAL CONTRACTOR TO INDICATE IF NEW CEILING TILES ARE REQUIRED AND BE BROUGHT TO ARCHITECT'S ATTENTION.

Kirksey ARCHITECTURE

Dallas + Houston + Austin

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Dallas Texas 75207

214 522 1100

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AREA RESERVED FOR CITY OF DALLAS PERMIT STAMP

REGISTERED ARCHITECT HEATHER R. MACKEY 26916 STATE OF TEXAS

11 NOVEMBER 2024

	DATE	ISSUE
A	11 NOV 2024	100% Construction Documents

PROJECT NAME

ORG 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS

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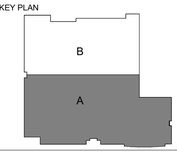
KIRKSEY PROJECT NO. 2023351

KEY PLAN



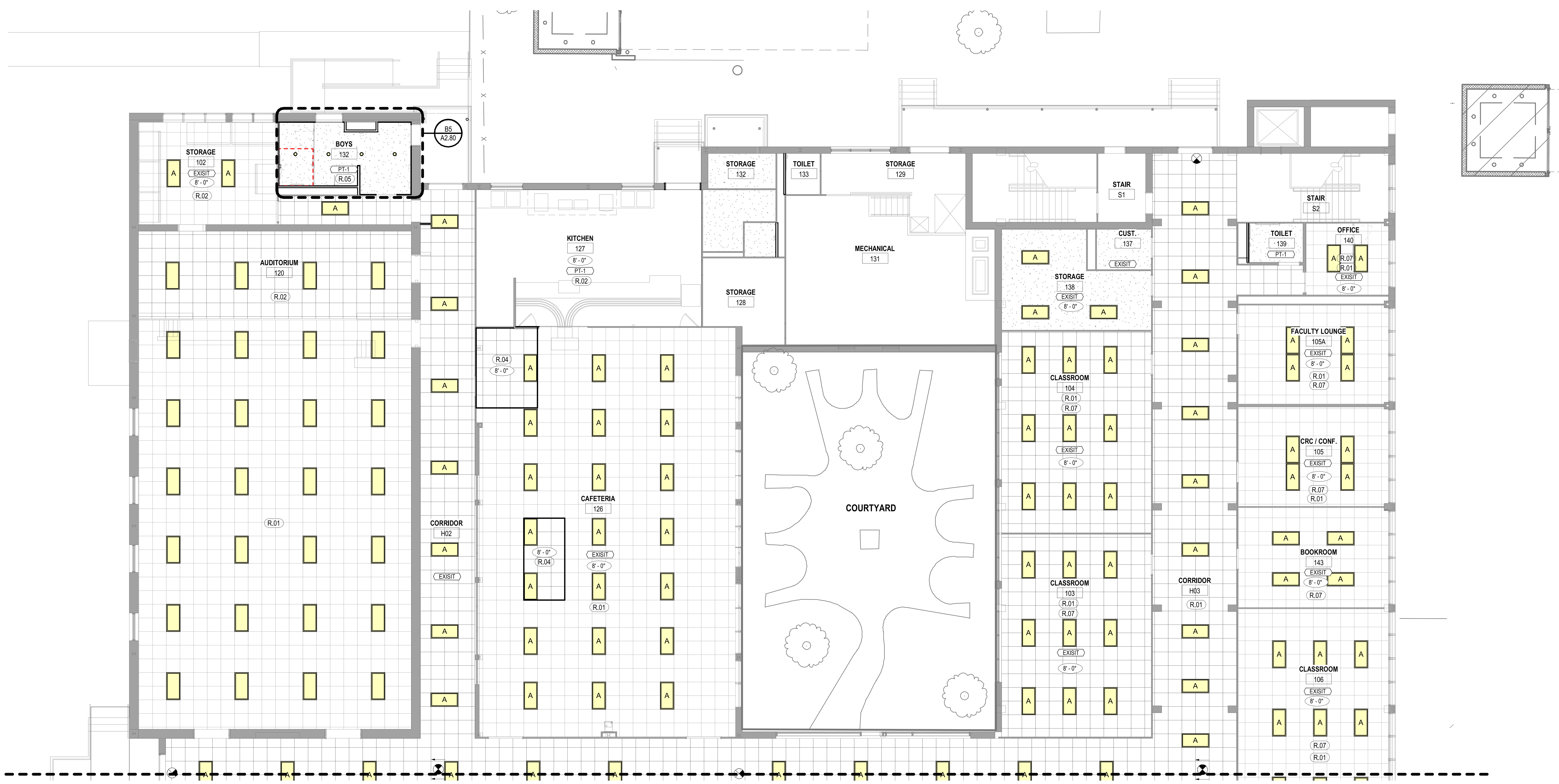
SHEET TITLE

REFELECTED CEILING PLAN FIRST FLOOR- AREA A

SHEET NUMBER

A2.41

11/20/2024 11:58:20 AM Autodesk Docs://2023351 DISD Dade, McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt



AREA RESERVED FOR CITY OF DALLAS PERMIT STAMP

1/8" = 1'-0"

LEVEL 1 RCP - AREA B | B5

KEY NOTES

- **R.01** EXISITING CEILING TO REMAIN.
- **R.02** EXISTING CEILING TO REMAIN. REPAIR WHERE DAMAGED AND MATCH EXISTING TEXTURE FOR CONSISTENT APPEARANCE. PAINT WITH SCHEDULED CEILING PAINT, PT-1
- **R.04** NEW CEILING GRID AND CEILING TILE TO MATCH EXISTING. TILE LAYOUT AS SHOWN.
- **R.05** NEW CEILING. PAINT WITH SCHEDULED CEILING PAINT, PT-1
- **R.07** ALTERNATE #4: REPLACEMENT OF LIGHT FIXTURES IN CLASSROOMS AND OFFICES.

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REGISTERED ARCHITECT · MATTHEW R. HEATON · 26916 · STATE OF TEXAS

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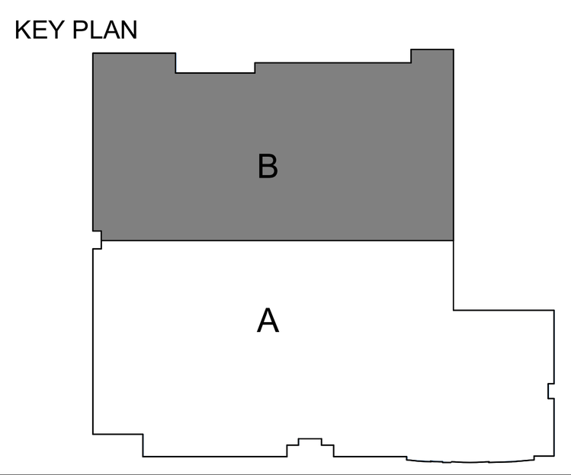
KIRKSEY PROJECT NO. 2023351

KEY PLAN



SHEET TITLE
REFELECTED CEILING PLAN FIRST FLOOR- AREA B

SHEET NUMBER
A2.42

11/20/2024 11:58:33 Autodesk Docs://2023351 DISD Dade, McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt

1/8" = 1'-0"

LEVEL 2 RCP - AREA A | B5

KEY NOTES

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REGISTERED ARCHITECT MATTHEW R. MCSHANE 26916 STATE OF TEXAS

11 NOVEMBER 2024

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PROJECT NAME

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PROJECT ADDRESS

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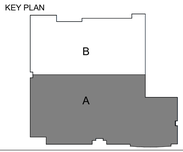
KIRKSEY PROJECT NO. 2023351

KEY PLAN



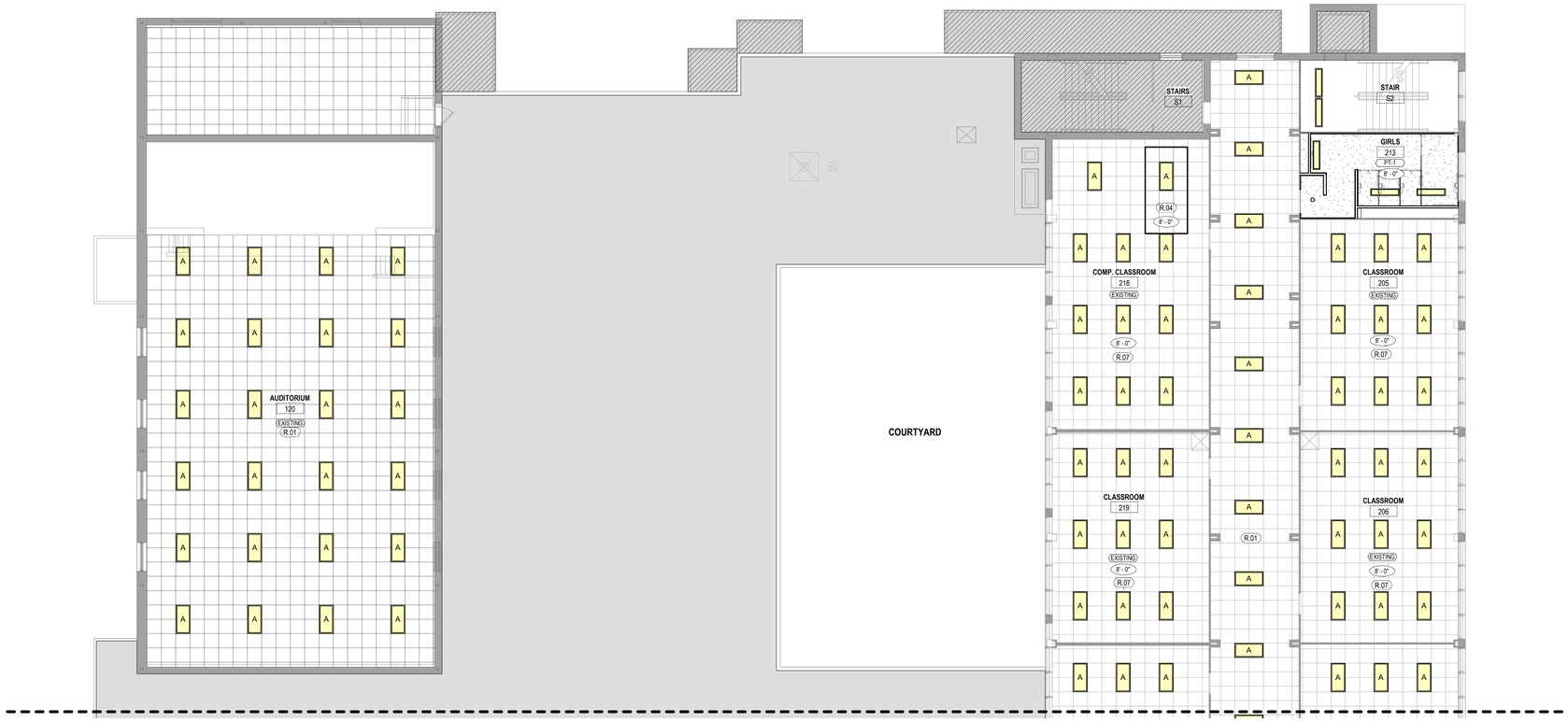
SHEET TITLE

REFELECTED CEILING PLAN SECOND FLOOR- AREA A

SHEET NUMBER

A2.43

11/20/2024 11:58:49 AM Autodesk Docs://2023351 DISD Dade, McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt



1/8" = 1'-0"

LEVEL 2 RCP - AREA B | B5

KEY NOTES

R.01	EXISITING CEILING TO REMAIN.
R.04	NEW CEILING GRID AND CEILING TILE TO MATCH EXISTING. TILE LAYOUT AS SHOWN.
R.07	ALTERNATE #4: REPLACEMENT OF LIGHT FIXTURES IN CLASSROOMS AND OFFICES.

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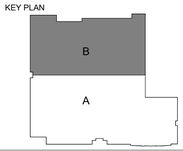

SHEET TITLE
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SHEET NUMBER
A2.44

11/20/2024 11:59:01 AM Autodesk Docs://2023351 DISD Dade_McShane_Polk Renovations/ARCH_2023351_C_Polk_2023.rvt

1/8" = 1'-0"

LEVEL 3 RCP- AREA A | B5

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15. PROTECT ALL ABOVE CEILING AREAS OPEN TO VIEW FROM LIGHT BLEEDING FROM SCHEDULED LIGHT FIXTURES. INTERIOR OF HVAC DIFFUSER AND SLOTS ARE TO BE PAINTED FLAT BLACK.
16. NEW CEILING TILE TO BE- 2X2 CEILING TILES, U.N.O.
17. STROBES AND THERMOSTATS TO BE CENTERED ON COLUMNS OR ABOVE SWITCHES OR BANK OF SWITCHES. LOCATE CENTERED ON COLUMNS OR WALL SEGMENTS 3'-0" WIDE OR LESS.
18. PROVIDE BLOCKING ABOVE CEILING AS REQUIRED FOR OVERHEAD PROJECTORS, OVERHEAD PROJECTION SCREENS, SECURITY CONTROLS.
19. L TRIM AT PERIMETER RETURN SLOT IN CEILING
20. CONCEALED SPRINKLER HEAD COVER PLATES IN FACTORY-APPLIED COATING TO MATCH ADJACENT CEILING FINISHES.
21. FOR GYPSUM DRYWALL CEILINGS, REFER TO SPECIFICATIONS FOR CONTROL JOINT REQUIREMENTS. PROVIDE SHOP DRAWINGS PER SPECS, INCLUDING PROPOSED LOCATIONS, TO ARCHITECT FOR REVIEW/COMMENT PRIOR TO INSTALLATION.
22. ALL EXISTING CEILING TO REMAIN. U.N.O. GENERAL CONTRACTOR TO INDICATE IF NEW CEILING TILES ARE REQUIRED AND BE BROUGHT TO ARCHITECT'S ATTENTION.

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11 NOVEMBER 2024

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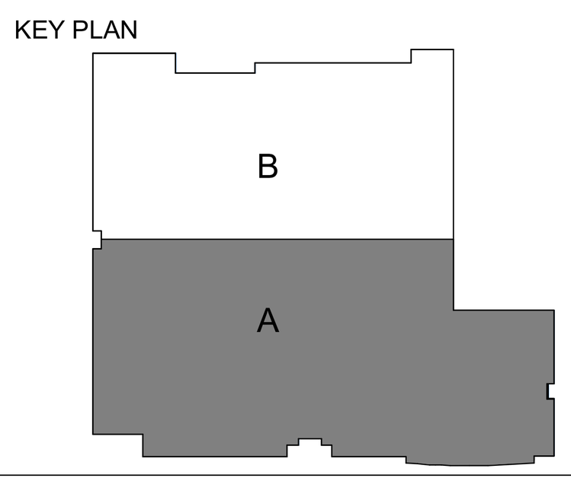
PROJECT NAME
ORG 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS
6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN



SHEET TITLE
REFELECTED CEILING PLAN THIRD FLOOR- AREA A

SHEET NUMBER
A2.45

11/20/2024 11:59:14 AM Autodesk Docs://2023351 DISD Dade, McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt

1/8" = 1'-0"

LEVEL 3 RCP- AREA B | B5

KEY NOTES

#.##	
R.04	NEW CEILING GRID AND CEILING TILE TO MATCH EXISTING. TILE LAYOUT AS SHOWN.
R.05	NEW CEILING. PAINT WITH SCHEDULED CEILING PAINT, PT-1
R.07	ALTERNATE #4: REPLACEMENT OF LIGHT FIXTURES IN CLASSROOMS AND OFFICES.

SHEET NOTES

1. ALL LIGHTS SHOWN ON SHEET REPRESENT BOTH BASE BID AND ALTERNATE WORK. REFER TO ALTERNATE DESCRIPTION AND MEP SHEETS FOR ADDITIONAL INFO.
2. REFER TO PROJECT INFORMATION SHEET FOR LEGEND OF REFERENCE SYMBOLS AND OTHER GRAPHIC INDICATORS/SYMBOLS.
3. REFLECTED CEILING PLAN IS FOR LIGHTING LOCATION AND ARCHITECTURAL NOTES ONLY. REFER TO ENGINEER'S ELECTRICAL LIGHTING PLAN FOR SWITCHING, CIRCUITING AND SPECIFICATIONS.
4. REFER TO ENGINEERING PLANS FOR FIRE ALARMS, ADA VISUAL STROBES, SMOKE DETECTORS AND EXIT SIGN LOCATIONS. COMPLETE LIFE SAFETY SYSTEMS INSTALLATION AND TEXAS ACCESSIBILITY STANDARDS (TAS) REQUIREMENTS TO BE COORDINATED BY GENERAL CONTRACTOR. CONTACT ARCHITECT FOR APPROVAL OF LOCATIONS OF DEVICES INSTALLED IN GYPSUM DRYWALL CEILINGS AND/OR "PREMIUM" OR "UPGRADED" SPACES.
5. REFER TO MECHANICAL PLAN FOR SUPPLY REGISTERS AND RETURN AIR GRILLE LOCATIONS, UNLESS NOTED OTHERWISE.
6. ANY DISCREPANCIES BETWEEN THE ARCHITECTURAL REFLECTED CEILING PLAN, ENGINEER'S ELECTRICAL LIGHTING PLAN AND MECHANICAL PLAN TO BE BROUGHT TO ARCHITECT'S ATTENTION PRIOR TO PROCEEDING.
7. ALL LAMPS SHALL BE A CONSISTENT COLOR AND SHALL MATCH BUILDING STANDARD, UNLESS SPECIFIED OTHERWISE.
8. CENTER ALL DOWNLIGHTS AND WALL WASHERS IN CEILING TILE, UNLESS OTHERWISE NOTED OR DIMENSIONED ON PLAN.
9. NEW LIGHT SWITCHES SHALL BE GANGED IF MORE THAN ONE IS NOTED.
10. GENERAL CONTRACTOR SHALL PROVIDE SUBMITTALS AND SHOP DRAWINGS TO ARCHITECT FOR WRITTEN APPROVAL ON ALL EQUIPMENT, FIXTURES, LIGHTING DEVICES AND SPECIALTY ITEMS PROVIDED BY THE GENERAL CONTRACTOR PRIOR TO ORDERING.
11. LOCATION OF CEILING PENETRATIONS SUCH AS AIR DIFFUSERS, GRILLES, SLOTS, LIGHT FIXTURES, ETC. MAY BE SHOWN ON THIS REFLECTED CEILING PLAN.
12. WHERE DISCREPANCIES IN LOCATION OCCUR, THIS PLAN SHALL GOVERN. OBTAIN CLARIFICATIONS FOR ANY DISCREPANCIES.
13. ALL CEILING INTERRUPTIONS SUCH AS FURR DOWNS OR PARTITIONS SHOULD BE CHECKED AND THEIR CONSTRUCTABILITY CONFIRMED BEFORE ANY RELATED ELEMENTS ARE CONSTRUCTED. OBTAIN CLARIFICATION FROM THE ARCHITECT IF REQUIRED.
14. VERIFY ALL THERMOSTATS / LIFE SAFETY DEVICE LOCATIONS WITH THE ARCHITECT PRIOR TO ROUGH-IN. DEVICES SHALL NOT OCCUR ON WALLS WITH SPECIAL FINISHES OR AT THE CENTER OF ANY WALL.
15. PROTECT ALL ABOVE CEILING AREAS OPEN TO VIEW FROM LIGHT BLEEDING FROM SCHEDULED LIGHT FIXTURES. INTERIOR OF HVAC DIFFUSER AND SLOTS ARE TO BE PAINTED FLAT BLACK.
16. NEW CEILING TILE TO BE- 2X2 CEILING TILES, U.N.O.
17. STROBES AND THERMOSTATS TO BE CENTERED ON COLUMNS OR ABOVE SWITCHES OR BANK OF SWITCHES. LOCATE CENTERED ON COLUMNS OR WALL SEGMENTS 3'-0" WIDE OR LESS.
18. PROVIDE BLOCKING ABOVE CEILING AS REQUIRED FOR OVERHEAD PROJECTORS, OVERHEAD PROJECTION SCREENS, SECURITY CONTROLS.
19. L TRIM AT PERIMETER RETURN SLOT IN CEILING
20. CONCEALED SPRINKLER HEAD COVER PLATES IN FACTORY-APPLIED COATING TO MATCH ADJACENT CEILING FINISHES.
21. FOR GYPSUM DRYWALL CEILINGS, REFER TO SPECIFICATIONS FOR CONTROL JOINT REQUIREMENTS. PROVIDE SHOP DRAWINGS PER SPECS, INCLUDING PROPOSED LOCATIONS, TO ARCHITECT FOR REVIEW/COMMENT PRIOR TO INSTALLATION.
22. ALL EXISTING CEILING TO REMAIN. U.N.O. GENERAL CONTRACTOR TO INDICATE IF NEW CEILING TILES ARE REQUIRED AND BE BROUGHT TO ARCHITECT'S ATTENTION.

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PROJECT NAME

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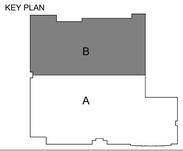
KIRKSEY PROJECT NO. 2023351

KEY PLAN



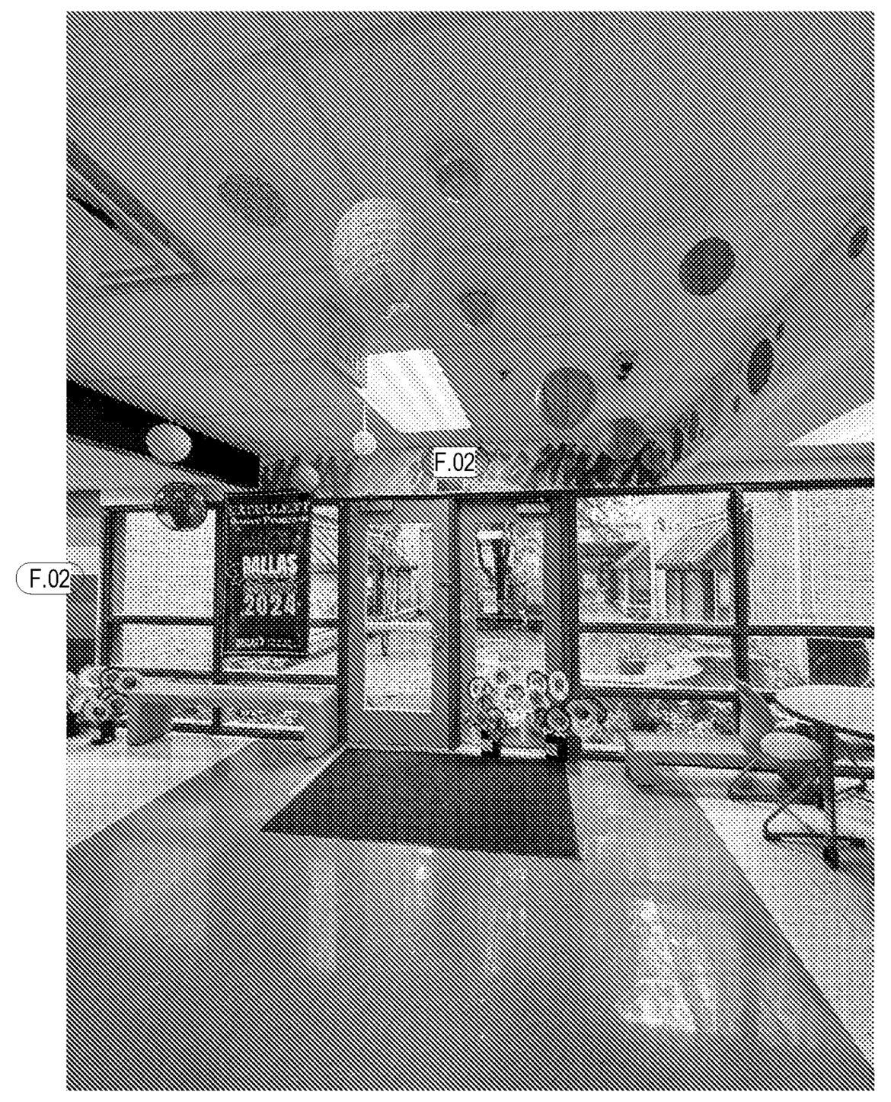
SHEET TITLE

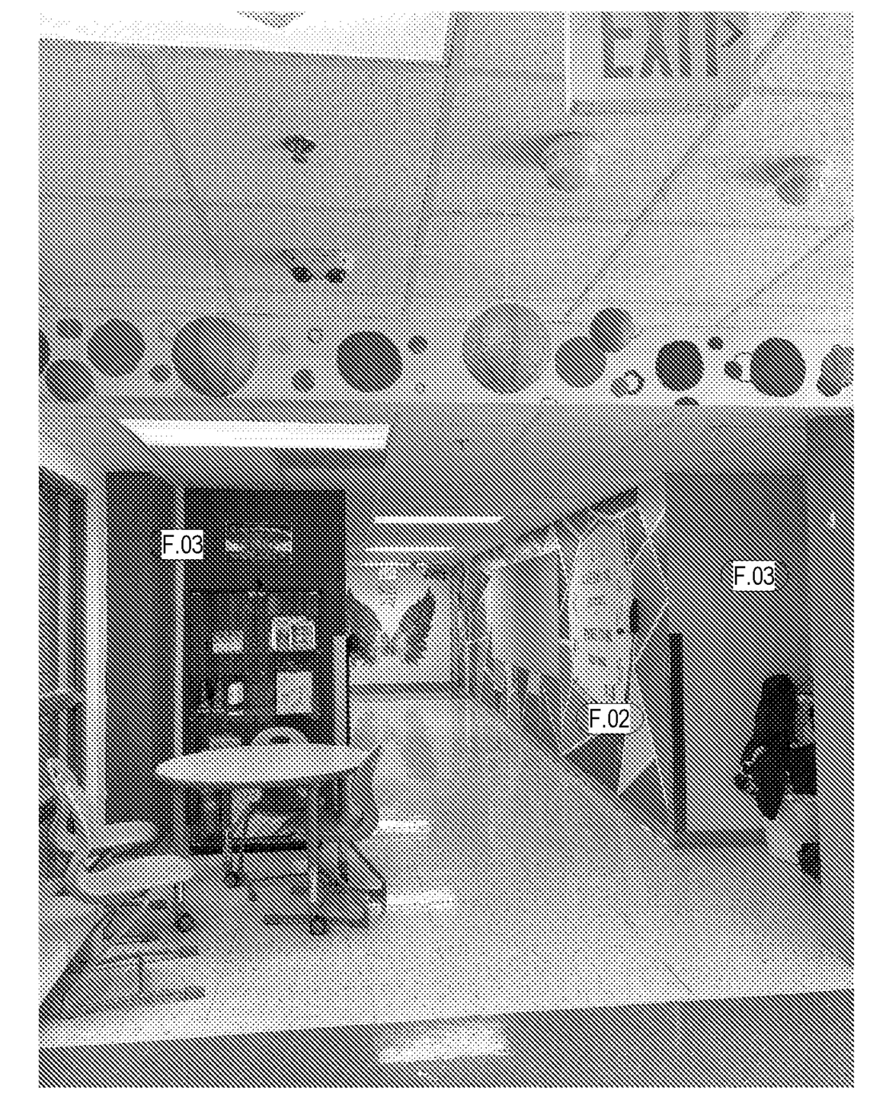
REFELECTED CEILING PLAN THIRD FLOOR- AREA B

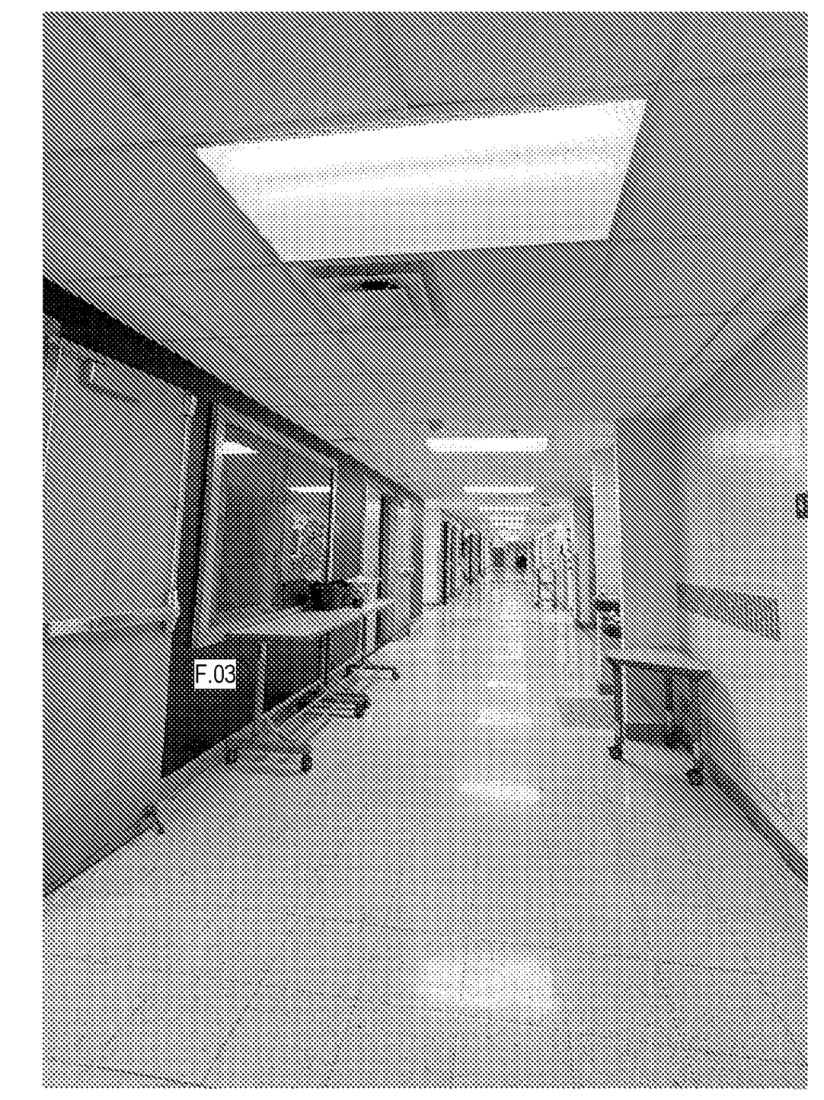
SHEET NUMBER

A2.46

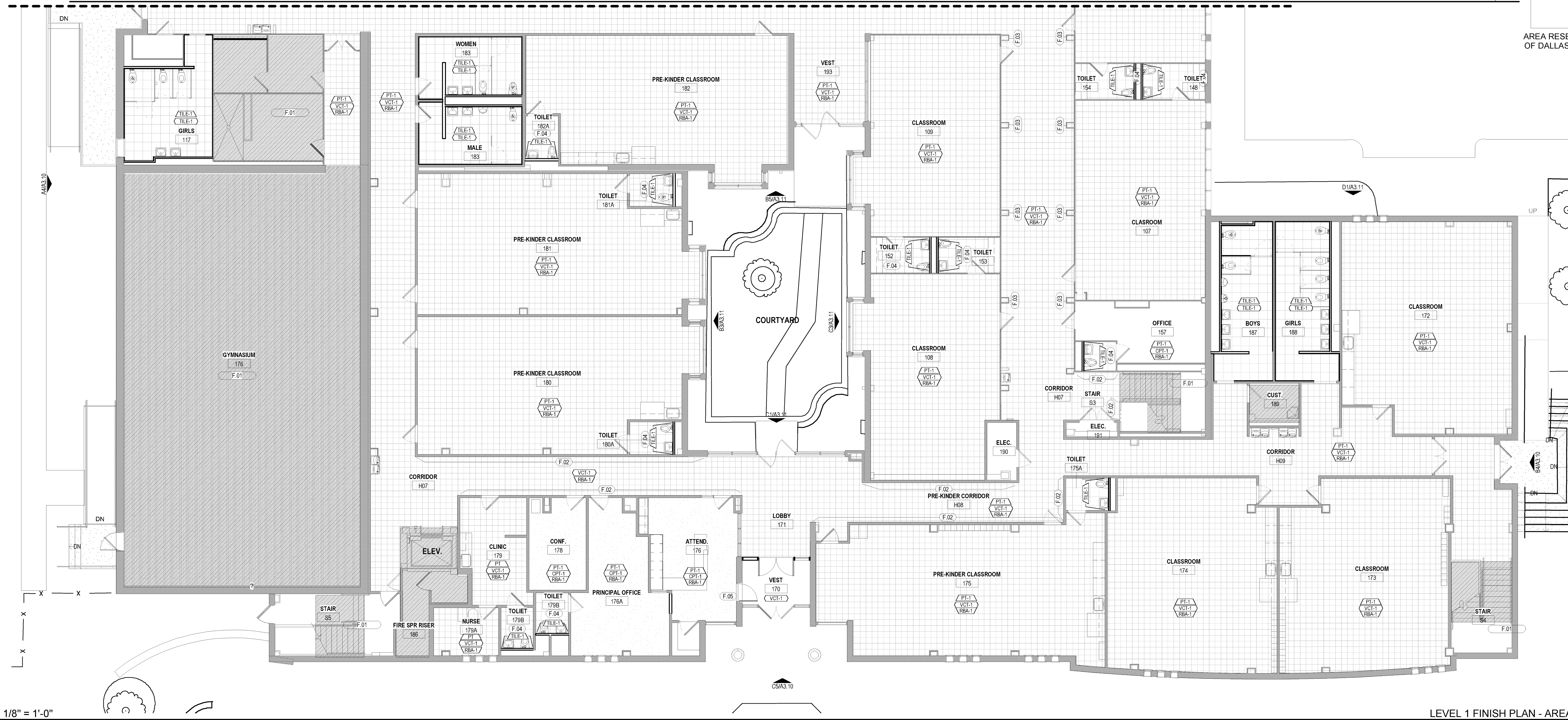
11/20/2024 11:59:23 AM Autodesk Docs://2023351 DISD Date_McIlhane_Polk Renovations/ARCH_2023351_C_Polk_2023.rvt







LEVEL 1 FINISHES - AREA A | 1



1/8" = 1'-0"

LEVEL 1 FINISH PLAN - AREA A | B5

LEGEND

NOT IN SCOPE

KEY NOTES

F.01	NO WORK IN THIS AREA.
F.02	EXISTING MURAL TO REMAIN.
F.03	ALTERNATE #1: MATCH EXISTING PAINT.
F.04	EXISTING FLOORING TO REMAIN.
F.05	CONTINUE SCHEDULED FLOORING BENEATH MILLWORK AND/OR EQUIPMENT WHERE OPEN TO FLOOR. RE: MILLWORK SHOP DRAWINGS.

SHEET NOTES

1. REFER TO MASTER SCHEDULE FOR FINISH AND PRODUCT 'BASIS OF DESIGN'.
2. ALL WALLS TO BE PT-1, UNLESS NOTED OTHERWISE.
3. ALL BASE TO BE RBA-1, UNLESS NOTED OTHERWISE.
4. ALL FLOORS TO BE VCT-1, UNLESS NOTED OTHERWISE.
5. TRANSITION BETWEEN TWO DISSIMILAR FLOOR FINISHES IS TO OCCUR AT THE CENTERLINE OF DOOR OR CASED OPENING, UNLESS OTHERWISE NOTED.
6. FLOAT FLOOR TO INSURE TOP OF FINISHES ARE FLUSH.
7. ALL REVEALS TO BE PAINTED TO MATCH ADJACENT WALLS, UNLESS OTHERWISE NOTED.
8. ALL MURALS TO REMAIN AND BE PROTECTED. ALL MURAL LOCATIONS HAVE BEEN IDENTIFIED TO THE BEST OF OUR KNOWLEDGE. CONTRACTOR TO NOTIFY ARCHITECT OF ANY MURALS OBSERVED ONSITE AND NOT IDENTIFIED IN DRAWINGS.

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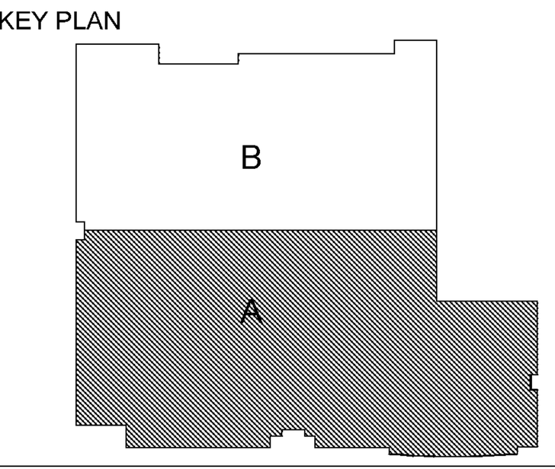

SHEET TITLE

FIRST FLOOR FINISH PLAN - AREA A

SHEET NUMBER

A2.61

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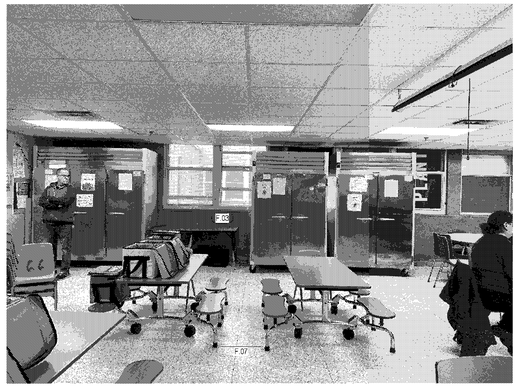
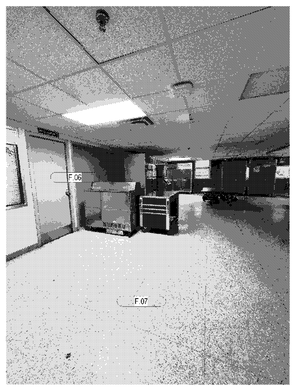
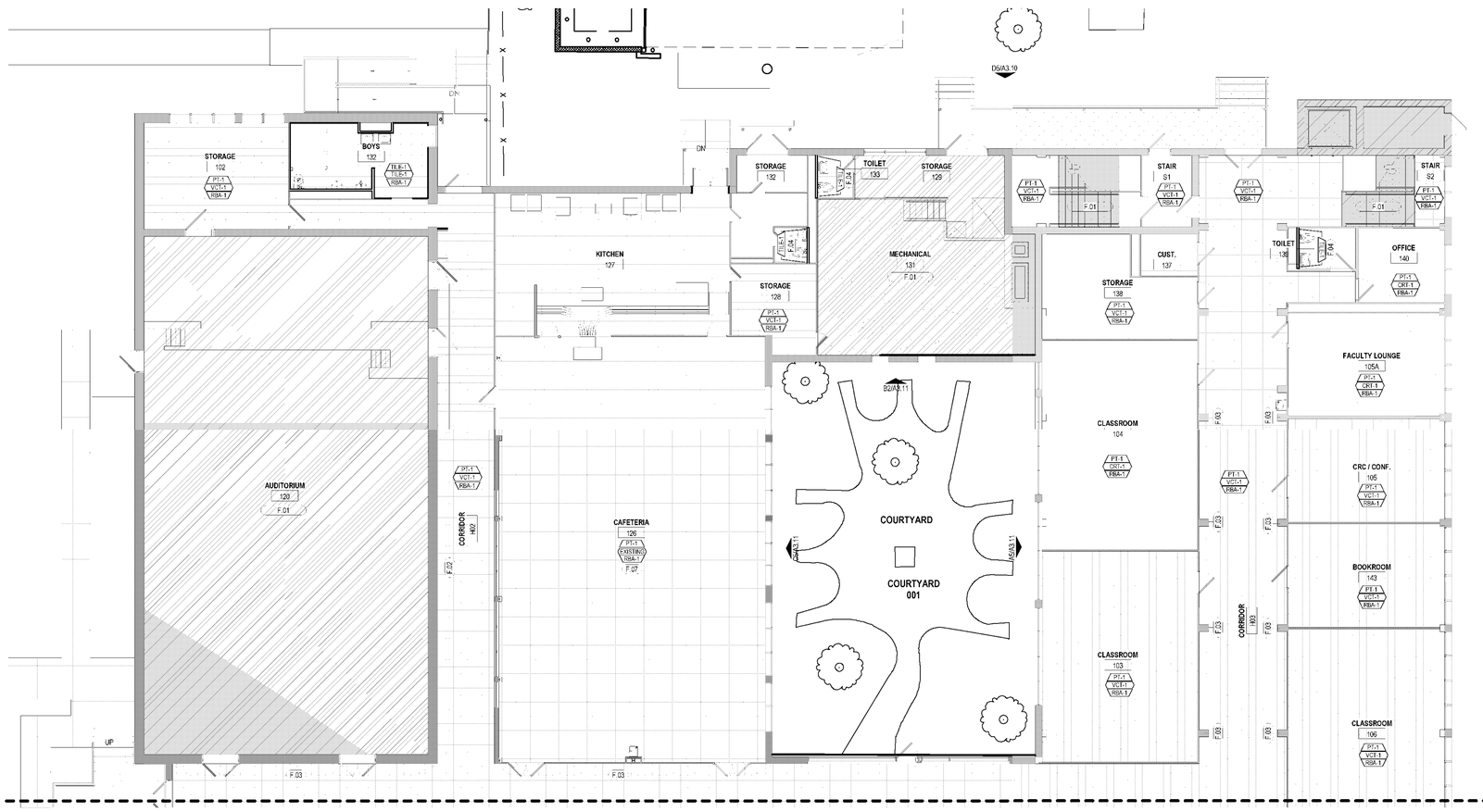




LEVEL 1 FINISHED IMAGES - AREA B Copy 1 | 1



1/8" = 1'-0"

LEVEL 1 FINISH PLAN - AREA B | B5

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LEGEND

NOT IN SCOPE

#.## KEY NOTES

F.01 NO WORK IN THIS AREA.
F.02 EXISTING MURAL TO REMAIN.
F.03 ALTERNATE #1: MATCH EXISTING PAINT.
F.04 EXISTING FLOORING TO REMAIN.
F.06 PREPARE AND PAINT EXISTING DOOR AND FRAME; PT-XX.
F.07 EXISTING TERRAZO FLOORING TO BE CLEANED AND POLISHED. ANY CRACKS OR CHIPS/DIVOTS LARGER THAN 2" DIAMETER TO BE FILLED, SMOOTHED, AND POLISHED.

SHEET NOTES

1. REFER TO MASTER SCHEDULE FOR FINISH AND PRODUCT 'BASIS OF DESIGN'.
2. ALL WALLS TO BE PT-1, UNLESS NOTED OTHERWISE.
3. ALL BASE TO BE RBA-1, UNLESS NOTED OTHERWISE.
4. ALL FLOORS TO BE VCT-1, UNLESS NOTED OTHERWISE.
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7. ALL REVEALS TO BE PAINTED TO MATCH ADJACENT WALLS, UNLESS OTHERWISE NOTED.
8. ALL MURALS TO REMAIN AND BE PROTECTED. ALL MURAL LOCATIONS HAVE BEEN IDENTIFIED TO THE BEST OF OUR KNOWLEDGE. CONTRACTOR TO NOTIFY ARCHITECT OF ANY MURALS OBSERVED ONSITE AND NOT IDENTIFIED IN DRAWINGS.

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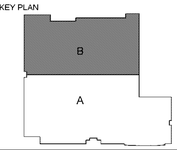
KIRKSEY PROJECT NO. 2023351

KEY PLAN



SHEET TITLE

FIRST FLOOR FINISH PLAN - AREA B

SHEET NUMBER

A2.62

11/20/2024 12:00:08 Autodesk Docs://2023351 DISD Distr. McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt PM

1/8" = 1'-0"

LEVEL 2 FINISH PLAN - AREA A | B5

LEGEND

NOT IN SCOPE

KEY NOTES

F.02 EXISTING MURAL TO REMAIN.

F.03 ALTERNATE #1: MATCH EXISTING PAINT.

SHEET NOTES

1. REFER TO MASTER SCHEDULE FOR FINISH AND PRODUCT 'BASIS OF DESIGN'.
2. ALL WALLS TO BE PT-1, UNLESS NOTED OTHERWISE.
3. ALL BASE TO BE RBA-1, UNLESS NOTED OTHERWISE.
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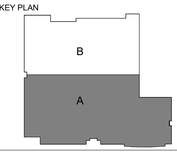
KEY PLAN



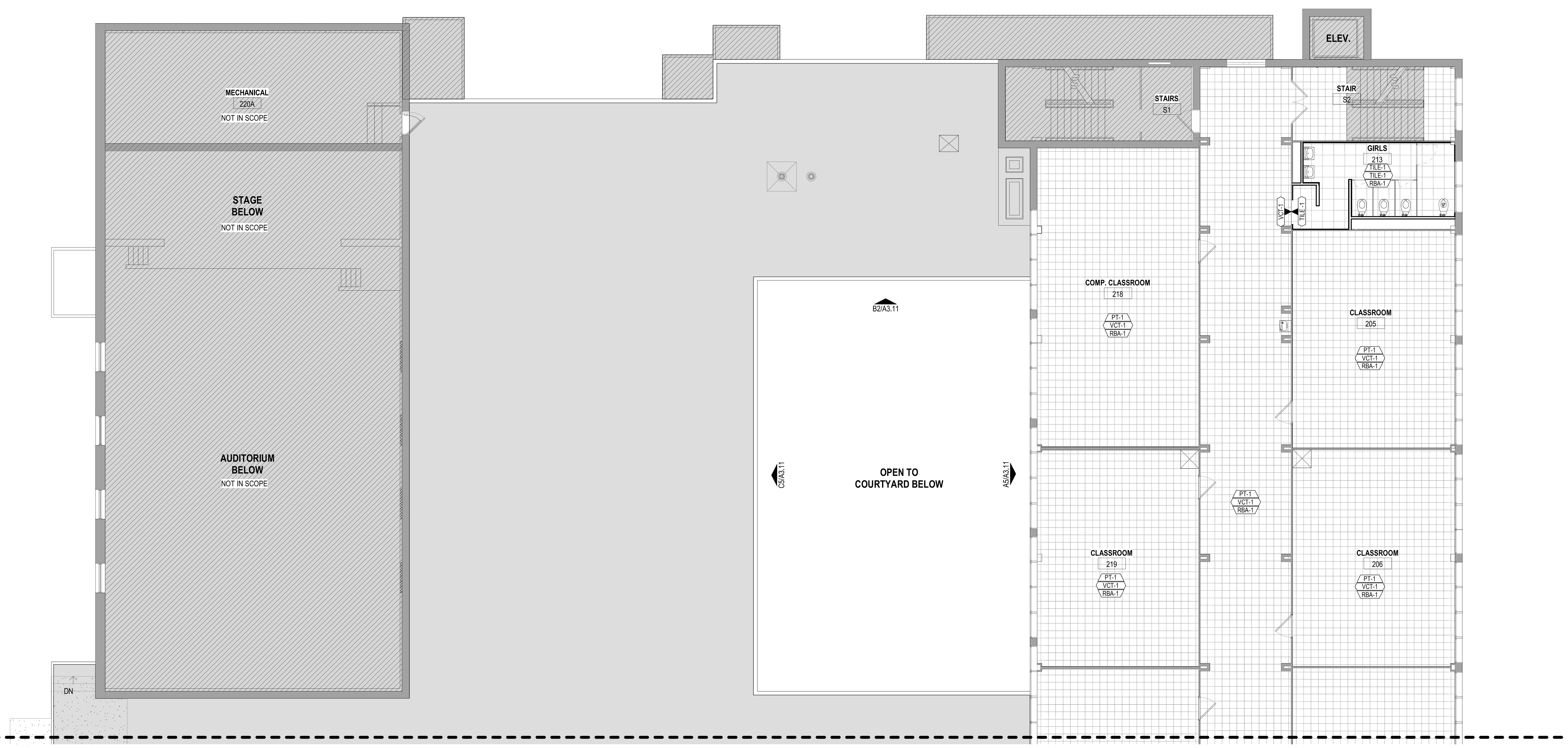
SHEET TITLE

SECOND FLOOR FINISH PLAN - AREA A

SHEET NUMBER

A2.63

11/20/2024 12:00:33 Autodesk Docs://2023351 DISD Dade, McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt PM



1/8" = 1'-0"

LEVEL 2 FINISH PLAN - AREA B | B5

LEGEND

NOT IN SCOPE

KEY NOTES

SHEET NOTES

1. REFER TO MASTER SCHEDULE FOR FINISH AND PRODUCT 'BASIS OF DESIGN'.
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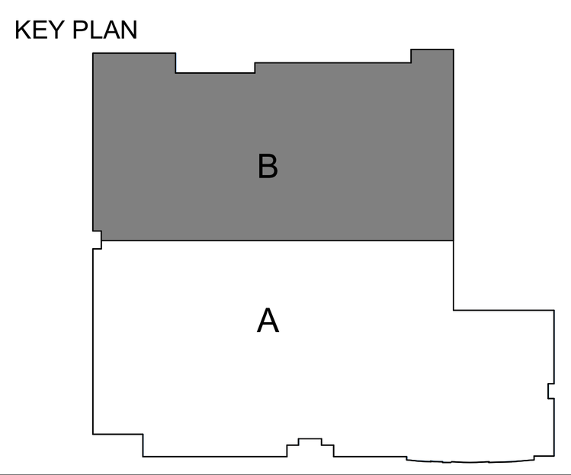

SHEET TITLE
SECOND FLOOR FINISH PLAN - AREA B

SHEET NUMBER
A2.64

11/20/2024 12:00:43 PM Autodesk Docs://2023351 DISD Dade, McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt

1/8" = 1'-0"

LEVEL 3 FINISH PLAN - AREA A | B5

LEGEND

NOT IN SCOPE

KEY NOTES

F.02 EXISTING MURAL TO REMAIN.

SHEET NOTES

1. REFER TO MASTER SCHEDULE FOR FINISH AND PRODUCT 'BASIS OF DESIGN'.
2. ALL WALLS TO BE PT-1, UNLESS NOTED OTHERWISE.
3. ALL BASE TO BE RBA-1, UNLESS NOTED OTHERWISE.
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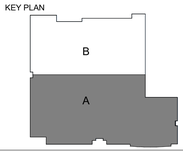


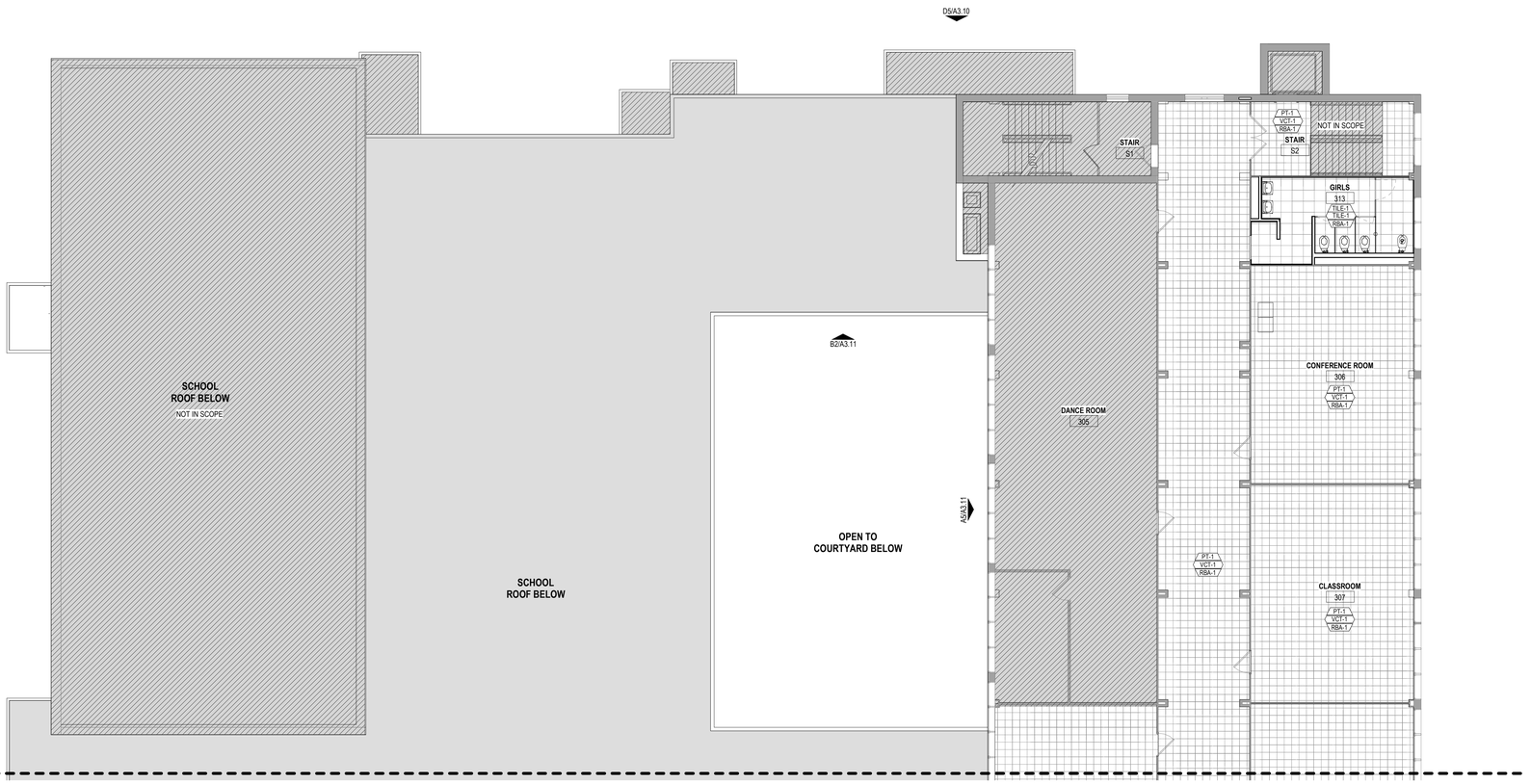
SHEET TITLE

THIRD FLOOR FINISH PLAN - AREA A

SHEET NUMBER

A2.65

11/20/2024 12:00:57 PM Autodesk Docs://2023351.DISD Dade, McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt



1/8" = 1'-0"

LEVEL 3 FINISH PLAN -AREA B | B5

KEY NOTES

SHEET NOTES

1. REFER TO MASTER SCHEDULE FOR FINISH AND PRODUCT 'BASIS OF DESIGN'.
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3. ALL BASE TO BE RBA-1, UNLESS NOTED OTHERWISE.
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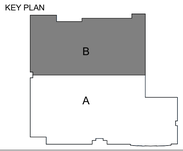
KIRKSEY PROJECT NO. 2023351

KEY PLAN



SHEET TITLE

THIRD FLOOR FINISH PLAN - AREA B

SHEET NUMBER

A2.66

11/20/2024 12:01:07 PM Autodesk Docs://2023351 DISD Dade, McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt

KEY NOTES

P.04	EXISTING EQUITMENT PROVIDED BY OWNER.
PW.01	MASTER PANEL : PROVIDE PATHWAY FOR INTERCOM MASTER PANEL. VERIFY LOCATION WITH ARCHITECT & AV CONSULTANT PRIOR TO INSTALLATION. COORDINATE WITH ELEVATION.
PW.02	DESK: PROVIDE POWER AND DATA CONNECTION TO RECEPTION DESK. COORDINATION CONNECTION REQUIREMENTS. PROVIDE EQUIVALENT OF (2) DATA DROP.
PW.03	CAMERA: PROVIDE POWER AND FIRE RETARDANT TREATED BLOCKING IN WALL / CEILING AS REQUIRED FOR AV CAMERA. REFER TO AV PACKAGE FOR MORE INFORMATION.
PW.04	CONNECTIONS: PROVIDE PATHWAY FOR PA CONNECTIONS. VERIFY LOCATION PRIOR TO INSTALATION.

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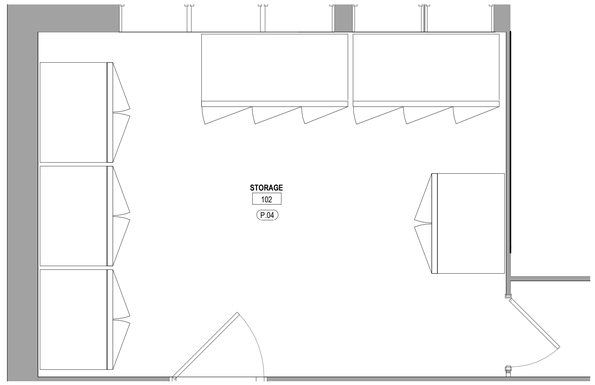
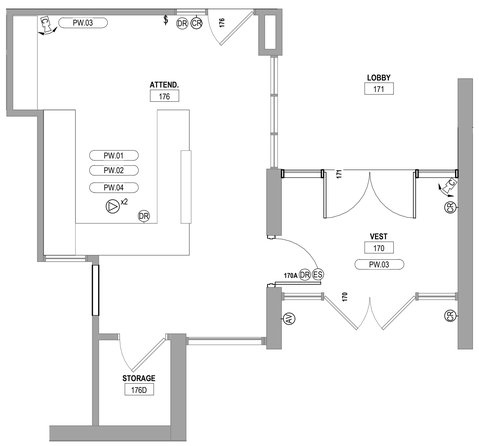
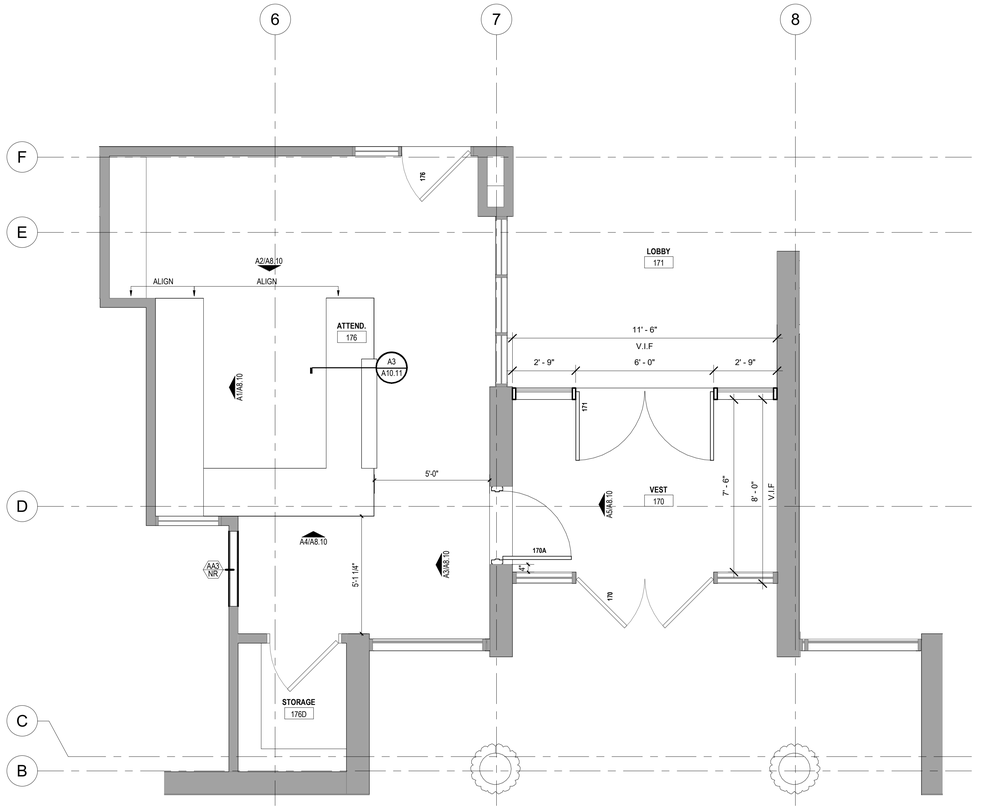


3/8" = 1'-0" KITCHEN REFRIGERATOR STORAGE | C5



1/4" = 1'-0" VEST. TO RECEPTION - POWER PLAN | A3



3/8" = 1'-0" VEST. TO RECEPTION ENLARGE PLAN | A5

Kirksey
ARCHITECTURE

Dallas + Houston + Austin

143 Manufacturing Street

Dallas Texas 75207

214 522 1100

kirksey.com

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REGISTERED ARCHITECT
HEATHER R. MCSHANE
26916
STATE OF TEXAS

11 NOVEMBER 2024

	DATE	ISSUE
A	11 NOV 2024	100% Construction Documents

PROJECT NAME

ORG 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS

6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE

ENLARGED PLANS

SHEET NUMBER

A2.70

11/20/2024 1:28:28 PM Autodesk Docs://2023351 DISD Dalls_McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt

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kirksey.com

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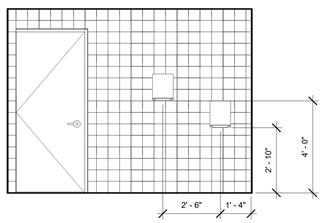
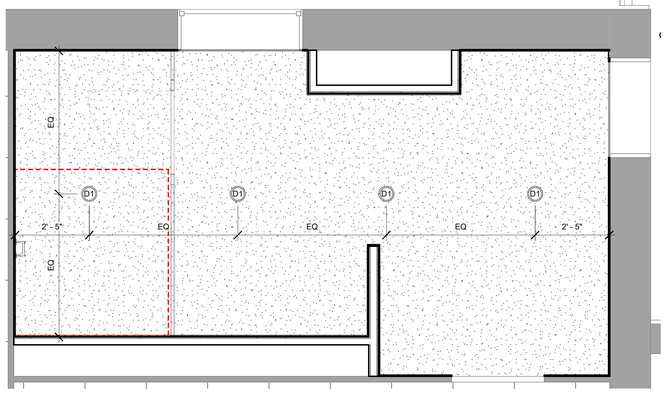
HEATHER R. MCSHANE
26916
STATE OF TEXAS

11 NOVEMBER 2024

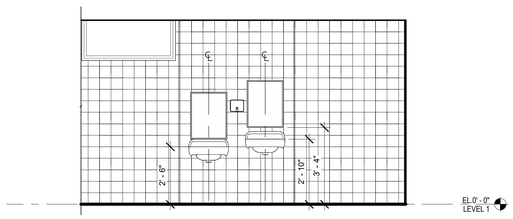
	DATE	ISSUE
A	11 NOV 2024	100% Construction Documents



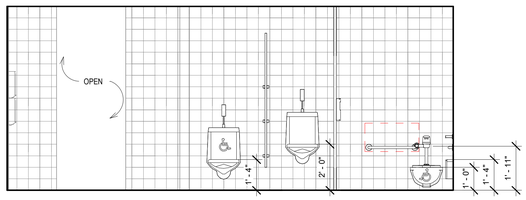
3/8" = 1'-0" BOY RR 132 - ELEVATION | B3



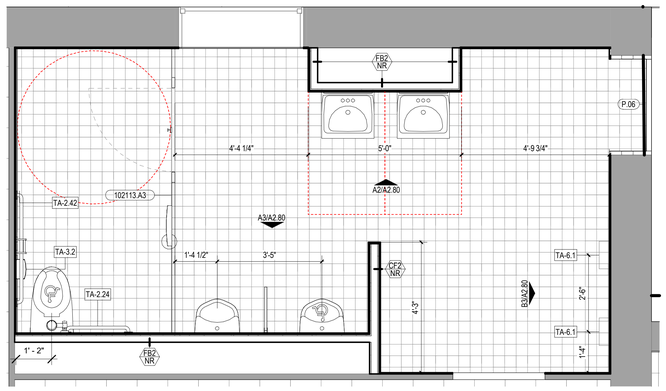
1/2" = 1'-0" LEVEL 1 BOYS RR - RCP | B5



3/8" = 1'-0" BOY RR 132 - SINK ELEVATION | A2



3/8" = 1'-0" BOY RR - TLT ELEVATION | A3



1/2" = 1'-0" LEVEL 1 BOYS RR 123 | A5

PROJECT NAME

ORG 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS

6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

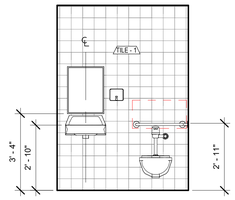
SHEET TITLE

ENLARGED TOILETROOM PLANS - BASE BID

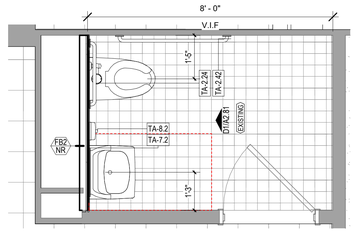
SHEET NUMBER

A2.80

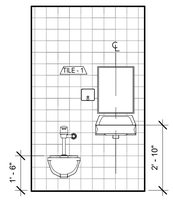
11/13/2024 1:05:03 PM
Autodesk Docs://2023351 DISD Dalls. McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt



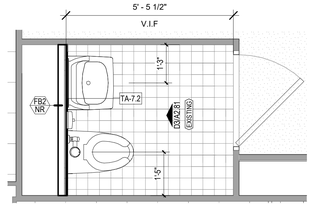
3/8" = 1'-0" TLT 139 - ELEVATION | D1



1/2" = 1'-0" LEVEL 1 TLT 139 | D2

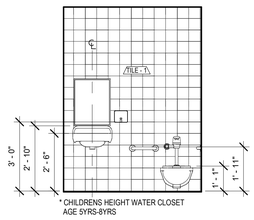


3/8" = 1'-0" OFFICE TLT 158 - ELEVATION | D3

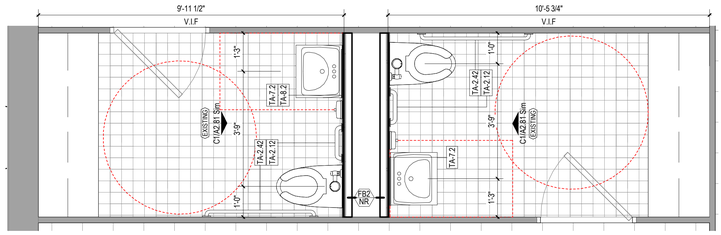


1/2" = 1'-0" LEVEL 1 - OFFICE TLT 158 | D4

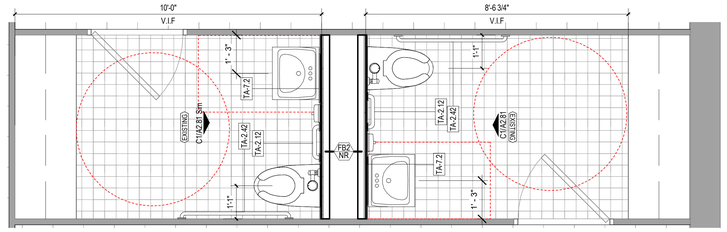
D



3/8" = 1'-0" TLT 152 &153 - ELEVATION | C1

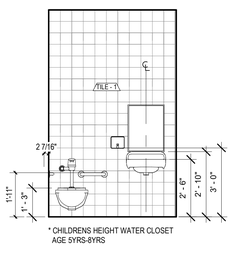


1/2" = 1'-0" LEVEL 1 TLT 152 & 153 | C3

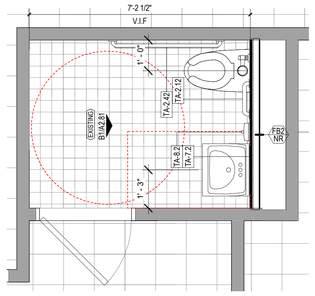


1/2" = 1'-0" LEVEL 1 TLT 147 & 148 | B5

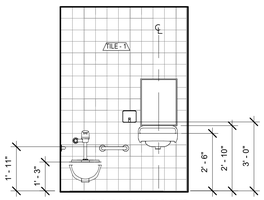
C



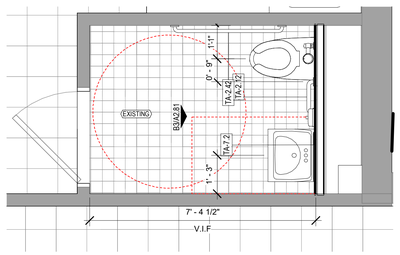
3/8" = 1'-0" PRE K TLT 175A - ELEVATION | B1



1/2" = 1'-0" LEVEL 1 - PRE K TLT 175A | B2

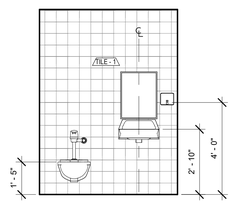


3/8" = 1'-0" PRE K TLT 180A & 181A ELEVATION | B3

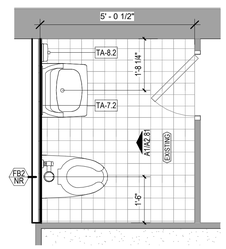


1/2" = 1'-0" LEVEL 1- PRE K TLT 180A & 181A | B4

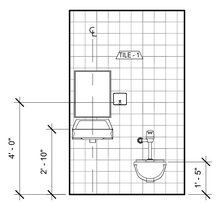
B



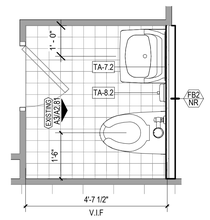
3/8" = 1'-0" TLT 133 - ELEVATION | A1



1/2" = 1'-0" LEVEL 1 TLT 133 | A2



3/8" = 1'-0" TLT 131 - ELEVATION | A3



1/2" = 1'-0" LEVEL 1 - TLT 131 | A4

A

SHEET NOTES

1. ALL TOILET ROOMS SHOWN ON THIS SHEET ARE PART OF ALTERNATE # 4 : ALL TOLIET ROOMS DO NOT CURRETLY MEET MINIMUM ADA STANDARDS. WORK DONE IN THESE ROOMS WILL BE MINIZED TO THAT REQUIRED FOR THE MAINTENANCE OF EXISTING PLUMBING LINES ONLY.
2. NEW PLUMBING FIXTURES INCULDING TLT, LAB, GRAB BARS, HAVE BEEN SHOW TO BE RELOCATED IN THE SAME LOCATION AS THOSE REMOVED MINIMUM WALL CLEARANCES AS REQUIRED BY ADA SHALL BE MAINTAINED EVEN IS ADJACENT FIXTURE OVERLAP ADJANCENT FLOOR FIXTURES.
3. ALL FLOORING TO BE PROTECTED IN SINGLE USE RESTROOMS.
4. CONTRACTOR TO NOTIFY ARCHITECT OF ANY PLUMBING LINE OR AN EXISTING MEMBER THAT MAY EFFECT PLACEMENT OF WALLS.

ALTERNATES

ALTERNATE # 4 : RENOVATE ALL RESTROOMS EXCEPT NO.132

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REGISTERED ARCHITECT MATTHEW R. MCSHANE 26916 STATE OF TEXAS

11 NOVEMBER 2024

	DATE	ISSUE
A	11 NOV 2024	100% Construction Documents

PROJECT NAME

ORG 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS

6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

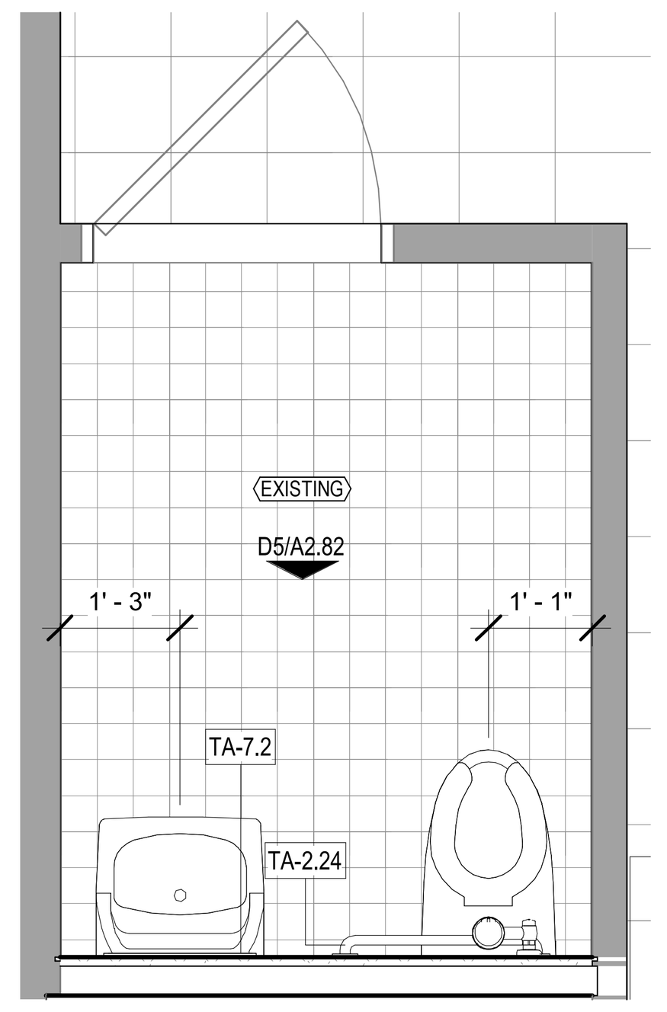
SHEET TITLE

ENLARGED TOILETROOM PLANS - ALTERNATE #4

SHEET NUMBER

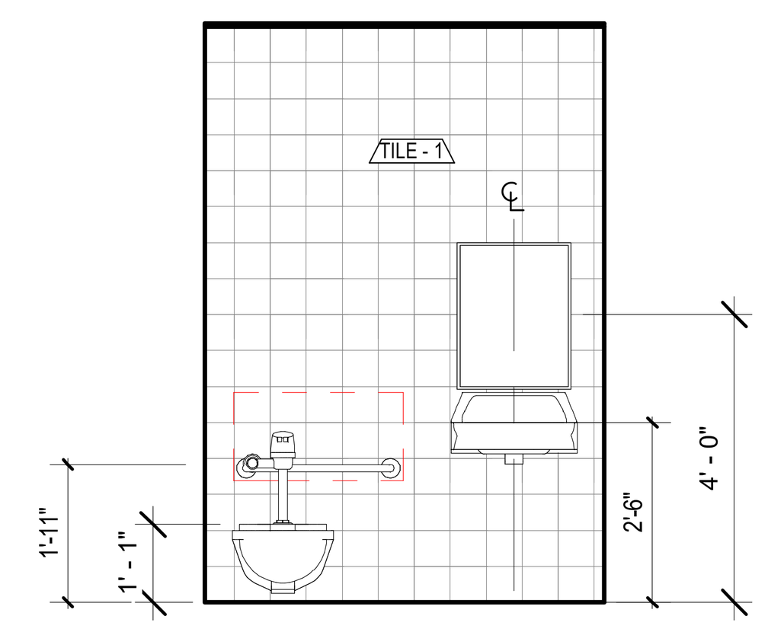
A2.81

11/13/2024 1:05:13 PM Autodesk Docs://2023351 DISD Dlatte, McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt



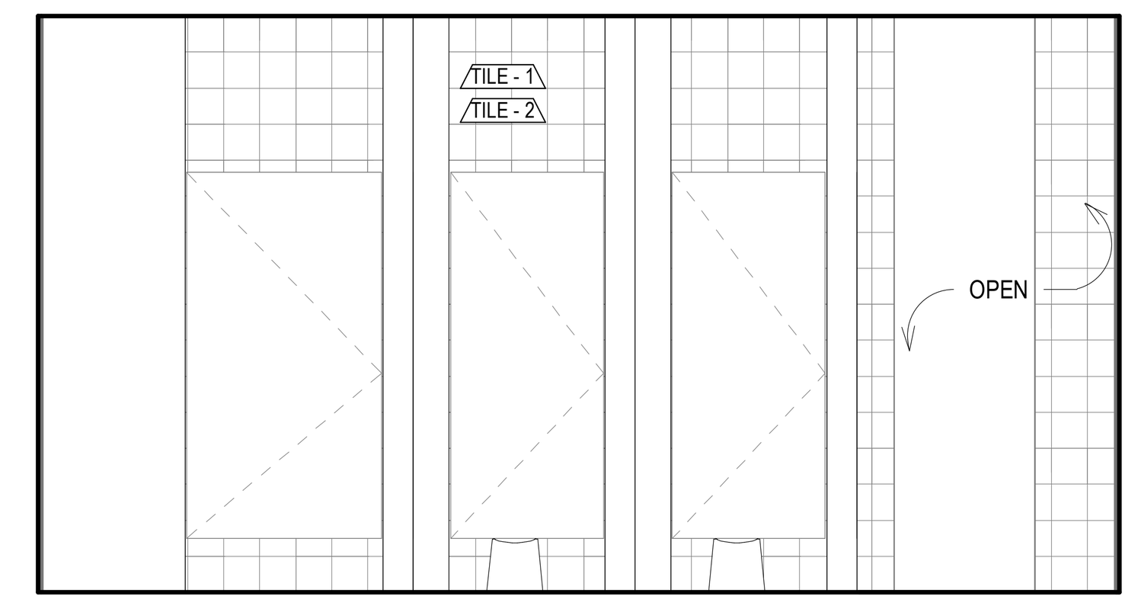
* CHILDRENS HEIGHT WATER CLOSET
AGE 5YRS-8YRS

1/2" = 1'-0" LEVEL 1 - PRE K TLT 182A | D4

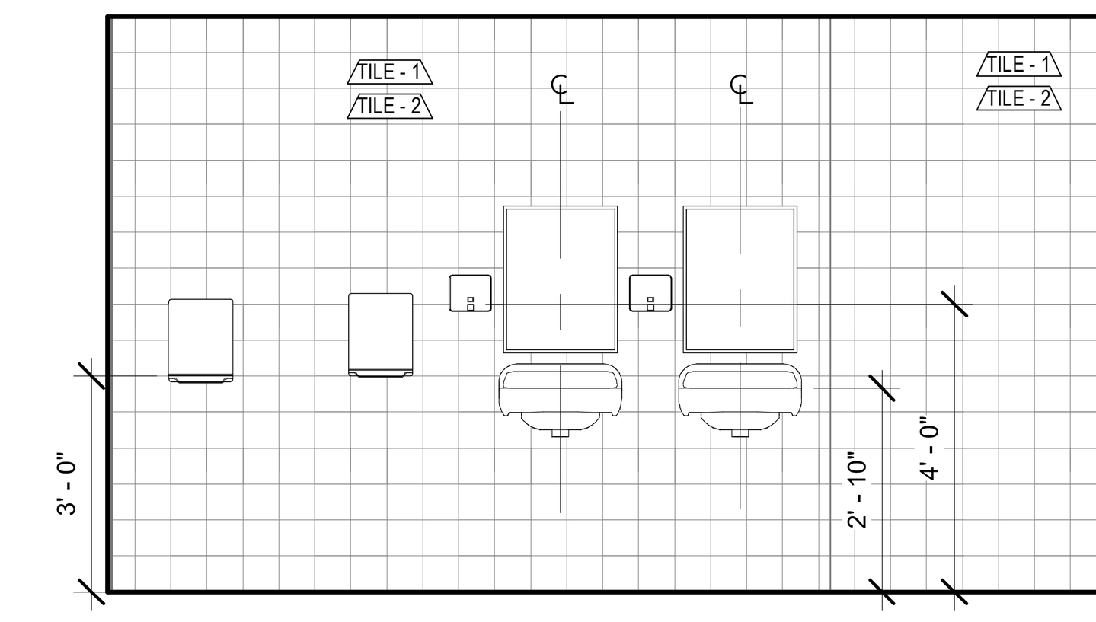


* CHILDRENS HEIGHT WATER CLOSET
AGE 5YRS-8YRS

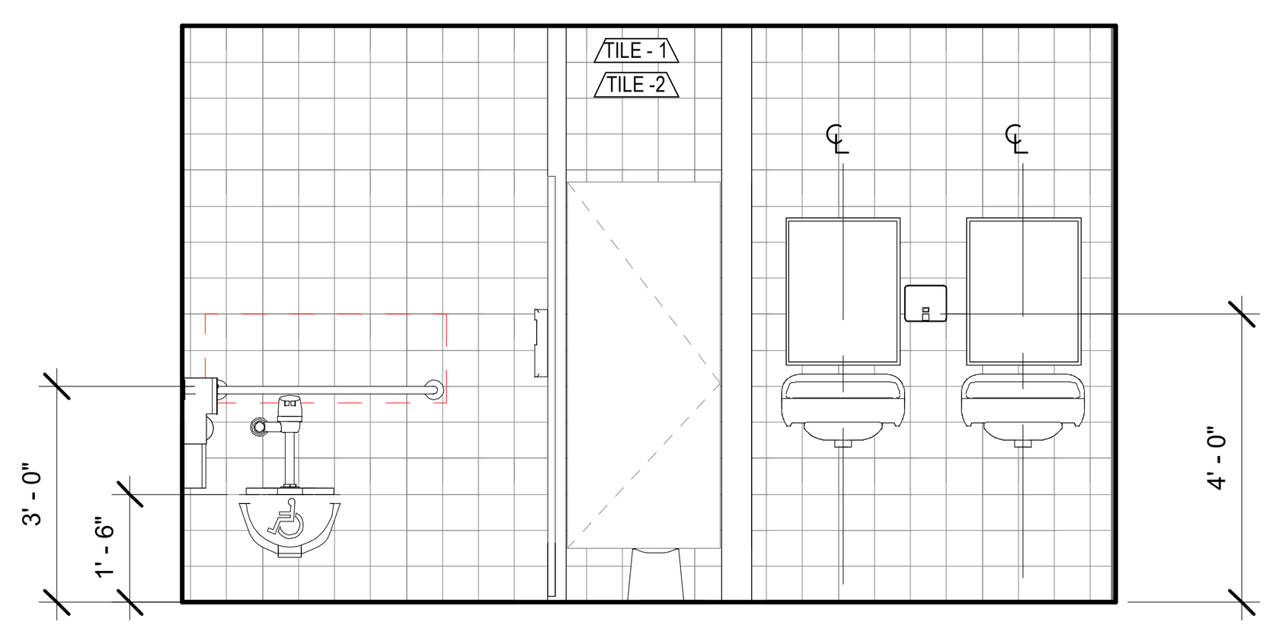
3/8" = 1'-0" PRE K TLT 182A - ELEVATION | D5



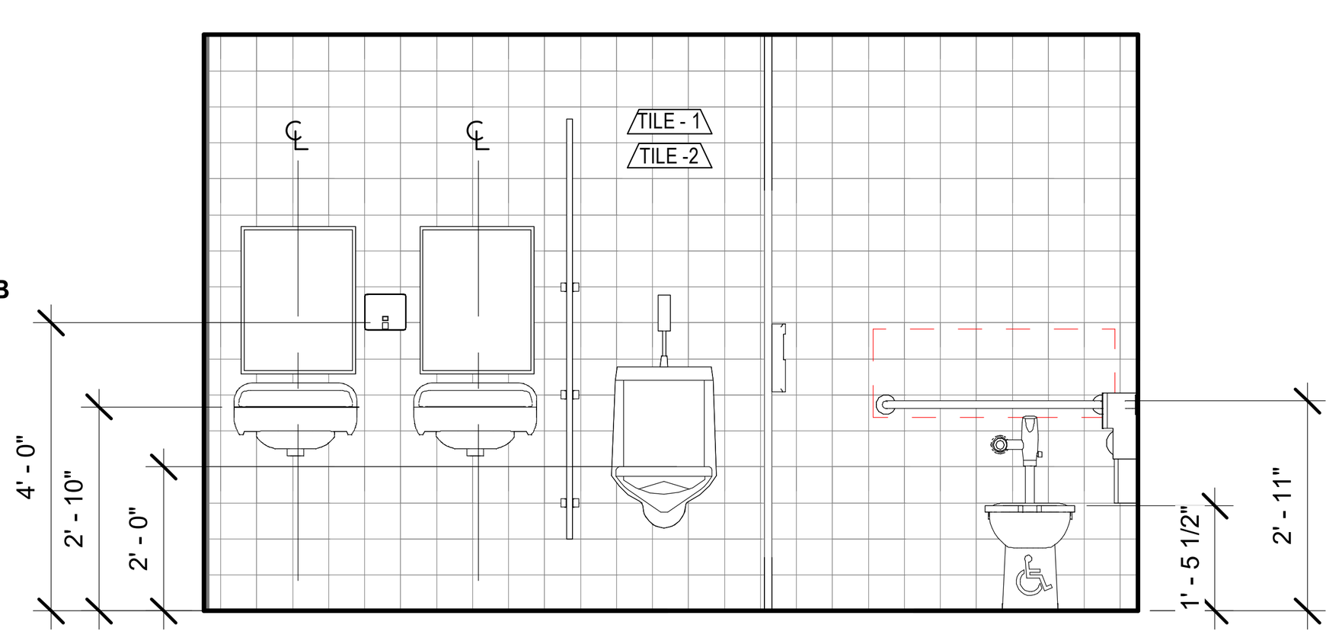
3/8" = 1'-0" GIRL RR 117 - TLT ELEVATION | B5



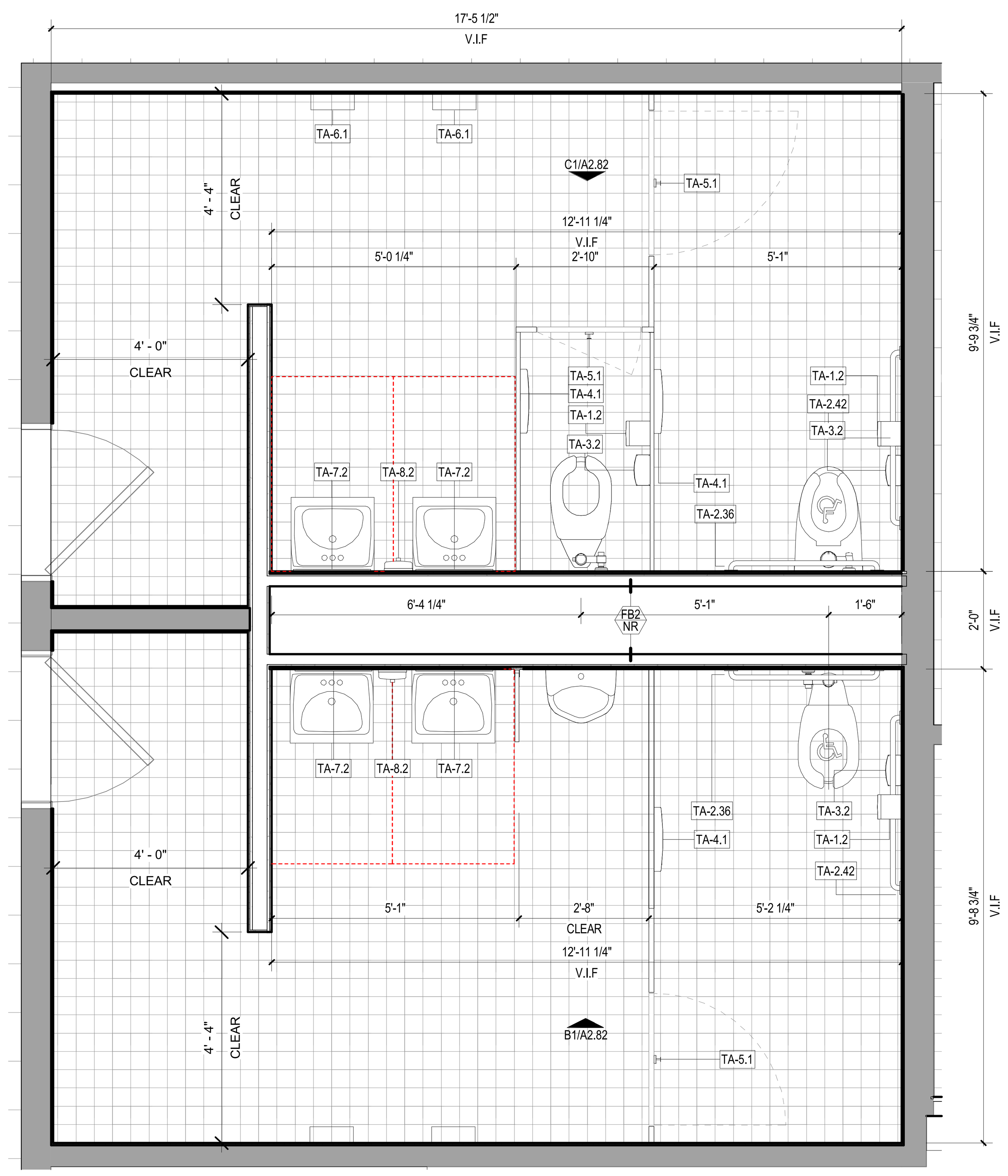
3/8" = 1'-0" GIRLS RR 117 - SINK ELEVATION | C5



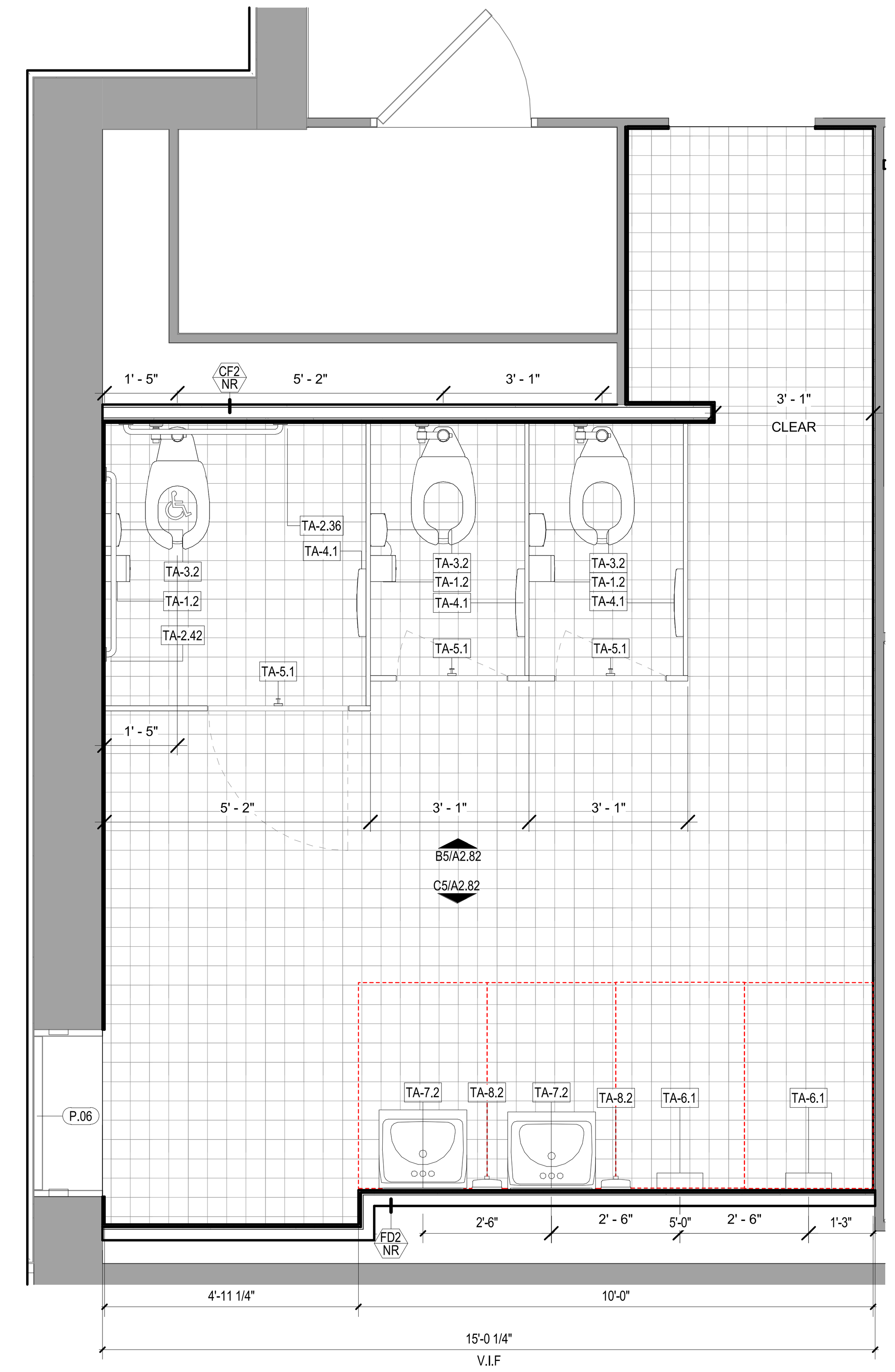
3/8" = 1'-0" WOMEN 183 - ELEVATION | C1



3/8" = 1'-0" MALE 183 - ELEVATION | B1



1/2" = 1'-0" LEVEL 1 WOMEN 183 & MALE 183 | B2



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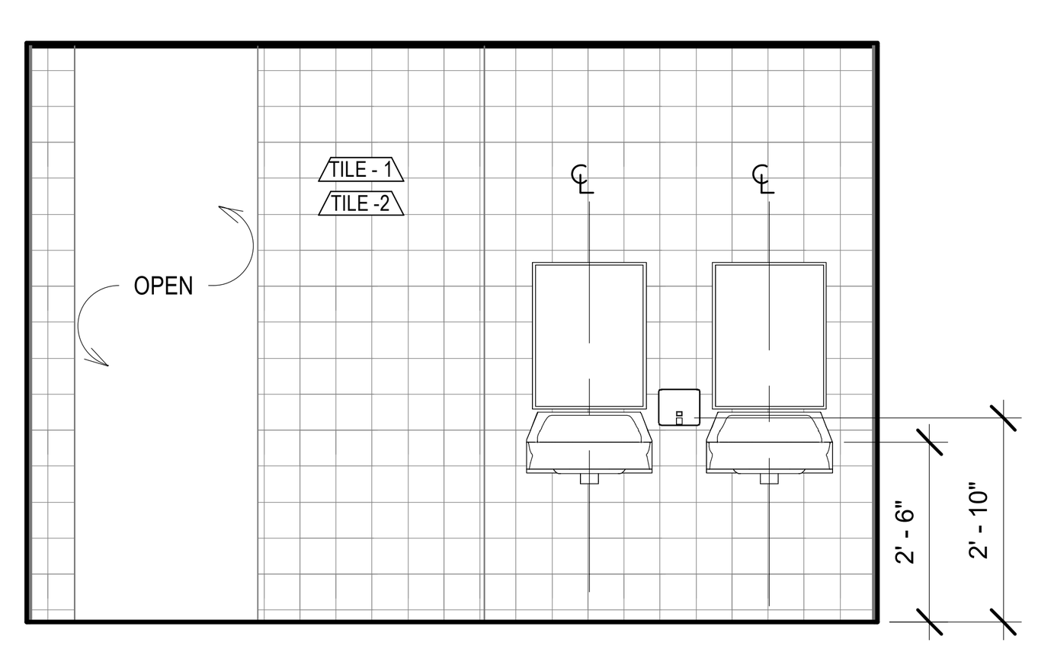
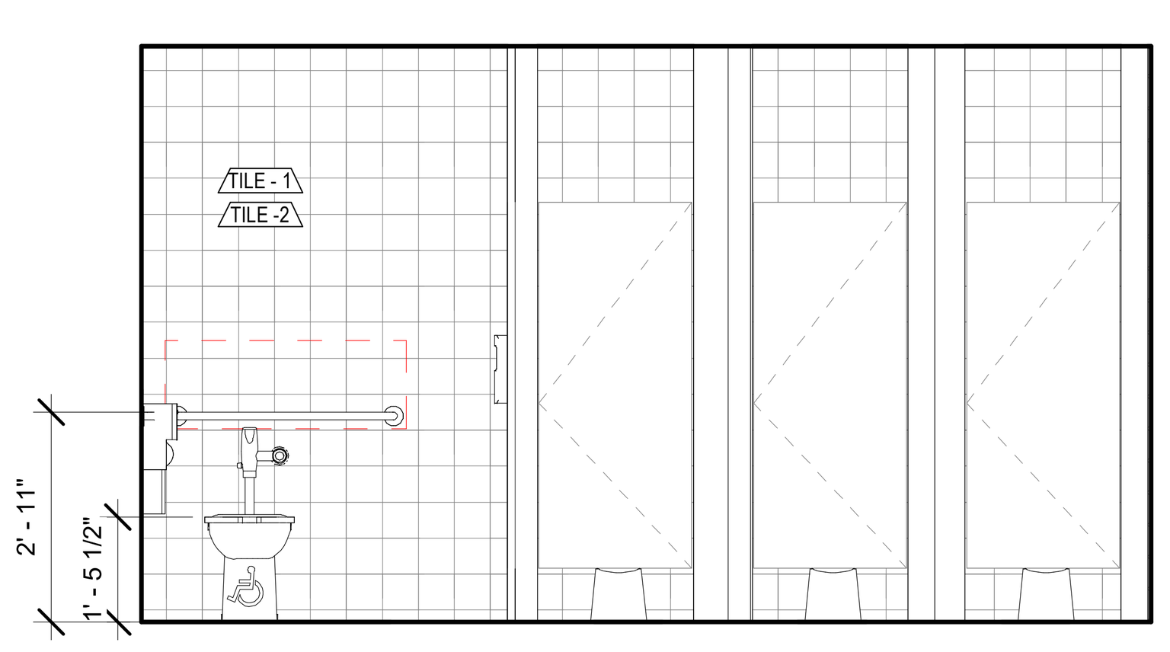
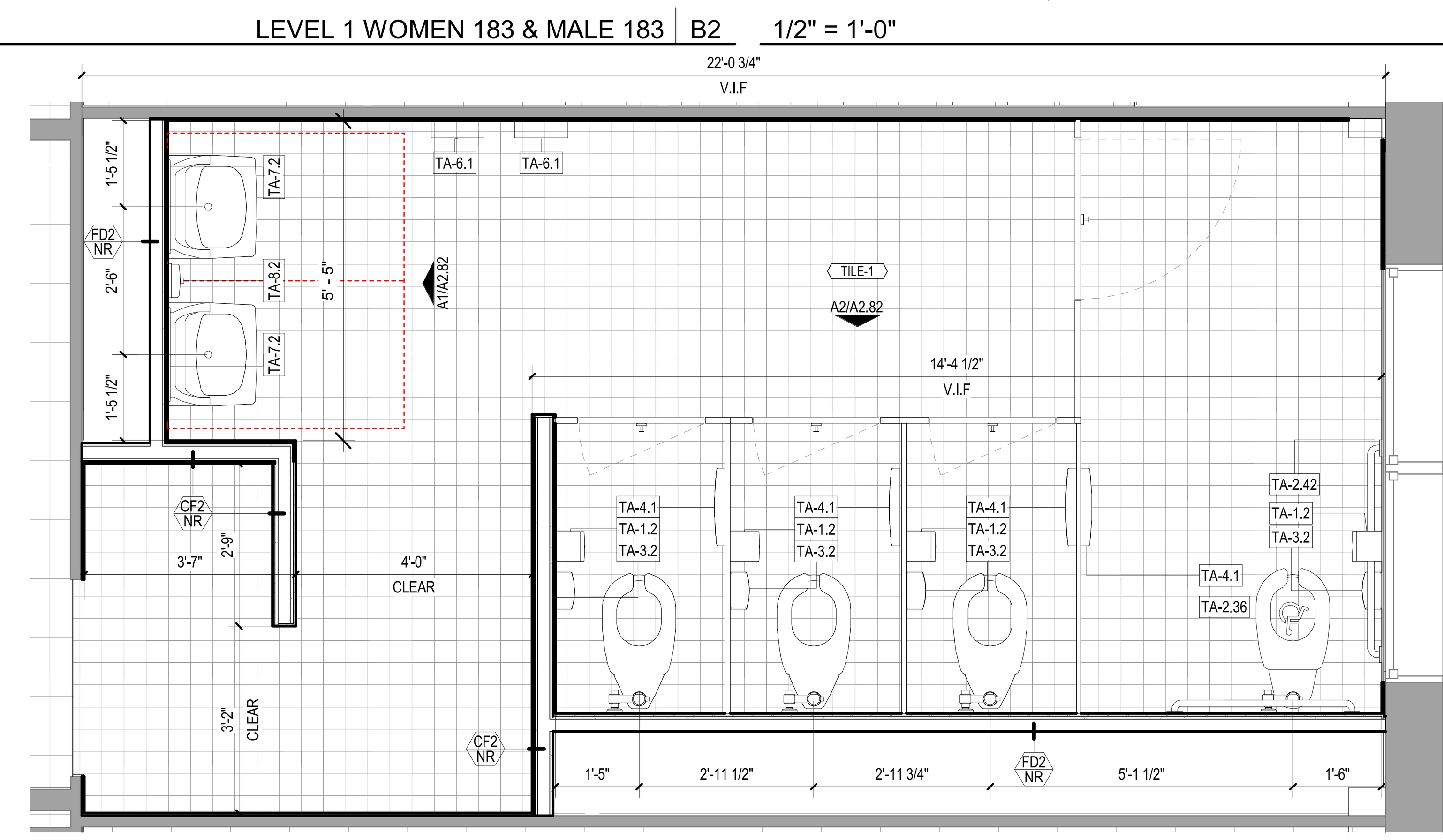


3/8" = 1'-0" GIRLS RR 213 - SINK ELEVATIONS | A1



3/8" = 1'-0" GIRLS RR 213 - TLT ELEVATION | A2



1/2" = 1'-0" LEVEL 2 GIRL RR 213 | A4

SHEET NOTES

1. ALL TOILET ROOMS SHOWN ON THIS SHEET ARE PART OF ALTERNATE # 4 : ALL TOLIET ROOMS DO NOT CURRETLY MEET MINIMUM ADA STANDARDS. WORK DONE IN THESE ROOMS WILL BE MINIZED TO THAT REQUIRED FOR THE MAIINTENANCE OF EXISTING PLUMBING LINES ONLY.
2. NEW PLUMBING FIXTURES INCULDING TLT, LAB, GRAB BARS, HAVE BEEN SHOW TO BE RELOCATED IN THE SAME LOCATION AS THOSE REMOVED MINIMUM WALL CLEARANCES AS REQUIRED BY ADA SHALL BE MAINTAINED EVEN IS ADJACENT FIXTURE OVERLAP ADJANCENT FLOOR FIXTURES.
3. ALL FLOORING TO BE PROTECTED IN SINGLE USE RESTROOMS.
4. CONTRACTOR TO NOTIFY ARCHITECT OF ANY PLUMBING LINE OR AN EXISTING MEMBER THAT MAY EFFECT PLACEMENT OF WALLS.

ALTERNATES

ALTERNATE # 4 : RENOVATE ALL RESTROOMS EXCEPT NO.132

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11 NOVEMBER 2024

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PROJECT NAME
ORG 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS
6911 Victoria Ave, Dallas, TX 75209

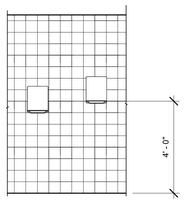
KIRKSEY PROJECT NO. 2023351

KEY PLAN

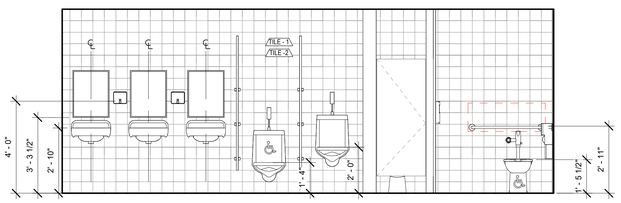
SHEET TITLE
ENLARGED TOILETROOM PLANS - ALTERNATE #4

SHEET NUMBER
A2.82

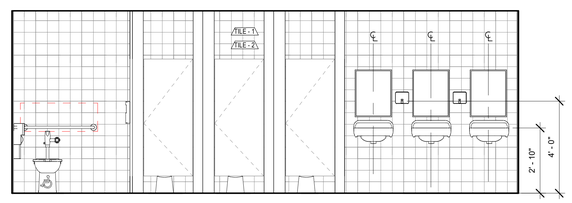
11/13/2024 1:05:23 PM Autodesk Docs://2023351 DISD Dade, McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt



3/8" = 1'-0" BOY/GIRLS RR 187- ELEVATION | D1



3/8" = 1'-0" BOYS RR 187 - TLT ELVATION | D3



3/8" = 1'-0" GIRLS RR 188 - TLT ELEVATION | D5

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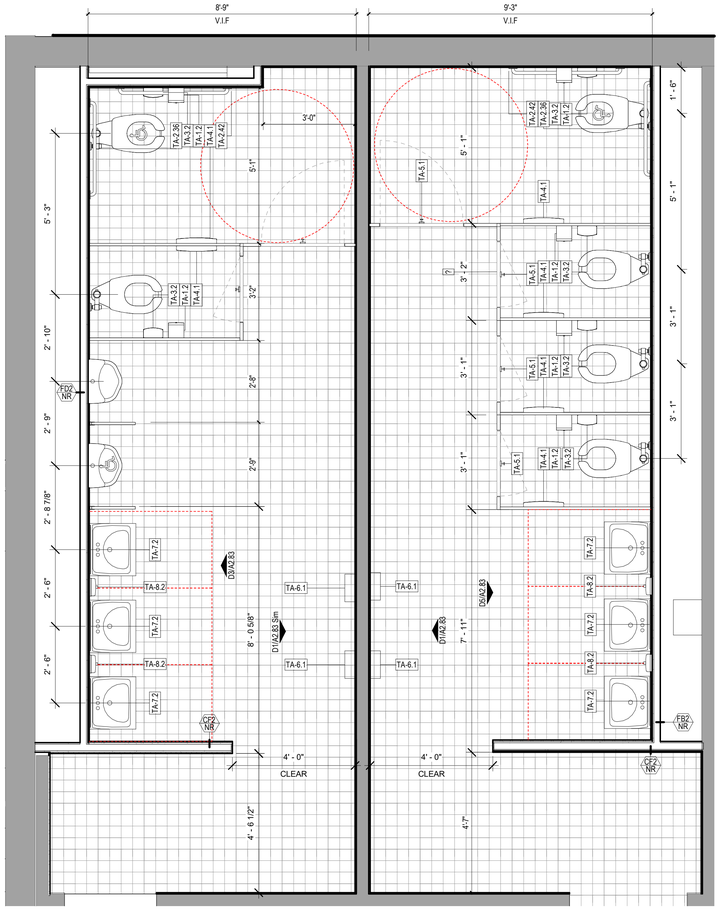
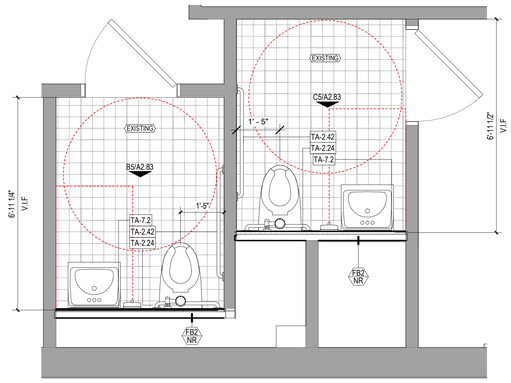
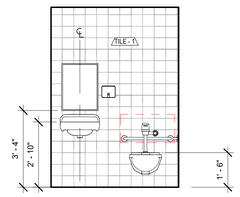


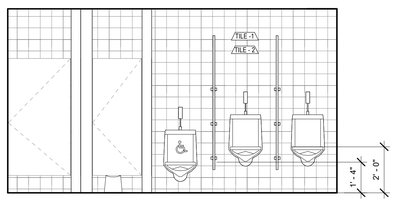
1/2" = 1'-0" LEVEL 1 BOY 187 & GIRLS 188 | A2



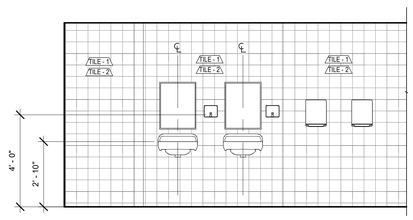
1/2" = 1'-0" TLT 179B & 176B | C4



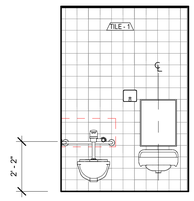
3/8" = 1'-0" TLT 176B - ELEVATION | C5



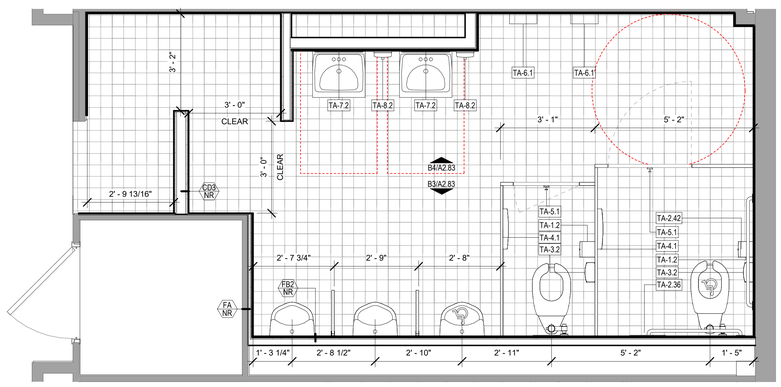
3/8" = 1'-0" BOYS RR 214A - ELEVATION | B3



3/8" = 1'-0" BOYS RR 214A - SINK ELEVATION | B4



3/8" = 1'-0" TLT 179B - ELV. | B5



1/2" = 1'-0" LEVEL 2 BOYS RR 214A | A4

SHEET NOTES

1. ALL TOILET ROOMS SHOWN ON THIS SHEET ARE PART OF ALTERNATE # 4 : ALL TOLIET ROOMS DO NOT CURRETLY MEET MINIMUM ADA STANDARDS. WORK DONE IN THESE ROOMS WILL BE MINIZED TO THAT REQUIRED FOR THE MAINTENANCE OF EXISTING PLUMBING LINES ONLY.
2. NEW PLUMBING FIXTURES INCULDING TLT, LAB, GRAB BARS, HAVE BEEN SHOW TO BE RELOCATED IN THE SAME LOCATION AS THOSE REMOVED MINIMUM WALL CLEARANCES AS REQUIRED BY ADA SHALL BE MAINTAINED EVEN IS ADJACENT FIXTURE OVERLAP ADJANCENT FLOOR FIXTURES.
3. ALL FLOORING TO BE PROTECTED IN SINGLE USE RESTROOMS.
4. CONTRACTOR TO NOTIFY ARCHITECT OF ANY PLUMBING LINE OR AN EXISTING MEMBER THAT MAY EFFECT PLACEMENT OF WALLS.

ALTERNATES

ALTERNATE # 4 : RENOVATE ALL RESTROOMS EXCEPT NO.132

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REGISTERED ARCHITECT HEATHER R. MCSHANE 26916 STATE OF TEXAS

11 NOVEMBER 2024

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PROJECT NAME

ORG 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS

6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

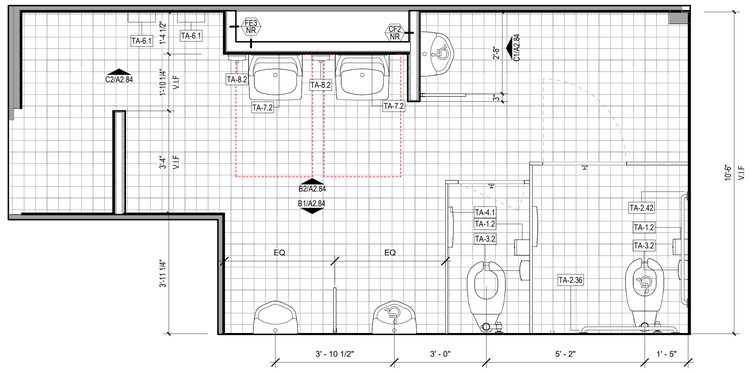
SHEET TITLE

ENLARGED TOILETROOM PLANS - ALTERNATE #4

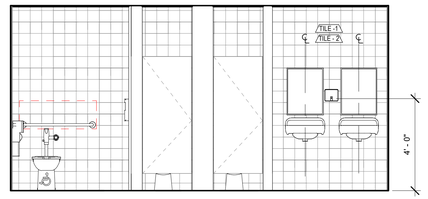
SHEET NUMBER

A2.83

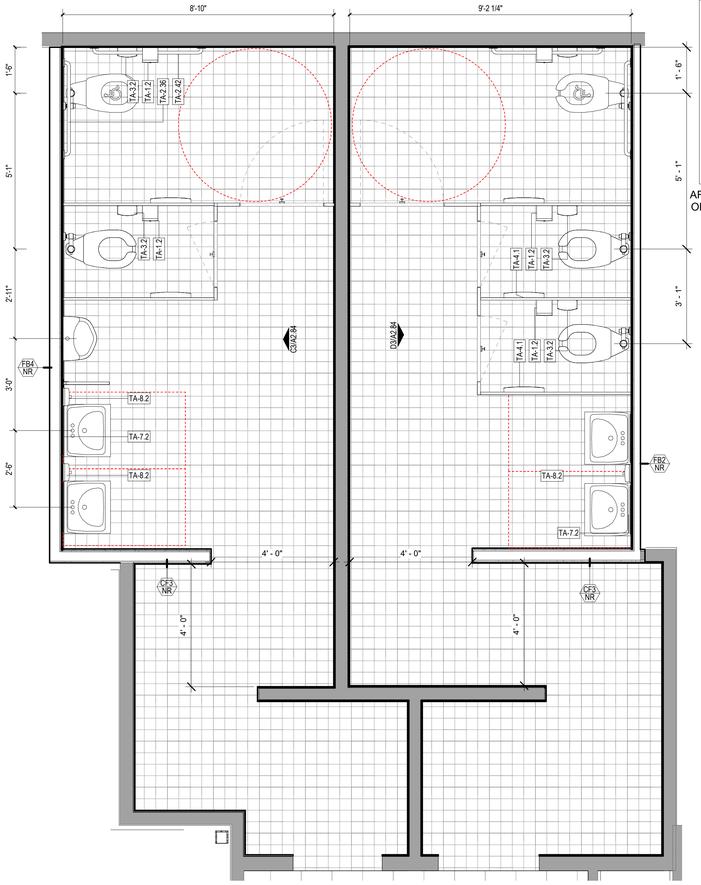
11/13/2024 1:08:05 PM Autodesk Docs://2023351 DISD Dalla_McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt

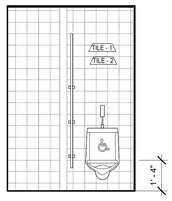


1/2" = 1'-0" LEVEL 3 BOY RR 314 | D2

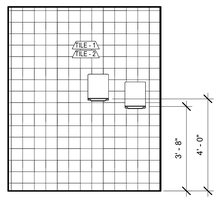


3/8" = 1'-0" GIRL RR 335 - ELEVATION | D3

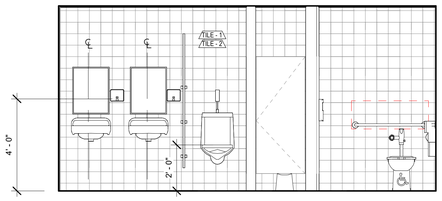




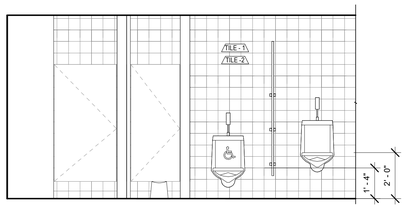
3/8" = 1'-0" BOY RR 314 - URINAL ELEVATION | C1



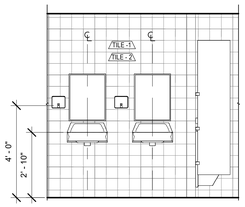
3/8" = 1'-0" BOY RR 314 - ELEVATION | C2



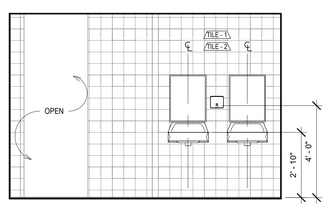
3/8" = 1'-0" BOY RR 334 - ELEVATION | C3



3/8" = 1'-0" BOY RR 314 - TLT ELEVATION | B1

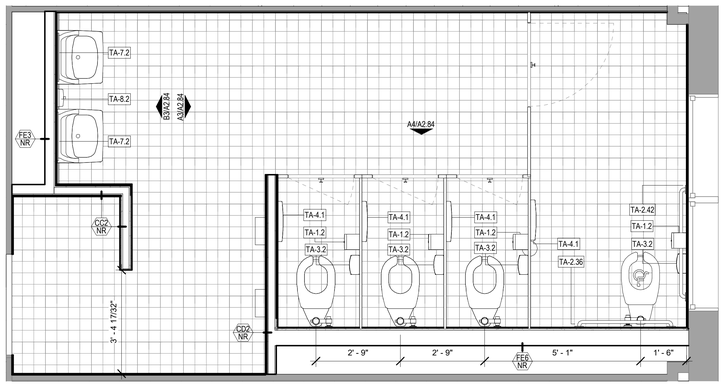


3/8" = 1'-0" BOY RR 314 - SINK ELEVATION | B2

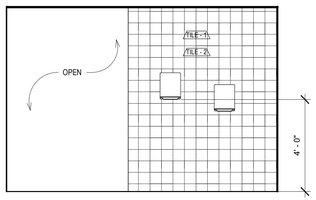


3/8" = 1'-0" GIRL RR 313 - SINK ELEVATION | B3

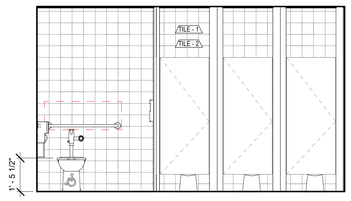
1/2" = 1'-0" LEVEL 3 GIRL RR 335 & BOYS RR 334 | B5



1/2" = 1'-0" LEVEL 3 GIRL RR 313 | A2



3/8" = 1'-0" GIRLS RR 313 - EAST ELEVATION | A3



3/8" = 1'-0" GIRLS RR 313 - ELEVATION | A4

AREA RESERVED FOR CITY OF DALLAS PERMIT STAMP

SHEET NOTES

1. ALL TOILET ROOMS SHOWN ON THIS SHEET ARE PART OF ALTERNATE # 4 : ALL TOLIET ROOMS DO NOT CURRETLY MEET MINIMUM ADA STANDARDS. WORK DONE IN THESE ROOMS WILL BE MINIZED TO THAT REQUIRED FOR THE MAINTENANCE OF EXISTING PLUMBING LINES ONLY.
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ALTERNATES

ALTERNATE # 4 : RENOVATE ALL RESTROOMS EXCEPT NO.132

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PROJECT NAME

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PROJECT ADDRESS

6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE

ENLARGED TOILETROOM PLANS - ALTERNATE #4

SHEET NUMBER

A2.84

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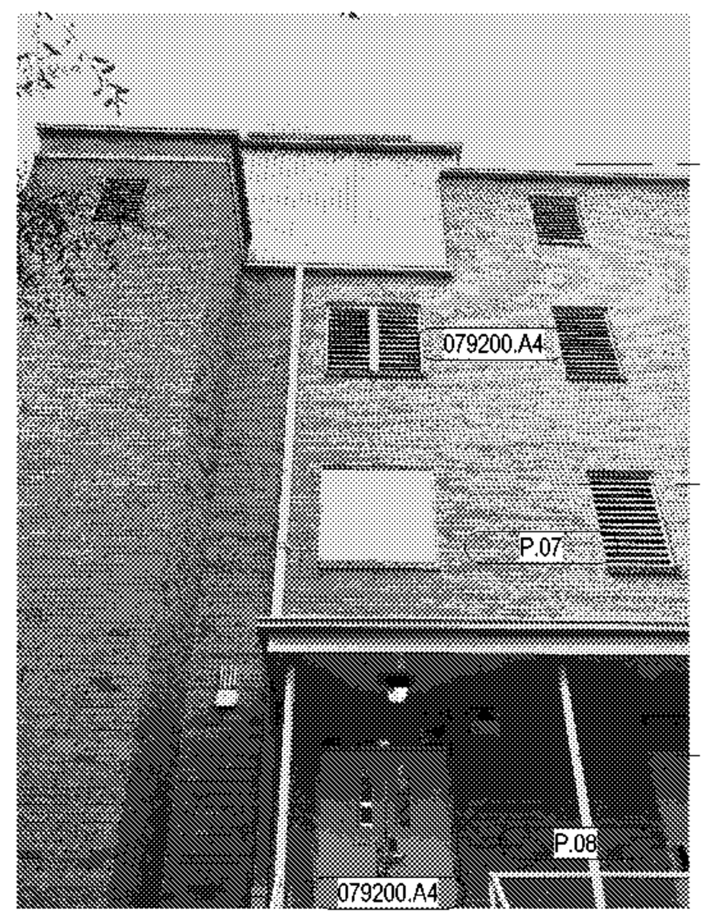
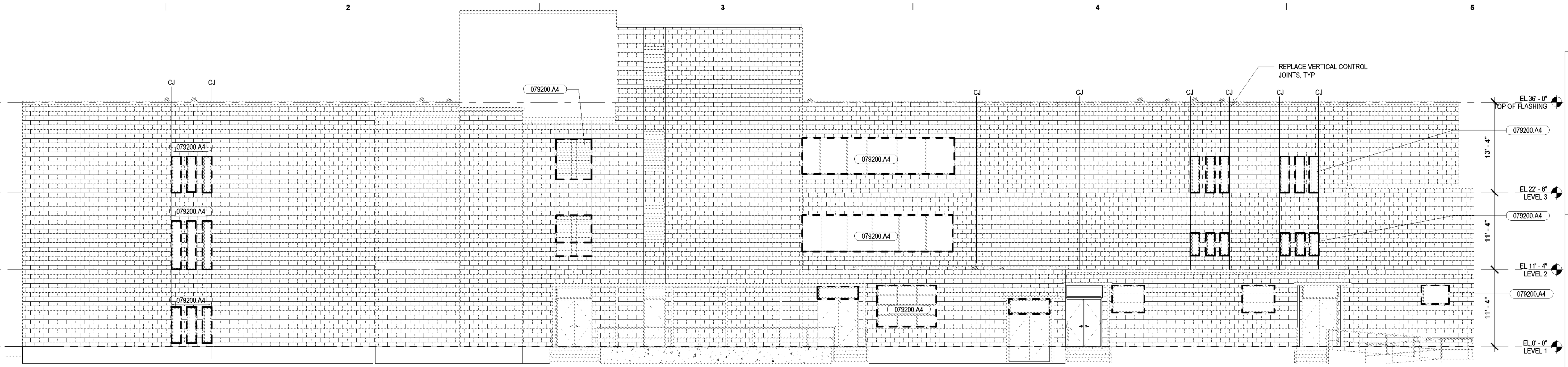
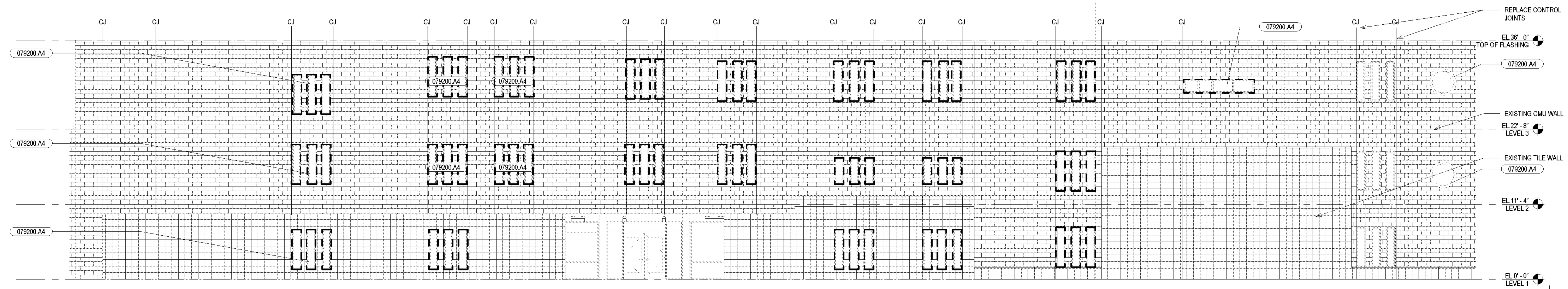




1/8" = 1'-0"

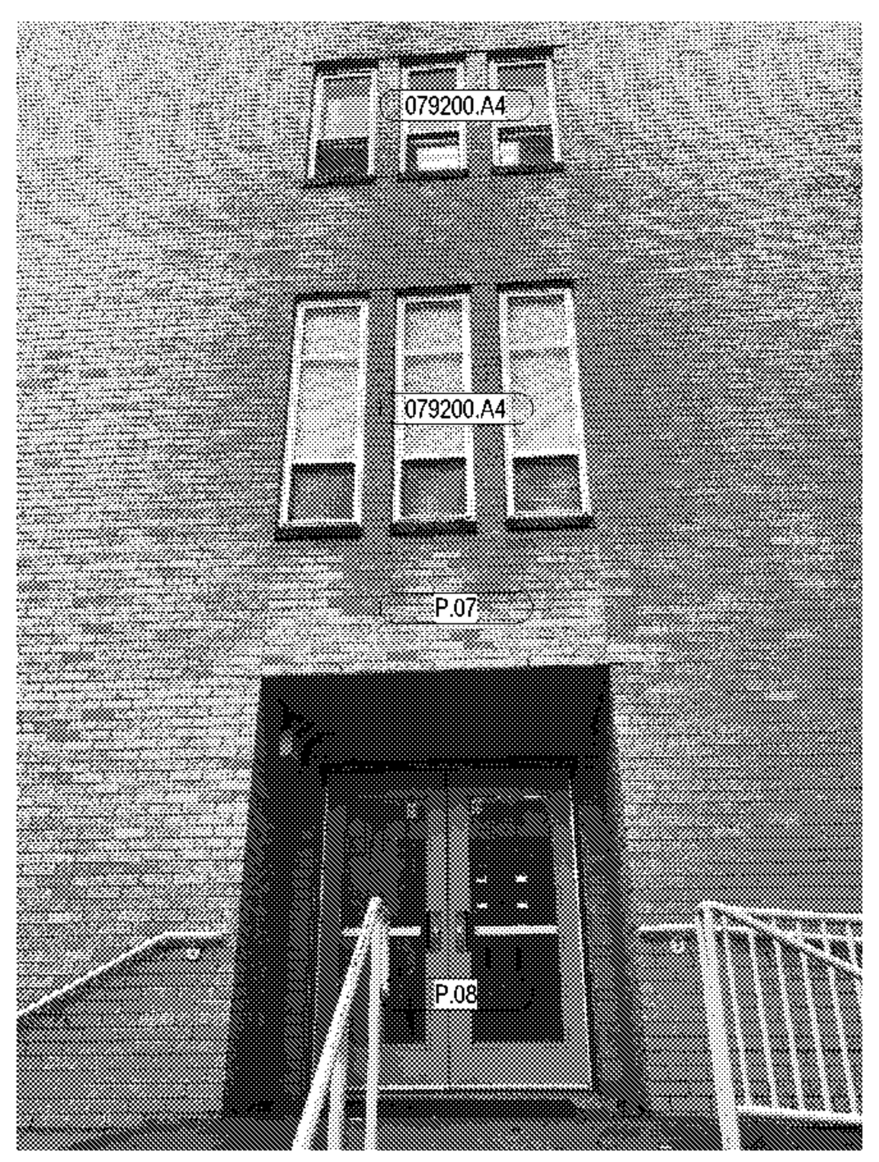
NORTH ELEVATION | D5

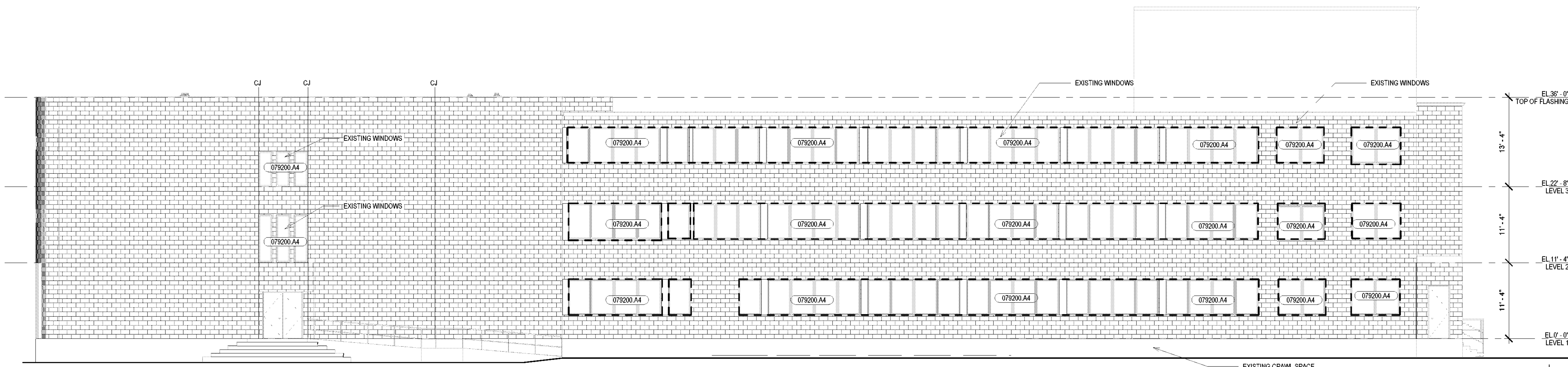
AREA RESERVED FOR CITY OF DALLAS PERMIT STAMP



1/8" = 1'-0"

SOUTH ELEVATION | C5



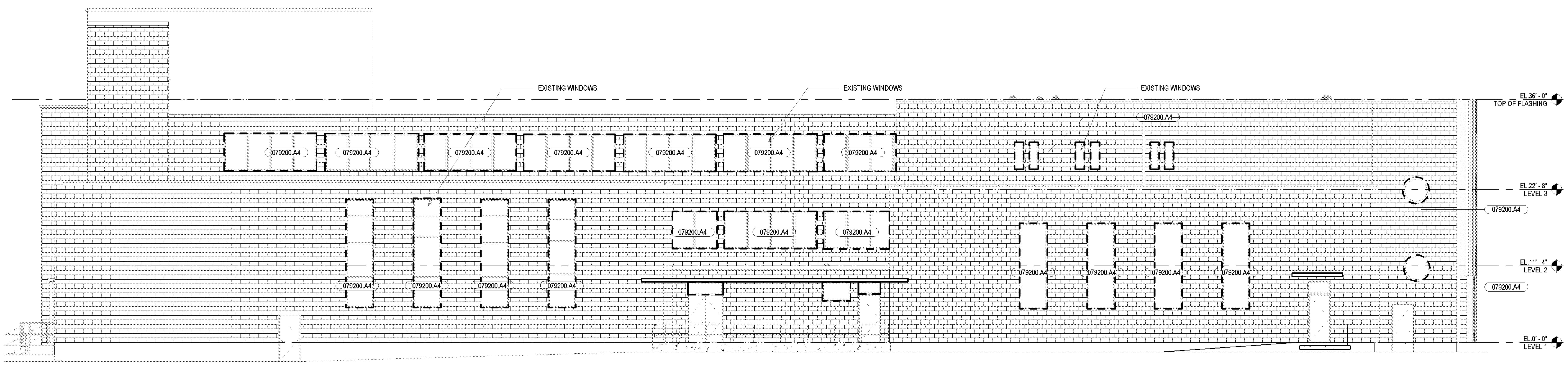


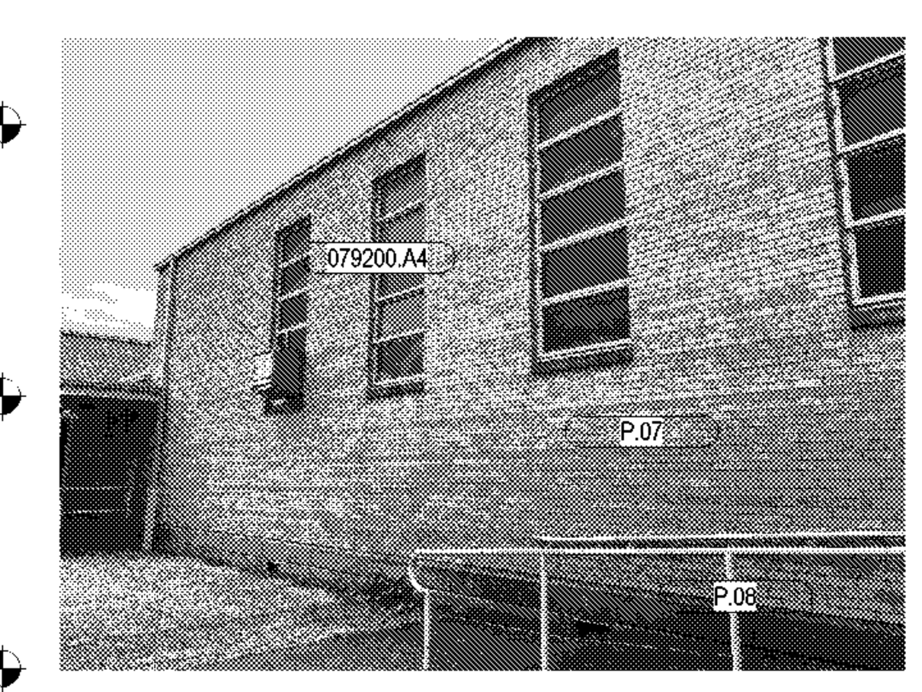
1/8" = 1'-0"

EAST ELEVATION | B4

KEY NOTES

079200.A4	REPLACE JOINT SEALANT & BACKER ROD
P.07	ALTERNATE #5: POWER WASH EXTERIOR BUILDING FACADES OF MAIN BUILDING.
P.08	PAINTING OF MISCELLANEOUS EXTERIOR METALS, SUCH AS HANDRAILS, CANOPY COLUMNS, DOOR FRAMES, ETC.





1/8" = 1'-0"

WEST ELEVATION | A4

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KEY PLAN

SHEET TITLE

ELEVATIONS

SHEET NUMBER

A3.10

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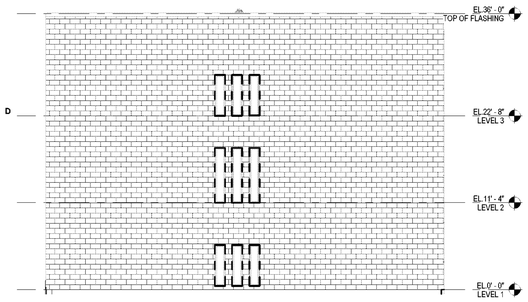
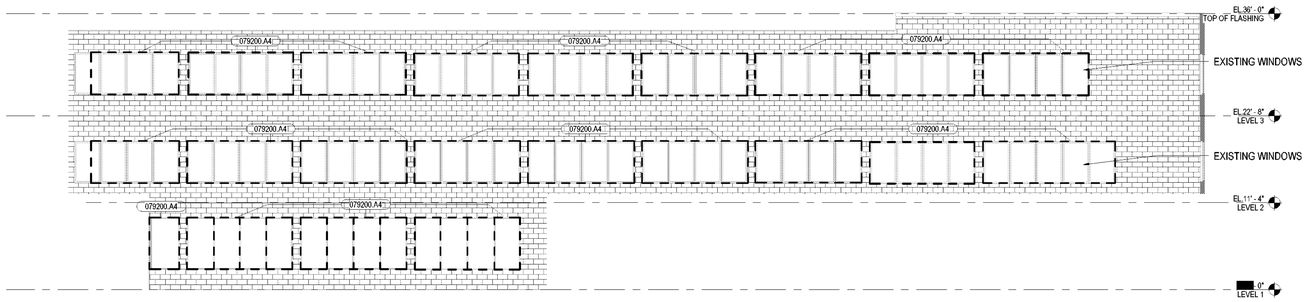


1/8" = 1'-0" EXTERIOR ELEVATION - PARKING SIDE | D1



1/8" = 1'-0" EXTERIOR ELEVATION - EAST | A5

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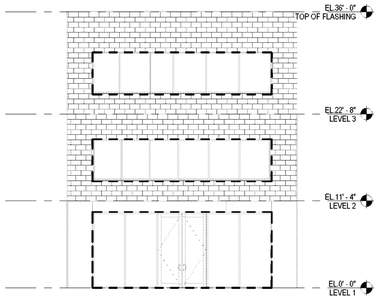
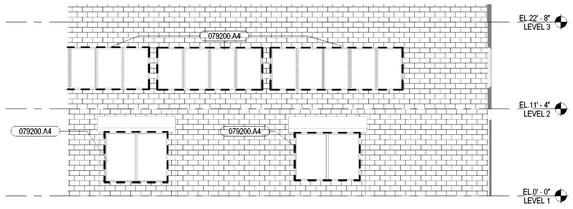
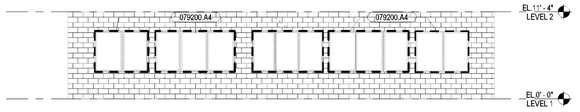


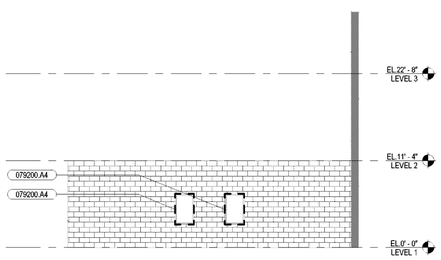
1/8" = 1'-0" COURTY YARD ELEVATION | C1



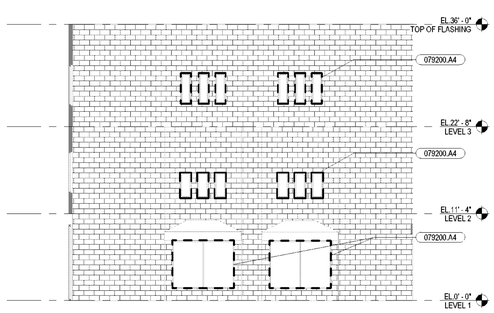
1/8" = 1'-0" COURT YARD ELEVATION - EAST | C3



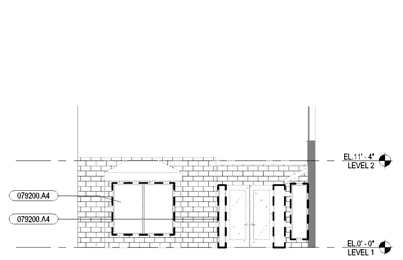
1/8" = 1'-0" EXTERIOR CAFETERIA ELEVATION | C5



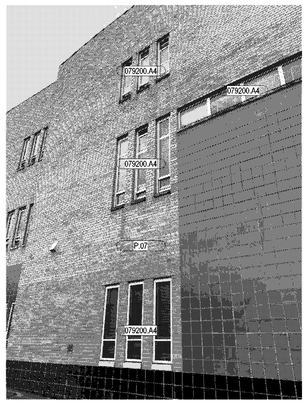
1/8" = 1'-0" COURTYARD WINDOW ELEVATION | B2

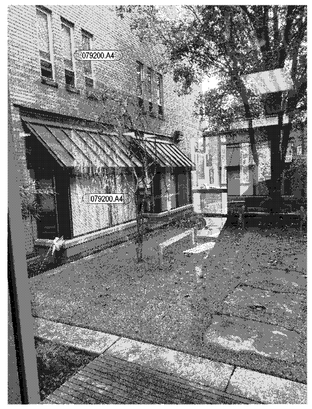


1/8" = 1'-0" COURT YEARD ELEVATION | B3



1/8" = 1'-0" COURT YARD ELEVATION | B5





EXTERIOR FACADE IMAGES | A4

KEY NOTES

079200.A4 REPLACE JOINT SEALANT & BACKER ROD
P.07 ALTERNATE #5: POWER WASH EXTERIOR BUILDING FACADES OF MAIN BUILDING.

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REGISTERED ARCHITECT
MATTHEW W. KIRKSEY
20915
STATE OF TEXAS

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KIRKSEY PROJECT NO. 2023351

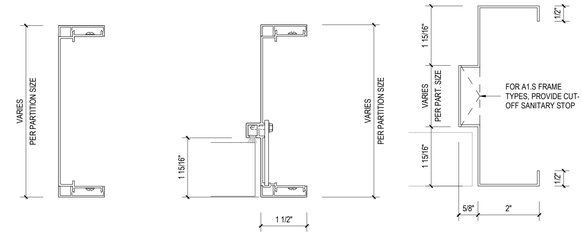
KEY PLAN

SHEET TITLE
ELEVATIONS

SHEET NUMBER
A3.11

11/13/2024 10:08:56 AM Autodesk Docs://2023351 DISD Dade, McGlaine, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt

" = 1'-0"

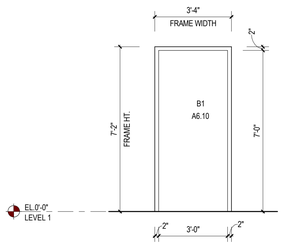


B2 08 12 16
ALUMINUM FRAME
CASED OPENING

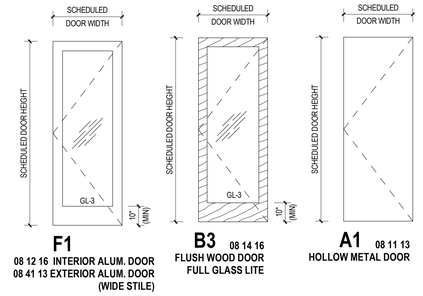
B1 08 12 16
ALUMINUM FRAME
INTERIOR

A1 08 11 13
HOLLOW METAL FRAME
EQUAL RABBET

6" = 1'-0" FRAME TYPES | C5



3/8" = 1'-0" B FRAME ELEVATION (INTERIOR) | B4



F1
08 12 16 INTERIOR ALUM. DOOR
08 41 13 EXTERIOR ALUM. DOOR
(WIDE STILE)

B3 08 14 16
FLUSH WOOD DOOR
FULL GLASS LITE

A1 08 11 13
HOLLOW METAL DOOR

3/8" = 1'-0" DOOR TYPES | B5

DOOR SCHEDULE

DOOR					NO. OF	FRAME				
NO.	TYPE	FINISH	WIDTH	HEIGHT	LEAVES	TYPE	FINISH	HDWR. NO	FIRE RATING	COMMENTS
127	A1	AL	5' - 0"	7' - 0"	2	A1.L	CLEAR	C214		KITCHEN DELIVERY DOOR/CR/ BUZZER
170	B3	EXISTING	5' - 11 27/32"	7' - 0 1/8"	2	EXISTING	EXISTING	CR714AM		CARD READER
170A	B3	WOOD	3' - 0"	7' - 0"	1	B1	WOOD	CR201C		DOOR RELEASE/ELECTRIC STRICK
171	B3	MATCH EXISTING COLOR	6' - 0 3/32"	6' - 11 1/8"	2	B1	MATCH EXISTING COLOR	C710AMV		CARD READER
176	B1	EXISTING	3' - 0"	7' - 0 1/2"	1	EXISTING	EXISTING	R201C		DOOR RELEASE/CARD READER

SHEET NOTES

1. DOOR 208 IN THE HEADQUARTERS BUILDING - OWNER PROVIDED CUSTOM WOOD DOOR - TO BE RELOCATED FROM THE BLOCKER BUILDING. TO BE INSTALLED BY G.C. , PROVIDE BLOCKING AND COORDINATE DOOR OPENING WITH OWNER AND ARCHITECT.
2. ALL ALUMINUM DOORS ARE TO BE "WIDE STILE" WIDE STILE ALUMINUM DOORS ARE REQUIRED BY THE OWNER.
3. DOORS IN STAIR ENCLOSURE ALLOWING RE-ENTRY SHALL BE IDENTIFIED WITH A SIGN, TO BE INSTALLED ON THE STAIR SIDE OF THE DOOR.
4. DOORS IN STAIR ENCLOSURE NOT ALLOWING RE-ENTRY SHALL BE PROVIDED WITH A SIGN ON THE STAIR SIDE INDICATING THE LOCATION OF THE NEAREST DOOR, IN EACH DIRECTION OF TRAVEL, THAT ALLOWS RE-ENTRY OR EXIT.

SDI 250.8 (TABLE 5)

* HARDWARE MOUNTING HEIGHTS GUIDELINES		
LOCKS, LATCHES, ROLLER LATCHES & DOUBLE HANDLE SETS		**38" - 42"** CENTERLINE OF LOCK STRIKE FROM BOTTOM OF FRAME
RIM & MORTISE PANIC DEVICES		CENTERLINE OF **42"** FROM BOTTOM OF FRAME
COMBINATION PUSH BAR		CENTERLINE OF **42"** FROM BOTTOM OF FRAME
PULL PLATES		CENTERLINE OF GRIP @ **42"** FROM BOTTOM OF FRAME
HOSPITAL ARM PULL		CENTERLINE OF LOWER BASE IS **45"** FROM BOTTOM OF FRAME WITH GRIP OPEN AT BOTTOM
PUSH PLATES		CENTERLINE OF **45"** FROM BOTTOM OF FRAME
CYLINDRICAL & MORTISE DEADLOCKS		**48"** TO CENTERLINE OF STRIKE FROM BOTTOM OF FRAME, U.O.N.
HINGES	TOP	UP TO 11 3/4" FROM RABBET SECTION OF FRAME TO CENTERLINE OF HINGE
	BOTTOM	UP TO 13" FROM BOTTOM OF FRAME TO CENTERLINE OF HINGE
	INTERMEDIATE	EQUALLY SPACED BETWEEN TOP & BOTTOM HINGES

* DOOR AND HARDWARE NOTES

HARDWARE LOCATION ON DOOR TO BE CONTINGENT UPON THE FOLLOWING:

- FINAL LOCATION OF ALL HARDWARE SHALL BE CONTIGENT UPON LOCAL CODES.
- G.C. TO COORDINATE HARDWARE WITH DOOR LITES OR ANY OTHER SPECIAL REQUIREMENTS TO AVOID CONFLICT.
- G.C. TO COORDINATE DOOR AND DOOR HARDWARE WITH MANUFACTURER'S REQUIREMENTS

DOOR HARDWARE MOUNTING HTS | D5

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REGISTERED ARCHITECT MATTHEW R. MCSHANE 26916 STATE OF TEXAS

11 NOVEMBER 2024

	DATE	ISSUE
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PROJECT NAME

ORG 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS

6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE

DOOR LEAF TYPE

SHEET NUMBER

A6.10

11/20/2024 12:03:32 PM Autodesk Docs://2023351 DISD Dalls, McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt

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AREA RESERVED FOR CITY OF DALLAS PERMIT STAMP

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PROJECT NAME

ORG 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS

6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE

PARTITION TYPES

SHEET NUMBER

A6.60

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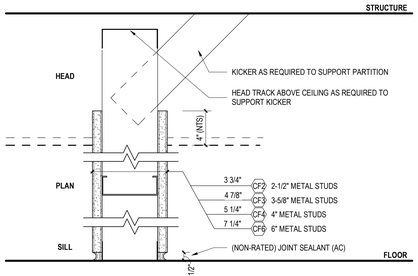
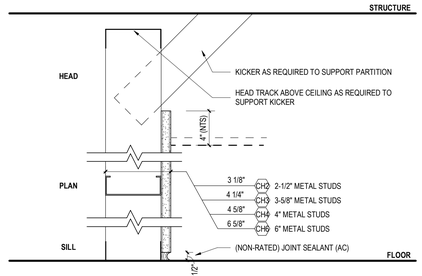


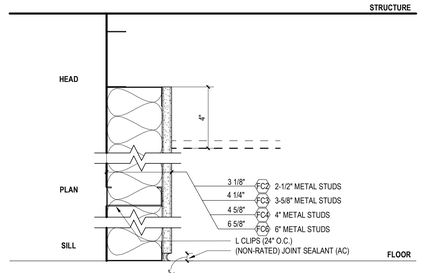
TYPE	FIRE RATING	STUD GAUGE	STUD SPACING	LIMITING HEIGHT L/240	LIMITING HEIGHT L/360	ACOUSTIC INSULATION	STC	UL LISTING WALL	UL LISTING BOTTOM
CF2	NR	25	16" O.C.	---	---	---	38	---	---
CF3	NR	25	16" O.C.	---	---	---	42	---	---
CF4	NR	25	16" O.C.	---	---	---	42	---	---
CF6	NR	25	16" O.C.	---	---	---	42	---	---

3" = 1'-0" INTERIOR PARTITION TYPE | CF



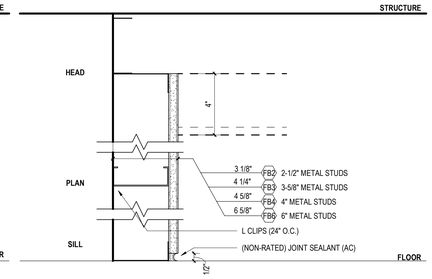
TYPE	FIRE RATING	STUD GAUGE	STUD SPACING	LIMITING HEIGHT L/240	LIMITING HEIGHT L/360	ACOUSTIC INSULATION	STC	UL LISTING WALL	UL LISTING BOTTOM
CH2	NR	25	16" O.C.	---	---	---	---	---	---
CH3	NR	25	16" O.C.	---	---	---	---	---	---
CH4	NR	25	16" O.C.	---	---	---	---	---	---
CH6	NR	25	16" O.C.	---	---	---	---	---	---

3" = 1'-0" INTERIOR PARTITION TYPE | CH



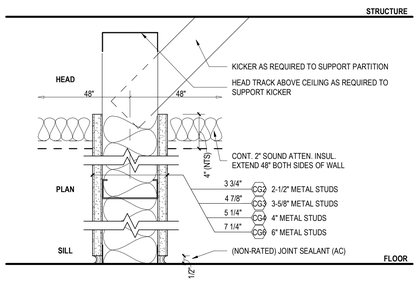
TYPE	FIRE RATING	STUD GAUGE	STUD SPACING	LIMITING HEIGHT L/240	LIMITING HEIGHT L/360	ACOUSTIC INSULATION	STC	UL LISTING WALL	UL LISTING BOTTOM
FC2	NR	25	16" O.C.	---	---	2 1/2"	28	---	---
FC3	NR	25	16" O.C.	---	---	3 1/2"	28	---	---
FC4	NR	25	16" O.C.	---	---	4"	28	---	---
FC6	NR	25	16" O.C.	---	---	6"	28	---	---

3" = 1'-0" INTERIOR PARTITION TYPE | FC



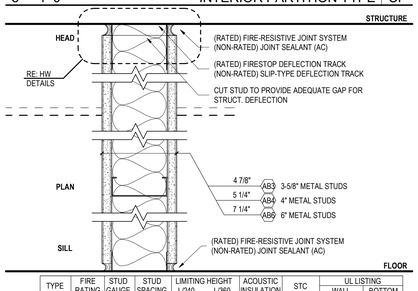
TYPE	FIRE RATING	STUD GAUGE	STUD SPACING	LIMITING HEIGHT L/240	LIMITING HEIGHT L/360	ACOUSTIC INSULATION	STC	UL LISTING WALL	UL LISTING BOTTOM
FB2	NR	25	16" O.C.	---	---	---	26	---	---
FB3	NR	25	16" O.C.	---	---	---	26	---	---
FB4	NR	25	16" O.C.	---	---	---	26	---	---
FB6	NR	25	16" O.C.	---	---	---	26	---	---

3" = 1'-0" INTERIOR PARTITION TYPE | FB



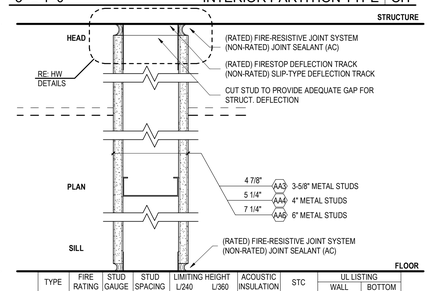
TYPE	FIRE RATING	STUD GAUGE	STUD SPACING	LIMITING HEIGHT L/240	LIMITING HEIGHT L/360	ACOUSTIC INSULATION	STC	UL LISTING WALL	UL LISTING BOTTOM
CG2	NR	25	16" O.C.	---	---	2 1/2"	43	---	---
CG3	NR	25	16" O.C.	---	---	3 1/2"	46	---	---
CG4	NR	25	16" O.C.	---	---	4"	48	---	---
CG6	NR	25	16" O.C.	---	---	6"	51	---	---

3" = 1'-0" INTERIOR PARTITION TYPE | CG



TYPE	FIRE RATING	STUD GAUGE	STUD SPACING	LIMITING HEIGHT L/240	LIMITING HEIGHT L/360	ACOUSTIC INSULATION	STC	UL LISTING WALL	UL LISTING BOTTOM
AB3	0S	25	16" O.C.	14'-4"	12'-4"	3 1/2"	46	---	---
AB3	1F	25	16" O.C.	14'-4"	12'-4"	3 1/2"	46	U465	BW-S-0001
AB3	1S	25	16" O.C.	14'-4"	12'-4"	3 1/2"	46	U465	BW-S-0001
AB3	NR	25	16" O.C.	14'-4"	12'-4"	3 1/2"	46	---	---
AB4	0S	25	16" O.C.	15'-4"	13'-4"	4"	47	---	---
AB4	1F	25	16" O.C.	15'-4"	13'-4"	4"	47	U465	BW-S-0001
AB4	1S	25	16" O.C.	15'-4"	13'-4"	4"	47	U465	BW-S-0001
AB4	NR	25	16" O.C.	15'-4"	13'-4"	4"	47	---	---
AB6	0S	25	16" O.C.	19'-9"	17'-11"	6"	50	---	---
AB6	1F	25	16" O.C.	19'-9"	17'-11"	6"	50	U465	BW-S-0001
AB6	1S	25	16" O.C.	19'-9"	17'-11"	6"	50	U465	BW-S-0001
AB6	NR	25	16" O.C.	19'-9"	17'-11"	6"	50	---	---

3" = 1'-0" INTERIOR PARTITION TYPE | AB

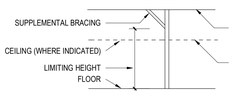


TYPE	FIRE RATING	STUD GAUGE	STUD SPACING	LIMITING HEIGHT L/240	LIMITING HEIGHT L/360	ACOUSTIC INSULATION	STC	UL LISTING WALL	UL LISTING BOTTOM
AA3	0S	25	16" O.C.	14'-4"	12'-4"	---	42	---	---
AA3	1F	25	16" O.C.	14'-4"	12'-4"	---	42	U465	BW-S-0001
AA3	1S	25	16" O.C.	14'-4"	12'-4"	---	42	U465	BW-S-0001
AA3	NR	25	16" O.C.	14'-4"	12'-4"	---	42	---	---
AA4	0S	25	16" O.C.	15'-4"	13'-4"	---	42	---	---
AA4	1F	25	16" O.C.	15'-4"	13'-4"	---	42	U465	BW-S-0001
AA4	1S	25	16" O.C.	15'-4"	13'-4"	---	42	U465	BW-S-0001
AA4	NR	25	16" O.C.	15'-4"	13'-4"	---	42	---	---
AA6	0S	25	16" O.C.	19'-9"	17'-11"	---	42	---	---
AA6	1F	25	16" O.C.	19'-9"	17'-11"	---	42	U465	BW-S-0001
AA6	1S	25	16" O.C.	19'-9"	17'-11"	---	42	U465	BW-S-0001
AA6	NR	25	16" O.C.	19'-9"	17'-11"	---	42	---	---

3" = 1'-0" PARTITION TYPE | AA

1. METAL STUD GAUGE AND SPACING INFORMATION ON PARTITION TYPES SCHEDULE DENOTES MINIMUM GAUGE AND SPACING. REFER TO SPECIFICATION FOR MORE INFORMATION.

2. THE LIMITING HEIGHTS INDICATED IN EACH PARTITION TYPE ARE THE MAXIMUM UNSUPPORTED HEIGHT FOR THAT PARTITION. REFER TO 092216 FOR REQUIREMENTS WHERE PARTITION HEIGHTS EXCEED STUD MANUFACTURER'S RECOMMENDED SPANS.



3. SYMBOL DESCRIPTION

4. ALL PARTITION TYPES SHOWN MAY NOT NEED TO BE FIRE RATED ASSEMBLIES. REFER TO PARTITION SYMBOL AND THE SAFETY PLAN FOR PARTITIONS WHICH MUST BE FIRE RATED.

5. WHENEVER A FIRE RATED PARTITION IS INDICATED ALL ELEMENTS OF THE COMPLETE ASSEMBLY MUST BE CONSTRUCTED IN STRICT COMPLIANCE WITH THE UNDERWRITERS LABORATORY AND OTHER TESTING AGENCY REQUIREMENTS
a. SEALANTS USED IN FIRE RATED PARTITIONS MUST MATCH PARTITION RATING.
6. REFER TO SPECIFICATION 092900 FOR GYPSUM BOARD TYPE / LOCATION SCHEDULE.

7. IF THE BACKER BOARD IS BEING SUBSTITUTED FOR ONE OF THE GYPSUM BOARD LAYERS IT MUST HAVE APPROVED FIRE RATING CERTIFICATION

8. THE STC RATING LISTED ARE TO SERVE AS A GENERAL INDICATOR FOR THE ACOUSTICAL PERFORMANCE OF THAT PARTITION.

9. FOR STC RATED PARTITIONS, REFER TO SCHEDULED PARTITION TYPES, ARCHITECTURAL PLANS, AND WHERE APPLICABLE, ACOUSTICAL SPECIFICATIONS: PROVIDE ANY SCHEDULED ACCESSORY ACOUSTICAL ISOLATION PRODUCTS NECESSARY TO ACHIEVE THE INDICATED STC RATING, INCLUDING (BUT NOT LIMITED TO) RESILIENT HEAD/BASE TRACK ISOLATORS. SHOULD QUESTIONS ARISE, CONSULT ARCHITECT PRIOR TO PROCEEDING WITH CONSTRUCTION.

10. ALL PARTITION TYPES INDICATED ON THIS DRAWING MAY NOT NECESSARILY BE USED ON THIS SPECIFIC PHASE OF THE PROJECT.

PARTITION ABBREVIATIONS

PARTITION LEGEND

A FULL HEIGHT TO DECK
C TO CEILING
D DOUBLE STUD/CHASE WALL
F FURRING PARTITIONS
H HORIZONTAL ASSEMBLY
M MASONRY
S SHAFT WALLS
W WOOD WALLS

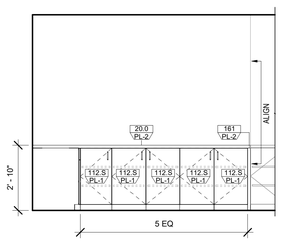
FIRE & SMOKE PROTECTION

NR= NON RATED
1F = 1 HOUR FIRE RATED
2F = 2 HOUR FIRE RATED
3F = 3 HOUR FIRE RATED

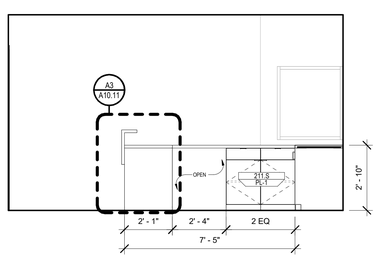
0S = 0 HOUR/SMOKE PARTITION
1S = 1 HOUR/SMOKE BARRIER
2S = 2 HOUR/SMOKE BARRIER
3S = 3 HOUR/SMOKE BARRIER

11. REFER TO LIFE-SAFETY PLANS FOR FIRE/SMOKE MARKING AND IDENTIFICATION.
12. FOR DOOR RATING IN FIRE RATED PARTITIONS, REFER TO IBC: TABLE 716.5 OPENING FIRE PROTECTION ASSEMBLIES, RATINGS AND MARKINGS

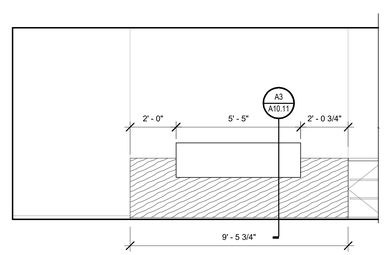
3" = 1'-0" GENERAL NOTES | 7



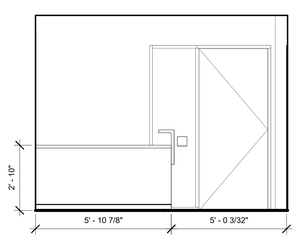
3/8" = 1'-0" RECEPTION STORAGE | A1



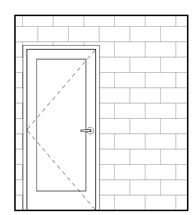
3/8" = 1'-0" RECEPTION DESK | A2



3/8" = 1'-0" RECEPTION DESK FRONT ELEVATION | A3



3/8" = 1'-0" RECEPTION ELEVATION | A4



3/8" = 1'-0" SECURE VESTIBULE ENTRY | A5

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These drawings have been prepared as one coordinated set of drawings and are complimentary. What is required by one drawing is required by all of the drawings, even if a detail or component part is not identified on every sheet. Any user's reliance on a single or select few sheet(s) of the drawings without consideration for the information included in the entire set of drawings will be at the user's sole risk and shall not form the basis for a request for additional compensation or time.

REGISTERED ARCHITECT
HEATHER R. MCSHANE
26916
STATE OF TEXAS

11 NOVEMBER 2024

	DATE	ISSUE
A	11 NOV 2024	100% Construction Documents

PROJECT NAME

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KIRKSEY PROJECT NO. 2023351

KEY PLAN

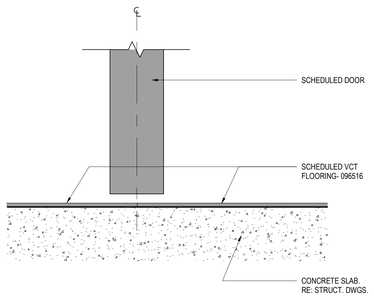
SHEET TITLE

INTERIOR ELEVATIONS

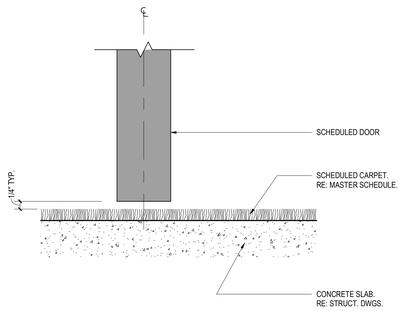
SHEET NUMBER

A8.10

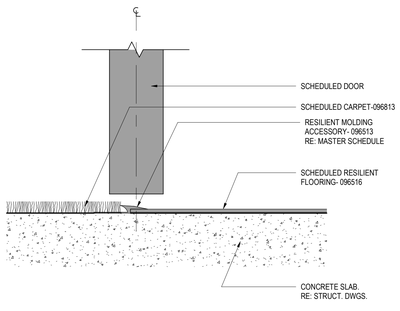
11/13/2024 10:09:16 AM Autodesk Docs://2023351 DISD Dalls, McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt



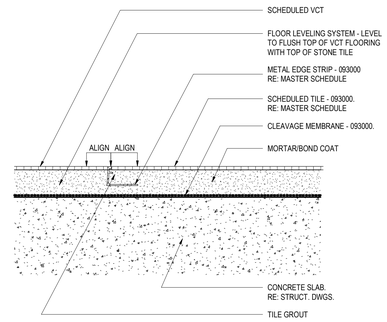
6" = 1'-0" VCT TO VCT @ DOOR | C1



6" = 1'-0" CARPET TO CARPET @ DOOR | C2

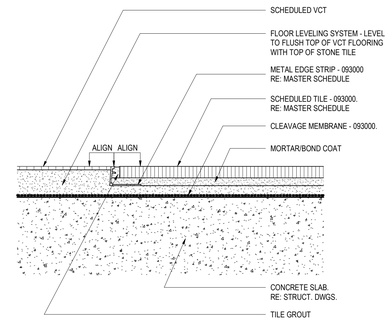


6" = 1'-0" CARPET TO VCT @ DOOR | C3



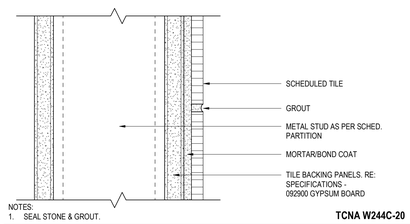
NOTE:
REFER TO TILE INSTALLATION DETAILS FOR MORE INFORMATION.

6" = 1'-0" VCT TO VCT | B1



NOTE:
REFER TO TILE INSTALLATION DETAILS FOR MORE INFORMATION.

6" = 1'-0" VCT TO TILE | B2

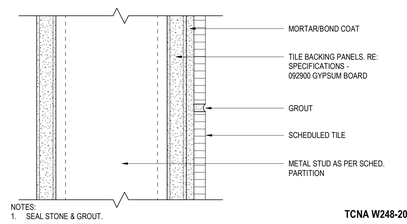


NOTES:
1. SEAL STONE & GROUT.

TCNA W244C-20

MATERIAL	ANSI STANDARD	TYPE	NOTES
*MORTAR / BOND COAT (*PORCELAIN TILE)	A118.11	LARGE & HEAVY TILE MORTAR W/ POLYMER (LHT)	-
MORTAR / BOND COAT (EXTRA LARGE GPT)	A118.15	GAUGED PORCELAIN TILE MORTAR	-
MORTAR / BOND COAT (GLASS TILE)	A118.15	IMPROVED MODIFIED DRY SET MORTAR	-
GROUT (STONE)	A118.7	HIGH PERFORMANCE, POLYMER-MODIFIED, CEMENTITIOUS GROUT	1
GROUT (PORCELAIN)	A118.3	WATER-CLEANABLE EPOXY GROUT	-
GROUT (GLASS TILE)	-	TRANSLUCENT PREMIXED POLYMER RESIN GROUT	-

6" = 1'-0" RESTROOMS & LOCKER ROOMS | B3

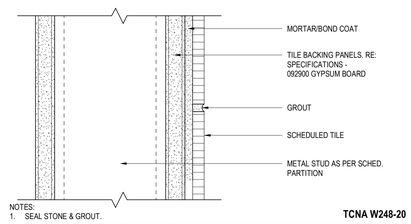


NOTES:
1. SEAL STONE & GROUT.

TCNA W248-20

MATERIAL	ANSI STANDARD	TYPE	NOTES
*MORTAR / BOND COAT (PORCELAIN TILE)	A118.11	LARGE & HEAVY TILE MORTAR W/ POLYMER (LHT)	-
MORTAR / BOND COAT (EXTRA LARGE GPT)	A118.115	GAUGED PORCELAIN TILE MORTAR	-
MORTAR / BOND COAT (GLASS TILE)	A118.15	IMPROVED MODIFIED DRY SET MORTAR	-
GROUT (STONE)	A118.7	HIGH PERFORMANCE, POLYMER-MODIFIED, CEMENTITIOUS GROUT	1
GROUT (PORCELAIN)	-	PREMIXED POLYMER RESIN GROUT	-
GROUT (GLASS TILE)	-	TRANSLUCENT PREMIXED POLYMER RESIN GROUT	-

6" = 1'-0" BREAKROOM | B4

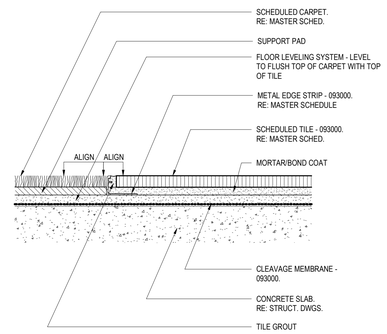


NOTES:
1. SEAL STONE & GROUT.

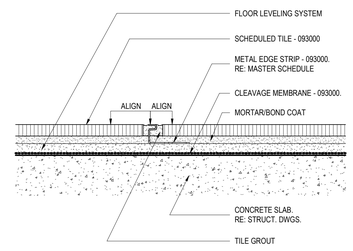
TCNA W248-20

MATERIAL	ANSI STANDARD	TYPE	NOTES
*MORTAR / BOND COAT (PORCELAIN TILE)	A118.11	LARGE & HEAVY TILE MORTAR W/ POLYMER (LHT)	-
MORTAR / BOND COAT (EXTRA LARGE GPT)	A118.15	GAUGED PORCELAIN TILE MORTAR	-
MORTAR/BOND COAT (GLASS TILE)	A118.15	IMPROVED MODIFIED DRY SET MORTAR	-
GROUT (STONE)	A118.7	HIGH PERFORMANCE, POLYMER-MODIFIED, CEMENTITIOUS GROUT	1
GROUT (PORCELAIN)	-	PREMIXED POLYMER RESIN GROUT	-
GROUT (GLASS TILE)	-	TRANSLUCENT PREMIXED POLYMER RESIN GROUT	-

6" = 1'-0" LOBBY/COMMON AREAS | B5

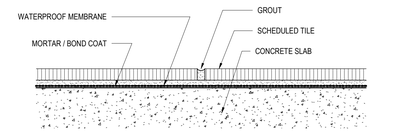


6" = 1'-0" CARPET TO TILE | A1



NOTE: REFER TO TILE INSTALLATION DETAILS FOR MORE INFORMATION.

6" = 1'-0" TILE TO TILE | A2

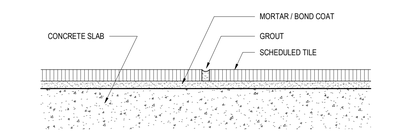


NOTES:
1. *ABOVE GROUND CONDITIONS.
2. *ON GROUND CONDITIONS. SLOPE TO DRAIN 1/8" PER FOOT.
3. SEAL STONE & GROUT.

TCNA F115A-20

MATERIAL	ANSI STANDARD	TYPE	NOTES
*WATERPROOF MEMBRANE	A118.10	CHLORINATED POLYETHYLENE SHEET OR FABRIC-REINFORCED FLUID APPLIED MEMBRANE	1
*FLOOR LEVELING SYSTEM	-	PORTLAND CEMENT MORTAR BED	2
MORTAR / BOND COAT	A118.11	LARGE & HEAVY TILE MORTAR WITH POLYMER (LHT)	-
GROUT (PORCELAIN)	A118.3	WATER-CLEANABLE EPOXY GROUT	-
GROUT (STONE)	A118.7	HIGH PERFORMANCE, POLYMER-MODIFIED, CEMENTITIOUS GROUT	3

6" = 1'-0" RESTROOM & LOCKER ROOM | A3

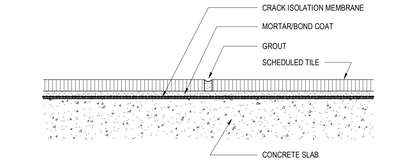


NOTES:
1. SEAL STONE & GROUT.

TCNA F115A-20

MATERIAL	ANSI STANDARD	TYPE	NOTES
*MORTAR / BOND COAT	A118.11	LARGE & HEAVY TILE MORTAR W/ POLYMER (LHT)	-
GROUT (PORCELAIN)	-	PREMIXED POLYMER RESIN GROUT	-
GROUT (STONE)	A118.7	HIGH PERFORMANCE, POLYMER-MODIFIED, CEMENTITIOUS GROUT	1

6" = 1'-0" BREAKROOM | A4



NOTES:
1. *REQUIRED IF SLAB CONDITION HAS SAW CONTROL JOINTS OR CRACKS. TCNA 125 (PARTIAL OR FULL).
2. SEAL STONE & GROUT.

TCNA F113A-20

MATERIAL	ANSI STANDARD	TYPE	NOTES
*CRACK ISOLATION MEMBRANE	A118.12	CHLORINATED POLYETHYLENE SHEET OR FABRIC-REINFORCED FLUID APPLIED MEMBRANE	1
*MORTAR / BOND COAT	A118.11	LARGE & HEAVY TILE MORTAR W/ POLYMER (LHT)	-
GROUT (PORCELAIN)	-	PREMIXED POLYMER RESIN GROUT	-
GROUT (STONE)	A118.7	HIGH PERFORMANCE, POLYMER-MODIFIED, CEMENTITIOUS GROUT	2

6" = 1'-0" LOBBY/COMMON AREAS | A5

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PROJECT NAME

ORG 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS

6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE

TILE INSTALLATION (FLOOR & WALL)

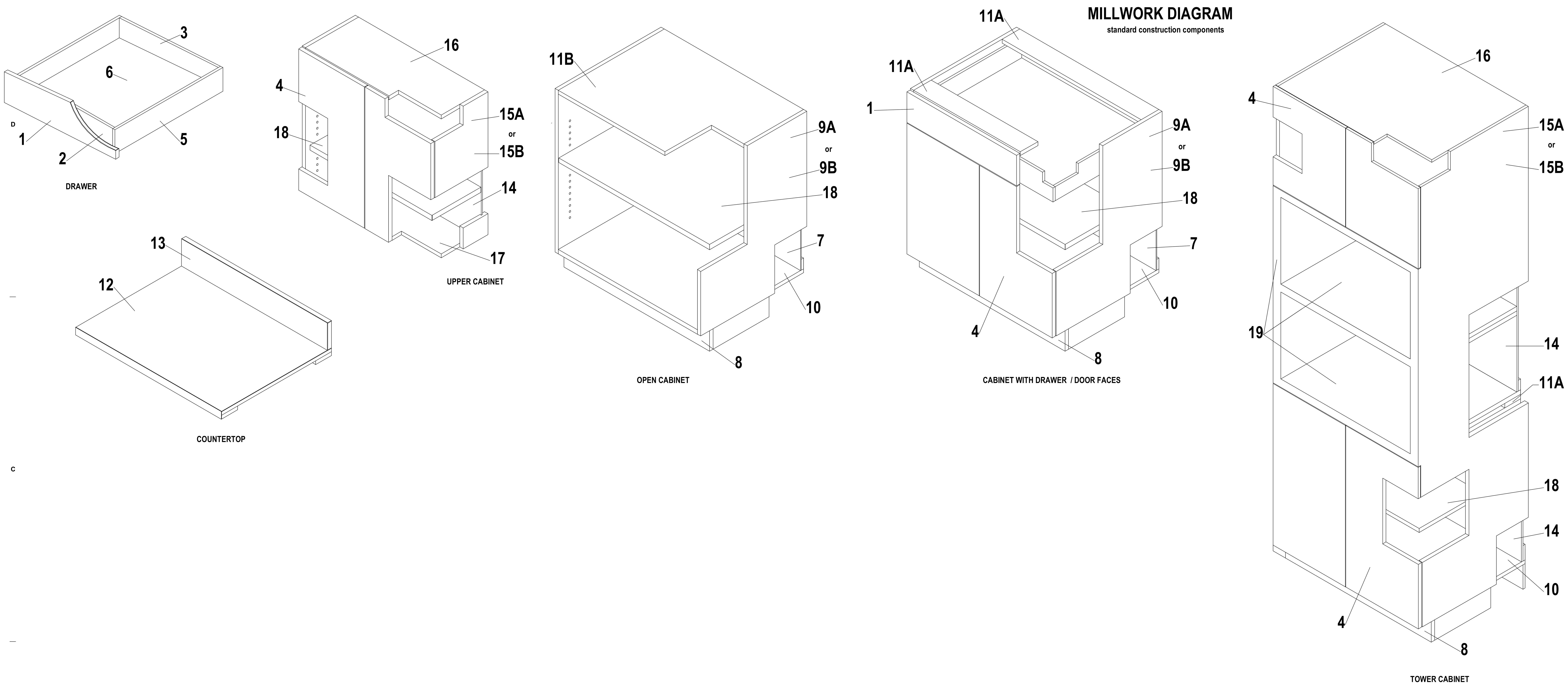
SHEET NUMBER

A9.25

11/12/2024 2:41:30 PM Autodesk Docs://2023351 DISD Dalls. McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt

MILLWORK DIAGRAM

standard construction components



VGS	VERTICAL; GRADE (.028) PLASTIC LAMINATE USED ON CABINET DOORS, DRAWERS AND FINISHED ENDS
CLS	CABINET LINER, HIGH PRESSURE LAMINATE (.020) USED ON BACK OF DOORS AND FINISHED ENDS
BKL	BACKER
MELAMINE	LOW PRESSURE MELAMINE LAMINATE
PVC	EDGEBANDING, HIGH IMPACT PVC EDGING

*ADJUSTABLE SHELVES: 3/4" THICK MATERIAL UP TO 32" SPAN AS PER "AWI" STANDARDS
*ADJUSTABLE SHELVES: 1" THICK MATERIAL GREATER THAN 32" SPAN AS PER "AWI" STANDARDS

3/4" = 1'-0" CORE AND FINISHES KEY | 1

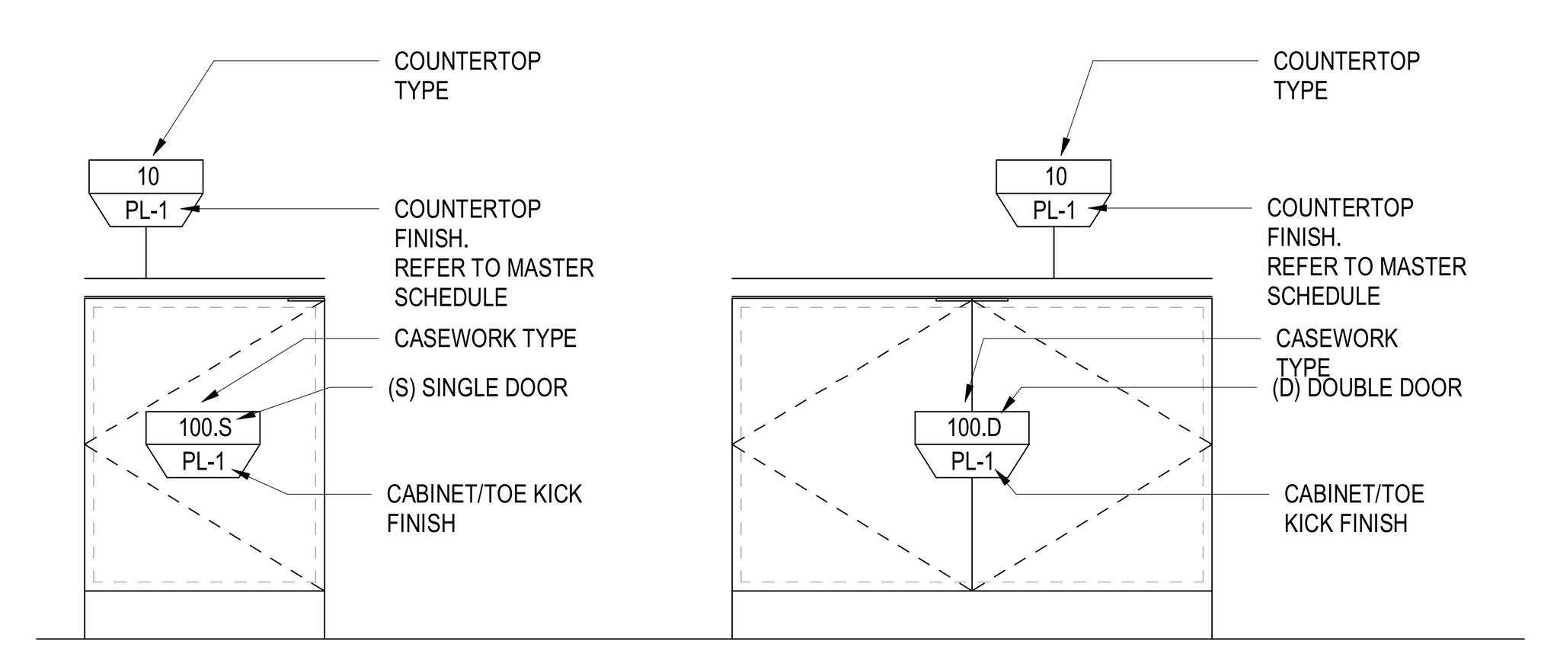
MILLWORK HARDWARE SCHEDULE

ID	PART	MANUFACTURER	MODEL NUMBER	FINISH	DESCRIPTION
HW-01	PULLS	DOUG MOCKETT	DP3A	SATIN CHROME	3" TAB PULL
HW-02	PULLS	DOUG MOCKETT	DP3C	SATIN CHROME	6" TAB PULL
HW-05	PULLS	DOUG MOCKETT	-	SATIN STAINLESS STL.	RECESSED PULL (RECTANGULAR)
HW-06	HINGES - STANDARD	BLUM	-	-	SOFT-CLOSING, SIX WAY ADJUST, 135 DEGREE
HW-07	HINGES - HEAVY DUTY	BLUM	-	-	SOFT-CLOSING, SIX WAY ADJUST, 135 DEGREE
HW-08	CATCH	IVES	-	SATIN NICKEL	ELBOW CATCH
HW-09	CATCH (TENSION)	EPCO	#1012-DB	DULL CHROME	TENSION BALL CATCH AT EACH SIDE OF TOP PANEL
HW-10	LOCK	HAFELE	235.08.054	NICKEL	MILLWORK KEYED DOOR (CAM) LOCK
HW-11	LATCH	SUGATSUNE	MLC-100WT	MATCH INTERIOR	MINI TOUCH LATCH
HW-12	ADJUSTABLE CABINET SHELF SUPPORT	HAFELE	282.04.711	NICKEL	5mm STEEL SHELF SUPPORT PIN
HW-13	DRAWER SLIDE - LIGHT DUTY	ACCURIDE	3832EC	ZINC	EASY-CLOSE, FULL EXTENSION DRAWER SLIDE, 100LBS. CAPACITY
HW-14	DRAWER SLIDE - HEAVY DUTY	ACCURIDE	3600	ZINC	FULL EXTENSION DRAWER SLIDE, 200LBS. CAPACITY
HW-15	COAT ROD	HAFELE	801.42.900	MATT ALUMINUM	ROUND WARDROBE ROD
HW-16	WARDROBE TUBE SUPPORT	HAFELE	803.56.900	MATT ALUMINUM	WARDROBE TUBE SUPPORT
HW-17	WARDROBE TUBE CENTER SUPPORT	HAFELE	802.06.367	MATT ALUMINUM	WARDROBE TUBE CENTER SUPPORT
HW-18	GROMMET	DOUG MOCKETT	EDP SERIES	WHITE	2 1/2" HOLE, 3" OVERALL DIAMETER
HW-19	GROMMET	DOUG MOCKETT	TM2C	VERIFY W/ARCHITECT	8" X 3" TRASH GROMMET
HW-20	GROMMET	DOUG MOCKETT	TM12B	VERIFY W/ARCHITECT	12" X 3" TRASH GROMMET
HW-21	WALL SHELF STANDARD & BRACKET - HEAVY DUTY	KV	85/185	ANNODIZED CHROME	WALL-MOUNTED ADJUSTABLE SHELVING, HEAVY-DUTY, DOUBLE SLOT
HW-22	WALL SHELF STANDARD & BRACKET - STANDARD	KV	80/180	ANNODIZED CHROME	WALL-MOUNTED ADJUSTABLE SHELVING, REGULAR-DUTY, SINGLE SLOT
HW-23	STOP SILENCERS	-	-	-	INSTALLED AT THE TOP AND BOTTOM OF ALL HINGED CABINET DOORS
HW-24	FILE RAIL SYSTEM	KINETRON CORP.	KIKHFB	-	KINE FLEX FILE BRACKETS
HW-25	FILE RAIL SYSTEM	KINETRON CORP.	KI58	-	KINE FLEX FILE BAR RAIL
HW-26	CABINET FAN - STANDARD	COOLERGUYS	CABCOOL 1201	-	FOR PRINTER AND PC EQUIPMENT. SINGLE 120MM FAN KIT WITH THERMAL CONTROLLER
HW-27	CABINET FAN - HEAVY DUTY	COOLERGUYS	CABCOOL 1202-M	-	FOR AV OR HIGH HEAT SOURCE EQUIPMENT. PRO-METAL SERIES DUAL 120MM FAN KIT WITH THERMAL CONTROLLER
HW-28	TRASH - LARGE	CARLISLE	SQUARE BRUTE 28 GAL #3526	-	PROVIDED BY CONTRACTOR
HW-29	TRASH - SLIM PULL OUT DRAWER	REV-A-SHELF	5149-1550DM-117	ALUMINUM	ALUM. BOTTOM MOUNT WASTE CONTAINER DRAWER SYSTEM - GC CONFIRM FIT AND SIZE
HW-30	TRASH - SLIM CONTAINER	REV-A-SHELF	RV-50-12-52	CHAMPAGNE	DOUBLE 50 QT. WASTE CONTAINER
HW-31	PIVOTING POCKET DOOR SYSTEM	HAFELE/ACCURIDE	408.35.357 (VERIFY DEPTH)	ZINC; COLOR: BLACK	PIVOTING POCKET DOOR HARDWARE (SERIE:123). DOORS - 42" H. MAX. X 24" W. W/ HINGES)
HW-32	PIVOTING POCKET DOOR SYSTEM	HAFELE/ACCURIDE	408.24.461 (VERIFY DEPTH)	ZINC; COLOR: BLACK	PIVOTING POCKET DOOR HARDWARE (SERIE: 1332). TALL DOORS - 36"-78" H. W/ HINGES)
HW-33	HINGES	HAFELE/ACCURIDE	408.24.032	ZINC PLATED	OVERLAY APPLICATION FOR FRAMELESS CABINETS
HW-34	UNI-CONNECTOR	HAFELE	260.15.300	BLACK (PLASTIC)	FOR REMOVABLE PANEL AT BASE CABINET (FAIR HOUSING)

3/4" = 1'-0" MILLWORK HARDWARE SCHEDULE | 2

SINGLE / DOUBLE DOOR CONFIGURATIONS:

FOR SIMPLICITY, CASEWORK TYPES ARE SHOWN AS SINGLE DOOR CONFIGURATION ONLY. HOWEVER, SOME CASEWORK HAVE DOUBLE DOORS. REFER TO INTERIOR ELEVATION AND TAG FOR DOOR CONFIGURATION REQUIREMENTS. TAGS INCLUDE (S) FOR SINGLE DOOR , AND (D) FOR DOUBLE DOOR CONFIGURATIONS. BELOW IS AN EXAMPLE.



100.00 (S) - SINGLE DOOR OPEN CABINET

100.00 (D) - DOUBLE DOOR OPEN CABINET

3/4" = 1'-0" MILLWORK AND HARDWARE NOTES | A5

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PROJECT NAME
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PROJECT ADDRESS
6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE
COMMERCIAL CASEWORK (LEGEND & SCHEDULES)

SHEET NUMBER
A10.10

Autodesk Docs://2023351 DISD Dade, McShane, Polk Renovations/ARCH_2023351_C_Polk_2023.rvt
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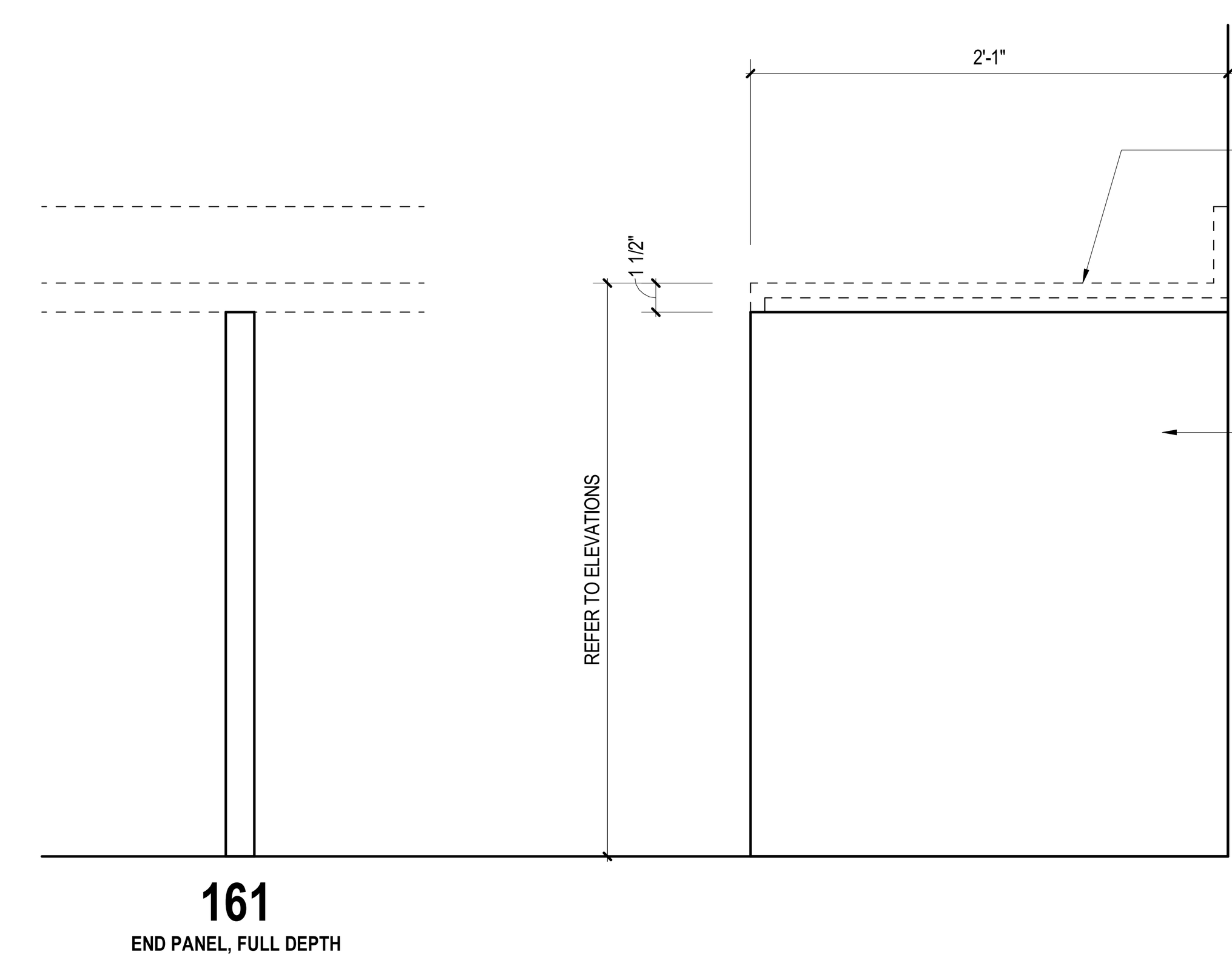
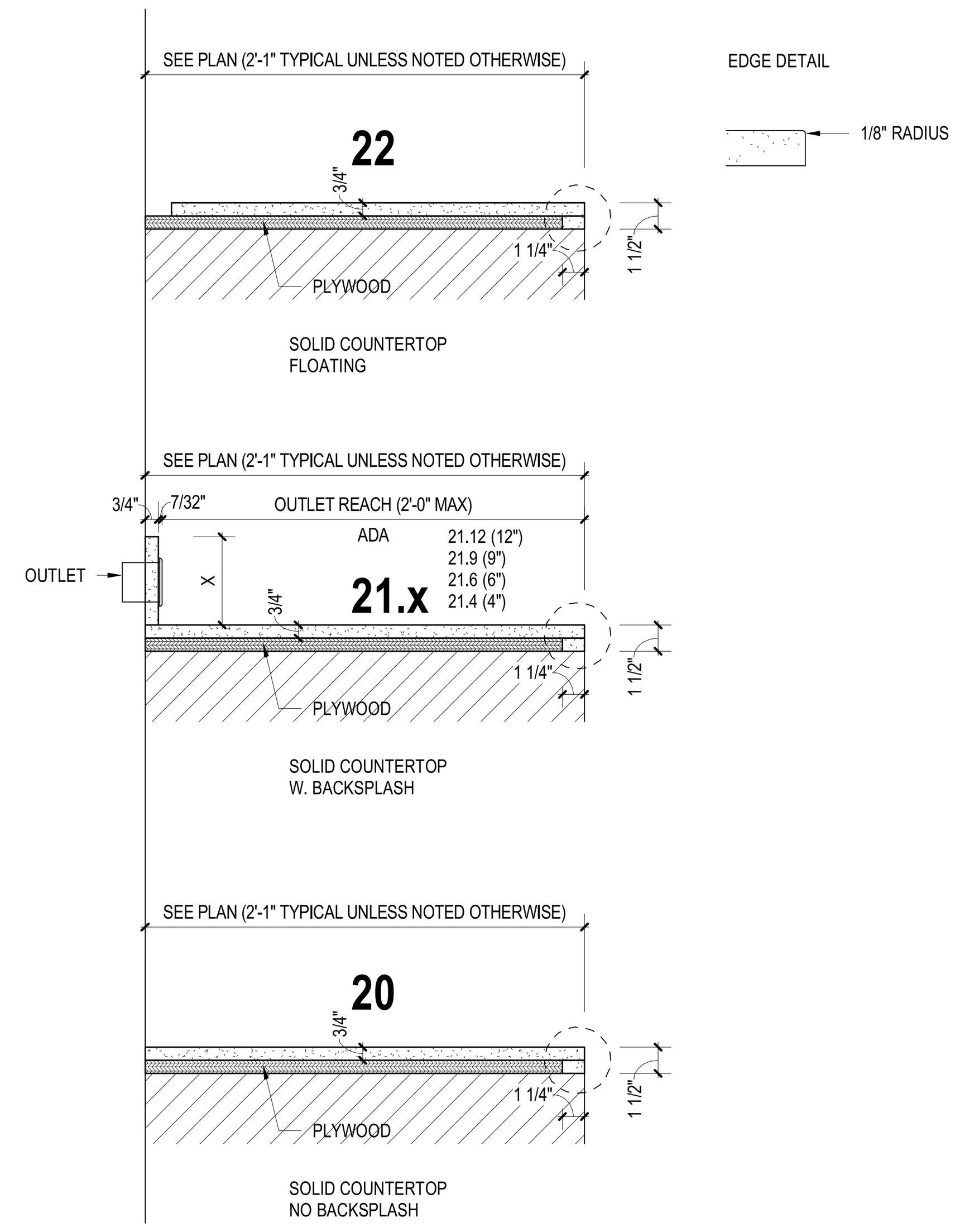
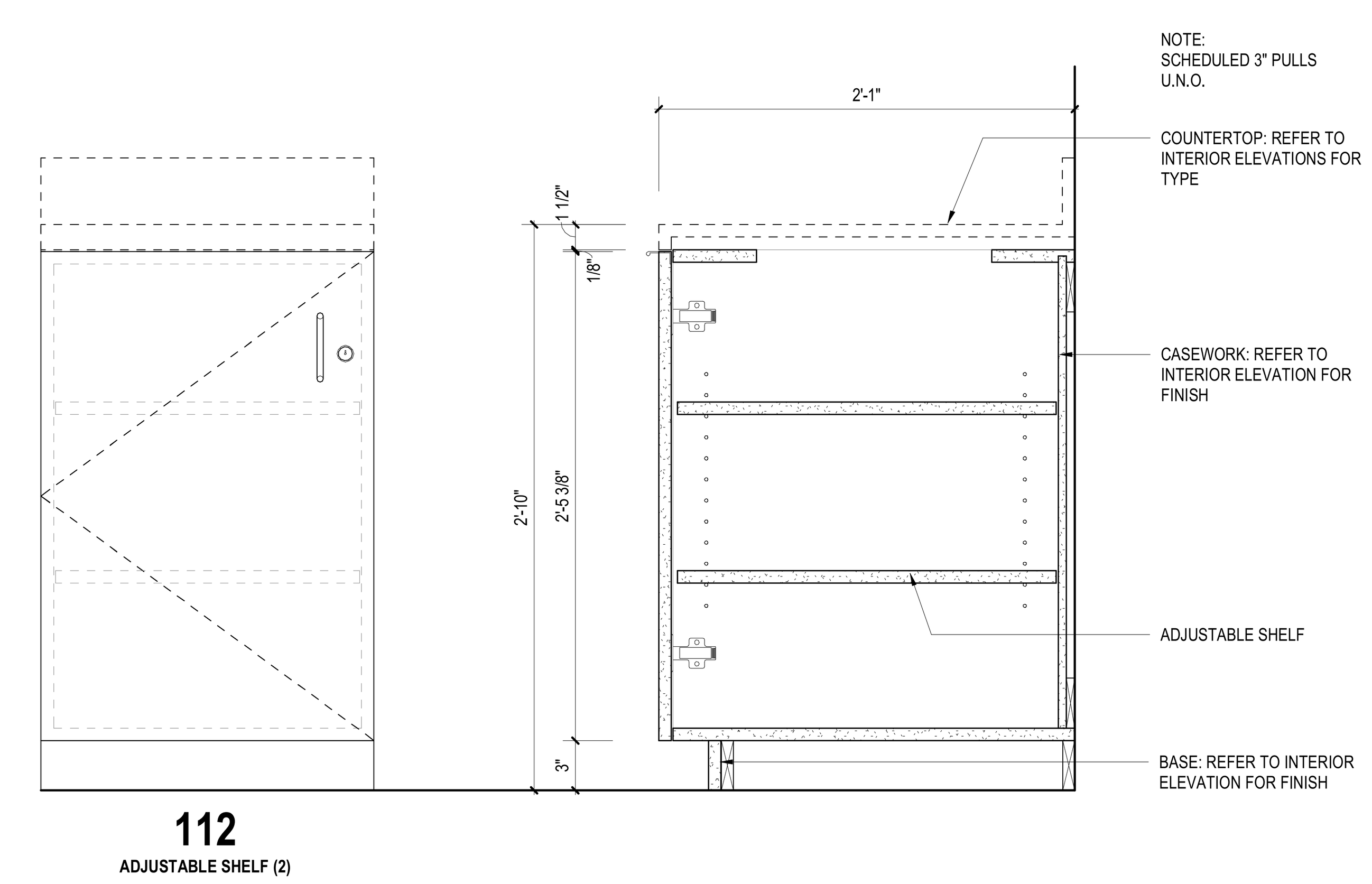


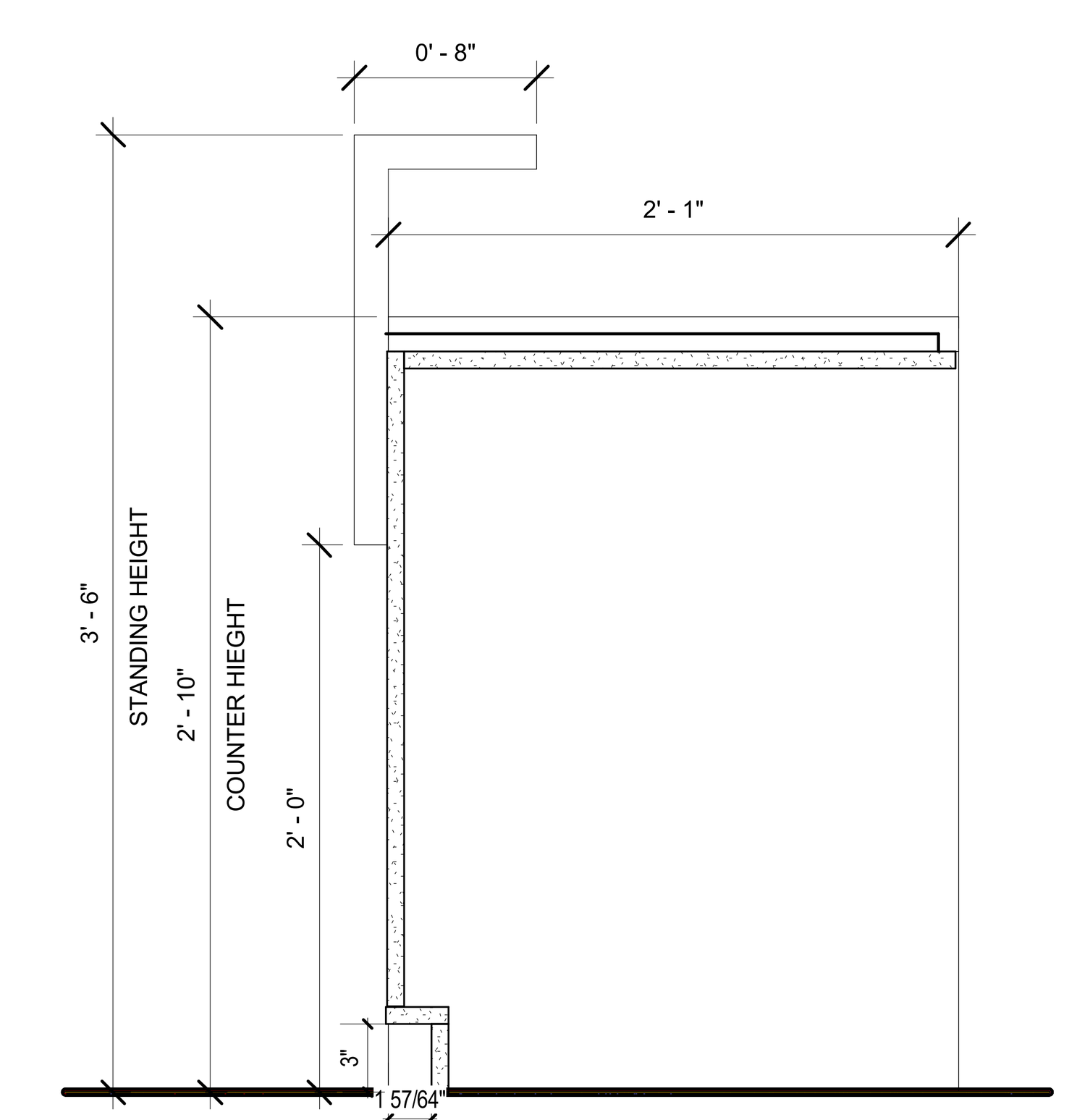
1 1/2" = 1'-0" PANELS & SUPPORTS (END PANEL FULL DEPTH) C5



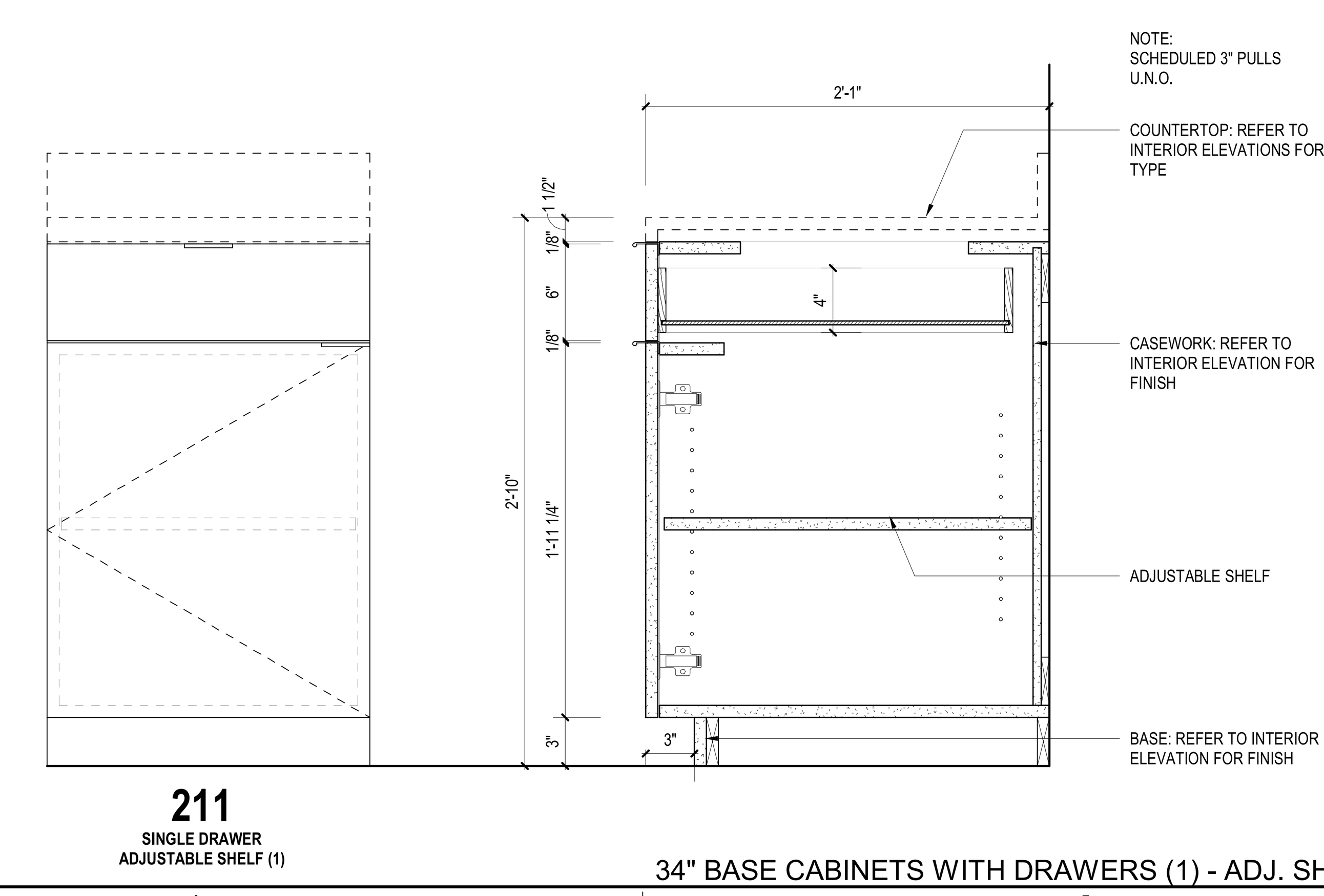
1 1/2" = 1'-0" SOLID COUNTERTOP B3



1 1/2" = 1'-0" 34" BASE CABINET W/O DRAWERS (ADJ. SHELF - 2) B4



1 1/2" = 1'-0" RECEPTION DESK SECTION A3



1 1/2" = 1'-0" 34" BASE CABINETS WITH DRAWERS (1) - ADJ. SHELF (1) A5

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PROJECT NAME
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KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE
CASEWORK DETAILS

SHEET NUMBER
A10.11

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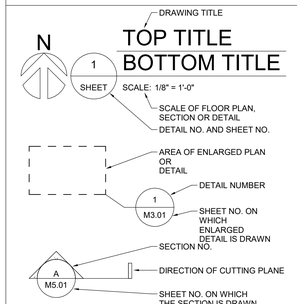
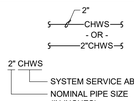
MECHANICAL SYMBOL LEGEND

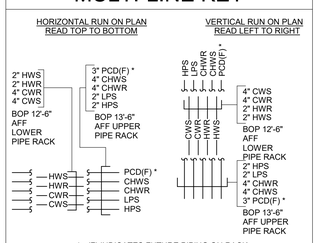
GRAPHIC SYMBOLS



PIPING DESIGNATION



MULTI-LINE KEY



* - (F) INDICATES FUTURE PIPING ON RACK

MISCELLANEOUS SYMBOLS

XXX-1	EQUIPMENT DESIGNATION
	SINGLE LINE PIPE/DUCTWORK BREAK
	DOUBLE LINE PIPE/ROUND DUCTWORK BREAK
	RECTANGULAR DUCT/STANDARD BREAK
1	KEYED NOTE
1	REVISION DELTA
	POINT OF DISCONNECTION
	POINT OF CONNECTION (NEW TO EXISTING)
	NEW ITEMS (PIPING/DUCTWORK/EQUIPMENT)
	EXISTING ITEMS TO REMAIN
	EXISTING ITEMS TO BE DEMOLISHED
	LIMIT OF EXISTING ITEMS TO BE REMOVED
	NEW CONNECTION TO EXISTING ITEM
(N)	NEW ITEM (NOTATION SHOWN AS NECESSARY FOR CLARIFICATION)
(E)	EXISTING ITEM TO REMAIN (NOTATION SHOWN AS NECESSARY FOR CLARIFICATION)
(F)	FUTURE ITEM (NOTATION SHOWN AS NECESSARY FOR CLARIFICATION)
(R)	EXISTING ITEM TO BE RELOCATED (NOTATION SHOWN AS NECESSARY FOR CLARIFICATION)
(D)	EXISTING ITEM TO BE DEMOLISHED (NOTATION SHOWN AS NECESSARY FOR CLARIFICATION)

PIPE & FITTING SYMBOLS

DOUBLE LINE	SINGLE LINE	DESCRIPTION
		PIPE
		DIRECTION OF FLOW / SLOPE
		PIPING WITH INSULATION (WHEN SHOWN FOR CLARITY)
		WELDED JOINT
		SCREWED JOINT
		FLANGED JOINT
		UNION
		GROOVED END JOINT
		GENERIC FLEXIBLE COUPLING (REFER TO SPECIFICATIONS)
		GROOVED END ADAPTER FLANGE
		FLANGED COUPLING ADAPTER
		STUB END OR FLANGE ADAPTER W/ FLANGE RING
		BLIND FLANGE
		ELBOW, 45 DEGREE (LONG RADIUS UON)
		ELBOW, 90 DEGREE (LONG RADIUS UON)
		ELBOW, 90 DEGREE - CHANGE IN DIRECTION TOWARD VIEWER
		ELBOW, 90 DEGREE - CHANGE IN DIRECTION AWAY FROM VIEWER
		TEE FITTING
		TEE FITTING, BRANCH TOWARD VIEWER
		TEE FITTING, BRANCH AWAY FROM VIEWER
		LATERAL
		REDUCER - CONCENTRIC
		REDUCER - ECCENTRIC
		CAP
		ANCHOR
CO	CO	CLEANOUT
		THERMOWELL WITH THERMOMETER
		PRESSURE GAUGE WITH GAUGE COCK
		STRAINER - "Y" TYPE WITH BLOW DOWN
	S	AIR SEPARATOR
M	M	WATER METER
		VENTURI FLOW METER
		FLOW ORIFICE PLATE
F&T	F&T	STEAM TRAP, TYPE AS NOTED IB = INVERTED BUCKET F&T = FLOAT & THERMOSTATIC TH = THERMODYNAMIC BP = BALANCED PRESSURE
		PUMP, ARROW INDICATES FLOW

NOTE:
WELDED FITTINGS ARE SHOWN FOR DOUBLE LINE PIPING.
FITTINGS WITH OTHER END CONDITIONS ARE SIMILAR.

VALVE SYMBOLS

DOUBLE LINE	SINGLE LINE	DESCRIPTION
		GATE VALVE
		BUTTERFLY VALVE
		BALL VALVE
		DIAPHRAGM VALVE
		GLOBE VALVE
		PLUG VALVE
		CHECK VALVE
		PRESSURE REDUCING VALVE
		BALANCING VALVE
		PRESSURE RELIEF VALVE
		AUTOMATIC AIR VENT
		MANUAL AIR VENT

CONTROL VALVES

DOUBLE LINE	SINGLE LINE	DESCRIPTION
T	T	TWO-WAY, TWO POSITION CONTROL VALVE
S	S	TWO-WAY, TWO POSITION CONTROL VALVE W/ SOLENOID
M	M	TWO-WAY, MODULATING CONTROL VALVE
T	T S	THREE-WAY, TWO POSITION CONTROL VALVE
M	M S	THREE-WAY, MODULATING CONTROL VALVE

CONTROL SYMBOLS

WALL MOUNTED DEVICES

T	TEMPERATURE SENSOR/THERMOSTAT
H	HUMIDITY SENSOR/HUMIDISTAT
M	MOTION SENSOR
R	OVERRIDE SWITCH
CO2	CARBON DIOXIDE SENSOR
CO	CARBON MONOXIDE SENSOR
VFD	VARIABLE FREQUENCY DRIVE

EQUIPMENT SYMBOLS

	ROOFTOP EXHAUST FAN (ROOF PLAN VIEW)
	ROOFTOP EXHAUST FAN (ROOF PLAN VIEW)
	INLINE EXHAUST FAN (EF), AIR HANDLING UNIT (AHU), CONDENSING UNIT (CU)
	WALL LOUVER WITH POSITIVE OR NEGATIVE AIRFLOW
UC	DOOR UNDERCUT (SPECIFY CFM IF REQUIRED)
LD	DOOR LOUVER (SPECIFY CFM IF REQUIRED)

DUCTWORK SYMBOLS

DOUBLE LINE	SINGLE LINE	DESCRIPTION
AxB	AxB	RECTANGULAR OR SQUARE DUCT, DIMENSIONS ARE IN INCHES, MIN. INSIDE CLEAR, A = WIDTH, B= HEIGHT
A"Ø	A"Ø	ROUND DUCT DIMENSIONS ARE IN INCHES, MIN. INSIDE CLEAR, A = DIAMETER
AxBØ	AxBØ	FLAT OVAL DUCT DIMENSIONS ARE IN INCHES, MIN. INSIDE CLEAR, A = WIDTH, B= HEIGHT
R D	R D	DUCTWORK RISE (R) OR DROP (D) RELATIVE TO DIRECTION OF AIRFLOW
		DIRECTION OF AIR FLOW
		SUPPLY AIR OR POSITIVE PRESSURE DUCTWORK, SECTION TOWARDS/AWAY VIEWER
		SUPPLY AIR OR POSITIVE PRESSURE DUCTWORK, AIRFLOW AWAY FROM VIEWER
		RETURN AIR OR NEGATIVE PRESSURE DUCTWORK, AIRFLOW TOWARDS VIEWER
		RETURN AIR OR NEGATIVE PRESSURE DUCTWORK, AIRFLOW AWAY FROM VIEWER
		EXHAUST AIR DUCTWORK, AIRFLOW TOWARDS VIEWER
		EXHAUST AIR DUCTWORK, AIRFLOW AWAY FROM VIEWER
		RIGID ROUND DUCTWORK, AIRFLOW TOWARDS VIEWER
		RIGID ROUND DUCTWORK, AIRFLOW AWAY FROM VIEWER
		TRANSITION - ECCENTRIC REDUCER
		TRANSITION - CONCENTRIC REDUCER
		TRANSITION - SQUARE TO ROUND
		90° ELBOW WITH TURNING VANES (REQUIRED ON SUPPLY DUCTWORK)
		90° ELBOW WITHOUT TURNING VANES (RETURN OR EXHAUST DUCTWORK ONLY)
		45° ELBOW WITH TURNING VANES (REQUIRED ON SUPPLY DUCTWORK)
		45° ELBOW WITHOUT TURNING VANES (RETURN OR EXHAUST DUCTWORK ONLY)
R		RADIUS 90° ELBOW (R = 1.5W)
R		RADIUS 45° ELBOW (R = 1.5W)
A"Ø	A"Ø	SPIN-IN FITTING WITH FLEXIBLE DUCTWORK, DIMENSIONS ARE IN INCHES, MIN. INSIDE CLEAR, A = DIAMETER
		BRANCH TAKE-OFF WITH MVD
		CONICAL TAKE-OFF WITH MVD
		MANUAL VOLUME DAMPER
FD	FD	FIRE DAMPER
FSD	FSD	FIRE/SMOKE DAMPER
SD	SD	SMOKE DAMPER
BDD	BDD	BACKDRAFT DAMPER
M	M	MOTORIZED DAMPER
B	B	BAROMETRIC DAMPER
S	S	SMOKE DETECTOR

DUCTWORK SYMBOLS

DOUBLE LINE	SINGLE LINE	DESCRIPTION
SP	SP	STATIC PRESSURE SENSOR
T	T	TEMPERATURE SENSOR
H	H	HUMIDITY SENSOR
CO2	CO2	CARBON DIOXIDE SENSOR
DP	DP	DIFFERENTIAL PRESSURE SENSOR
DPS	DPS	DIFFERENTIAL PRESSURE SAFETY SHUT-DOWN RELAY
AF	AF	AIRFLOW PROOF SWITCH
		ACCESS PANEL/CLEANOUT

AIR DISTRIBUTION

REFER TO SCHEDULE FOR ADDITIONAL INFORMATION

	SUPPLY AIR DIFFUSER
	RETURN AIR OR TRANSFER AIR GRILLE
	EXHAUST AIR GRILLE
	ROUND SUPPLY AIR DIFFUSER
	LINEAR SLOT DIFFUSER
CRD	CEILING RADIATION DAMPER
	SIDEWALL REGISTER
	DUCT MOUNTED GRILLE
S1 8"Ø 250 TYP OF 2	AIR DISTRIBUTION CALLOUT

THIS IS A STANDARD LEGEND SHEET. SOME INFORMATION ON THIS SHEET MAY NOT NECESSARILY APPLY TO THIS PROJECT.

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PROJECT NAME
Org 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS
6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE
MECHANICAL SYMBOL LEGEND

SHEET NUMBER
M0.01

CAMPOS ENGINEERING
1331 River Bend Drive
Dallas, Texas 75247
(214) 696-6291
campos@camposengineering.com
Registration No: F-001731
Project Number: D24-3447.00

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ABBREVIATIONS

A (0.5)	COMPRESSED AIR (WORKING PRESS.)	FCU	FAN COIL UNIT	POS	POSITIVE
AAV	AUTOMATIC AIR VENT	FD	FLOOR DRAIN	PR	PUMPED RETURN
ABV	ABOVE	°F	FAHRENHEIT [DEGREES]	PG	PRESSURE GAUGE
AC	ALTERNATING CURRENT	FLA	FULL LOAD AMPS	PH	PHASE
A/C	AIR CONDITIONING	FLG	FLANGE	PHC	PREHEAT COIL
ACU	AIR CONDITIONING UNIT	FMS	FACILITY MANAGEMENT SYSTEM	PRV	PRESSURE REDUCING VALVE
AD	ACCESS DOOR, AREA DRAIN	FOB	FLAT ON BOTTOM	PPM	PARTS PER MILLION
AFF	ABOVE FINISHED FLOOR	FOT	FLAT ON TOP	PLBG	PLUMBING
AHU	AIR HANDLING UNIT	FPB	FAN POWERED BOX	PRESS	PRESSURE
AI	ANALOG INPUT	FPI	FINS PER INCH	PS	PRESSURE SWITCH
ALT	ALTITUDE	FPM	FEET PER MINUTE	PSF	POUNDS PER SQUARE FOOT
AMB	AMBIENT	FPS	FEET PER SECOND	PSI	POUNDS PER SQUARE INCH
AMP	AMPERE	FRP	FIBERGLASS REINFORCED PLASTIC	PSIG	POUNDS PER SQUARE INCH GAUGE
AO	ANALOG OUTPUT	FT	FOOT, FEET	PTAC	PACKAGED TERMINAL A/C
AP	ACCESS PANEL	FT LB	FOOT-POUND		
APD	AIR PRESSURE DROP			Q	TOTAL, TOTAL HEAT
APPROX	APPROXIMATE	GA	GAUGE, GAGE	QT	QUART
AS	AIR SEPARATOR	GAL	GALLON	QTY	QUANTITY
ASC	ABOVE SUSPENDED CEILING	GALV	GALVANIZED		
AHJ	AUTHORITY HAVING JURISDICTION	GEN	GENERATOR	R	RELIEF, THERMAL RESISTANCE
AVG	AVERAGE	GPD	GALLONS PER DAY	RA	RETURN AIR
AWG	AMERICAN WIRE GAUGE	GPH	GALLONS PER HOUR	RAC	ROOM AIR CONDITIONER
		GPM	GALLONS PER MINUTE	RECT	RECTANGULAR
B&S	BELL & SPIGOT	GSW	GROUND SOURCE WATER (GEOTHERMAL)	REFR	REFRIGERATION
B/B	BACK TO BACK	GTV	GATE VALVE	RET	RETURN
BAL	BALANCE			RED	REDUCER
BBR	BASE BOARD RADIATOR	HC	HEATING COIL	REV	REVOLUTIONS
BFC	BELOW FINISHED CEILING	HD	HEAD	REF	REFERENCE
BFG	BELOW FINISHED GRADE	HG	HEAT GAIN	RH	RELATIVE HUMIDITY
BFV	BUTTERFLY VALVE	HGT	HEIGHT	RHC	REHEAT COIL
BFBP	BOILER FEED BOOSTER PUMP	HP	HEAT PUMP, HORSEPOWER	RHG	REFRIGERANT HOT GAS
BFW	BOILER FEED WATER	HPC	HIGH PRESSURE CONDENSATE	RHV	REHEAT VALVE
BLDG	BUILDING	HPS	HIGH PRESSURE STEAM (>100 PSI)	RL	REFRIGERANT LIQUID
BHP	BRAKE HORSEPOWER	HR	HOUR	RPM	REVOLUTIONS PER MINUTE
BLR	BOILER	HS	HUMIDITY SENSOR	RPS	REVOLUTIONS PER SECOND
BLW	BELOW	HSTAT	HUMIDISTAT	RS	REFRIGERANT SUCTION
BO	BLOWOFF	HVAC	HEATING, VENTILATION AND A/C	RTU	ROOF TOP UNIT
BOD	BOTTOM OF DUCT	HW	HEATING WATER	RV	RELIEF VALVE
BOP	BOTTOM OF PIPE	HWB	HEATING WATER BOILER		
BOS	BOTTOM OF STEEL	HWC	HEATING WATER COIL	S	SECOND
BTU	BRITISH THERMAL UNIT	HWCP	HEATING WATER CIRCULATING PUMP	SA	SUPPLY AIR
BTUH	BRITISH THERMAL UNIT PER HOUR	HWP	HEATING WATER PUMP	SAT	SATURATION
BV	BALL VALVE	HWR	HEATING WATER RETURN	SC	SHADING COEFFICIENT
BYP	BYPASS	HWS	HEATING WATER SUPPLY	SEER	SEASONAL EER
		HWT	HEATING WATER TANK	SF	SQUARE FEET
°C	CELSIUS [DEGREES]	HZ	HERTZ (FREQUENCY)	SG	SPECIFIC GRAVITY, STEAM GAUGE
C/C	COOLING COIL			SH	SENSIBLE HEAT
CAP	CAPACITY	I/O	INPUT/OUTPUT	SHG	SENSIBLE HEAT GAIN
CD	CONDENSATE DRAIN	ID	INSIDE DIAMETER	SHGC	SOLAR HEAT GAIN COEFFICIENT
CF	CHEMICAL FEED	IE	INVERT ELEVATION	SHR	SENSIBLE HEAT RATIO
CFM	CUBIC FEET PER MINUTE	IN WC	INCHES WATER COLUMN	SOLV	SOLENOID VALVE
CFS	CUBIC FEET PER SECOND	INV	INVERT	SOV	SHUT OFF VALVE
CH	CHILLER	IOM	INSTALLATION, OPERATION, AND MAINTENACE	SP	STATIC PRESSURE, SUMP PUMP
CHW	CHILLED WATER			SPEC	SPECIFICATION
CHWP	CHILLED WATER PUMP	IP	IRON PIPE	SPLY	SUPPLY
CHWPP	CHILLED WATER PRIMARY PUMP	IPS	IRON PIPE SIZE, INCHES PER SECOND	SPS	STATIC PRESSURE SENSOR
CHWR	CHILLED WATER RETURN	IPT	IRON PIPE THREADED	SQ	SQUARE
CHWS	CHILLED WATER SUPPLY	IR	INFRARED	SSP	STAINLESS STEEL PIPE
CHWSP	CHILLED WATER SECONDARY PUMP	IW	INDIRECT WASTE	SST	STAINLESS STEEL
CI	CAST IRON			STD	STANDARD
CIP	CAST IRON PIPE	K	KELVIN, THERMAL CONDUCTIVITY	STM	STEAM
CKT	CIRCUIT	KIP	THOUSAND POUNDS	STR	STRAINER
CKV	CHECK VALVE	KIP FT	THOUSAND FOOT-POUNDS	STWP	STEAM WORKING PRESSURE
CL	CENTER LINE (℄)	KW	KILOWATT	SUCT	SUCTION
CONN	CONNECTION	KWh	KILOWATT HOUR	SUP	SUPPLY
CPD	CONDENSATE PUMP DISCHARGE			SV	SAFETY VALVE
CRAC	COMPUTER ROOM A/C UNIT	LAT	LEAVING AIR TEMPERATURE		
CRP	CONDENSATE RETURN PUMP	LB	POUNDS	T	TEMPERATURE SENSOR
CT	COOLING TOWER	LDBT	LEAVING DRY BULB TEMPERATURE	T&P	TEMPERATURE AND PRESSURE
CU	CONDENSING UNIT	LF	LINEAR FEET	TCV	TEMPERATURE CONTROL VALVE
CU FT	CUBIC FEET	LG	LENGTH	TD	TEMPERATURE DIFFERENCE
CU IN	CUBIC INCH	LH	LATENT HEAT	TEMP	TEMPERATURE
CUH	CABINET UNIT HEATER	LHG	LATENT HEAT GAIN	TOP	TOP OF PIPE
Cv	COEFFICIENT - VALVE FLOW	LP	LOW PRESSURE	TRANS	TRANSFER
CW	COLD WATER (POTABLE)	LPC	LOW PRESSURE CONDENSATE	TSTAT	THERMOSTAT
CWP	CONDENSER WATER PUMP	LPS	LOW PRESSURE STEAM (<15 PSI)		
CWR	CONDENSER WATER RETURN	LRA	LOCKED ROTOR AMPS	U	HEAT TRANSFER COEFFICIENT
CWS	CONDENSER WATER SUPPLY	LT	LEAVING TEMPERATURE	U/G	UNDERGROUND
		LTHW	LOW TEMPERATURE HOT WATER	UH	UNIT HEATER
D	DRAIN	LWBT	LEAVING WET BULB TEMPERATURE	UON	UNLESS OTHERWISE NOTED
DB	DRY BULB	LWT	LEAVING WATER TEMPERATURE		
DBT	DRY BULB TEMPERATURE			V	VOLTS
dB	DECIBEL	mA	MILLIAMPERES	VAC	VOLTS ALTERNATING CURRENT
DC	DIRECT CURRENT	MAX	MAXIMUM	VAR	VARIABLE
DDC	DIRECT DIGITAL CONTROL	MCA	MINIMUM CIRCUIT AMPACITY	VAV	VARIABLE AIR VOLUME
DEG	DEGREES [CELSIUS OR FAHRENHEIT]	MCC	MOTOR CONTROL CENTER	VDC	VOLTS DIRECT CURRENT
DENS	DENSITY	MIN	MINIMUM	VEL	VELOCITY
DEWPT	DEW POINT TEMPERATURE	MOCP	MAXIMUM OVERCURRENT PROTECTION	VENT	VENT, VENTILATION
DIA	DIAMETER	MOV	MOTOR OPERATED VALVE	VERT	VERTICAL
DIP	DUCTILE IRON PIPE	MP	MEDIUM PRESSURE	VFD	VARIABLE FREQUENCY DRIVE
DOV	DRAIN OFF VALVE	MPC	MEDIUM PRESSURE CONDENSATE	VP	VELOCITY PRESSURE
DPS	DIFFERENTIAL PRESSURE SENSOR	MPS	MEDIUM PRESSURE STEAM (16-99 PSI)	VRF	VARIABLE REFRIGERANT FLOW
DPT	DIFFERENTIAL PRESSURE TRANSMITTER	MPT	MALE PIPE THREAD	VSD	VARIABLE SPEED DRIVE
DS	DISCONNECT SWITCH	MU	MAKE-UP WATER		
DWV	DRAIN, WASTE & VENT	MVD	MANUAL VOLUME DAMPER	W	WATT
				WB	WET BULB
EA	EXHAUST AIR	NA	NOT APPLICABLE	WBT	WET BULB TEMPERATURE
EP	ELECTRIC PNEUMATIC	NC	NOISE CRITERIA, NORMALLY CLOSED	WC	WATER COLUMN
EAT	ENTERING AIR TEMPERATURE	NIC	NOT IN CONTRACT	WG	WATER GAGE
ECON	ECONOMIZER	NO	NORMALLY OPEN, NUMBER	WH	WATER HEATER
ECU	EVAPORATIVE COOLING UNIT	NPS	NOMINAL PIPE SIZE	WL	WATER LINE
EDBT	ENTERING DRY BULB TEMPERATURE	NR	NOISE REDUCTION	WLD	WELDED
EDH	ELECTRIC DUCT HEATER	NRC	NOISE REDUCTION COEFFICIENT	WM	WATER METER
EER	ENERGY EFFICIENCY RATIO	NTS	NOT TO SCALE	WNF	WELD NECK FLANGE
EF	EXHUAST FAN			WP	WATER PUMP
EFF	EFFICIENCY	OA	OUTSIDE AIR	WPD	WATER PRESSURE DROP
EL	ELEVATION	OAF	OUTSIDE AIR FAN	WPR	WORKING PRESSURE DROP
ENT	ENTERING	OAI	OUTSIDE AIR INTAKE	WSHP	WATER SOURCE HEAT PUMP
EOV	ELECTRONICALLY OPERATED VALVE	OBD	OPPOSED BLADE DAMPER	WSP	WORKING STEAM PRESSURE
ESP	EXTERNAL STATIC PRESSURE	OD	OUTSIDE DIAMETER	WT	WEIGHT
ET	EXPANSION TANK	OZ	OUNCE		
EUH	ELECTRIC UNIT HEATER			YD	YARD, YARD DRAIN
EVAP	EVAPORATOR	P	PUMP	YR	YEAR
EWBT	ENTERING WET BULB TEMPERATURE	P/E	PNEUMATIC ELECTRIC		
EWT	ENTERING WATER TEMPERATURE	%	PERCENT	Z	ZONE
EXCH	EXCHANGER	PC	PUMPED CONDENSATE		
EXH	EXHAUST	PCC	PRECOOL COIL		
EXP	EXPANSION	PD	PRESSURE DROP		

MECHANICAL GENERAL NOTES

1. ISOLATION VALVES SHALL BE PROVIDED IN ALL BRANCH PIPING AND AT EQUIPMENT CONNECTIONS.
2. PIPING CONNECTIONS TO ALL EQUIPMENT SHALL BE FABRICATED WITH THE ISOLATION VALVES, FLANGES AND/OR UNIONS POSITIONED TO ALLOW REMOVAL AND SERVICE OF THE COMPONENT PARTS.
3. INSTALL MANUAL AIR VENTS AT THE HIGH POINTS OF THE PIPING SYSTEMS.
4. ROUTE PIPING IN AN ORDERLY MANNER AND MAINTAIN PROPER GRADES. INSTALL TO CONSERVE HEADROOM AND TO CREATE MINIMUM INTERFERENCE WITH USE OF SPACE. ROUTE ALL PIPING PARALLEL TO BUILDING LINES UON. GROUP PIPING AT COMMON BOP ELEVATIONS WHENEVER PRACTICAL. PIPES LOCATED IN CONCEALED SPACES SHALL BE ROUTED CLOSE TO BUILDING STRUCTURE UON.
5. INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE OR EQUIPMENT CONNECTED.
6. INSTALL VALVES WITH STEMS UPRIGHT OR HORIZONTAL, NOT INVERTED.
7. INSTALL VALVES AND EQUIPMENT IN ACCESSIBLE LOCATIONS. INSTALL ACCESS DOORS IN PARTITIONS OR CEILINGS WHERE VALVES AND EQUIPMENT WOULD OTHERWISE BE INACCESSIBLE.
8. WHEN SOCKET WELD OR SOLDER END VALVES ARE INSTALLED, SPECIAL CARE SHALL BE TAKEN TO AVOID OVERHEATING AND DAMAGING THE VALVE BODY, TRIM OR PACKING. DAMAGED VALVES SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
9. IDENTIFY EACH PIPE WITH LABELING AS REQUIRED BY SPECIFICATIONS.
10. SLEEVE ALL PIPING THAT PENETRATES FIRE RATED WALLS, FLOORS AND PARTITIONS. PENETRATIONS SHALL BE SEALED WITH A U.L. LISTED ASSEMBLY TO PROVIDE A RATING EQUAL TO OR GREATER THAN THAT OF THE PENETRATED WALL, FLOOR OR PARTITION.
11. SLEEVE ALL PIPING THAT PENETRATES EXTERIOR BUILDING WALLS AND GRADE BEAMS. SEAL PENETRATIONS WATERTIGHT.
12. COORDINATE WITH OTHER TRADES BEFORE FABRICATION OR INSTALLATION OF ANY SYSTEMS.
13. EXISTING DUCTWORK, PIPING AND EQUIPMENT SHOWN ON THESE DRAWINGS INDICATES THE GENERAL LOCATION AND ROUTING. THE ACTUAL LOCATION SHALL BE DETERMINED BY THE CONTRACTOR WHO SHALL COORDINATE ALL WORK WITH ALL TRADES NECESSARY TO INSTALL NEW DUCTWORK, PIPING OR EQUIPMENT AS SHOWN ON THE DRAWING.
14. THESE DRAWINGS DO NOT NECESSARILY SHOW ALL OFFSETS OR ELEVATION DIFFERENCES WHICH MAY BE NECESSARY FOR THE COMPLETE INSTALLATION. THESE SHALL BE PROVIDED AS REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONAL SYSTEM AT NO ADDITIONAL COST TO THE CONTRACT.
15. ALL NEW DUCTWORK SHALL BE EXTERNALLY INSULATED AS SPECIFIED.
16. WHERE REMOVAL OF EXISTING DUCTWORK OR PORTIONS OF ANY AIR SYSTEM IS NECESSARY, THE DUCT SHALL BE PATCHED AND SEALED AIRTIGHT USING PATCH OF SAME MATERIAL AND EQUAL OR GREATER THICKNESS AS EXISTING. PATCHES SHALL BE ATTACHED WITH SHEET METAL SCREWS OR OTHER MEANS OF POSITIVE ATTACHMENT (WELDING, BONDING, ETC.) AS SPECIFIED FOR THE PARTICULAR DUCT SYSTEM. NEW INSULATION SHALL BE EQUAL TO OR BETTER THAN EXISTING AND SHALL BE PATCHED AND SEALED TO MATCH EXISTING INSULATION AND MAINTAIN VAPOR BARRIER.
17. COORDINATE ALL REMODEL WORK WITH NEW CONSTRUCTION AND OTHER TRADES.
18. THE CONTRACTOR SHALL ADJUST AND BALANCE ALL MECHANICAL SYSTEMS TO DESIGN SETTINGS AS SHOWN AND SHALL REBALANCE TO RESTORE SETTINGS OF SYSTEMS TEMPORARILY ALTERED FOR THE PURPOSES OF COMPLETING THE WORK OF THIS PROJECT.
19. NOTIFY AND COORDINATE WITH THE OWNER AT LEAST SEVEN DAYS PRIOR TO SHUTDOWN OF ANY BUILDING SERVICES OR EQUIPMENT. SHUTDOWN TIME SHALL BE KEPT TO A MINIMUM.
20. ANY ITEMS DAMAGED DURING DEMOLITION SHALL BE REPLACED WITH NEW MATERIALS TO MATCH EXISTING.
21. CONTRACTOR SHALL PROVIDE TEMPORARY DUCTWORK, ELECTRICAL SERVICE, PIPING OR OTHER BUILDING SERVICES AS REQUIRED TO KEEP OTHER AREAS IN OPERATION DURING REMODELING. NOTIFY OWNER PRIOR TO SHUT-DOWN FOR ANY TEMPORARY SERVICE REQUIREMENTS. ALL TEMPORARY WORK SHALL BE COMPLETELY REMOVED ONLY AFTER NEW SERVICES ARE COMPLETELY INSTALLED AND FUNCTIONAL.
22. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR LOCATIONS OF CEILING-MOUNTED HVAC DEVICES AND EQUIPMENT.
23. DUCT ROUTING CHANGES MADE BY THE CONTRACTOR FOR THE PURPOSE OF ACCOMMODATING FIELD CONDITIONS SHALL INCLUDE FIRE DAMPERS AND COMBINATION FIRE/SMOKE DAMPERS IN RATED PARTITIONS AS SHOWN IN ORIGINAL ROUTING ARRANGEMENTS.
24. FURNISH AND INSTALL ACCESS DOORS (AD) IN THE DUCTWORK IMMEDIATELY ADJACENT TO EACH FIRE DAMPER AND EACH FIRE/SMOKE DAMPER. PARTITIONS SHALL BE PROVIDED WITH ACCESS DOORS TO PROVIDE SERVICE AND ACCESS TO DAMPER ACCESS DOORS.
25. PROVIDE FIRE AND COMBINATION FIRE/SMOKE DAMPERS WHERE REQUIRED BY CODE. FIRE, SMOKE, AND COMBINATION FIRE/SMOKE DAMPERS SHALL BE UL LISTED, SHALL BEAR THE UL LABEL AND SHALL COMPLY WITH NFPA BULLETIN NO. 90A. FULLY-OPEN DAMPERS SHALL NOT HAVE ANY PROJECTIONS INTO THE AIRSTREAM.
26. ABANDONED DUCT SHALL BE REMOVED WHERE INDICATED ON THE DRAWINGS. DUCT REMAINING IN PLACE SHALL BE CAPPED, SEALED AIR TIGHT AT POINT(S) OF DEMOLITION, AND INSULATED TO MATCH EXISTING..
27. NEW HOLES THROUGH EXISTING FLOORS SHALL BE CORE DRILLED. ALL CORES SHALL BE X-RAYED PRIOR TO CORING.
28. ALL DUCT SIZES SHOWN HEREIN REPRESENT INSIDE CLEAR DIMENSIONS. EXTERNAL SHEET METAL DIMENSIONS OF DUCTWORK THAT IS SPECIFIED TO BE INTERNALLY LINED SHALL BE ADJUSTED BY THE CONTRACTOR TO ALLOW FOR THICKNESS OF LINING.
29. THE OWNER SHALL HAVE THE OPTION TO DESIGNATE ANY MATERIALS REMOVED OR DEMOLISHED DURING THIS WORK AS "RECYCLABLE" AND SHALL HAVE FINAL DISPOSITION OVER THE DISPOSAL OF THESE MATERIALS. ALL MATERIALS REMOVED/DEMOLISHED BY THE CONTRACTOR FOR THIS JOB AND NOT RETAINED BY THE OWNER FOR RECYCLING OR OTHER PURPOSES SHALL BE DISPOSED OFF-SITE BY THE CONTRACTOR.
30. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL OF ANY EQUIPMENT DESIGNATED FOR REMOVAL. THE OWNER SHALL PROVIDE A LIST OF ITEMS THEY REQUIRE TO BE SALVAGED PRIOR TO THE START OF DEMOLITION. THE CONTRACTOR SHALL REMOVE THESE ITEMS USING REASONABLE CARE TO MINIMIZE DAMAGE.
31. ANY AND ALL WATER CONNECTIONS MADE FOR THE PURPOSE OF CLEANING TOOLS OR THE WORK AREA OR FOR ANY OTHER CONSTRUCTION-RELATED PURPOSES SHALL BE MADE ONLY TO DOMESTIC WATER HOSE BIBBS OR TO CONTRACTOR-SUPPLIED WATER SOURCES. APPROVED BACKFLOW PREVENTION DEVICES SHALL BE USED AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION. CONNECTIONS SHALL NOT BE MADE TO FIRE WATER, CHILLED WATER, CONDENSER WATER, HEATING HOT WATER, DOMESTIC HOT WATER OR ANY OTHER TREATED WATER SOURCE UNLESS REQUIRED AS PART OF WORK ON THESE SYSTEMS.
32. EXCEPT WHERE REQUIRED AT EQUIPMENT NOZZLES, FLANGES SHALL BE RAISED FACE WELD-NECK.
33. INSTALL DIELECTRIC FITTINGS AT ALL FERROUS PIPE CONNECTIONS TO NON-FERROUS METALLIC PIPE OR EQUIPMENT.
34. BULLHEAD TEES SHALL NOT BE USED TO JOIN CONVERGING (RETURN) FLOWS, REGARDLESS OF ARRANGEMENT SHOWN ON PLANS.
35. PROVIDE ESCUTCHEON PLATES WHERE PIPES EXPOSED TO VIEW PENETRATE FINISHED WALLS, FLOORS AND CEILINGS. SPLIT-RING ESCUTCHEON PLATES SHALL NOT BE USED UON.
36. PROVIDE CAPPED DRAIN VALVES AT LOW POINTS OF PIPING SYSTEMS AND AT EQUIPMENT CONNECTIONS. PROVIDE HOSE BIBB CONNECTIONS WITH CAPS AT DRAIN VALVES WHICH DO NOT DISCHARGE DIRECTLY OVER OR ARE NOT PIPED DIRECTLY TO AN APPROPRIATE DRAIN.
37. PIPING, DUCTWORK OR EQUIPMENT CONNECTIONS OPENED BY DEMOLITION OR RENOVATION SHALL BE TEMPORARILY SEALED TO KEEP OUT FOREIGN MATTER UNTIL SUCH TIME AS RECONNECTIONS ARE MADE.

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PROJECT ADDRESS

6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE

MECHANICAL GENERAL NOTES AND ABBREVIATIONS

SHEET NUMBER

M0.02

CAMPOS
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Project Number: 024-3447.00

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MECHANICAL DEMOLITION SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C	LOCATIONS OF EXISTING EQUIPMENT ARE BASED ON LIMITED AS-BUILTS AND SITE OBSERVATIONS. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS, SIZES, LOCATIONS, AND CONDITIONS BEFORE BEGINNING WORK. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF RECORD IN WRITING OF ANY DISCREPANCIES, OMISSIONS, AND/OR CONFLICTS BEFORE COMMENCEMENT OF WORK INTENDED IN THESE CONTRACT DOCUMENTS. COMMENCEMENT OF WORK SHALL CONSTITUTE THE ACCEPTANCE OF COMPATIBILITY OF ALL NEW OR EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE TO PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, REGULATORY AGENCIES, AND STANDARD INDUSTRY TRADE PRACTICES.
D	IMAGES ON DRAWINGS ARE FOR REFERENCE ONLY AND DOES NOT ALLEVIATE CONTRACTORS RESPONSIBILITY TO WALK THE SITE PRIOR TO BIDDING AND CONSTRUCTION. CONTRACTOR IS STILL RESPONSIBLE TO WALK SITE TO VERIFY EXISTING CONDITIONS.

KEYNOTES

1	DEMOLISH EXISTING KITCHEN HOOD INCLUDING CONTROLS AND FIRE PROTECTION. LEAVE POWER IN PLACE FOR CONNECTION TO NEW HOOD.
2	DEMOLISH EXISTING EXHAUST FAN INCLUDING CURB AND CONTROLS. LEAVE POWER IN PLACE FOR CONNECTION TO NEW FAN. PROVIDE TEMPORARY CAP.
3	DEMOLISH EXISTING WALL MOUNTED SUPPLY FAN AND ASSOCIATED DUCTWORK AND CONTROLS. PATCH AND REPAIR WALL TO MATCH EXISTING CONDITIONS.
4	DEMOLISH DUCTWORK AND AIR DEVICES FROM AHU SERVING KITCHEN. PROVIDE TEMPORARY CAP ON ROOF FOR NEW CONNECTION.
5	DEMOLISH CHWS/R UP TO (D)AHU-9 TO POINT INDICATED ON PLAN.
6	DEMOLISH CHWS/R UP TO (D)AHU-8 TO POINT INDICATED ON PLAN.

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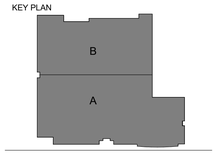
KEY PLAN



SHEET TITLE

MECHANICAL DEMOLITION LEVEL 1 OVERALL PLAN

SHEET NUMBER

MD3.01

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1/8" = 1'-0"

MECHANICAL LEVEL 1 - DEMO PLAN - OVERALL | 1

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1/8" = 1'-0"

MECHANICAL LEVEL 2- DEMO PLAN - OVERALL | 1

MECHANICAL DEMOLITION SHEET NOTES

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B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
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D	IMAGES ON DRAWINGS ARE FOR REFERENCE ONLY AND DOES NOT ALLEVIATE CONTRACTORS RESPONSIBILITY TO WALK THE SITE PRIOR TO BIDDING AND CONSTRUCTION. CONTRACTOR IS STILL RESPONSIBLE TO WALK SITE TO VERIFY EXISTING CONDITIONS.

KEYNOTES

1	DEMOLISH EXISTING SPLIT SYSTEM IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO REFRIGERANT PIPING, CONTROLS, INDOOR UNIT, DUCTWORK, INSULATION, HOUSE KEEPING PAD, ETC. PATCH AND REPAIR ROOF TO MATCH EXISTING CONDITIONS AS REQUIRED.
2	DEMOLISH EXISTING SPLIT SYSTEM IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO DUCTWORK, CONDENSATE PIPING, AIR DEVICES, HANGERS AND SUPPORTS, ETC.
3	DEMOLISH EXISTING CEILING CASSETTE DUCTLESS SPLIT SYSTEM IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO REFRIGERANT PIPING, INSULATION, HANGERS AND SUPPORTS, ETC.
4	DEMOLISH EXISTING AHU AND ASSOCIATED CONTROLS. EXISTING ROOF CURB TO REMAIN AND BE RE-USED. PROVIDE TEMPORARY CAP ON ROOF CURB TO PROTECT OPENING IN ROOF AND PREPARE FOR NEW INSTALLATION.
5	DEMOLISH EXISTING EXHAUST FAN INCLUDING CURB AND CONTROLS. LEAVE POWER IN PLACE FOR CONNECTION TO NEW FAN. PROVIDE TEMPORARY CAP.
6	DEMOLISH EXISTING EXHAUST FAN AND CONTROLS. LEAVE CURB AND POWER IN PLACE FOR CONNECTION TO NEW FAN. PROVIDE TEMPORARY CAP.
7	DEMOLISH EXISTING INDOOR AHU. DISCONNECT DUCTWORK AND PIPING NECESSARY FOR EQUIPMENT REMOVAL. PROVIDE TEMPORARY CAPS ON DUCTWORK AND PIPE FOR NEW CONNENCTION.
8	DEMOLISH CHWS/R PIPING BACK TO RISER UNDERNEATH ROOF DECK.

AHU-8

AHU-9

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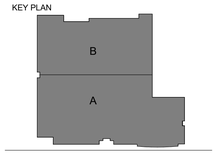
KIRKSEY PROJECT NO. 2023351

KEY PLAN



SHEET TITLE

MECHANICAL DEMOLITION LEVEL 2 OVERALL PLAN

SHEET NUMBER

MD3.04

CAMPOS
ENGINEERING
1331 River Bend Drive
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Registration No: F-001731
Project Number: D24-3447.00

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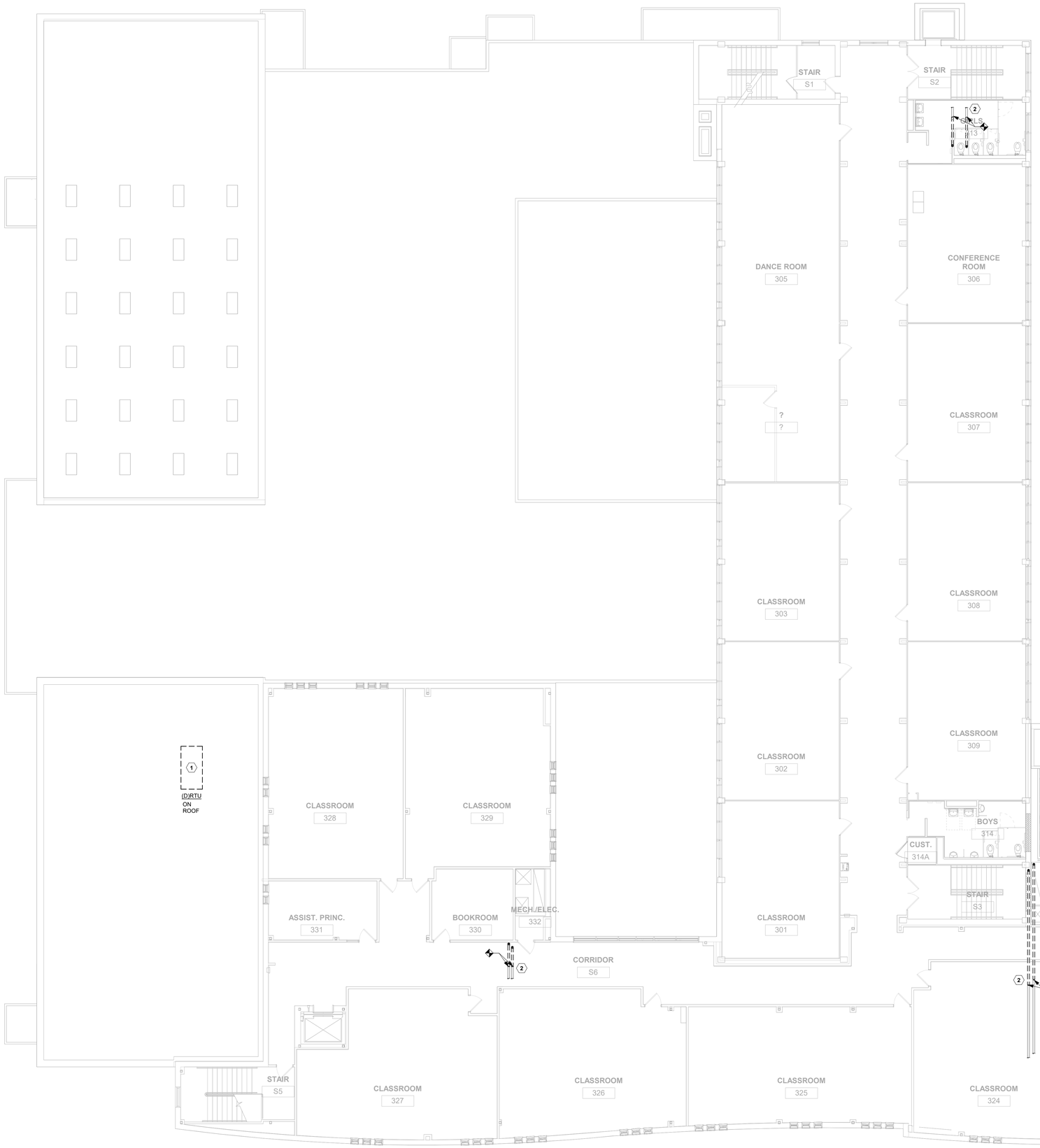

1/8" = 1'-0"

MECHANICAL LEVEL 3 - DEMO PLAN - OVERALL | 1

MECHANICAL DEMOLITION SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C	LOCATIONS OF EXISTING EQUIPMENT ARE BASED ON LIMITED AS-BUILTS AND SITE OBSERVATIONS. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS, SIZES, LOCATIONS, AND CONDITIONS BEFORE BEGINNING WORK. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF RECORD IN WRITING OF ANY DISCREPANCIES, OMISSIONS, AND/OR CONFLICTS BEFORE COMMENCEMENT OF WORK INTENDED IN THESE CONTRACT DOCUMENTS. COMMENCEMENT OF WORK SHALL CONSTITUTE THE ACCEPTANCE OF COMPATIBILITY OF ALL NEW OR EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE TO PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, REGULATORY AGENCIES, AND STANDARD INDUSTRY TRADE PRACTICES.
D	IMAGES ON DRAWINGS ARE FOR REFERENCE ONLY AND DOES NOT ALLEVIATE CONTRACTORS RESPONSIBILITY TO WALK THE SITE PRIOR TO BIDDING AND CONSTRUCTION. CONTRACTOR IS STILL RESPONSIBLE TO WALK SITE TO VERIFY EXISTING CONDITIONS.

KEYNOTES

1	DEMOLISH EXISTING RTU AND CONTROLS. LEAVE CURB AND POWER IN PLACE FOR CONNECTION TO NEW RTU. PROVIDE TEMPORARY CAP.
2	DEMOLISH CHWS/R BACK TO POINT INDICATED ON PLAN.

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144240
LICENSED PROFESSIONAL ENGINEER
11/11/2024

	DATE	ISSUE
A	11 NOV 2024	100% Construction Documents

PROJECT NAME

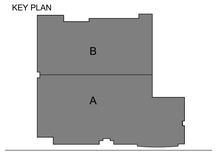
Org 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS

6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN



SHEET TITLE

DEMOLITION LEVEL 3 OVERALL PLAN

SHEET NUMBER

MD3.07

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Project Number: D24-3447.00

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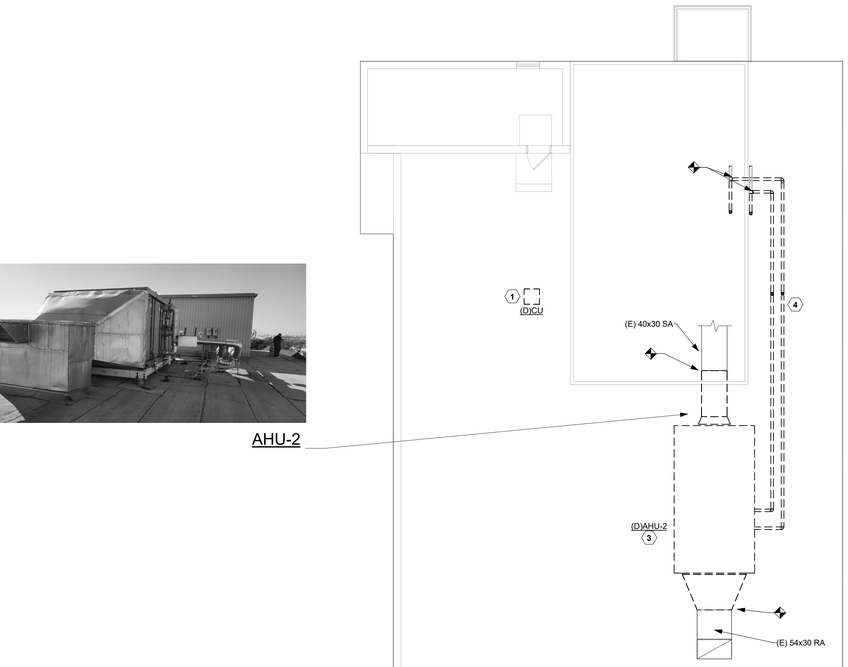
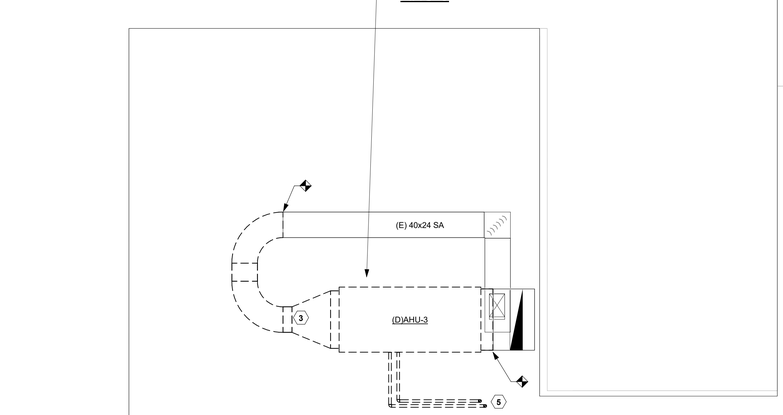
AHU-2



AHU-3



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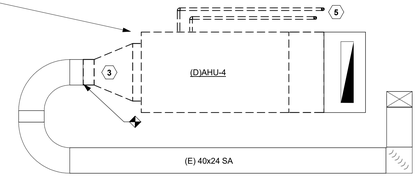

1/8" = 1'-0"

MECHANICAL DEMOLITION ROOF PLAN | 1

MECHANICAL DEMOLITION SHEET NOTES

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D	IMAGES ON DRAWINGS ARE FOR REFERENCE ONLY AND DOES NOT ALLEVIATE CONTRACTORS RESPONSIBILITY TO WALK THE SITE PRIOR TO BIDDING AND CONSTRUCTION. CONTRACTOR IS STILL RESPONSIBLE TO WALK SITE TO VERIFY EXISTING CONDITIONS.

KEYNOTES

1	DEMOLISH EXISTING SPLIT SYSTEM IN ITS ENTIRETY INCLUDING BUT NOT LIMITED TO REFRIGERANT PIPING, CONTROLS, INDOOR UNIT, DUCTWORK, INSULATION, HOUSE KEEPING PAD, ETC. PATCH AND REPAIR ROOF TO MATCH EXISTING CONDITIONS AS REQUIRED.
2	DEMOLISH EXISTING CONDENSING UNIT AND ASSOCIATED REFRIGERANT PIPING TO INDOOR UNIT.
3	DEMOLISH EXISTING AHU AND ASSOCIATED CONTROLS. EXISTING ROOF CURB TO REMAIN AND BE RE-USED. PROVIDE TEMPORARY CAP ON ROOF CURB TO PROTECT OPENING IN ROOF AND PREPARE FOR NEW INSTALLATION.
4	DEMOLISH CHWS/R PIPING SERVING AHU-2 BACK TO RISER IN PENTHOUSE. PROVIDE CAP, INSULATE, AND SEAL WATER TIGHT AND MATCH TO EXISTING CONDITIONS.
5	DEMOLISH CHWS/R PIPING BACK TO RISER UNDERNEATH ROOF DECK.

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PROJECT NAME

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PROJECT ADDRESS

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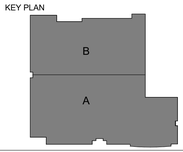
KIRKSEY PROJECT NO. 2023351

KEY PLAN



SHEET TITLE

MECHANICAL DEMOLITION ROOF PLAN

SHEET NUMBER

MD4.01

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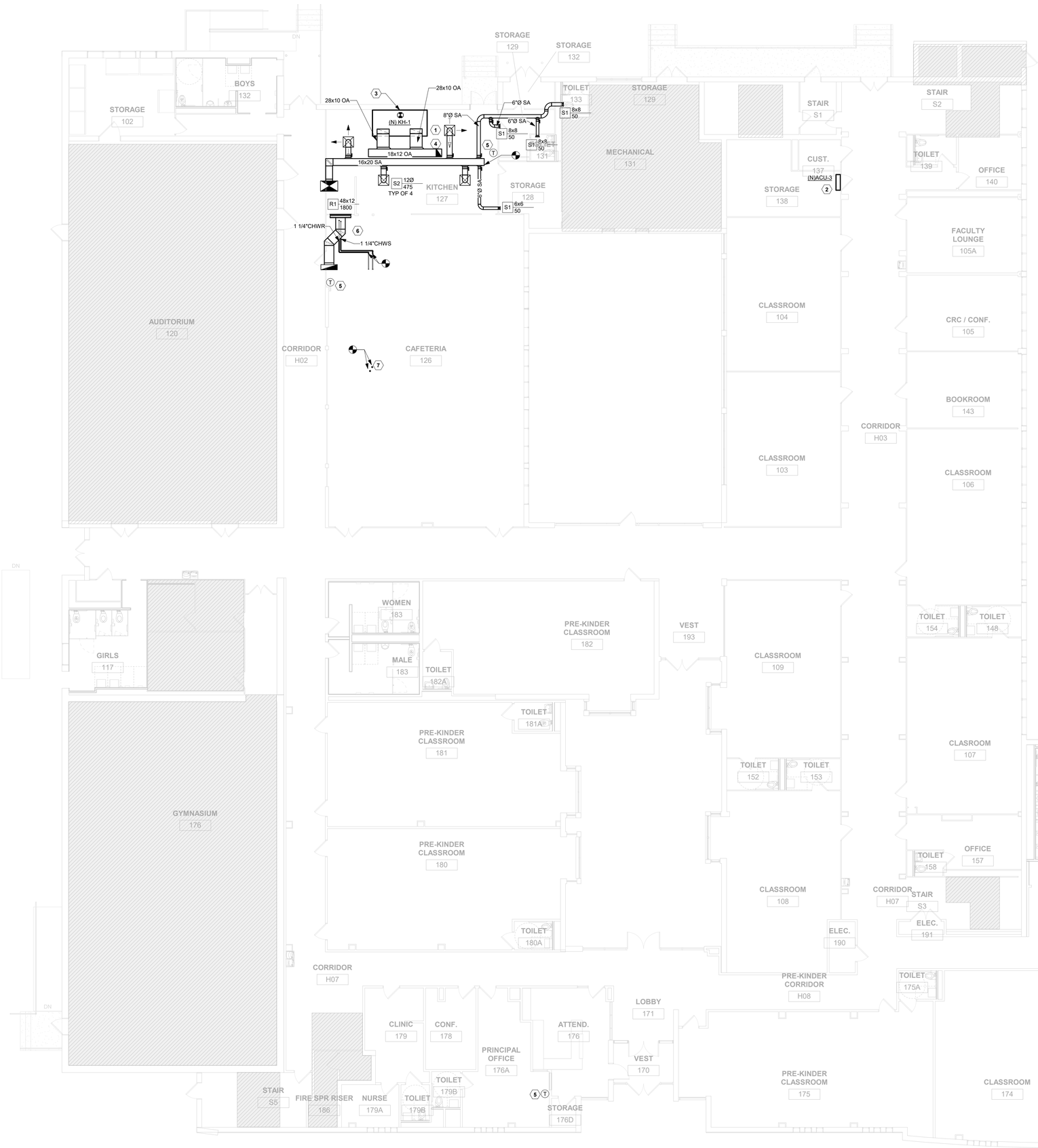

1/8" = 1'-0"

MECHANICAL PLAN LEVEL 1 - OVERALL | 1

MECHANICAL SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C	LOCATIONS OF EXISTING EQUIPMENT ARE BASED ON LIMITED AS-BUILTS AND SITE OBSERVATIONS. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS, SIZES, LOCATIONS, AND CONDITIONS BEFORE BEGINNING WORK. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF RECORD IN WRITING OF ANY DISCREPANCIES, OMISSIONS, AND/OR CONFLICTS BEFORE COMMENCEMENT OF WORK INTENDED IN THESE CONTRACT DOCUMENTS. COMMENCEMENT OF WORK SHALL CONSTITUTE THE ACCEPTANCE OF COMPATIBILITY OF ALL NEW OR EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE TO PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, REGULATORY AGENCIES, AND STANDARD INDUSTRY TRADE PRACTICES.
D	CONTRACTOR TO INSTALL NEW AC FILTERS ON ALL NEWLY INSTALLED AC EQUIPMENT, BOTH AT ONE WEEK PRIOR TO THE SUBSTANTIAL COMPLETION, AND ONE WEEK PRIOR TO THE SIX MONTHS WARRANTY WALK.

KEYNOTES

1	PROVIDE NEW TYPE-1 KITCHEN HOOD.
2	INSTALL DUCTLESS SPLIT SYSTEM CENTERED ABOVE DOOR. ROUTE REFRIGERANT LINES IN STRICT ACCORDANCE WITH MANUFACTURER'S IOM.
3	PROVIDE 3/16 STAINLESS STEEL GREASE EXHAUST DUCT FROM OUTLET OF KITCHEN HOOD TO KEF-1 ON ROOF. DUCT SHALL BE SLOPED 1/4 INCH PER FOOR BACK TO HOOD. PROVIDE GREASE TRAPS, CLEANOUTS AND ACCESS DOORS AS REQUIRED BY CODE. GREASE DUCTWORK SHALL BE WRAPPED WITH TWO LAYERS OF 3M FIRE BARRIER TO CREATE A 2-HOUR FIRE BARRIER FOR 0 INCH CLEARANCE COMBUSTIBLES.
4	36 x 12 UP THROUGH ROOF TO MAU-1.
5	RE-USE EXISTING LOCATION OF PREVIOUS THERMOSTAT.
6	CHWS/R PIPING UP TO AHU-9 PIPING ENCLOSURE.
7	CHWS/R PIPING UP TO AHU-8 PIPING ENCLOSURE.

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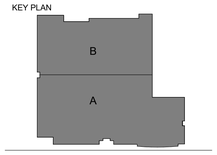

SHEET TITLE

LEVEL 1 MECHANICAL OVERALL PLAN

SHEET NUMBER

M3.01

CAMPOS ENGINEERING
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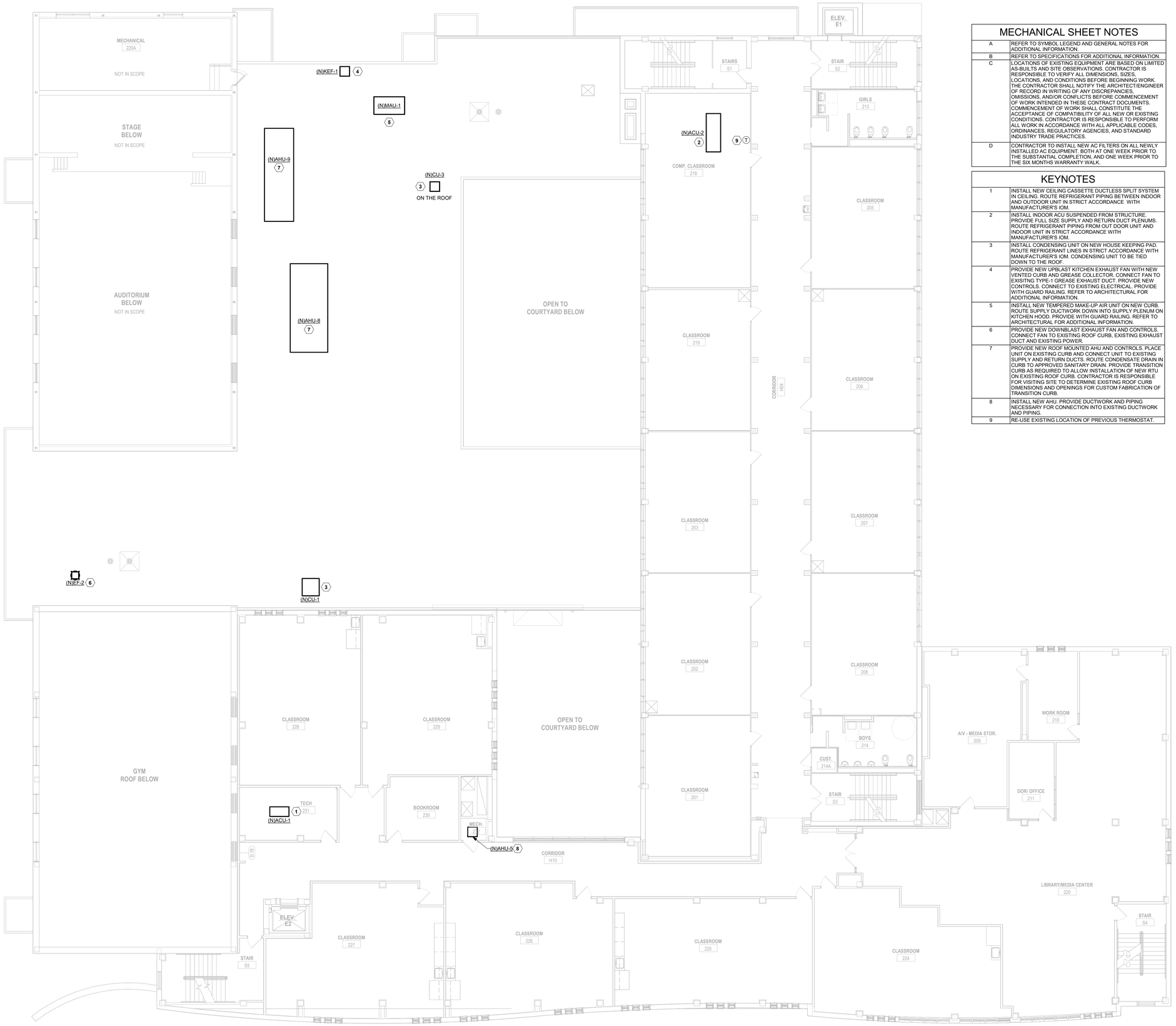

1/8" = 1'-0"

MECHANICAL PLAN LEVEL 2 - OVERALL | 1

MECHANICAL SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C	LOCATIONS OF EXISTING EQUIPMENT ARE BASED ON LIMITED AS-BUILTS AND SITE OBSERVATIONS. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS, SIZES, LOCATIONS, AND CONDITIONS BEFORE BEGINNING WORK. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF RECORD IN WRITING OF ANY DISCREPANCIES, OMISSIONS, AND/OR CONFLICTS BEFORE COMMENCEMENT OF WORK INTENDED IN THESE CONTRACT DOCUMENTS. COMMENCEMENT OF WORK SHALL CONSTITUTE THE ACCEPTANCE OF COMPATIBILITY OF ALL NEW OR EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE TO PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, REGULATORY AGENCIES, AND STANDARD INDUSTRY TRADE PRACTICES.
D	CONTRACTOR TO INSTALL NEW AC FILTERS ON ALL NEWLY INSTALLED AC EQUIPMENT, BOTH AT ONE WEEK PRIOR TO THE SUBSTANTIAL COMPLETION, AND ONE WEEK PRIOR TO THE SIX MONTHS WARRANTY WALK.

KEYNOTES

1	INSTALL NEW CEILING CASSETTE DUCTLESS SPLIT SYSTEM IN CEILING. ROUTE REFRIGERANT PIPING BETWEEN INDOOR AND OUTDOOR UNIT IN STRICT ACCORDANCE WITH MANUFACTURER'S IOM.
2	INSTALL INDOOR ACU SUSPENDED FROM STRUCTURE. PROVIDE FULL SIZE SUPPLY AND RETURN DUCT PLENUMS. ROUTE REFRIGERANT PIPING FROM OUT DOOR UNIT AND INDOOR UNIT IN STRICT ACCORDANCE WITH MANUFACTURER'S IOM.
3	INSTALL CONDENSING UNIT ON NEW HOUSE KEEPING PAD. ROUTE REFRIGERANT LINES IN STRICT ACCORDANCE WITH MANUFACTURER'S IOM. CONDENSING UNIT TO BE TIED DOWN TO THE ROOF.
4	PROVIDE NEW UPBLAST KITCHEN EXHAUST FAN WITH NEW VENTED CURB AND GREASE COLLECTOR. CONNECT FAN TO EXISITNG TYPE-1 GREASE EXHAUST DUCT. PROVIDE NEW CONTROLS. CONNECT TO EXISTING ELECTRICAL. PROVIDE WITH GUARD RAILING. REFER TO ARCHITECTURAL FOR ADDITIONAL INFORMATION.
5	INSTALL NEW TEMPERED MAKE-UP AIR UNIT ON NEW CURB. ROUTE SUPPLY DUCTWORK DOWN INTO SUPPLY PLENUM ON KITCHEN HOOD. PROVIDE WITH GUARD RAILING. REFER TO ARCHITECTURAL FOR ADDITIONAL INFORMATION.
6	PROVIDE NEW DOWNBLAST EXHAUST FAN AND CONTROLS. CONNECT FAN TO EXISTING ROOF CURB, EXISTING EXHAUST DUCT AND EXISTING POWER.
7	PROVIDE NEW ROOF MOUNTED AHU AND CONTROLS. PLACE UNIT ON EXISTING CURB AND CONNECT UNIT TO EXISTING SUPPLY AND RETURN DUCTS. ROUTE CONDENSATE DRAIN IN CURB TO APPROVED SANITARY DRAIN. PROVIDE TRANSITION CURB AS REQUIRED TO ALLOW INSTALLATION OF NEW RTU ON EXISTING ROOF CURB. CONTRACTOR IS RESPONSIBLE FOR VISIITING SITE TO DETERMINE EXISTING ROOF CURB DIMENSIONS AND OPENINGS FOR CUSTOM FABRICATION OF TRANSITION CURB.
8	INSTALL NEW AHU. PROVIDE DUCTWORK AND PIPING NECESSARY FOR CONNECTION INTO EXISTING DUCTWORK AND PIPING.
9	RE-USE EXISTING LOCATION OF PREVIOUS THERMOSTAT.

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PROJECT NAME

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PROJECT ADDRESS

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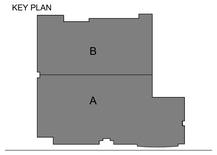
KIRKSEY PROJECT NO. 2023351

KEY PLAN



SHEET TITLE

LEVEL 2 MECHANICAL OVERALL PLAN

SHEET NUMBER

M3.04

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1/8" = 1'-0"

MECHANICAL PLAN LEVEL 3 - OVERALL | 1

MECHANICAL SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
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D	CONTRACTOR TO INSTALL NEW AC FILTERS ON ALL NEWLY INSTALLED AC EQUIPMENT, BOTH AT ONE WEEK PRIOR TO THE SUBSTANTIAL COMPLETION, AND ONE WEEK PRIOR TO THE SIX MONTHS WARRANTY WALK.

KEYNOTES

1	PROVIDE NEW ROOF MOUNTED RTU AND CONTROLS. PLACE UNIT ON EXISTING CURB AND CONNECT UNIT TO EXISTING SUPPLY AND RETURN DUCTS. ROUTE CONDENSATE DRAIN IN CURB TO APPROVED SANITARY DRAIN. CONNECT NEW GAS PIPING TO UNIT. PROVIDE TRANSITION CURB AS REQUIRED TO ALLOW INSTALLATION OF NEW RTU ON EXISTING ROOF CURB. CONTRACTOR IS RESPONSIBLE FOR VISITING SITE TO DETERMINE EXISTING ROOF CURB DIMENSIONS AND OPENINGS FOR CUSTOM FABRICATION OF TRANSITION CURB. RTU IS A ONE FOR ONE REPLACEMENT.
2	INSTALL NEW CEILING CASSETTE DUCTLESS SPLIT SYSTEM IN CEILING. ROUTE REFRIGERANT PIPING BETWEEN INDOOR AND OUTDOOR UNIT IN STRICT ACCORDANCE WITH MANUFACTURER'S IOM.
3	CHWS/R PIPING UP TO AHU-2 PIPING ENCLOSURE.
4	CHWS/R PIPING UP TO AHU-3 PIPING ENCLOSURE.
5	CHWS/R PIPING UP TO AHU-4 PIPING ENCLOSURE.

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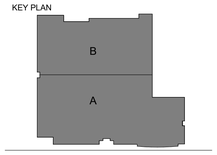

SHEET TITLE

LEVEL 3 MECHANICAL OVERALL PLAN

SHEET NUMBER

M3.07

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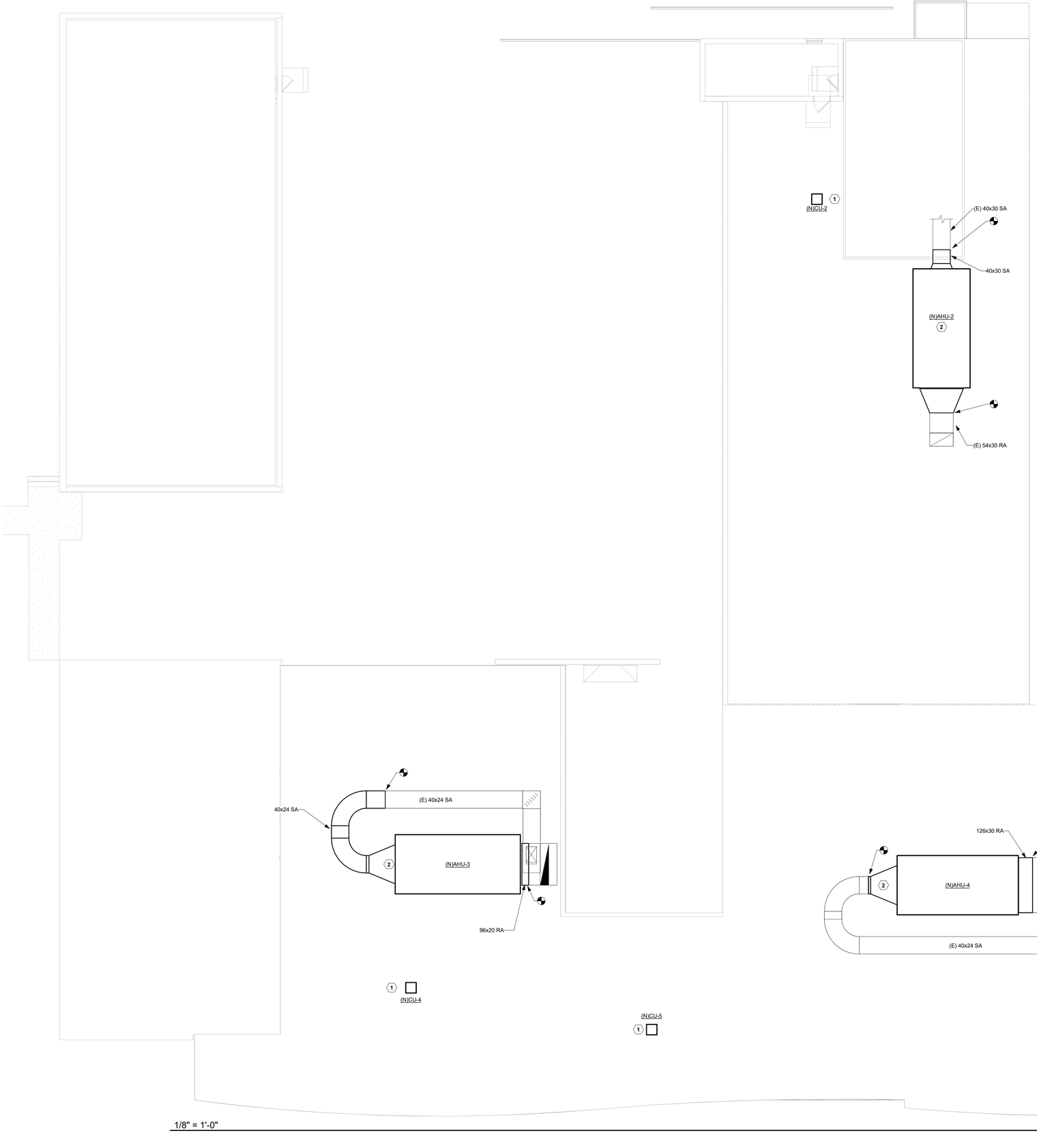

1/8" = 1'-0"

MECHANICAL ROOF PLAN | 1

MECHANICAL SHEET NOTES

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KEYNOTES

1	INSTALL CONDENSING UNIT ON NEW HOUSE KEEPING PAD. ROUTE REFRIGERANT LINES IN STRICT ACCORDANCE WITH MANUFACTURER'S IOM. CONDENSING UNIT TO BE TIED DOWN TO THE ROOF.
2	INSTALL AHU ON EXISTING STEEL DUNNAGE. PROVIDE DUCTWORK NECESSARY TO CONNECTION INTO EXISTING ROOF DUCTWORK AND ROOF PENETRATIONS.
3	PROVIDE NEW DOWNBLAST EXHAUST FAN AND CONTROLS. CONNECT FAN TO EXISTING ROOF CURB, EXISTING EXHAUST DUCT AND EXISTING POWER.

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TEXAS REGISTRATION #144240

DATE: 10/22/2024

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KEY PLAN

SHEET TITLE

ROOF MECHANICAL OVERALL PLAN

SHEET NUMBER

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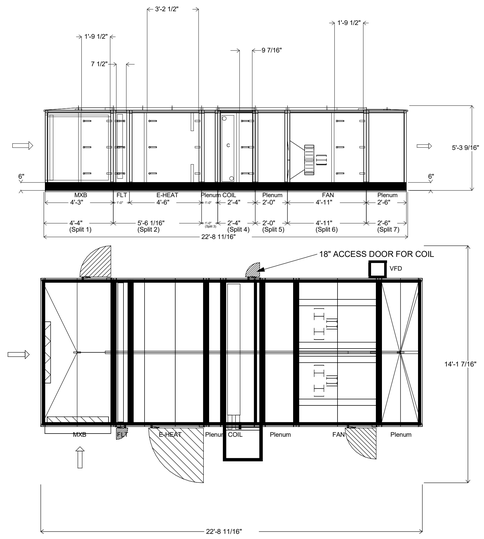

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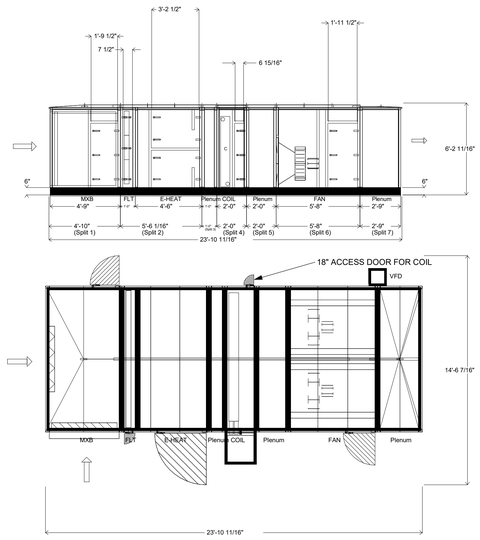
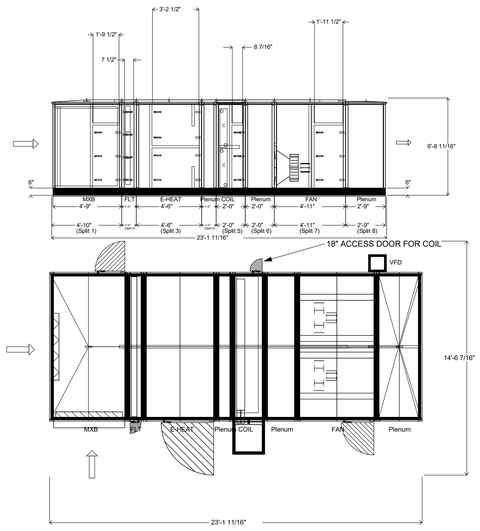
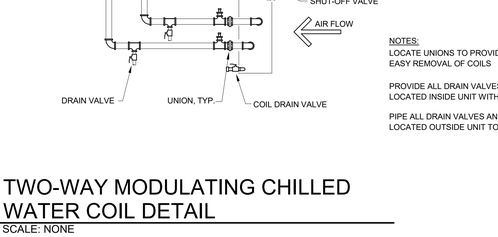
SCALE: NONE



2 AHU-3 DETAIL
SCALE: NONE



3 AHU-4 DETAIL
SCALE: NONE



4 AHU-8 DETAIL
SCALE: NONE

5 AHU-9 DETAIL
SCALE: NONE

DESIGNERS NOTES:

SHUT-OFF VALVES:
THROUGH 2-1/2": BALL VALVE
ABOVE 2-1/2": BUTTERFLY VALVE

BALANCING VALVES:
THROUGH 2-1/2": BALL VALVE
ABOVE 2-1/2": BUTTERFLY VALVE
WITH P/T TAPS AND MEMORY STOP

MANUAL AIR VENT:
BALL VALVE WITH HOSE END AND CAP

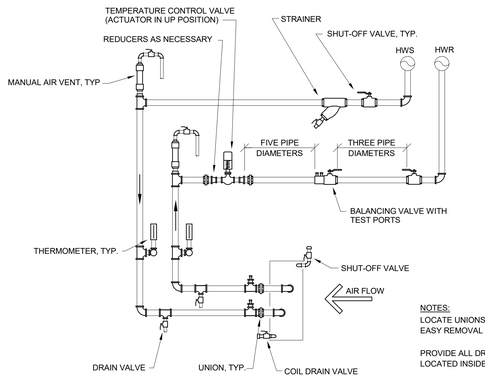
DRAIN VALVE:
BALL VALVE WITH HOSE END AND CAP

NOTES:
LOCATE UNIONS TO PROVIDE
EASY REMOVAL OF COILS

PROVIDE ALL DRAIN VALVES AND AIR VENTS
LOCATED INSIDE UNIT WITH HOSE END AND CAP

PIPE ALL DRAIN VALVES AND AIR VENTS
LOCATED OUTSIDE UNIT TO FLOOR DRAIN

THREE-WAY MODULATING CHILLED
WATER COIL PIPING DETAIL
SCALE: NONE



DESIGNERS NOTES:

SHUT-OFF VALVES:
THROUGH 2-1/2": BALL VALVE
ABOVE 2-1/2": BUTTERFLY VALVE

BALANCING VALVES:
THROUGH 2-1/2": BALL VALVE
ABOVE 2-1/2": BUTTERFLY VALVE
WITH P/T TAPS AND MEMORY STOP

MANUAL AIR VENT:
BALL VALVE WITH HOSE END AND CAP

DRAIN VALVE:
BALL VALVE WITH HOSE END AND CAP

NOTES:
LOCATE UNIONS TO PROVIDE
EASY REMOVAL OF COILS

PROVIDE ALL DRAIN VALVES AND AIR VENTS
LOCATED INSIDE UNIT WITH HOSE END AND CAP

PIPE ALL DRAIN VALVES AND AIR VENTS
LOCATED OUTSIDE UNIT TO FLOOR DRAIN

TWO-WAY MODULATING CHILLED
WATER COIL DETAIL
SCALE: NONE

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STATE OF TEXAS
EDGAR A. GUARDIOLA
144240
LICENSED
PROFESSIONAL ENGINEER
11/11/2024

	DATE	ISSUE
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PROJECT NAME
Org 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS
6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE
MECHANICAL DETAILS

SHEET NUMBER
M9.01

CAMPOS
ENGINEERING
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Dallas, Texas 75247
(214) 696-6291
campos@camposengineering.com
Registration No: F-001731
Project Number: 024-3447.00

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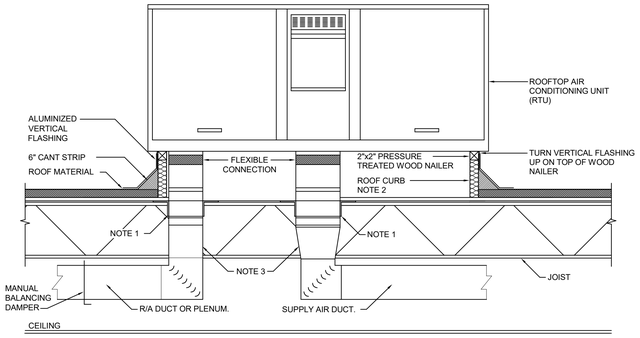
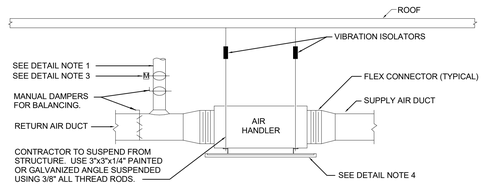
Autodesk Docs://2023351 DISD Dade, McShane, Polk Renovations/DISD_KB_Polk_CENTER_MECH_R23.rvt



NOTES:

1. REFER TO STRUCTURAL DRAWINGS FOR SUPPORT REQUIREMENTS.
2. ALL RTU'S SHALL BE "PLUMB" AND SET LEVEL ON ROOF IN BOTH DIRECTIONS. THE VERTICAL DIMENSION OF THE CURB WALLS SHALL BE TAPERED AS REQUIRED TO COMPENSATEFOR THE ROOF SLOPE AND ALLOW THE RTU TO SET LEVEL. REFER TO THE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ROOF SLOPE INFORMATION. CURB TO BE FACTORY INSULATED WITH MIN R-8 RIGID INSULATION, MIN 14" HIGH.
3. PROVIDE TRANSITION AND/OR OFFSET AS INDICATED OR REQUIRED.
4. THIS DETAIL IS TYPICAL FOR ALL RTU INSTALLATIONS.
5. 14" MINIMUM FLASHING HEIGHT ABOVE THE ROOFING SYSTEM. ROOFING SYSTEM INCLUDES DECK AND INSULATION, NOT JUST DECK.
6. DUCT DETECTORS TO BE LOCATED BENEATH ROOF DECK AS REQUIRED. DUCT DETECTOR TO BE POWERED BY FIRE ALARM SYSTEM.

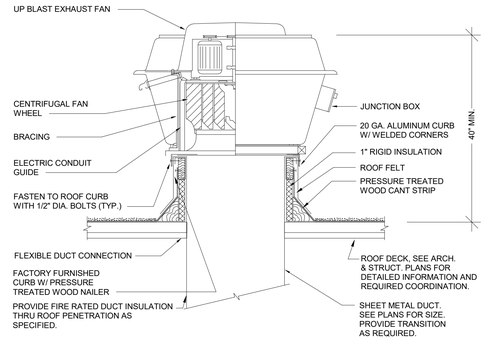
1 TYPICAL ROOFTOP UNIT MOUNTING DETAIL
SCALE: NONE



NOTES FOR DETAIL:

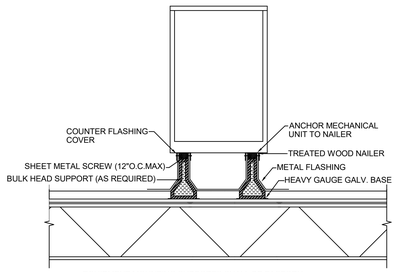
1. SIZE AND LOCATE OUTSIDE AIR INTAKE AS SHOWN ON FLOOR PLAN, BALANCE ACCORDING TO SCHEDULED OUTSIDE AIR. PROVIDE ROOF CAP WITH BIRDSCREEN.
2. SEAL ALL ROOF PENETRATIONS WEATHER TIGHT.
3. MOTORIZED DAMPER. INTERLOCK WITH FAN MOTOR. CONTRACTOR SHALL MAKE ALL CONNECTIONS.
4. AUXILIARY DRAIN PAN.

2 TYPICAL SUSPENDED DX FAN COIL WITH O/A INTAKE THROUGH ROOF DETAIL
SCALE: NONE



3 KITCHEN EXHAUST FAN ON ROOF DETAIL
SCALE: NONE

4 TYPICAL KITCHEN HOOD DETAIL
SCALE: NONE



EQUIPMENT MOUNTING SUPPORTS SHALL BE FACTORY FABRICATED, SHEET STEEL STRUCTURAL MEMBERS DESIGNED FOR PLACEMENT ON ROOF SYSTEM AT LOCATION INDICATED ON PLANS. THYBAR TEMS OR APPROVED EQUAL. SUBMIT PRODUCT DATA INFORMATION DURING SUBMITTAL PHASE.

5 TYPICAL ROOF MOUNTED CONDENSING UNIT SUPPORT DETAIL
SCALE: NONE

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KIRKSEY PROJECT NO. 2023351

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MECHANICAL DETAILS

SHEET NUMBER

M9.02

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Project Number: D24-3447.00

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CHILLED WATER AIR HANDLING UNIT WITH ELECTRIC HEAT SCHEDULE

MARK AHU-	ARRANGMENT	SUPPLY FAN								ELECTRIC HEATING					NET COOLING PERFORMANCE DATA										POWER CONN.				MANUFACTURER MAKE AND MODEL	Weight Lbs	REMARKS
		SUPPLY CFM		O/A CFM		EXT. S.P.	V	PH	QTY	HP	EAT	LAT	MBH	KW	NO. STAGES	CAPACITY (MBH)			O.D. D.B.	E.A.T.		L.A.T.	WATER				V	PH	MCA	MOCP			
		DES	MIN	DES	MIN											TOTAL	SENS.	LAT.		D.B.	W.B.	D.B.	E.W.T.	L.W.T.	GPM	MAX P.D.							
2	DOWNFLOW	14600	4380	3810	3595	4.5	460	3	2	15	24.8	55	145.7	50.0	SCR	1144.0	712	432.0	105	82	67	55	44	54	229	20	460	3	214	225	CARRIER 39MW30W	8705	ALL
3	DOWNFLOW	17125	5140	6295	3510	4.5	460	3	2	15	6.3	55	275.3	80.7	SCR	983.3	630.0	353.3	105	84	68	55	44	54	197	20	460	3	316	350	CARRIER 39MW36W	9666	ALL
4	DOWNFLOW	18300	5490	5085	5085	4.5	460	3	2	15	21.8	55	200.3	60.0	SCR	1113.0	713.0	400.0	105	82	67	55	44	54	223	20	460	3	295	300	CARRIER 39MW40W	9386	ALL
8	DOWNFLOW	5000	5000	2500	-	1.0	460	3	1	3	44.0	95	280.5	90.0	SCR	403.0	244.0	159.0	105	88	70	55	44	54	81	20	460	3	99	100	CARRIER 39MW10W	4164	ALL EXCEPT 13
9	DOWNFLOW	2100	2100	300	-	1.0	460	3	1	2	62.6	95	74.9	25.0	SCR	86.0	71.0	15.0	105	79	65	55	44	54	17	20	460	3	33	35	CARRIER 39MW06W	3488	ALL EXCEPT 13

1. EXTERNAL STATIC PRESSURE ("WG") INCLUDES DUCTWORK, BALANCING DAMPERS AND AIR DEVICES ONLY.
2. UNITS SHALL PERFORM TO LISTED CAPACITIES. UNIT PERFORMANCE MUST SATISFY BOTH SENSIBLE AND LATENT CAPACITY REQUIREMENTS.
3. DESIGN BASIS IS CARRIER. CONTRACTOR IS RESPONSIBLE FOR VARIATIONS IN FIT AND ELECTRICAL SERVICE.
6. PROVIDE WITH TERMINAL STRIP FOR CONTROL SYSTEM INTERFACE - COORDINATE WITH CONTROLS CONTRACTOR.
7. PROVIDE WITH 2" MERV-13 FILTERS.
8. PROVIDE SUPPLY FAN WITH VARIABLE FREQUENCY DRIVE AND SHAFT GROUNDING. PROVIDE NEMA 3R BOX FOR VFD.
9. PROVIDE WITH ENTHALPY ECONOMIZER AND BAROMETRIC RELIEF. PROVIDE ECONOMIZER WITH IECC COMPLIANT FAULT DETECTION AND DIAGNOSTICS CAPABILITY.
10. PROVIDE WITH RETURN AIR SMOKE DETECTOR INTERLOCKED TO SUPPLY FAN
11. PROVIDE WITH INTEGRAL DISCONNECT AND UNPOWERED GFCI WEATHER PROOF RECEPTACLE RECEPTACLE
12. PROVIDE WITH STAINLESS STEEL OR CORROSION RESISTANT CONDENSATE DRAIN PAN
13. PROVIDE WITH FAN ARRAY.
14. PROVIDE TWO CIRCUITS. ONE CIRCUIT FOR FAN. ONE CIRCUIT FOR HEATERS.

PACKAGED ROOFTOP UNIT WITH ELECTRIC HEAT SCHEDULE

MARK RTU-	ARRANGEMENT	SUPPLY FAN							ELECTRIC HEATING				NET COOLING PERFORMANCE DATA								COMPRESSOR		CONDENSER		POWER CONN.				MANUFACTURER MAKE AND MODEL	UNIT WEIGHT (LBS.)	REMARKS
		SUPPLY CFM		O/A CFM		EXT. S.P.	QTY	HP	EAT	LAT	KW	NO. STAGES	CAPACITY (MBH)			O.D. D.B.	ENTERING		MIN. IEER	QTY	REF. TYPE	NO. FANS	H.P. EACH	V	PH	MCA	MOCP			
		DES	MIN	DES	MIN								TOTAL	SENS.	LAT.		D.B.	W.B.												
1	DOWNFLOW	8000	8000	1220	800	0.8	1	3	62.1	90	70.0	2	219.0	145.1	73.9	105	79	67	13.2	2	R454B	2	3.26	460	3	100	110	TRANE TSK240	2125	ALL

1. EXTERNAL STATIC PRESSURE ("WG") INCLUDES DUCTWORK, BALANCING DAMPERS AND AIR DEVICES ONLY.
2. UNITS SHALL PERFORM TO LISTED CAPACITIES. UNIT PERFORMANCE MUST SATISFY BOTH SENSIBLE AND LATENT CAPACITY REQUIREMENTS.
3. DESIGN BASIS IS TRANE. CONTRACTOR IS RESPONSIBLE FOR VARIATIONS IN FIT AND ELECTRICAL SERVICE.
4. PROVIDE GALVANIZED INSULATED FACTORY ROOF CURB TO MATCH ROOF SLOPE.
5. PROVIDE FACTORY HAIL GUARD.
6. PROVIDE WITH TERMINAL STRIP FOR CONTROL SYSTEM INTERFACE - COORDINATE WITH CONTROLS CONTRACTOR.
7. PROVIDE WITH 2" MERV-13 FILTERS.
8. PROVIDE SUPPLY FAN WITH VARIABLE FREQUENCY DRIVE WITH SHAFT GROUNDING
9. PROVIDE WITH DRY BULB ECONOMIZER AND BAROMETRIC RELIEF. PROVIDE ECONOMIZER WITH IECC COMPLIANT FAULT DETECTION AND DIAGNOSTICS CAPABILITY.
10. PROVIDE WITH RETURN AIR SMOKE DETECTOR INTERLOCKED TO SUPPLY FAN
11. PROVIDE WITH INTEGRAL DISCONNECT AND UNPOWERED GFCI RECEPTACLE
12. PROVIDE WITH STAINLESS STEEL OR CORROSION RESISTANT CONDENSATE DRAIN PAN
13. PROVDE WITH 2-STAGE COMPRESSOR
14. PROVIDE WITH SINGLE POINT POWER CONNECTION.

MAKE UP AIR UNIT UNIT SCHEDULE

MARK	QTY	DOAS/RTU MODEL #	MANUFACTURER	BLOWER	RETURN AIR CFM	MAX OUTSIDE AIR CFM	TOTAL CFM	WEIGHT (LBS)	ESP	ELECTRICAL INFORMATION					COOLING INFORMATION										GAS HEAT INFORMATION						NOTES
										HP	PHASE	VOLT	MCA	MOCP	OUTSIDE AIR		LEAVING AIR			CAPACITY MBH		IEER	ISMRE	GAS TYPE	INPUT BTUs	OUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE		
															DB	WB	DB	WB	DP	TOTAL	SENS.									
MUA-1	1	CAS-HVAC1-I.100-13-4T-MPU	CAPTIVEAIRE	13P-1	0	1320	1320	1154	0.50	1.50	3	208	23.9	25.0	99.0	64.7	74.4	64.7	59.6	52.8	33.1	17.9	6.1	NATURAL	90123	73000	48 °F	7 IN. W.C. - 14 IN. W.C.		ALL

1. INVERTER SCROLL COMPRESSOR WITH INTEGRATED OIL SENSOR. DIGITAL OR STAGED SCROLL NOT AN APPROVED EQUAL.
2. DIRECT DRIVE PLENUM BLOWER. BELT DRIVEN BLOWERS ARE NOT ACCEPTABLE.
3. INTEGRATED MONITORING VIA CELLULAR CONNECTION BY MANUFACTURER.
4. REFRIGERATION PRESSURE MONITORING ON HIGH AND LOW PRESSURE SIDE OF SYSTEM INCLUDED THROUGH DIGITAL INTERFACE.
5. EC MOTOR CONDENSING FANS.
6. ELECTRONIC EXPANSION VALVE. TXV NOT ACCEPTABLE.
7. SUCTION LINE ACCUMULATOR.
8. FACTORY COMMISSIONING WITH 5 YEAR PARTS WARRANTY, 25 YEAR WARRANTY ON STAINLESS STEEL HEAT EXCHANGER.
9. AVERAGING INTAKE, EVAP AND DISCHARGE TEMPERATURE SENSORS (DISCHARGE SENSOR TO BE FACTORY MOUNTED WITHIN UNIT).
10. 81% EFFICIENT FURNACE, WITH MODULATING INDUCER TO MAINTAIN CONSTANT COMBUSTION EFFICIENCY ACROSS FIRING RANGE. 6:1 TURNDOWN WITH NG AND 5:1 TURNDOWN WITH LP.
11. SUPPLY CFM MONITORING INTEGRAL TO UNIT WITH CFM MEASUREMENT INCLUDED THROUGH DIGITAL INTERFACE.
12. HAIL GUARD FOR CONDENSING COIL.
13. 1" EXTERIOR DUAL-WALL CONSTRUCTION W/ R-4.3 INSULATION-MINIMUM 24GA EXTERIOR W/ 18GA BASE.

DX SPLIT SYSTEM WITH ELECTRIC HEAT SCHEDULE

MARK	AIR HANDLER											AIR COOLED CONDENSING UNIT										COOLING PERFORMANCE DATA							REMARKS
	ARRANGEMENT	SERVES	UNIT CFM	O/A CFM	EXT. S.P.	H.P.	POWER CONNECTION				AUX. HEATING		MANUFACTURER AND MODEL NO.	UNIT WEIGHT (LBS)	COMPRESSORS		REF. TYPE	FANS		POWER CONNECTION				MANUFACTURER AND MODEL NO.	UNIT WEIGHT (LBS)	CAPACITY (MBH)			O.D. D.B F.	ENTERING		MIN SEER/ (EER)	
							V.	Ph.	MCA	MOCP	STAGES	TOT. KW			NO.	R.L.AMPS EACH		NO.	H.P.	V.	Ph.	MCA	MOCP			TOTAL	LAT	SENS		D.B. F.	W.B. F.		
ACU/CU-2	HORIZONTAL	COMPUTER	2,000	410	0.5	1	460	3	31.0	36.0	3	18.89	TRANE		1	7.6	R454B	1	1/5	460	3	9	15.0	TRANE	215	53.8	16.9	36.9	105	80	65	13.4	1,2,3,4,5,6,7,9
AHU-5	VERTICAL	ADMIN	2,600	300	1	1	460	3	37.0	40.0	SCR	21.02	TRANE	319	2	8.1	R454B	1	1/5	460	3	22	25.0	TRANE	433	93.0	20.0	73.0	105	78	64	(14.8)	ALL

1. AIR HANDLER WIRING INCLUDES AUX. HEATING.
2. EXTERNAL STATIC PRESSURE ("WG") INCLUDES DUCTWORK, BALANCING DAMPERS AND AIR DEVICES ONLY
3. SIZE, ROUTE, INSULATE AND PROVIDE APPURTENANCES FOR DX PIPING SYSTEMS, PER MANUFACTURER RECOMMENDATIONS
4. LISTED CAPACITIES ARE FOR THE AIR HANDLER UNIT AND CONDENSER UNIT COMBINATION, UNITS SHALL PERFORM TO LISTED CAPACITIES.
5. TRANE IS THE BASIS FOR DESIGN. ACCEPTABLE ALTERNATE MANUFACTURER'S ARE: TRANE AND YORK - NO EXCEPTIONS. CONTRACTOR IS RESPONSIBLE FOR VARIATIONS IN FIT AND ELECTRICAL SERVICE.
6. PROVIDE FILTER DRYER AND SIGHT GLASS ON THE DX LINES
7. FOR LONG DX LINE RUNS, USE MANUFACTURER'S RECOMMENDED LONG LINE INSTALLATION GUIDELINES
8. PROVIDE WITH DRY BULB ECONOMIZER.
9. PROVIDE WITH 2" MERV-13 FILTERS.
10. PROVIDE WITH INTEGRAL DISCONNECT SWITCH AND UNPOWERED GFCI RECEPTACLE.
11. PROVIDE WITH STAINLESS STEEL OR CORROSION RESISTANT CONDENSATE DRAIN PAN.
12. PROVIDE WITH TERMINAL STRIP FOR CONTROL SYSTEM INTERFACE - COORDINATE WITH CONTROLS CONTRACTOR.

KITCHEN EXHAUST FAN SCHEDULE

MARK	SERVES	CFM	EXT. SP IN. W.G.	RPM	MOTOR ENCL	MOTOR DATA					DRIVE	MAX. SONES	CONTROL	MANUFACTURER AND MODEL NUMBER	WEIGHT (LBS.)	REMARKS
						HP	BHP	V	PH	FLA						
KEF-1	KITCHEN HOOD	1,650	1.25	1426	ODP	0.75	.515	208	3	2.6	DIRECT	12.8	KITCHEN HOOD CONTROLS	CAPTIVEAIRE DU85HFA	96	ALL

1. OR APPROVED EQUAL
2. PROVIDE FAN WITH PRE WIRED INTEGRAL DISCONNECT
3. PROVIDE INSULATED FACTORY ROOF CURB TO MATCH ROOF TYPE AND SLOPE
4. PROVIDE WITH VIBRATION ISOLATORS.
5. PROVIDE WITH VARIABLE FREQUENCY DRIVE
6. PROVIDE WITH LIFTING LUGS
7. PROVIDE WITH VENTED EXTENSION ROOF CURB (MINIMUM 8 INCHES FROM FINISHED ROOF)
8. PROVIDE WITH HINGED BASE
9. PROVIDE WITH GREASE TROUGH
10. PROVIDE WITH PERMANENT 1 INCH THICK WASHABLE ALUMINUM FILTER
11. FAN TO BE MONITORED BY FMCS
12. INTERLOCK WITH KITCHEN HOOD CONTROLS
13. NFPA 96 AND UL 762 RATED

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campos@camposengineering.com
Registration No: F-001731
Project Number: D24-3447.00

KITCHEN HOOD SCHEDULE

HOOD NO.	TAG	MAKE	MODEL	LENGTH	MAX. COOKING TEMP.	EXHAUST PLENUM						UTILITY CABINET(S)				FIRE SYSTEM PIPING
						TOTAL EXH. CFM	RISER(S)					FIRE SYSTEM		ELECTRICAL	SWITCHES	
							HEIGHT	DIA.	CFM	VEL.	S.P.	TYPE	SIZE	MODEL #	QTY.	
1	KH-1	CAPTIVE-AIRE	6024ND-2-PSP-F	9' 6'	450 DEG.	1650	4"	14"	1650	1543	-0.746"	TANK FS	4.0	SC-311110MA	1 LIGHT 1 FAN	YES

HOOD NO.	TAG	PERFORATED SUPPLY PLENUM										HOOD HANGING WEIGHT	REMARKS
		POS.	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S)						
							WIDTH	LENGTH	DIA.	CFM	S.P.		
1	KH-1	FRONT	126"	12"	6"	MUA	10"	28"		660	0.171	883 LBS.	ALL
						MUA	10"	28"		660	0.171		

1. PROVIDE FIELD WRAPPER 18" HIGH (FRONT, LEFT, RIGHT)
2. PROVIDE BACKSPLASH 80" HIGH x 126" LONG 430 SS VERTICAL
3. PROVIDE LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH, INSULATED 430 SS.
4. PROVIDE RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 80" HIGH, INSULATED 430 SS.
5. HOOD SHALL BE CONSTRUCTED OF 430 SS WHERE EXPOSED.

AIR DEVICE SCHEDULE

MARK	SERVES	MODULE SIZE	MOUNTING	TYPE	MANUFACTURER AND MODEL NO.	REMARKS
S1	SUPPLY	8X8 - 6X6 NECK	SURFACE	SIDEWALL AEROBLADE	TITUS 272FL	1,2,3,5,6
S2	SUPPLY	24" X 24"	SURFACE	PERFORATED	TITUS PAR	1,2,3,5
R1	RETURN	20X12 - 18X10 NECK	SURFACE	SIDEWALL AEROBLADE	TITUS 23RL	1,2,3,5,6

1. UNITS SHALL BE FURNISHED WITH APPROPRIATE FRAMES, ETC. FOR MOUNTING IN RESPECTIVE CEILING/WALL TYPES AND CONDITIONS
2. STANDARD WHITE FINISH, UNLESS NOTED OTHERWISE. VERIFY FINAL COLOR SELECTION WITH ARCHITECT/OWNER PRIOR TO ORDERING
3. OR APPROVED EQUAL
4. FOUR-WAY THROW UNLESS OTHERWISE INDICATED ON PLAN
5. TRANSITION FROM BACK OF GRILLE TO DUCT SIZE SHOWN ON PLAN. PROVIDE RECTANGULAR TO ROUND TRANSITIONS AS REQUIRED
6. ALL DIFFUSERS, REGISTERS AND GRILLES SHALL HAVE AN NC < 25 AT DESIGN CONDITION

DX DUCTLESS SPLIT SYSTEM AIR CONDITIONER SCHEDULE

MARK ACU-CU-	SERVICE	AIR HANDLER						AIR COOLED CONDENSING UNIT										UNIT WEIGHT(LBS)	MANUFACTURER MAKE AND MODEL	COOLING PERFORMANCE DATA						REMARKS
		ARRANGEMENT	CFM	POWER CONNECTION				COMPRESSORS		REF. TYPE	FANS		POWER CONNECTION							CAPACITY (MBH)		O.D. D.B. F.	ENTERING		MIN. SEER	
				V.	Ph.	MCA	MOCP	NO.	R.L.AMPS EACH		NO.	FLA	V.	Ph.	MCA	MOCP				TOTAL	SENS		D.B. F.	W.B. F.		
1	TECH ROOM 231	CEILING CASSETTE	988	208	1	1.0	15.0	1	19.5	R410A	2	0.5	208	1	25.0	40	207.0	LG ARUN038	38.0	-	95	80	67	13.4	ALL
3	STORAGE 138	WALL MOUNT	918	208	1	1.0	15.0	1	19.5	R410A	2	0.5	208	1	25.0	40	207.0	LG ARUN038	38.0	-	95	80	67	13.4	ALL
4	BOOK ROOM 330	CEILING CASSETTE	988	208	1	1.0	15.0	1	19.5	R410A	2	0.5	208	1	25.0	40	207.0	LG ARUN038	38.0	-	95	80	67	13.4	ALL

1. OR APPROVED EQUAL.
2. SIZE, ROUTE, INSULATE AND PROVIDE APPURTENANCES FOR DX PIPING SYSTEMS, PER MANUFACTURER RECOMMENDATIONS
3. COORDINATE OUTDOOR UNIT MOUNTING REQUIREMENTS AND ROOF PENETRATIONS WITH ROOFING CONTRACTOR.
4. DISABLE REVERSING VALVE ON HEAT PUMPS FOR ANY COOLING ONLY SPACES.

FAN SCHEDULE

MARK EF-	LOCATION	CFM	EXT. SP IN. W.G.	MOTOR DATA			DRIVE	MAX. SONES	CONTROL	MANUFACTURER AND MODEL NUMBER	WEIGHT (LBS.)	REMARKS
				HP/(WATTS)	V	PH						
2	1ST FLOOR ROOM	400	0.5	1/15	115	1	DIRECT	10.7	CONTINUOUS	GREENHECK G	50	ALL
5	3RD FLOOR ROOF	1,770	1.0	3/4	115	1	DIRECT	12.7	CONTINUOUS	GREENHECK G	100	ALL

1. OR APPROVED EQUAL
2. PROVIDE A GRAVITY BACKDRAFT DAMPER
3. PROVIDE FAN WITH INTEGRAL DISCONNECT
4. PROVIDE INSULATED FACTORY ROOF CURB TO MATCH ROOF TYPE AND SLOPE.
5. PROVIDE WITH ALUMINUM BIRD SCREEN.
6. PROVIDE WITH FACTORY PRE-WIRED, FAN SPEED CONTROLLER

AIR BALANCE SCHEDULE

ROOM	SUPPLY	RETURN	EXHAUST	DIFFERENTIAL
KITCHEN 127	1880	1800	1650	(-)1570

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PROJECT NAME

Org 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS

6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE

MECHANICAL SCHEDULES

SHEET NUMBER

M10.02

CAMPOS ENGINEERING

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(214) 696-6291
campos@camposengineering.com
Registration No: F-001731
Project Number: D24-3447.00

11/19/2024 3:19:24 PM Autodesk Docs://2023351 DISD Dade, McShane, Polk Renovations/DISD_KB_Polk_CENTER_MECH_R23.rvt

KITCHEN HOOD EXHAUST FANS AND MAKEUP AIR UNITS

A. GENERAL:

1. Kitchen hood, exhaust fans and makeup air units to have standalone kitchen system controls.
2. Kitchen hood exhaust fans shall be hardwired interlocked with associated makeup air units.
3. Kitchen hood exhaust fans and makeup air units shall be monitored by FMCS.

B. CONTROL POINTS:

Description	Type
Fan Amps/Status (Each Kitchen Fan)	AI
Fan Amp/Status (Each makeup Air Unit)	AI

VARIABLE FREQUENCY DRIVES

A. GENERAL:

1. The FMCS shall interface and monitor points from the VFDs.
2. VFD interfaces shall be achieved via communication link.
3. VFD data to be shown on associated unitary graphic.
4. Provide dashboard with daily, weekly, monthly, and yearly usage totals for KWH and

B. CONTROL POINTS:

Description	Type
Start/Stop (Each VFD)	DI
Alarm (Each VFD)	DI
Percent Output (Each VFD)	AI
Frequency Output (Each VFD)	AI
Amperage (Each VFD)	AI
KWH (Each VFD)	AI
Runtime (Each VFD)	AI

VARIABLE AIR VOLUME AIR HANDLING UNIT (CHILLED WATER/ ELEC. PREHEAT)

A. GENERAL:

1. The unit shall have supply fan, electric coil, chilled water coil and outside air damper. The control system contractor shall provide a dedicated stand-alone DDC controller for each unit.

B. UNIT ENABLING/DISABLING:

1. The occupied/unoccupied mode of operation shall be defined by the EMCS optimum start/stop schedule.
2. During unoccupied times, a minimum number of associated VAV boxes, 40% (adj.), shall request the AHU before AHU is allowed to operate.

C. FAN CONTROL:

1. The unit shall operate when the associated VAV boxes it serves are in occupied mode and operational.
2. The supply fan VFD will be controlled by static pressure transducer 2/3rds of the way down the longest supply duct run. If the static pressure is below setpoint, the supply fan speed will be increased. If the static pressure is above setpoint, the supply fan speed will be decreased.
3. A static pressure reset algorithm shall be used with minimum and maximum limits of .5" to 1.2" (adj.). VAV boxes shall be polled for damper position. Static pressure shall be slowly decreased until 25% (adj.) of the VAV box damper positions are at least 90% open.

D. TEMPERATURE CONTROL:

1. Warm-up or Cool-down:
   a. The EMCS shall determine the required warm-up or cool-down period based on the optimized start algorithm.
   b. Upon enabling the unit, the unit shall heat or cool as required to satisfy the occupied heating or cooling setpoints of 60% (adj.) of the VAV boxes (initially 70°F heating, 74°F cooling) as sensed by a space temperature sensor.
   c. During warm-up, the supply air discharge temperature shall be 90°F (adj.). During cool-down, the supply air temperature shall be 55°F (adj.).
   d. Once the occupied setpoint temperature threshold has been reached, the EMCS shall switch the unit to the occupied mode.
2. Occupied Mode:
   a. Preheat Coil:
      (1) The DCC controller shall enersige the staged heating to maintain discharge temperature of 50°F (adj.). The DCC controller shall deenergize staged heating when ambient outside air temperature is above 55°F (adj.).
   b. Cooling Coil:
      (1) The chilled water valve will modulate to initially maintain unit discharge supply air temperature of 55°F (adj.). There shall be a linear supply air temperature reset algorithm in between:
         i. 55°F (adj.) supply air temperature supply when outside air temperature is at or above 80°F (adj.)
         ii. 60°F(adj.) supply air temperature supply when outside air temperature is at or below 50°F (adj.)
3. Unoccupied Mode:
   (1) The EMCS shall enable the unit as required to maintain the unoccupied heating and cooling setpoints (initially 55°F heating and 85°F cooling) as sensed by the VAV box space temperature sensors. A minimum number of associated VAV boxes, 40% (adj.), shall request the AHU before AHU is allowed to operate.

E. OUTSIDE AIR DAMPER CONTROL:

1. Warm-up or Cool-down:
   a. The outside air damper shall be closed.
2. Occupied Mode:
   a. EMCS shall monitor the CO2 level at return air duct/plenum:
      (1) When CO2 levels are below 1100 ppm (adj.), the outside air damper shall be at the minimum position (adj.) as set by TAB. Reference scheduled CFM.
      (2) When CO2 levels are above 1200 ppm (adj.), the outside air damper shall be at the maximum position (adj.) as set by TAB. Reference scheduled CFM.
3. Unoccupied mode:
   a. The outside air damper shall be closed.

F. DRY BULB ECONOMIZER MODE: (Utilize when economizer exemption cannot be taken)

1. In occupied or unoccupied mode, outside air temperature is 60°F (adj.) or below and there is a call for cooling, the unit shall be in economizer mode. Outside air damper is to open 100% and to provide free cooling. If cold deck setpoint is not meet within 10 min (adj.), mechanical cooling will be enabled.

G. SAFETIES:

1. Freeze Protection:
   a. When the outside air (OA) temperature drops below 36°F (adj.), chilled water and hot water valves will be open to 20% if not already open.
   b. When the OA temperature rises 2°F above freeze protection setpoint for one hour, the reverse shall occur.
2. Freeze Stat:
   a. A temperature low limit switch shall be provided to disable the unit and close all dampers when it senses that the air temperature is below 36°F (adj.)
3. Static Pressure Switch
   a. A high static pressure switch shall be provided to disable the unit and close all dampers when pressure switch is activated.

H. CONTROL POINTS:

Description	Type
Fan Amps/Status	AI
Filter Alarm	DI
Mixed Air Temperature	AI
Return Air Temperature	AI
Return Air Humidity	AI
Return Air CO2	AI
Preheat Supply Temperature (PreCool)	AI
Unit Discharge Air Temperature	AI
Static Pressure Sensor	AI
Freeze Status Alarm	DI
High Static Alarm	DI
Fan Start/Stop Command	DO
Fan VFD Speed	AO
Chilled Water Valve	AO
Hot Water Valve	AO
Outside Air Damper	AO

SINGLE ZONE DX RTU

A. GENERAL:

1. System consists of a direct expansion (DX) cooling section, heating section, supply fan section and an outside air damper.
2. Temperature sensors for DX single zone RTU serving a classroom shall have a blank face with occupancy override button.
3. Temperature sensors for DX RTU serving areas such as Administration, Gyms, Auditoriums, Cafeterias, Kitchens, Choir, Dance and Band shall have a blank face with occupancy override button.

B. UNIT ENABLING/DISABLING:

1. The occupied/unoccupied mode of operation shall be defined by the EMCS optimum start/stop schedule.
2. During unoccupied times, as required to maintain the unoccupied heating and cooling setpoints 55°F (adj.) heating and 85°F (adj.) cooling as sensed by the space temperature sensor.
3. When the override pushbutton is depressed, the unit shall be indexed to the occupied mode for an adjustable period of time (initially 1 hour). After the override time period has expired, the unit shall revert back to the unoccupied mode.

C. FAN CONTROL:

1. Fan speed shall be controlled by the unit's internal controls. If unit requires fan speed to be controlled by external source, contractor to provide everything necessary to achieve fan control as noted below.
   a. Fan shall run in low speed during first stage heating or cooling as set by TAB.
   b. Fan shall run in high speed during second stage heating or cooling as set by TAB.

D. OUTSIDE AIR DAMPER CONTROL:

1. Warm-up or Cool-down:
   a. The outside air damper shall be closed.
2. Occupied Mode:
   a. EMCS shall monitor the CO2 level in the space:
      (1) When CO2 levels are below 1100 ppm (adj.), the outside air damper shall be at the minimum position (adj.) as set by TAB. Reference scheduled CFM.
      (2) When CO2 levels are above 1200 ppm (adj.), the outside air damper shall be at the maximum position (adj.) as set by TAB. Reference scheduled CFM.
3. Unoccupied mode:
   b. The outside air damper shall be closed.

E. TEMPERATURE CONTROL:

1. Warm-up or Cool-down:
   a. The EMCS shall determine the required warm-up or cool-down period based on the optimized start algorithm.
   b. Upon enabling the unit, the unit shall heat and cool as required to maintain the occupied heating and cooling setpoints (initially 70°F heating, 74°F cooling) as sensed by a space temperature sensor.
   c. Once the occupied setpoint temperature has been reached, the EMCS shall switch the unit to the occupied mode.
2. Occupied Mode:
   a. Space set point shall be user adjustable within ±2°F (adj.).
   b. In the occupied mode of operation, the unit supply fan shall cycle with a call for heating or cooling.
   c. The unit shall heat and cool as required to maintain the occupied heating and cooling setpoints (initially 70°F heating, 74°F cooling) as sensed by a space temperature sensor.
   d. When space temperature rises above occupied cooling setpoint, the DDC controller shall energize the first stage of mechanical cooling. When space temperature continues to rise 2°F (adj.) above occupied cooling setpoint, the DDC controller shall energize the second stage of mechanical cooling.
      (1) First stage cooling - Low speed supply CFM and first stage of compressor(s)
      (2) Second stage cooling - High speed supply CFM and second stage of compressor(s)

      Unit shall run in second stage cooling until space temperature drops to occupied space cooling setpoint. Unit shall then run in first stage of cooling until space temperature drops 1°F (adj.) below space temperature setpoint and then cycle off.

   e. When space temperature drops below occupied heating setpoint, the DDC controller shall energize the first stage of heating. When space temperature continues to drop 2°F (adj.) below occupied heating setpoint, the DDC controller shall energize the second stage of heating.
      (1) First stage heating - Low speed supply CFM and first stage of heating.
      (2) Second stage heating - High speed supply CFM and second stage of heating.

      Unit shall run in second stage heating until space temperature rises to occupied space heating setpoint. Unit shall then run in first stage heating until space temperature rises 1°F (adj.) above space temperature setpoint and then cycle off.
3. Unoccupied Mode:
   a. The EMCS shall enable the unit as required to maintain the unoccupied heating and cooling setpoints (initially 55°F heating and 85°F cooling) as sensed by the space temperature sensor.
   b. When override button is pushed, the unit shall index to occupied mode for one (1) hour (adj.). After the override time has expired, the unit shall revert to unoccupied mode.

F. DRY BULB ECONOMIZER MODE: (Utilize when economizer exemption cannot be taken)

   a. In occupied or unoccupied mode, when space temperature is above space setpoint, outside air temperature is 60°F (adj.) or below and there is a call for cooling, the unit shall be in economizer mode. Outside air damper is to open 100% and to provide free cooling to the space until the space temperature setpoint is satisfied. If space is not satisfied within 10 min (adj.), mechanical cooling will be enabled.
   b. Units equipped with a powered exhaust fan, the fan is to be enabled any time the unit is in economizer mode.
   c. All sensors necessary for economizer mode operation and FDD shall be provided and fully controlled by EMCS contractor.

G. FAULT DETECTION AND DIAGNOSTICS (FDD): (Utilize When economizer exemption cannot be taken)

1. Each DX rooftop unit shall have its economizer status monitored by the EMCS. The unit's fault detection and diagnostics shall be capable of generating a visible alarm to be seen by the EMCS should the unit be in economizer when conditions are not met, or vice versa.

H. CONTROL POINTS:

Description	Type
Supply Fan Amps/Status	AI
Compressor Amps/Status (Each Compressor)	AI
Mixed Air Temperature	AI
Supply Air Temperature	AI
Outside Air Temperature (Global)	AI
Space Temperature	AI
Space CO2 Concentration	AI
Outside Air Damper Feedback	AI
Fan Start/Stop Command (Each Fan)	DO
Fan Speed (Only If Required by Unit)	AO
Compressor Cooling Command (Each Stage)	DO
Heating Command (Each Stage)	DO
Outside Air Damper	AO

DIRECT EXPANSION (DX) SPLIT SYSTEM WITH ELECTRIC HEATING SEQUENCE OF OPERATION:

1. Run Conditions: The unit shall run according to a user definable time schedule in the following modes:
   1.a. Occupied Mode: The unit shall maintain
      1.a.1. Space Cooling Setpoint: 75°F (adj.)
      1.a.2. Space Heating Setpoint: 70°F (adj.)
   1.b. Unoccupied Mode: The unit shall maintain
      1.b.1. Space Cooling Setpoint: 85°F (adj.)
      1.b.2. Space Heating Setpoint: 55°F (adj.)
2. Alarms shall be provided as follows:
   2.a. High Zone Temp: If the zone temperature is greater than the cooling setpoint by a user definable amount (adj.)
   2.b. Low Zone Temp: If the zone temperature is lower than the heating setpoint by a user definable amount (adj.)
3. Zone Setpoint Adjust
   3.a. The occupant shall be able to adjust the zone temperature heating and cooling setpoints at the zone sensor.
4. Zone Optimal Start
   4.a. The unit shall use an optimal start algorithm for morning start-up. This algorithm shall minimize the unoccupied warm-up or cool-down period while still achieving comfort conditions by the start of scheduled occupied period.
5. Zone Unoccupied Override
   5.a. A timed local override control shall allow an occupant to override the schedule and place the unit into an occupied mode for an adjustable period of time. At the expiration of this time, control of the unit shall automatically return to the schedule.
6. Smoke Detection (For units greater than 2,000 CFM)
   6.a. The unit shall shut down and generate an alarm upon receiving a smoke detector status.
7. Supply Fan
   7.a. The fan shall run anytime the unit is commanded to run, unless shutdown on safeties. The fan speeds shall automatically be indexed as follows
      7.a.1. Low speed shall run anytime the zone temperature is within setpoints.
      7.a.2. High speed shall run anytime the zone temperature is outside of setpoints.
   7.b. The controller shall monitor the fan status. Alarms shall be provided as follows:
      7.b.1. Fan Failure: Commanded on, but the status is off
      7.b.2. Fan in Hand: Commanded off, the the status is on
8. Cooling Stages:
   8.a. The controller shall measure the zone temperature and stage the cooling to maintain its cooling setpoint. To prevent short cycling, there shall be a user definable (adj.) delay between stages, and each stage shall have a user definable (adj.) minimum runtime. The cooling shall be enabled whenever:
      8.a.1. Outside air temperature is greater than 65°F (adj.)
      8.a.2. AND the zone temperature is above cooling setpoint
      8.a.3. AND the fan is on
9. Electric:
   9.a. The controller shall measure the zone temperature and stage the heating to maintain its heating setpoint. To prevent short cycling, there shall be a user definable (adj.) delay between stages, and each stage shall have a user definable (adj.) minimum runtime. The heating shall be enabled whenever:
      9.a.1. Outside air temperature is less than 65°F (adj.)
      9.a.2. AND the zone temperature is below heating setpoint
      9.a.3. AND the fan is on
10. Heating - High Discharge Air Temperature Limit:
   10.a. The controller shall measure the discharge air temperature and, on rising temperature, limit the heating as follows:
      10.a.1. As the discharge air temperature rises from 90°F to 120°F (adj.)
      10.a.2. The controller shall limit the heating output from 100% to 0% (adj.)
11. Outside Air Damper:
   11.a. The outside air damper shall open to provide a fixed percentage outside air ventilation anytime the unit is in occupied mode. The damper open position shall be set during testing and balancing. The outside air damper shall closed when the unit is off or in unoccupied mode.
12. Filter Differential Pressure Monitor:
   12.a. The controller shall monitor the differential pressure across the filter. If the filter differential pressure exceeds a user definable limit (adj.), an alarm shall be provided at the front end notifying the user a filter change is required.
13. Discharge Air Temperature
   13.a. The controller shall monitor the discharge air temperature.
   13.b. Alarms shall be provided as follows:
      13.b.1. High Discharge Air Temp: If the discharge air temperature is greater than 120°F (adj.)
      13.b.2. Low Discharge Air Temp: If the discharge air temperature is less than 40°F (adj.)
14. Fan Status
   14.a. The controller shall monitor the fan status
   14.b. Alarms shall be provided as follows:
      14.b.1. Fan Failure: Commanded on, but the status is off.
      14.b.2. Fan in Hand: Commanded off, but the status is on.

Fan Runtime Exceeded: Fan status runtime exceeds a user definable limit (adj.).

RESTROOM EXHAUST FAN SEQUENCE OF OPERATION

1. Each restroom exhaust fan will run continuous during occupied hours. The exhaust fan shall run continuously while the restroom is occupied and for an additional 10 minutes (Adj.) after building becomes unoccupied.
2. These fans shall be monitored by the BMS.

VARIABLE AIR VOLUME AIR HANDLING UNIT (CHILLED WATER/ ELEC. HEAT)

A. GENERAL:

1. The unit shall have supply fan, electric coil, chilled water coil and outside air damper. The control system contractor shall provide a dedicated stand-alone DDC controller for each unit.

B. UNIT ENABLING/DISABLING:

1. The occupied/unoccupied mode of operation shall be defined by the EMCS optimum start/stop schedule.
2. During unoccupied times, a minimum number of associated VAV boxes, 40% (adj.), shall request the AHU before AHU is allowed to operate.

C. FAN CONTROL:

1. The unit shall operate when the associated VAV boxes it serves are in occupied mode and operational.
2. The supply fan VFD will be controlled by static pressure transducer 2/3rds of the way down the longest supply duct run. If the static pressure is below setpoint, the supply fan speed will be increased. If the static pressure is above setpoint, the supply fan speed will be decreased.
3. A static pressure reset algorithm shall be used with minimum and maximum limits of .5" to 1.2" (adj.). VAV boxes shall be polled for damper position. Static pressure shall be slowly decreased until 25% (adj.) of the VAV box damper positions are at least 90% open.

D. TEMPERATURE CONTROL:

1. Warm-up or Cool-down:
   a. The EMCS shall determine the required warm-up or cool-down period based on the optimized start algorithm.
   b. Upon enabling the unit, the unit shall heat or cool as required to satisfy the occupied heating or cooling setpoints of 60% (adj.) of the VAV boxes (initially 70°F heating, 74°F cooling) as sensed by a space temperature sensor.
   c. During warm-up, the supply air discharge temperature shall be 90°F (adj.). During cool-down, the supply air temperature shall be 55°F (adj.).
   d. Once the occupied setpoint temperature threshold has been reached, the EMCS shall switch the unit to the occupied mode.
2. Occupied Mode:
   a. When space temperature drops below occupied heating setpoint, the DDC controller shall energize the first stage of heating. When space temperature continues to drop 2°F (adj.) below occupied heating setpoint, the DDC controller shall energize the second stage of heating.
      (1) First stage heating - Low speed supply CFM and first stage of heating.
      (2) Second stage heating - High speed supply CFM and second stage of heating.

      Unit shall run in second stage heating until space temperature rises to occupied space heating setpoint. Unit shall then run in first stage heating until space temperature rises 1°F (adj.) above space temperature setpoint and then cycle off.
3. Unoccupied Mode:
   (1) The EMCS shall enable the unit as required to maintain the unoccupied heating and cooling setpoints (initially 55°F heating and 85°F cooling) as sensed by the VAV box space temperature sensors. A minimum number of associated VAV boxes, 40% (adj.), shall request the AHU before AHU is allowed to operate.

E. OUTSIDE AIR DAMPER CONTROL:

1. Warm-up or Cool-down:
   a. The outside air damper shall be closed.
2. Occupied Mode:
   a. EMCS shall monitor the CO2 level at return air duct/plenum:
      (1) When CO2 levels are below 1100 ppm (adj.), the outside air damper shall be at the minimum position (adj.) as set by TAB. Reference scheduled CFM.
      (2) When CO2 levels are above 1200 ppm (adj.), the outside air damper shall be at the maximum position (adj.) as set by TAB. Reference scheduled CFM.
3. Unoccupied mode:
   a. The outside air damper shall be closed.

F. DRY BULB ECONOMIZER MODE: (Utilize when economizer exemption cannot be taken)

1. In occupied or unoccupied mode, outside air temperature is 60°F (adj.) or below and there is a call for cooling, the unit shall be in economizer mode. Outside air damper is to open 100% and to provide free cooling. If cold deck setpoint is not meet within 10 min (adj.), mechanical cooling will be enabled.

G. SAFETIES:

1. Freeze Protection:
   a. When the outside air (OA) temperature drops below 36°F (adj.), chilled water and hot water valves will be open to 20% if not already open.
   b. When the OA temperature rises 2°F above freeze protection setpoint for one hour, the reverse shall occur.
2. Freeze Stat:
   a. A temperature low limit switch shall be provided to disable the unit and close all dampers when it senses that the air temperature is below 36°F (adj.)
3. Static Pressure Switch
   a. A high static pressure switch shall be provided to disable the unit and close all dampers when pressure switch is activated.

H. CONTROL POINTS:

Description	Type
Fan Amps/Status	AI
Filter Alarm	DI
Mixed Air Temperature	AI
Return Air Temperature	AI
Return Air Humidity	AI
Return Air CO2	AI
Preheat Supply Temperature (PreCool)	AI
Unit Discharge Air Temperature	AI
Static Pressure Sensor	AI
Freeze Status Alarm	DI
High Static Alarm	DI
Fan Start/Stop Command	DO
Fan VFD Speed	AO
Chilled Water Valve	AO
Hot Water Valve	AO
Outside Air Damper	AO

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PROJECT NAME

Org 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS

6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE

MECHANICAL CONTROLS

SHEET NUMBER

M11.01

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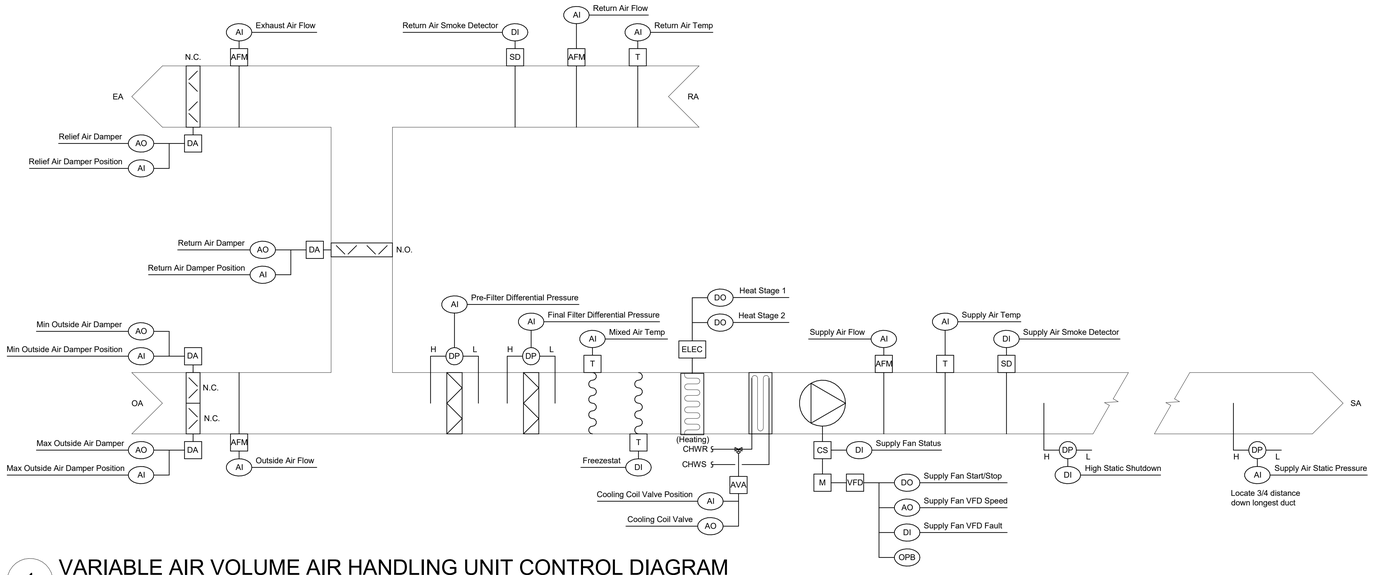
campos@camposengineering.com
Registration No: F-001731
Project Number: D24-3447.00

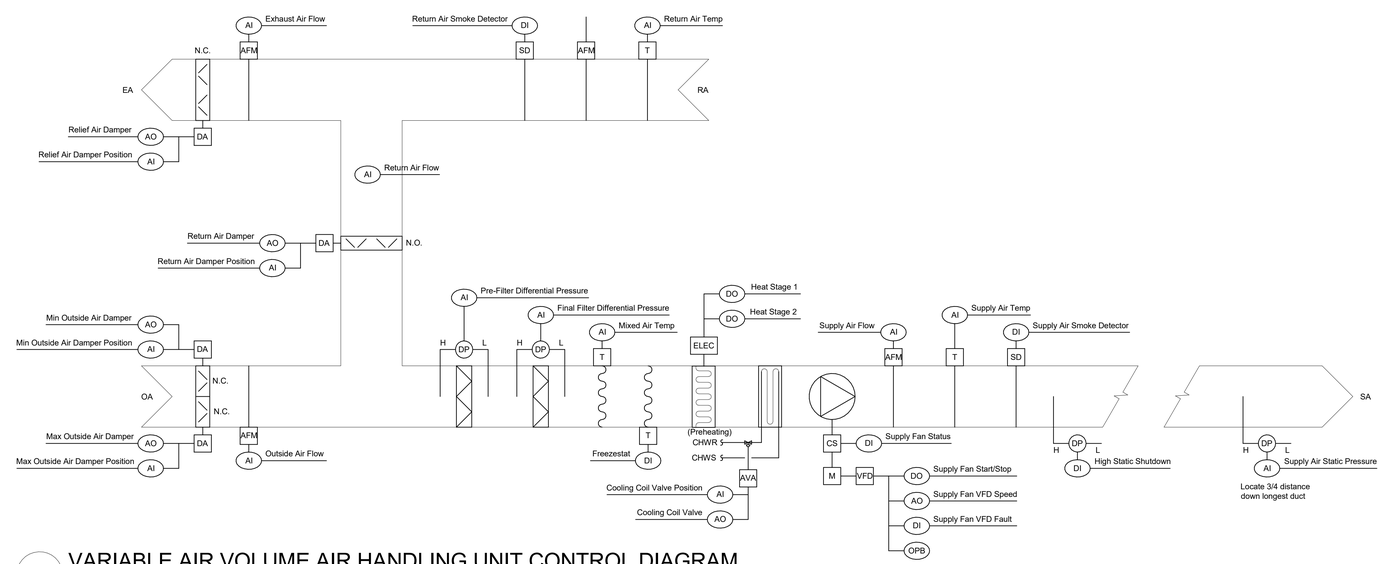
11/19/2024 3:19:24 PM Autodesk Docs://2023351 DISD Dalds, McShane, Polk Renovations/DISD_KB_Polk_CENTER_MECH_R23.rvt



1 VARIABLE AIR VOLUME AIR HANDLING UNIT CONTROL DIAGRAM

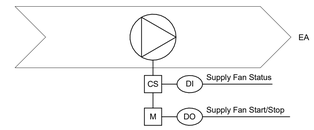
SCALE: NONE

SYMBOL LIST	
SYMBOL	DESCRIPTION
	OPPOSED BLADE DAMPER
	HYDRONIC HEATING OR COOLING COIL
	NATURAL GAS HEATING COIL
	ELECTRIC HEATING COIL
	DIRECT EXPANSION COOLING COIL
	FAN OR PUMP MOTOR
DP	DIFFERENTIAL PRESSURE SENSOR
AFM	AIR FLOW MONITORING
SD	SMOKE DETECTOR
T	DUCT MOUNTED TEMPERATURE SENSOR
T	WALL MOUNTED TEMPERATURE SENSOR
TCU	TERMINAL CONTROL UNIT
VFD	VARIABLE FREQUENCY DRIVE
AVA	ADJUSTABLE VALVE ACTUATION
DI	DDC DIGITAL INPUT POINT
DO	DDC DIGITAL OUTPUT POINT
AI	DDC ANALOG INPUT POINT
AO	DDC ANALOG OUTPUT POINT
OPB	OPEN PROTOCOL BUS
M	MOTOR
DA	DAMPER ACTUATOR
BRD	BAROMETRIC RELIEF DAMPER
CS	CURRENT SENSOR



2 VARIABLE AIR VOLUME AIR HANDLING UNIT CONTROL DIAGRAM

SCALE: NONE



3 EXHAUST FAN CONTROL DIAGRAM

SCALE: NONE

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kirksey.com

STATE OF TEXAS
EDGAR A. GUARDIOLA
144240
LICENSED
PROFESSIONAL
ENGINEER

11/11/2024

△	DATE	ISSUE
A	11 NOV 2024	100% Construction Documents

PROJECT NAME

Org 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS

6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE

MECHANICAL CONTROLS

SHEET NUMBER

M11.02

CAMPOS

ENGINEERING

1331 River Bend Drive
Dallas, Texas 75247
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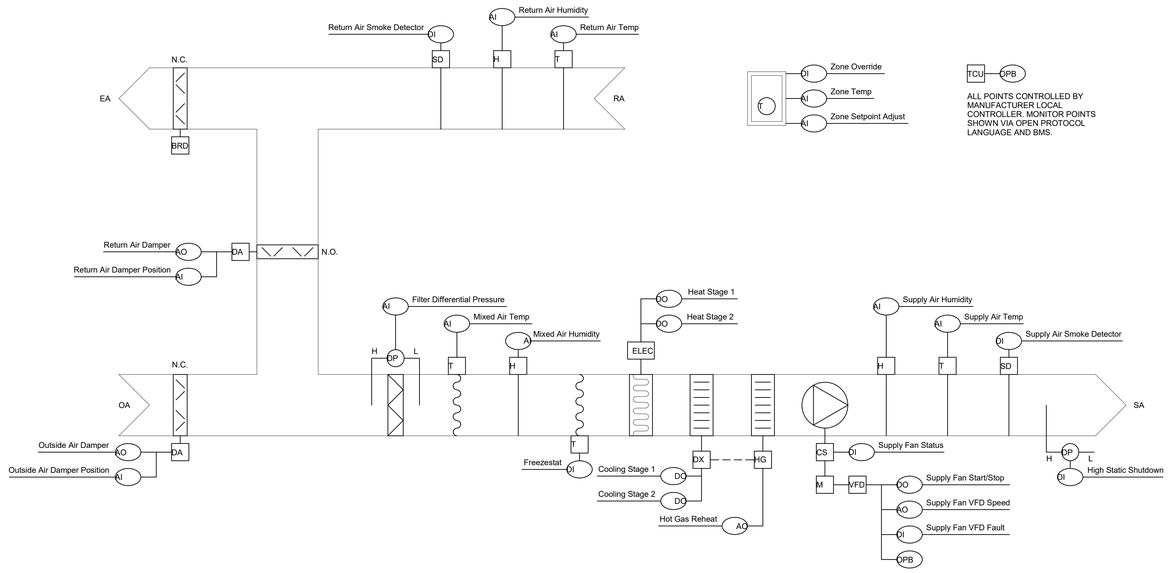
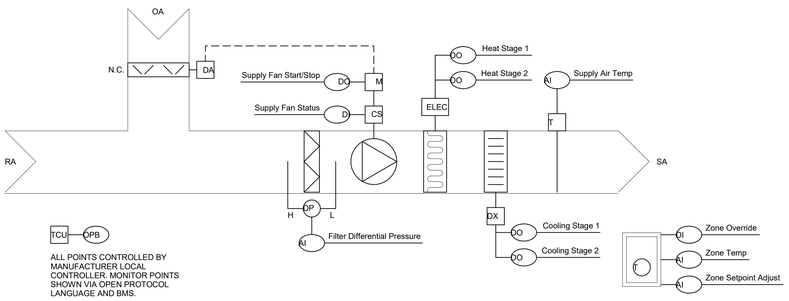
Registration No: F-001731
Project Number: D24-3447.00

11/19/2024 3:19:24 PM
Autodesk Docs://2023351 DISD Dalls, McShane, Polk Renovations/DISD_KB_Polk_CENTER_MECH_R23.rvt



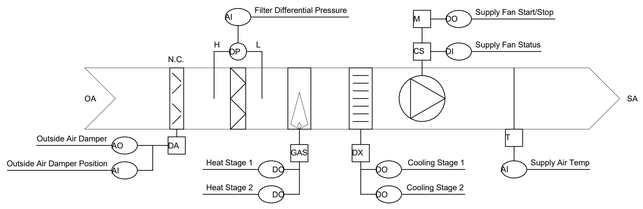
4 SINGLE ZONE PACKAGED DX ROOFTOP UNIT WITH ELECTRIC HEAT CONTROL DIAGRAM

SCALE: NONE



5 DX SPLIT SYSTEM WITH ELECTRIC HEATING CONTROL DIAGRAM

SCALE: NONE



6 MAKEUP AIR UNIT CONTROL DIAGRAM

SCALE: NONE

1 Control Diagrams 2
12" = 1'-0"

SYMBOL LIST

SYMBOL	DESCRIPTION
	OPPOSED BLADE DAMPER
	HYDRONIC HEATING OR COOLING COIL
	NATURAL GAS HEATING COIL
	ELECTRIC HEATING COIL
	DIRECT EXPANSION COOLING COIL
	FAN OR PUMP MOTOR
DP	DIFFERENTIAL PRESSURE SENSOR
AFM	AIR FLOW MONITORING
SD	SMOKE DETECTOR
T	DUCT MOUNTED TEMPERATURE SENSOR
T	WALL MOUNTED TEMPERATURE SENSOR
TCU	TERMINAL CONTROL UNIT
VFD	VARIABLE FREQUENCY DRIVE
AVA	ADJUSTABLE VALVE ACTUATION
DI	DDC DIGITAL INPUT POINT
DO	DDC DIGITAL OUTPUT POINT
AI	DDC ANALOG INPUT POINT
AO	DDC ANALOG OUTPUT POINT
OPB	OPEN PROTOCOL BUS
M	MOTOR
DA	DAMPER ACTUATOR
BRD	BAROMETRIC RELIEF DAMPER
CS	CURRENT SENSOR

AREA RESERVED FOR CITY OF DALLAS PERMIT STAMP

Kirksey ARCHITECTURE

Dallas + Houston + Austin

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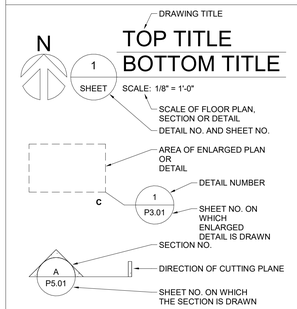
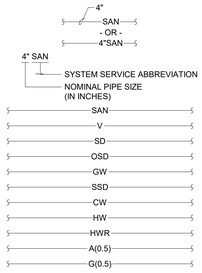
PLUMBING SYMBOL LEGEND

GRAPHIC SYMBOLS



PIPING DESIGNATIONS



MISCELLANEOUS SYMBOLS

XXX-1	EQUIPMENT DESIGNATION
	SINGLE LINE PIPE BREAK
	DOUBLE LINE PIPE BREAK
	STANDARD BREAK
1	KEYED NOTE
1	REVISION DELTA
	POINT OF DISCONNECTION
	POINT OF CONNECTION (NEW TO EXISTING)
	NEW ITEMS (PIPING/EQUIPMENT)
	EXISTING ITEMS TO REMAIN
	EXISTING ITEMS TO BE DEMOLISHED
	LIMIT OF EXISTING ITEMS TO BE REMOVED
	NEW CONNECTION TO EXISTING ITEM
(N)	NEW ITEM (NOTATION SHOWN AS NECESSARY FOR CLARIFICATION)
(E)	EXISTING ITEM TO REMAIN (NOTATION SHOWN AS NECESSARY FOR CLARIFICATION)
(F)	FUTURE ITEM (NOTATION SHOWN AS NECESSARY FOR CLARIFICATION)
(R)	EXISTING ITEM TO BE RELOCATED (NOTATION SHOWN AS NECESSARY FOR CLARIFICATION)
(D)	EXISTING ITEM TO BE DEMOLISHED (NOTATION SHOWN AS NECESSARY FOR CLARIFICATION)

PIPE & FITTING SYMBOLS

DOUBLE LINE	SINGLE LINE	DESCRIPTION
		PIPE
		DIRECTION OF FLOW / SLOPE
		PIPING WITH INSULATION (WHEN SHOWN FOR CLARITY)
		WELDED JOINT
		SCREWED JOINT
		FLANGED JOINT
		UNION
		GROOVED END JOINT
		GENERIC FLEXIBLE COUPLING (REFER TO SPECIFICATIONS)
		GROOVED END ADAPTER FLANGE
		FLANGED COUPLING ADAPTER
		STUB END OR FLANGE ADAPTER W/ FLANGE RING
		BLIND FLANGE
		ELBOW, 45 DEGREE (LONG RADIUS UON)
		ELBOW, 90 DEGREE (LONG RADIUS UON)
		ELBOW, 90 DEGREE - CHANGE IN DIRECTION TOWARD VIEWER
		ELBOW, 90 DEGREE - CHANGE IN DIRECTION AWAY FROM VIEWER
		TEE FITTING
		TEE FITTING, BRANCH TOWARD VIEWER
		TEE FITTING, BRANCH AWAY FROM VIEWER
		LATERAL
		REDUCER - CONCENTRIC
		REDUCER - ECCENTRIC
		CAP
		ANCHOR
CO	CO	CLEANOUT PLUG / WALL CLEANOUT
		VENTURI FLOW METER
		FLOW ORIFICE PLATE
		STRAINER - "Y" TYPE WITH BLOW DOWN
		THERMOWELL WITH THERMOMETER
		PRESSURE GAUGE WITH GAUGE COCK

NOTE:
WELDED FITTINGS ARE SHOWN FOR DOUBLE LINE PIPING.
FITTINGS WITH OTHER END CONDITIONS ARE SIMILAR.

PIPE & FITTING SYMBOLS

DOUBLE LINE	SINGLE LINE	DESCRIPTION
		AQUASTAT
		AUTOMATIC AIR VENT
		MANUAL AIR VENT
M	M	WATER METER
		PUMP, ARROW INDICATES FLOW

NOTE:
WELDED FITTINGS ARE SHOWN FOR DOUBLE LINE PIPING.
FITTINGS WITH OTHER END CONDITIONS ARE SIMILAR.

VALVE SYMBOLS

DOUBLE LINE	SINGLE LINE	DESCRIPTION
		GATE VALVE
		SHUT-OFF VALVE IN VALVE BOX
		BUTTERFLY VALVE
		BALL VALVE
		DIAPHRAGM VALVE
		GLOBE VALVE
		PLUG VALVE
		GAS COCK
		CHECK VALVE
		BACKFLOW PREVENTER
		BACKWATER VALVE
		PRESSURE REDUCING VALVE
		BALANCING VALVE
		ANGLE VALVE
		TEMPERATURE AND PRESSURE RELIEF VALVE
S	S	SOLENOID VALVE
M	M	MOTOR OPERATED VALVE
		GAS PRESSURE REGULATOR

NOTE:
WELDED FITTINGS ARE SHOWN FOR DOUBLE LINE PIPING.
FITTINGS WITH OTHER END CONDITIONS ARE SIMILAR.

EQUIPMENT SYMBOLS

G	FLOOR/HUB DRAIN	CO	P-TRAP
G	FLOOR SINK		HOSE BIBB / FROST-PROOF HOSE BIBB
	ROOF DRAIN / OVER-FLOW ROOF DRAIN		TRAP PRIMER
	FLOOR CLEANOUT		WATER HAMMER ARRESTOR
	CLEANOUT TO GRADE		

THIS IS A STANDARD LEGEND SHEET. SOME INFORMATION ON THIS SHEET MAY NOT NECESSARILY APPLY TO THIS PROJECT.

ABBREVIATIONS

A (0.5)	COMPRESSED AIR (WORKING PRESS.)	FCU	FAN COIL UNIT	PG	PRESSURE GAUGE
AAV	AUTOMATIC AIR VENT	FD	FLOOR DRAIN	PH	PHASE
ABV	ABOVE	°F	FAHRENHEIT [DEGREES]	PHC	PREHEAT COIL
AC	ALTERNATING CURRENT	FLA	FULL LOAD AMPS	PRV	PRESSURE REDUCING VALVE
A/C	AIR CONDITIONING	FLG	FLANGE	PPM	PARTS PER MILLION
ACU	AIR CONDITIONING UNIT	FMS	FACILITY MANAGEMENT SYSTEM	PLBG	PLUMBING
AD	ACCESS DOOR, AREA DRAIN	FOB	FLAT ON BOTTOM	PRESS	PRESSURE
AFF	ABOVE FINISHED FLOOR	FOT	FLAT ON TOP	PS	PRESSURE SWITCH
AHU	AIR HANDLING UNIT	FPI	FINS PER INCH	PSF	POUNDS PER SQUARE FOOT
AI	ANALOG INPUT	FPM	FEET PER MINUTE	PSI	POUNDS PER SQUARE INCH
ALT	ALTITUDE	FPS	FEET PER SECOND	PSIG	POUNDS PER SQUARE INCH GAUGE
AMB	AMBIENT	FRP	FIBERGLASS REINFORCED PLASTIC	PTAC	PACKAGED TERMINAL A/C
AMP	AMPERE	FT	FOOT, FEET		
AO	ANALOG OUTPUT	FT LB	FOOT-POUND	Q	TOTAL, TOTAL HEAT
AP	ACCESS PANEL			QT	QUART
APD	AIR PRESSURE DROP	G (0.5)	GAS (WORKING PRESSURE)	QTY	QUANTITY
APPROX	APPROXIMATE	GA	GAUGE, GAGE		
AS	AIR SEPARATOR	GAL	GALLON	R	RELIEF, THERMAL RESISTANCE
ASC	ABOVE SUSPENDED CEILING	GALV	GALVANIZED	RA	RETURN AIR
AHJ	AUTHORITY HAVING JURISDICTION	GEN	GENERATOR	RAC	ROOM AIR CONDITIONER
AVG	AVERAGE	GLV	GLOBE VALVE	RECT	RECTANGULAR
AWG	AMERICAN WIRE GAUGE	GPD	GALLONS PER DAY	REFR	REFRIGERATION
		GPH	GALLONS PER HOUR	RET	RETURN
B&S	BELL & SPIGOT	GPM	GALLONS PER MINUTE	RED	REDUCER
B/B	BACK TO BACK	GTV	GATE VALVE	REV	REVOLUTIONS
BAL	BALANCE	GW	GREASE WASTE	REF	REFERENCE
BBR	BASE BOARD RADIATOR			RH	RELATIVE HUMIDITY
BFC	BELOW FINISHED CEILING	HC	HEATING COIL	RHC	REHEAT COIL
BFG	BELOW FINISHED GRADE	HD	HEAD/HUB DRAIN	RHG	REFRIGERANT HOT GAS
BFV	BUTTERFLY VALVE	HG	HEAT GAIN	RHV	REHEAT VALVE
BFBP	BOILER FEED BOOSTER PUMP	HGT	HEIGHT	RL	REFRIGERANT LIQUID
BFW	BOILER FEED WATER	HP	HEAT PUMP, HORSEPOWER	RPM	REVOLUTIONS PER MINUTE
BLDG	BUILDING	HPC	HIGH PRESSURE CONDENSATE	RPS	REVOLUTIONS PER SECOND
BHP	BRAKE HORSEPOWER	HPS	HIGH PRESSURE STEAM (>100 PSI)	RS	REFRIGERANT SUCTION
BLR	BOILER	HR	HOUR	RTU	ROOF TOP UNIT
BLW	BELOW	HSTAT	HUMIDISTAT	RV	RELIEF VALVE
BO	BLOWOFF	HVAC	HEATING, VENTILATION AND A/C		
BOD	BOTTOM OF DUCT	HW	HOT WATER	S	SECOND
BOP	BOTTOM OF PIPE	HWB	HOT WATER BOILER	SA	SUPPLY AIR
BOS	BOTTOM OF STEEL	HWC	HOT WATER COIL	SAN	SANITARY
BTU	BRITISH THERMAL UNIT	HWCP	HOT WATER CIRCULATING PUMP	SC	SHADING COEFFICIENT
BTUH	BRITISH THERMAL UNIT PER HOUR	HWP	HOT WATER PUMP	SD	STORM DRAIN
BV	BALL VALVE	HWR	HOT WATER RETURN	SEER	SEASONAL EER
BYP	BYPASS	HWS	HOT WATER SUPPLY	SF	SQUARE FEET
		HWT	HOT WATER TANK	SG	SPECIFIC GRAVITY, STEAM GAUGE
°C	CELSIUS [DEGREES]	HZ	HERTZ (FREQUENCY)	SH	SENSIBLE HEAT
C/C	COOLING COIL			SHG	SENSIBLE HEAT GAIN
CAP	CAPACITY	I/O	INPUT/OUTPUT	SHGC	SOLAR HEAT GAIN COEFFICIENT
CD	CONDENSATE DRAIN	ID	INSIDE DIAMETER	SHR	SENSIBLE HEAT RATIO
CF	CHEMICAL FEED	IE	INVERT ELEVATION	SOLV	SOLENOID VALVE
CFM	CUBIC FEET PER MINUTE	IN WC	INCHES WATER COLUMN	SOV	SHUT OFF VALVE
CFS	CUBIC FEET PER SECOND	INV	INVERT	SP	STATIC PRESSURE, SUMP PUMP
CH	CHILLER	IP	IRON PIPE	SPEC	SPECIFICATION
CHW	CHILLED WATER	IPS	IRON PIPE SIZE, INCHES PER SECOND	SPS	STATIC PRESSURE SENSOR
CHWP	CHILLED WATER PUMP	IPT	IRON PIPE THREADED	SQ	SQUARE
CHWPP	CHILLED WATER PRIMARY PUMP	IR	INFRARED	SSD	SUB-SOIL DRAIN
CHWR	CHILLED WATER RETURN	IW	INDIRECT WASTE	SSP	STAINLESS STEEL PIPE
CHWS	CHILLED WATER SUPPLY			SST	STAINLESS STEEL
CHWSP	CHILLED WATER SECONDARY PUMP	K	KELVIN, THERMAL CONDUCTIVITY	STD	STANDARD
	CAST IRON	KIP	THOUSAND POUNDS	STM	STEAM
CIP	CAST IRON PIPE	KIP FT	THOUSAND FOOT-POUNDS	STR	STRAINER
CKT	CIRCUIT	KW	KILOWATT	STWP	STEAM WORKING PRESSURE
CKV	CHECK VALVE	KWh	KILOWATT HOUR	SUCT	SUCTION
CL	CENTER LINE (℄)			SUP	SUPPLY
CONN	CONNECTION	LAT	LEAVING AIR TEMPERATURE	SV	SAFETY VALVE
CPD	CONDENSATE PUMP DISCHARGE	LB	POUNDS		
CRAC	COMPUTER ROOM A/C UNIT	LDBT	LEAVING DRY BULB TEMPERATURE	T	TEMPERATURE SENSOR
CRP	CONDENSATE RETURN PUMP	LF	LINEAR FEET	T&P	TEMPERATURE AND PRESSURE
CT	COOLING TOWER	LG	LENGTH	TCV	TEMPERATURE CONTROL VALVE
CU	CONDENSING UNIT	LH	LATENT HEAT	TD	TEMPERATURE DIFFERENCE
CU FT	CUBIC FEET	LHG	LATENT HEAT GAIN	TEMP	TEMPERATURE
CU IN	CUBIC INCH	LP	LOW PRESSURE	TOP	TOP OF PIPE
CUH	CABINET UNIT HEATER	LPC	LOW PRESSURE CONDENSATE	TRANS	TRANSFER
Cv	COEFFICIENT - VALVE FLOW	LPS	LOW PRESSURE STEAM (<15 PSI)	TSTAT	THERMOSTAT
CW	COLD WATER (POTABLE)	LRA	LOCKED ROTOR AMPS		
CWR	COLD WATER RETURN (POTABLE)	LT	LEAVING TEMPERATURE	U	HEAT TRANSFER COEFFICIENT
		LTHW	LOW TEMPERATURE HOT WATER	U/G	UNDERGROUND
D	DRAIN	LWBT	LEAVING WET BULB TEMPERATURE	UH	UNIT HEATER
DB	DRY BULB	LWT	LEAVING WATER TEMPERATURE	UON	UNLESS OTHERWISE NOTED
DBT	DRY BULB TEMPERATURE				
dB	DECIBEL	mA	MILLIAMPERES	V	VENT/VOLTS
DC	DIRECT CURRENT	MAX	MAXIMUM	VAC	VOLTS ALTERNATING CURRENT
DCW	DOMESTIC COLD WATER	MCA	MINIMUM CIRCUIT AMPACITY	VAR	VARIABLE
DDC	DIRECT DIGITAL CONTROL	MCC	MOTOR CONTROL CENTER	VAV	VARIABLE AIR VOLUME
DEG	DEGREES [CELSIUS OR FAHRENHEIT]	MIN	MINIMUM	VDC	VOLTS DIRECT CURRENT
DENS	DENSITY	MOCP	MAXIMUM OVERCURRENT PROTECTION	VEL	VELOCITY
DEWPT	DEW POINT TEMPERATURE	MOV	MOTOR OPERATED VALVE	VENT	VENT, VENTILATION
DIA	DIAMETER	MP	MEDIUM PRESSURE	VERT	VERTICAL
DIP	DUCTILE IRON PIPE	MPC	MEDIUM PRESSURE CONDENSATE	VFD	VARIABLE FREQUENCY DRIVE
DOV	DRAIN OFF VALVE	MPS	MEDIUM PRESSURE STEAM (16-99 PSI)	VP	VELOCITY PRESSURE
DPS	DIFFERENTIAL PRESSURE SENSOR	MPT	MALE PIPE THREAD	VRF	VARIABLE REFRIGERANT FLOW
DPT	DIFFERENTIAL PRESSURE TRANSMITTER	MU	MAKE-UP WATER	VSD	VARIABLE SPEED DRIVE
DS	DISCONNECT SWITCH	MVD	MANUAL VOLUME DAMPER		
DWV	DRAIN, WASTE & VENT			W	WATT
		NA	NOT APPLICABLE	WB	WET BULB
EA	EXHAUST AIR	NC	NOISE CRITERIA, NORMALLY CLOSED	WBT	WET BULB TEMPERATURE
E/P	ELECTRIC PNEUMATIC	NIC	NOT IN CONTRACT	WC	WATER COLUMN
EAT	ENTERING AIR TEMPERATURE	NO	NORMALLY OPEN, NUMBER	WG	WATER GAGE
ECON	ECONOMIZER	NPS	NOMINAL PIPE SIZE	WH	WATER HEATER
ECU	EVAPORATIVE COOLING UNIT	NR	NOISE REDUCTION	WL	WATER LINE
EDBT	ENTERING DRY BULB TEMPERATURE	NRC	NOISE REDUCTION COEFFICIENT	WLD	WELDED
EDH	ELECTRIC DUCT HEATER	NTS	NOT TO SCALE	WM	WATER METER
EER	ENERGY EFFICIENCY RATIO			WNF	WELD NECK FLANGE
EF	EXHUAST FAN	OA	OUTSIDE AIR	WP	WATER PUMP
EFF	EFFICIENCY	OAF	OUTSIDE AIR FAN	WPD	WATER PRESSURE DROP
EL	ELEVATION	OAI	OUTSIDE AIR INTAKE	WPR	WORKING PRESSURE DROP
ENT	ENTERING	OD	OUTSIDE DIAMETER	WSHP	WATER SOURCE HEAT PUMP
EOV	ELECTRONICALLY OPERATED VALVE	OSD	OVERFLOW STORM DRAIN	WSP	WORKING STEAM PRESSURE
ESP	EXTERNAL STATIC PRESSURE	OZ	OUNCE	WT	WEIGHT
ET	EXPANSION TANK				
EUH	ELECTRIC UNIT HEATER	P	PUMP	YD	YARD, YARD DRAIN
EVAP	EVAPORATOR	P/E	PNEUMATIC ELECTRIC	YR	YEAR
EWBT	ENTERING WET BULB TEMPERATURE	%	PERCENT		
EWT	ENTERING WATER TEMPERATURE	PC	PUMPED CONDENSATE	Z	ZONE
EXCH	EXCHANGER	PCC	PRECOOL COIL		
EXH	EXHAUST	PD	PRESSURE DROP		
EXP	EXPANSION	POS	POSITIVE		
		PR	PUMPED RETURN		

PLUMBING GENERAL NOTES

1. THE PLUMBING CONTRACTOR SHALL VISIT AND CAREFULLY EXAMINE THOSE PORTIONS OF THE BUILDING AND SITE AFFECTING THE WORK BEFORE SUBMITTING PROPOSALS, SO AS TO BECOME FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT PRICING AND EXECUTION OF THE WORK. SUBMISSION OF A PROPOSAL WILL BE CONSTRUED AS EVIDENCE THAT SUCH EXAMINATION HAS BEEN MADE AND LATER CLAIMS FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED. UTILITIES AND SERVICES INDICATED ARE TAKEN FROM VARIOUS SURVEYS, AS-BUILT DRAWINGS AND FIELD INVESTIGATIONS. IT IS TO BE UNDERSTOOD THAT UNFORSEEN CONDITIONS PROBABLY EXIST AND NEW WORK MAY NOT BE FIELD LOCATED EXACTLY AS SHOWN ON THE DRAWINGS. COOPERATION WITH OTHER TRADES AND EXISTING CONDITIONS IN ROUTING, AS DIRECTED BY THE OWNER AND ARCHITECT/ENGINEER, MAY BE NECESSARY AND IT IS INTEDED THAT SUCH DEVIATIONS SHALL BE CONSIDERED AS PART OF THIS CONTRACT. IT IS ALSO UNDERSTOOD THAT THE PLANS ARE NOT COMPLETELY TO SCALE. THIS CONTRACTOR IS TO FIELD VERIFY DIMENSIONS OF ALL SITE UTILITIES, ETC., PRIOR TO BID, AND INCLUDE ANY DEVIATIONS IN THE PROPOSAL.
2. PROVIDE ISOLATION VALVES IN ALL BRANCH PIPING AND AT EQUIPMENT CONNECTIONS.
3. PROVIDE ALL PLUMBING FIXTURES WITH ACCESSIBLE STOPS.
4. PROVIDE ISOLATION VALVES IN THE HOT AND COLD WATER PIPING TO EACH GROUP OF PLUMBING FIXTURES.
5. PIPING CONNECTIONS TO ALL EQUIPMENT SHALL BE FABRICATED WITH THE ISOLATION VALVES, FLANGES AND/OR UNIONS POSITIONED TO ALLOW REMOVAL AND SERVICE OF THE COMPONENT PARTS.
6. ROUTE PIPING IN AN ORDERLY MANNER AND MAINTAIN PROPER GRADES. INSTALL TO CONSERVE HEADROOM AND TO CREATE MINIMUM INTERFERENCE WITH USE OF SPACE. ROUTE ALL PIPING PARALLEL TO BUILDING LINES UON. GROUP PIPING AT COMMON BOP ELEVATIONS WHENEVER PRACTICAL. PIPES LOCATED IN CONCEALED SPACES SHALL BE ROUTED CLOSE TO BUILDING STRUCTURE UON.
7. INSTALL PIPING TO ALLOW FOR EXPANSION AND CONTRACTION WITHOUT STRESSING PIPE OR EQUIPMENT CONNECTED.
8. INSTALL VALVES WITH STEMS UPRIGHT OR HORIZONTAL, NOT INVERTED.
9. INSTALL VALVES AND EQUIPMENT IN ACCESSIBLE LOCATIONS. INSTALL ACCESS DOORS IN PARTITIONS OR CEILINGS WHERE VALVES AND EQUIPMENT WOULD OTHERWISE BE INACCESSIBLE.
10. WHEN SOCKET WELD OR SOLDER END VALVES ARE INSTALLED, SPECIAL CARE SHALL BE TAKEN TO AVOID OVERHEATING AND DAMAGING THE VALVE BODY, TRIM OR PACKING. DAMAGED VALVES SHALL BE REPLACED AT CONTRACTOR'S EXPENSE.
11. IDENTIFY EACH PIPE WITH LABELING AS REQUIRED BY SPECIFICATIONS.
12. SLEEVE ALL PIPING THAT PENETRATES FIRE RATED WALLS, FLOORS AND PARTITIONS. PENETRATIONS SHALL BE SEALED WITH A U.L. LISTED ASSEMBLY TO PROVIDE A RATING EQUAL TO OR GREATER THAN THAT OF THE PENETRATED WALL, FLOOR OR PARTITION.
13. SLEEVE ALL PIPING THAT PENETRATES EXTERIOR BUILDING WALLS AND GRADE BEAMS. SEAL PENETRATIONS WATERTIGHT.
14. COORDINATE WITH OTHER TRADES BEFORE FABRICATION OR INSTALLATION OF ANY SYSTEMS.
15. EXISTING PIPING AND EQUIPMENT SHOWN ON THESE DRAWINGS INDICATES THE GENERAL LOCATION AND ROUTING. THE ACTUAL LOCATION SHALL BE DETERMINED BY THE CONTRACTOR WHO SHALL COORDINATE ALL WORK WITH ALL TRADES NECESSARY TO INSTALL NEW PIPING OR EQUIPMENT AS SHOWN ON THE DRAWING.
16. THESE DRAWINGS DO NOT NECESSARILY SHOW ALL OFFSETS OR ELEVATION DIFFERENCES WHICH MAY BE NECESSARY FOR THE COMPLETE INSTALLATION. THESE SHALL BE PROVIDED AS REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONAL SYSTEM AT NO ADDITIONAL COST TO THE CONTRACT.
17. COORDINATE ALL REMODEL WORK WITH NEW CONSTRUCTION AND OTHER TRADES.
18. NOTIFY AND COORDINATE WITH THE OWNER AT LEAST SEVEN DAYS PRIOR TO SHUTDOWN OF ANY BUILDING SERVICES OR EQUIPMENT. SHUTDOWN TIME SHALL BE KEPT TO A MINIMUM.
19. ANY ITEMS DAMAGED DURING DEMOLITION SHALL BE REPLACED WITH NEW MATERIALS TO MATCH EXISTING.
20. CONTRACTOR SHALL PROVIDE TEMPORARY ELECTRICAL SERVICE, PIPING OR OTHER BUILDING SERVICES AS REQUIRED TO KEEP OTHER AREAS IN OPERATION DURING REMODELING. NOTIFY OWNER PRIOR TO SHUT-DOWN FOR ANY TEMPORARY SERVICE REQUIREMENTS. ALL TEMPORARY WORK SHALL BE COMPLETELY REMOVED ONLY AFTER NEW SERVICES ARE COMPLETELY INSTALLED AND FUNCTIONAL.
21. ABANDONED PIPING SHALL BE REMOVED WHERE INDICATED ON THE DRAWINGS. PIPING REMAINING IN PLACE SHALL BE CAPPED, SEALED AIR TIGHT AT POINT(S) OF DEMOLITION, AND INSULATED TO MATCH EXISTING.
22. NEW HOLES THROUGH EXISTING FLOORS SHALL BE CORE DRILLED. ALL CORES SHALL BE X-RAYED PRIOR TO CORING.
23. THE OWNER SHALL HAVE THE OPTION TO DESIGNATE ANY MATERIALS REMOVED OR DEMOLISHED DURING THIS WORK AS "RECYCLABLE" AND SHALL HAVE FINAL DISPOSITION OVER THE DISPOSAL OF THESE MATERIALS. ALL MATERIALS REMOVED/DEMOLISHED BY THE CONTRACTOR FOR THIS JOB AND NOT RETAINED BY THE OWNER FOR RECYCLING OR OTHER PURPOSES SHALL BE DISPOSED OFF-SITE BY THE CONTRACTOR.
24. THE OWNER SHALL HAVE FIRST RIGHT OF REFUSAL OF ANY EQUIPMENT DESIGNATED FOR REMOVAL. THE OWNER SHALL PROVIDE A LIST OF ITEMS THEY REQUIRE TO BE SALVAGED PRIOR TO THE START OF DEMOLITION. THE CONTRACTOR SHALL REMOVE THESE ITEMS USING REASONABLE CARE TO MINIMIZE DAMAGE.
25. ANY AND ALL WATER CONNECTIONS MADE FOR THE PURPOSE OF CLEANING TOOLS OR THE WORK AREA OR FOR ANY OTHER CONSTRUCTION-RELATED PURPOSES SHALL BE MADE ONLY TO DOMESTIC WATER HOSE BIBBS OR TO CONTRACTOR-SUPPLIED WATER SOURCES. APPROVED BACKFLOW PREVENTION DEVICES SHALL BE USED AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION. CONNECTIONS SHALL NOT BE MADE TO FIRE WATER, CHILLED WATER, CONDENSER WATER, HEATING HOT WATER, DOMESTIC HOT WATER OR ANY OTHER TREATED WATER SOURCE UNLESS REQUIRED AS PART OF WORK ON THESE SYSTEMS.
26. EXCEPT WHERE REQUIRED AT EQUIPMENT NOZZLES, FLANGES SHALL BE RAISED FACE WELD-NECK.
27. INSTALL DIELECTRIC FITTINGS AT ALL FERROUS PIPE CONNECTIONS TO NON-FERROUS METALLIC PIPE OR EQUIPMENT.
28. PROVIDE CHROME PLATED, OR ARCHITECT APPROVED COLOR, ESCUTCHEON PLATES WHERE PIPES EXPOSED TO VIEW PENETRATE FINISHED WALLS, FLOORS AND CEILINGS. SPLIT-RING ESCUTCHEON PLATES SHALL NOT BE USED UON.
29. PROVIDE CAPPED DRAIN VALVES AT LOW POINTS OF PIPING SYSTEMS AND AT EQUIPMENT CONNECTIONS. PROVIDE HOSE BIBB CONNECTIONS WITH CAPS AT DRAIN VALVES WHICH DO NOT DISCHARGE DIRECTLY OVER OR ARE NOT PIPED DIRECTLY TO AN APPROPRIATE DRAIN.
30. PIPING OR EQUIPMENT CONNECTIONS OPENED BY DEMOLITION OR RENOVATION SHALL BE TEMPORARILY SEALED TO KEEP OUT FOREIGN MATTER UNTIL SUCH TIME AS RECONNECTIONS ARE MADE.
31. ALL PIPING SHALL BE SLOPED PER THE PLUMBING CODE AND THE AUTHORITY HAVING JURISDICTION.
32. CONTRACTOR SHALL VERIFY INVERT ELEVATIONS OF EXISTING SANITARY PIPING TO WHICH NEW SEWER DRAINS ARE TO BE CONNECTED BEFORE INSTALLATION OF NEW SEWER LINE.
33. PROVIDE CLEANOUTS IN ACCORDANCE WITH THE PLUMBING CODE, NO MORE THAN 100 FT. APART, AT CHANGES IN DIRECTION GREATER THAN 45 DEGREES, AND AT THE BASE OF STORM, SOIL AND WASTE STACKS.
34. REFER TO ARCHITECTURAL DRAWINGS FOR PLUMBING FIXTURE EXACT LOCATIONS, MOUNTING HEIGHTS AND DIMENSIONS.
35. ALL ADA COMPLIANT FIXTURES SHALL BE MOUNTED IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA).
36. INSTALL WATER HAMMER SHOCK ARRESTORS AT EACH BATTERY OF FIXTURES AND AS INDICATED ON RISER DIAGRAMS/ISOMETRICS. ARRESTORS SHALL BE FACTORY-FABRICATED. INSTALL ARRESTORS AND SIZE PER PLUMBING AND DRAINAGE INSTITUTE STANDARD P.D.I. WH-201. PROVIDE ACCESS PANELS FOR SERVICE AND MAINTENANCE.
37. DRAIN, WASTE, AND VENT PIPING LOCATED IN FIRE RATED WALL ASSEMBLIES AND RETURN AIR PLENUMS SHALL BE SERVICE WEIGHT CAST IRON WITH NO HUB FITTINGS.
38. UPON COMPLETION OF THE DOMESTIC WATER PIPING INSTALLATION, THE ENTIRE BUILDING'S HOT WATER RECIRCULATION SYSTEM SHALL BE CALIBRATED AND BALANCED TO PROVIDE SATISFACTORY OPERATION UNDER MINIMUM AND MAXIMUM EXPECTED FLOW CONDITIONS.

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PROJECT NAME
Org 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS
6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE
PLUMBING SYMBOL LEGEND AND GENERAL NOTES

SHEET NUMBER
P0.01

CAMPOS ENGINEERING
1331 River Bend Drive
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(214) 696-6291
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Registration No: F-001731
Project Number: D24-3447.00

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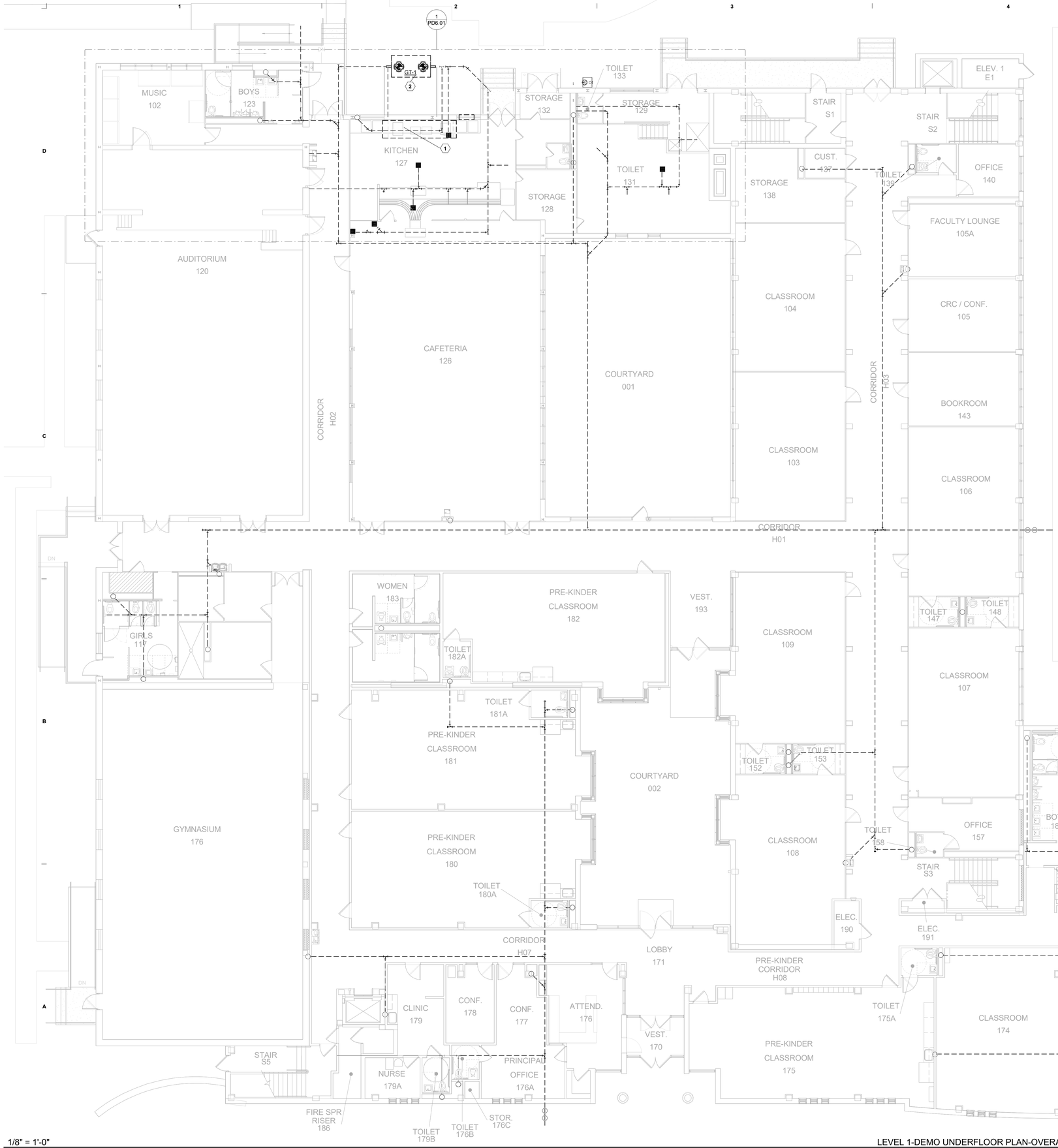

1/8" = 1'-0"

LEVEL 1-DEMO UNDERFLOOR PLAN-OVERALL | 1

PLUMBING DEMOLITION SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

KEYNOTES

1	ALL GREASE WASTE IN KITCHEN AREA TO BE DEMOLISHED AND REPLACED IN PLACE.
2	DEMOLISH GREASE TRAP.

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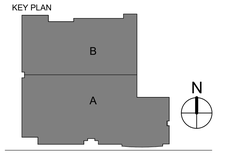

SHEET TITLE

DEMOLITION UNDERFLOOR - LEVEL 1 OVERALL PLAN

SHEET NUMBER

PD3.01

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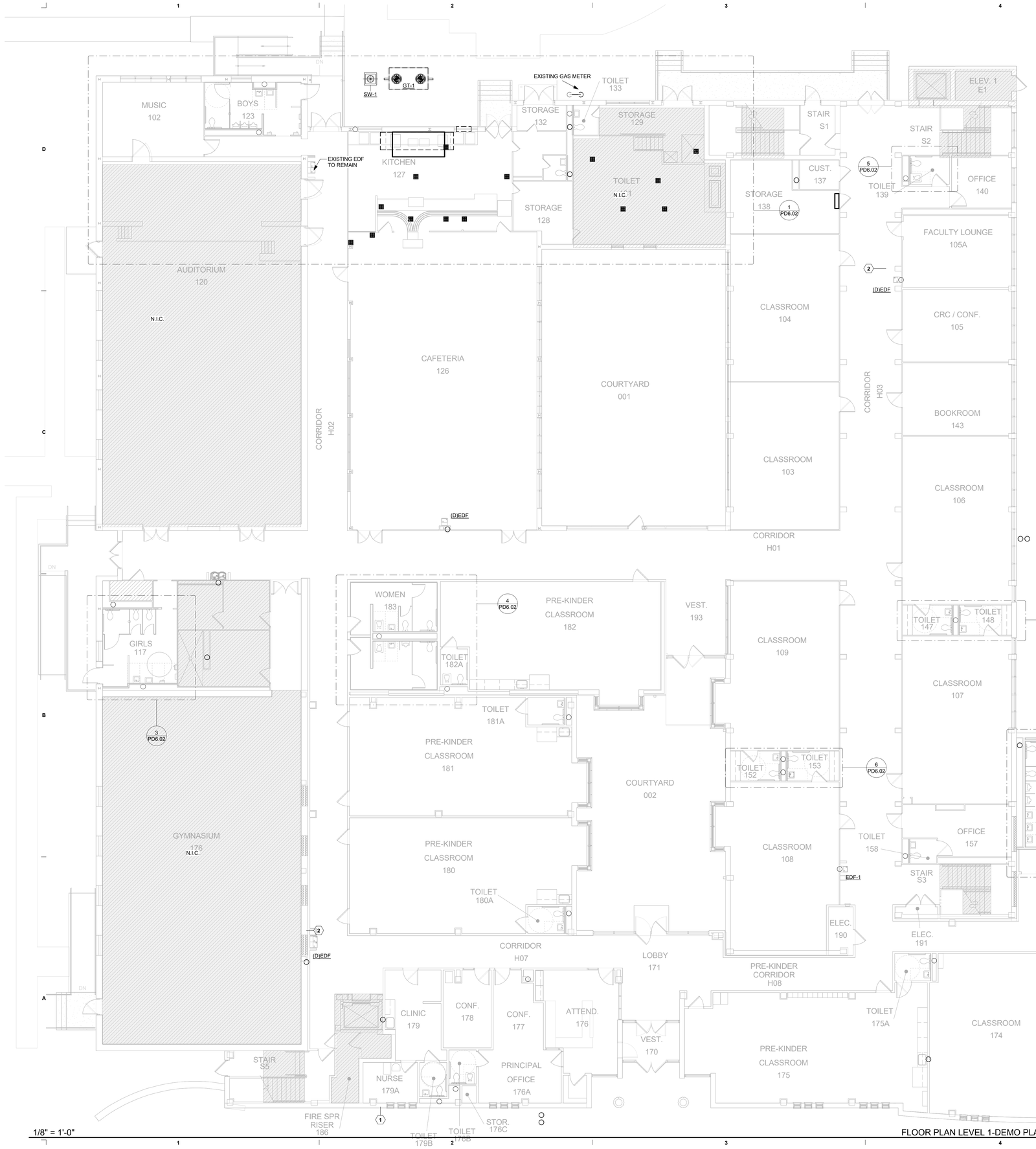

1/8" = 1'-0"

FLOOR PLAN LEVEL 1-DEMO PLAN-OVERALL 1

PLUMBING DEMOLITION SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

KEYNOTES

1	DEMOLISH EXISTING HOSE BIBB/WALL HYDRANT. PREP PIPING FOR NEW HOSE BIBB/NON FREEZE WALL HYDRANT.
2	DEMOLISH EXISTING DRINKING FOUNTAINS AND CARRIER. PREP PIPING FOR INSTALLATION OF NEW FIXTURES. ON OPEN ENDED PIPING PROVIDE CAPS AFTER DEMOLISHION.

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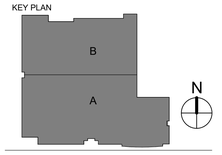

SHEET TITLE

DEMOLITION LEVEL 1 OVERALL PLAN

SHEET NUMBER

PD3.02

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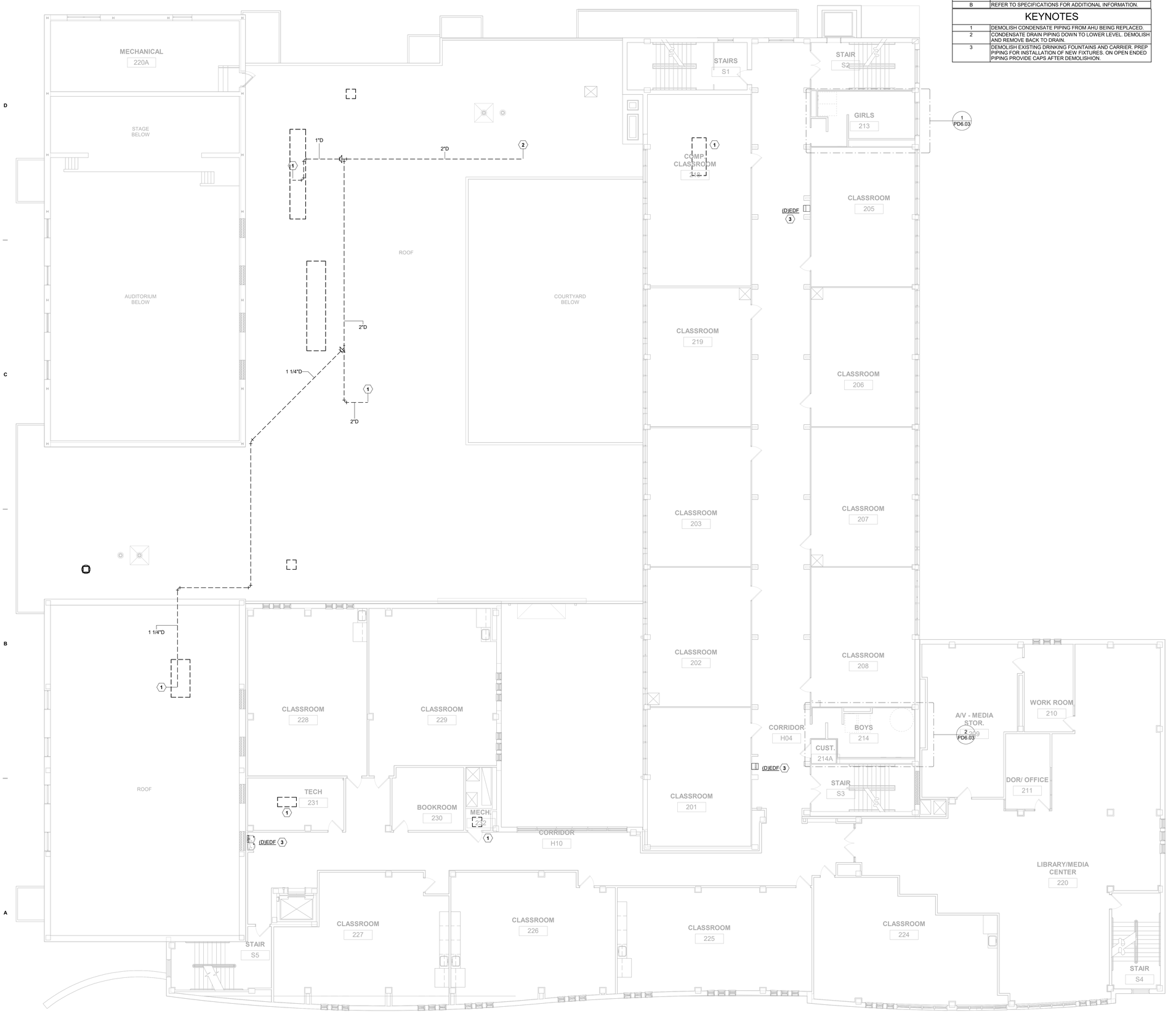

PLUMBING DEMOLITION SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

KEYNOTES

1	DEMOLISH CONDENSATE PIPING FROM AHU BEING REPLACED.
2	CONDENSATE DRAIN PIPING DOWN TO LOWER LEVEL. DEMOLISH AND REMOVE BACK TO DRAIN.
3	DEMOLISH EXISTING DRINKING FOUNTAINS AND CARRIER. PREP PIPING FOR INSTALLATION OF NEW FIXTURES. ON OPEN ENDED PIPING PROVIDE CAPS AFTER DEMOLISHION.

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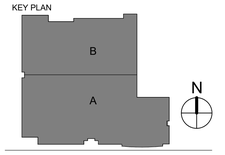

SHEET TITLE

DEMOLITION LEVEL 2 OVERALL PLAN

SHEET NUMBER

PD3.03

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1/8" = 1'-0"

FLOOR PLAN LEVEL 2-DEMO PLAN-OVERALL | 1

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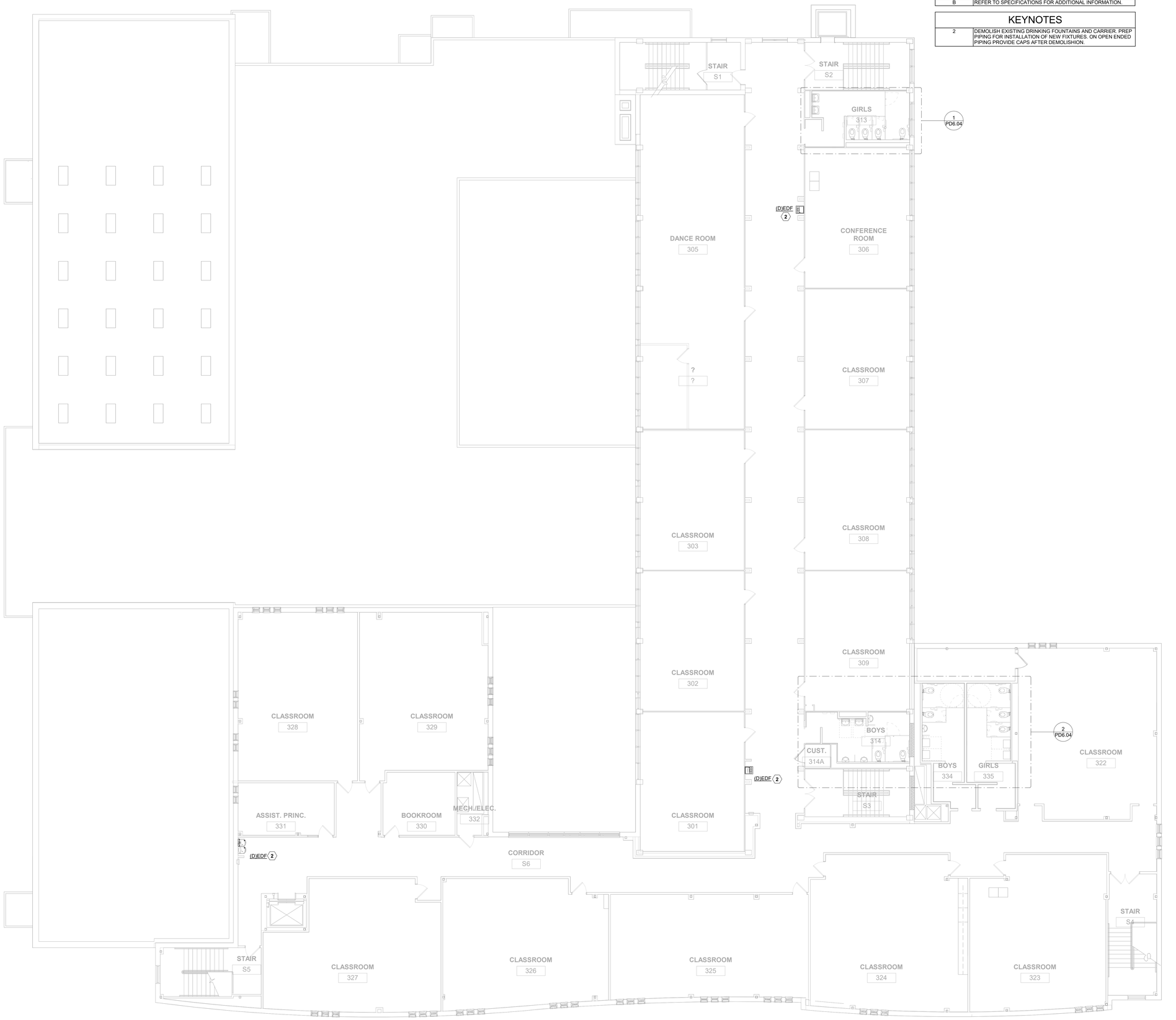

1/8" = 1'-0"

FLOOR PLAN LEVEL 3-DEMO PLAN-OVERALL | 1

PLUMBING DEMOLITION SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

KEYNOTES

2	DEMOLISH EXISTING DRINKING FOUNTAINS AND CARRIER. PREP PIPING FOR INSTALLATION OF NEW FIXTURES. ON OPEN ENDED PIPING PROVIDE CAPS AFTER DEMOLISHION.

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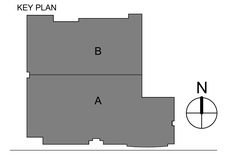

SHEET TITLE

DEMOLITION LEVEL 3 OVERALL PLAN

SHEET NUMBER

PD3.04

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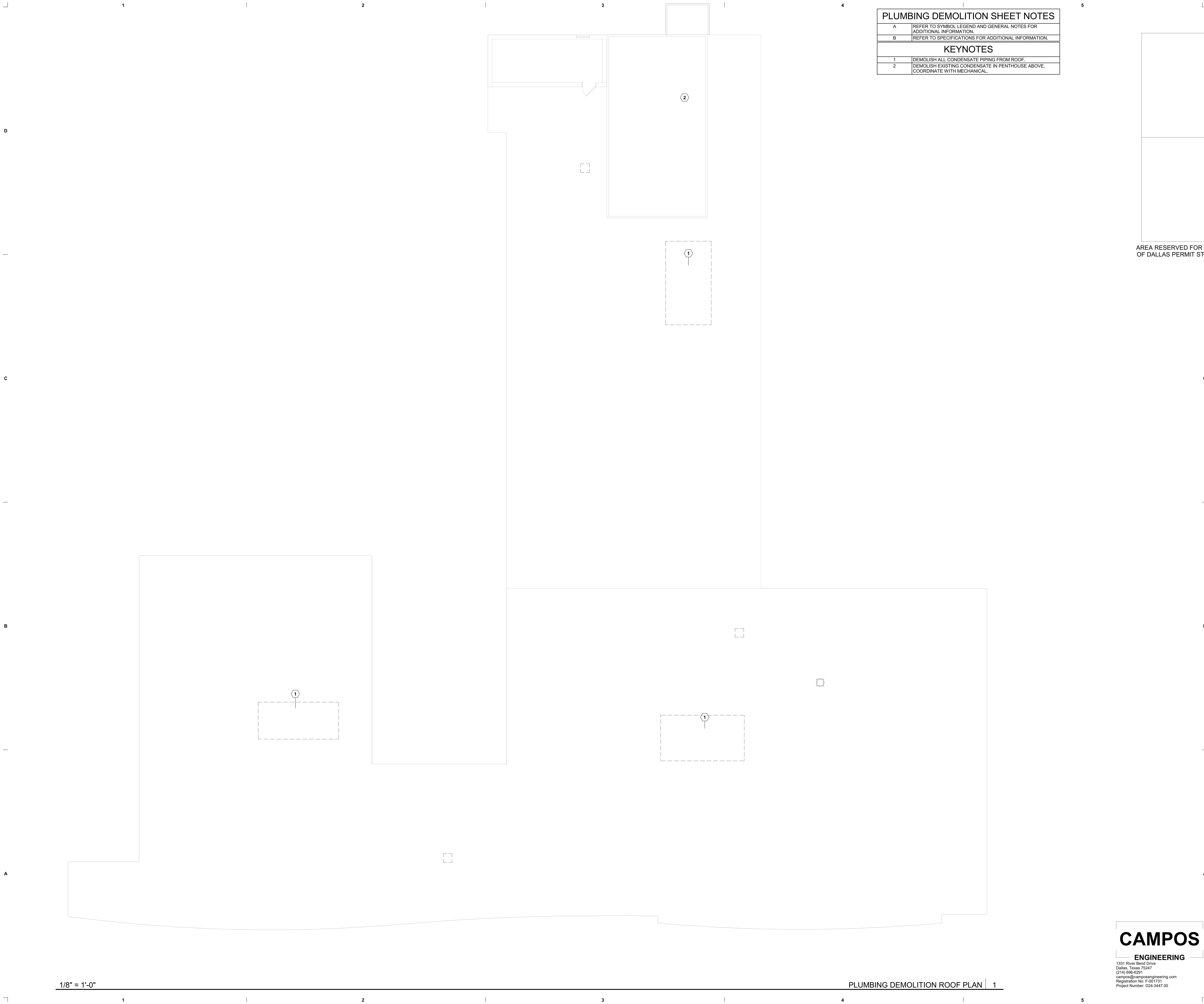
PLUMBING DEMOLITION SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

KEYNOTES

1	DEMOLISH ALL CONDENSATE PIPING FROM ROOF.
2	DEMOLISH EXISTING CONDENSATE IN PENTHOUSE ABOVE. COORDINATE WITH MECHANICAL.



1/8" = 1'-0"

PLUMBING DEMOLITION ROOF PLAN 1

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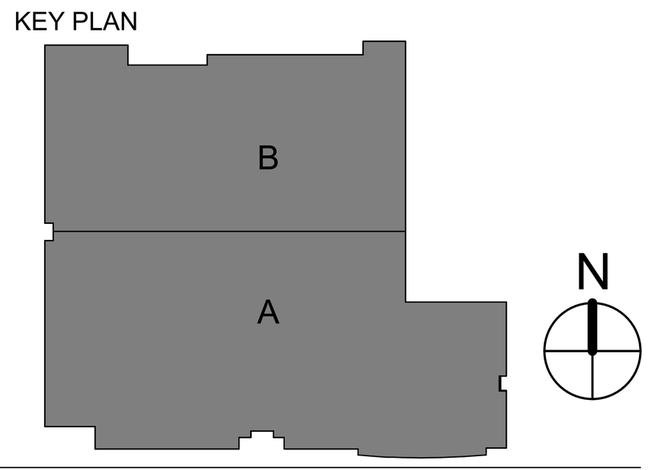

SHEET TITLE

DEMOLITION ROOF PLAN

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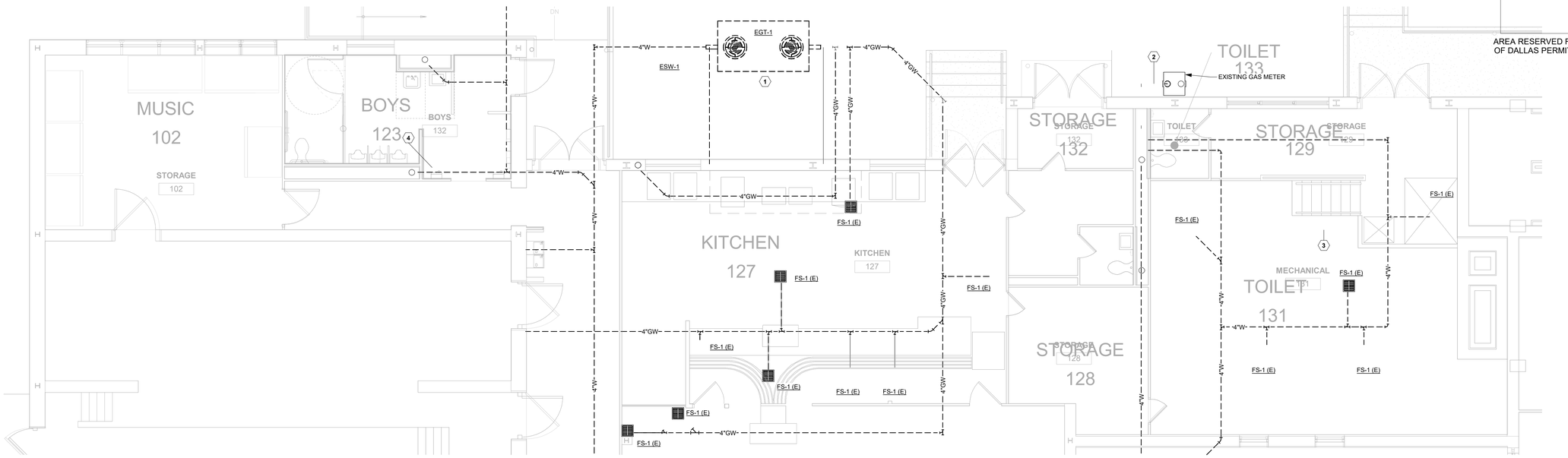
PLUMBING DEMOLITION SHEET NOTES	
A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
KEYNOTES	
1	APPROXIMATE LOCATION OF EXISTING GREASE TRAP TO BE DEMOLISHED AND REPLACED. DISCONNECT VENT PIPING FROM TRAP FOR RECONNECTION TO NEW TRAP.
2	DEMOLISH ALL EXISTING GAS PIPING IN KITCHEN AREA BACK TO METER.
3	4" COPPER PIPE UP TO BACKFLOW PREVENTER ON LEVEL ABOVE. PIPING TO BE REPLACED FROM BACKFLOW PREVENTER TO 5' OUTSIDE BLDG.
4	DEMOLISH SANITARY WASTE AND VENT PIPING, FIXTURE CARRIERS, FLUSH VALVES AND FIXTURES. PREP FOR INSTALLATION OF NEW PIPING, CARRIERS AND FIXTURES.



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1/4" = 1'-0"

LEVEL 1-DEMO UNDERFLOOR PLAN-KITCHEN-MECH RM | 1

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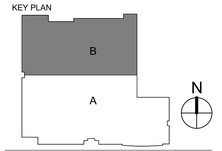

SHEET TITLE

LEVEL 1 UNDERFLOOR DEMO PLUMBING PLANS ENLARGED

SHEET NUMBER

PD6.01

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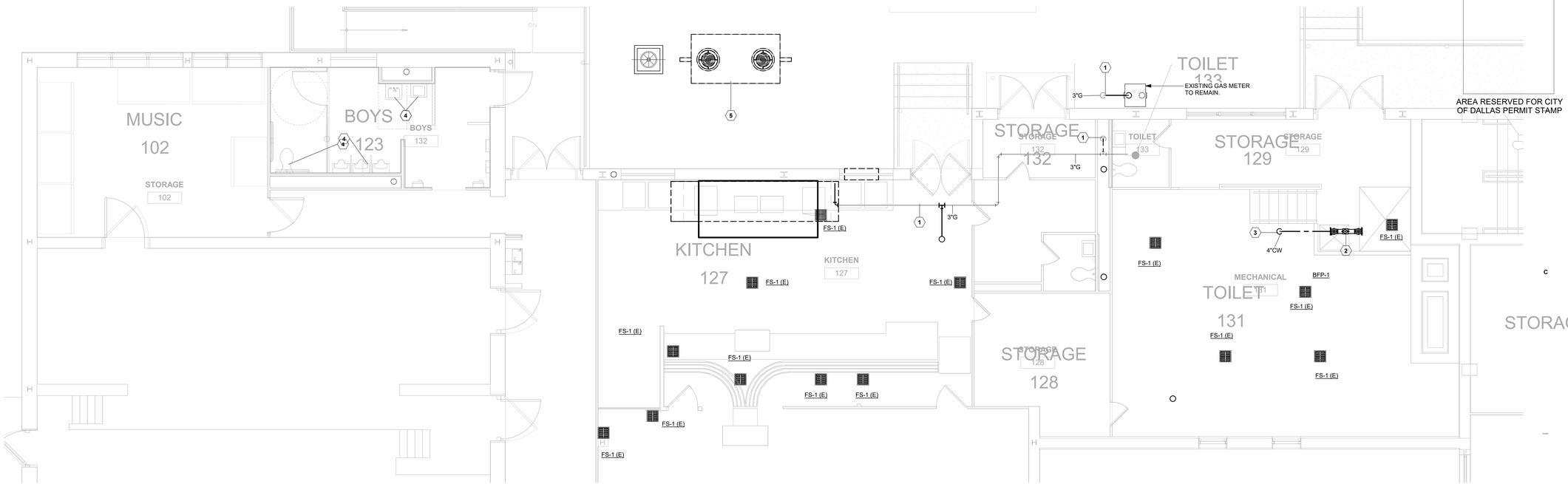
PLUMBING DEMOLITION SHEET NOTES	
A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
KEYNOTES	
	ADD ALTERNATE #4: DEMOLISH SANITARY WASTE AND VENT PIPING, FIXTURE CARRIERS, FLUSH VALVES AND FIXTURES. PREP FOR REINSTALLATION OF NEW PIPING AND CARRIERS.
1	DEMOLISH EXISTING GAS PIPING FROM KITCHEN BACK TO GAS METER IN THIS VICINITY. PREP METER FOR NEW PIPING.
2	APPROXIMATE LOCATION OF DOUBLE CHECK VALVE TO BE DEMOLISHED AND REPLACED. ALL PIPING TO BE REPLACED FROM BACKFLOW TO 5' OUTSIDE BUILDING.
3	4" DOMESTIC COLD WATER UP FROM CRAWLSPACE TO BACKFLOW PREVENTER. DEMO COLD WATER MAIN FROM BACKFLOW BACK TO 5' OUTSIDE BUILDING.
4	ADD ALTERNATE #4: DEMOLISH SANITARY WASTE AND VENT PIPING, FIXTURE CARRIERS, FLUSH VALVES AND FIXTURES. PREP FOR REINSTALLATION OF NEW PIPING AND CARRIERS.
5	APPROXIMATE LOCATION OF EXISTING GREASE TRAP TO BE DEMOLISHED AND REPLACED. DISCONNECT VENT PIPING FROM TRAP FOR RECONNECTION TO NEW TRAP.



1/4" = 1'-0" LEVEL 1-DEMO PLAN-KITCHEN-MECH. RM | 1

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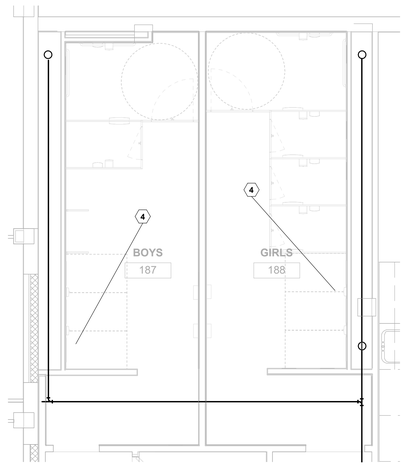
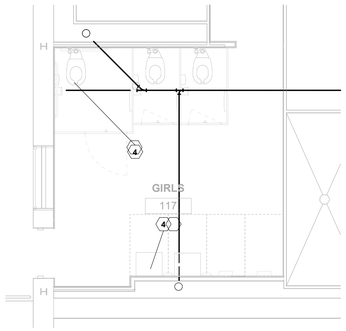


1/4" = 1'-0" LEVEL 1-DEMO PLAN-SOUTH RR'S | 2



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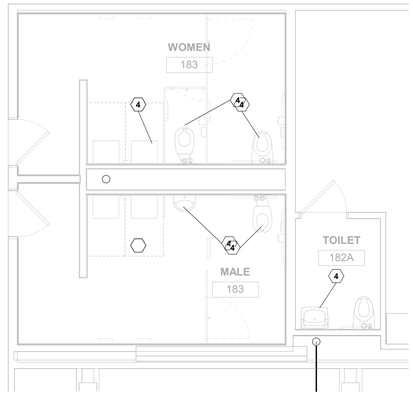
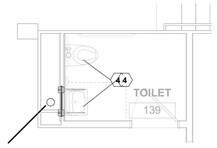
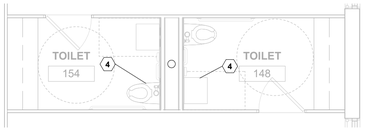


1/4" = 1'-0" LEVEL 1-DEMO PLAN-CENTRAL RR'S | 4



1/4" = 1'-0" LEVEL 1-DEMO PLAN-SINGLE RR | 5



1/4" = 1'-0" LEVEL 1-DEMO PLAN-B2B RR'S TYP. | 6

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PROJECT NAME

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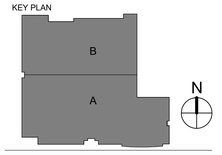

SHEET TITLE

LEVEL 1 DEMO PLUMBING PLANS ENLARGED

SHEET NUMBER

PD6.02

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PLUMBING DEMOLITION SHEET NOTES	
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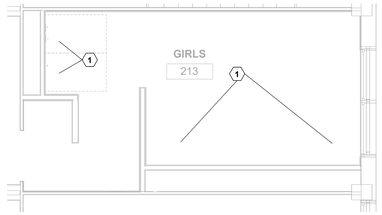
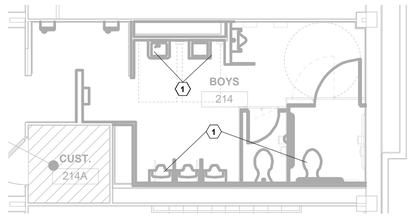
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
KEYNOTES	
1	ADD ALTERNATE #4: DEMOLISH SANITARY WASTE AND VENT PIPING, FIXTURE CARRIERS, FLUSH VALVES AND FIXTURES. PREP FOR REINSTALLATION OF NEW PIPING AND CARRIERS.



1/4" = 1'-0" LEVEL 2-DEMO PLAN-ENLARGED NORTH RR'S | 1



1/4" = 1'-0" LEVEL 2-DEMO PLAN-ENLARGED SOUTH RR'S | 2

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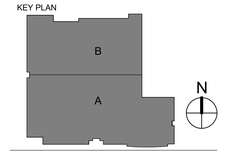
KIRKSEY PROJECT NO. 2023351

KEY PLAN



SHEET TITLE
LEVEL 2 DEMO PLUMBING PLANS ENLARGED

SHEET NUMBER
PD6.03

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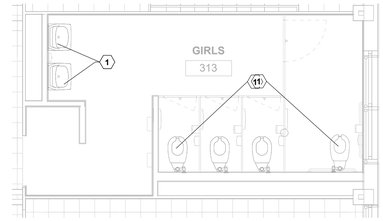
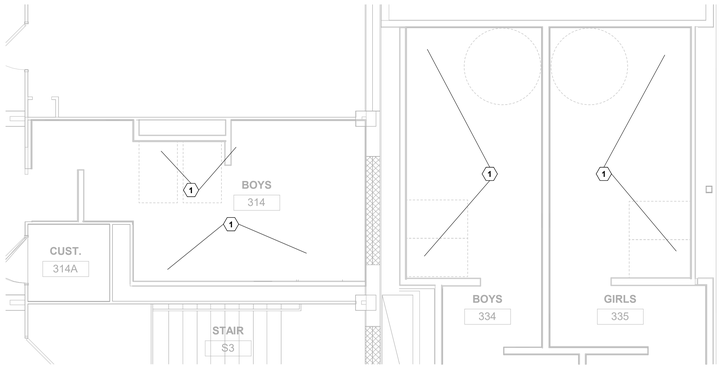
PLUMBING DEMOLITION SHEET NOTES	
A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
KEYNOTES	
1	ADD ALTERNATE #4: DEMOLISH SANITARY WASTE AND VENT PIPING, FIXTURE CARRIERS, FLUSH VALVES AND FIXTURES. PREP FOR REINSTALLATION OF NEW PIPING AND CARRIERS.



1/4" = 1'-0" LEVEL 3-DEMO PLAN-NORTH RR'S | 1



1/4" = 1'-0" LEVEL 3-DEMO PLAN-ENLARGED- SOUTH RR'S | 2

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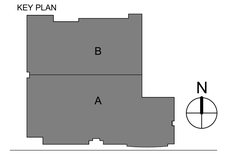

SHEET TITLE

LEVEL 3 DEMO PLUMBING PLANS ENLARGED

SHEET NUMBER

PD6.04

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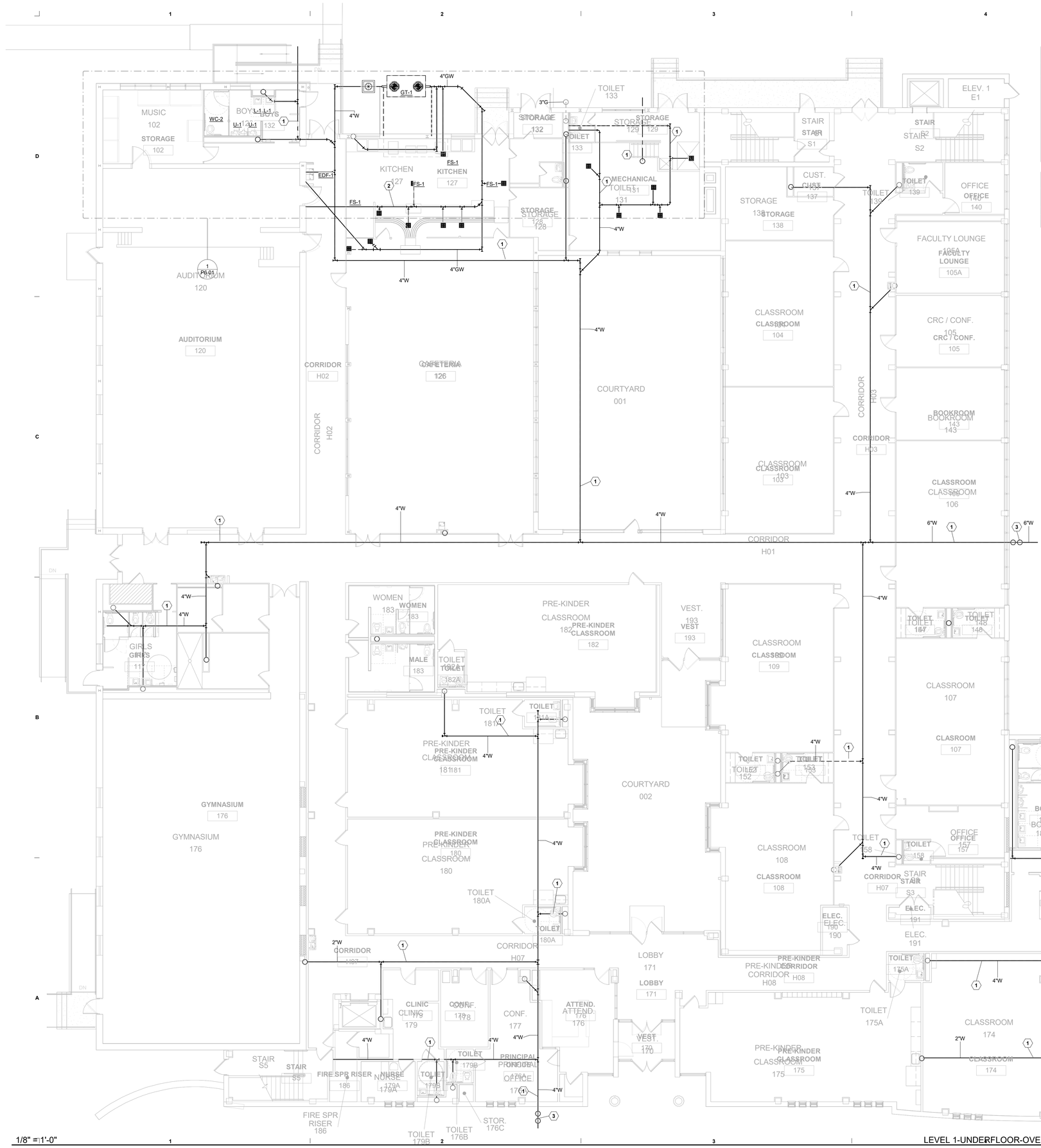

1/8" =1'-0"

LEVEL 1-UNDERFLOOR-OVERALL | 1

PLUMBING SHEET NOTES

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B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C	EXISTING SYSTEMS, PIPING, ETC. ARE APPROXIMATE SIZES AND LOCATIONS BASED ON LIMITED AS-BUILTS. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS, SIZES, LOCATIONS, AND CONDITIONS BEFORE BEGINNING WORK. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF RECORD IN WRITING OF ANY DISCREPANCIES, OMISSIONS, AND/OR CONFLICTS BEFORE COMMENCEMENT OF WORK INTENDED IN THESE CONTRACT DOCUMENTS. COMMENCEMENT OF WORK SHALL CONSTITUTE THE ACCEPTANCE OF COMPATIBILITY OF ALL NEW OR EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE TO PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, REGULATORY AGENCIES, AND STANDARD INDUSTRY TRADE PRACTICES.

KEYNOTES

1	PROVIDE NEW SANITARY WASTE AND VENT PIPING AND REPLACE PREVIOUSLY DEMO'D PIPING BELOW FLOOR IN CRAWL SPACE UP TO FINISHED FLOOR / OR CHASE FOR REPLACE.
2	REPLACE EXISTING GREASE WASTE PIPING IN KITCHEN.
3	PROVIDE NEW TWO CLEAN OUT AND RECONNECT TO EXISTING SEWER MAIN.

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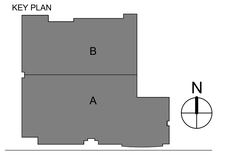
KEY PLAN



SHEET TITLE

PLUMBING UNDERFLOOR - LEVEL 1 OVERALL PLAN

SHEET NUMBER

P4.01

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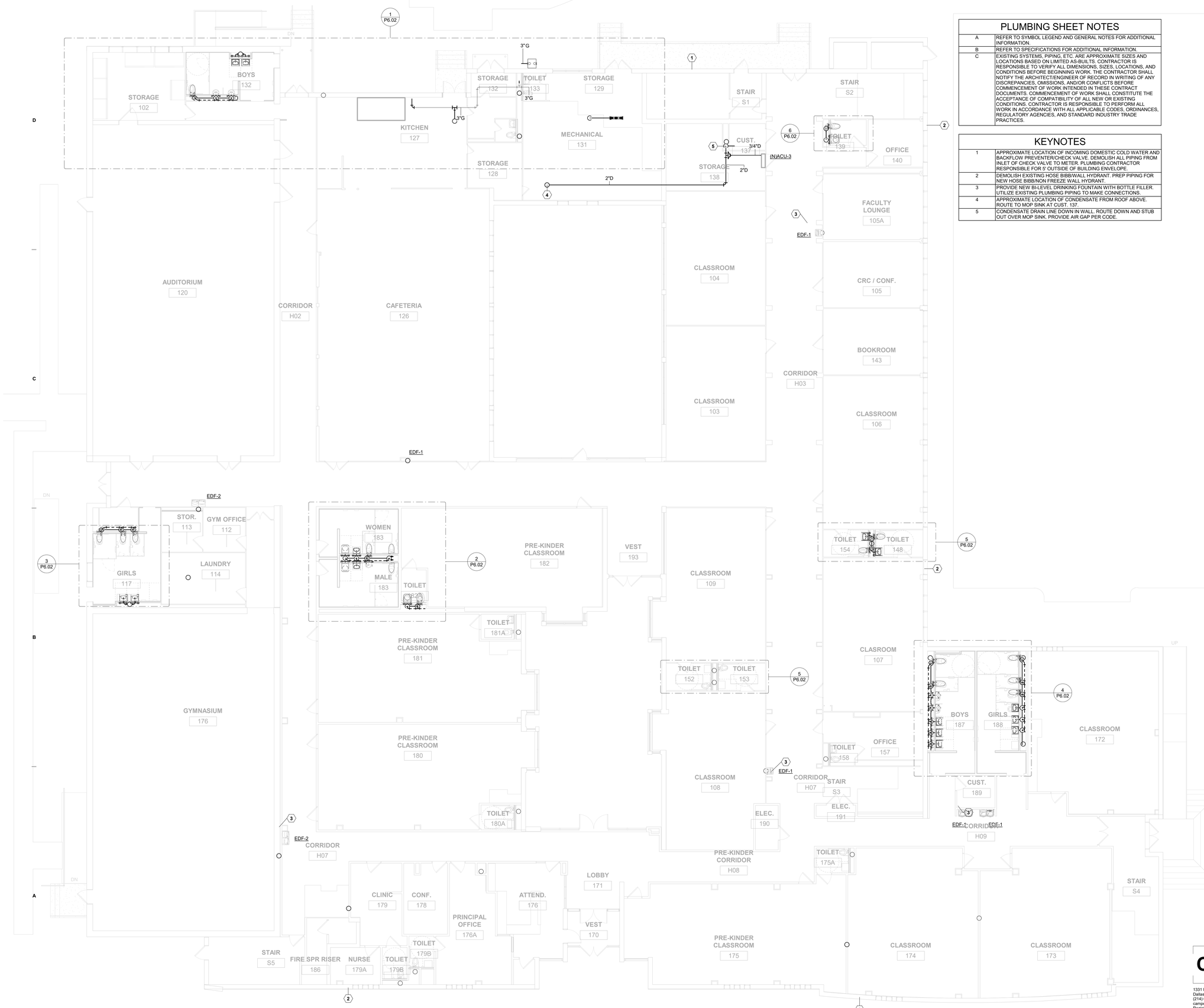

1/8" = 1'-0"

FLOOR PLAN - LEVEL 1 OVERALL | 1

PLUMBING SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
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KEYNOTES

1	APPROXIMATE LOCATION OF INCOMING DOMESTIC COLD WATER AND BACKFLOW PREVENTER/CHECK VALVE. DEMOLISH ALL PIPING FROM INLET OF CHECK VALVE TO METER. PLUMBING CONTRACTOR RESPONSIBLE FOR 5' OUTSIDE OF BUILDING ENVELOPE.
2	DEMOLISH EXISTING HOSE BIBB/WALL HYDRANT. PREP PIPING FOR NEW HOSE BIBB/NON FREEZE WALL HYDRANT.
3	PROVIDE NEW BI-LEVEL DRINKING FOUNTAIN WITH BOTTLE FILLER. UTILIZE EXISTING PLUMBING PIPING TO MAKE CONNECTIONS.
4	APPROXIMATE LOCATION OF CONDENSATE FROM ROOF ABOVE. ROUTE TO MOP SINK AT CUST. 137.
5	CONDENSATE DRAIN LINE DOWN IN WALL. ROUTE DOWN AND STUB OUT OVER MOP SINK. PROVIDE AIR GAP PER CODE.

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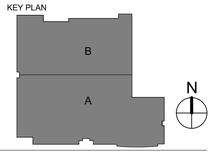
KEY PLAN



SHEET TITLE

PLUMBING - LEVEL 1 OVERALL PLAN

SHEET NUMBER

P4.02

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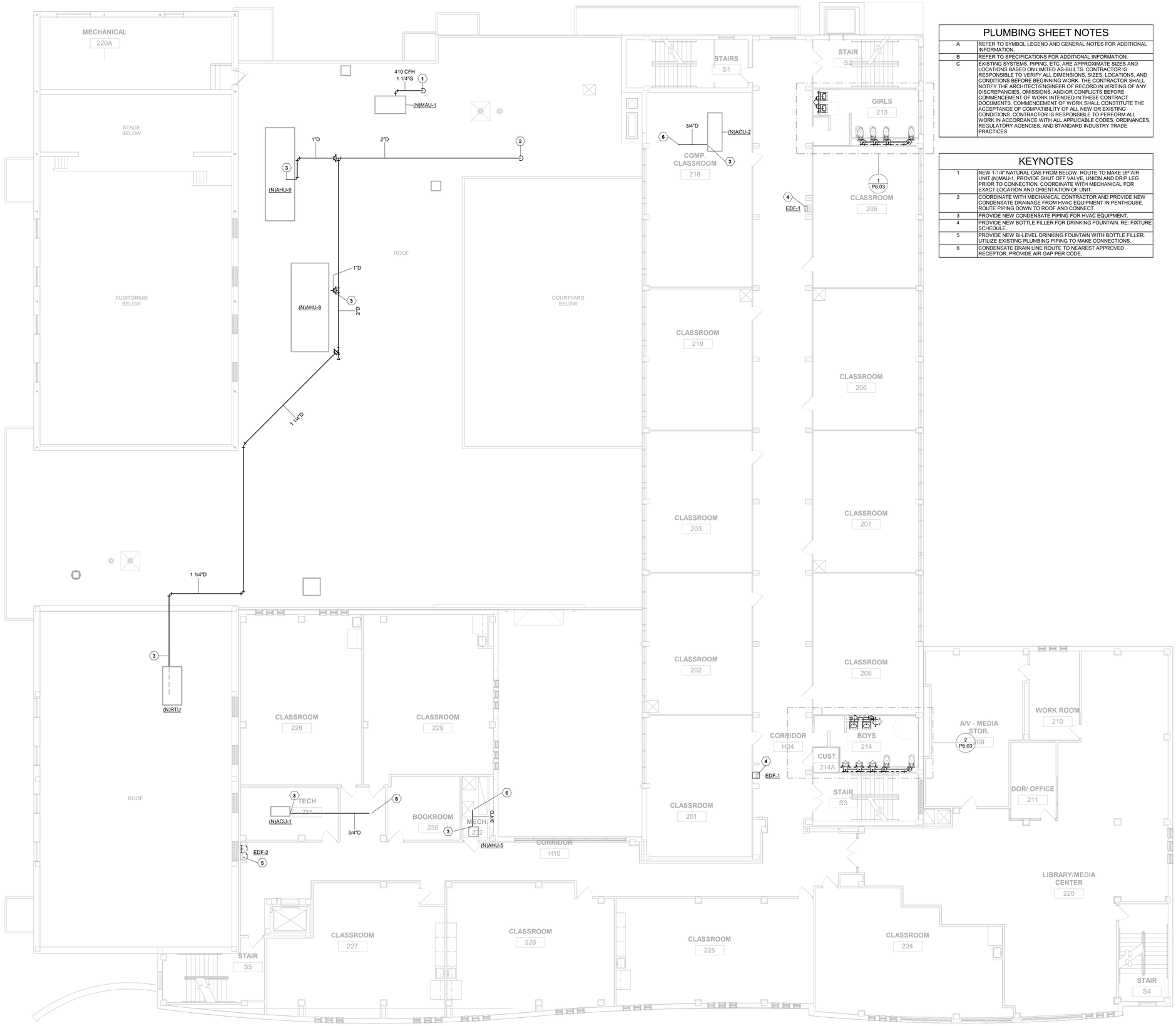

1/8" = 1'-0"

FLOOR PLAN LEVEL 2 PLAN-OVERALL | 1

PLUMBING SHEET NOTES

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KEYNOTES

1	NEW 1-1/4" NATURAL GAS FROM BELOW. ROUTE TO MAKE UP AIR UNIT (N)MAU-1. PROVIDE SHUT OFF VALVE, UNION AND DRIP LEG PRIOR TO CONNECTION. COORDINATE WITH MECHANICAL FOR EXACT LOCATION AND ORIENTATION OF UNIT.
2	COORDINATE WITH MECHANICAL CONTRACTOR AND PROVIDE NEW CONDENSATE DRAINAGE FROM HVAC EQUIPMENT IN PENTHOUSE. ROUTE PIPING DOWN TO ROOF AND CONNECT.
3	PROVIDE NEW CONDENSATE PIPING FOR HVAC EQUIPMENT.
4	PROVIDE NEW BOTTLE FILLER FOR DRINKING FOUNTAIN. RE: FIXTURE SCHEDULE.
5	PROVIDE NEW BI-LEVEL DRINKING FOUNTAIN WITH BOTTLE FILLER. UTILIZE EXISTING PLUMBING PIPING TO MAKE CONNECTIONS.
6	CONDENSATE DRAIN LINE ROUTE TO NEAREST APPROVED RECEPTOR. PROVIDE AIR GAP PER CODE.

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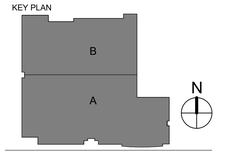

SHEET TITLE

PLUMBING - LEVEL 2 OVERALL PLAN

SHEET NUMBER

P4.03

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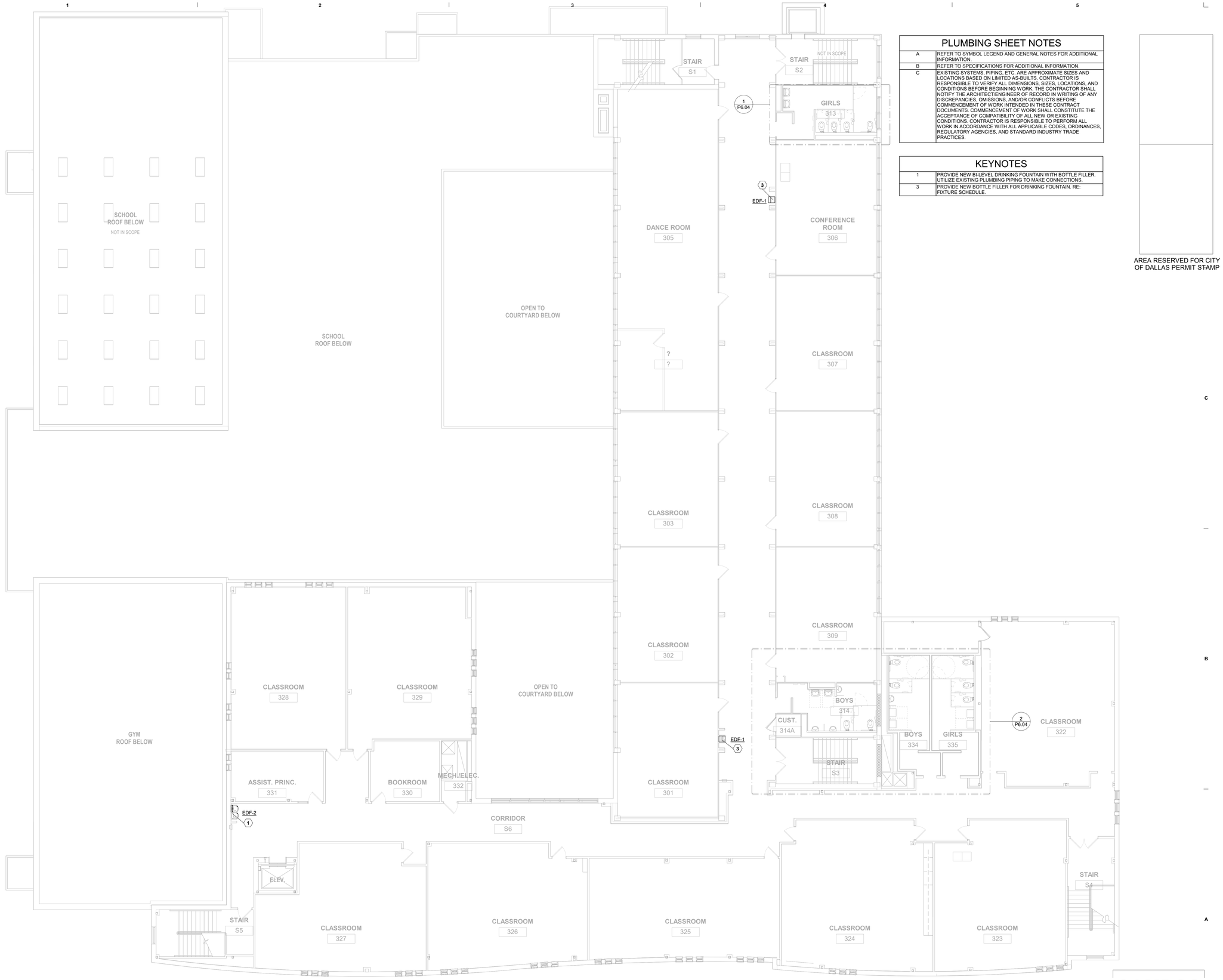

1/8" = 1'-0"

FLOOR PLAN LEVEL 3-PLAN-OVERALL | 1

PLUMBING SHEET NOTES

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KEYNOTES

1	PROVIDE NEW BI-LEVEL DRINKING FOUNTAIN WITH BOTTLE FILLER. UTILIZE EXISTING PLUMBING PIPING TO MAKE CONNECTIONS.
3	PROVIDE NEW BOTTLE FILLER FOR DRINKING FOUNTAIN. RE: FIXTURE SCHEDULE.

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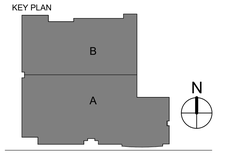

SHEET TITLE

PLUMBING - LEVEL 3 OVERALL PLAN

SHEET NUMBER

P4.04

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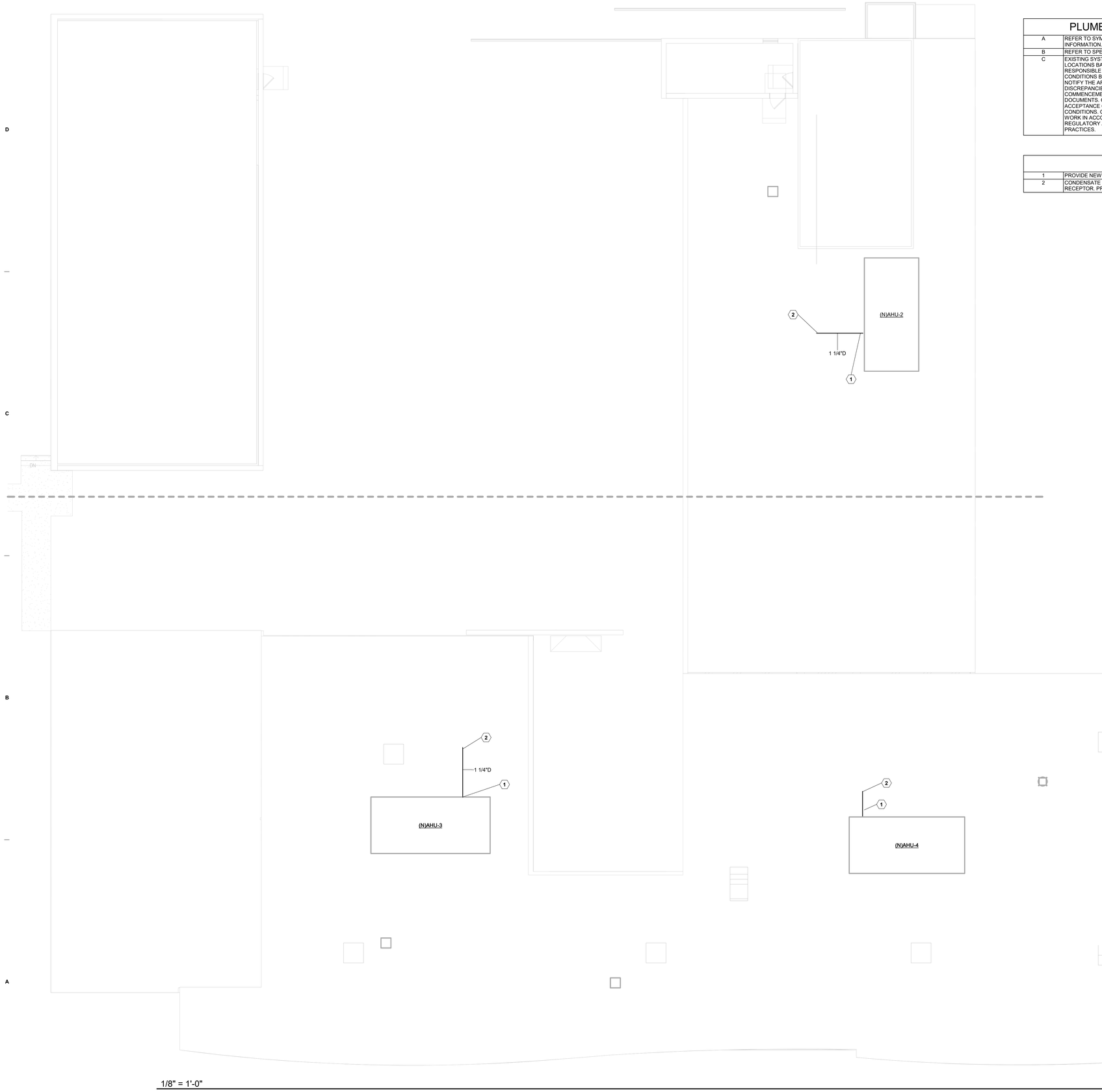

PLUMBING SHEET NOTES

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KEYNOTES

1	PROVIDE NEW CONDENSATE PIPING FOR HVAC EQUIPMENT.
2	CONDENSATE DRAIN LINE ROUTE TO NEAREST APPROVED RECEPTOR. PROVIDE AIR GAP PER CODE.

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1/8" = 1'-0"

PLUMBING ROOF PLAN | 1

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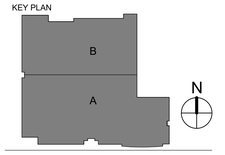

SHEET TITLE

PLUMBING - ROOF LEVEL OVERALL PLAN

SHEET NUMBER

P4.05

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PLUMBING SHEET NOTES	
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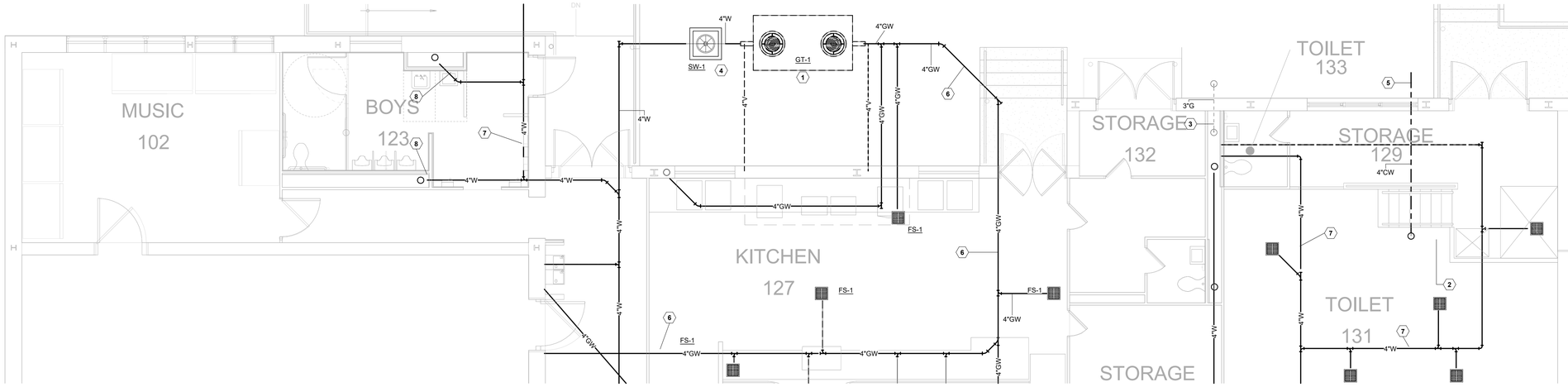
KEYNOTES	
1	APPROXIMATE LOCATION OF NEW 1000 GALLON GREASE TRAP. PROVIDE NEW DRAIN PIPING AND RECONNECT VENT PIPING TO NEW GREASE TRAP. PROVIDE CLEANOUTS AS NECESSARY TO MEET CODE. RE: DETAIL 6/P8.01.
2	NEW 4" DOMESTIC WATER LINE UP TO LEVEL ABOVE. REPLACE TO 5' OUTSIDE BUILDING.
3	NEW GAS LINE UP FROM CRAWLSPACE. REPLACE FROM KITCHEN TO METER.
4	PROVIDE NEW SAMPLE WELL FOR GREASE SYSTEM. PROVIDE CLEANOUTS AS NECESSARY TO MEET CODE. RE: DETAIL 7/P8.01.
5	NEW 4" DOMESTIC COLD WATER OUT TO STREET. ALL PIPING TO BE REPLACED FROM BACKFLOW TO 5' OUTSIDE BUILDING.
6	REPLACE EXISTING GREASE WASTE PIPING IN KITCHEN.
7	PROVIDE NEW SANITARY WASTE AND VENT PIPING AND REPLACE PREVIOUSLY DEMO'D PIPING BELOW FLOOR IN CRAWL SPACE UP TO FINISHED FLOOR / OR CHASE FOR REPLACE.
8	PROVIDE NEW WATER CLOSET CARRIERS, URINAL CARRIERS, LAVATORY CARRIERS, SANITARY WASTE AND VENT PIPING, LAVATORY FAUCETS AND FLUSH VALVES. PROVIDE ALL NEW FIXTURES. CONNECT NEW SANITARY WASTE AND VENT TO EXISTING CONNECT NEW FLUSH VALVES AND ALL ACCESSORIES TO PROVIDE FULLY FUNCTIONAL FIXTURES.



1/4" = 1'-0"

LEVEL 1-UNDERFLOOR-ENLARGED KITCHEN-MECH. RM | 1

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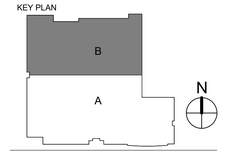
KEY PLAN



SHEET TITLE

LEVEL 1 UNDERFLOOR PLUMBING PLANS ENLARGED

SHEET NUMBER

P6.01

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Project Number: D24-3447.00

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Autodesk Docs://2023351 DISD Dalda, McShane, Polk Renovations/DISD_KB_Polk_CENTER_PLUM_R23.rvt

PLUMBING SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C	EXISTING SYSTEMS, PIPING, ETC. ARE APPROXIMATE SIZES AND LOCATIONS BASED ON LIMITED AS-BUILTS. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS, SIZES, LOCATIONS, AND CONDITIONS BEFORE BEGINNING WORK. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF RECORD IN WRITING OF ANY DISCREPANCIES, OMISSIONS, AND/OR CONFLICTS BEFORE COMMENCEMENT OF WORK INTENDED IN THESE CONTRACT DOCUMENTS. COMMENCEMENT OF WORK SHALL CONSTITUTE THE ACCEPTANCE OF COMPATIBILITY OF ALL NEW OR EXISTING CONDITIONS. CONTRACTOR IS RESPONSIBLE TO PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, REGULATORY AGENCIES, AND STANDARD INDUSTRY TRADE PRACTICES.

KEYNOTES

1	PROVIDE NEW GAS PIPING TO KITCHEN EQUIPMENT. PROVIDE NEW ANSUL STYLE GAS SHUT OFF VLAVE.
2	PROVIDE NEW WATER CLOSET CARRIERS, URINAL CARRIERS, LAVATORY CARRIERS, SANITARY WASTE AND VENT PIPING, LAVATORY FAUCETS AND FLUSH VALVES. PROVIDE ALL NEW FIXTURES. CONNECT NEW SANITARY WASTE AND VENT TO EXISTING CONNECT NEW FLUSH VALVES AND ALL ACCESSORIES TO PROVIDE FULLY FUNCTIONAL FIXTURES.
3	ADD ALTERNTE #4: PROVIDE NEW WATER CLOSET CARRIERS, URINAL CARRIERS, LAVATORY CARRIERS, SANITARY WASTE AND VENT PIPING, LAVATORY FAUCETS AND FLUSH VALVES. PROVIDE ALL NEW FIXTURES. CONNECT NEW SANITARY WASTE AND VENT TO EXISTING. CONNECT NEW FLUSH VALVES AND ALL ACCESSORIES TO PROVIDE FULLY FUNCTIONAL FIXTURES.
4	PROVIDE NEW FREEZE PROOF WALL HYDRANT. UTILIZE EXISTING PIPING AND RECONNECT.
5	APPROXIMATE LOCATION OF EXISTING 4" DOUBLE CHECK VALVE TO BE REPLACED. PIPING TO BE REPLACED FROM BACKFLOW PREVENTER TO 5' OUTSIDE BUILDING.
6	NEW GAS LINE UP FROM CRAWLSPACE. REPLACE FROM KITCHEN TO METER.
7	4" DOMESTIC COLD WATER UP FROM CRAWLSPACE TO BACKFLOW PREVENTER (BFP-1).
8	NATURAL GAS LINE DOWN TO BELOW GRADE AND IN TO CRAWLSPACE.
9	NEW 1000 GALLON GREASE TRAP. RE: P6.01 FOR PIPING.
10	NEW SAMPLE WELL. RE: P6.01 FOR PIPING.
11	NEW 1-1/4" NATURAL GAS UP TO MAKE UP AIR UNIT ON ROOF.

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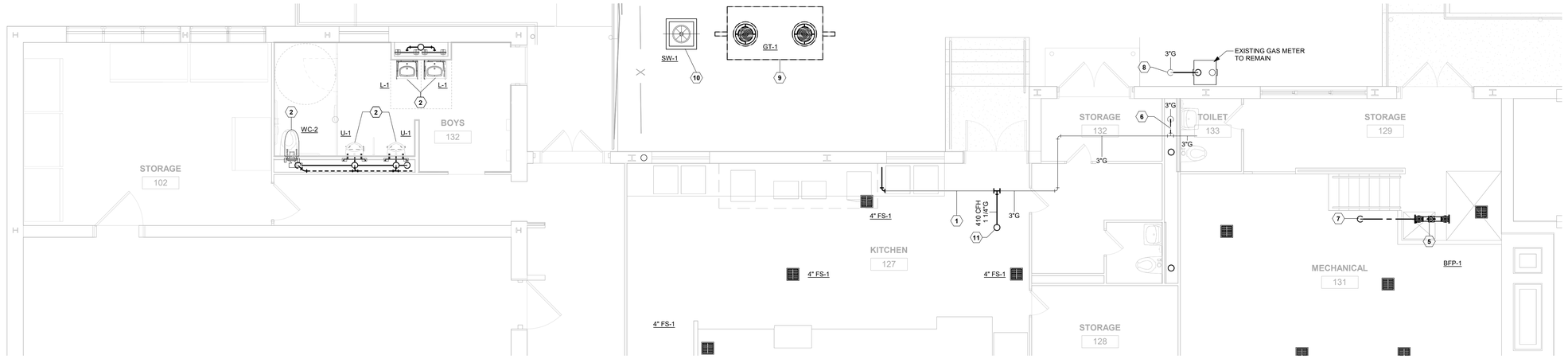
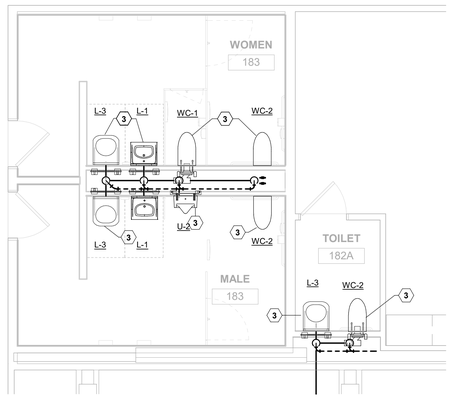
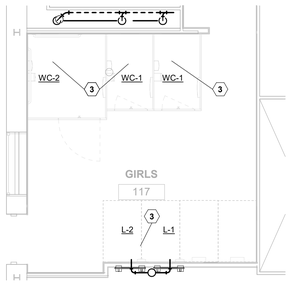


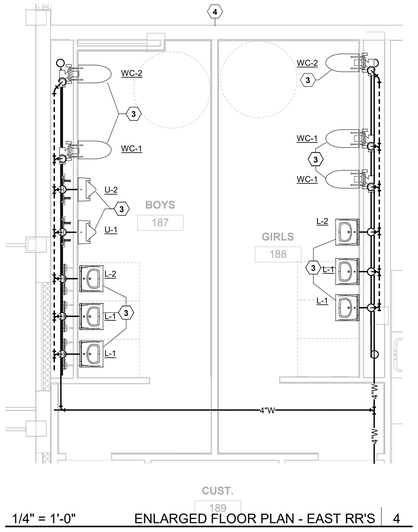
1/4" = 1'-0" ENLARGED FLOOR PLAN - KITCHEN-MECH. RM | 1



1/4" = 1'-0" ENLARGED FLOOR PLAN- CENTRAL RR'S | 2



1/4" = 1'-0" ENLARGED FLOOR PLAN- WEST RR'S | 3



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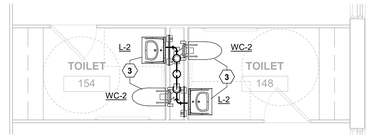
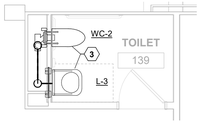


1/4" = 1'-0" ENLARGED FLOOR PLAN - B-B RR'S TYP. | 5



1/4" = 1'-0" ENLARGED FLOOR PLAN SINGLE RR'S TYP | 6

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STATE OF TEXAS
EDGAR A. GUARDIOLA
144240
LICENSED
PROFESSIONAL ENGINEER

11/11/2024

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PROJECT NAME

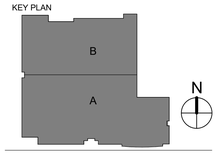
Org 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS

6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN



SHEET TITLE

LEVEL 1 PLUMBING PLANS ENLARGED

SHEET NUMBER

P6.02

CAMPOS
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Registration No: F-001731
Project Number: D24-3447.00

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KEYNOTES	
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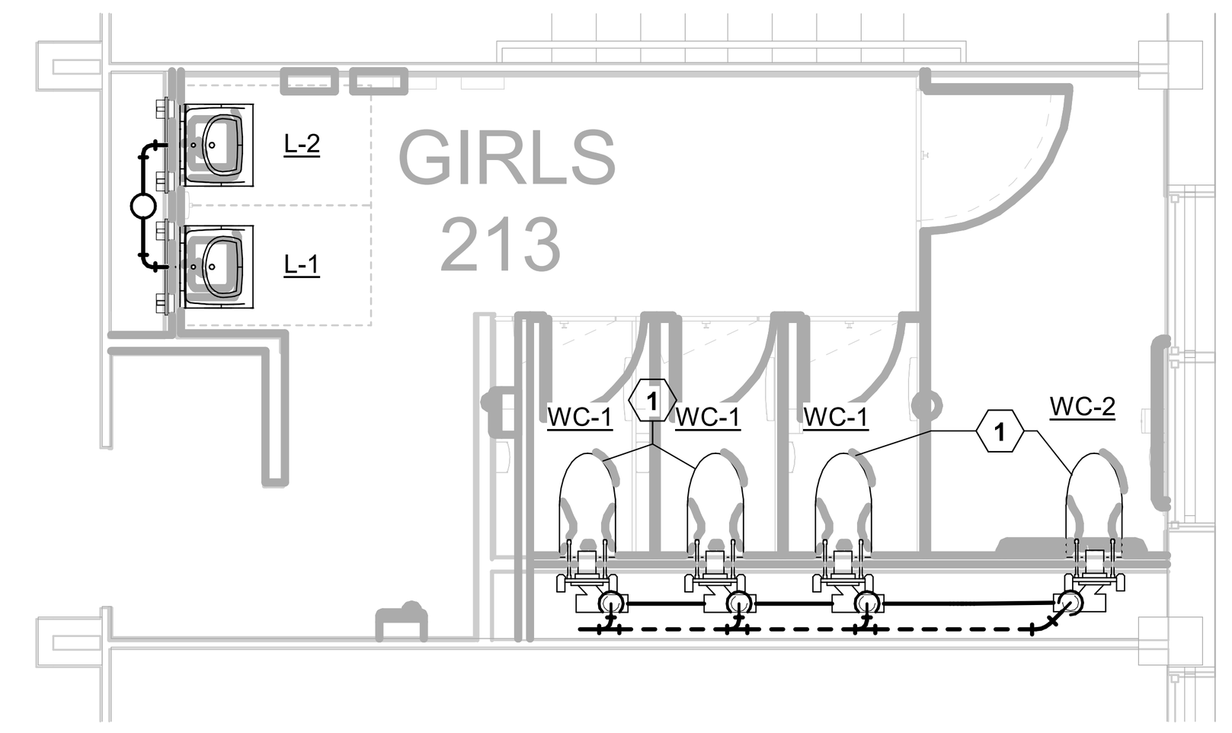
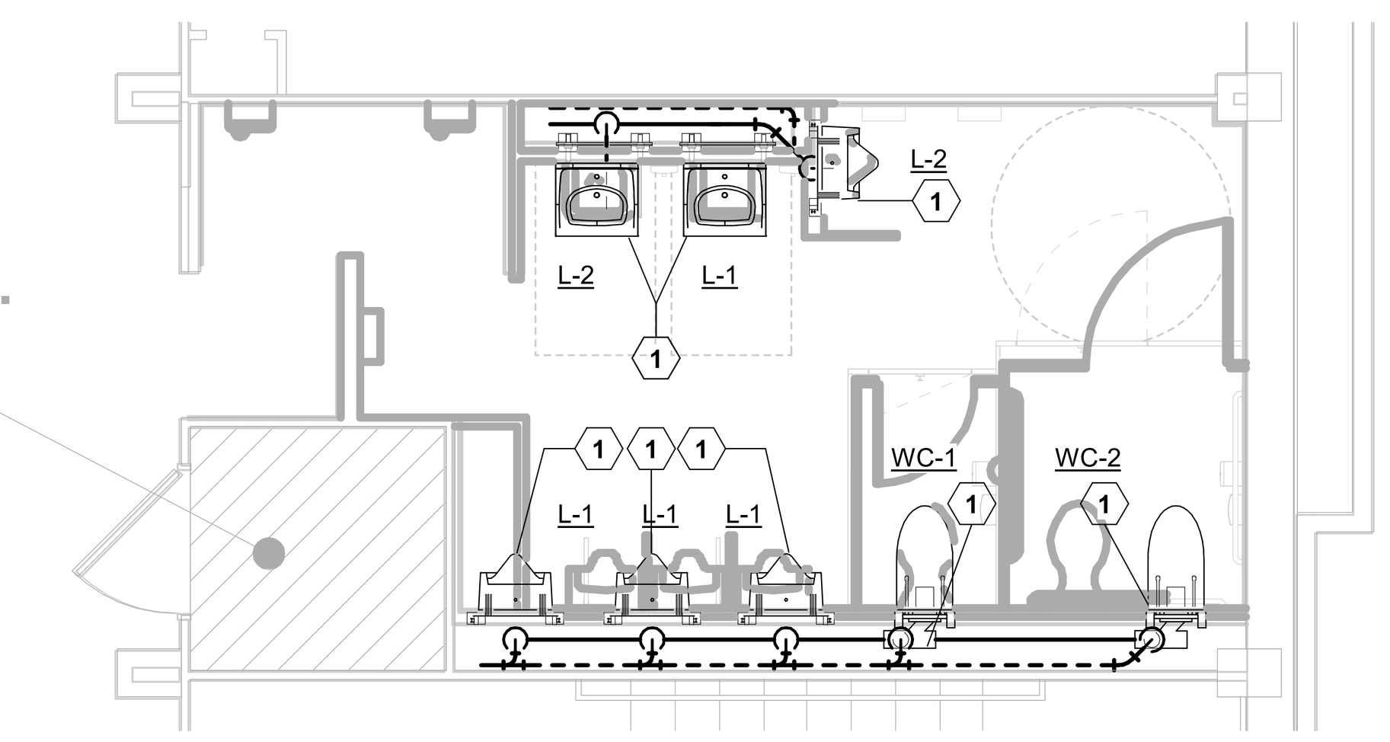


1/4" = 1'-0" Floor Plan ENLARGED - NORTH RR'S 1



1/4" = 1'-0" ENLARGED FLOOR PLAN- SOUTH RR'S 2

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These drawings have been prepared as one coordinated set of drawings and are complimentary. What is required by one drawing is required by all of the drawings, even if a detail or component part is not identified on every sheet. Any user's reliance on a single or select few sheet(s) of the drawings without consideration for the information included in the entire set of drawings will be at the user's sole risk and shall not form the basis for a request for additional compensation or time.

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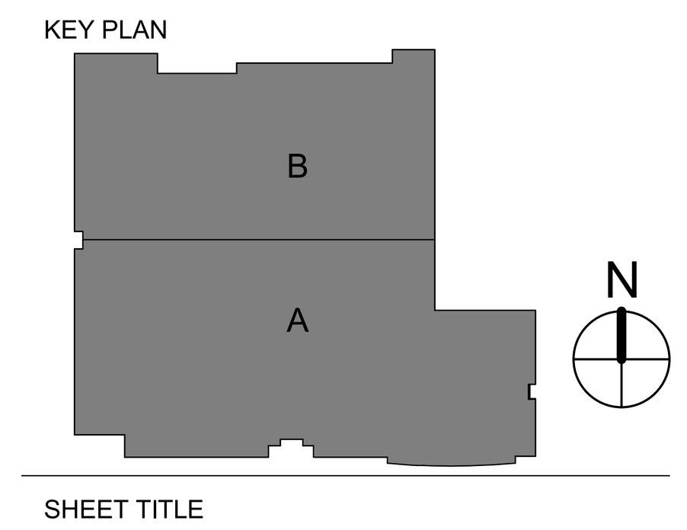
KIRKSEY PROJECT NO. 2023351

KEY PLAN



SHEET TITLE
LEVEL 2 PLUMBING PLANS ENLARGED

CAMPOS
ENGINEERING
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Registration No: F-001731
Project Number: D24-3447.00

SHEET NUMBER
P6.03

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KEYNOTES

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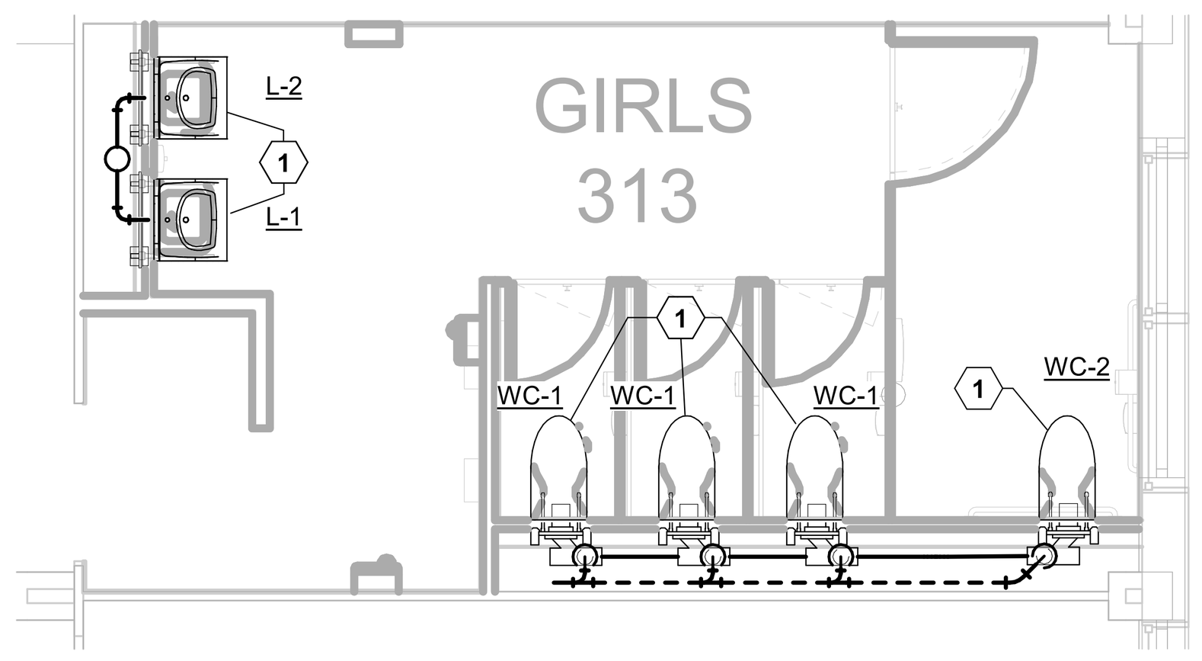
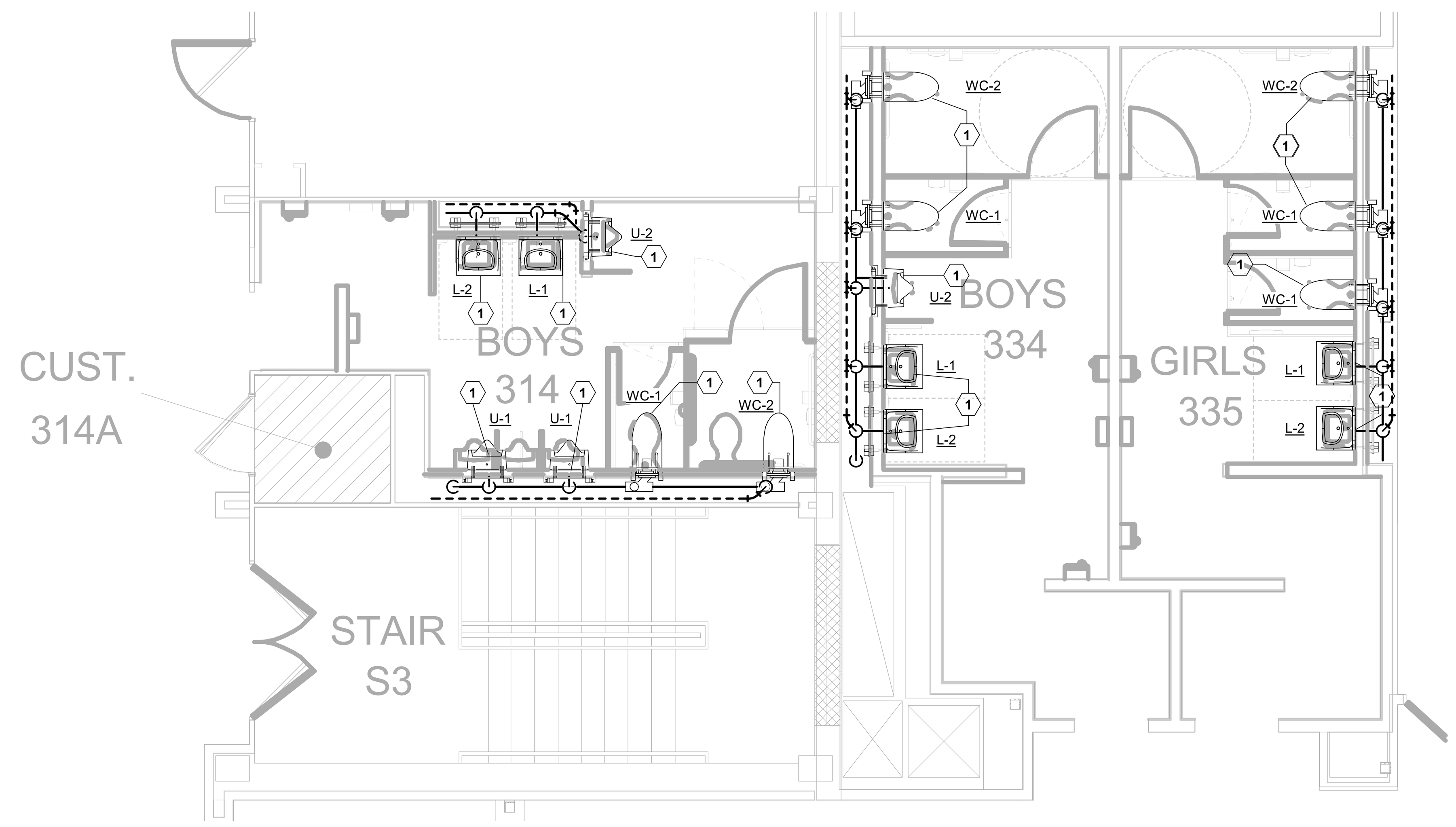


1/4" = 1'-0" LEVEL 3-ENLARGED - NORTH RR'S 1



1/4" = 1'-0" LEVEL 3-ENLARGED - SOUTH RR'S 2

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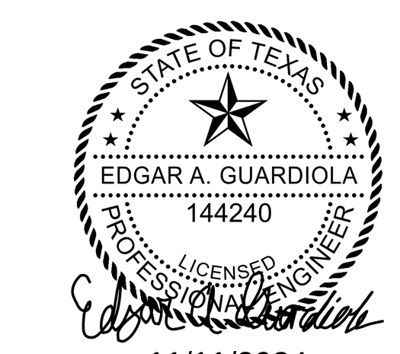

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PROJECT NAME
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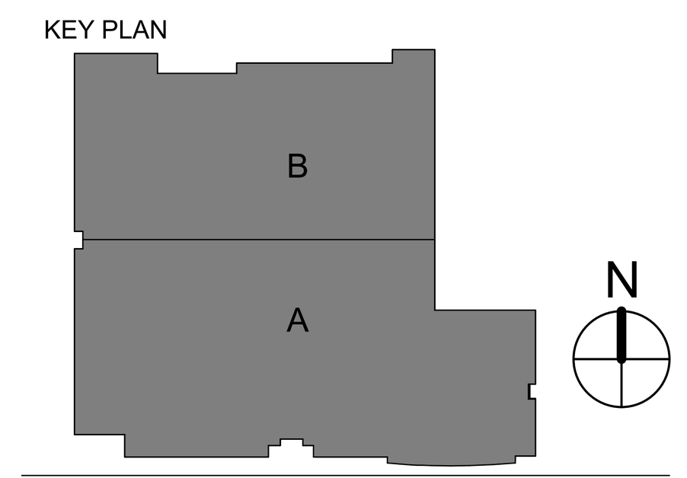
KIRKSEY PROJECT NO. 2023351

KEY PLAN



SHEET TITLE
LEVEL 3 PLUMBING PLANS ENLARGED

CAMPOS
ENGINEERING
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Registration No: F-001731
Project Number: D24-3447.00

SHEET NUMBER
P6.04

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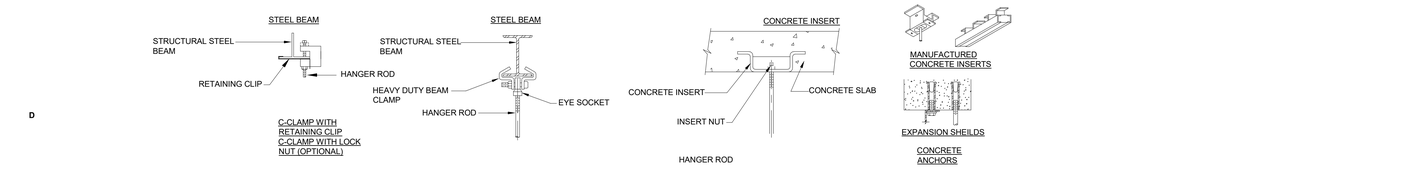
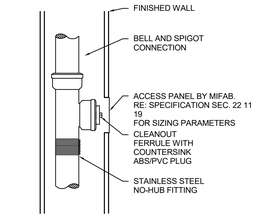


NOTE:

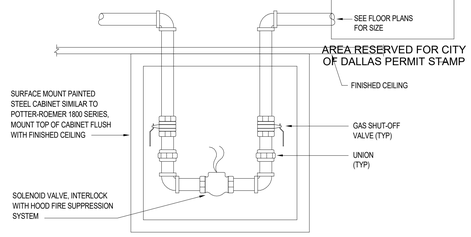
1. HANGER SPACING PER MSS-SP-69
2. SIZE ALL THREAD ROD AND TRAPEZE UNISTRUT CHANNEL FOR LOADS.
3. CONCRETE ANCHORS SHALL BE RATED FOR USE IN CRACKED CONCRETE PER IBC.

1 TYPICAL PIPE HANGER DETAILS
SCALE: NO SCALE

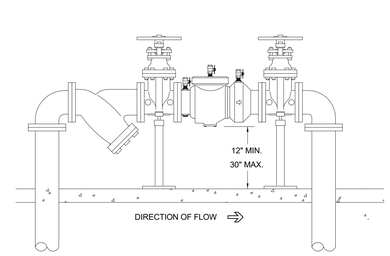


NOTE:
1. CONTRACTOR TO COORDINATE TYPE OF WALL.
2. CLEANOUT SHALL BE INSET FROM FINISHED WALL
3. THE ACTUAL INSTALLATION MAY VARY TO MEET THE INTENT.

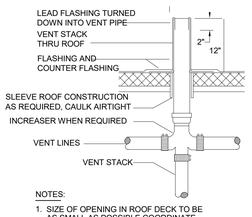
2 TYPICAL WALL CLEANOUT DETAIL
SCALE: NO SCALE



3 GAS SOLENOID SHUT OFF VALVE IN CABINET
SCALE: NO SCALE

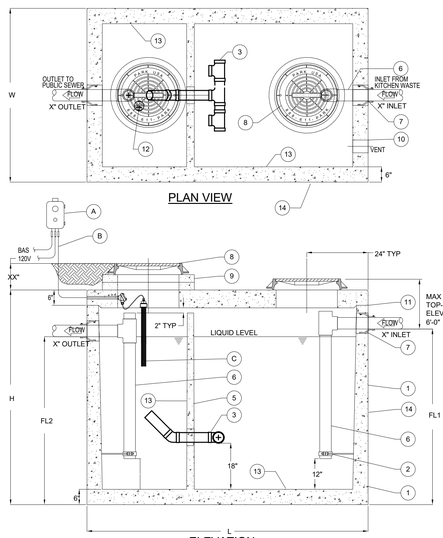


4 BACKFLOW PREVENTER DETAIL (BFP-1)
SCALE: NO SCALE



NOTES:
1. SIZE OF OPENING IN ROOF DECK TO BE AS SMALL AS POSSIBLE COORDINATE WITH STRUCTURAL DRAWINGS.
2. FOR ROOF CONSTRUCTION TYPE . REFER TO ARCHITECTURAL DRAWINGS.
3. CONDENSATE DRAIN LINE TO BE GALVANIZED IRON OR COPPER

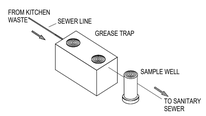
5 VENT STACK DETAIL
SCALE: NO SCALE



KEYED NOTES		
MARK	QTY	DESCRIPTION
1	1	PRECAST CONCRETE GREASE INTERCEPTOR
2	2	GALVANIZED RISER SUPPORT
3	1	6" PVC DOUBLE TEE MANIFOLD
4	-	TAPERED WALL
5	1	BAFFLE
6	2	SCH 40 PVC PIPING (PROVIDED LOOSE)
7	2	RESILIENT RUBBER BOOT
8	2	24" CAST IRON RING & COVER
9	-	CONCRETE EXTENSION RINGS AS REQ'D
10	1	4" VENT COUPLING
11	1	JOINT SEALED w/ PLASTIC FLEXIBLE GASKET (RAMNEK)
12	1	NAMEPLATE INDICATING: MFG: ParkUSA.COM 888-611-PARK MODEL: GT-03 DATE MANUFACTURED
13	1	INTERIOR LINING 3MM HDPE
14	1	EXTERIOR BITUMASTIC COATING

CONTROL NOTES		
MARK	QTY	DESCRIPTION
A	1	SERVICE ALERT PANEL, NOTIFIES OF GREASE MAXIMUM CAPACITY w/ AUDIBLE & VISUAL ALARM (NEMA 4X)
B	-	CABLE & CONDUIT ROUTED TO ALARM (BY OTHERS)
C	1	GREASE SENSOR (NEMA 7)

NAMEPLATE



GREASE INTERCEPTOR SCHEDULE								
MODEL NO.	CAPACITY USGal	GREASE CAP. (LBS)	EMPTY WT (LBS)	LENGTH L	WIDTH W	HEIGHT H	INLET FL1	OUTLET FL2
GTX-1000	1,000	2,300	13,350	8'-8"	5'-0"	6'-0"	4'-8"	4'-8"

ENGINEERING DATA

THE GREASE INTERCEPTOR IS STRUCTURALLY & HYDRAULICALLY ENGINEERED TO CONFORM TO UPC/IPC AND REGIONAL PLUMBING CODES RECOMMENDED IN MOST CITIES. CONSULT WITH LOCAL AUTHORITIES FOR SPECIFIC APPLICATION REQUIREMENTS.

SHOP DRAWINGS SHALL INCLUDE COMPLETE STRUCTURAL & BUOYANCY CALCULATIONS CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER UPON REQUEST.

CONSULT PARKUSA FOR EXACT EXCAVATION DIMENSIONS & SHIPPING INFORMATION.

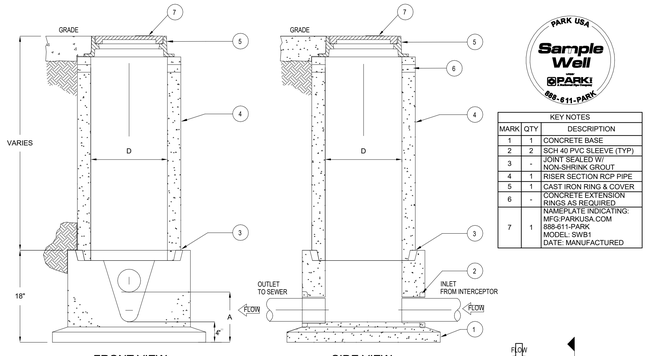
SPECIFICATIONS

CONCRETE: CLASS I/II CONCRETE WITH DESIGN STRENGTH OF 4500 PSI AT 28 DAYS. UNIT IS OF MONOLITHIC CONSTRUCTION AT FLOOR, FIRST STAGE OF WALL AND BAFFLE WITH SECTIONAL RISER TO REQUIRED DEPTH. (MONOLITHIC BAFFLE REQUIRED, SLIDE-IN TYPE NOT ACCEPTABLE).

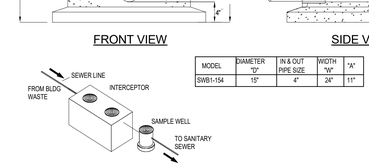
REINFORCEMENT: GRADE 60 REINFORCED WITH STEEL REBAR CONFORMING TO ATSM A615 ON REQUIRED CENTERS OR EQUAL.

C.I. CASTINGS: MANHOLE FRAMES, COVERS OR GRATES ARE MANUFACTURED OF GREY CAST IRON CONFORMING TO ASTM A48-76 CLASS 30. MANHOLE SHALL BE NOMINAL 24 INCH DIAMETER AND BE TRAFFIC DUTY.

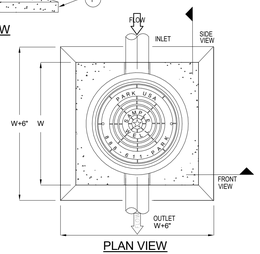
6 GREASE TRAP DETAIL
SCALE: NO SCALE



KEY NOTES		
MARK	QTY	DESCRIPTION
1	1	CONCRETE BASE
2	2	SCH 40 PVC SLEEVE (TYP)
3	-	JOINT SEALED W/ NON-SHRINK GROUT
4	1	RISER SECTION RCP PIPE
5	1	CAST IRON RING & COVER
6	-	CONCRETE EXTENSION RINGS AS REQUIRED
7	1	NAMEPLATE INDICATING: MFG:PARKUSA.COM 888-611-PARK MODEL: SWB1 DATE: MANUFACTURED



MODEL	DIAMETER "D"	IN & OUT PIPE SIZE	WIDTH "W"	"A"
SWB1-154	15"	4"	24"	11"



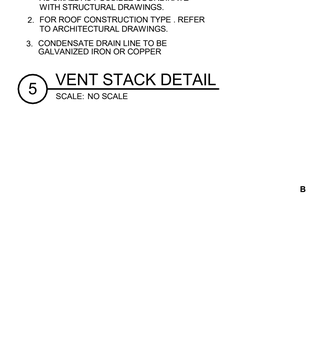
NOTES
1. SAMPLING WELL MUST BE INSTALLED UNDER A SEPARATE PLUMBING PERMIT.
2. USE 15" FOR INSTALLATION 6'-0" DEEP AND LESS.
3. USE 24" FOR INSTALLATION GREATER THAN 6'-0" DEEP. (STD RING AND M.H. COVER REQUIRED)
4. SAMPLING WELL MUST BE SET IN A CIRCULAR OR SQUARE CONCRETE PAD (1'-0" GREATER THAN OUTSIDE DIAMETER OF PIPE.)
5. DRIVE & SIDEWALK INSTALLATION MUST BE BROUGHT TO FINISHED GRADE
6. TO BE INSTALLED ON PRIVATE PROPERTY, IN AN ACCESSIBLE LOCATION TO CITY PERSONNEL.

SPECIFICATIONS

CONCRETE: Class I/II concrete with cl of design strength of 4500 PSI at 28 days. Unit is of monolithic construction at floor and first stage of wall with sectional riser to required depth.

C.I. CASTINGS: Cast iron rings and grates are manufactured of grey cast iron conforming to ASTM A48 Class 30, Heavy-Duty AASHTO H20/HL93

7 SAMPLE WELL DETAIL
SCALE: NO SCALE



BLOWTHRU :
A = GREATER OF 4" OR 1/2" PLUS AHU TOTAL PRESSURE IN INCHES-WC.

DRAWTHRU :
B = GREATER OF 2" OR 1/2" PLUS AHU TOTAL PRESSURE IN INCHES-WC

NOTES:
1. REF. PLAN DWG'S FOR CONDENSATE DRAIN PIPE SIZE, (1"□ MIN. AT EACH AHU DRAIN CONNECTION POINT). REF. SPECIFICATIONS FOR PIPE AND INSULATION MATERIAL REQUIREMENTS.
2. PAD OR STANCHION HEIGHT DETERMINED BY SPACE REQD TO INSTALL TRAP, REF. PLAN DWG'S HEIGHT.

8 CONDENSATE DRAIN DETAIL
SCALE: NO SCALE

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KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE
PLUMBING DETAILS

SHEET NUMBER
P8.01

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Registration No: F-001731
Project Number: D24-3447.00

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PLUMBING EQUIPMENT SCHEDULE

SYMBOL	DESCRIPTION	MANUF.	MODEL NUMBER	BASIS OF DESIGN
FD-1	FLOOR DRAIN	WATTS/ BLUCHER	BFD-424	STAINLESS STEEL BODY WITH BOTTOM OUTLET, ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH SEEPAGE SLOTS, ADJUSTABLE HEEL-PROOF 8" DIA. STAINLESS STEEL STRAINER, AND PROSET TRAP GUARD TG-33-Z. PROVIDE DEEP SEAL TRAP.
FS-1	FLOOR SINK	WATTS/ BLUCHER	FS-790	STAINLESS STEEL BODY WITH BOTTOM OUTLET, ANCHOR FLANGE, REVERSIBLE CLAMPING COLLAR WITH SEEPAGE SLOTS, STAINLESS STEEL HALF GRATE, AND PROSET TRAP GUARD TG-33-Z. PROVIDE DEEP SEAL TRAP.
BFP-1	BACKFLOW PREVENTER	WATTS	LF-709	EPOXY COATED, LEAD FREE WITH NON RISING STEM, EPOXY COATED STRAINER. STAINLESS STEEL SEATSAND LEAD FREE TEST COCKS.
GT-1	GREASE TRAP	PARK USA	GTX-1000	CLASS I/II CONCRETE WITH DESIGN STRENGTH OF 4500 PSI AT 28 DAYS. MONOLITHIC CONSTRUCTION AT FLOOR, FIRST STAGE OF WALL AND BAFFLE FIRST STAGE OF WALL AND BAFFLE WITH SECTIONAL RISER TO REQUIRED DEPTH. INTERIOR LINING 3MM HDPE AND EXTERIOR BITUMASTIC COATING.
SW-1	SAMPLE WELL	PARK USA	SWB1-154	CLASS I/II CONCRETE WITH DESIGN STRENGTH OF 4500 PSI AT 28 DAYS. MONOLITHIC CONSTRUCTION AT FLOOR, FIRST STAGE OF WALL AND BAFFLE FIRST STAGE OF WALL WITH SECTIONAL RISER TO REQUIRED DEPTH. CAST IRON RINGS AND GRATES ARE MANUFACTURED OF GREY CAST IRON CONFORMING TO ASTM A48 CLASS 30, HEAVY DUTY AASHTO H20/HL93.

PLUMBING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	MANUF.	MODEL NUMBER	BASIS OF DESIGN	CONNECTIONS			
					CW	HW	W	V
WC-1	WATER CLOSET	AMER. STAND.	3351. 101. 128	"AFWALL MILLENIUM" 17" RIM HEIGHT, WHITE VITREOUS CHINA, ELONGATED BOWL, SIPHON JET, 1.28 GPF, WALL MOUNTED CARRIER CLOSET BOWL WITH TOP SPUD, BOLT CAPS. OLSONITE No. 95 OPEN FRONT SEAT, LESS COVER, WITH CHECK HINGE AND WATTS FLOOR MOUNTED CHAIR CARRIER MODEL No. ISCA-101-L/R. SLOAN ROYAL 111-1.28 CHROME PLATED EXPOSED MANUAL FLUSH VALVE WITH VACUUM BREAKER AND SCREWDRIVER ANGLE STOP WITH H-37 PROTECTIVE STOP CAPS.	1"	--	4"	2"
WC-2	ADA WATER CLOSET	AMER. STAND.	3351. 101. 128	SAME AS WC-1. MOUNT AT ADA HEIGHT.	1"	--	4"	2"
U-1	URINAL	AMER. STAND.	6590.001	"WASHBROOK" VITREOUS CHINA, TO PSPUD BACK OUTLET, WALL HUNG URINAL. PROVIDE SLOAN ROYAL 186-.5 FLUSH VALVE AND FLOOR MOUNTED CARRIER BY WATTS, MODEL CA-311. REFERENCE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.	3/4"	--	2"	2"
U-2	ADA URINAL	AMER. STAND.	6590.001	SAME AS U-1. MOUNT AT ADA HEIGHT.	3/4"	--	2"	2"
L-1	LAVATORY	AMER. STAND	0355. 027. 020	"LUCERNE" MODEL, WHITE VITREOUS CHINA, WALL HUNG, CARRIER MOUNTED LAVATORY WITH FRONT OVERFLOW AND CHICAGO FAUCET No. 802-317-244ABCP WITH PERFORATED FIXED GRID STRAINER, P-TRAP WITH CLEANOUT, STOPS AND SUPPLIES. PROVIDE DEARBORN SAFETY SERIES INSULATION KIT WHERE PIPING IS EXPOSED. PROVIDE WATTS TCA-411 OR EQUAL, FLOOR MOUNTED CONCEALED ARM CARRIER. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.	1/2"	1/2"	1/1/2"	2"
L-2	ADA LAVATORY	AMER. STAND	0355. 027. 020	SAME AS L-1. MOUNT AT ADA HEIGHT. PROVIDE INSULATION KIT	1/2"	1/2"	1/1/2"	2"
L-3	WHEELCHAIR ACCESIBLE ADA LAVATORY	AMER. STAND	9141.011	WHITE VITREOUS CHINA, WALL HUNG, CARRIER MOUNTED LAVATORY WITH FRONT OVERFLOW AND CHICAGO FAUCET No. 802-317-244ABCP WITH PERFORATED FIXED GRID STRAINER, P-TRAP WITH CLEANOUT, STOPS AND SUPPLIES. PROVIDE DEARBORN SAFETY SERIES INSULATION KIT.PROVIDE WATTS TCA-411 OR EQUAL, FLOOR MOUNTED CONCEALED ARM CARRIER. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.	1/2"	1/2"	1/1/2"	2"
EDF-1	ELEC. DRINKING FOUNTAIN W/BOTTLE FILLER	HALSEY TAYLOR	HTHB-HAC8PV	HALSEY TAYLOR HYDROBOOST BOTTLE FILLING STATION AND DRINKING FOUNTAIN ADA COOLER FILTERED REFRIGERATED STAINLESS STEEL.	1/2"	--	2"	1-1/2"
EDF-2	ELEC. DRINKING FOUNTAIN W/BOTTLE FILLER	HALSEY TAYLOR	HTHB-HAC8BL	HALSEY TAYLOR HYDROBOOST BOTTLE FILLING STATION AND BI-LEVEL DRINKING FOUNTAIN ADA COOLER FILTERED REFRIGERATED, STAINLESS STEEL.	1/2"	--	2"	1-1/2"
FPWH-1	FREEZE PROOF WALL HYDRANT	WATTS	HY-420	WATTS HY-420 NON FREEZE KEY OPERATED WALL HYDRANT WITH CHROME PLATED FACE, INTEGRAL VACUUM BREAKER, 3/4" HOSE CONNECTION 3/4" FEMALE X 1" MALE PIPE CONNECTION. ALL BRONZE HEAD, SEAT CASTING AND INTERNAL WORKING PARTS, BRONZE WALL CASING AND LOOSE KEY	3/4"	--	--	--

NOTES:
1. REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS AND EXACT LOCATIONS OF PLUMBING FIXTURES ACCESSORIES.
2. ALL ADA COMPLIANT PLUMBING FIXTURES SHALL COMPLY WITH THE LATEST TEXAS ACCESSIBILITY STANDARDS, NSF, ANSI, ASTM, ASME, AND ASSE STANDARDS AND GUIDELINES.
3. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.

AREA RESERVED FOR CITY OF DALLAS PERMIT STAMP

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STATE OF TEXAS
EDGAR A. GUARDIOLA
144240
LICENSED PROFESSIONAL ENGINEER
11/11/2024

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PROJECT NAME
Org 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS
6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE
PLUMBING SCHEDULES

SHEET NUMBER
P9.01

CAMPOS ENGINEERING
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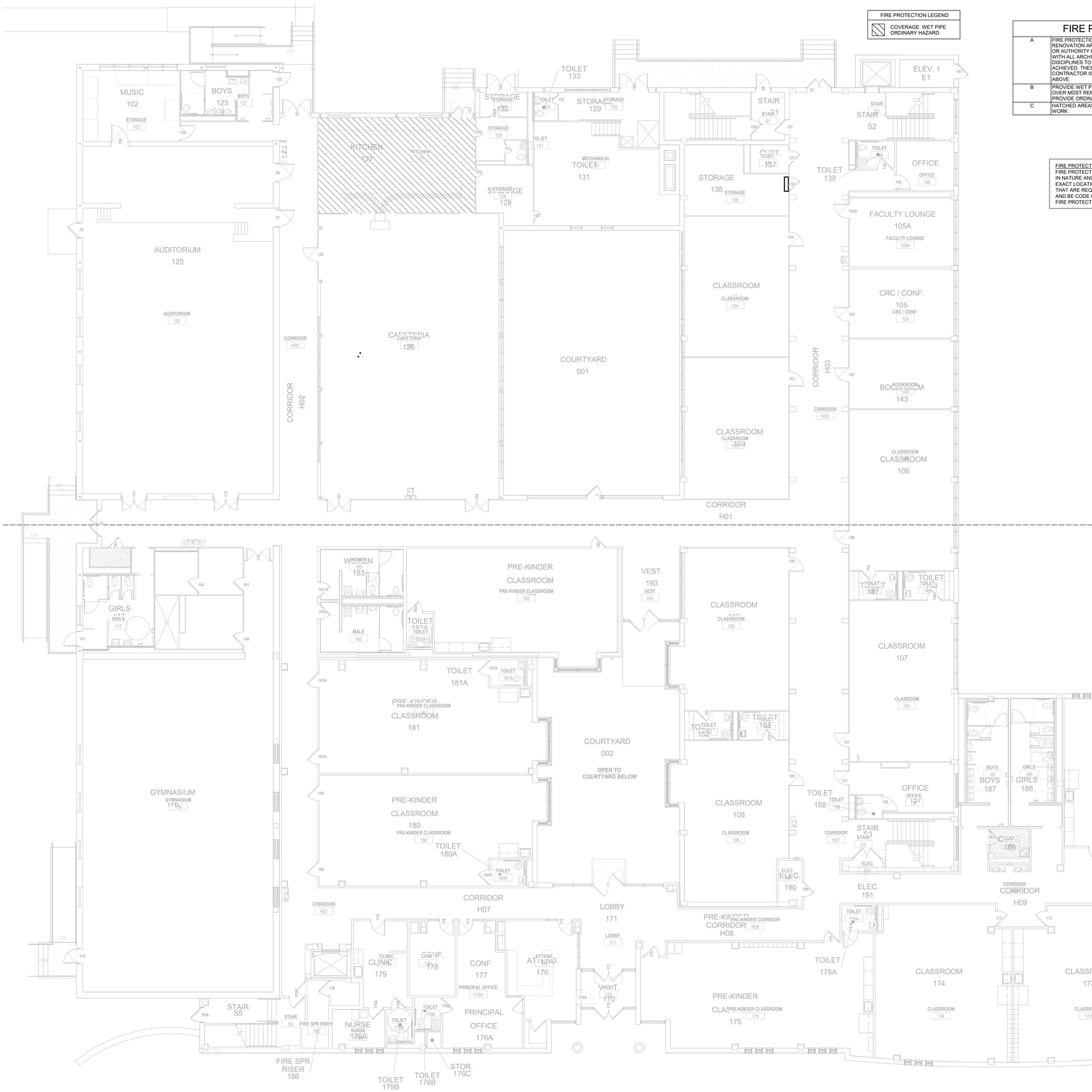
Registration No: F-001731
Project Number: D24-3447.00



MECHANICAL PLAN LEVEL 1 - OVERALL

1 Copy 1
1/8" = 1'-0"

FIRE PROTECTION SHEET NOTES

A	FIRE PROTECTION CONTRACTOR SHALL PROVIDE WET PIPE FOR THE NOTED NEW AND RENOVATION AREAS IN ACCORDANCE WITH NFPA 13, NFPA 14, AND THE CITY OF DALLAS OR AUTHORITY HAVING JURISDICTION (AHJ). COORDINATE ALL FIRE PROTECTION WORK WITH ALL ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND STRUCTURAL DISCIPLINES TO ENSURE THAT A COMPLETELY COORDINATED INSTALLATION IS ACHIEVED. THESE PLANS SERVE AS A GENERAL GUIDE ONLY. THE SPRINKLER CONTRACTOR IS RESPONSIBLE FOR A COMPLETE SYSTEM BASED ON CODES MENTIONED ABOVE.
B	PROVIDE WET PIPE SPRINKLER PROTECTION WITH 0.10 PER SQUARE FOOT DENSITY OVER MOST REMOTE 1500 SQUARE FEET OVER THE NOTED ORDINARY HAZARD AREAS. PROVIDE ORDINARY HAZARD SPRINKLER SPACING, 135°F TEMPERATURE RATING.
C	HATCHED AREAS INDICATE THE LIMITS OF COVERAGE FOR FIRE SPRINKLER SYSTEM WORK.

FIRE PROTECTION SYSTEM PERFORMANCE DESIGN SPECIFICATION:
FIRE PROTECTION SYSTEM DEVICES SHOWN ARE DIAGRAMMATIC IN NATURE AND REPRESENT A PERFORMANCE BASED DESIGN. THE EXACT LOCATIONS, NUMBER OF DEVICES, DEVICE TYPES, ETC. THAT ARE REQUIRED FOR THE SYSTEM TO FUNCTION PROPERLY AND BE CODE COMPLIANT SHALL BE DETERMINED BY A LICENSED FIRE PROTECTION ENGINEER.

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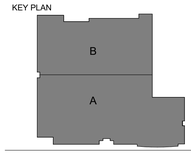

SHEET TITLE
LEVEL 1 FIRE PROTECTION PLAN

SHEET NUMBER
FP3.01

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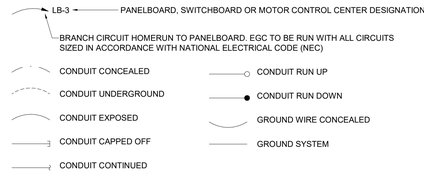
ELECTRICAL ABBREVIATIONS

(ALL ABBREVIATIONS MAY NOT APPEAR ON DRAWINGS)

A	AMPERE(S)
AC	ALTERNATING CURRENT
ACCU	AIR-COOLED CONDENSING UNIT
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISHED FLOOR
AFI	ARC FAULT INTERRUPTOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY(ROOT MEAN SQUARE ALTERNATE)
ALT	ALTERNATE
APPROX	APPROXIMATE OR APPROXIMATELY
ARCH	ARCHITECT
ATS	AUTOMATIC TRANSFER SWITCH
AUX	AUXILIARY
AWG	AMERICAN WIRE GAGE
BFC	BELOW FINISHED CEILING
BFG	BELOW FINISHED GRADE
BLDG	BUILDING
BOD	BOTTOM OF DUCT
BOT	BOTTOM OF TRAY
C	CONDUIT OR TUBING
CAT NO.	CATALOG NUMBER
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED-CIRCUIT TELEVISION
CKT	CIRCUIT
CLG	CEILING
CND	CONDUCTOR
COMM	COMMUNICATIONS
CONT	CONTINUATION
CT(S)	CURRENT TRANSFORMER(S)
DC	DIRECT CURRENT
DISC	DISCONNECT
DIV	DIVISION
DPDT	DOUBLE-POLE, DOUBLE THROW
DPST	DOUBLE-POLE, SINGLE THROW
DWG(S)	DRAWING(S)
EC	ELECTRICAL CONTRACTOR
EGC	EQUIPMENT GROUNDING CONDUCTOR
EHH	ELECTRICAL HANDHOLE
ELEC	ELECTRIC/ELECTRICAL
ELEV	ELEVATION
EMG	EMERGENCY
EMH	ELECTRICAL MANHOLE
EMT	ELECTRICAL METALLIC TUBING
EQPT	EQUIPMENT
ES	ENERGY SAVING
EWC	ELECTRICAL WATER COOLER
EWH	ELECTRICAL WATER HEATER
EX	EXISTING
EXH	EXHAUST
F	FUSE(S)
FAAP	FIRE ALARM ANNUNCIATOR PANEL
FACP	FIRE ALARM CONTROL PANEL
FBO	FURNISHED BY OWNER
FL	FLOOR
FLA	FULL LOAD AMPERE(S)
FLEX	FLEXIBLE
FS	FUSIBLE SAFETY SWITCH/FUSIBLE SWITCH
FUT	FUTURE
FVNR	FULL VOLTAGE, NON-REVERSING
FVR	FULL VOLTAGE, REVERSING
G	GROUND
GFI/GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GS	GALVANIZED STEEL
HID	HIGH INTENSITY DISCHARGE
HOA	HAND-OFF-AUTOMATIC
HORIZ	HORIZONTAL
HP	HORSEPOWER
HPF	HIGH POWER FACTOR
HPS	HIGH PRESSURE SODIUM
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
HZ	HERTZ
IES	ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA
IECC	INTERNATIONAL ENERGY CONSERVATION CODE
IG	ISOLATED GROUND
IMC	INTERMEDIATE METALLIC CONDUIT
INST	INSTRUMENT/INSTRUMENTATION
JBOX	JUNCTION BOX
KA	KILOAMPERE(S)
KW	KILOWATTS(S)
KWH	KILOWATT-HOUR(S)
KV	KILOVOLT(S)
KVA	KILOVOLT-AMPERE(S)
KVAR	KILOVOLT-AMPERE(S) REACTIVE
LED	LIGHT EMITTING DIODE
LPF	LOW POWER FACTOR
LPS	LOW PRESSURE SODIUM
LTG	LIGHTING
m	METER(S)
MAX	MAXIMUM
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MECH	MECHANICAL
MEZZ	MEZZANINE
MH	METAL HALIDE
MIC	MICROPHONE
MIN	MINIMUM
MLO	MAIN LUGS ONLY
mm	MILLIMETER(S)
MMS	MANUAL MOTOR STARTER
MTD	MOUNTED
MTR	MOTOR
MTS	MANUAL TRANSFER SWITCH
MV	MEDIUM VOLTAGE
MVA	MEGAVOLT-AMPERE(S)
MVAR	MEGAVOLT-AMPERE(S) REACTIVE
MW	MEGAWATT(S)
NC	NORMALLY CLOSED
NL	NIGHT LIGHT (UNSWITCHED CIRCUIT)
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NFS	NON-FUSIBLE SAFETY SWITCH
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OH	OVERHEAD
P	POLE(S)
PA	PUBLIC ADDRESS SYSTEM
PF	POWER FACTOR
PL	PILOT LIGHT
PNL	PANELBOARD
PVC	POLYVINYL CHLORIDE
RC	REMOTE CONTROL
RCP	REFLECTED CEILING PLAN
REC	RECEPTACLES(S)
RGS	RIGID GALVANIZED STEEL
RVSS	REDUCED VOLTAGE, SOLID STATE
SF	SQUARE FOOT OR FEET
SPDT	SINGLE-POLE, DOUBLE-THROW
SPST	SINGLE-POLE, SINGLE-THROW
SS	START-STOP
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
SPD	SURGE PROTECTIVE DEVICE
ST	SHUNT TRIP
TA	TRIP AMPERE(S)
TAS	TEXAS ACCESSIBILITY STANDARDS
TEL	TELEPHONE
TEMP	TEMPORARY
TV	TELEVISION
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORIES, INC.
UPS	UNINTERRUPTIBLE POWER SUPPLY
UON	UNLESS OTHERWISE NOTED
V	VOLTAGE OR VOLT(S)
VA	VOLT-AMPERE(S)
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
W	WATT(S)
WP	WEATHERPROOF
W/	WITH
W/O	WITHOUT
XFMR	TRANSFORMER
XP	EXPLOSION-PROOF
△	DELTA
#	NUMBER
∅	PHASE(S)

ELECTRICAL CONVENTIONS



LIGHTING SYMBOL LEGEND

(ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS)

GENERAL

	NO HATCH INDICATES NORMAL POWER LIGHT FIXTURE
	HALF SOLID INDICATES EGRESS LIGHT WITH EMERGENCY BATTERY
	DOWNLIGHT FIXTURE
	2X2 LIGHT FIXTURE
	2X4 LIGHT FIXTURE
	4 FEET STRIP LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE
	EMERGENCY LIGHT FIXTURE
	CLG MTD EXIT LIGHT - SHADING INDICATEDS NUMBER OF FACES. ARROWS INDICATE ORIENTATION
	WALL MTD EXIT LIGHT - SHADING INDICATEDS NUMBER OF FACES. ARROWS INDICATE ORIENTATION
	POLE MOUNTED SITE LIGHTING FIXTURE
	BOLLARD LIGHT FIXTURE

LIGHTING CONTROL LEGEND

(ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS)

GENERAL

$^a	- SUPERSCRIPT DENOTES FIXTURE BEING CONTROLLED - K - KEY OPERATED SWITCH - T- TIMER SWITCH - 3 - THREE WAY SWITCH - WP - WEATHERPROOF SWITCH
PC	PHOTOCELL (MATCH CONTACTOR COIL VOLTAGE AS REQUIRED)
$	TOGGLE SWITCH - SPST
TC	DIGITAL PROGRAMMABLE TIME CLOCK
$OS	WALL MOUNTED OCCUPANCY SENSOR / SWITCH
$VS	WALL MOUNTED VACANCY SENSOR / SWITCH
$VSD	WALL MOUNTED VACANCY SENSOR / DIMMER SWITCH
$LV	WALL MOUNTED LOW VOLTAGE PUSH BUTTON / KEY PAD
$LVD	WALL MOUNTED LOW VOLTAGE DIMMER SWITCH
VS	CEILING MOUNTED VACANCY SENSOR
OS	CEILING MOUNTED OCCUPANCY SENSOR
DS	CEILING MOUNTED DAY LIGHT SENSOR

ELECTRICAL SYMBOL LEGEND

(ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS)

$M	MOTOR RATED SWITCH WITHOUT OVERLOAD PROTECTION
J	JUNCTION BOX
PB	PULLBOX
	TELEPOWER/COMMUNICATIONS POLE
	CEILING MOUNTED DUPLEX RECEPTACLE, NEMA 5-20R
CT	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED 6" ABOVE COUNTERTOP
CT	GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNTED 6" ABOVE COUNTERTOP
WP	GFCI DUPLEX RECEPTACLE, NEMA 5-20R IN WEATHER PROOF ENCLOSURE
	QUADRUPLEX RECEPTACLE, NEMA 5-20R
E	EMERGENCY POWER DUPLEX RECEPTACLE, NEMA 5-20R, RED COLOR FINISH
E	CEILING MTD EMERGENCY POWER DUPLEX RECEPTACLE, PROVIDE RED OUTLET AND COVERPLATE

ELECTRICAL SYMBOL LEGEND

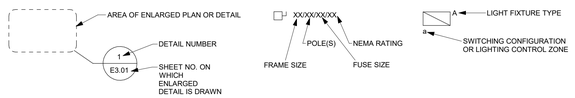
(ALL SYMBOLS MAY NOT APPEAR ON DRAWINGS)

	DUPLEX RECEPTACLE, NEMA 5-20R
TR	TAMPER RESISTANT DUPLEX RECEPTACLE, NEMA 5-20R
IG	ISOLATED GROUND DUPLEX RECEPTACLE, NEMA 5-20R, ORANGE COLOR FINISH
	DUPLEX RECEPTACLE, NEMA 5-20R, PROTECTED BY GFCI BREAKER
	SPECIAL PURPOSE RECEPTACLE - WALL MOUNTED
	FLOOR BOX OR POKE THROUGH DEVICE
	DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT SPECIAL HEIGHT, REFER TO THE ARCHITECTURAL ELEVATION
	GFCI DUPLEX RECEPTACLE, NEMA 5-20R, MOUNT AT SPECIAL HEIGHT, REFER TO THE ARCHITECTURAL ELEVATION
	QUAD. RECEPTACLE, NEMA 5-20R, MOUNT AT SPECIAL HEIGHT, REFER TO THE ARCHITECTURAL ELEVATION
E	EMERGENCY POWER DUPLEX RECEPTACLE, MOUNT AT SPECIAL HEIGHT, REFER TO THE ARCHITECTURAL ELEVATION
IG	ISOLATED GROUND DUPLEX RECEPTACLE, MOUNT AT SPECIAL HEIGHT, REFER TO THE ARCHITECTURAL ELEVATION
	DUPLEX RECEPTACLE PROTECTED BY GFCI BREAKER, MOUNT AT SPECIAL HEIGHT, REFER TO THE ARCHITECTURAL ELEVATION
W	TELECOMMUNICATIONS WALL MTD OUTLET WITH MINIMUM 1"C. TO ABOVE CEILING, 48" AFF TO CENTER
	TELECOMMUNICATIONS/DATA WALL OUTLET WITH MINIMUM 1" C. TO ABOVE CEILING 18" TO CENTER UNO
	CEILING MTD VOICE/DATA DEVICE
	TELECOMMUNICATIONS TERMINAL BOARD
TV	TELEVISION DEVICE JUNCTION BOX WITH 1" C. TO ABOVE ACCESSIBLE CEILING
	MOTOR
30/3/1	NON-FUSED DISCONNECT SWITCH (AMPS/POLES/NEMA RATING)
30/3/25/3R	FUSED DISCONNECT SWITCH (AMPS/POLES/FUSE RATING/NEMA RATING)
30/3/25/3R/00	COMBINATION DISCONNECT SWITCH/MOTOR STARTER (AMPS/POLES/FUSE RATING/NEMA RATING/STARTER SIZE)
VFD	VARIABLE FREQUENCY DRIVE
	ELECTRICAL PANEL (SURFACE OR FLUSH MOUNTED AS NOTED ON PANEL SCHEDULE AND DRAWINGS)
	MISC. CONTROL PANEL (SURFACE OR FLUSH MOUNTED AS NOTED ON DRAWINGS)
T	TRANSFORMER
	PUSH BUTTON MTD AT 48" TO CENTER UNO
	GROUND BAR
	WIREMOLD, NEMA 5-20R RECEPTACLE 24" O.C. UNO
	CEILING MOUNTED CAMERA
	CEILING MOUNTED SPEAKER
M	METER (ELEC. ONE-LINE)
SPD	SURGE PROTECTION DEVICE (ONE-LINE)
	TRANSFORMER (ELEC. ONE-LINE)
	GROUND OR GROUND ROD AS NOTED ON PLAN / DRAWING
EPO	EMERGENCY POWER OFF PUSHBUTTON WITH COVER
CR	CARD READER AT 48" AFF TO CENTER, UNO
DR	DOOR RELEASE SWITCH AT 48" AFF TO CENTER, UNO

NOTES:

1) STANDARD MOUNTING HEIGHT FOR ALL POWER, DATA/VOICE OUTLETS SHALL BE 18" AF.F. TO CENTER OF DEVICE, U.N.O.
2) RECEPTACLE WITH SUBSCRIPT 'IG' SHALL BE ISOLATED GROUND RECEPTACLES.
3) STANDARD MOUNTING HEIGHT FOR ALL LIGHT SWITCH, WALL SENSOR, TIMER AND PUSH BUTTON WILL BE 48" A.F.F TO CENTER OF DEVICE, U.N.O.

GRAPHIC SYMBOLS



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GENERAL POWER NOTES

A. REFER TO ARCHITECTURAL PLANS, ELEVATIONS AND DETAILS FOR EXACT LOCATION OF ALL WIRING DEVICES.

B. ALL ELECTRICAL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL LOCAL, STATE CODES.

C. ALL FLOOR CUTTINGS SHALL BE COORDINATED WITH STRUCTURAL DRAWINGS FOR RESTRICTIONS. COORDINATE WITH STRUCTURE ENGINEER AND GENERAL CONTRACTOR.

D. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN CODE REQUIRED MINIMUM CLEARANCES AROUND ELECTRICAL EQUIPMENT FOR WORKING SPACE, DEDICATED SPACE, ACCESSIBILITY FOR MAINTENANCE AND OPERATION.

E. MECHANICAL EQUIPMENT WILL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR. THE LOCATION SHOWN ON ELECTRICAL DRAWINGS ARE APPROXIMATE. REFER TO MECHANICAL DRAWINGS AND COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION OF EACH PIECE OF EQUIPMENT AND DETERMINE EXACT ROUGH-IN AND CONNECTION REQUIREMENTS.

F. ELECTRICAL CONTRACTOR SHALL MAKE ALL ELECTRICAL POWER CONNECTIONS TO HVAC, PLUMBING, KITCHEN AND OTHER EQUIPMENT AS REQUIRED.

G. PROVIDE TAMPER-RESISTANT REECEPTACLES IN APPLICABLE AREAS PER NEC 406.12.

H. ALL RECEPTACLES SHALL BE LABELED WITH ELECTRICAL PANEL NAME AND THE CIRCUIT FEEDING THEM.

I. PROVIDE A TYPED DIRECTORY IN ALL PANELBOARDS CLEARLY DESCRIBING THE LOCATION OF AND TYPE OF LOAD BEING SERVED FOR ALL CIRCUITS. PROVIDE ENGRAVED PHENOLIC NAMEPLATES FOR ALL PANELBOARDS AND DISCONNECT SWITCHES.

J. MINIMUM 20A BRANCH CIRCUIT SHALL BE 2#12, #12G, 3/4"C AND 2#10, #10G, 3/4" C FOR 30A BRANCH CIRCUIT. ALL CONDUCTORS SHALL BE COPPER, 75 DEGREE C, TYPE THHN/THWN EXCEPT WHERE OTHERWISE REQUIRED BY SPECIFICATION OR CODES.

K. ALL 120V CIRCUITS LONGER THAN 70 FEET SHALL BE #10 AWG AND 277V CIRCUITS LONGER THAN 150 FEET SHALL BE #10 AWG UNLESS NOTED OTHERWISE.

L. ALL RECEPTACLES LOCATED WITH 6 FEET OF EDGE OF SINK SHALL BE GFCI TYPE. EACH GFCI RECEPTACLE SHALL BE INSTALLED SO THAT IT WILL NOT TRIP OTHER RECEPTACLES FED FROM SAME CIRCUIT. FEED-THROUGH GFCI OUTLET IS NOT ALLOWED.

M. WHERE THE RECEPTACLES ARE SHOWN BACK-TO-BACK ON A COMMON FIRE RATED WALL, OFFSET THE TWO BOXES AT LEAST 24 INCHES HORIZONTAL DISTANCE PER CODE.

N. PROVIDE A PULLWIRE FOR ALL EMPTY CONDUITS.

O. ALL EXTERIOR AND ROOF MOUNTED RECEPTACLES SHALL BE GFCI TYPE AND EQUIPPED WITH LISTED "EXTRA DUTY" WEATHERPROOF IN-USE COVER PER NEC.

P. ALL ELECTRICAL EQUIPMENT SHALL BE RAINTIGHT (NEMA 3R) WHERE EXPOSED TO THE WEATHER. ALL FLEX CONDUITS CONNECTED TO SUCH EQUIPMENT SHALL BE LIQUIDTIGHT.

Q. ALL CIRCUITS SHALL BE PROVIDED WITH INDEPENDENT GROUND AND NEUTRAL WIRES. NO MULTIWIRE (SHARED NEUTRAL) BRANCH CIRCUITS SHALL BE PERMITTED.

R. PROVIDE FIRE RETARDANT U.L. APPROVED SEALANT ON ALL PENETRATIONS, WALLS, AND STRUCTURAL SLABS. IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO VERIFY PRIOR TO SUBMITTING BID, THE LOCATIONS OF ALL SUCH FIRE RATED PARTITIONS, WALLS AND STRUCTURAL SLABS.

S. WHERE CORE DRILLING OF FLOORS/WALLS IS REQUIRED, THE CONTRACTOR SHALL SEAL OPENINGS WATERTIGHT AFTER UTILITIES HAVE BEEN INSTALLED. LOCATION OF CORED HOLES SHALL COORDINATE WITH LOCATION OF EQUIPMENT IN A MANNER THAT IS CLEAN AND FUNCTIONAL.

T. ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT, BACKBOX ROUGH-IN AND RELATED ELECTRICAL WORK FOR ALL PHONE/DATA, CARD READER, ELECTRIC DOOR STRIKE, PUSH-PLATES, HOLD OPEN DEVICES, ETC. REFER TO THE ARCHITECTURAL DRAWINGS, LOW VOLTAGE, SECURITY VENDOR'S DRAWINGS FOR EXACT DEVICE LOCATION. ALL LOW VOLTAGE WIRING SHALL BE BY LOW VOLTAGE CONTRACTOR.

U. IT SHALL NOT BE THE INTENT OF THESE PLANS AND/OR SPECIFICATIONS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR SHALL BE EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM AND PROVIDE ALL REQUIREMENTS NECESSARY FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER. IT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO PROVIDE ALL LABOR, MATERIALS AND SUPERVISION NECESSARY TO ACCOMPLISH THE WORK.

V. ELECTRICAL CONTRACTOR SHALL COORDINATE THEIR WORK WITH ALL OTHER CONTRACTORS AND TRADES BEFORE INSTALLATION OF THEIR WORK IN CHASES, CEILING SPACES AND OTHER AREAS WHERE CONFLICT MAY OCCUR.

W. IN OTHER THAN ONE OR TWO-FAMILY DWELLING UNITS, PROVIDE LABELS OF AVAILABLE FAULT CURRENT WITH DATE CALCULATION ON ALL SWITCHGEAR, SWITCHBOARD, PANELBOARD ENCLOSURES PER NEC ARTICLES 110.24, 408.6.

X. ARC-FLASH HAZARD WARNING LABELS SHALL BE PROVIDED AND APPLIED TO SWITCHBOARD, PANELBOARDS, MOTOR CONTROL CENTER, DISCONNECT SWITCHES AND EQUIPMENT CONTROLLERS PER NEC ARTICLE 110.16. THE LABEL SHALL BE PERMANENTLY AFFIXED TO THE EQUIPMENT AND SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. ALSO, FOR SERVICE EQUIPMENT RATED 1,200 AMPS OR MORE NOT SERVING DWELLING UNIT, THE LABEL SHALL CONTAIN THE FOLLOWING INFORMATION:

- NOMINAL SYSTEM VOLTAGE.
- AVAILABLE FAULT CURRENT AT THE SERVICE OVERCURRENT PROTECTIVE DEVICES.
- THE CLEARING TIME OF SERVICE OVERCURRENT PROTECTIVE DEVICES BASED ON THE AVAILABLE FAULT CURRENT AT THE SERVICE EQUIPMENT.
- THE DATE THE LABEL WAS APPLIED.

AA. NEW CIRCUIT BREAKERS INSTALLED IN EXISTING PANELBOARDS SHALL BE OF THE SAME MANUFACTURER AND MATCH THE SHORT CIRCUIT RATING (AIC) AS THE PANELBOARD.

BB. ELECTRICAL CONTRACTOR SHALL UPDATE AS-BUILT DRAWINGS WITH THE EXACT CIRCUIT NUMBERS USED AND PROVIDE TYPEWRITTEN DIRECTORY CARD INSIDE PANELBOARD REFLECTING THE CORRECTION INSTALLATION. ALL UNUSED EXISTING SPARE CIRCUITS SHALL BE IDENTIFIED. ALL SPARE BREAKERS SHALL BE TURNED TO THE "OFF" POSITION AND LABEL 'SPARE'.

GENERAL LIGHTING NOTES

A. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND ELEVATION FOR EXACT LOCATION OF ALL LIGHT FIXTURES. COORDINATE LIGHT FIXTURES WITH GRILLES, DIFFUSERS, CEILING MOUNTED FIRE ALARM DEVICES, SECURITY DEVICES, SPRINKLER HEADS AND ACCESS PANELS, ETC. TO AVOID CONFLICTS. PROVIDE FIXTURE MOUNTING BRACKETS, ACCESSORIES, PLASTER FRAMES, ETC. SUITABLE FOR CEILING TYPES INDICATED ON THE ARCHITECTURAL REFLECTED CEILING PLANS.

B. ELECTRICAL CONTRACTOR SHALL NOTIFY THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES BETWEEN LIGHTING PLANS AND REFLECTED CEILING PLANS RELATING TO QUANTITY, TYPE AND LOCATION OF LIGHT FIXTURES.

C. GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IF CONFLICTS OCCUR BETWEEN LIGHTING PLAN AND ANY OTHER TRADES. DO NOT PROCEED WITH THE INSTALLATION IN THAT AREA UNTIL THE CONFLICT HAS BEEN RESOLVED TO THE SATISFACTION OF THE ARCHITECT AND ENGINEER.

D. IN AREAS INDICATED TO HAVE OCCUPANCY SENSOR FOR LIGHTING CONTROL, IT SHALL BE THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH LIGHTING CONTROL MANUFACTURER AND REPRESENTATIVE AND PROVIDE ALL REQUIRED POWER PACKS, SENSORS, AND CONTROLLER QUANTITY. LOCATE AND AIM THE SENSOR OR PHOTOCELL FOR A COMPLETE AND PROPER AREA COVERAGE IN ACCORDANCE WITH DEVICE MANUFACTURER'S RECOMMENDATIONS. WHERE CEILING MOUNTED SENSORS ARE SHOWN WITH WALL SWITCHES FOR CONTROL OF THE SAME AREA, CONTROLS TO INCLUDE LOW-VOLTAGE SENSOR, LOW-VOLTAGE SWITCH AND LOW-VOLTAGE POWER PACK (WITH 0-10V DIMMING). PROVIDE SHOP DRAWINGS WITH DEVICE LAYOUT AND SYSTEM FOR ENGINEER TO REVIEW. PRIOR TO FINAL SITE INSPECTION, LIGHTING CONTROL VENDOR SHALL PROVIDE EVIDENCE THAT THE LIGHTING CONTROL SYSTEM HAS BEEN TESTED TO ENSURE PROPER CALIBRATION, ADJUSTMENT, PROGRAMMING AND OPERATION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENT AND MANUFACTURER'S INSTRUCTION PER IECC SECTION 408.3 REQUIREMENT.

E. CONNECT ALL UNDER-CABINET LIGHT FIXTURES TO RECEPTACLE CIRCUIT BELOW COUNTERTOP UNLESS OTHERWISE INDICATED ON PLAN.

F. LOW VOLTAGE LIGHTING AND TRANSFORMERS SHALL BE PROVIDED WITH INTERNAL PRIMARY AND SECONDARY FUSING PER NEC.

G. FOR ALL LIGHT FIXTURES WITH EMERGENCY BATTERY PACK, THE BATTERY SHALL BE RATED FOR A FULL 90 MINUTE BACKUP WITH INTEGRAL TEST BUTTON.

H. ALL EXIT SIGNS, EMERGENCY UNITS, BATTERY / INVERTER POWERED LIGHTS LOCATED IN PUBLIC CORRIDOR, STAIRWELL, OR EGRESS PATH SHALL NOT BE SWITCHED.

GENERAL DEMOLITION NOTES

A. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS FOR EXTENT OF DEMOLITION WORK.

B. DEMOLITION DRAWINGS ARE BASED ON EXISTING PLANS AND FIELD INVESTIGATION PRIOR TO DEMOLITION. CONTACTOR SHALL VISIT THE SITE BEFORE BIDDING IN ORDER TO BECOME FAMILIAR WITH THE EXISTING CONDITIONS AND AVOID CONFLICTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THE PLANS AND THE JOB SITE CONDITION AND TAKE THOSE DISCREPANCIES INTO ACCOUNT WHEN BIDDING OR SUBMIT BIDDING PROPOSAL.

C. ELECTRICAL CONTRACTOR SHALL COORDINATE SERVICE INTERRUPTION WITH THE OWNER, ARCHITECT, UTILITY COMPANY AND SHALL NOT INTERRUPT POWER WITHOUT THE OWNER/ARCHITECT'S PERMISSION.

D. LOCATE ALL EXISTING UTILITIES PRIOR TO STARTING THE WORK. PROTECT EXISTING UTILITIES FROM DAMAGE.

E. DEVICES, LIGHTS SHOWN IN A SOLID LINE OR MARKED 'EX' ARE EXISTING TO REMAIN AND SHALL REMAIN CONNECTED TO THEIR ORIGINAL CIRCUITS UNLESS NOTED OTHERWISE. NOT ALL EXISTING DEVICES AND LIGHTS ARE NECESSARY SHOWN ON THE DEMOLITION PLANS, CONTRACTOR TO FIELD VERIFY.

F. DEVICES, LIGHTS SHOWN IN A DASHED LINETYPE OR MARKED 'D' ARE EXISTING TO BE DEMOLISHED. WHERE ITEMS ARE REMOVED, REMOVE ALL ASSOCIATED WIRING, CONDUITS, BOXES, FASTENERS, ETC. BACK TO J-BOXES ABOVE CEILING OR BACK TO PANELBOARDS UNLESS NOTED OTHERWISE.

G. REMOVE ALL EXISTING POWER, VOICE/DATA AND SPECIAL SYSTEM OUTLETS IN DEMOLITION WALLS AND RENOVATED AREA WITH ASSOCIATED WIRING AND CONDUITS BACK TO NEAREST CEILING JUNCTION BOXES OR PANELBOARDS.

H. RELOCATE EXISTING LIGHT FIXTURES, LIGHT SWITCHES IF AFFECTED BY INSTALLATION OF NEW WALL AND RECONNECT TO EXISTING LIGHTING CIRCUIT.

I. REMOVE ALL FLOOR MOUNTED RECEPTACLES LOCATED IN THE DEMOLITION AREA, GROUT OF HOLES.

J. REMOVE ALL CONDUIT, BOXES LEFT EXPOSED BY REMOVAL OF WALLS AND CEILINGS IN REMODELED AREAS.

K. WHERE REMOVED ITEM RESULTS IN DISCONTINUATION OF POWER TO DOWNSTREAM DEVICES, THE CONTRACTOR SHALL PROVIDE ALL NECESSARY REWIRING SO THAT THE EXISTING SYSTEM REMAINS IN GOOD OPERATION. RELOCATE EXISTING ELECTRICAL POWER OR LIGHTING EQUIPMENT OR SYSTEMS AS REQUIRED THAT INTERFERE WITH THEW NEW WORK AND TO ACCOMMODATE THE WORK OF OTHER TRADES. ELECTRICAL DEVICES, LIGHTS, EQUIPMENTS AND SYSTEMS LOCATED IN AREAS OUTSIDE THE AREA OF WORK SHALL REMAIN IN SERVICE UNLESS OTHERWISE NOTED.

L. ELECTRICAL CONTRACTOR SHALL IDENTIFY ALL CIRCUITS FREED BY DEMOLITION FOR RE-USE IN RENOVATED AREAS IF APPLICABLE.

M. COORDINATE WITH OWNER FOR DISPOSITION OF ALL REMOVED ELECTRICAL ITEMS. EXERCISE CARE IN REMOVAL OF DEMOLITION ITEMS. REPAIR AT NO ADDITIONAL COST TO THE OWNER, ANY DAMAGE CAUSED TO EXISTING CONSTRUCTION AND/OR EQUIPMENT TO REMAIN.

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PROJECT ADDRESS

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KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE

ELECTRICAL GENERAL NOTES

SHEET NUMBER

E0.02

CAMPOS ENGINEERING

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Project Number: D24-3447.00

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SITE DEMOLITION SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C	DISCONNECT AND REMOVE EXISTING EXTERIOR LIGHTS AND REPLACE WITH NEW L.E.D.
D	ALL NEW INSTALLATION AND PRODUCTS MUST MEET AND COMPLY WITH ADOPTED ELECTRICAL, INTERNATIONAL ENERGY CONSERVATION CODES AND LATEST DISD TECHNICAL DESIGN GUIDELINES.

KEYNOTES

1	DISCONNECT AND REMOVE EXISTING SURFACED SOFFIT LIGHT FIXTURE AND REPLACE WITH NEW LED LIGHT. RETAIN EXISTING AND WIRING CIRCUIT TO FEED NEW LED LIGHT.
2	DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE MOUNTED ON POLE AND REPLACE WITH NEW LED LIGHT. RETAIN EXISTING CONCRETE BASE AND WIRING CIRCUIT TO FEED NEW LED LIGHT. PROVIDE NEW POLE MOUNTED LIGHT FIXTURE AT SAME LOCATION AS EXISTING.
3	DISCONNECT AND REMOVE EXISTING MARQUISE SIGN. REMOVE EXISTING WIRING AND CONDUIT BACK TO SOURCE ELECTRICAL PANEL. TURN OFF BREAKER AND LABEL 'SPARE'
4	DISCONNECT AND REMOVE EXISTING WALL MOUNTED LIGHT FIXTURE AND REPLACE WITH NEW LED LIGHT.

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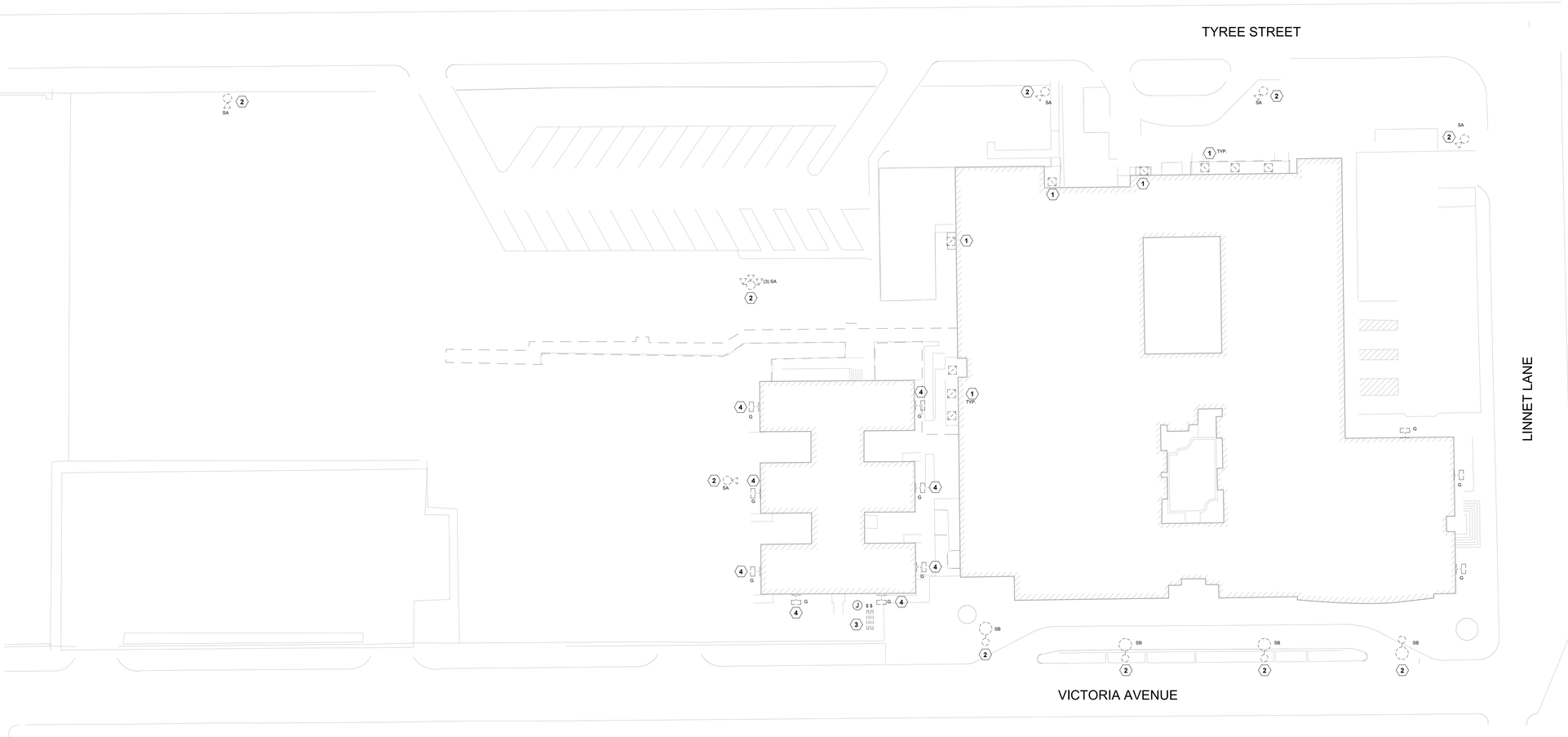

1" = 12'-0"

DEMOLITION SITE PLAN | B5

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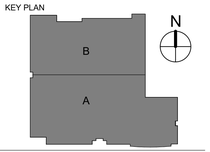

SHEET TITLE

DEMOLITION SITE PLAN

SHEET NUMBER

ED2.01

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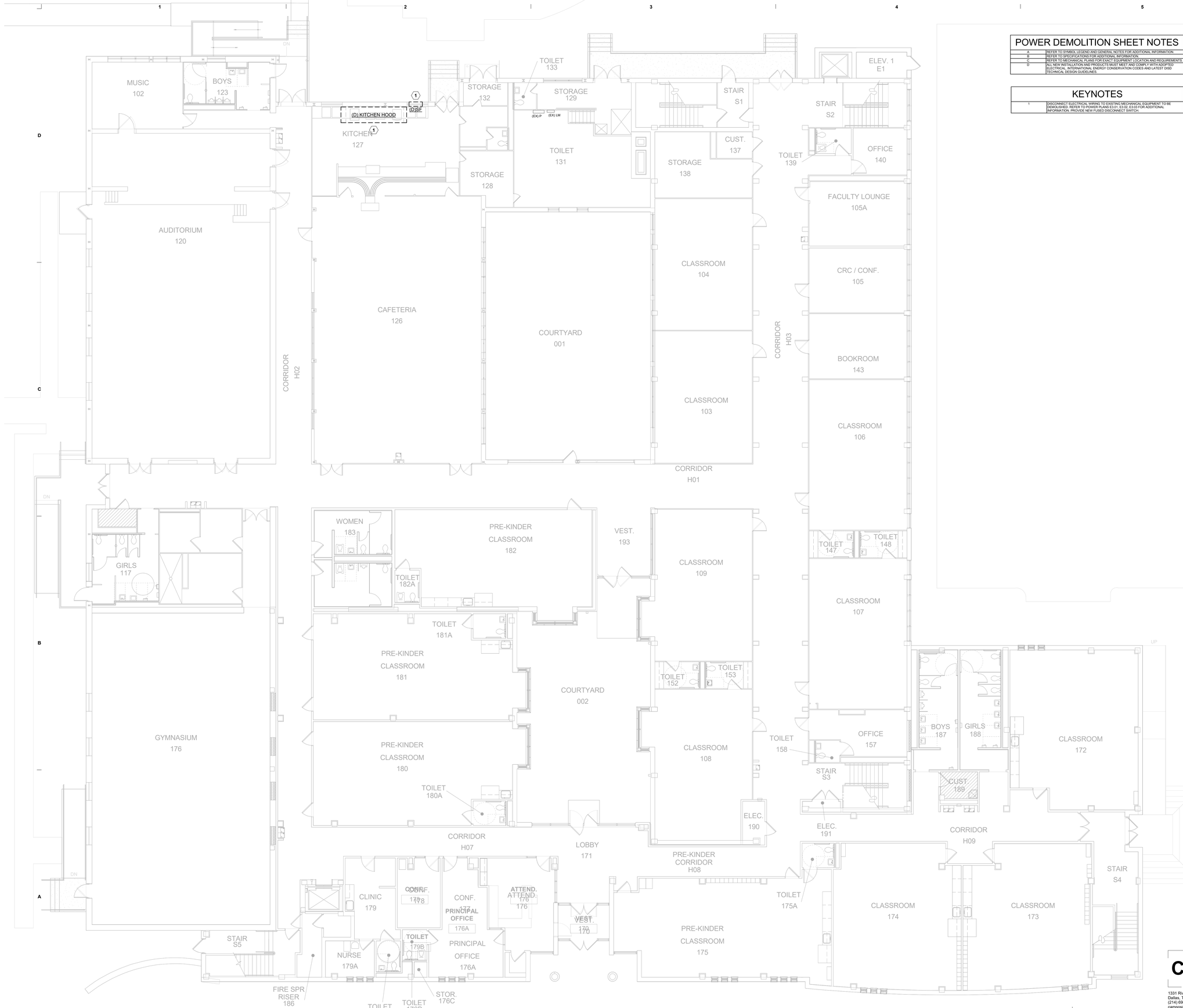

1/8" = 1'-0"

DEMOLITION LEVEL 1 POWER PLAN | A5

POWER DEMOLITION SHEET NOTES

A	REFER TO SYMBOL, LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C	REFER TO MECHANICAL PLANS FOR EXACT EQUIPMENT LOCATION AND REQUIREMENTS.
D	ALL NEW INSTALLATION AND PRODUCTS MUST MEET AND COMPLY WITH ADOPTED ELECTRICAL, INTERNATIONAL ENERGY CONSERVATION CODES AND LATEST DISD TECHNICAL DESIGN GUIDELINES.

KEYNOTES

1	DISCONNECT ELECTRICAL WIRING TO EXISTING MECHANICAL EQUIPMENT TO BE DEMOLISHED. REFER TO POWER PLANS E3.01, E3.02, E3.03 FOR ADDITIONAL INFORMATION. PROVIDE NEW FUSED DISCONNECT SWITCH.

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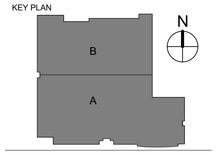
KEY PLAN



SHEET TITLE

DEMOLITION LEVEL 1 POWER PLAN

SHEET NUMBER

ED3.01

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POWER DEMOLITION SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C	REFER TO MECHANICAL PLANS FOR EXACT EQUIPMENT LOCATION AND REQUIREMENTS.
D	ALL NEW INSTALLATION AND PRODUCTS MUST MEET AND COMPLY WITH ADOPTED ELECTRICAL, INTERNATIONAL ENERGY CONSERVATION CODES AND LATEST DISD TECHNICAL DESIGN GUIDELINES.

KEYNOTES

1	DISCONNECT ELECTRICAL WIRING TO EXISTING MECHANICAL EQUIPMENT TO BE DEMOLISHED. REFER TO POWER PLANS E3.01, E3.02, E3.03 FOR ADDITIONAL INFORMATION. PROVIDE NEW FUSED DISCONNECT SWITCH.

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1/8" = 1'-0"

DEMOLITION LEVEL 2 POWER PLAN | A5

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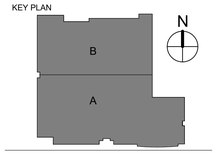

SHEET TITLE
DEMOLITION LEVEL 2 POWER PLAN

SHEET NUMBER
ED3.02

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LIGHTING DEMOLITION SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C	ALL NEW INSTALLATION AND PRODUCTS MUST MEET AND COMPLY WITH ADOPTED ELECTRICAL, INTERNATIONAL ENERGY CONSERVATION CODES AND LATEST DISD TECHNICAL DESIGN GUIDELINES.

KEYNOTES

1	ALTERNATE #3: DISCONNECT AND REMOVE ALL EXISTING LIGHT FIXTURES AND ALL ASSOCIATED LIGHT SWITCHES AND OCCUPANCY SENSORS. RETAIN AND EXTEND EXISTING CIRCUIT FOR NEW LED LIGHTS.
2	DISCONNECT AND REMOVE ALL EXISTING LIGHT FIXTURES INCLUDING EMERGENCY LIGHTS AND EXIT SIGNS (LIGHTS SHOWN IN DASH-LINE WEIGHT) AND ALL ASSOCIATED LIGHT SWITCHES AND OCCUPANCY SENSORS. RETAIN AND EXTEND EXISTING CIRCUIT FOR NEW LED LIGHTS.

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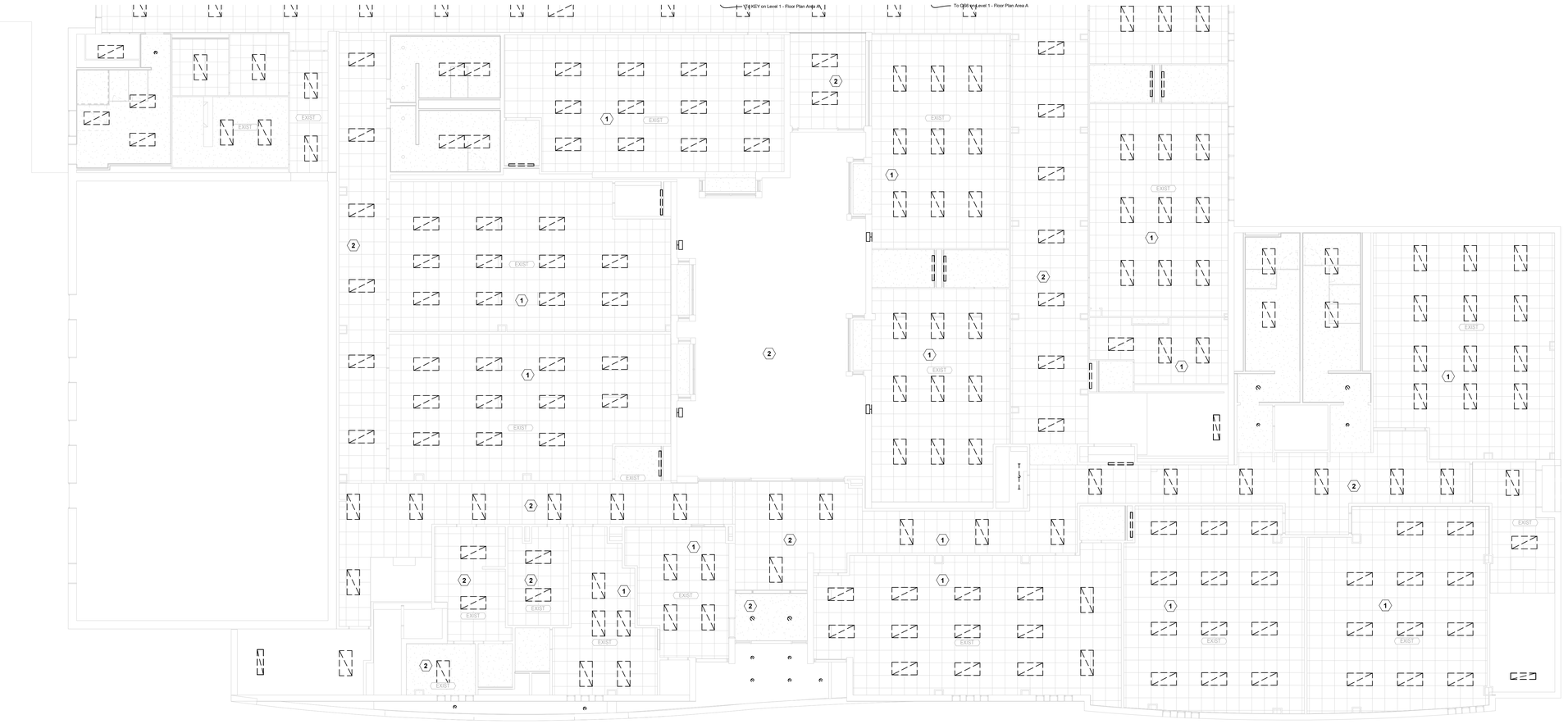

1/8" = 1'-0"

DEMOLITION LEVEL 1 LIGHTING PLAN A | B5

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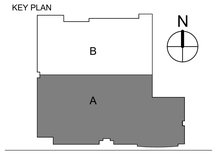

SHEET TITLE
DEMOLITION LEVEL 1 LIGHTING PLAN A

SHEET NUMBER
ED5.01

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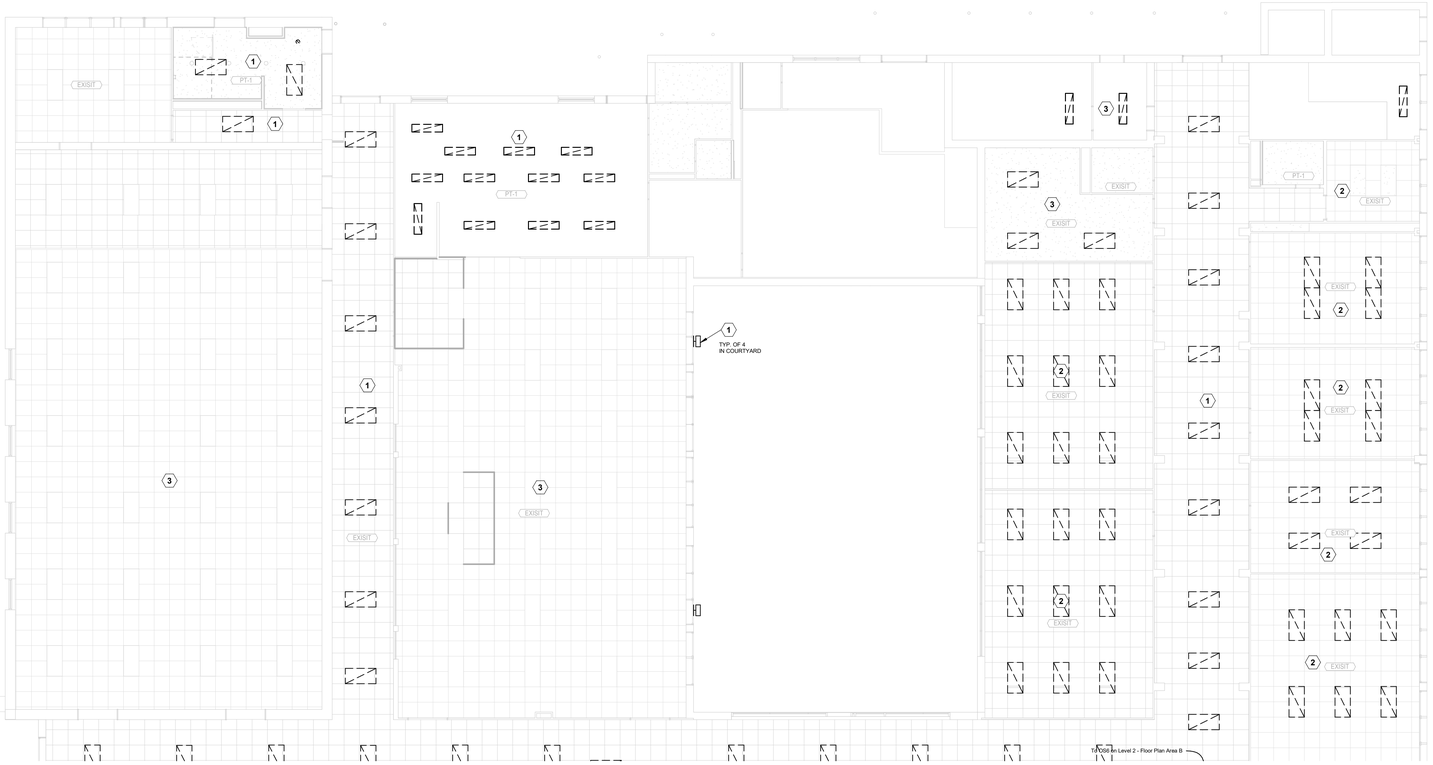

1/8" = 1'-0"

DEMOLITION LEVEL 1 LIGHTING PLAN B | B5

LIGHTING DEMOLITION SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C	ALL NEW INSTALLATION AND PRODUCTS MUST MEET AND COMPLY WITH ADOPTED ELECTRICAL, INTERNATIONAL ENERGY CONSERVATION CODES AND LATEST DISD TECHNICAL DESIGN GUIDELINES.

KEYNOTES

1	DISCONNECT AND REMOVE ALL EXISTING LIGHT FIXTURES INCLUDING EMERGENCY LIGHTS AND EXIT SIGNS (LIGHTS SHOWN IN DASHLINE WEIGHT) AND ALL ASSOCIATED LIGHT SWITCHES AND OCCUPANCY SENSORS. RETAIN AND EXTEND EXISTING CIRCUIT FOR NEW LED LIGHTS.
2	ALTERNATE #3: DISCONNECT AND REMOVE ALL EXISTING LIGHT FIXTURES AND ALL ASSOCIATED LIGHT SWITCHES AND OCCUPANCY SENSORS. RETAIN AND EXTEND EXISTING CIRCUIT FOR NEW LED LIGHTS.
3	EXISTING LIGHTS AND CONTROLS TO REMAIN IN THIS ROOM.

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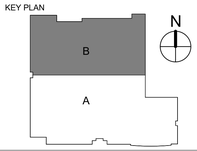

SHEET TITLE

DEMOLITION LEVEL 1 LIGHTING PLAN B

SHEET NUMBER

ED5.02

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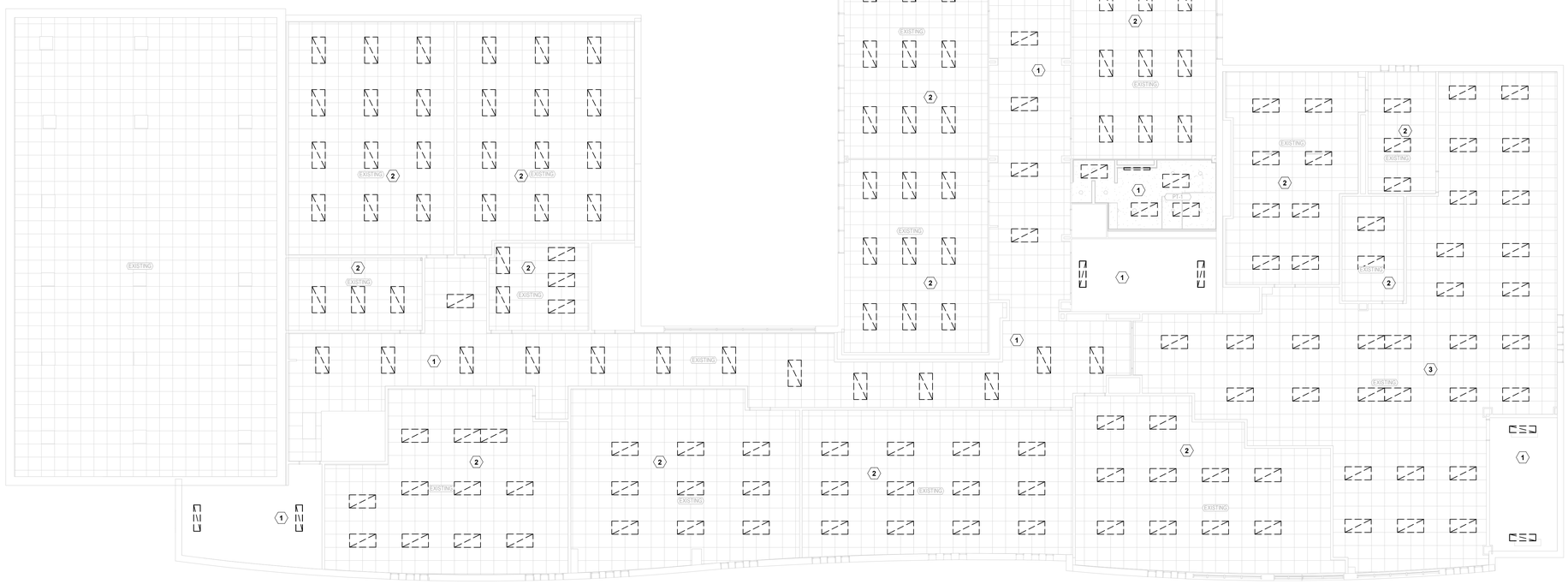

1/8" = 1'-0"

DEMOLITION LEVEL 2 LIGHTING PLAN A | B5

LIGHTING DEMOLITION SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C	ALL NEW INSTALLATION AND PRODUCTS MUST MEET AND COMPLY WITH ADOPTED ELECTRICAL, INTERNATIONAL ENERGY CONSERVATION CODES AND LATEST DISD TECHNICAL DESIGN GUIDELINES.

KEYNOTES

1	DISCONNECT AND REMOVE ALL EXISTING LIGHT FIXTURES INCLUDING EMERGENCY LIGHTS AND EXIT SIGNS (LIGHTS SHOWN IN DASHLINE WEIGHT) AND ALL ASSOCIATED LIGHT SWITCHES AND OCCUPANCY SENSORS. RETAIN AND EXTEND EXISTING CIRCUIT FOR NEW LED LIGHTS.
2	ALTERNATE #1: DISCONNECT AND REMOVE ALL EXISTING LIGHT FIXTURES AND ALL ASSOCIATED LIGHT SWITCHES AND OCCUPANCY SENSORS. RETAIN AND EXTEND EXISTING CIRCUIT FOR NEW LED LIGHTS.
3	EXISTING LIGHTS AND CONTROLS TO REMAIN IN THIS ROOM.

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PROJECT NAME

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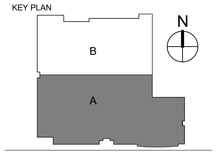
PROJECT ADDRESS

6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN



SHEET TITLE

DEMOLITION LEVEL 2 LIGHTING PLAN A

SHEET NUMBER

ED5.03

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LIGHTING DEMOLITION SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C	ALL NEW INSTALLATION AND PRODUCTS MUST MEET AND COMPLY WITH ADOPTED ELECTRICAL, INTERNATIONAL ENERGY CONSERVATION CODES AND LATEST DISD TECHNICAL DESIGN GUIDELINES.

KEYNOTES

1	DISCONNECT AND REMOVE ALL EXISTING LIGHT FIXTURES INCLUDING EMERGENCY LIGHTS AND EXIT SIGNS (LIGHTS SHOWN IN DASH-LINE WEIGHT) AND ALL ASSOCIATED LIGHT SWITCHES AND OCCUPANCY SENSORS. RETAIN AND EXTEND EXISTING CIRCUIT FOR NEW LED LIGHTS.
2	ALTERNATE #3: DISCONNECT AND REMOVE ALL EXISTING LIGHT FIXTURES AND ALL ASSOCIATED LIGHT SWITCHES AND OCCUPANCY SENSORS. RETAIN AND EXTEND EXISTING CIRCUIT FOR NEW LED LIGHTS.
3	EXISTING LIGHTS AND CONTROLS TO REMAIN IN THIS ROOM.

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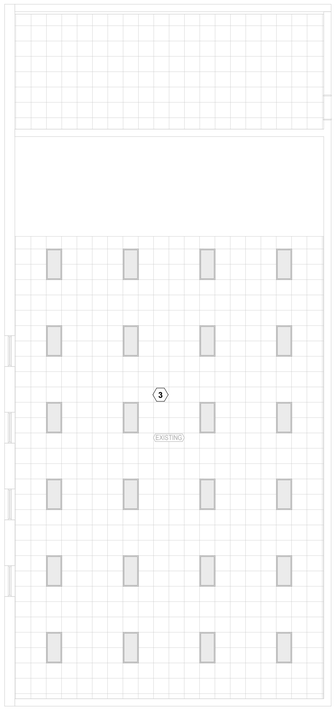

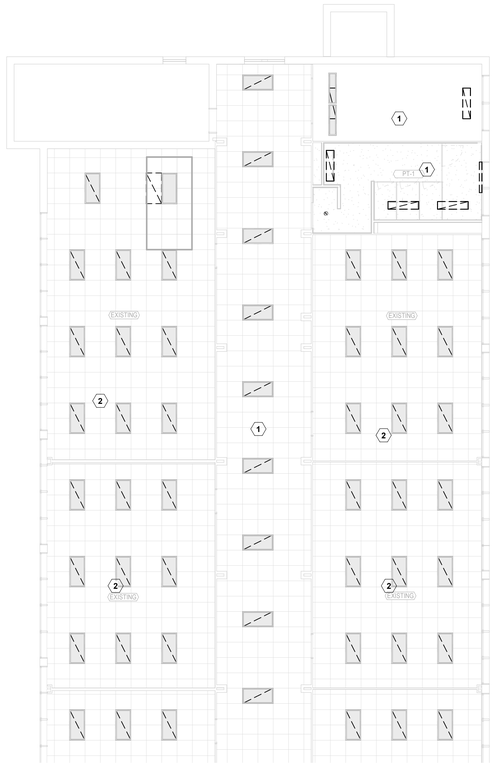

1/8" = 1'-0"

DEMOLITION LEVEL 2 LIGHTING PLAN B | B5

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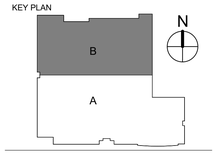
KEY PLAN



SHEET TITLE
DEMOLITION LEVEL 2 LIGHTING PLAN B

SHEET NUMBER
ED5.04

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LIGHTING DEMOLITION SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C	ALL NEW INSTALLATION AND PRODUCTS MUST MEET AND COMPLY WITH ADOPTED ELECTRICAL, INTERNATIONAL ENERGY CONSERVATION CODES AND LATEST DISD TECHNICAL DESIGN GUIDELINES.

KEYNOTES

	ALTERNATE #3: DISCONNECT AND REMOVE ALL EXISTING LIGHT FIXTURES AND ALL ASSOCIATED LIGHT SWITCHES AND OCCUPANCY SENSORS. RETAIN AND EXTEND EXISTING CIRCUIT FOR NEW LED LIGHTS.
1	ALTERNATE #3: DISCONNECT AND REMOVE ALL EXISTING LIGHT FIXTURES AND ALL ASSOCIATED LIGHT SWITCHES AND OCCUPANCY SENSORS. RETAIN AND EXTEND EXISTING CIRCUIT FOR NEW LED LIGHTS.
2	DISCONNECT AND REMOVE ALL EXISTING LIGHT FIXTURES INCLUDING EMERGENCY LIGHTS AND EXIT SIGNS (LIGHTS SHOWN IN DASHLINE WEIGHT) AND ALL ASSOCIATED LIGHT SWITCHES AND OCCUPANCY SENSORS. RETAIN AND EXTEND EXISTING CIRCUIT FOR NEW LED LIGHTS.

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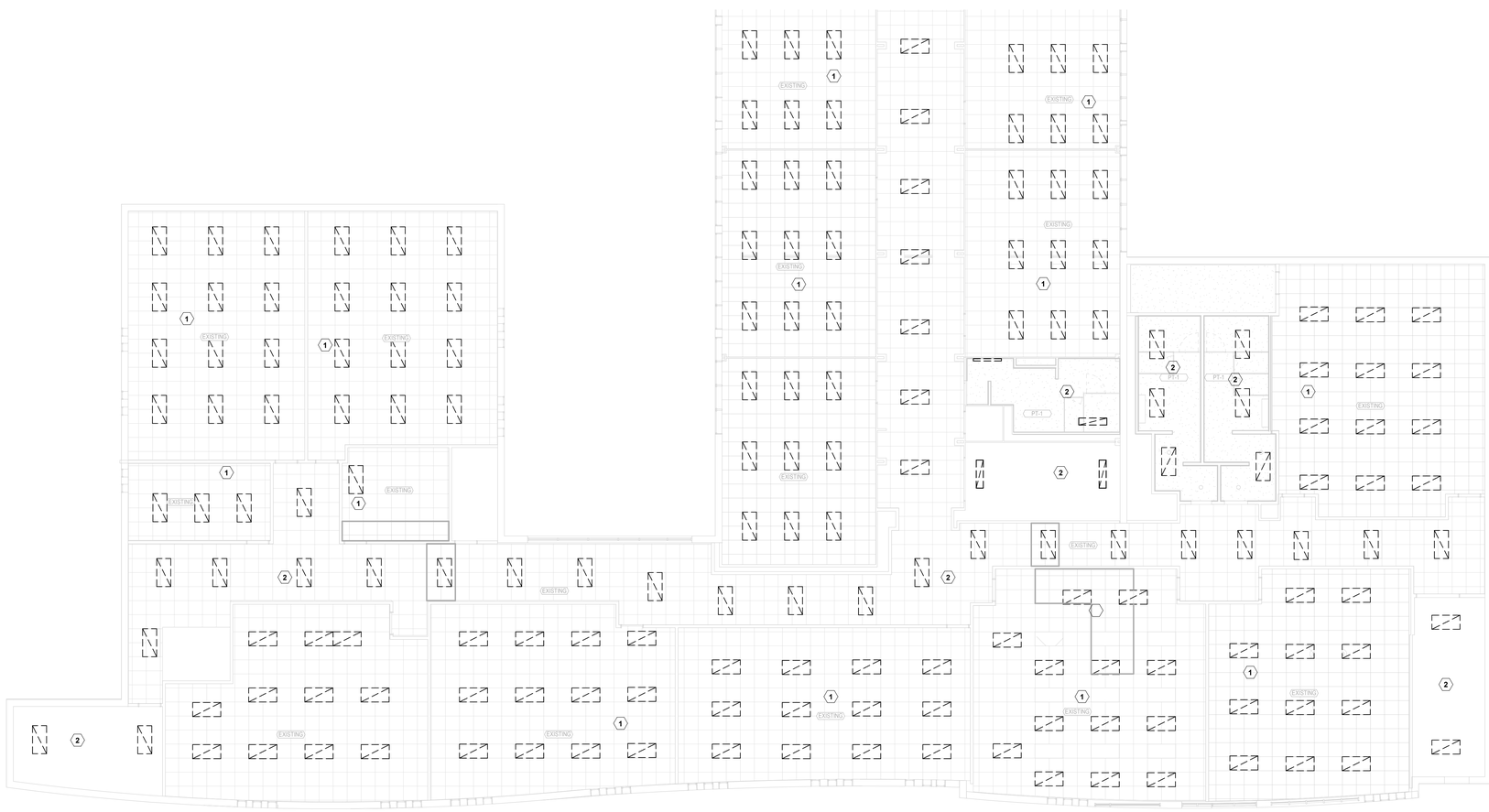

1/8" = 1'-0"

DEMOLITION LEVEL 3 LIGHTING PLAN A | B5

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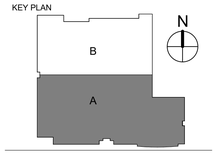
KIRKSEY PROJECT NO. 2023351

KEY PLAN



SHEET TITLE
DEMOLITION LEVEL 3 LIGHTING PLAN A

SHEET NUMBER
ED5.05

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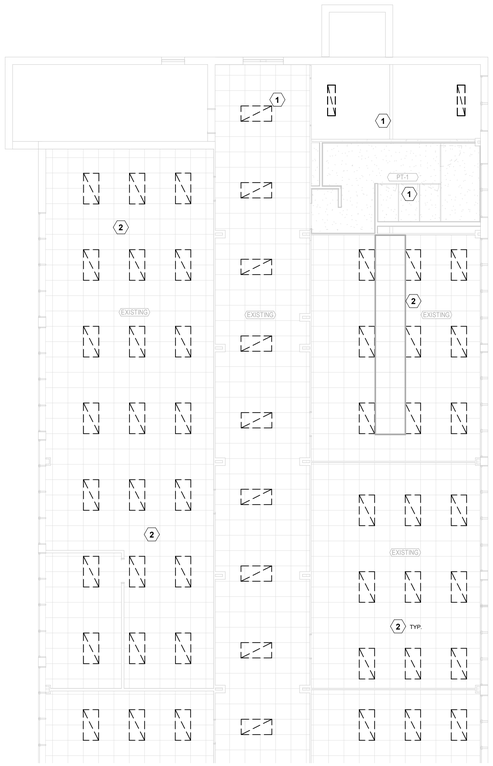
LIGHTING DEMOLITION SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C	ALL NEW INSTALLATION AND PRODUCTS MUST MEET AND COMPLY WITH ADOPTED ELECTRICAL, INTERNATIONAL ENERGY CONSERVATION CODES AND LATEST DISD TECHNICAL DESIGN GUIDELINES.

KEYNOTES

1	DISCONNECT AND REMOVE ALL EXISTING LIGHT FIXTURES INCLUDING EMERGENCY LIGHTS AND EXIT SIGNS (LIGHTS SHOWN IN DASH-LINE WEIGHT) AND ALL ASSOCIATED LIGHT SWITCHES AND OCCUPANCY SENSORS. RETAIN AND EXTEND EXISTING CIRCUIT FOR NEW LED LIGHTS.
2	ALTERNATE #3: DISCONNECT AND REMOVE ALL EXISTING LIGHT FIXTURES AND ALL ASSOCIATED LIGHT SWITCHES AND OCCUPANCY SENSORS. RETAIN AND EXTEND EXISTING CIRCUIT FOR NEW LED LIGHTS.

AREA RESERVED FOR CITY OF DALLAS PERMIT STAMP



1/8" = 1'-0"

DEMOLITION LEVEL 3 LIGHTING PLAN B | B5

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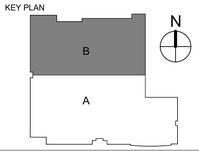

SHEET TITLE

DEMOLITION LEVEL 3 LIGHTING PLAN B

SHEET NUMBER

ED5.06

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1331 River Bend Drive
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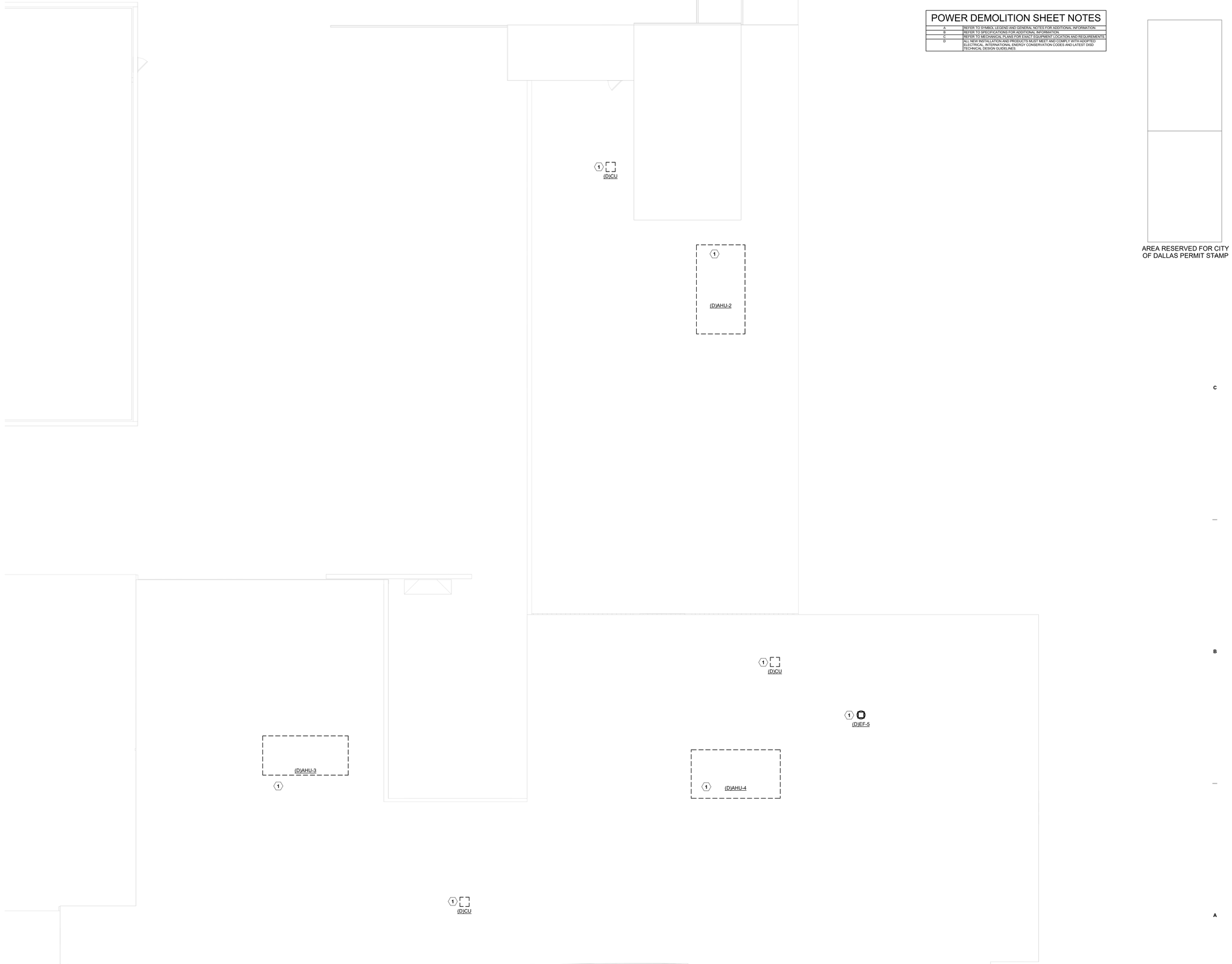

POWER DEMOLITION SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C	REFER TO MECHANICAL PLANS FOR EXACT EQUIPMENT LOCATION AND REQUIREMENTS.
D	ALL NEW INSTALLATION AND PRODUCTS MUST MEET AND COMPLY WITH ADOPTED ELECTRICAL, INTERNATIONAL ENERGY CONSERVATION CODES AND LATEST DISD TECHNICAL DESIGN GUIDELINES.

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1/8" = 1'-0"

DEMOLITION ROOF PLAN | A5

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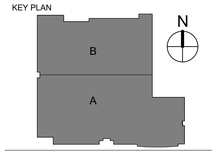
KEY PLAN



SHEET TITLE

DEMOLITION ROOF PLAN

SHEET NUMBER

ED7.01

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SITE SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C	ELECTRICAL CONTRACTOR TO VERIFY EXISTING SITE AND EQUIPMENT CONDITIONS PRIOR TO ANY WORK BEING PERFORMED.
D	ALL NEW INSTALLATION AND PRODUCTS MUST MEET AND COMPLY WITH ADOPTED ELECTRICAL, INTERNATIONAL ENERGY CONSERVATION CODES AND LATEST DISD TECHNICAL DESIGN GUIDELINES.
F	SAW CUT AND PATCH CONCRETE/ASPHALT AS REQUIRED TO INSTALL NEW LIGHTING CIRCUITS ON SITE. COORDINATE CONDUIT ROUTING WITH OWNER PRIOR TO INSTALLATION.
G	REFER TO SHEETS E10.01 THRU E10.04 FOR LIGHTING CONTROL DETAILS.

KEYNOTES

1	REPLACE EXISTING LIGHT FIXTURES ON POLE WITH NEW LED LIGHTS. PROVIDE HARDWARE AND MODIFICATIONS REQUIRED TO MOUNT NEW LIGHT FIXTURE ON THE EXISTING POLE AND ARM. CONTRACTOR TO COORDINATE WITH LIGHTING VENDOR IN ADVANCE, IF NEW LIGHT LIGHT CANNOT BE MOUNTED ON THE EXISTING POLE. REPLACE EXISTING POLE WITH NEW POLE COMPLETELY. CONTRACTOR TO VERIFY ROUTING FOR NEW CIRCUIT TO POLE FIXTURES IN FIELD. CONNECT TO EXISTING POLE BASE CONDUITS THAT ARE BELOW GRADE TO COMPLETE CONNECTIONS TO THE EXISTING POLES. ROUTE WIRING INSIDE EXISTING POLE TO NEW POLE MOUNTED FIXTURE. COMPLETE ALL CONNECTIONS AS REQUIRED.
2	SITE LIGHTING AND EXTERIOR LIGHTS SHALL BE CONTROLLED THROUGH nLIGHT RELAY PANEL. ADD NEW CIRCUIT TO ALTERNATE EVERY OTHER PARKKING LOT LIGHT FOR 50% OFF NOT LATER THAN MIDNIGHT TO NOT NOT EARLIER THAN 6 AM. REFER TO E10.01 FOR MORE INFORMATION.
3	REPLACE EXISTING MARQUEE SIGN. PROVIDE 1"C FOR ETHERNET CELLULAR MODEM PER DISD GUIDELINES. TERMINATE CONDUIT TO THE PRINCIPAL'S OFFICE. COORDINATE FINAL LOCATION. PROVIDE (2) 20A, 120V DEDICATED CIRCUIT TO EACH NEW SIGN IN 1" CONDUIT WITH 2#10, 1#10G. PROVIDE LOCKABLE DISCONNECT FOR EACH SIGN LOCATION.
4	REPLACE EXISTING RECESSED SOFFIT LIGHTS WITH LED LIGHT. CONNECT NEW LIGHTS TO EXISTING LIGHTING CIRCUIT.
5	REPLACE EXISTING WALL MOUNTED FLOOD LIGHT WITH LED LIGHT. CONNECT NEW LIGHTS TO EXISTING LIGHTING CIRCUIT.
6	PROVIDE COPPER GROUND ROD 3/4" X 10' AT EACH SIDE OF THE MARQUEE SIGN FOR GROUNDING AND BOND GROUND ROD TO SIGNAGE WITH #10 COPPER GROUND WIRE. COORDINATE WITH MARQUEE INSTALLER FOR ADDITIONAL INFORMATION.

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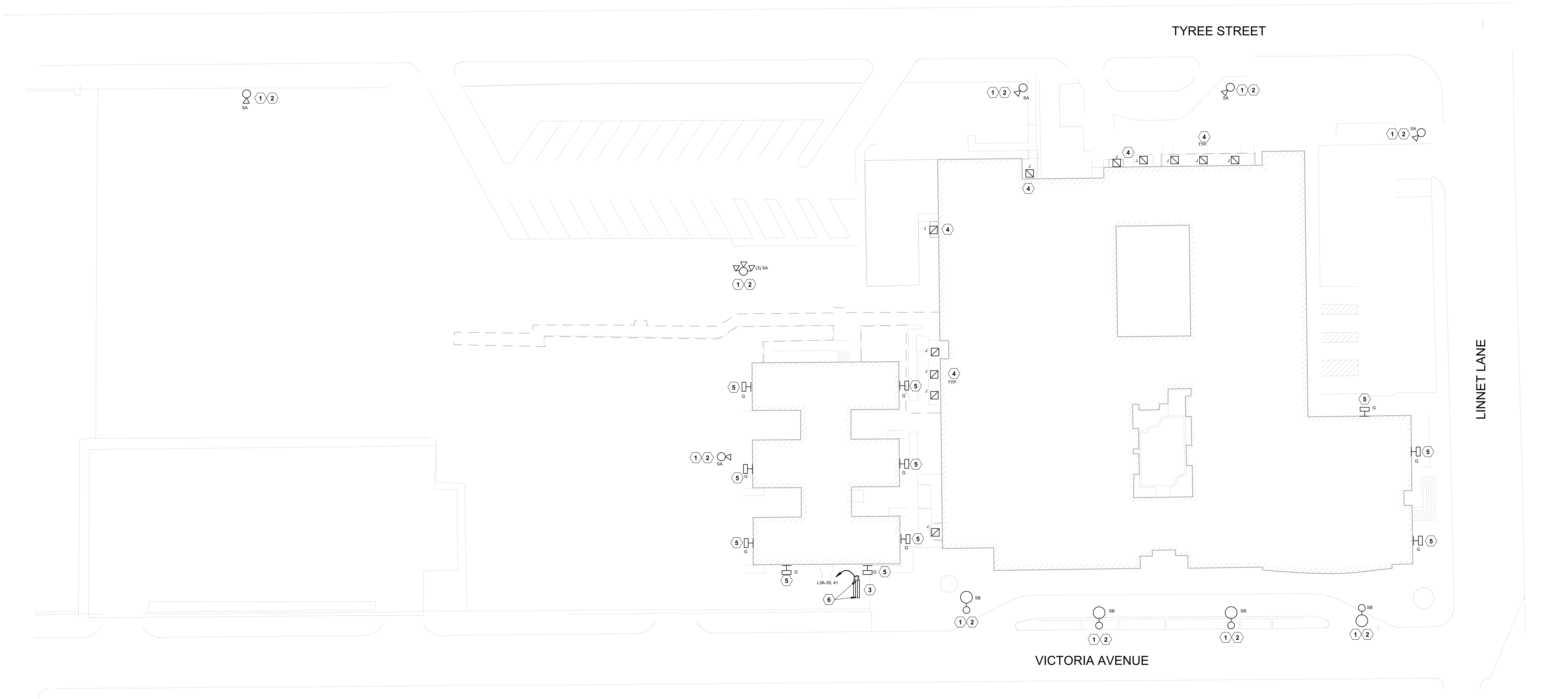

1" = 12' 0"

SITE LIGHTING PLAN | B5

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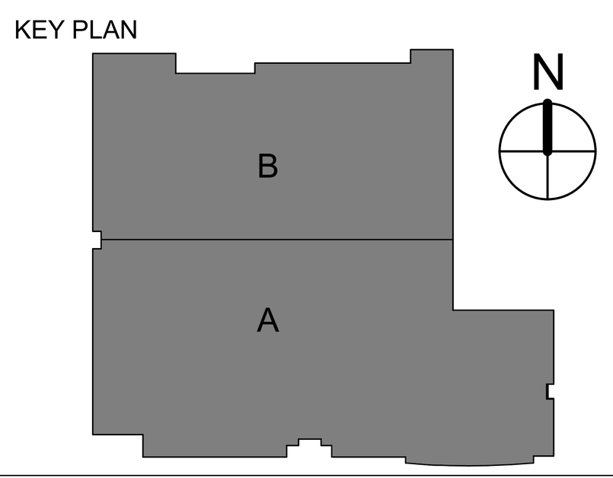

SHEET TITLE

SITE LIGHTING PLAN

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Registration No: F-001731
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E2.01

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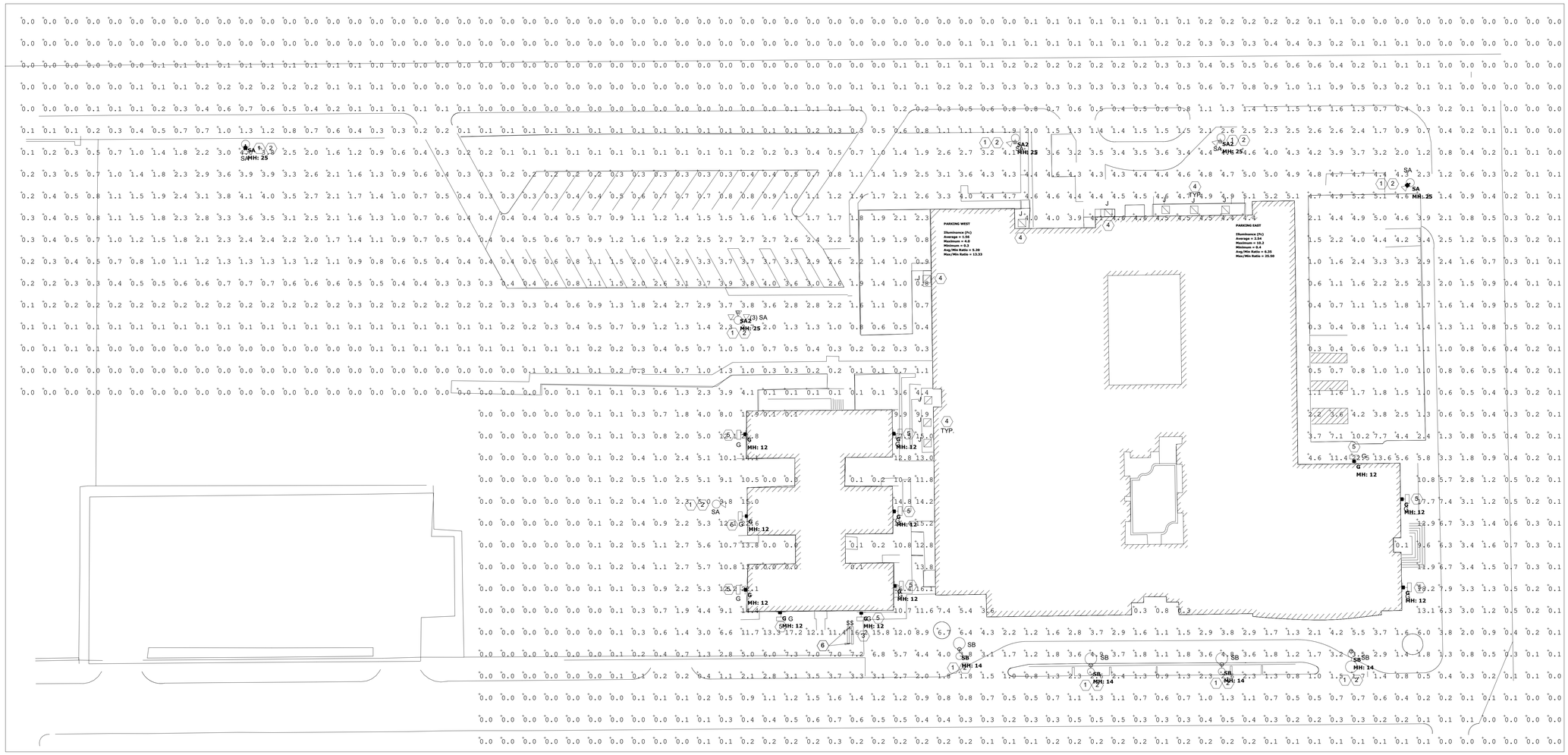

Luminaire Schedule								
Symbol	Type	Qty	Manufacturer / Catalog Number	Total Lumen Output	Total Input Watts	Ballast Factor	Light Lost Factor	User Defined Factor
	G	11	LITHONIA WDGE4 LED P2 70CRI RFT 40K VOLT MOUNT	16134	109.02	1.000	0.850	1.000
	SA	2	LITHONIA DSX1 LED P9 40K 80CRI	27043	277.07	1.000	0.850	1.000
	SA2	3	LITHONIA DSX1 LED P9 40K 80CRI T3M HS MVOLT [MOUNTING] / SNS 25 40 7 AB [FINISH]	26760	277.07	1.000	0.850	1.000
	SB	4	LITHONIA RAD1 LED P3 40K ASY T2M HS MVOLT [MOUNTING] / SNS 25 40 7 AB [FINISH]	7359	53.618	1.000	0.850	1.000

Calculation Summary						
Calculation Grid Location	Calc. Height (Ft.)	Units	Avg	Max	Min	Avg/Min
GRADE_Planar	0	Fc	1.45	22.6	0.0	N.A.
PARKING EAST		Fc	2.54	10.2	0.4	6.35
PARKING WEST		Fc	1.56	4.0	0.3	5.20

1" = 12'-0"

SITE LIGHTING PLAN - PHOTOMETRIC | B5

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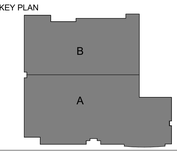
KIRKSEY PROJECT NO. 2023351

KEY PLAN



SHEET TITLE

SITE LIGHTING PLAN - PHOTOMETRIC

SHEET NUMBER

E2.02

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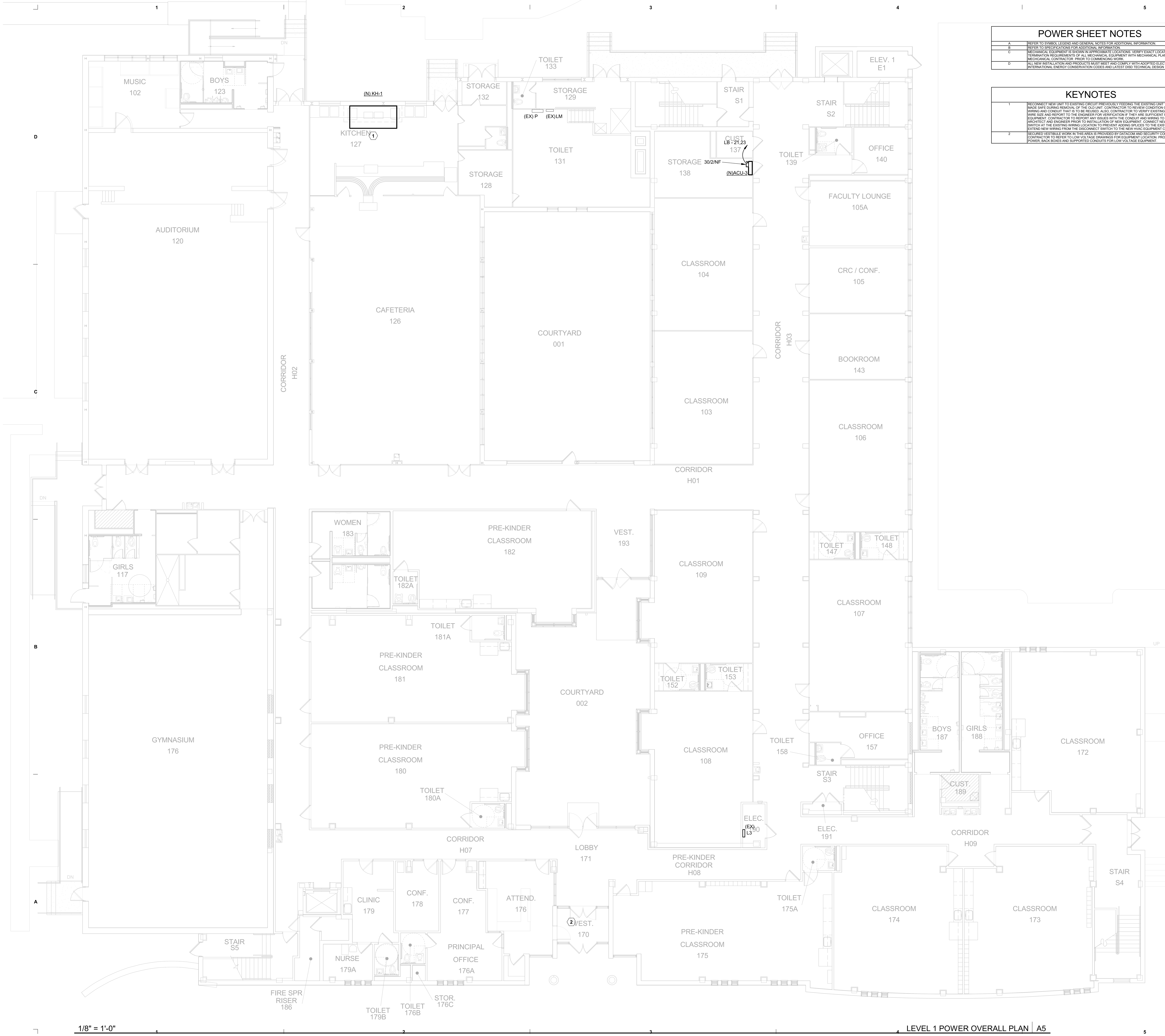

1/8" = 1'-0"

LEVEL 1 POWER OVERALL PLAN | A5

POWER SHEET NOTES	
A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C	MECHANICAL EQUIPMENT IS SHOWN IN APPROXIMATE LOCATIONS. VERIFY EXACT LOCATIONS AND TERMINATION REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL PLANS AND MECHCANICAL CONTRACTOR PRIOR TO COMMENCING WORK.
D	ALL NEW INSTALLATION AND PRODUCTS MUST MEET AND COMPLY WITH ADOPTED ELECTRICAL, INTERNATIONAL ENERGY CONSERVATION CODES AND LATEST DISD TECHNICAL DESIGN GUIDELINES.

KEYNOTES	
1	RECONNECT NEW UNIT TO EXISTING CIRCUIT PREVIOUSLY FEEDING THE EXISTING UNIT THAT WAS MADE SAFE DURING REMOVAL OF THE OLD UNIT. CONTRACTOR TO REVIEW CONDITION OF EXISTING WIRING AND CONDUIT THAT IS TO BE REUSED. ALSO, CONTRACTOR TO VERIFY EXISTING CONDUIT AND WIRE SIZE AND REPORT TO THE ENGINEER FOR VERIFICATION IF THEY ARE SUFFICIENT FOR NEW EQUIPMENT. CONTRACTOR TO REPORT ANY ISSUES WITH THE CONDUIT AND WIRING TO THE ARCHITECT AND ENGINEER PRIOR TO INSTALLATION OF NEW EQUIPMENT. CONNECT NEW DISCONNECT SWITCH AT THE EXISTING WIRING LOCATION TO PREVENT ADDING SPLICES TO THE EXISTING WIRING. EXTEND NEW WIRING FROM THE DISCONNECT SWITCH TO THE NEW HVAC EQUIPMENT CONTROLS.
2	SECURED VESTIBULE WORK IN THIS AREA IS PROVIDED BY DATACOM AND SECURITY CONSULTANT. CONTRACTOR TO REFER TO LOW VOLTAGE DRAWINGS FOR EQUIPMENT LOCATION. PROVIDE REQUIRED POWER, BACK BOXES AND SUPPORTED CONDUITS FOR LOW VOLTAGE EQUIPMENT.

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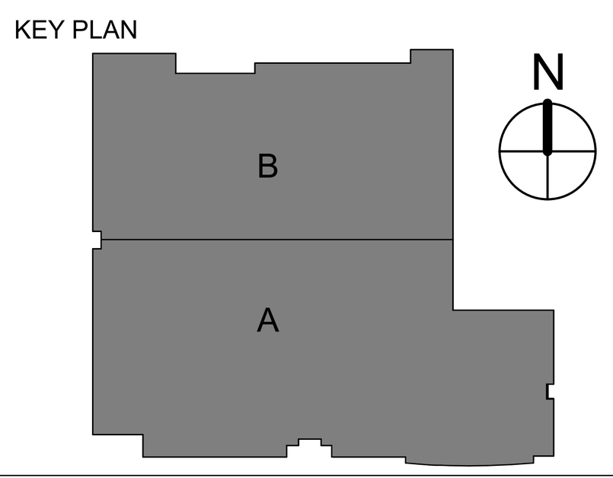
KIRKSEY PROJECT NO. 2023351

KEY PLAN



SHEET TITLE
LEVEL 1 POWER OVERALL PLAN

SHEET NUMBER
E3.01

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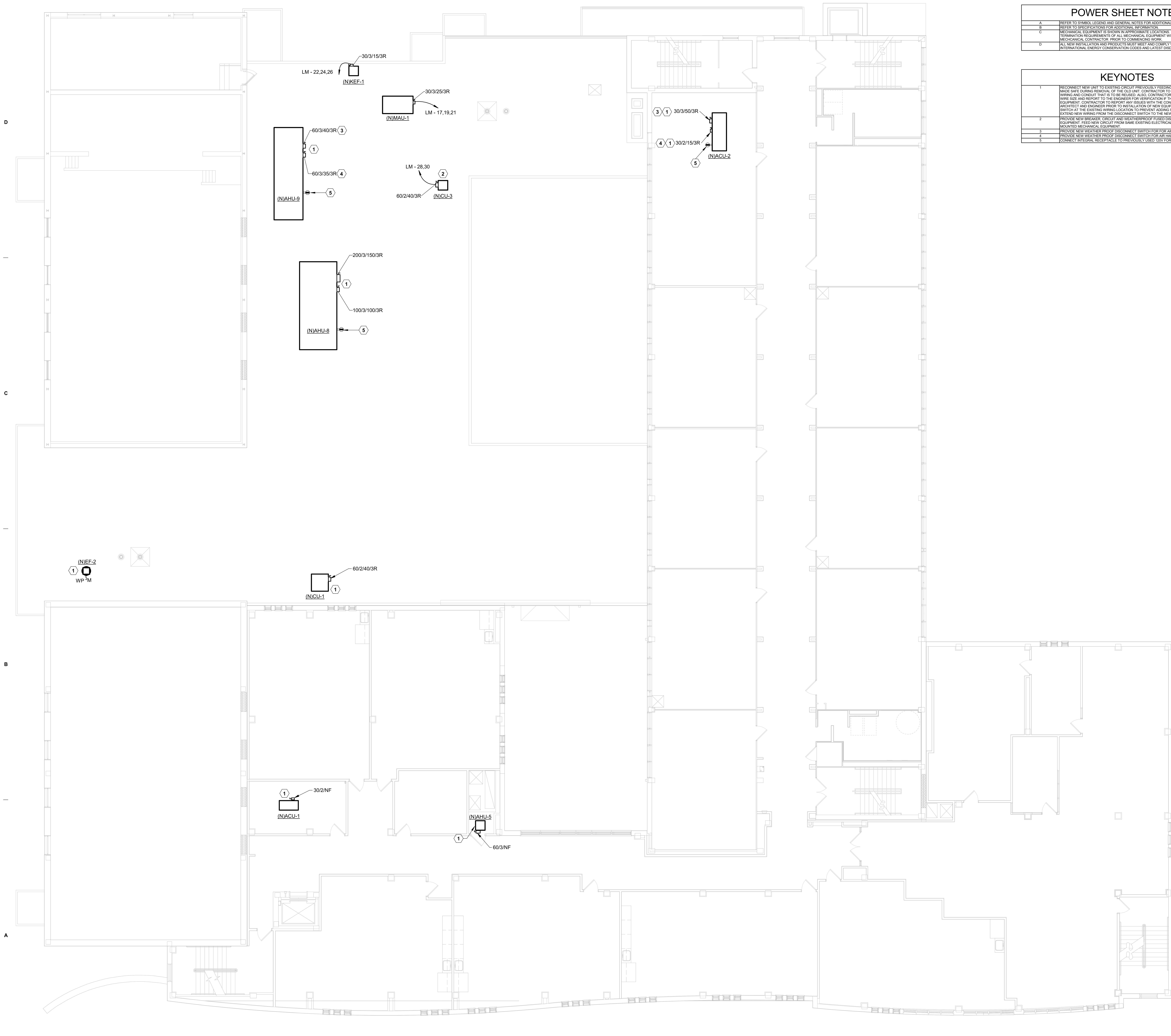

1/8" = 1'-0"

LEVEL 2 POWER OVERALL PLAN | A5

POWER SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C	MECHANICAL EQUIPMENT IS SHOWN IN APPROXIMATE LOCATIONS. VERIFY EXACT LOCATIONS AND TERMINATION REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL PLANS AND MECHCANICAL CONTRACTOR PRIOR TO COMMENCING WORK.
D	ALL NEW INSTALLATION AND PRODUCTS MUST MEET AND COMPLY WITH ADOPTED ELECTRICAL, INTERNATIONAL ENERGY CONSERVATION CODES AND LATEST DISD TECHNICAL DESIGN GUIDELINES.

KEYNOTES

1	RECONNECT NEW UNIT TO EXISTING CIRCUIT PREVIOUSLY FEEDING THE EXISTING UNIT THAT WAS MADE SAFE DURING REMOVAL OF THE OLD UNIT. CONTRACTOR TO REVIEW CONDITION OF EXISTING WIRING AND CONDUIT THAT IS TO BE REUSED. ALSO, CONTRACTOR TO VERIFY EXISTING CONDUIT AND WIRE SIZE AND REPORT TO THE ENGINEER FOR VERIFICATION IF THEY ARE SUFFICIENT FOR NEW EQUIPMENT. CONTRACTOR TO REPORT ANY ISSUES WITH THE CONDUIT AND WIRING TO THE ARCHITECT AND ENGINEER PRIOR TO INSTALLATION OF NEW EQUIPMENT. CONNECT NEW DISCONNECT SWITCH AT THE EXISTING WIRING LOCATION TO PREVENT ADDING SPLICES TO THE EXISTING WIRING. EXTEND NEW WIRING FROM THE DISCONNECT SWITCH TO THE NEW HVAC EQUIPMENT CONTROLS.
2	PROVIDE NEW BREAKER, CIRCUIT AND WEATHERPROOF FUSED DISCONNECT SWITCH TO SERVE NEW EQUIPMENT. FEED NEW CIRCUIT FROM SAME EXISTING ELECTRICAL PANEL SERVING NEAR BY ROOF MOUNTED MECHANICAL EQUIPMENT.
3	PROVIDE NEW WEATHER PROOF DISCONNECT SWITCH FOR FOR AIR HANDLER UNIT ELECTRIC HEATER.
4	PROVIDE NEW WEATHER PROOF DISCONNECT SWITCH FOR AIR HANDLER UNIT.
5	CONNECT INTEGRAL RECEPTACLE TO PREVIOUSLY USED 120V FOR EXISTING RECEPTACLE.

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PROJECT NAME
Org 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS
6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN
N
B
A

SHEET TITLE
LEVEL 2 POWER OVERALL PLAN

CAMPOS
ENGINEERING
1331 River Bend Drive
Dallas, Texas 75247
(214) 696-6291
campos@camposengineering.com
Registration No: F-001731
Project Number: D24-3447.00

SHEET NUMBER
E3.02

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POWER SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C	MECHANICAL EQUIPMENT IS SHOWN IN APPROXIMATE LOCATIONS. VERIFY EXACT LOCATIONS AND TERMINATION REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL PLANS AND MECHANICAL CONTRACTOR PRIOR TO COMMENCING WORK.
D	ALL NEW INSTALLATION AND PRODUCTS MUST MEET AND COMPLY WITH ADOPTED ELECTRICAL, INTERNATIONAL ENERGY CONSERVATION CODES AND LATEST DISD TECHNICAL DESIGN GUIDELINES.

KEYNOTES

1	CONNECT TO AVAILABLE CIRCUIT IN PANEL L3 IN ELECTRICAL ROOM 333.

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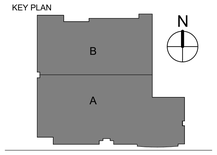
KEY PLAN



SHEET TITLE

LEVEL 3 POWER OVERALL PLAN

SHEET NUMBER

E3.03

CAMPOS ENGINEERING

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1/8" = 1'-0"

LEVEL 3 POWER OVERALL PLAN | A5

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LIGHTING SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C	ALL NEW INSTALLATION AND PRODUCTS MUST MEET AND COMPLY WITH ADOPTED ELECTRICAL, INTERNATIONAL ENERGY CONSERVATION CODES AND LATEST DISD TECHNICAL DESIGN GUIDELINES.
D	PROVIDE ON/OFF TOGGLE SWITCH IN MECHANICAL AND ELECTRICAL ROOMS.

KEYNOTES

1	PROVIDE NEW LIGHTING FIXTURES AND CONTROLS IN THIS ROOM. REFER TO E6.02 THROUGH E6.07 SHEETS FOR LIGHTING CONTROLS.
2	ALTERNATE #2: REPLACE EXISTING LIGHT FIXTURES IN THIS ROOM WITH NEW LED FIXTURES AND LIGHTING CONTROL SENSORS.
3	ALTERNATE #3: PROVIDE WIREGUARD FOR EXIT SIGNS AND EMERGENCY LIGHTS IN GYMNASIUM.
4	REPLACE EXISTING CANOPY LIGHTS WITH NEW LED. CONNECT TO EXISTING CANOPY LIGHTING CIRCTUIS.

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1/8" = 1'-0"

LEVEL 1 LIGHTING PLAN A | B5

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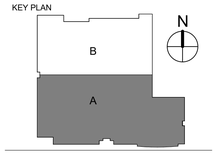
KEY PLAN



SHEET TITLE

LEVEL 1 LIGHTING PLAN A

SHEET NUMBER

E5.01

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LIGHTING SHEET NOTES

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C	ALL NEW INSTALLATION AND PRODUCTS MUST MEET AND COMPLY WITH ADOPTED ELECTRICAL, INTERNATIONAL ENERGY CONSERVATION CODES AND LATEST DISD TECHNICAL DESIGN GUIDELINES.
D	PROVIDE ON/OFF TOGGLE SWITCH IN MECHANICAL AND ELECTRICAL ROOMS.

KEYNOTES

1	PROVIDE NEW LIGHTING FIXTURES AND CONTROLS IN THIS ROOM. REFER TO E6.02 THROUGH E6.07 SHEETS FOR LIGHTING CONTROLS.
2	ALTERNATE #3: REPLACE EXISTING LIGHT FIXTURES IN THIS ROOM WITH NEW LED FIXTURES AND LIGHTING CONTROL SENSORS.
3	EXISTING LIGHTS AND CONTROLS TO REMAIN IN THIS ROOM.
4	REPLACE EXISTING CANOPY LIGHTS WITH NEW LED. CONNECT TO EXISTING CANOPY LIGHTING CIRCTUIS.

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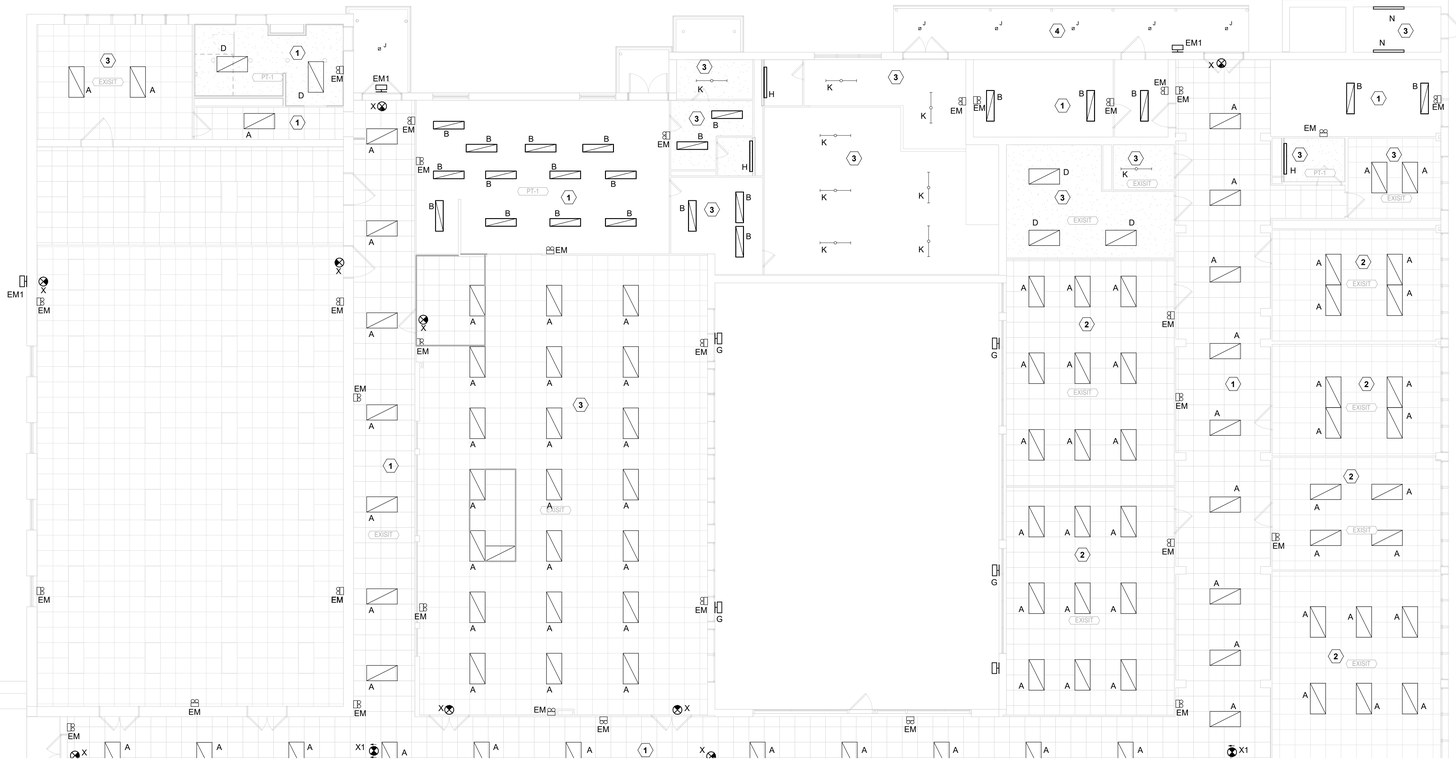

1/8" = 1'-0"

LEVEL 1 LIGHTING PLAN B | B5

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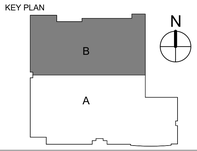
KEY PLAN



SHEET TITLE

LEVEL 1 LIGHTING PLAN B

SHEET NUMBER

E5.02

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1/8" = 1'-0"

LEVEL 2 LIGHTING PLAN A | B5

LIGHTING SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C	ALL NEW INSTALLATION AND PRODUCTS MUST MEET AND COMPLY WITH ADOPTED ELECTRICAL, INTERNATIONAL ENERGY CONSERVATION CODES AND LATEST DISD TECHNICAL DESIGN GUIDELINES.
D	PROVIDE ON/OFF TOGGLE SWITCH IN MECHANICAL AND ELECTRICAL ROOMS.

KEYNOTES

1	PROVIDE NEW LIGHTING FIXTURES AND CONTROLS IN THIS ROOM. REFER TO E6.02 THROUGH E6.07 SHEETS FOR LIGHTING CONTROLS.
2	ALTERNATE #3: REPLACE EXISTING LIGHT FIXTURES IN THIS ROOM WITH NEW LED FIXTURES AND LIGHTING CONTROL SENSORS.
3	EXISTING LIGHTS AND CONTROLS TO REMAIN IN THIS ROOM.
4	

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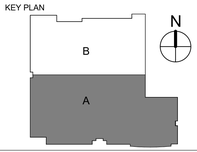
KEY PLAN



SHEET TITLE

LEVEL 2 LIGHTING PLAN A

SHEET NUMBER

E5.03

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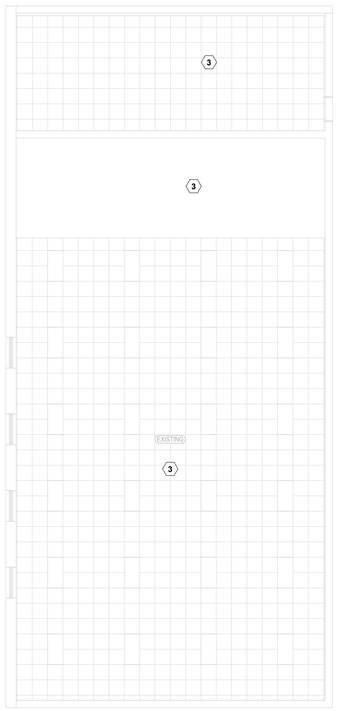

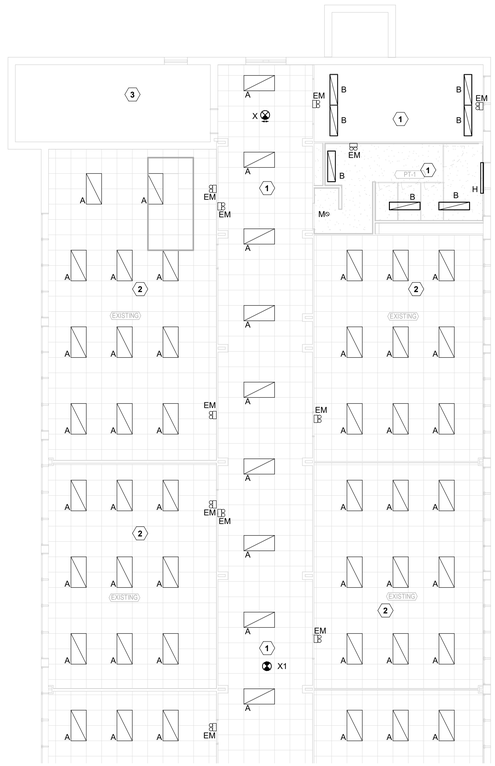

LIGHTING SHEET NOTES

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D	PROVIDE ON/OFF TOGGLE SWITCH IN MECHANICAL AND ELECTRICAL ROOMS.

KEYNOTES

1	PROVIDE NEW LIGHTING FIXTURES AND CONTROLS IN THIS ROOM. REFER TO E6.02 THROUGH E6.07 SHEETS FOR LIGHTING CONTROLS.
2	ALTERNATE #3: REPLACE EXISTING LIGHT FIXTURES IN THIS ROOM WITH NEW LED FIXTURES AND LIGHTING CONTROL SENSORS.
3	EXISTING LIGHTS AND CONTROLS TO REMAIN IN THIS ROOM.

1/8" = 1'-0"

LEVEL 2 LIGHTING PLAN B | B5

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KEY PLAN

SHEET TITLE
LEVEL 2 LIGHTING PLAN B

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Registration No: F-001731
Project Number: D24-3447.00

SHEET NUMBER
E5.04

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LIGHTING SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
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D	PROVIDE ON/OFF TOGGLE SWITCH IN MECHANICAL AND ELECTRICAL ROOMS.

KEYNOTES

1	PROVIDE NEW LIGHTING FIXTURES AND CONTROLS IN THIS ROOM. REFER TO E6.02 THROUGH E6.07 SHEETS FOR LIGHTING CONTROLS.
2	ALTERNATE #3: REPLACE EXISTING LIGHT FIXTURES IN THIS ROOM WITH NEW LED FIXTURES AND LIGHTING CONTROL SENSORS.
3	EXISTING LIGHTS AND CONTROLS TO REMAIN IN THIS ROOM.

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1/8" = 1'-0"

LEVEL 3 LIGHTING PLAN A | B5

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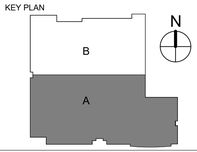
KEY PLAN



SHEET TITLE

LEVEL 3 LIGHTING PLAN A

SHEET NUMBER

E5.05

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LIGHTING SHEET NOTES

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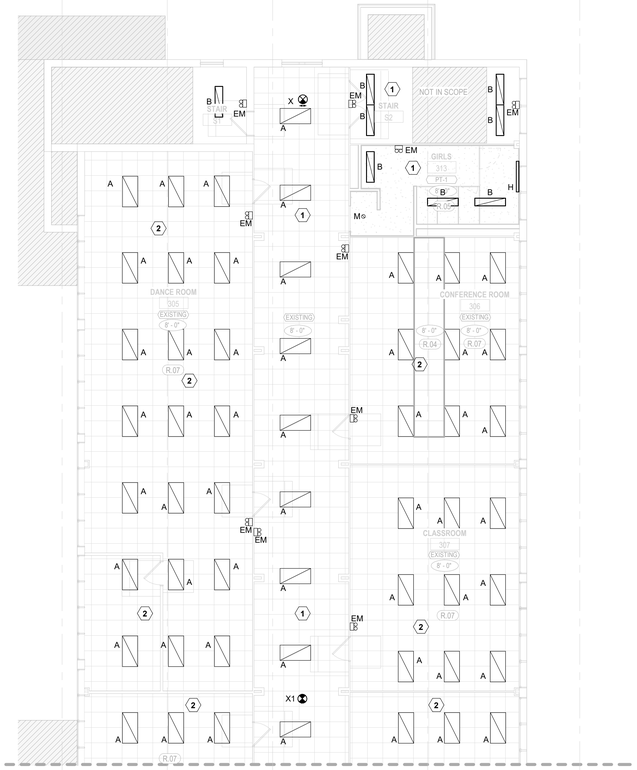
D	PROVIDE ON/OFF TOGGLE SWITCH IN MECHANICAL AND ELECTRICAL ROOMS.

KEYNOTES

1	PROVIDE NEW LIGHTING FIXTURES AND CONTROLS IN THIS ROOM. REFER TO E6.02 THROUGH E6.07 SHEETS FOR LIGHTING CONTROLS.
2	ALTERNATE #3: REPLACE EXISTING LIGHT FIXTURES IN THIS ROOM WITH NEW LED FIXTURES AND LIGHTING CONTROL SENSORS.



1/8" = 1'-0"

LEVEL 3 LIGHTING PLAN B | B5

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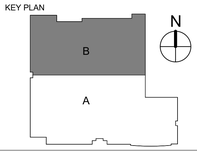
KEY PLAN



SHEET TITLE

LEVEL 3 LIGHTING PLAN B

SHEET NUMBER

E5.06

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LIGHTING SHEET NOTES

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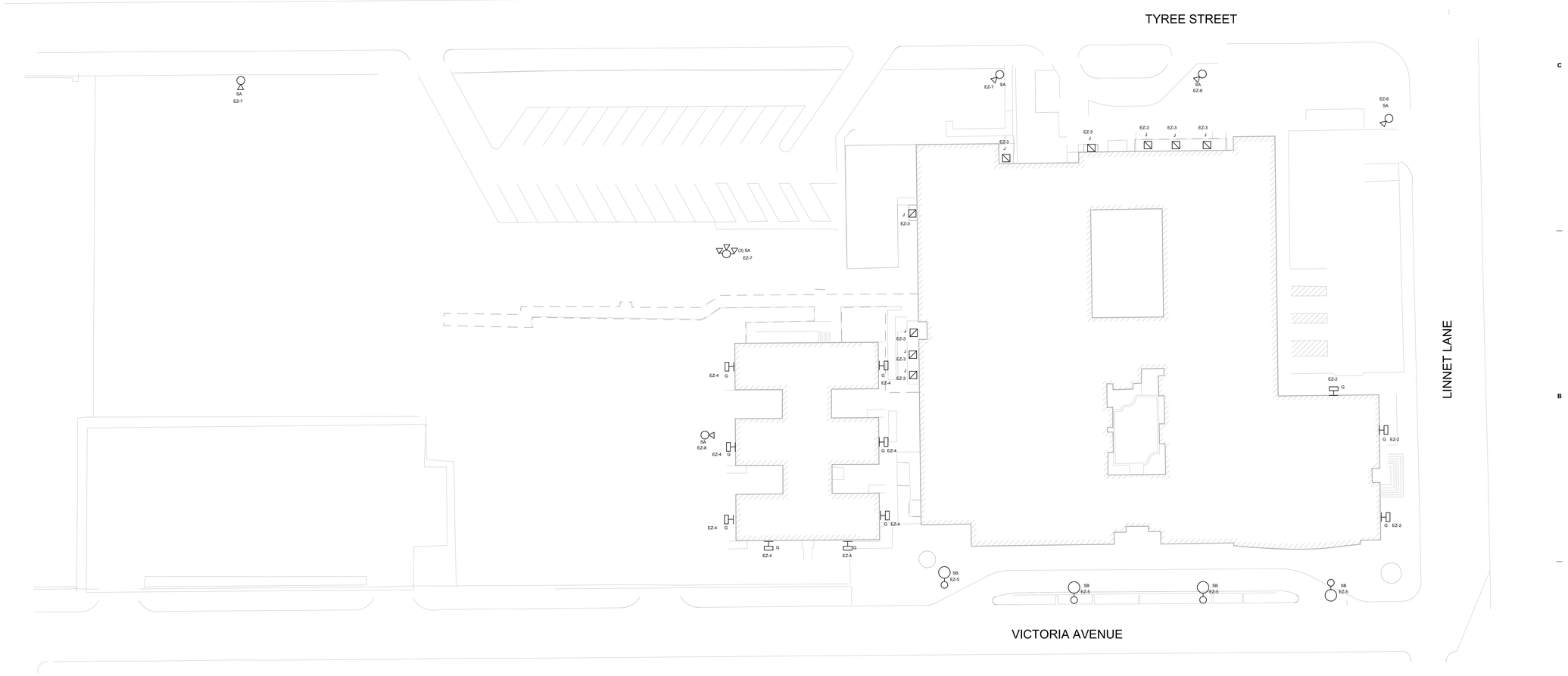

SITE PLAN LIGHTING CONTROLS 1

1" = 12' 0"

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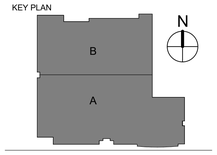
KEY PLAN



SHEET TITLE

SITE PLAN LIGHTING CONTROLS

SHEET NUMBER

E6.01

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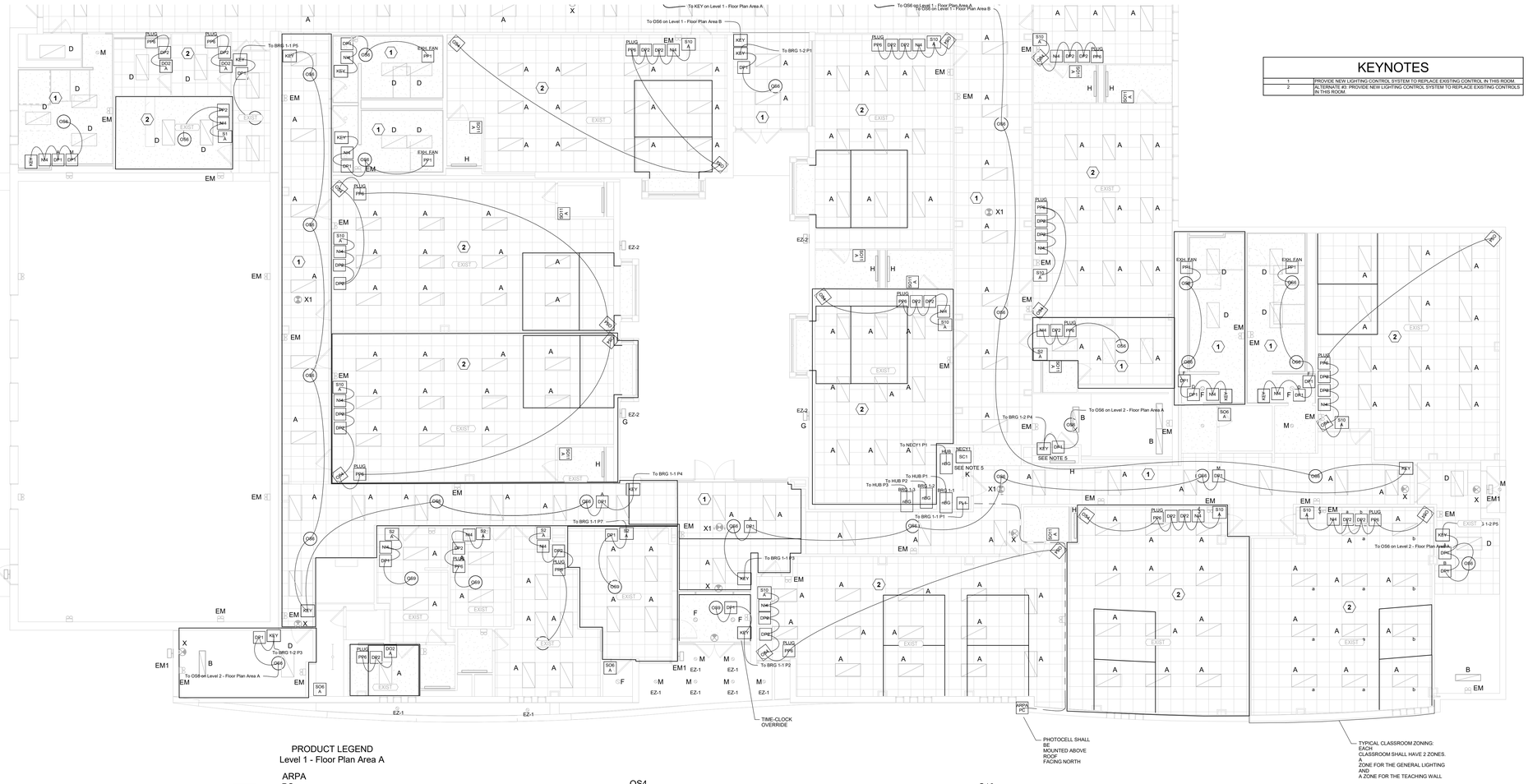

KEYNOTES

1	PROVIDE NEW LIGHTING CONTROL SYSTEM TO REPLACE EXISTING CONTROL IN THIS ROOM. ALTERNATE #5: PROVIDE NEW LIGHTING CONTROL SYSTEM TO REPLACE EXISTING CONTROLS IN THIS ROOM.
2	

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PRODUCT LEGEND
Level 1 - Floor Plan Area A

1	ARPA PC	ARPA PC ARPA PC Photocell intended to be connected directly to ARP.
3	DO2 A	DO2 A NWSXA PDT LV DX XX Aesthetic Wall Switch Occupancy Sensor, Passive Dual Technology, Low Voltage, Raise/Lower Dimming
20	DP1	DP1 NPP16 D EFP Power/Relay Pack, Occupancy Controlled Dimming, External Fault Protection
31	DP2	DP2 NPP16 D EFP SA Power/Relay Pack, Occupancy Controlled Dimming, External Fault Protection, Vacancy (default) or Auto-On
17	KEY	KEY NPODA KEY WH Low Voltage Wallpod, Digital keyswitch
4	nBG	nBG NBRG 8 KIT Bridge, Kit
22	NI4	NI4 NIO BT nLight Device, Bluetooth low energy communication module
2	OH6	OH6 NCM 6 RJB Low Voltage Ceiling Mount Sensor, High Bay 360° Lens, Rear RJ-45 Ports
18	OS4	OS4 NWV PDT 16 KIT Low Voltage Corner Mount Sensor, Passive Dual Technology, 16 , Kit
27	OS6	OS6 NCM PDT 10 RJB Low Voltage Ceiling Mount Sensor, Passive Dual Technology, Large Motion / Extended Range 360° Lens, Rear RJ-45 Ports
5	OS9	OS9 NCM PDT 9 RJB Low Voltage Ceiling Mount Sensor, Passive Dual Technology, Small Motion / Standard Range 360° Lens, Rear RJ-45 Ports
1	PL1	PL1 ARP INTENC16 NLT 12FCR MVOLT SC SM Acuity Relay Panel, Include INT and ENC, 16-Size, nLight, 12-field configurable relays, 120-277V, Screw Cover, Surface Mount
4	PP1	PP1 NPP16 EFP Power/Relay Pack, External Fault Protection
1	PP2	PP2 NPP16 EFP SA Power/Relay Pack, External Fault Protection, Vacancy (default) or Auto-On
17	PP6	PP6 NPP20 PL BP Plug Load, Bus power
1	S1 A	S1 A NPODMA XX nLight Wired Aesthetic Wallpod
11	S10 A	S10 A NPODMA 4S DX XX nLight Wired Aesthetic Wallpod, 4 scene control, Raise/Lower Dimming Without Wires
5	S2 A	S2 A NPODMA DX XX nLight Wired Aesthetic Wallpod, Raise/Lower Dimming Without Wires
1	SC1	SC1 NECY MVOLT BAC ENC GFXK nLight Eclypse, 120-277 VAC, BACnet, Enclosure for nLight ECLYPSE, nGWY2 GFX and PS 150 Power Supply
12	SO11 A	SO11 A WSXA 2P FAN XX Wall Switch Sensor, 2-Pole, Minimum Fan Run Time
3	SO6 A	SO6 A WSXA PDT SA XX Wall Switch Sensor, Passive Dual Technology, Vacancy (default) or Auto-On
1	TCH	TCH NPOD TOUCH XX Low Voltage Wallpod, Touchscreen Wall Control

WIRE LEGEND
Level 1 - Floor Plan Area A

———	CAT5e nLight Pre-terminated CAT5e cable for nLight communication network
– – –	Low Voltage Low voltage cable

1/8" = 1'-0"

LEVEL 1 LIGHTING CONTROLS PLAN A | B5

Kirksey ARCHITECTURE

Dallas + Houston + Austin

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Dallas Texas 75207

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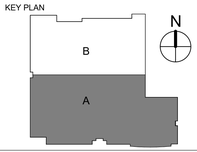
KIRKSEY PROJECT NO. 2023351

KEY PLAN



SHEET TITLE

LEVEL 1 LIGHTING CONTROLS PLAN A

SHEET NUMBER

E6.02

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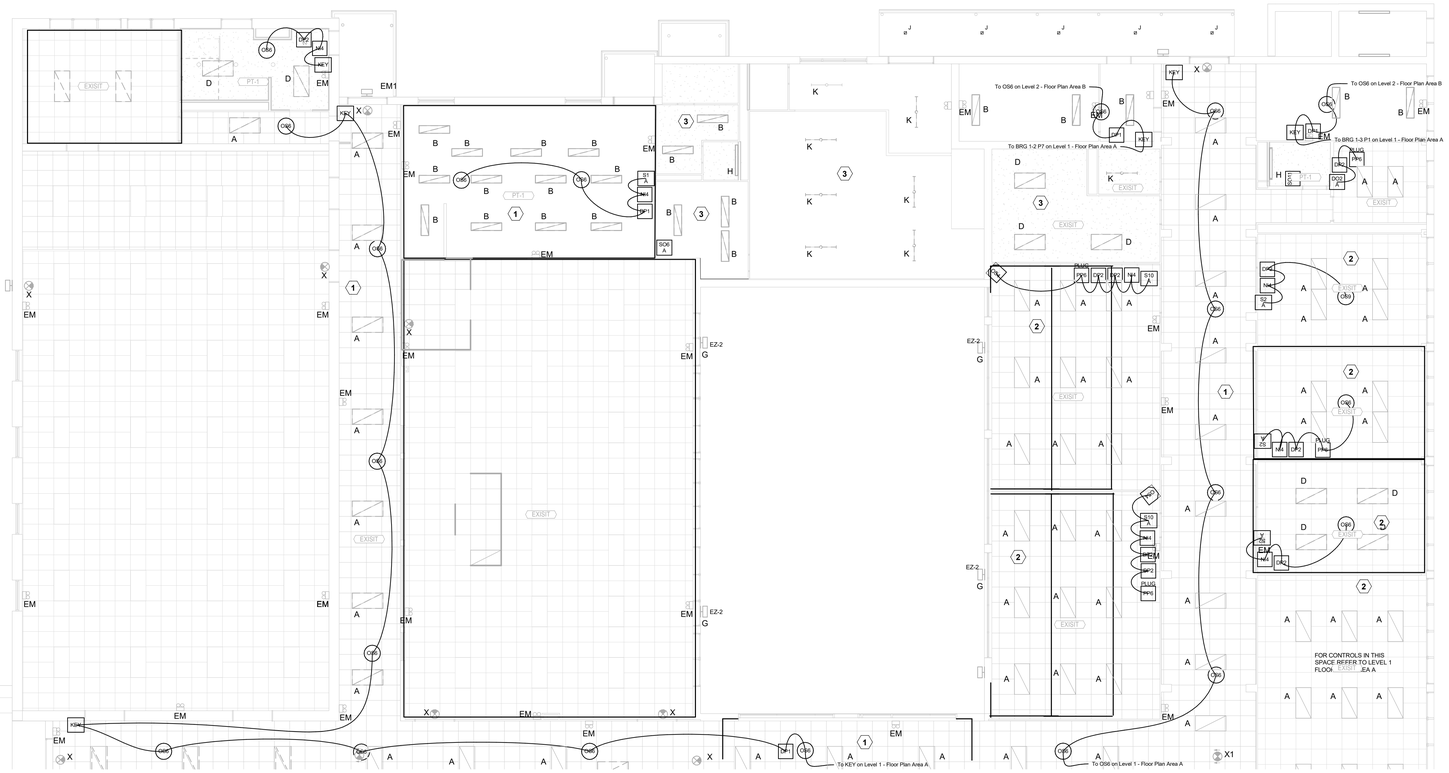

1/8" = 1'-0"

LEVEL 1 LIGHTING CONTROLS PLAN B | B5

KEYNOTES	
1	PROVIDE NEW LIGHTING CONTROL SYSTEM TO REPLACE EXISTING CONTROL IN THIS ROOM.
2	ALTERNATE #3: PROVIDE NEW LIGHTING CONTROL SYSTEM TO REPLACE EXISTING CONTROLS IN THIS ROOM.
3	EXISTING LIGHTS AND CONTROLS TO REMAIN IN THIS ROOM.

WIRE LEGEND Level 1 - Floor Plan Area B	
——	CAT5e nLight Pre-terminated CAT5e cable for nLight communication network

PRODUCT LEGEND
Level 1 - Floor Plan Area B

1	DO2 A	DO2 A NWSXA PDT LV DX XX Aesthetic Wall Switch Occupancy Sensor, Passive Dual Technology, Low Voltage, Raise/Lower Dimming
6	DP1	DP1 NPP16 D EFP Power/Relay Pack, Occupancy Controlled Dimming, External Fault Protection
13	DP2	DP2 NPP16 D EFP SA Power/Relay Pack, Occupancy Controlled Dimming, External Fault Protection, Vacancy (default) or Auto-On
6	KEY	KEY NPODA KEY WH Low Voltage Wallpod, Digital keyswitch
10	NI4	NI4 NIO BT nLight Device, Bluetooth low energy communication module
6	OS4	OS4 NWV PDT 16 KIT Low Voltage Corner Mount Sensor, Passive Dual Technology, 16 , Kit
27	OS6	OS6 NCM PDT 10 RJB Low Voltage Ceiling Mount Sensor, Passive Dual Technology, Large Motion / Extended Range 360° Lens, Rear RJ-45 Ports
1	OS9	OS9 NCM PDT 9 RJB Low Voltage Ceiling Mount Sensor, Passive Dual Technology, Small Motion / Standard Range 360° Lens, Rear RJ-45 Ports
2	PP2	PP2 NPP16 EFP SA Power/Relay Pack, External Fault Protection, Vacancy (default) or Auto-On
4	PP6	PP6 NPP20 PL BP Plug Load, Bus power
3	S1 A	S1 A NPODMA XX nLight Wired Aesthetic Wallpod
2	S10 A	S10 A NPODMA 4S DX XX nLight Wired Aesthetic Wallpod, 4 scene control, Raise/Lower Dimming Without Wires
4	S2 A	S2 A NPODMA DX XX nLight Wired Aesthetic Wallpod, Raise/Lower Dimming Without Wires
3	SO11 A	SO11 A WSXA 2P FAN XX Wall Switch Sensor, 2-Pole, Minimum Fan Run Time
3	SO6 A	SO6 A WSXA PDT SA XX Wall Switch Sensor, Passive Dual Technology, Vacancy (default) or Auto-On
2	TCH	TCH NPOD TOUCH XX Low Voltage Wallpod, Touchscreen Wall Control

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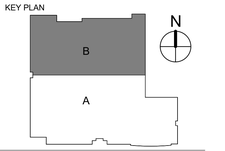

SHEET TITLE

LEVEL 1 LIGHTING CONTROLS PLAN B

SHEET NUMBER

E6.03

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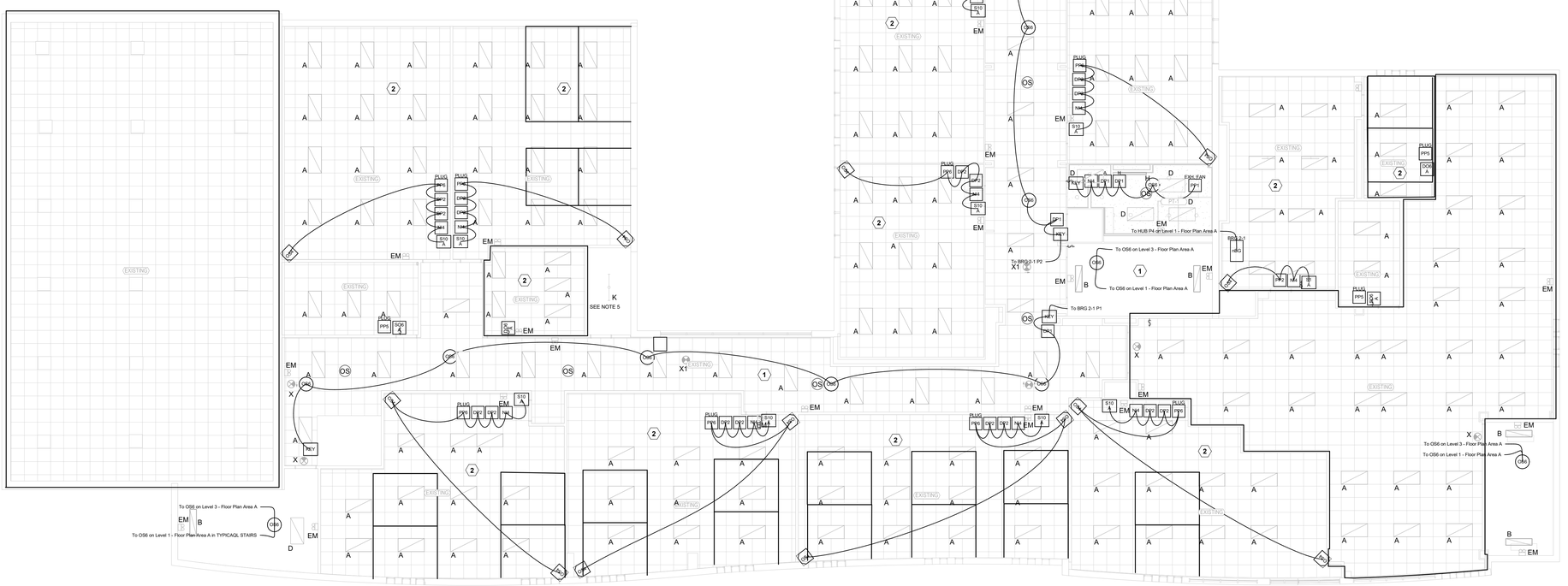
KEYNOTES

1	PROVIDE NEW LIGHTING CONTROL SYSTEM TO REPLACE EXISTING CONTROL IN THIS ROOM.
2	ALTERNATE #3: PROVIDE NEW LIGHTING CONTROL SYSTEM TO REPLACE EXISTING CONTROLS IN THIS ROOM.



PRODUCT LEGEND
Level 2 - Floor Plan Area A

2	DO6 A	DO6 A WSXA PDT D SA XX Wall Switch Sensor, Passive Dual Technology, Dimming, Vacancy (default) or Auto-On
5	DP1	DP1 NPP16 D EFP Power/Relay Pack, Occupancy Controlled Dimming, External Fault Protection
20	DP2	DP2 NPP16 D EFP SA Power/Relay Pack, Occupancy Controlled Dimming, External Fault Protection, Vacancy (default) or Auto-On
4	KEY	KEY NPODA KEY WH Low Voltage Wallpod, Digital keyswitch
1	nBG	nBG NBRG 8 KIT Bridge, Kit
13	NI4	NI4 NIO BT nLight Device, Bluetooth low energy communication module
18	OS4	OS4 NWV PDT 16 KIT Low Voltage Corner Mount Sensor, Passive Dual Technology, 16 , Kit
12	OS6	OS6 NCM PDT 10 RJB Low Voltage Ceiling Mount Sensor, Passive Dual Technology, Large Motion / Extended Range 360° Lens, Rear RJ-45 Ports
1	PP1	PP1 NPP16 EFP Power/Relay Pack, External Fault Protection
1	PP2	PP2 NPP16 EFP SA Power/Relay Pack, External Fault Protection, Vacancy (default) or Auto-On
3	PP5	PP5 MP20 Mini Power Pack
14	PP6	PP6 NPP20 PL BP Plug Load, Bus power
1	S1 A	S1 A NPODMA XX nLight Wired Aesthetic Wallpod
10	S10 A	S10 A NPODMA 4S DX XX nLight Wired Aesthetic Wallpod, 4 scene control, Raise/Lower Dimming Without Wires
1	S2 A	S2 A NPODMA DX XX nLight Wired Aesthetic Wallpod, Raise/Lower Dimming Without Wires
2	SO6 A	SO6 A WSXA PDT SA XX Wall Switch Sensor, Passive Dual Technology, Vacancy (default) or Auto-On

WIRE LEGEND
Level 2 - Floor Plan Area A

——	CAT5e nLight Pre-terminated CAT5e cable for nLight communication network

1/8" = 1'-0"

LEVEL 2 LIGHTING CONTROLS PLAN A | B5

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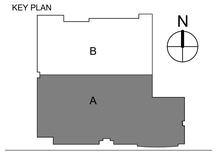

SHEET TITLE

LEVEL 2 LIGHTING CONTROLS PLAN A

SHEET NUMBER

E6.04

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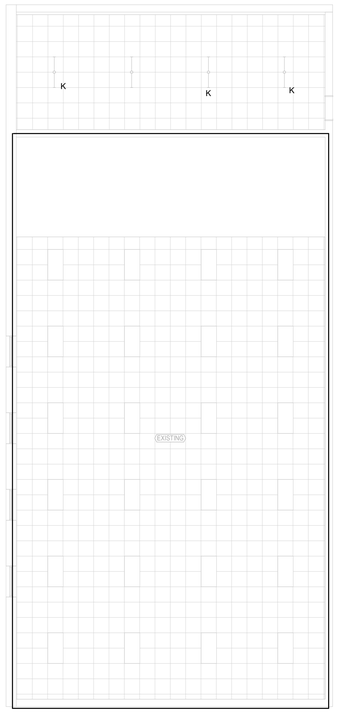

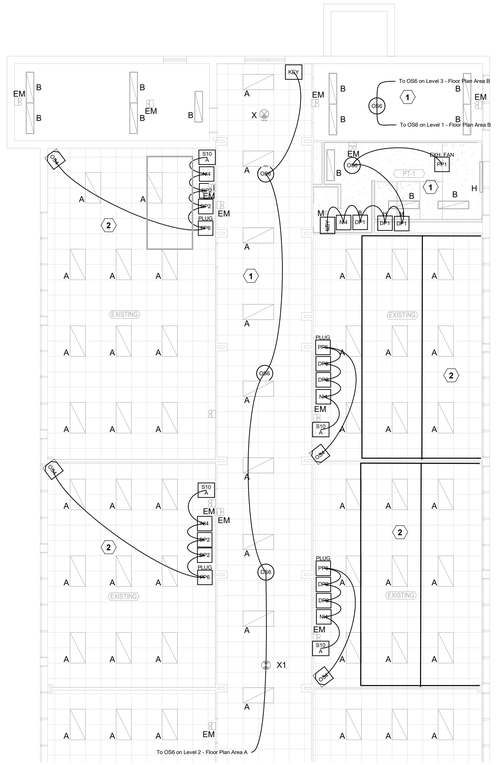

1/8" = 1'-0"

LEVEL 2 LIGHTING CONTROLS PLAN B | B5

KEYNOTES

1	PROVIDE NEW LIGHTING CONTROL SYSTEM TO REPLACE EXISTING CONTROL IN THIS ROOM.
2	ALTERNATE #3: PROVIDE NEW LIGHTING CONTROL SYSTEM TO REPLACE EXISTING CONTROLS IN THIS ROOM.

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PRODUCT LEGEND
Level 2 - Floor Plan Area B

3	DP1	DP1 NPP16 D EFP Power/Relay Pack, Occupancy Controlled Dimming, External Fault Protection
8	DP2	DP2 NPP16 D EFP SA Power/Relay Pack, Occupancy Controlled Dimming, External Fault Protection, Vacancy (default) or Auto-On
2	KEY	KEY NPODA KEY WH Low Voltage Wallpod, Digital keyswitch
5	NI4	NI4 NIO BT nLight Device, Bluetooth low energy communication module
4	OS4	OS4 NWV PDT 16 KIT Low Voltage Corner Mount Sensor, Passive Dual Technology, 16 , Kit
6	OS6	OS6 NCM PDT 10 RJB Low Voltage Ceiling Mount Sensor, Passive Dual Technology, Large Motion / Extended Range 360° Lens, Rear RJ-45 Ports
1	PP1	PP1 NPP16 EFP Power/Relay Pack, External Fault Protection
4	PP6	PP6 NPP20 PL BP Plug Load, Bus power
4	S10 A	S10 A NPODMA 4S DX XX nLight Wired Aesthetic Wallpod, 4 scene control, Raise/Lower Dimming Without Wires

WIRE LEGEND
Level 2 - Floor Plan Area B

———	CAT5 nLight CAT5e nLight Pre-terminated CAT5e cable for nLight communication network

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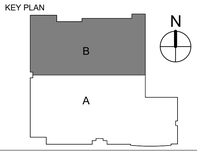

SHEET TITLE
LEVEL 2 LIGHTING CONTROLS PLAN B

SHEET NUMBER
E6.05

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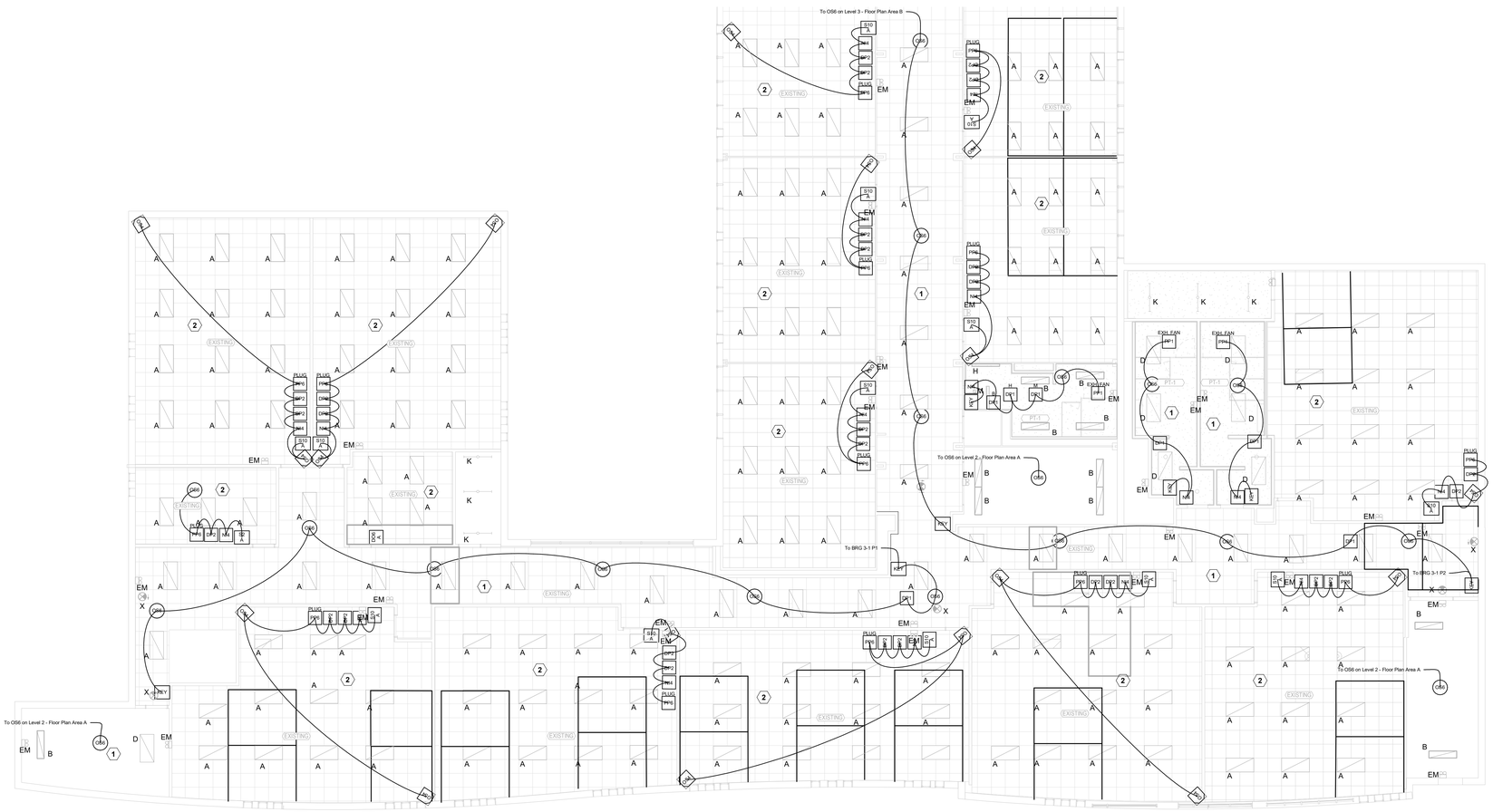

KEYNOTES

1	PROVIDE NEW LIGHTING CONTROL SYSTEM TO REPLACE EXISTING CONTROL IN THIS ROOM.
2	ALTERNATE #3: PROVIDE NEW LIGHTING CONTROL SYSTEM TO REPLACE EXISTING CONTROLS IN THIS ROOM.

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PRODUCT LEGEND
Level 3 - Floor Plan Area A

1	DO6 A	DO6 A WSXA PDT D SA XX Wall Switch Sensor, Passive Dual Technology, Dimming, Vacancy (default) or Auto-On
7	DP1	DP1 NPP16 D EFP Power/Relay Pack, Occupancy Controlled Dimming, External Fault Protection
27	DP2	DP2 NPP16 D EFP SA Power/Relay Pack, Occupancy Controlled Dimming, External Fault Protection, Vacancy (default) or Auto-On
7	KEY	KEY NPODA KEY WH Low Voltage Wallpod, Digital keyswitch
1	nBG	nBG NBRG 8 KIT Bridge, Kit
17	NI4	NI4 NIO BT nLight Device, Bluetooth low energy communication module
18	OS4	OS4 NWV PDT 16 KIT Low Voltage Corner Mount Sensor, Passive Dual Technology, 16 , Kit
19	OS6	OS6 NCM PDT 10 RJB Low Voltage Ceiling Mount Sensor, Passive Dual Technology, Large Motion / Extended Range 360° Lens, Rear RJ-45 Ports
3	PP1	PP1 NPP16 EFP Power/Relay Pack, External Fault Protection
14	PP6	PP6 NPP20 PL BP Plug Load, Bus power
13	S10 A	S10 A NPODMA 4S DX XX nLight Wired Aesthetic Wallpod, 4 scene control, Raise/Lower Dimming Without Wires
1	S2 A	S2 A NPODMA DX XX nLight Wired Aesthetic Wallpod, Raise/Lower Dimming Without Wires

WIRE LEGEND
Level 3 - Floor Plan Area A

——	CAT5e nLight Pre-terminated CAT5e cable for nLight communication network

1/8" = 1'-0"

LEVEL 3 LIGHTING CONTROLS PLAN A | B5

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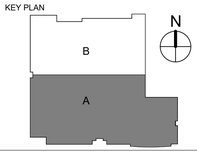

SHEET TITLE

LEVEL 3 LIGHTING CONTROLS PLAN A

SHEET NUMBER

E6.06

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KEYNOTES	
1	PROVIDE NEW LIGHTING CONTROL SYSTEM TO REPLACE EXISTING CONTROL IN THIS ROOM.
2	ALTERNATE #3: PROVIDE NEW LIGHTING CONTROL SYSTEM TO REPLACE EXISTING CONTROLS IN THIS ROOM.

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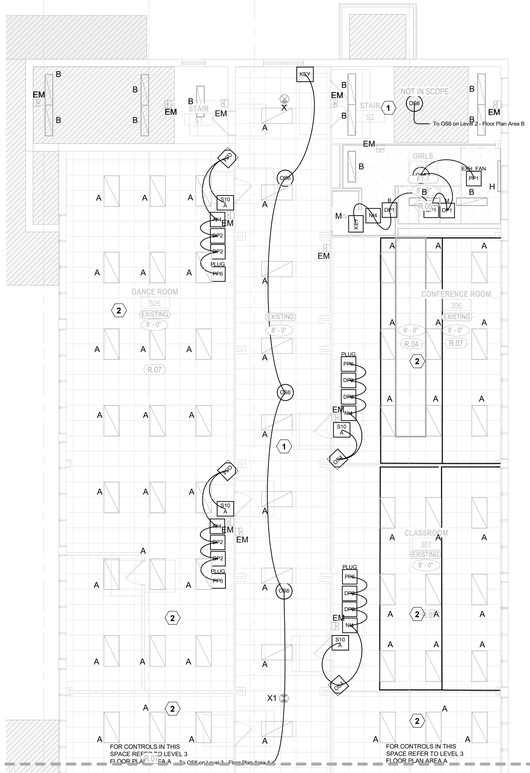

1/8" = 1'-0"

LEVEL 3 LIGHTING CONTROLS PLAN B | B5

PRODUCT LEGEND
Level 3 - Floor Plan Area B

3	DP1	DP1 NPP16 D EFP Power/Relay Pack, Occupancy Controlled Dimming, External Fault Protection
8	DP2	DP2 NPP16 D EFP SA Power/Relay Pack, Occupancy Controlled Dimming, External Fault Protection, Vacancy (default) or Auto-On
2	KEY	KEY NPODA KEY WH Low Voltage Wallpod, Digital keyswitch
5	NI4	NI4 NIO BT nLight Device, Bluetooth low energy communication module
4	OS4	OS4 NWV PDT 16 KIT Low Voltage Corner Mount Sensor, Passive Dual Technology, 16 , Kit
6	OS6	OS6 NCM PDT 10 RJB Low Voltage Ceiling Mount Sensor, Passive Dual Technology, Large Motion / Extended Range 360° Lens, Rear RJ-45 Ports
1	PP1	PP1 NPP16 EFP Power/Relay Pack, External Fault Protection
4	PP6	PP6 NPP20 PL BP Plug Load, Bus power
4	S10 A	S10 A NPODMA 4S DX XX nLight Wired Aesthetic Wallpod, 4 scene control, Raise/Lower Dimming Without Wires

WIRE LEGEND
Level 3 - Floor Plan Area B

——	CAT5e nLight Pre-terminated CAT5e cable for nLight communication network

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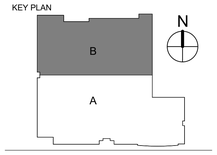

SHEET TITLE

LEVEL 3 LIGHTING CONTROLS PLAN B

SHEET NUMBER

E6.07

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1/8" = 1'-0"

ROOF POWER PLAN | A5

POWER SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C	MECHANICAL EQUIPMENT IS SHOWN IN APPROXIMATE LOCATIONS. VERIFY EXACT LOCATIONS AND TERMINATION REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL PLANS AND MECHCANICAL CONTRACTOR PRIOR TO COMMENCING WORK.
D	ALL NEW INSTALLATION AND PRODUCTS MUST MEET AND COMPLY WITH ADOPTED ELECTRICAL, INTERNATIONAL ENERGY CONSERVATION CODES AND LATEST DISD TECHNICAL DESIGN GUIDELINES.

KEYNOTES

1	RECONNECT NEW UNIT TO EXISTING CIRCUIT PREVIOUSLY FEEDING THE EXISTING UNIT THAT WAS MADE SAFE DURING REMOVAL OF THE OLD UNIT. CONTRACTOR TO REVIEW CONDITION OF EXISTING WIRING AND CONDUIT THAT IS TO BE REUSED. ALSO, CONTRACTOR TO VERIFY EXISTING CONDUIT AND WIRE SIZE AND REPORT TO THE ENGINEER FOR VERIFICATION IF THEY ARE SUFFICIENT FOR NEW EQUIPMENT. CONTRACTOR TO REPORT ANY ISSUES WITH THE CONDUIT AND WIRING TO THE ARCHITECT AND ENGINEER PRIOR TO INSTALLATION OF NEW EQUIPMENT. CONNECT NEW DISCONNECT SWITCH AT THE EXISTING WIRING LOCATION TO PREVENT ADDING SPLICES TO THE EXISTING WIRING. EXTEND NEW WIRING FROM THE DISCONNECT SWITCH TO THE NEW HVAC EQUIPMENT CONTROLS.
2	PROVIDE NEW BREAKER, CIRCUIT AND WEATHERPROOF FUSED DISCONNECT SWITCH TO SERVE NEW EQUIPMENT. FEED NEW CIRCUIT FROM SAME EXISTING ELECTRICAL PANEL SERVING NEAR BY ROOF MOUNTED MECHANICAL EQUIPMENT.
3	PROVIDE NEW WEATHER PROOF DISCONNECT SWITCH FOR FOR AIR HANDLER UNIT ELECTRIC HEATER.
4	PROVIDE NEW WEATHER PROOF DISCONNECT SWITCH FOR AIR HANDLER UNIT.
5	CONNECT TO AVAILABLE CIRCUIT IN PANEL L3 IN ELECTRICAL ROOM 333.
6	CONNECT INTEGRAL RECEPTACLE TO PREVIOUSLY USED 120V FOR EXISTING RECEPTACLE.

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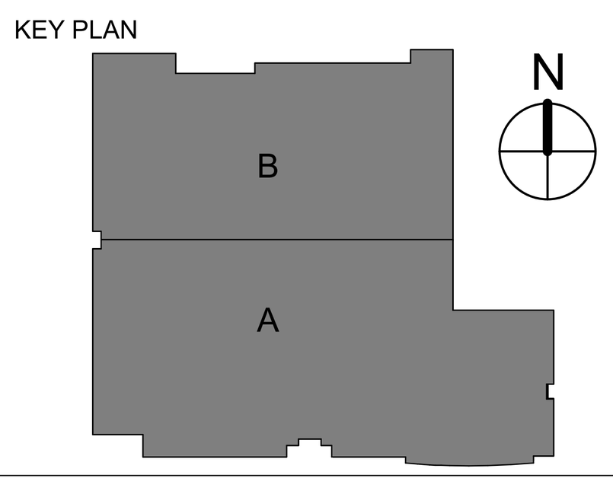

SHEET TITLE
ROOF POWER PLAN

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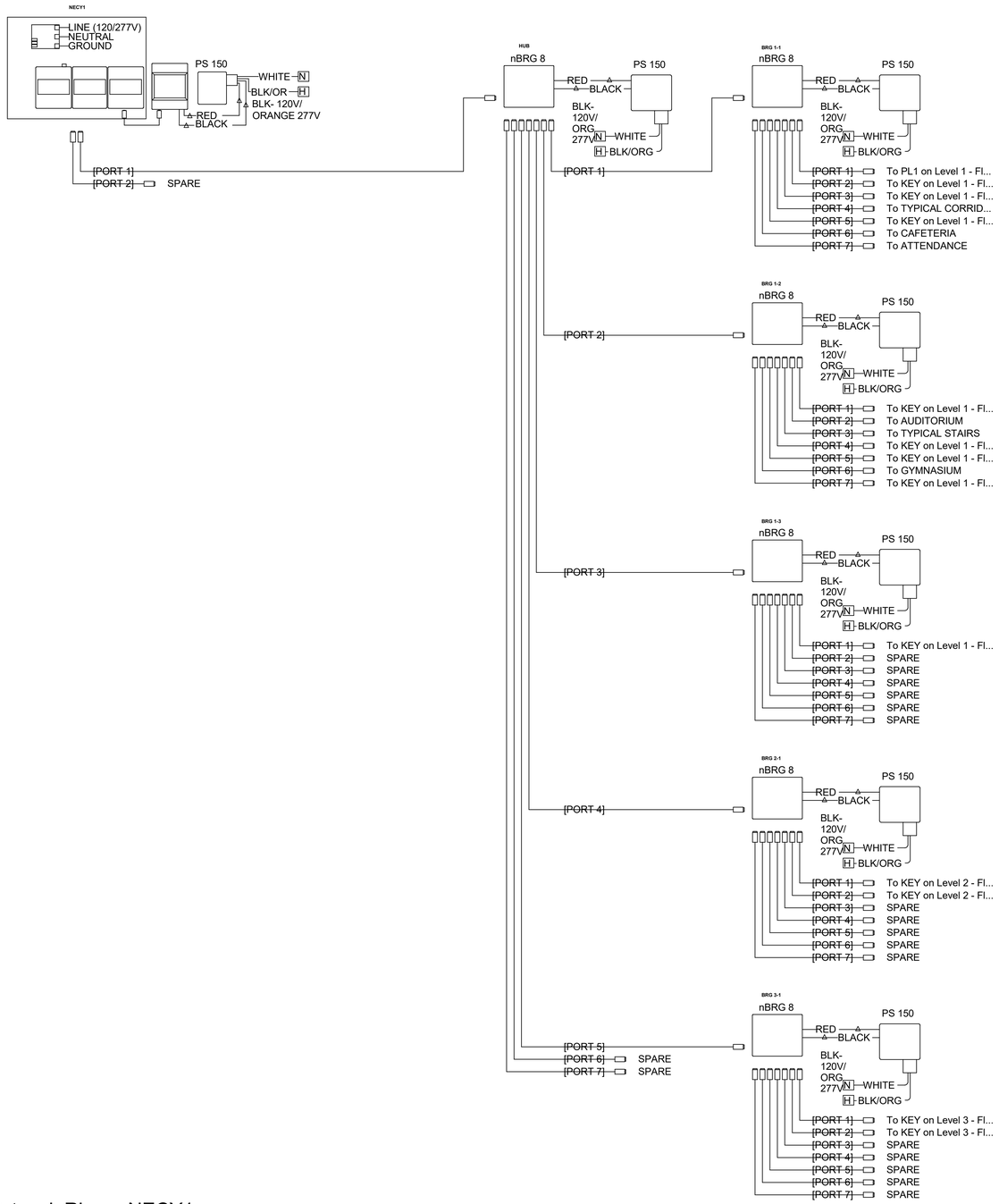
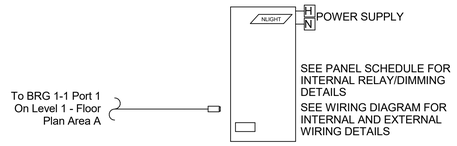


1 Network Riser - NECY1

Level 1 - Floor Plan Area A, Level 2 - Floor Plan Area A, Level 3 - Floor Plan Area A



2 BRG 1-1 Port 1

Level 1 - Floor Plan Area A

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KEY PLAN

SHEET TITLE

LIGHTING CONTROLS DETAILS

SHEET NUMBER

E10.01

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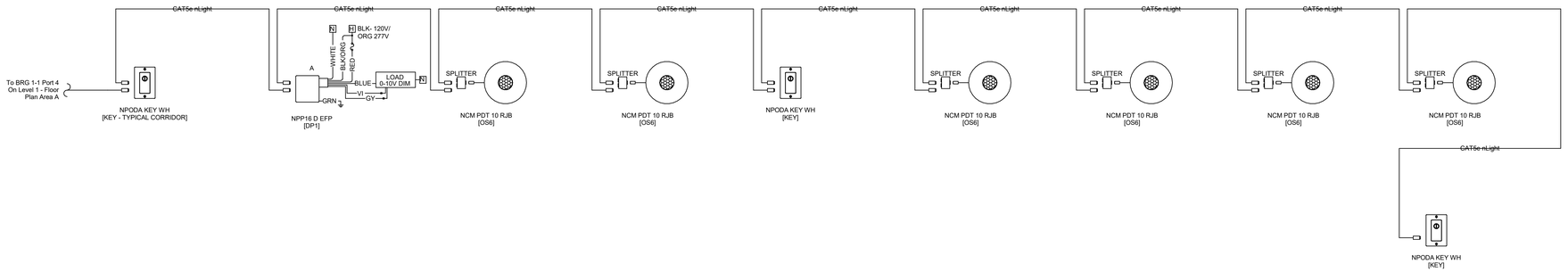
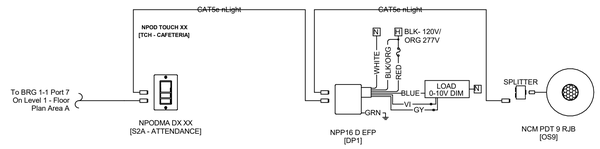
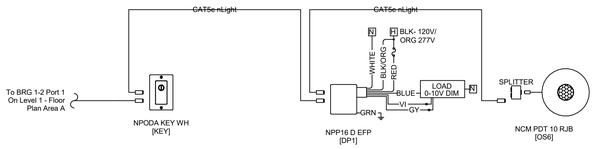


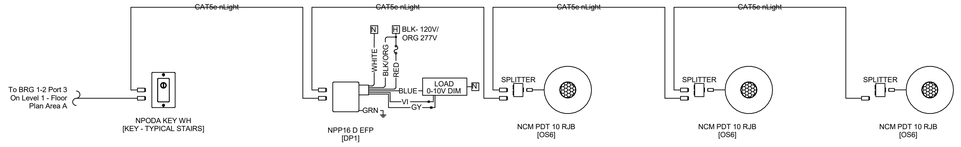
1 BRG 1-1 Port 4 - TYPICAL CORRIDOR
Level 1 - Floor Plan Area A



2 BRG 1-1 Port 7 - ATTENDANCE
Level 1 - Floor Plan Area A



3 BRG 1-2 Port 1
Level 1 - Floor Plan Area A



4 BRG 1-2 Port 3 - TYPICAL STAIRS
Level 1 - Floor Plan Area A, Level 2 - Floor Plan Area A, Level 3 - Floor Plan Area A

NPOD TOUCH XX
[TCH - AUDITORIUM]

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Kirksey ARCHITECTURE

Dallas + Houston + Austin

143 Manufacturing Street

Dallas Texas 75207

214 522 1100

kirksey.com

ANH V. NGUYEN 94936 LICENSED ARCHITECT STATE OF TEXAS

11/11/2024

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PROJECT NAME

Org 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS

6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE

LIGHTING CONTROLS DETAILS

SHEET NUMBER

E10.02

CAMPOS ENGINEERING
1331 River Bend Drive
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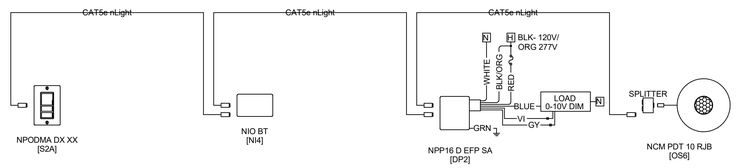
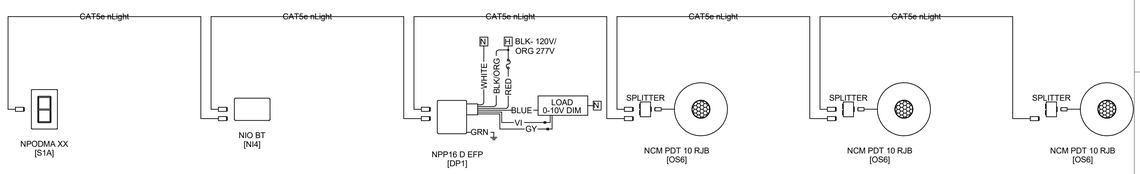
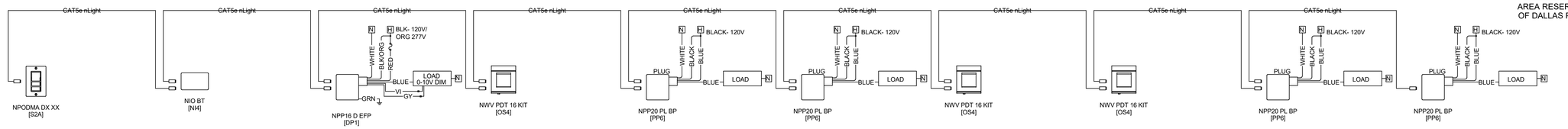
Registration No: F-001731
Project Number: D24-3447.00

11/19/2024 2:41:35 PM Autodesk Docs://2023351 DISD Dists. McShane, Polk Renovations/DISD_KB_Polk_CENTER_ELEC_R23.rvt



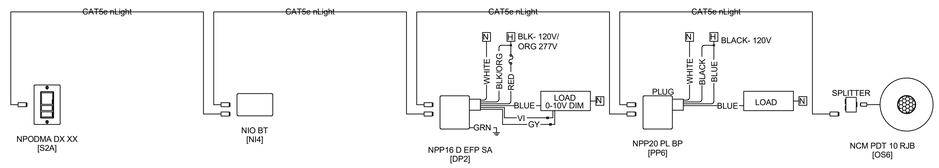


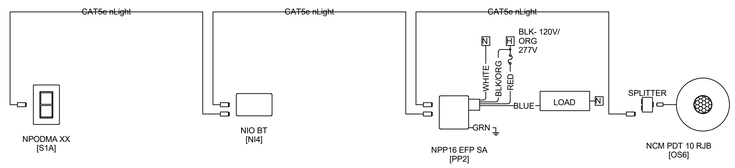
1 nLight - BOOKROOM - ADD ALTERNATE #3
Level 1 - Floor Plan Area B



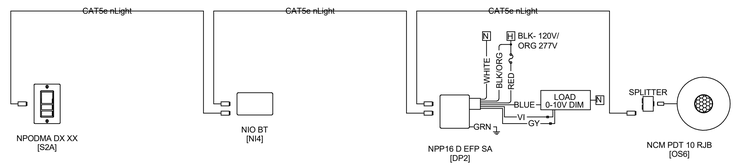
2 nLight - KITCHEN
Level 1 - Floor Plan Area B

3 nLight - MEDIA CENTER
Level 2 - Floor Plan Area A



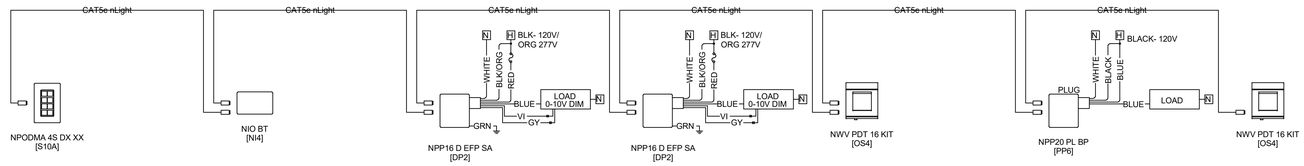


4 nLight - MEDIUM OFFICE - ADD ALTERNATE #3
Level 1 - Floor Plan Area A

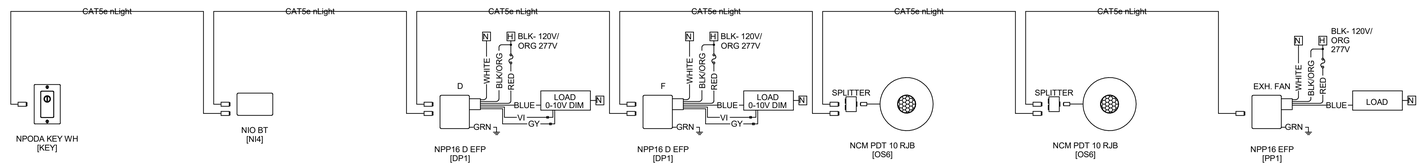


5 nLight - MEDIUM STORAGE - ADD ALTERNATE #3
Level 1 - Floor Plan Area A

6 nLight - MUSIC - ADD ALTERNATE #3
Level 1 - Floor Plan Area B



7 nLight - PRE-KINDER CLASSROOM (2 SENSORS) - ADD ALTERNATE #3
Level 1 - Floor Plan Area A



8 nLight - TYPICAL BOY'S & GIRL'S RESTROOM
Level 1 - Floor Plan Area A

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PROJECT NAME
Org 194 K.B. Polk Center for Academically Talented & Gifted

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6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN

SHEET TITLE
LIGHTING CONTROLS DETAILS

SHEET NUMBER
E10.03

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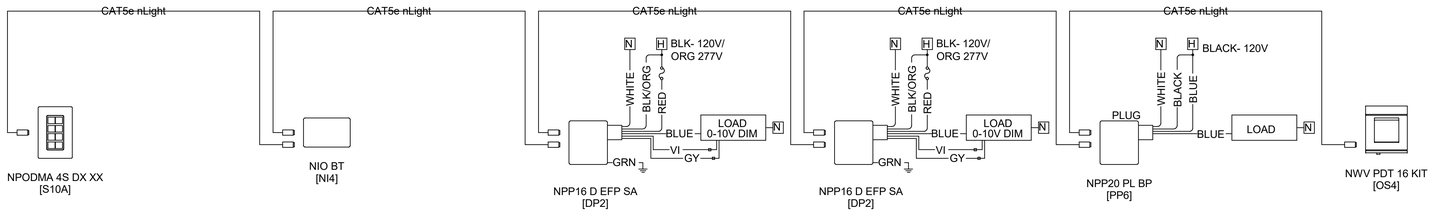
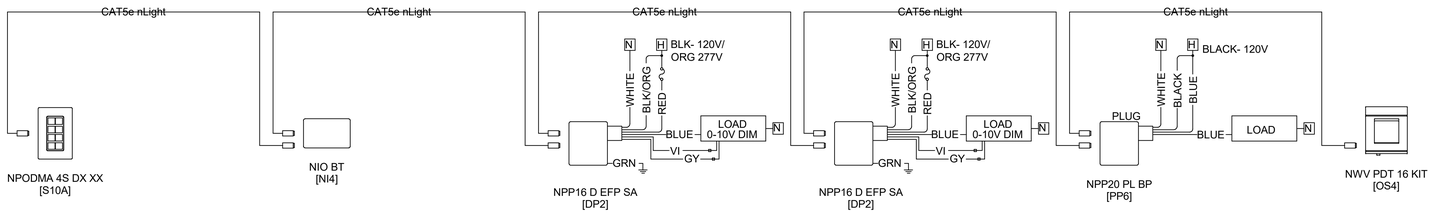


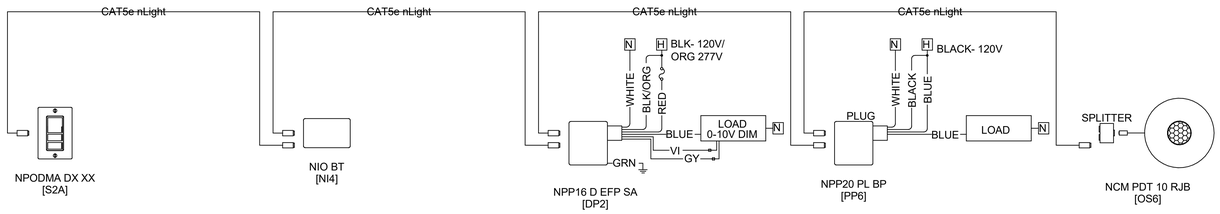
1 nLight - TYPICAL CLASSROOM - ADD ALTERNATE #3

Level 1 - Floor Plan Area A



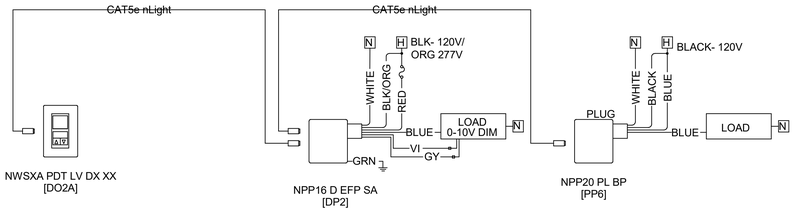
2 nLight - TYPICAL CLASSROOM (1 SENSOR) - ADD ALTERNATE #3

Level 1 - Floor Plan Area A



3 nLight - TYPICAL CONFERENCE ROOM - ADD ALTERNATE #3

Level 1 - Floor Plan Area B



4 nLight - TYPICAL OFFICE - ADD ALTERNATE #3

Level 1 - Floor Plan Area A

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E10.04

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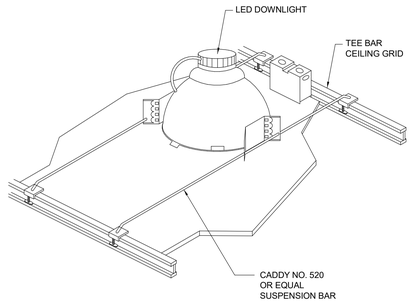
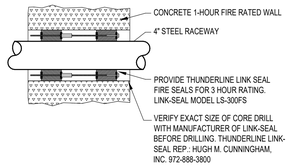
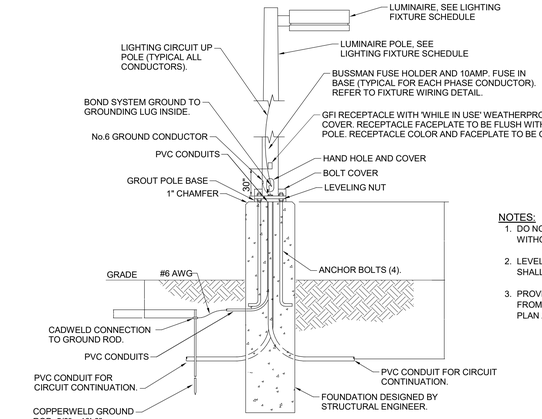


3 RECESSED DOWNLIGHT DETAIL
SCALE: NONE



NOTE:
1. DO NOT SLEEVE WALL, INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
2. SUPPORT CONDUIT TO PREVENT SHIFTING DURING BACKFILL.

2 TYPICAL FIRE-WALL CONDUIT PENETRATION (FIRE SEAL)
SCALE: NONE



NOTES:
1. DO NOT CAST GROUND CONDUCTOR IN CONCRETE BASE WITHOUT RACEWAY.
2. LEVELING NUTS SHALL BE USED. POLE BEARING PLATE SHALL NOT BE SHIMMED AGAINST PIER CONCRETE.
3. PROVIDE RECEPTACLES FOR LIGHT POLES CIRCUITED FROM ELECTRICAL PANEL LA. REFER TO ELECTRICAL SITE PLAN AND SCHEDULES..

1 POLE BASE MOUNTING DETAIL
SCALE: NONE

AREA RESERVED FOR CITY OF DALLAS PERMIT STAMP

5 LAY-IN LIGHT FIXTURE DETAIL
SCALE: NONE

4 PENDANT MOUNTED EXIT SIGN DETAIL
SCALE: NONE

Kirksey ARCHITECTURE
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ANH VIET NGUYEN, P.E.
TEXAS REGISTRATION #94936

ANH V. NGUYEN 94936 LICENSED PROFESSIONAL ENGINEER
11/11/2024

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ELECTRICAL DETAILS

SHEET NUMBER
E10.05

CAMPOS ENGINEERING
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Registration No: F-001731
Project Number: D24-3447.00

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LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	VOLTAGE	LAMP/TYPE	MOUNTING	MANUFACTURER/CATALOG #	INPUT WATTAGE	DLC / ENERGY STAR	COMMENTS
A	2'X 4' RECESS MOUNTED	MVOLT	LED	RECESSED	LITHONIA / STAK 2X4 4000LM 80CRI 40K COL MIN10 ZT MVOLT	33.2	YES	
B	1'X 4' SURFACE DIRECT MOUNTED	MVOLT	LED	DIRECT	LITHONIA / CPANL 1X4 ALO1 SWW7 3300 40K 80CRI MVOLT DCMK14	31	YES	
C	HIGH BAY GYM LIGHT (12"W X 24"L X 2.4"H)	MVOLT	LED	PENDANT	LUX DYNAMIC / L2-18LM SA 840 2 U10 WP T [CORD] [MOUNTING] M GYM	116	YES	
D	2'X 4' SURFACE MOUNTED	MVOLT	LED	DIRECT	LITHONIA / CPANL 2X4 AL06 SWW7 4000 40K 80CRI MVOLT DCMK24	36	YES	
F	6" ROUND OPEN DOWNLIGHT	MVOLT	LED	RECESSED	LITHONIA / LDN6 40/25 L06 AR LSS MVOLT GZ10	22.5	YES	
G	EXTERIOR WALL PACK	MVOLT	LED	SURFACE	LITHONIA WDGE4 LED P2 40K 70CRI RFT MVOLT [FINISH]	109	YES	
H	7" X 4' LINEAR WALL MOUNTED	MVOLT	LED	WALL MOUNTED	LUMINAIRE LED / CLF7 4FT NODIM 25W 40K MVOLT OP [FINISH]	27	NO	
J	EXTERIOR CANOPY	MVOLT	LED	SURFACE	BROWNLEE / 7171 12 B12 40K P02	12	NO	INTEGRAL PHOTOCELL [277V]
K	STRIP LIGHTS	MVOLT	LED	SURFACE	LITHONIA / CSS L48 4000LM MVOLT 40K 80CRI	35.3	YES	
L	2' X 4' AUDITORIUM	MVOLT	LED	RECESSED	LITHONIA / STAK 2X4 7200LM 80CRI 40K COLT MIN1 ZT MVOLT	55.2	YES	
M	RECESSED REMODEL 6 INCH WET LOCATION DOWNLIGHT	MVOLT	LED	RECESSED	LITHONIA / LBR6 20LM 40K AR LSS WD MVOLT UGZ WL	25	YES	NEW CONSTRUCTION HOUSING ACCESSORY AVAILABLE AS NEEDED.
N	4 FT VAPORTIGHT WITH SWITCHABLE LUMEN VALUES	MVOLT	LED	RECESSED	LITONIA CSVT L48 ALO3 MVOLT SWWS 80CRI	42	YES	ELEVATOR PIT
SA	SINGLE HEAD LED FLOOD POLE LIGHT	MVOLT	LED	POLE LIGHT	LITHONIA / DSX1 LED P9 40K 80CRI TSM MVOLT SPA HS [FINISH] / SNS 25 40 7 AB [FINISH]	277	YES	25 FOOT MOUNTING
SB	SINGLE HEAD LED POLE LIGHT	MVOLT	LED	POLE LIGHT	LITHONIA / RAD1 P3 40K ASY MVOLT RPA [FINSH] / RNS 14 45 11 AB [FINISH]	70	YES	14FT PEDESTRIAN LIGHT - ROUND POLE
EM	EMERGENCY BUG EYE	MVOLT	LED	WALL MOUNTED	LITHONIA / ELM2L - WPVS SML W	3	NO	VANDAL SHIELD ACCESSORY
EM1	EMERGENCY EGRESS WET LOCATION	MVOLT	LED	WALL MOUNTED	LUMINAIRE LED / BLD 24IN MIN10 20W 40K MVOLT DP [FINISH] EMB310ST	20	NO	MOUNT OVER EGRESS DOOR
EM2	SIMILAR TO TYPE "EM1" EXCEPT SIZE	MVOLT	LED	WALL MOUNTED	LUMINAIRE LED / BLD 36IN MIN10 30W 40K MVOLT DP [FINISH] EMB310ST	30	NO	MOUNT OVER EGRESS DOOR
X	SINGLE FACE EXIT LIGHT	MVOLT	LED	RECESSED	LITHONIA / LQC -1 -R EL N	3	NO	
X1	DOUBLE FACE EXIT LIGHT	MVOLT	LED	RECESSED	LITHONIA / LQC -2 -R EL N	3	NO	

NOTES
1. THE ARCHITECT SHALL REVIEW AND DETERMINE FINISH AND LAMP COLOR OF ALL FIXTURES.
2. SUBSTITUTIONS: ALL SUBSTITUTED LIGHTS MUST MEET OR EXCEED SPECIFIED LIGHT SPECIFICATION DEMONSTRATED BY PHOTOMETRIC STUDY AND TABLE TOP SAMPLE UPON REQUEST. 10DAY PRIOR APPROVAL REQUIRED FOR REVIEW PRIOR TO BID DATE. APPROVED MANUFACTURERS WILL BE NOTED BY ADDENDUM.

BRANCH CIRCUIT SCHEDULE

BREAKER RATING	WIRE + CONDUIT SIZE
15A/1P, 15A/2P	2#12, #12G, 3/4"C
20A/1P, 20A/2P	2#12, #12G, 3/4"C
25A/1P, 25A/2P	2#10, #10G, 3/4"C
30A/1P, 30A/2P	2#10, #10G, 3/4"C
35A/1P, 35A/2P	2#8, #10G, 3/4"C
40A/1P, 40A/2P	2#8, #10G, 3/4"C
45A/1P, 45A/2P	2#6, #10G, 1"C
50A/1P, 50A/2P	2#6, #10G, 1"C
60A/1P, 60A/2P	2#4, #10G, 1"C
70A/1P, 70A/2P	2#4, #8G, 1"C
80A/1P, 80A/2P	2#3, #8G, 1-1/4"C
15A/3P	3#12, #12G, 3/4"C
20A/3P	3#12, #12G, 3/4"C
25A/3P	3#10, #10G, 3/4"C
30A/3P	3#10, #10G, 3/4"C
35A/3P	3#8, #10G, 3/4"C
40A/3P	3#8, #10G, 3/4"C
45A/3P	3#6, #10G, 1"C
50A/3P	3#6, #10G, 1"C
60A/3P	3#4, #10G, 1"C
70A/3P	3#4, #8G, 1"C
80A/3P	3#3, #8G, 1-1/4"C
90A/3P	3#2, #8G, 1-1/4"C
100A/3P	3#1, #8G, 1-1/2"C
110A/3P	3#1, #6G, 1-1/2"C
125A/3P	3#1, #6G, 1-1/2"C

NOTES:
1. ALL CONDUCTORS ARE COPPER, 75 DEGREE C RATED, UNLESS NOTED OTHERWISE.
2. CONDUCTOR SIZES INDICATED ARE MINIMUM ALLOWED, INCREASE SIZE AS REQUIRED TO ACCOUNT FOR VOLTAGE DROP.
3. FOR ALL CIRCUITS, PROVIDE ADDITIONAL NEUTRAL OR ISOLATED GROUND WIRE IF REQUIRED BY EQUIPMENT OR ELECTRICAL OUTLET SPECIFICATION.

(EX) PANEL 'LM'

SERVICE: 208Y/120V WYE, 3PH, 4W+G
MAIN TYPE: 60A MCB
AIC RATING: 10KAIC
FED FROM: TRANSFORMER TM
ENCLOSURE: TYPE 1
MOUNTING: SURFACE
LOCATION: MECHANICAL 131
FEED THRU LUGS: NO

CKT	DESCRIPTION	REM.	CB		A		B		C		CB		REM.	DESCRIPTION	CKT
1	SPACE ONLY		--	1	--	0					3	60 A		EXISTING MAIN	2
3	SPACE ONLY		--	1			--	0			--	--	--	--	4
5	SPACE ONLY		--	1					--	0	--	--	--	--	6
7	EXISTING		20 A	1	400	400					1	20 A		EXISTING	8
9	EXISTING		20 A	1			400	**500**			**1**	**20 A**		**RELAY PANEL**	10
11	EXISTING		20 A	1					400	0	1	20 A		EXISTING SPARE	12
13	SPARE		20 A	1	400	400					1	20 A		EXISTING	14
15	SPARE		20 A	1			0	0			1	20 A		EXISTING SPARE	16
17	**MAU-1**		**30 A**	**3**					**2,295**	0	1	20 A		SPARE	18
19	**--**	**--**	**--**	**--**	**2,295**	400					1	20 A		EXISTING	20
21	**--**	**--**	**--**	**--**			**2,295**	**420**			**3**	**20 A**		**KEH-1**	22
23	EXISTING SPARE		20 A	1					0	**420**	**--**	**--**	**--**	**--**	24
25	EXISTING		20 A	1	400	**420**					**--**	**--**	**--**	**--**	26
27	EXISTING		20 A	1			400	**2,080**			**2**	**40 A**		**CU-3**	28
29	EXISTING		20 A	1					400	**2,080**	**--**	**--**	**--**	**--**	30

LOAD CLASSIFICATION	CONNECTED LOAD	DEMAND LOAD
MISCELLANEOUS	500 VA	500 VA
MOTORS	12305 VA	14026 VA
Spare	4000 VA	4000 VA

REMARKS:
A: ARC FAULT TYPE BREAKER.
G: GFCI TYPE BREAKER.
L: LOCK OFF BREAKER.
ST: SHUNT TRIP TYPE BREAKER.
EX: EXISTING BREAKER.

WIRE SIZE:
REFER TO BRANCH CIRCUIT SCHEDULE FOR WIRE AND CONDUIT SIZE.

PANEL TOTALS	KVA	AMPS
TOTAL PHASE A:	5.12	43
TOTAL PHASE B:	6.1	51
TOTAL PHASE C:	5.6	47
TOTAL CONNECTED:	16.81	47
TOTAL DEMAND:	18.53	51

NOTES:
1. MOVE EXISTING CIRCUIT FROM #26 TO SPARE CIRCUIT #28.

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E11.01

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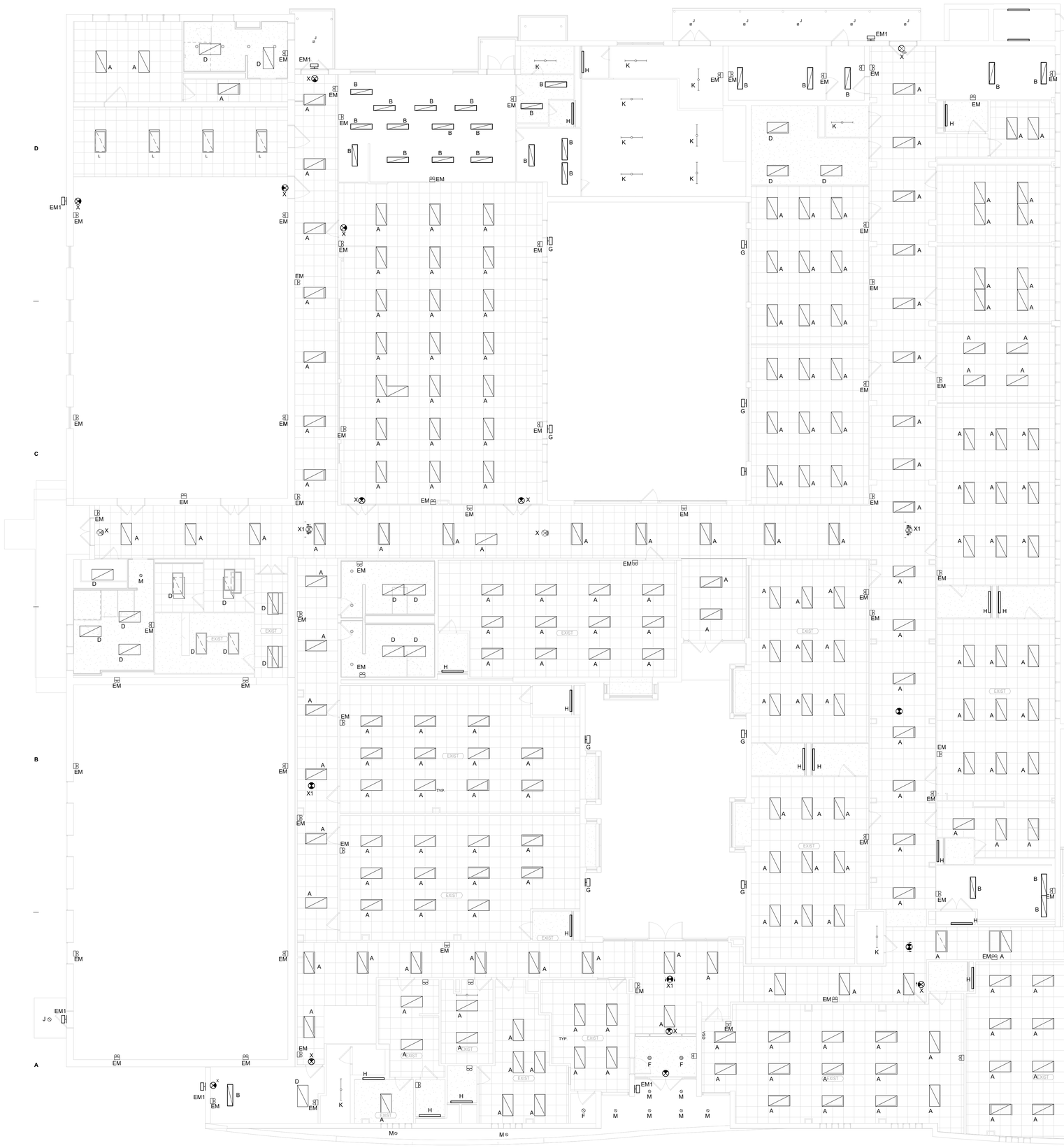

1/8" = 1'-0"

LEVEL 1 LIGHTING OVERALL | A5

LIGHTING SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C	ALL NEW INSTALLATION AND PRODUCTS MUST MEET AND COMPLY WITH ADOPTED ELECTRICAL, INTERNATIONAL ENERGY CONSERVATION CODES AND LATEST DISD TECHNICAL DESIGN GUIDELINES.
D	PROVIDE ON/OFF TOGGLE SWITCH IN MECHANICAL AND ELECTRICAL ROOMS.

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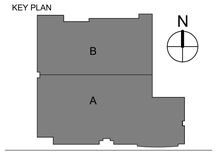

SHEET TITLE

LEVEL 1 LIGHTING OVERALL

SHEET NUMBER

E12.01

CAMPOS ENGINEERING

1331 River Bend Drive
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campos@camposengineering.com
Registration No: F-001731
Project Number: D24-3447.00

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1/8" = 1'-0"

LEVEL 2 LIGHTING OVERALL | A5

LIGHTING SHEET NOTES

A	REFER TO SYMBOL LEGEND AND GENERAL NOTES FOR ADDITIONAL INFORMATION.
B	REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
C	ALL NEW INSTALLATION AND PRODUCTS MUST MEET AND COMPLY WITH ADOPTED ELECTRICAL, INTERNATIONAL ENERGY CONSERVATION CODES AND LATEST DISD TECHNICAL DESIGN GUIDELINES.
D	PROVIDE ON/OFF TOGGLE SWITCH IN MECHANICAL AND ELECTRICAL ROOMS.

AREA RESERVED FOR CITY OF DALLAS PERMIT STAMP

Kirksey ARCHITECTURE

Dallas + Houston + Austin

143 Manufacturing Street

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214 522 1100

kirksey.com

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PROJECT NAME

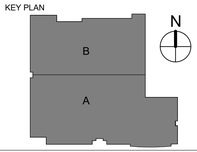
Org 194 K.B. Polk Center for Academically Talented & Gifted

PROJECT ADDRESS

6911 Victoria Ave, Dallas, TX 75209

KIRKSEY PROJECT NO. 2023351

KEY PLAN



SHEET TITLE

LEVEL 2 LIGHTING OVERALL

SHEET NUMBER

E12.02

CAMPOS ENGINEERING

1331 River Bend Drive
Dallas, Texas 75247
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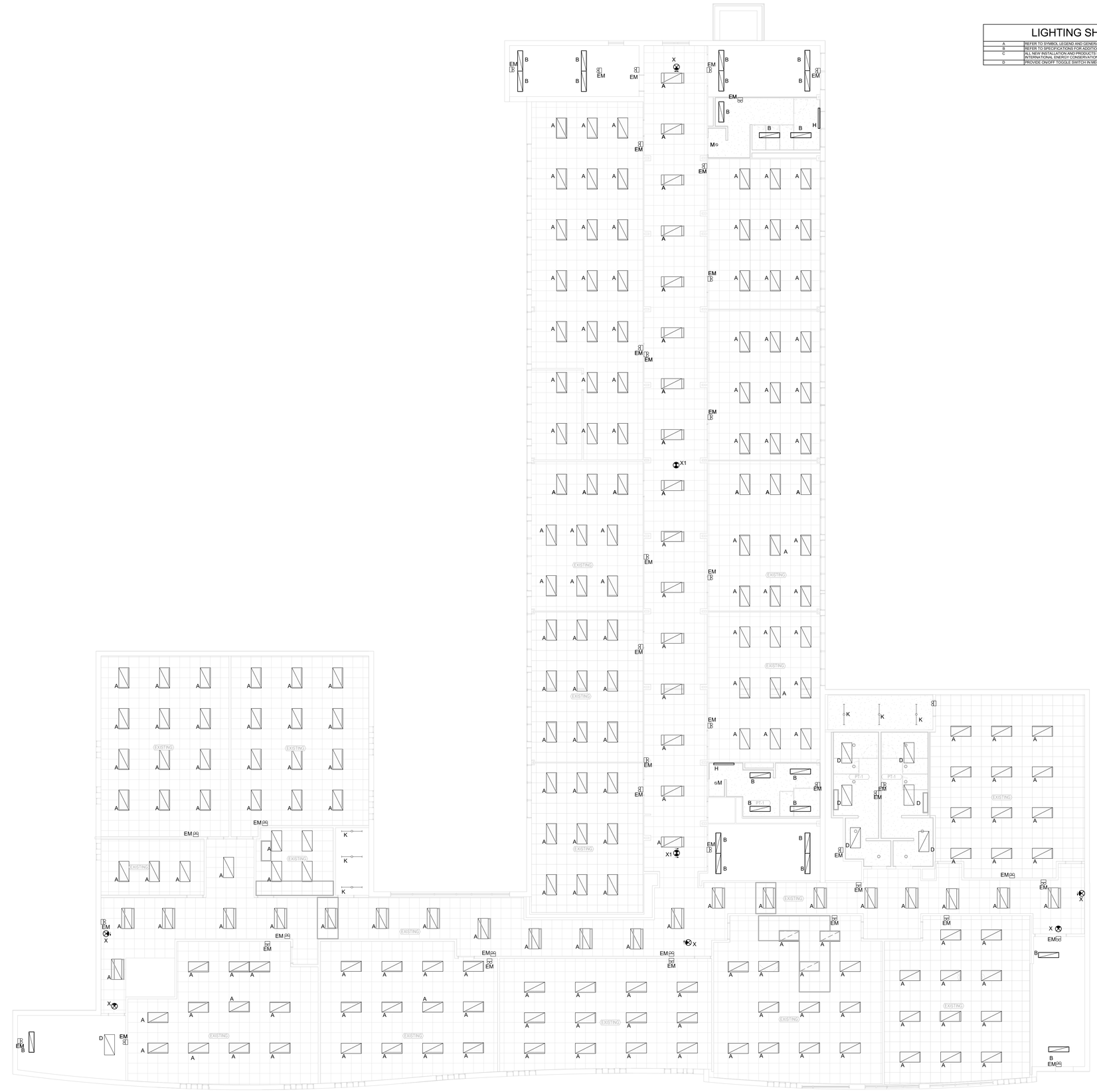

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LEVEL 3 LIGHTING OVERALL | A5

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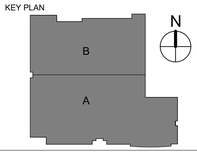

SHEET TITLE

LEVEL 3 LIGHTING OVERALL

SHEET NUMBER

E12.03

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(214) 696-6291
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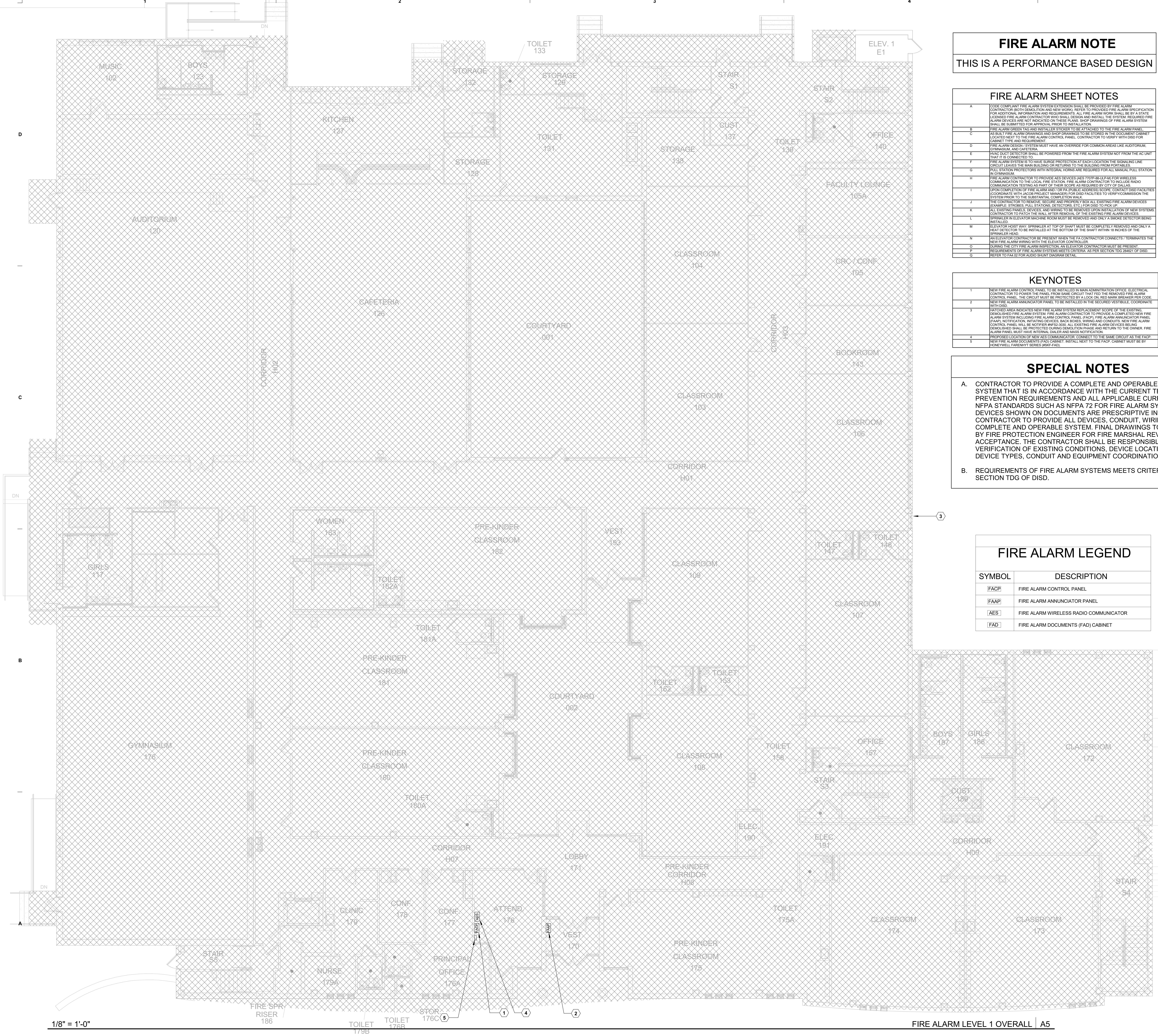

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FIRE ALARM LEVEL 1 OVERALL | A5

FIRE ALARM NOTE

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FIRE ALARM SHEET NOTES

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B	FIRE ALARM GREEN TAG AND INSTALLER STICKER TO BE ATTACHED TO THE FIRE ALARM PANEL.
C	AS BUILT FIRE ALARM DRAWINGS AND SHOP DRAWINGS TO BE STORED IN THE DOCUMENT CABINET LOCATED NEXT TO THE FIRE ALARM CONTROL PANEL. CONTRACTOR TO VERIFY WITH DISD FOR CABINET TYPE AND REQUIREMENT.
D	FIRE ALARM DESIGN / SYSTEM MUST HAVE AN OVERRIDE FOR COMMON AREAS LIKE AUDITORIUM, GYMNASIUM, AND CAFETERIA.
E	HVAC DUCT DETECTOR SHALL BE POWERED FROM THE FIRE ALARM SYSTEM NOT FROM THE AC UNIT THAT IT IS CONNECTED TO.
F	FIRE ALARM SYSTEM IS TO HAVE SURGE PROTECTION AT EACH LOCATION THE SIGNALING LINE CIRCUIT LEAVES THE MAIN BUILDING OR RETURNS TO THE BUILDING FROM PORTABLES.
G	PULL STATION PROTECTORS WITH INTEGRAL HORNS ARE REQUIRED FOR ALL MANUAL PULL STATION IN GYMNASIUM.
H	FIRE ALARM CONTRACTOR TO PROVIDE AES DEVICES (AES 7707P-88-ULP-M) FOR WIRELESS COMMUNICATION TO THE LOCAL FIRE STATION. FIRE ALARM CONTRACTOR TO INCLUDE RADIO COMMUNICATION TESTING AS PART OF THEIR SCOPE AS REQUIRED BY CITY OF DALLAS.
I	UPON COMPLETION OF FIRE ALARM AND / OR PA (PUBLIC ADDRESS) SCOPE, CONTACT DISD FACILITIES (COORDINATE WITH JACOB PROJECT MANAGER) FOR DISD FACILITIES TO VERIFY/COMMISSION THE SYSTEM PRIOR TO THE SUBSTANTIAL COMPLETION WALK.
J	THE CONTRACTOR TO REMOVE, SECURE AND PROPERLY BOX ALL EXISTING FIRE ALARM DEVICES (EXAMPLE: STROBES, PULL STATIONS, DETECTORS, ETC.) FOR DISD TO PICK UP.
K	ALL EXISTING PANELS, DEVICES, AND WIRING TO BE REMOVED UPON INSTALLATION OF NEW SYSTEMS. CONTRACTOR TO PATCH THE WALL AFTER REMOVAL OF THE EXISTING FIRE ALARM DEVICES.
L	SPRINKLER IN ELEVATOR MACHINE ROOM MUST BE REMOVED AND ONLY A SMOKE DETECTOR BEING INSTALLED.
M	ELEVATOR HOIST WAY: SPRINKLER AT TOP OF SHAFT MUST BE COMPLETELY REMOVED AND ONLY A HEAT DETECTOR TO BE INSTALLED AT THE BOTTOM OF THE SHAFT WITHIN 18 INCHES OF THE SPRINKLER HEAD.
N	AN ELEVATOR CONTRACTOR BE PRESENT WHEN THE FA CONTRACTOR CONNECTS / TERMINATES THE NEW FIRE ALARM WIRING WITH THE ELEVATOR CONTROLLER.
O	DURING THE CITY FIRE ALARM INSPECTION, AN ELEVATOR CONTRACTOR MUST BE PRESENT.
P	REQUIREMENTS OF FIRE ALARM SYSTEMS MEETS CRITERIA AS PER SECTION TDG 284621 OF DISD.
Q	REFER TO FA4.02 FOR AUDIO SHUNT DIAGRAM DETAIL.

KEYNOTES

1	NEW FIRE ALARM CONTROL PANEL TO BE INSTALLED IN MAIN ADMINITRATION OFFICE. ELECTRICAL CONTRACTOR TO POWER THE PANEL FROM SAME CIRCUIT THAT FED THE REMOVED FIRE ALARM CONTROL PANEL. THE CIRCUIT MUST BE PROTECTED BY A LOCK ON, RED MARK BREAKER PER CODE.
2	NEW FIRE ALARM ANNUNCIATOR PANEL TO BE INSTALLED IN THE SECURED VESTIBULE, COORDINATE WITH DISD.
3	HATCHED AREA INDICATES NEW FIRE ALARM SYSTEM REPLACEMENT SCOPE OF THE EXISTING, DEMOLISHED FIRE ALARM SYSTEM. FIRE ALARM CONTRACTOR TO PROVIDE A COMPLETED NEW FIRE ALARM SYSTEM INCLUDING FIRE ALARM CONTROL PANEL (FACP), FIRE ALARM ANNUNCIATOR PANEL (FAAP), NOTIFICATION, INITIATING DEVICES, BACK BOXES, WIRING AND CONDUITS. NEW FIRE ALARM CONTROL PANEL WILL BE NOTIFIER #NFS2-3030. ALL EXISTING FIRE ALARM DEVICES BELING DEMOLISHED SHALL BE PROTECTED DURING DEMOLITION PHASE AND RETURN TO THE OWNER. FIRE ALARM PANEL MUST HAVE INTERNAL DIALER AND MASS NOTIFICATION.
4	PROPOSED LOCATION OF NEW AES COMMUNICATOR. CONNECT TO THE SAME CIRCUIT AS THE FACP.
5	NEW FIRE ALARM DOCUMENTS (FAD) CABINET. INSTALL NEXT TO THE FACP. CABINET MUST BE BY HONEYWELL FARENHYT SERIES (#SKF-FAD).

SPECIAL NOTES

A. CONTRACTOR TO PROVIDE A COMPLETE AND OPERABLE FIRE ALARM SYSTEM THAT IS IN ACCORDANCE WITH THE CURRENT TEXAS FIRE PREVENTION REQUIREMENTS AND ALL APPLICABLE CURRENT CODES AND NFPA STANDARDS SUCH AS NFPA 72 FOR FIRE ALARM SYSTEMS. ANY DEVICES SHOWN ON DOCUMENTS ARE PRESCRIPTIVE IN NATURE. CONTRACTOR TO PROVIDE ALL DEVICES, CONDUIT, WIRING, ETC. FOR A COMPLETE AND OPERABLE SYSTEM. FINAL DRAWINGS TO BE PREPARED BY FIRE PROTECTION ENGINEER FOR FIRE MARSHAL REVIEW AND ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIELD VERIFICATION OF EXISTING CONDITIONS, DEVICE LOCATIONS, QUANTITES, DEVICE TYPES, CONDUIT AND EQUIPMENT COORDINATION PRIOR TO BID.

B. REQUIREMENTS OF FIRE ALARM SYSTEMS MEETS CRITERIA AS PER SECTION TDG OF DISD.

FIRE ALARM LEGEND

SYMBOL	DESCRIPTION
FACP	FIRE ALARM CONTROL PANEL
FAAP	FIRE ALARM ANNUNCIATOR PANEL
AES	FIRE ALARM WIRELESS RADIO COMMUNICATOR
FAD	FIRE ALARM DOCUMENTS (FAD) CABINET

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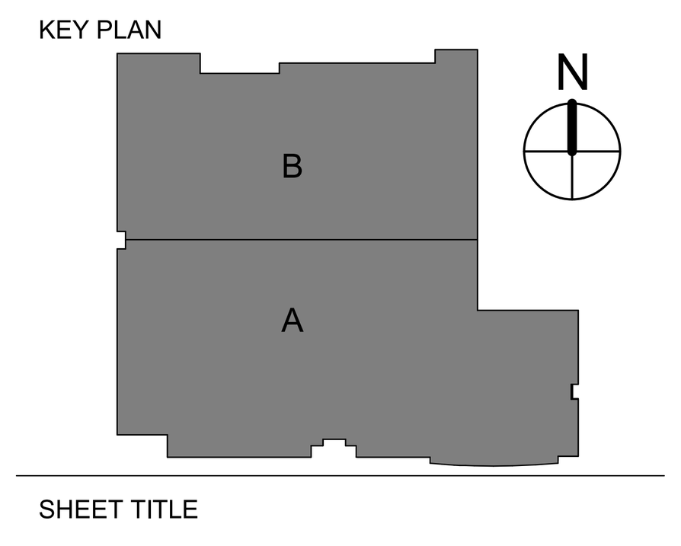
KIRKSEY PROJECT NO. 2023351

KEY PLAN



SHEET TITLE

FIRE ALARM LEVEL 1 OVERALL

CAMPOS ENGINEERING
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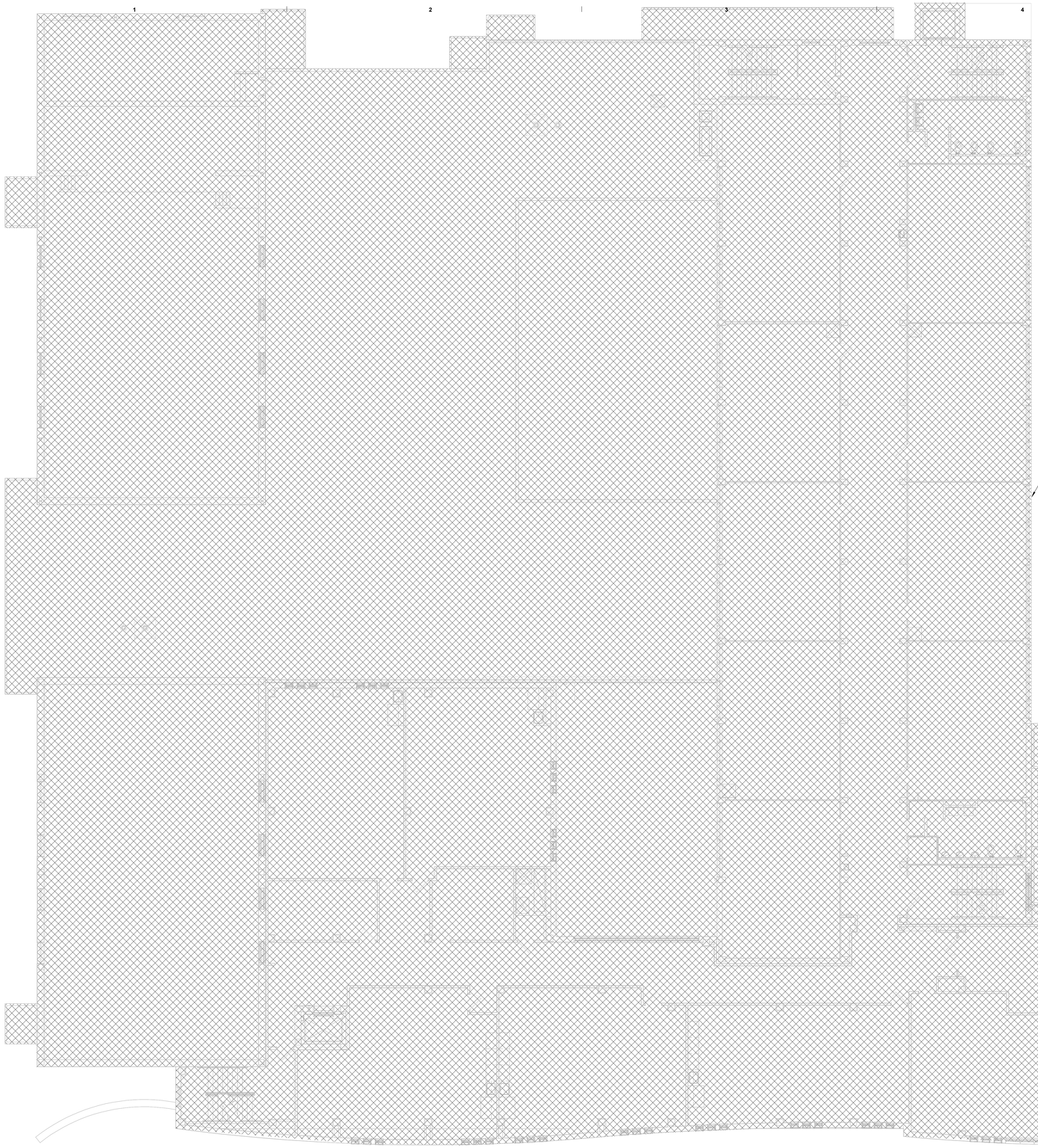

1/8" = 1'-0"

FIRE ALARM LEVEL 2 OVERALL | A5

FIRE ALARM NOTE

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FIRE ALARM SHEET NOTES

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F	FIRE ALARM SYSTEM IS TO HAVE SURGE PROTECTION AT EACH LOCATION THE SIGNALING LINE CIRCUIT LEAVES THE MAIN BUILDING OR RETURNS TO THE BUILDING FROM PORTABLES.
G	PULL STATION PROTECTORS WITH INTEGRAL HORNS ARE REQUIRED FOR ALL MANUAL PULL STATION IN GYMNASIUM.
H	FIRE ALARM CONTRACTOR TO PROVIDE AES DEVICES (AES 7707P-868-LEM) FOR WIRELESS COMMUNICATION TO THE LOCAL FIRE ALARM. FIRE ALARM CONTRACTOR TO INCLUDE RADIO COMMUNICATION TESTING AS PART OF THE SCOPE AS REQUIRED BY CITY OF DALLAS.
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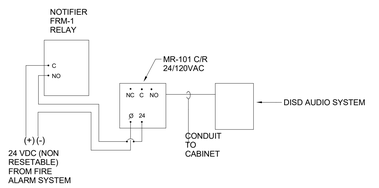
Q	REFER TO FA4.02 FOR AUDIO SHUNT DIAGRAM DETAIL



1 AUDIO SHUNT DIAGRAM

SCALE: NO SCALE

DISCLAIMER NOTE

THE ABOVE DETAIL IS PROVIDED BY DISD CONSTRUCTION SAFETY AND QUALITY SERVICE/ALARM DEPARTMENT FOR FIRE ALARM CONTRACTOR TO COORDINATE WITH AUDIO/VISUAL SYSTEM CONTRACTOR AND INCLUDE IN THEIR INSTALLATION AND PROGRAMMING SCOPE. FIRE ALARM CONTRACTOR MUST COMMUNICATE WITH THE DISD FOR ANY RELATED TECHNICAL AND INSTALLATION QUESTIONS OF THIS DETAIL.

KEYNOTES

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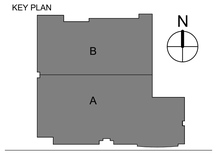

SHEET TITLE

FIRE ALARM LEVEL 2 OVERALL

SHEET NUMBER

FA4.02

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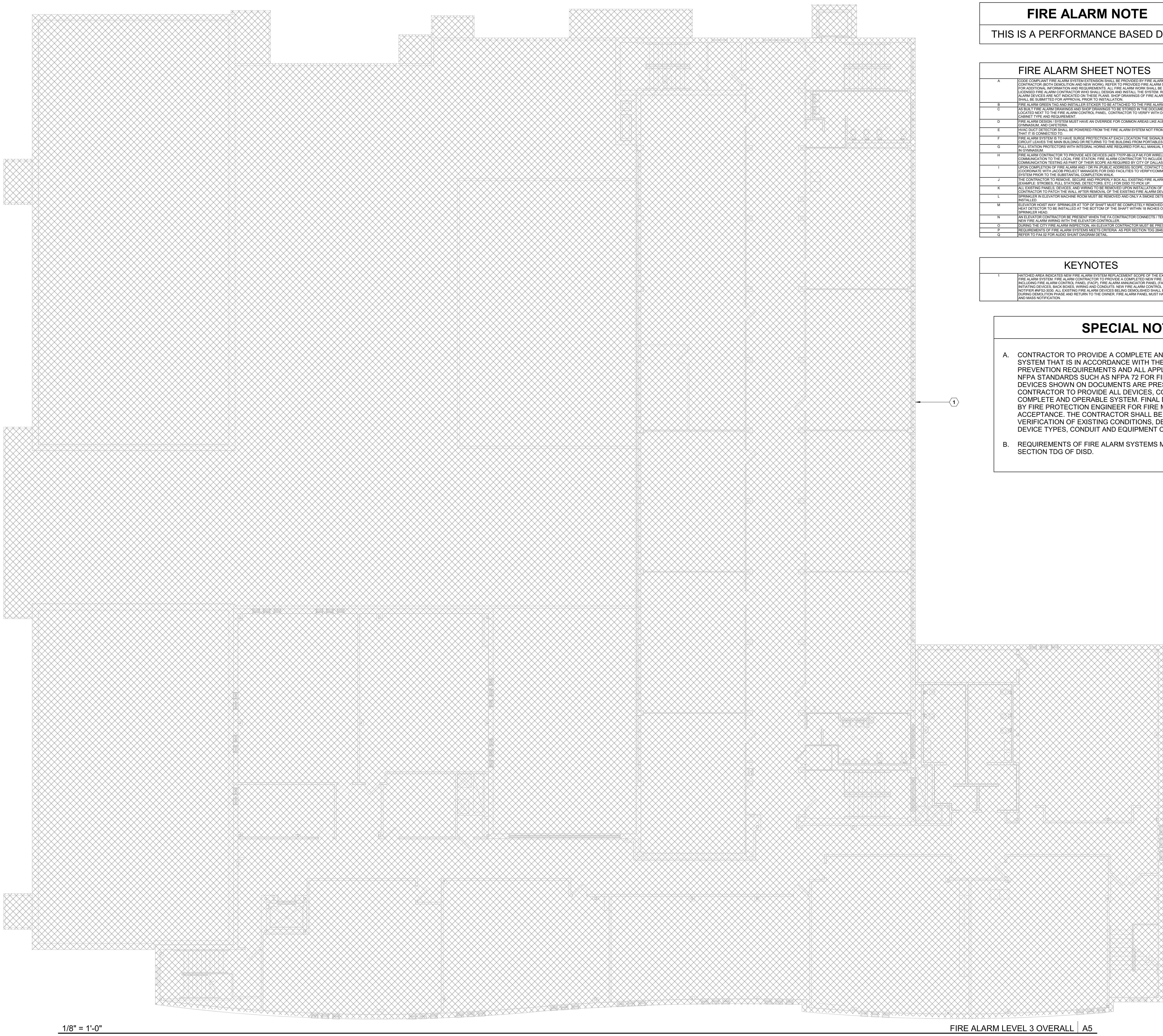

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FIRE ALARM LEVEL 3 OVERALL | A5

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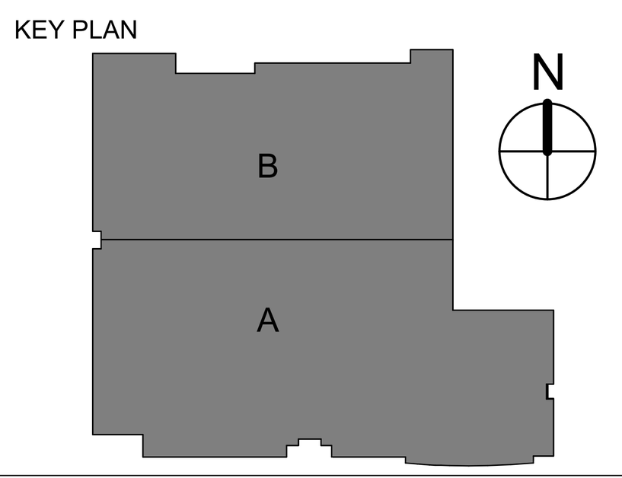

SHEET TITLE
FIRE ALARM LEVEL 3 OVERALL

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