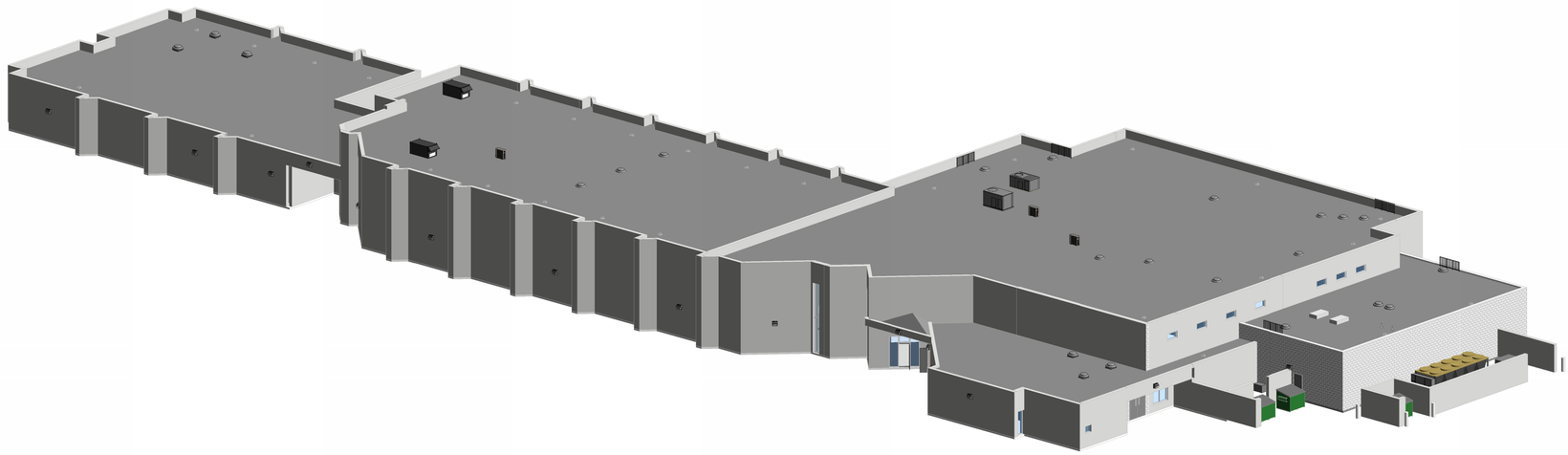
RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT
JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

LBL ARCHITECTS
Listen. Build. Lead.

VOLUME 1 11/11/24

FOR CONSTRUCTION



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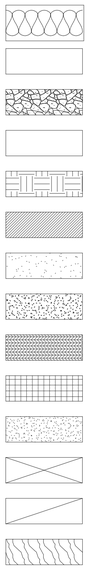
ABBREVIATIONS

ACT.	ACTUAL
ADJ.	ADJUSTABLE
A.F.F.	ABOVE FINISH FLOOR
A.F.S.	ABOVE FINISH SLAB
AGG.	AGGREGATE
AHJ	AUTHORITY HAVING JURISDICTION
ALUM.	ALUMINUM
BLDG.	BUILDING
BK.	BRICK
BM.	BEAM
CAB.	CABINET
CPT.	CARPET
C.J.	CONTROL JOINT
CL	CENTERLINE
CG	CORNER GUARD
CLG.	CEILING
COL.	COLUMN
CONC.	CONCRETE
COND.	CONDITION
CONT.	CONTINUOUS
C.T.	COUNTERTOP
DBL.	DOUBLE
DEMO.	DEMOLITION
DIA.	DIAMETER
DIM.	DIMENSION
DISP.	DISPENSER
DN.	DOWN
DWG.	DRAWING
E.W.C.	ELECTRIC WATER COOLER
EA.	EACH
E.J.	EXPANSION JOINT
EQ.	EQUAL
EXP.	EXPANSION
E.W.	EACH WAY
EXT.	EXTERIOR
EXIST.	EXISTING
F.E.C.	FIRE EXTINGUISHER CABINET
F.D.	FINISH DIMENSION
F.D.V.B.	FIRE DEPARTMENT VALVE BOX
F.F.	FINISH FLOOR
FIN.	FINISH(ED)
FRT.	FIRE RETARDANT TREATED
G.I.	GALVANIZED IRON
G.B./GYP.BD.	GYPSUM BOARD
GA.	GAUGE
GALV.	GALVANIZED
GL.	GLASS
H.M.	HOLLOW METAL
H.S.	HORIZONTAL IN SPLASH
I.C.U.	INTENSIVE CARE UNIT
INT.	INTERIOR
INSUL.	INSULATION
I.T.C.	INSTALLED THIS CONTRACT
K.S.	KNEE SPACE
LAM.	LAMINATED
LAV.	LAVATORY
L.L.V.	LONG LEG VERTICAL
L.L.H.	LONG LEG HORIZONTAL
MANUF.	MANUFACTURER
MAX.	MAXIMUM
MECH.	MECHANICAL
MIN.	MINIMUM
M.O.	MASONRY OPENING
MTL.MET.	METAL
MNT.	MOUNTED
N/A	NOT APPLICABLE
NOM.	NOMINAL
N.T.S.	NOT TO SCALE
N.I.C.	NOT IN CONTRACT
O.C.	ON CENTER
O.D.	OVERFLOW DRAIN
O.H/OPP.H.	OPPOSITE HAND
P.D.	PLAN DIMENSION
PLAS. LAM.	PLASTIC LAMINATE
P.T.	PORCELAIN TILE
P.T.D.	PAPER TOWEL DISPENSER
RB	RUBBER BASE
R./REV.	REVISED/REVERSE
R./RAD.	RADIUS
REINF.	REINFORCE
REF.	REFERENCE/REFER TO
REQ'D	REQUIRED
R.D.	ROOF DRAIN
RM.	ROOM
R.O.	ROUGH OPENING
SCHED.	SCHEDULED
SHT.	SHEET
SIM.	SIMILAR
SL.	SLOPE
SP.	SPACE
S.S.	STAINLESS STEEL
S.S.V.	SOLID SURFACE VENEER
STL.	STEEL
SUSP.	SUSPENDED
S.V.	SHEET VINYL
T.A.S.	TEXAS ACCESSIBILITY STANDARDS
T.B.	TACK BOARD
T.D.H.	TEXAS DEPARTMENT OF HEALTH
TEMP. OR (T.)	TEMPERED GLASS
THK.	THICK
TOIL.	TOILET
TYP.	TYPICAL
U.C.	UNDER COUNTER
UCR	UNDER COUNTER REFRIGERATOR
U.L.	UNDERWRITERS LABORATORIES
U.N.O.	UNLESS NOTED OTHERWISE
UR	NEW URINAL
VCT	VINYL COMPOSITION TILE
V.I.F.	VERIFY IN FIELD
V.T.	VINYL TILE
VERT.	VERTICAL
W.C.	NEW WATER CLOSET
WDW.	WINDOW
WD.	WOOD
WH	WATER HEATER
W/	WITH
W/O	WITHOUT

MATERIALS LEGEND



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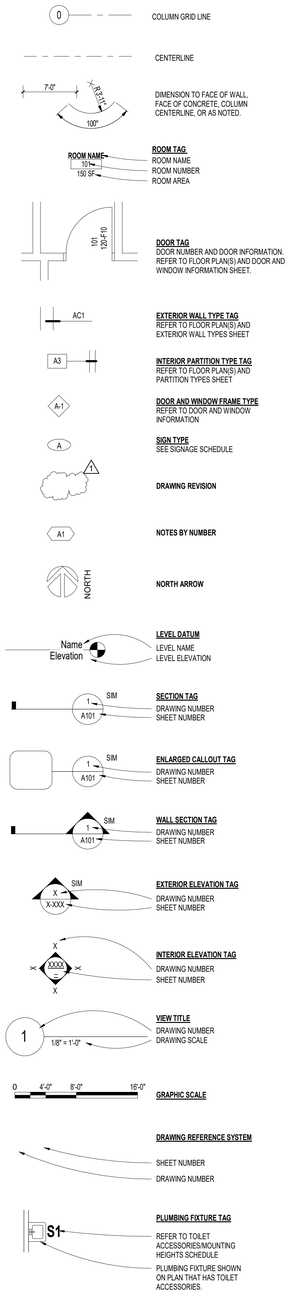

GENERAL NOTES

1. THE CONTRACT DRAWINGS AND THE PROJECT MANUAL COMPRISE THE CONTRACT DOCUMENTS. CONTRACTOR(S) SHALL BE FAMILIAR WITH ALL ASPECTS OF THE CONTRACT DOCUMENTS.
2. BY SUBMITTING A BID, THE CONTRACTOR(S) AGREE THAT THEIR WORK WILL BE IN COMPLIANCE WITH ALL APPLICABLE CODES, ORDINANCES, AND REGULATIONS IN EFFECT AT THE TIME OF THE BID SUBMITTAL.
3. THESE DRAWINGS SHALL NOT BE SCALED FOR CONSTRUCTION PURPOSES. IN THE EVENT OF OMISSION OF NECESSARY DIMENSIONS, CONTRACTOR SHALL NOTIFY THE ARCHITECT.
4. VERIFY ALL DIMENSIONS, GRADES, AND EXISTING CONDITIONS AT JOB SITE. WHERE DIMENSIONS ARE LABELED "VERIFY" OR "V.I.F.", THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IF DIMENSION VARIES FROM DIMENSION SHOWN PRIOR TO CONSTRUCTING WALLS.
5. VERIFY SIZE AND LOCATIONS OF ALL OPENINGS WITH CONTRACTORS INVOLVED, INCLUDING MECHANICAL AND ELECTRICAL AND PROVIDE OPENINGS AS REQUIRED. NO OPENINGS SHALL BE MADE THROUGH STRUCTURAL COMPONENTS WITHOUT PRIOR APPROVAL FROM THE ARCHITECT.
6. THE PROJECT SHALL BE CONSTRUCTED TO BE ACCESSIBLE TO PERSONS WITH DISABILITIES AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
7. ERRORS AND/OR OMISSIONS IN ROOM, DOOR, OR WINDOW SCHEDULES DO NOT RELIEVE THE CONTRACTOR FROM EXECUTING WORK SHOWN ON THE DRAWINGS OR DESCRIBED IN THE SPECIFICATIONS.

GENERAL PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE FOLLOWING:

PROJECT TYPE	YES	NO
NEW CONSTRUCTION: (COMPLETELY NEW BUILDING AND SITE WORK)		●
ADDITION: (NEW CONSTRUCTION TO INCREASE SIZE OF EXISTING BUILDING)		●
RENOVATION: (REPLACEMENT OF EXISTING BUILDING COMPONENTS)	●	
SYSTEM UPGRADES	●	

ITEM	YES	NO
NEW STRUCTURAL SYSTEM		●
EXISTING STRUCTURAL SYSTEM AFFECTED		●
EXISTING EXTERIOR WALLS AFFECTED		●
EXTERIOR WALLS		●
EXISTING INTERIOR WALLS AFFECTED	●	
EXISTING INTERIOR FINISHES AFFECTED	●	
EXISTING ROOFING AFFECTED:		●
HVAC SYSTEMS AFFECTED:	●	
PLUMBING SYSTEMS AFFECTED:	●	
ELECTRICAL SYSTEMS AFFECTED:	●	

ALTERNATES LIST

ADD ALTERNATE #1 - Remove and replace acoustical lay-in ceiling tile and grid in classroom wing hallways as shown on sheets 5.00 thru 5.07B.

ADD ALTERNATE #2 - Replace teaching surfaces at selected classrooms as shown on sheets 2.00, 2.01. 2.02 and 2.03.

ADD ALTERNATE #3 - Replace 21 exhaust fans as shown on sheets MP-1.06 and MP-2.06.

ADD ALTERNATE #4 - In lieu of replacing countertops and refinishing / re-staining classroom millwork (as shown on sheets#2.00 thru 2.07B), provide cost difference (either additional or deductive) for removing and replacing classroom millwork shown on sheets 2.00 thru 2.07B to include counters, sinks, and splashes. New millwork to comply with TAS/ADA and be Red Oak in "Custom Grade" as defined by the North America Architectural Woodwork standards. Cabinets to include: 9 lineal feet (L.F.) of uppers cabinets, 3 L.F. of base cabinet, 3 L.F. drawer base Cabinet and 3 L.F. sink apron, (2) – 3 L.F. tall lockable wardrobe type cabinets. Stain finishes with low VOC content stain. New countertops and splashes to be plastic laminate. Install new sinks and fixtures as specified in MEP. Install new paper towel and soap dispenser in front of sinks. Patch and paint entire wall where existing millwork is removed.

ANY FURNITURE THAT MOVES AS A RESULT OF THE RENOVATION (THAT IS NEEDED TO COMPLETE THE RENOVATION WORK) TO BE PREFORMED BY THE GENERAL CONTRACTOR. DALLAS ISD WILL NOT PROVIDE ANY MOVER. ANY REFERENCE MADE FOR DISD TO PROVIDE MOVERS SHALL BE VOIDED AND MUST BE IGNORED.

REFER TO HAZMAT TASK 1 REPORT FOR HAZMAT SCOPE IN PROJECT MANUAL. ANY ASBESTOS ABATEMENT REQUIRED TO PERFORM THE WORK, TO BE DONE BY THE CONTRACTOR. DISD WILL NOT PROVIDE ASBESTOS ABATEMENT CONTRACTOR.

SCHOOL ELEVATOR CANNOT BE USED BY THE CONSTRUCTION WORKERS AND /OR TO TRANSPORT CONSTRUCTION MATERIAL.

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PRIMERA DESIGN ASSOCIATES
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FORT WORTH, TEXAS 76116
(817) 338-1277

YAGGI ENGINEERING
5940 INTERSTATE 20 W
ARLINGTON, TX 76017
(817) 483-2373

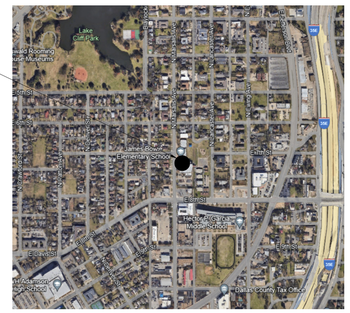
CIVIL AND LANDSCAPE CONSULTANT

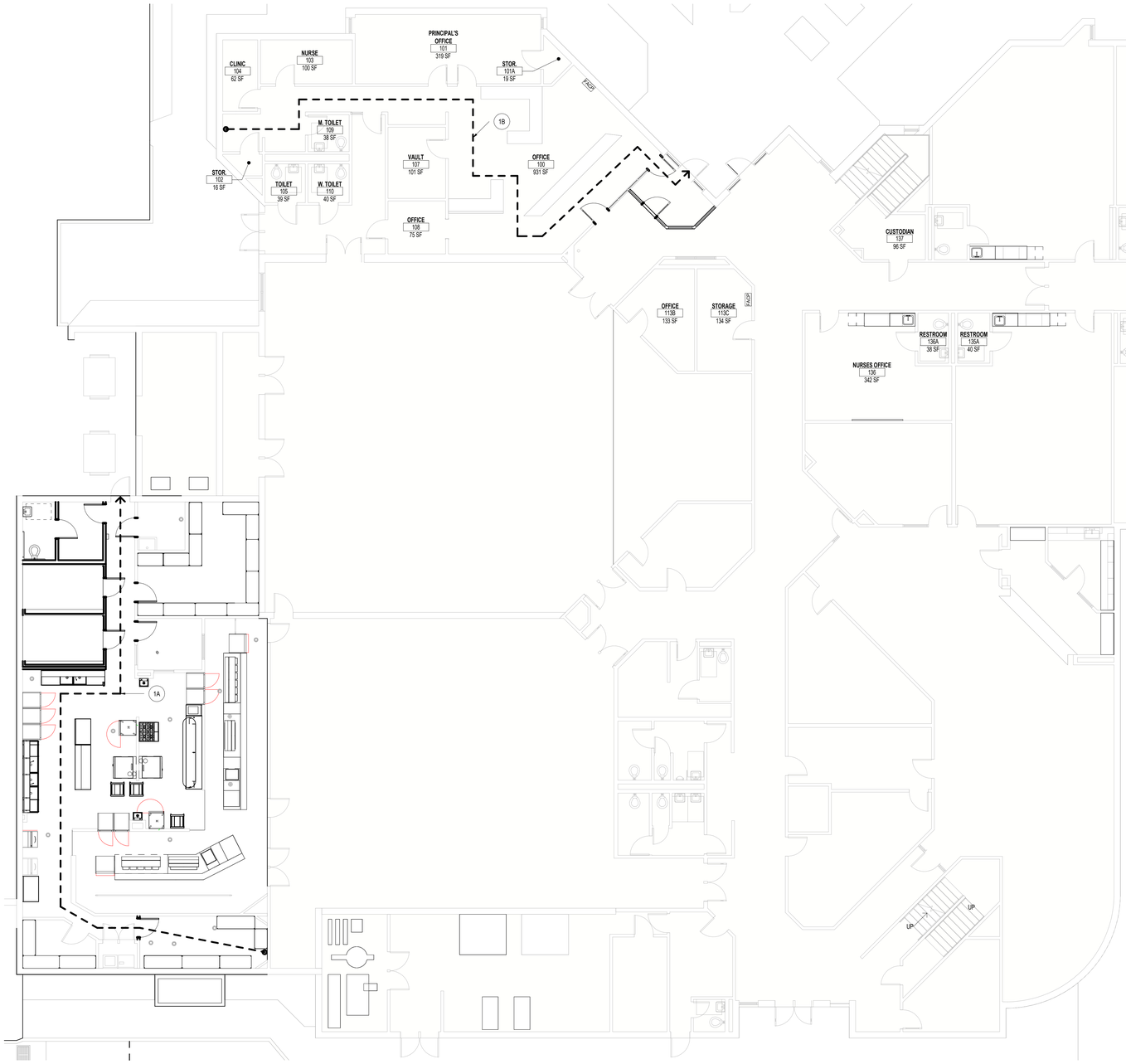
MJ THOMAS
4700 BRYANT IRVIN CT SUITE 204,
FORT WORTH, TX 76107
(817) 732-9839

KITCHEN CONSULTANT

JMK FOOD SERVICE CONSULTING & DESIGN, LLC
P.O. BOX 2345
WYLIE, TX 75098
(214) 227-2481

PROJECT LOCATION


Lake Cliff Park
Dallas Zoo
Dallas Museum of Art
Dallas Arts District
Dallas Museum of Art
Dallas Police Museum
Dallas Police Department
Dallas Police Headquarters
Dallas County Tax Office



1 LIFE SAFETY PLAN
1/8" = 1'-0"

NORTH

LIFE SAFETY SYMBOLS

- XX — PATH OF TRAVEL & DIRECTION OF EGRESS (FOR CUMULATIVE DISTANCES REFER TO TRAVEL DISTANCE SCHEDULE)
- FILLED IN TRIANGLE REPRESENTS SIGN FACE; ARROW SHOWS DIRECTION OF EXIT TRAVEL — REFER TO ELECTRICAL DRAWINGS FOR EXIT LIGHT FIXTURE.
- ? — EGRESS WIDTH TAG. TAG INDICATES CLEAR EXIT WIDTH IN INCHES.
- FEC - SR OR FR — SEMI-RECESSED (**SR**) FIRE EXTINGUISHER CABINET LARSEN - MODEL NO. 2409-SR-SS STAINLESS STEEL FINISH; FULLY-RECESSED (**FR**) FIRE EXTINGUISHER CABINET LARSON- MODEL NO. 2409-RZ-SS STAINLESS STEEL FINISH
- FE — HANGING FIRE EXTINGUISHERS
- S—S—S—S—S—S — SMOKE BARRIER
- SP—SP—SP—SP—SP—SP — SMOKE PARTITION
- ONE HOUR FIRE RATED PARTITION
- TWO HOUR FIRE RATED PARTITION
- THREE HOUR FIRE RATED PARTITION
- S1 B — LINE OF OCCUPANCY SEPARATION
- ONE HOUR FIRE RATED CEILING. DESIGN TO UL #P522. IDENTIFY ALL RATED CEILINGS PERMANENTLY WITH SIGNS OR STENCILING AS REQUIRED BY ANY ADOPTED CODES OR AUTHORITY HAVING JURISDICTION.
- DRAFT STOPS AS INDICATED ON PLAN, SEE IBC CHAPTER 7 REFERENCE ON THE CODE SHEET.

LIFE SAFETY FOR ALTERED BUILDING AREAS ONLY

OCCUPANCY SCHEDULE

SPACE USE	AREA	SF PER OCCUPANT	OCCUPANCY LOAD	COMMENTS
LEVEL 1				
Business areas	318 SF	150 SF	3	
Business areas	932 SF	150 SF	7	
Business areas	101 SF	150 SF	1	
Business areas	38 SF	150 SF	1	
Business areas	40 SF	150 SF	1	
Business areas	39 SF	150 SF	1	
Business areas	16 SF	150 SF	1	
Business areas	62 SF	150 SF	1	
Business areas	100 SF	150 SF	1	
Business areas	75 SF	150 SF	1	
			18	

TRAVEL DISTANCE SCHEDULE

L#

PATH NAME	DISTANCE
1A	107'
1B	108'

EXIT WIDTH REQUIREMENTS
(IBC 1005.1)

FLOOR	OCCUPANT LOAD	WIDTH FACTOR	EXIT WIDTH REQUIRED	EXIT WIDTH PROVIDED
FIRST FLOOR	18	.15	1.8"	34"

LIFE SAFETY PLAN GENERAL NOTES

A. HIGHER RATED FIRE WALLS TAKE PRECEDENCE OVER LOWER RATED WALLS & ARE TO CONTINUE THROUGH ALL SUCH INTERSECTIONS.

B. ALL SMOKE BARRIER WALLS ARE TO BE EXTENDED FROM BACK SIDE OF EXTERIOR WALL SHEATHING TO BACK SIDE OF EXTERIOR WALL SHEATHING OR ANOTHER SMOKE BARRIER WALL.

C. FIRE SEPARATION FOR INCIDENTAL STORAGE AREAS OVER 100 SQUARE FEET IS NOT REQUIRED IF AN AUTOMATIC SPRINKLER SYSTEM IS INSTALLED. SMOKE PARTITIONS ARE REQUIRED IN LIEU OF FIRE BARRIERS.

D. ALL PENETRATIONS MADE THROUGH RATED WALLS SHALL BE CONSTRUCTED AND SEALED AS REQUIRED TO MAINTAIN THE REQUIRED WALL RATING.

E. REFER TO PARTITION TYPES SHEET FOR ADDITIONAL REQUIREMENTS.

F. REFER TO PARTITION TYPE SHEET FOR UL RATINGS OF FIRE RATED PARTITIONS.

CHAPTER 1 - SCOPE AND ADMINISTRATION

BUILDING: 2021 INTERNATIONAL BUILDING CODE
WITH CITY OF DALLAS AMENDMENTS

ACCESSIBILITY: TEXAS ACCESSIBILITY STANDARDS 2012 EDITION

FIRE: 2021 INTERNATIONAL FIRE CODE
WITH CITY OF DALLAS AMENDMENTS

PLUMBING: 2021 INTERNATIONAL PLUMBING CODE
WITH CITY OF DALLAS AMENDMENTS

MECHANICAL: 2021 INTERNATIONAL MECHANICAL CODE
WITH CITY OF DALLAS AMENDMENTS

ELECTRICAL: 2020 NATIONAL ELECTRICAL CODE
WITH CITY OF DALLAS AMENDMENTS

ENERGY: 2021 INTERNATIONAL ENERGY CONSERVATION CODE
WITH CITY OF DALLAS AMENDMENTS

CHAPTER 3 - OCCUPANCY CLASSIFICATION AND USE

GROUP 'E' - EDUCATIONAL (IBC 305.1)

THE ENTIRE BUILDING OCCUPANCY IS GROUP 'E'. THE USE OF THE BUILDING INCLUDES EDUCATIONAL OCCUPANCIES FOR STUDENTS BELOW THE 12TH GRADE. THE EXISTING BUILDING OCCUPANCY GROUP WILL NOT CHANGE.

BUILDING AREAS

OCCUPANT GROUP	FIRST FLOOR	SECOND FLOOR
E	42,503 SF	20,223 SF
TOTAL BUILDING AREA	62,726 SF	

CHAPTER 6 - TYPES OF CONSTRUCTION

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS
(IBC TABLE 601, PER CONSTRUCTION TYPE)

BUILDING ELEMENT	TYPE II-B		MINIMUM REQUIREMENT	DESIGN REFERENCE
STRUCTURAL FRAME	INCLUDING COLUMNS, GIRDERS, TRUSSES		0-HOUR	N/A
BEARING WALLS	EXTERIOR		0-HOUR	N/A
	INTERIOR		0-HOUR	N/A
NON BEARING WALLS AND PARTITIONS	EXTERIOR	< 10'	1-HOUR	N/A
		> 10'	0-HOUR	N/A
	INTERIOR PARTITIONS		0-HOUR	N/A *
FLOOR CONSTRUCTION	INCLUDING SUPPORTING BEAMS AND JOISTS		0-HOUR	N/A
ROOF CONSTRUCTION	INCLUDING SUPPORTING BEAMS AND JOISTS		0-HOUR	N/A

CHAPTER 7 - FIRE AND SMOKE PROTECTION FEATURES

FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE
(IBC TABLE 705.5, PER CONSTRUCTION TYPE)

FIRE SEPARATION DISTANCE	OCCUPANCY GROUP(S)	FIRE-RESISTANCE RATING REQUIRED	FIRE-RESISTANCE RATING PROVIDED
10' ≤ X< 30'	E	0-HOUR	0-HOUR

(IBC 713.4)

SHAFT ENCLOSURES SHALL HAVE A FIRE-RESISTANCE RATING OF NO LESS THAN 2 HOURS WHERE CONNECTING FOUR STORIES OF MORE AND NOT LESS THAN 1 HOUR WHERE CONNECTING LESS THAN FOUR STORIES. THE NUMBER OF STORIES CONNECTED BY THE SHAFT ENCLOSURE SHALL INCLUDE ANY BASEMENTS BUT NOT ANY MEZZANINES. SHAFT ENCLOURES SHALL BE CONSTRUCTED AS FIRE BARRIERS IN ACCORDANCE WITH SECTION 703.2.1

SHAFT TYPE	NUMBER OF STORIES INTERCONNECTED	SHAFT RATING REQUIRED	SHAFT RATING PROVIDED
ELEVATOR	2	1-HOUR	1-HOUR
OTHER SHAFTS	3 OR LESS	1-HOUR	1-HOUR

ELEVATOR EQUIPMENT ROOM REQUIREMENTS

(IBC 3005.2, 3005.4, 3005.5, 3005.6)

THE ELEVATOR EQUIPMENT ROOM SHALL INCLUDE VENTILATION, ONE-HOUR FIRE RATED DOOR WITH ONE-HOUR FIRE RATED WALL TO DECK ABOVE, AND SHUNT TRIP. PLUMBING SYSTEMS SHALL NOT BE LOCATED WITHIN THE ROOM.

CORRIDOR FIRE RESISTANCE RATING

(IBC TABLE 1020.2)

OCCUPANCY	OCCUPANT LOAD SERVED BY CORRIDOR	FIRE RESISTANCE-RATING (WITH SPRINKLER SYSTEM)	
		REQUIRED	PROVIDED
GROUP 'E'	GREATER THAN 30	0-HOUR	0-HOUR

MEANS OF EGRESS REQUIREMENTS (WITH SPRINKLER SYSTEM)

(IBC 1006.2.1, TABLE 1017.2, 1020.5)

OCCUPANCY CLASSIFICATION	EXIT ACCESS TRAVEL DISTANCE	DEAD-END DISTANCE	COMMON PATH OF EGRESS TRAVEL
GROUP 'E'	250'-0"	50'-0"	75'-0"

EXITS AND ARRANGEMENT (WITH AN AUTOMATIC SPRINKLER SYSTEM)

NUMBER OF EXITS (IBC TABLE 1006.3.3):

REQUIRED: 2 EXITS ARE REQUIRED ON EVERY FLOOR OF THE BUILDING

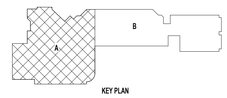
PROVIDED: A MINIMUM OF 2 EXITS ARE PROVIDED ON EVERY FLOOR OF THE BUILDING

EXIT ARRANGEMENT (1007.1.1):

REQUIRED: THE SEPARATION DISTANCE OF THE EXIT DOORS OF EXIT ACCESS DOORWAYS SHALL NOT BE LESS THAN 1/3 OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE AREA SERVED.

PROVIDED: THE REQUIRED EXITS OF THIS BUILDING ARE MORE THAN 1/3 THE DIAGONAL DISTANCE APART

NOTES BY NUMBER - LIFE SAFETY



KEY PLAN

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COMM. NO. 1288
DATE 11/11/24
DRAWN DE
CHECKED TM

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

REGISTERED ARCHITECT JAMES E. MCCARTY 24181 STATE OF TEXAS 11-11-24

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TBAE FIRM # BR 1330

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT
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330 NORTH MARSALIS AVE, DALLAS, TX 75203

LIFE SAFETY PLAN & DATA

0.02

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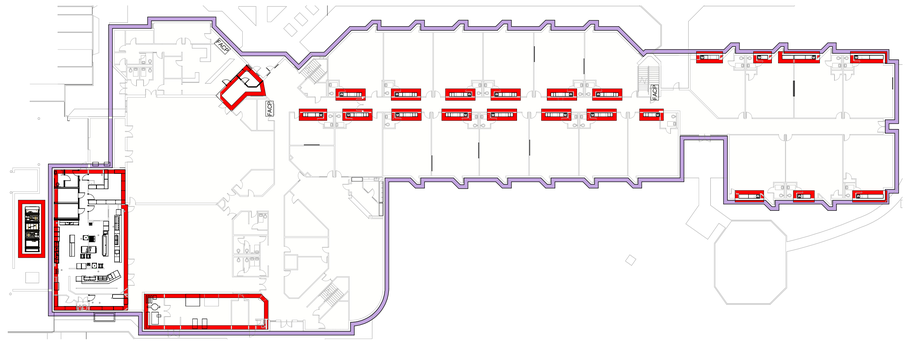
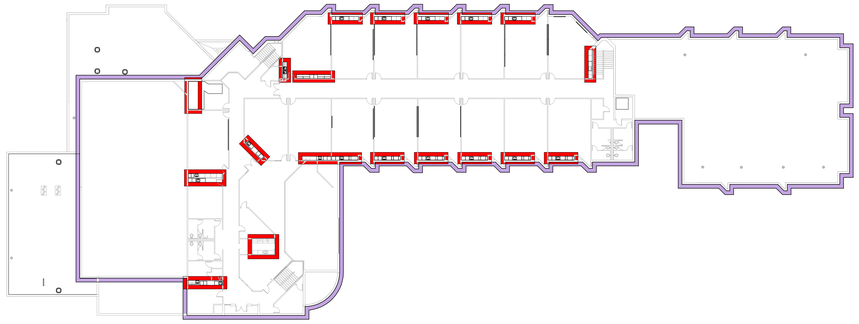


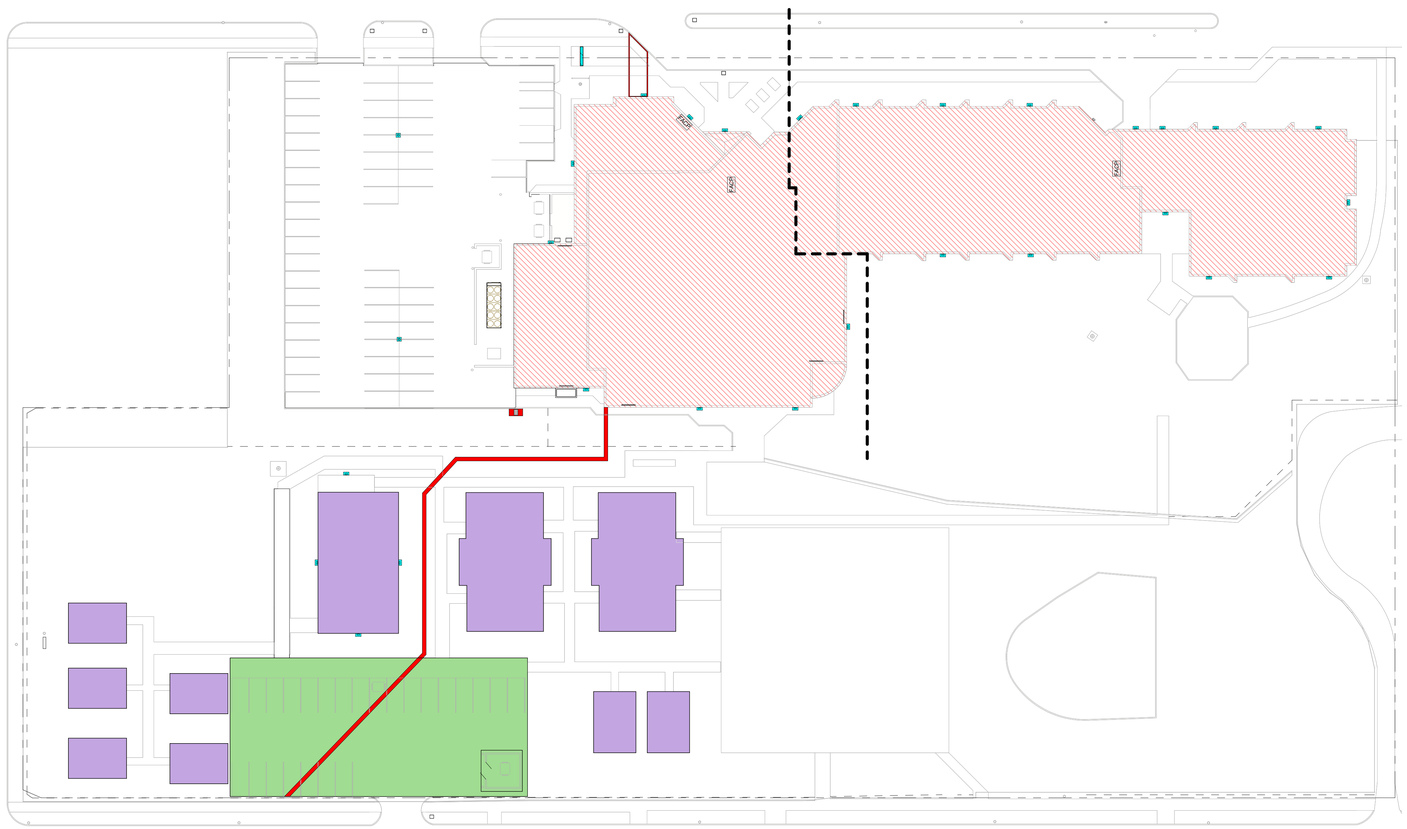
1 PHASING PLAN - LEVEL 1
1/32" = 1'-0"

NORTH



2 PHASING PLAN - LEVEL 2
1/32" = 1'-0"

NORTH



3 PHASING PLAN - SITE PLAN
1/32" = 1'-0"

NORTH

PHASING LEGEND

	AREAS WHERE WORK CAN ONLY BE PREFORMED WHEN STUDENTS ARE NOT PRESENT AT SCHOOL. WORK CAN BE UNDERTAKEN DURING EXTENDED WEEKENDS, HOLIDAY BREAKS AND SUMMER BREAK. WORK INCLUDES BUT IS NOT ONLY LIMITED TO DEMOLITION, REMODELING, MILLWORK STAINING, HVAC, PLUMBING, AND ELECTRICAL WORK. SOME SITE WORK INCLUDED. UTILITY SHUTDOWN IS ALLOWED FOR THIS WORK WITH PROPER NOTIFICATION.
	AREA INCLUDES FULL SCHOOL INTERIOR FOR LIGHTING, CEILING, AND FIRE ALARM REPLACEMENT. NO WORK IS TO TAKE PLACE WHEN STUDENTS ARE PRESENT. WORK CAN TAKE PLACE AFTER HOURS AND ON WEEKENDS BUT ONLY SO MUCH CAN BE FULLY COMPLETED AND CLEANED UP PRIOR TO STUDENT OCCUPATION.
	AREA INCLUDES PARKING LOT PAVING REPLACEMENT. WORK CAN TAKE PLACE DURING SCHOOL HOURS, THOUGH IT IS PREFERRED FOR WORK TO TAKE PLACE AFTERHOURS, ON WEEKENDS, AND DURING HOLIDAYS AND BREAKS.
	WORK INCLUDES EXTERIOR LIGHTING REPLACEMENT AND MARQUEE INSTALLATION. WORK MAY BE PREFORMED DURING SCHOOL HOURS BARING ANY UTILITY SHUTDOWNS THAT MAY BE REQUIRED.

PHASING PLAN NOTES

1. FOR ALL RENOVATION SCOPE TAKING PLACE DURING ACTIVE SCHOOL USAGE, THE CONTRACTOR TO PERFORM ALL WORK IN EVENING HOURS, WEEKENDS AND / OR HOLIDAYS. NO INDOOR WORK ALLOWED DURING SCHOOL HOURS.

2. FOR ALL RENOVATION SCOPE, THE OUTDOOR WORK COULD BE ALLOWED DURING SCHOOL HOURS WITH WRITTEN PERMISSION FROM DISD AND SCHOOL ADMINISTRATION.

3. CONTRACTOR MUST TEST EXISTING ACCESS CONTROL, SECURITY, PUBLIC ADDRESS & FIRE ALARM SYSTEMS PRIOR TO START OF ANY WORK. IF ANY DEFICIENCY FOUND, BRING IT TO AECOM PM ATTENTION IN WRITING. IF CONTRACTOR CHOOSE TO START THE WORK WITHOUT TESTING THESE EXISTING SYSTEMS, THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING THESE SYSTEMS AT NO COST TO THE OWNER.

4. CONTRACTOR MUST TAKE SCREEN SHOT OF EXISTING HVAC CONTROL SYSTEM PRIOR TO START OF ANY WORK. IF ANY EQUIPMENT / CONTROL FOUND TO BE NOT WORKING, NOTIFY AECOM PROJECT MANAGER IN WRITING. IF CONTRACTOR CHOOSE TO START THE WORK WITHOUT CHECKING THE EXISTING HVAC CONTROL SYSTEMS, THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING THE SYSTEM AT NO COST TO THE OWNER.

5. THE EXISTING SYSTEMS (PA, FA, ACCESS CONTROL, SECURITY & HVAC CONTROL) MUST STAY OPERATIONAL THROUGHOUT THE CONSTRUCTION PHASE UNTIL THE NEW SYSTEMS ARE ACTIVATED.

6. AFTER SWITCHING OVER TO THE NEW SYSTEM (PA, FA, ACCESS & SECURITY), THE CONTRACTOR TO REMOVE THE OLD SYSTEM DEVICES IN ITS ENTIRETY INCLUDING ALL RELATED COMPONENTS INCLUDING WIRING, CONDUIT, MOUNTING BOXES, ETC. CONTRACTOR TO PATCH / PAINT ALL DAMAGED AREA, AFTER THE REMOVAL OF THE EXISTING DEVICES INCLUDING CONDUITS.

7. ILLUSTRATED CONTRACTOR STAGING AREA MAY ONLY BE USED WHEN SCHOOL IS NOT IN SESSION. CONTRACTOR TO COORDINATE WITH SCHOOL PRINCIPAL AND OWNER FOR STAGING AREA THAT CAN BE UTILIZED FOR TIMES WHEN SCHOOL IS IN SESSION.

8. CONTRACTOR IS TO SCHEDULE FACILITY WALK WITH OWNER (DISD) FIFTEEN (15) DAYS PRIOR TO START OF DEMOLITION WORK FOR OWNER TO IDENTIFY ITEMS TO RETAIN/SALVAGE. CONTRACTOR IS TO STORE IDENTIFIED ITEMS IN EASY TO ACCESS LOCATION FOR OWNER (DISD) TO CONVENIENTLY PICK UP. PROVIDE OWNER TEN (10) BUSINESS DAY NOTICE FOR ITEMS TO BE PICKED UP BY OWNER. IF OWNER DOES NOT PICK UP ITEMS TEN (10) BUSINESS DAYS AFTER EXPIRATION OF NOTICE CONTRACTOR IS TO HAUL OFF ALL ITEMS AT NO COST TO OWNER.

ANY MOVING NEEDED TO PERFORM WORK WITHIN THE SCOPE MUST BE DONE BY THE CONTRACTOR. ANY REFERENCE FOR THE OWNER TO PROVIDE MOVING MUST BE VOIDED AND IGNORED

PHASING PLAN IS ARCHITECT'S RECOMMENDATION. GENERAL CONTRACTOR IS TO EVALUATE THE PHASING PLAN BASED ON CONDITIONS/TIMING AT TIME OF CONSTRUCTION AND MEET WITH OWNER AND ARCHITECT TO FINALIZE ACTION/PHASING PLAN.

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE. DALLAS, TX 75203

PHASING PLAN

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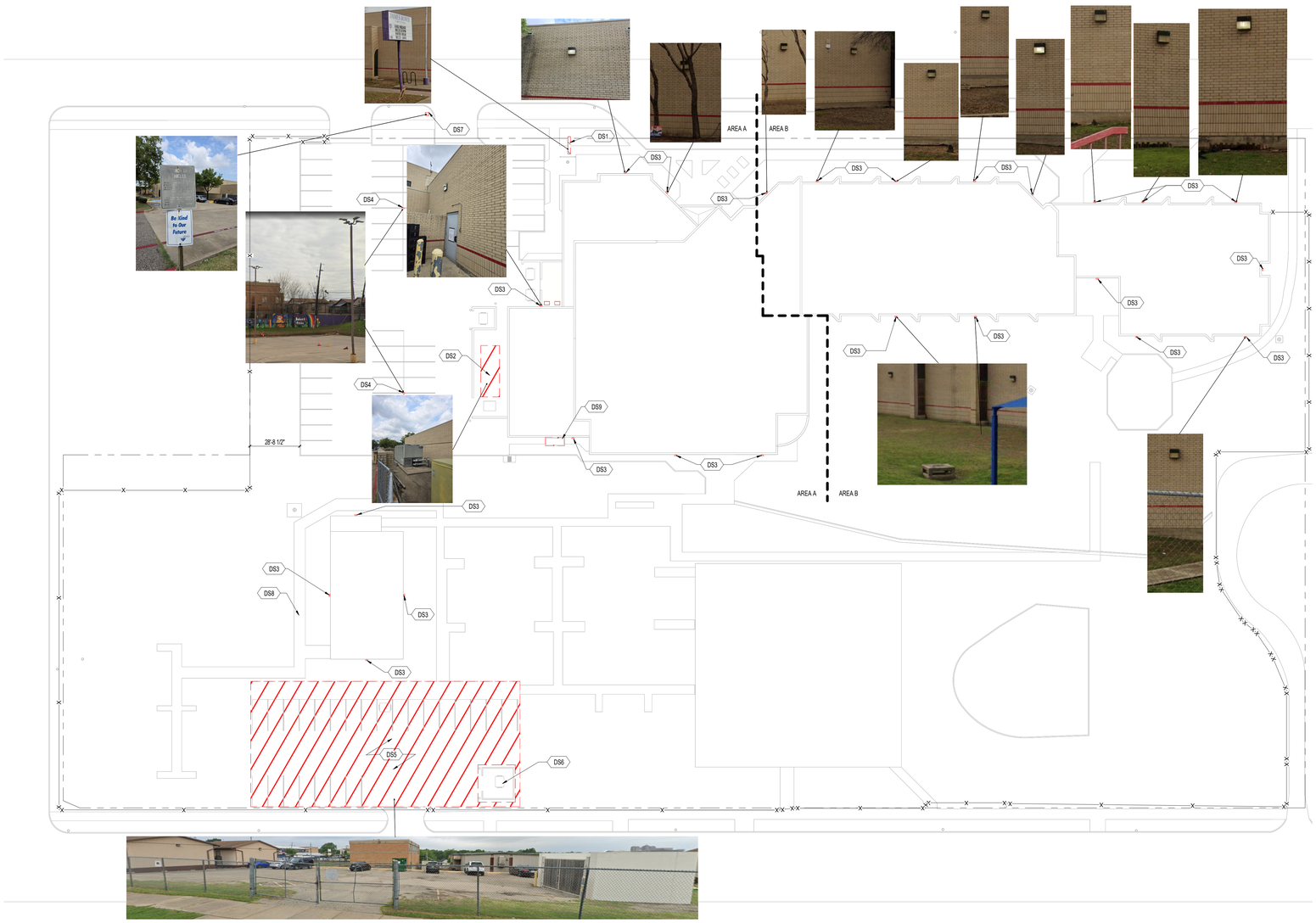


1 SITE DEMOLITION PLAN
1" = 30'-0"

NORTH

SITE DEMOLITION GENERAL NOTES

A. THIS DRAWINGS DOES NOT SHOW ALL ASPECTS TO THE SITE DEMOLITION, IT IS INTENDED TO SHOW GENERAL LIMITS OF DEMOLITION, PARTICULAR INTERIM MEASURES THAT THE CONTRACTOR AND OWNER MAY BE RESPONSIBLE FOR, SALVAGE ITEMS, OR SIMILAR UNIQUE ITEMS NOT IDENTIFIED ON OTHER DISCIPLINES SHEETS.

B. FOR COMPLETE UNDERSTANDING OF THE SITE DEMOLITION THE CIVIL ENGINEERING LANDSCAPE, MECHANICAL AND ELECTRICAL DRAWINGS ALL NEED TO BE REFEREED TO FOR MORE DETAIL ON SPECIFIC ELEMENTS OF THE WORK.

C. PHASING DRAWINGS HAVE BEEN PROVIDED TO GIVE A GENERAL UNDERSTANDING OF A PROPOSED SEQUENCING OF THE WORK REVIEWED WITH THE OWNER AND SITE MANAGEMENT STAFF. THE CONTRACTOR, AFTER STUDYING THE PROJECT, MAY PROPOSE ALTERNATIVES TO THE PHASING OR SEQUENCING OF WORK. THE PROPOSED PHASING CONCEPTS WOULD NEED TO BE APPROVED BY THE OWNER PRIOR TO ANY IMPLEMENTATION. CONCEPTS WHICH RESULT IN A SHORTER CONSTRUCTION PERIOD, SAVINGS IN COST, AND MAINTAIN SEPARATION OF CONSTRUCTION ACTIVITIES FROM STAFF, STUDENTS AND VISITORS SHALL BE CLOSELY EVALUATED

D. PRIOR TO ANY SITE DEMOLITION ACTIVITIES, A COORDINATION MEETING SHALL OCCUR WHICH INCLUDES THE GENERAL CONTRACTOR, ARCHITECT, CIVIL ENGINEER, ELECTRICAL ENGINEER AND OWNER. THIS MEETING IS TO OCCUR NO LATER THAN 14 CALENDAR DAYS PRIOR TO THE START OF DEMOLITION.

E. ALL DIMENSIONS ARE TO THE FACE OF CURB AND FACE OF BUILDING UNLESS NOTED OTHERWISE.

F. AT ALL ACCESSIBLE PARKING SPACES, 2% IS THE MAXIMUM ALLOWABLE SLOPE IN ANY DIRECTION.

G. REMOVE ALL EXISTING ELEMENTS FROM THE SITE AS NECESSARY TO CONSTRUCT THE NEW WORK AS INDICATED.

H. PROVIDE NEW SIGN FOR EACH ACCESSIBLE PARKING SPACE.

DEMOLITION SITE PLAN SYMBOLS LEGEND

PROPERTY LINE

FENCE LINE

EXISTING TREE

ELEMENT TO BE DEMOLISHED

EXISTING FIRE HYDRANT

A.P. ACCESSIBLE PARKING - REFER TO GENERAL NOTE D AND G.

A.P. VAN ACCESSIBLE VAN PARKING

SITE DEMO PLAN NOTES BY NUMBER (DS#)

DS1 REMOVE EXISITNG SIGN FACES FROM EXISTING MARQUEE. THE CABINET, POLE AND ELECTRICAL SERVICE IS TO REMAIN TO BE REUSED.

DS2 REMOVE AND REPLACE EXISTING CHILLER, REFER TO MECHANICAL DRAWINGS

DS3 REMOVE EXISTING WALL MOUNTED EXTERIOR LIGHT FIXTURE AND REPLACE WITH LED FIXTURE, REFER TO ELECTRICAL DRAWINGS.

DS4 REMOVE EXISITNG POLE MOUNTED EXTERIOR LIGHT FIXTURE AND REPLACE WITH NEW LED LIGHT FIXTURE, POLE IS TO REMAIN, SEE ELECTRICAL DRAWINGS

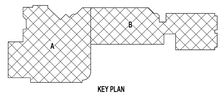
DS5 REMOVE EXISTING ASPHALT PARKING AREA AND REPLACE WITH NEW CONCRETE PARKING AREA, REFER TO CIVIL DRAWINGS FOR EXTENT

DS6 EXISTING DUMPSTER ENCLOSURE TO REMAIN.

DS7 REMOVE AND REPLACE SIGNAGE WITH NEW SIGNAGE AND POLE / FOR SCHOOL HOURS

DS8 REMOVE AND REPLACE CONCRETE WALKWAY AS REQUIRED FOR WATER LINE REPLACEMENT WORK. SEE CIVIL DRAWINGS.

DS9 REMOVE AND REPLACE CONCRETE/PAVING AS REQUIRED FOR GREASE TRAP REPLACEMENT WORK. SEE PLUMBING DRAWINGS.



KEY PLAN

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

SITE DEMOLITION PLAN

1.00

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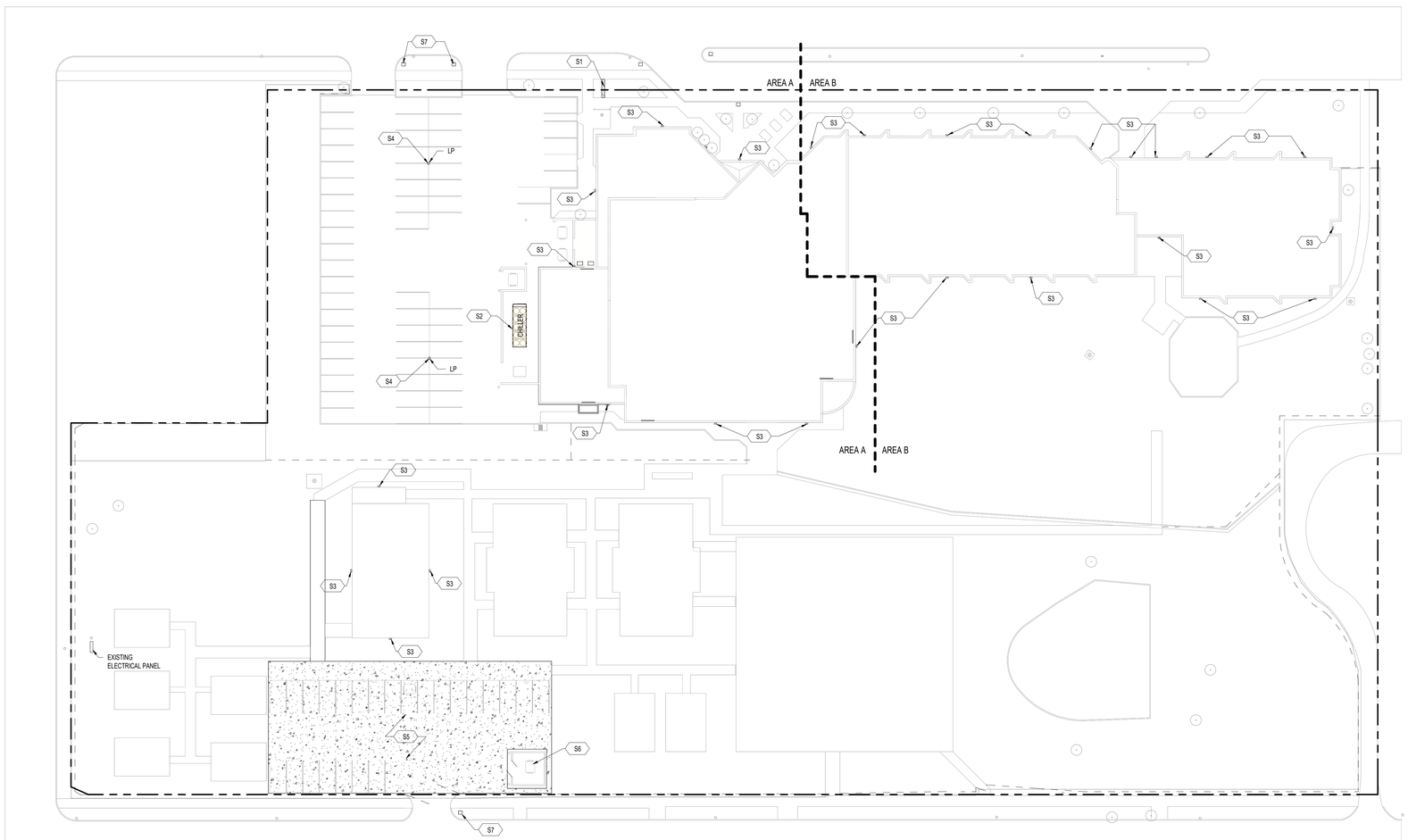

1 SITE PLAN
1" = 30'-0"

NORTH

SITE PLAN GENERAL NOTES

A. ALL DIMENSIONS ARE TO THE FACE OF CURB AND FACE OF BUILDING UNLESS NOTED OTHERWISE.

B. ALL SITE LIGHTING PIERS AND POLES SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL SITE PLAN. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

C. ALL FACE OF CURB RADII AT PARKING ISLANDS AND CORNERS SHALL BE 2'-0" UNLESS NOTED OTHERWISE.

D. AT ALL ACCESSIBLE PARKING SPACES, 2% IS THE MAXIMUM ALLOWABLE SLOPE IN ANY DIRECTION.

E. REMOVE ALL EXISTING ELEMENTS FROM THE SITE AS NECESSARY TO CONSTRUCT THE NEW WORK AS INDICATED. REFER TO SURVEY. TAPE/FLAG ALL EXISTING TREES TO BE REMOVED AND VERIFY WITH ARCHITECT IN FIELD PRIOR TO REMOVAL.

F. PROVIDE FIRE LANE AS REQUIRED BY THE AHJ.

G. PROVIDE NEW SIGN FOR EACH ACCESSIBLE PARKING SPACE.

H. REFER TO GRADING PLAN FOR ADDITIONAL INFORMATION.

I. PERFORM MILD DETERGENT MEDIUM PRESSURE WASH ON STAINED AND MILDEWED FACADE.

SITE PLAN SYMBOLS LEGEND

PROPERTY LINE

SETBACK LINE

EXISTING TREE

A.P. ACCESSIBLE PARKING - REFER TO GENERAL NOTE D AND G.

A.P. VAN ACCESSIBLE VAN PARKING

LP EXISTING LIGHT POLE

SITE PLAN NOTES BY NUMBER S#

S1 INSTALL NEW DIGITAL MARQUEE SIGN INTO EXISTING POLE MOUNTED CABINET, SEE 3/4.03

S2 INSTALL NEW CHILLER, REFER TO MECHANICAL DRAWINGS

S3 INSTALL NEW LED WALL MOUNTED LIGHT FIXTURE, REFER TO ELECTRICAL DRAWINGS

S4 EXISTING LIGHTING POLE/ FIXTURE SHALL BE RETROFITTED WITH NEW LED FIXTURE REFER TO ELECTRICAL DRAWINGS.

S5 INSTALL NEW CONCRETE PARKING AREA, PAINT NEW STRIPING. REFER TO CIVIL DRAWINGS.

S6 EXISTING DUMPSTER ENCLOSURE.

S7 NEW "SCHOOL FACULTY AND STAFF PARKING ONLY" SIGN, SEE 2/4.08.

SS1 INSTALL NEW DIGITAL MARQUEE SIGN INTO EXISTING POLE MOUNTED CABINET, SEE 3/4.03.

SS2 "SCHOOL FACULTY AND STAFF PARKING ONLY" SIGN - 2/4.03.

KEY PLAN

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SITE PLAN

1.01

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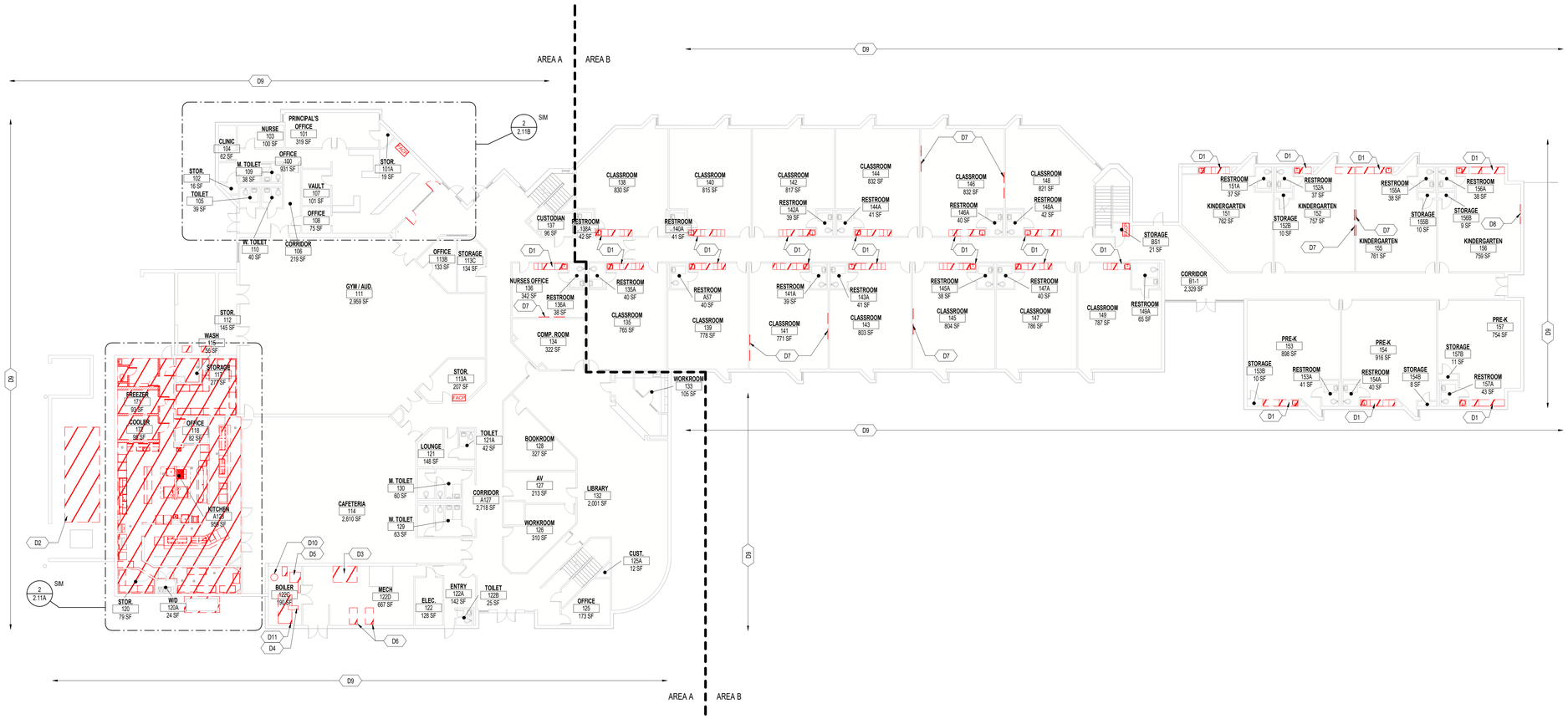


DEMOLITION FLOOR PLAN GENERAL NOTES:

A. THE INTENT OF THE DEMOLITION PLANS IS TO REMOVE ALL EXISTING CONSTRUCTION ITEMS THAT ARE NOT REQUIRED FOR THE FINISHED NEW CONSTRUCTION EVEN IF NOT INDIVIDUALLY ENUMERATED. MECHANICAL AND ELECTRICAL ITEMS INCLUDING BUT NOT LIMITED TO DUCTWORK, PLUMBING FIXTURES, ELECTRIC CONDUITS, BACK BOXES, PIPING "J" BOXES, ETC. NOT REQUIRED FOR THE FINISHED BUILDING SHALL BE REMOVED.

B. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION WORK REQUIRED. REMOVE PORTIONS OF EXISTING SURFACES REQUIRED FOR THE DEMOLITION OF MECHANICAL, PLUMBING, AND/OR ELECTRICAL WORK. REPLACE ALL SURFACES WITH NEW MATERIALS OR PATCH EXISTING MATERIALS AS REQUIRED TO MATCH EXISTING SURFACES.

C. COORDINATE MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION WITH REQUIREMENTS FOR NEW MECHANICAL AND ELECTRICAL WORK. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS. WHERE EXISTING PLUMBING, ELECTRICAL, OR HVAC DEVICES ARE REMOVED, REMOVE ALL PLUMBING, ELECTRICAL, OR HVAC LINES, DUCTS, DEVICES, ETC. BACK TO MAIN.

D. AT ALL LOCATIONS WHERE NEW FLOORING IS SCHEDULED OR IT IS NOTED TO REMOVE EXISTING FLOORING, THE CONTRACTOR SHALL MECHANICALLY CLEAN THE FLOOR AS REQUIRED TO PROPERLY INSTALL THE NEW SCHEDULED FLOORING. SOLVENTS MAY NOT COMPLETELY CLEAN THE EXISTING CONCRETE TO PROVIDE AN ACCEPTABLE BASE FOR NEW FLOOR FINISH ADHESIVES, THEREFORE THERE ARE A VARIETY OF MECHANICAL MEANS WHICH MAY BE USED TO CLEAN THE FLOOR THOROUGHLY.

E. THE CONTRACTOR SHALL FILL ALL EXISTING FLOOR DEPRESSIONS AND OPENINGS EVEN IF NOT INDIVIDUALLY ENUMERATED.

F. IT IS THE INTENT, EVEN IF NOT SPECIFICALLY NOTED ON THE DRAWINGS, THAT THE CONSTRUCTION/REMODEL PERIMETER TO BE SEALED IN A MANNER TO PREVENT CONSTRUCTION DEBRIS AND DUST FROM MIGRATING FROM A CONSTRUCTION AREA TO A BUILDING OPERATIONAL AREA, AS REQUIRED FOR EACH PHASE OF CONSTRUCTION.

G. OWNER WILL REMOVE ANY ITEMS THEY WANT TO SALVAGE PRIOR TO COMMENCING DEMOLITION. HOWEVER, OWNER RETAINS FIRST RIGHT TO SALVAGED MATERIALS EVEN IF NOT INDIVIDUALLY ENUMERATED. AT THE OWNER'S REQUEST, CONTRACTOR WILL DELIVER REQUESTED SALVAGE MATERIAL TO THE OWNER.

H. SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE SLAB OR CORE FLOOR AS REQUIRED FOR INSTALLATION OF NEW UNDER FLOOR UTILITIES (TYPICAL). PATCH AND REPAIR TO LIKE NEW CONDITION.

DEMOLITION FLOOR PLAN NOTES BY NUMBER D#

D1 REMOVE EXISTING PLASTIC LAMINATE COUNTERTOP, ALL SPLASHES AND SINK IF PRESENT. REMOVE EXISTING HARDWARE. PREPARE LOWER, UPPER AND TALL CABINET AND ALL DOORS FOR REFINISHING, INTERIOR AND EXTERIOR.

D2 REMOVE EXISTING CHILLER, REFER TO MECHANICAL SHEETS.

D3 REMOVE EXISTING AHU, REFER TO MECHANICAL SHEETS.

D4 EXISTING UNIT HEATER TO REMAIN AND BE TEMPORARILY RELOCATED AS NECESSARY TO ACCOMODATE THE INSTALLATION OF NEW BOILER, REFER TO MECHANICAL SHEETS.

D5 REMOVE EXISTING DOMESTIC BOILER, REFER TO PLUMBING SHEETS.

D6 REMOVE EXISTING CONTROLS ON HVAC PUMPS, REFER TO MECHANICAL SHEETS.

D7 REMOVE EXISITING CHALKBOARD OR MARKER BOARD AND REPLACE WITH NEW MAGNETIC WHITEBOARD. FILL ALL HOLES IN WALL AND PAINT THE WALL TO MATCH COLOR. ADD ALTERNATE #2.

D8 REMOVE EXISTING TACKBOARD AND REPLACE WITH NEW TACKBOARD. FILL ALL HOLES AND PAINT THE WALL TO MATCH COLOR.

D9 REMOVE ALL SEALANTS FROM DOOR FRAMES, WINDOW FRAMES, CONTROL JOINTS, EXPANSION JOINTS, AROUND ALL EXTERIOR PENETRATIONS AND WHERE THE EXTERIOR WALL MEETS THE CONCRETE. SO THE NEW SEALANT WILL STICK. ALSO REMOVE ANY BACKER RODS BEHIND THE SEALANT.

D10 EXISTING STORAGE TANK TO BE REMOVED. REFER TO PLUMBING SHEETS.

D11 DEMOLISH EXISTING HEATING WATER BOILER, REFER TO MECHANICAL SHEETS.

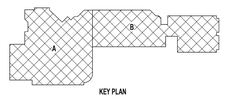
D12 EXISTING HVAC BOILER TO REMAIN AND BE TEMPORARILY RELOCATED AS NECESSARY TO ACCOMODATE THE INSTALLATION OF NEW BOILER, REFER TO MECHANICAL SHEETS.

DEMOLITION PLAN LEGEND

- WALLS TO BE DEMOLISHED
- AREAS CONTAINING ASBESTOS. REFER TO ASBESTOS ABATEMENT REPORT FOR ADDITIONAL INFORMATION
- EXISTING TO REMAIN
- DOORS, MILLWORK, FIXTURES, ETC. TO BE REMOVED
- ELEMENT TO BE DEMOLISHED

1 DEMOLITION FLOOR PLAN - LEVEL 01
1/16" = 1'-0"

NORTH



KEY PLAN

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JAMES BOWIE ELEMENTARY SCHOOL

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DEMOLITION PLAN - LEVEL 01

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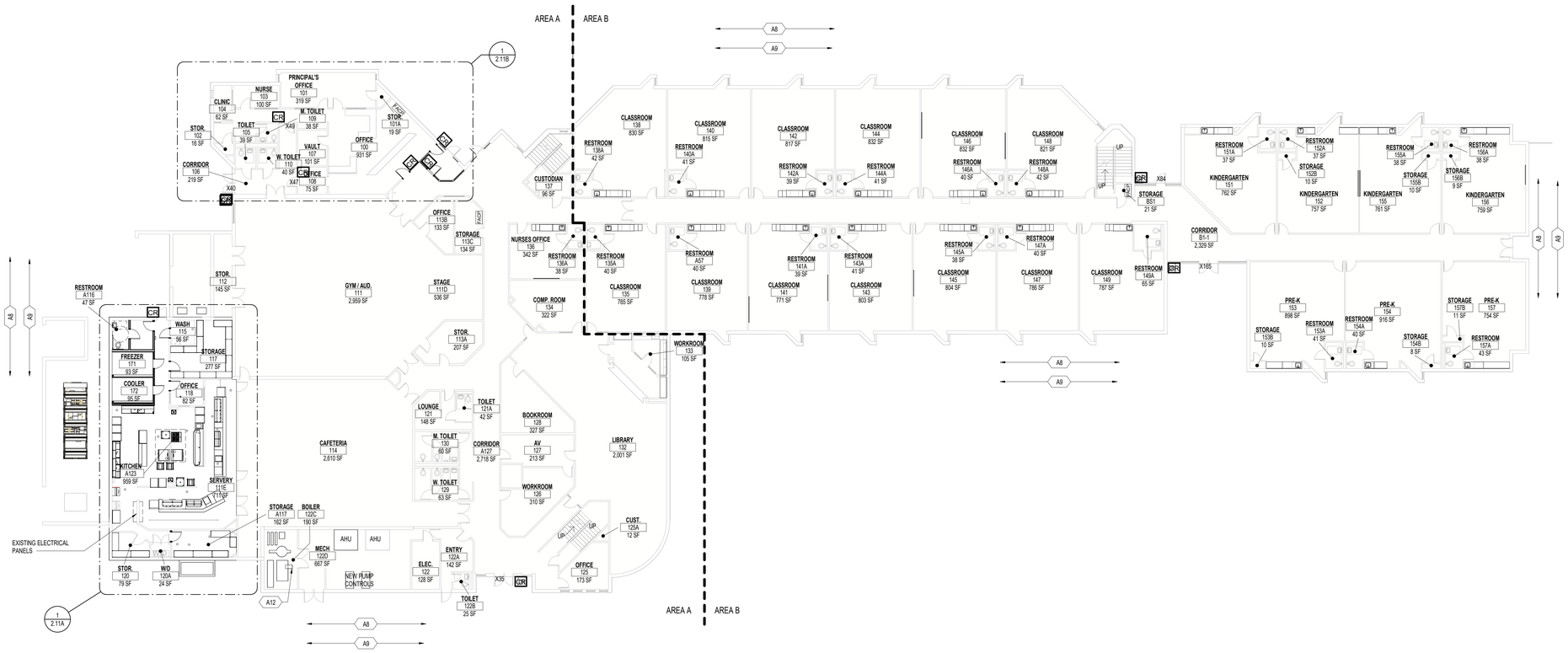


1 OVERALL FLOOR PLAN FIRST FLOOR

1/16" = 1'-0"

NORTH

FLOOR PLAN GENERAL NOTES

A. REFER TO DEMOLITION DRAWINGS, IF ANY, FOR WORK REQUIRED IN ADVANCE OF CONSTRUCTION AND COORDINATE ACCORDINGLY.

B. ALL DOOR FRAMES ARE TO BE INSTALLED 1/4" AWAY OF ADJACENT PERPENDICULAR WALLS UNLESS NOTED OTHERWISE.

C. REFER TO LIFE SAFETY DRAWINGS FOR ADDITIONAL FIRE / SMOKE RATING REQUIREMENTS.

D. REFER TO INTERIOR FINISH DRAWINGS FOR ADDITIONAL INTERIOR FINISH SPECIFIC INFORMATION.

E. ALL DIMENSIONS ON PLANS ARE TO THE FACE OF FINISHED WALL, CONCRETE STRUCTURE, OR MASONRY UNLESS NOTED OTHERWISE.

F. ADD SUFFICIENT BLOCKING IN STUD WALLS TO SUPPORT ALL ITEMS OR EQUIPMENT SHOWN OR SPECIFIED TO BE ATTACHED TO THE WALLS. PROVIDE ADDITIONAL STRUCTURAL SUPPORT (ANGLES, CHANNELS, ETC.) WITHIN WALLS WHERE WEIGHT OF ATTACHED ITEMS IS TOO GREAT TO BE SUPPORTED BY METAL STUDS.

G. REFER TO EQUIPMENT DRAWINGS, IF ANY, FOR ADDITIONAL EQUIPMENT SPECIFIC INFORMATION.

H. PERFORM MILD DETERGENT MEDIUM PRESSURE WASH ON ENTIRE FACADE.

I. SEE SHEETS 4.09A, 4.09B AND 4.10 FOR NEW INTERIOR WAY FINDING SIGNAGE ROOM NAME AND NUMBER PLATES .

WALL POCHE LEGEND ON FLOOR PLANS

NEW METAL STUD WALL

EXISTING WALL

FLOOR PLAN LEGEND

CR CARD READER

FLOOR PLAN NOTES BY NUMBER A8

A1 INSTALL NEW 8' LONG MAGNETIC WHITEBOARD - ADD ALTERNATE #2.

A3 INSTALL NEW AHU, REFER TO MECHANICAL SHEETS

A4 INSTALL NEW HVAC BOILER, REFER TO MECHANICAL SHEETS.

A5 INSTALL NEW DOMESTIC BOILER, REFER TO PLUMBING SHEETS.

A6 INSTALL NEW TACKBOARD

A7 INSTALL NEW CONTROLS ON HVAC WATER PUMPS, REFER TO MECHANICAL SHEETS

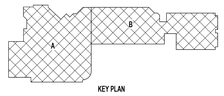
A8 PERFORM MILD DETERGENT MEDIUM PRESSURE WASH ON BUILDING FACADE WITH SPECIAL ATTENTION TO AREAS OF STAINING OR MILDEW.

A9 REPLACE ALL SEALANTS ACROSS ENTIRE BUILDING EXTERIOR TO INCLUDE MASONRY CONTROL JOINTS, BUILDING EXPANSIONS JOINTS, WINDOW/DOOR SEALANT, AND AROUND ALL EXTERIOR WALL PENETRATIONS AND WHERE EXTERIOR WALL MEETS CONCRETE/ PAVING. PROVIDE BACKER RODS WHERE REQUIRED.

A10 INSTALL NEW PLASTIC LAMINATE COUNTERTOP. ALL SPLASHES AND NEW SINK (WHERE PREVIOUSLY INSTALLED) - MATCH EXISTING SPLASH HEIGHTS.

A11 RE-FINISH/STAIN CABINET FACES AND DOORS TO MATCH EXISTING INTERIOR AND EXTERIOR. CABINETS TO REMAIN ON WALL. INSTALL NEW CABINET HARDWARE. PROTECT THE ROOM AND CONTENTS FROM OVER SPRAY.

A12 EXISTING RELOCATED UNIT HEATER, REFER TO MECHANICAL SHEETS.



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OVERALL FLOOR PLAN - LEVEL 01

2.01

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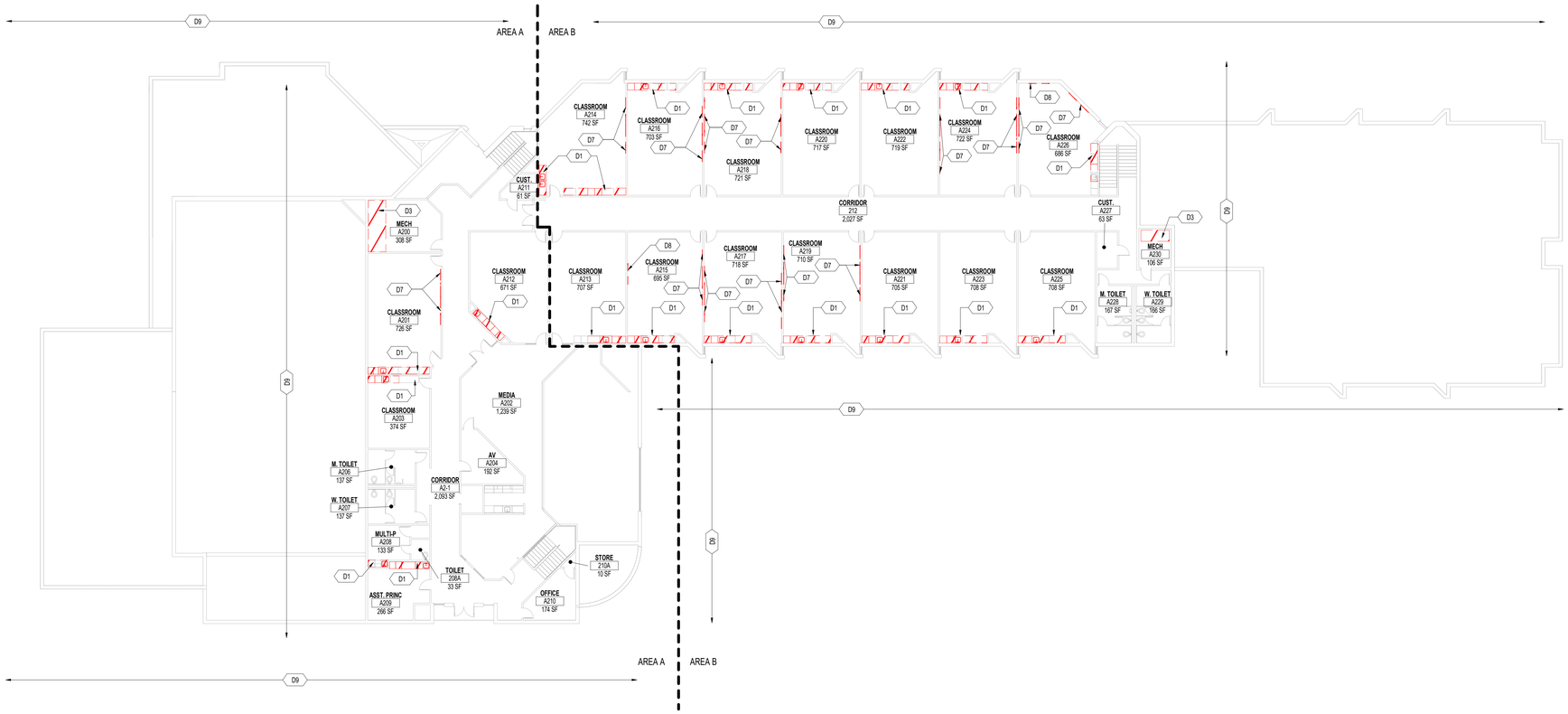


1 DEMOLITION FLOOR PLAN - LEVEL 02

1/16" = 1'-0"

NORTH

DEMOLITION FLOOR PLAN GENERAL NOTES:

A. THE INTENT OF THE DEMOLITION PLANS IS TO REMOVE ALL EXISTING CONSTRUCTION ITEMS THAT ARE NOT REQUIRED FOR THE FINISHED NEW CONSTRUCTION EVEN IF NOT INDIVIDUALLY ENUMERATED. MECHANICAL AND ELECTRICAL ITEMS INCLUDING BUT NOT LIMITED TO DUCTWORK, PLUMBING FIXTURES, ELECTRIC CONDUITS, BACK BOXES, PIPING "J" BOXES, ETC. NOT REQUIRED FOR THE FINISHED BUILDING SHALL BE REMOVED.

B. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION WORK REQUIRED. REMOVE PORTIONS OF EXISTING SURFACES REQUIRED FOR THE DEMOLITION OF MECHANICAL, PLUMBING, AND/OR ELECTRICAL WORK. REPLACE ALL SURFACES WITH NEW MATERIALS OR PATCH EXISTING MATERIALS AS REQUIRED TO MATCH EXISTING SURFACES.

C. COORDINATE MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION WITH REQUIREMENTS FOR NEW MECHANICAL AND ELECTRICAL WORK. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS. WHERE EXISTING PLUMBING, ELECTRICAL, OR HVAC DEVICES ARE REMOVED, REMOVE ALL PLUMBING, ELECTRICAL, OR HVAC LINES, DUCTS, DEVICES, ETC. BACK TO MAIN.

D. AT ALL LOCATIONS WHERE NEW FLOORING IS SCHEDULED OR IT IS NOTED TO REMOVE EXISTING FLOORING, THE CONTRACTOR SHALL MECHANICALLY CLEAN THE FLOOR AS REQUIRED TO PROPERLY INSTALL THE NEW SCHEDULED FLOORING. SOLVENTS MAY NOT COMPLETELY CLEAN THE EXISTING CONCRETE TO PROVIDE AN ACCEPTABLE BASE FOR NEW FLOOR FINISH ADHESIVES, THEREFORE THERE ARE A VARIETY OF MECHANICAL MEANS WHICH MAY BE USED TO CLEAN THE FLOOR THOROUGHLY.

E. THE CONTRACTOR SHALL FILL ALL EXISTING FLOOR DEPRESSIONS AND OPENINGS EVEN IF NOT INDIVIDUALLY ENUMERATED.

F. IT IS THE INTENT, EVEN IF NOT SPECIFICALLY NOTED ON THE DRAWINGS, THAT THE CONSTRUCTION/REMODEL PERIMETER TO BE SEALED IN A MANNER TO PREVENT CONSTRUCTION DEBRIS AND DUST FROM MIGRATING FROM A CONSTRUCTION AREA TO A BUILDING OPERATIONAL AREA, AS REQUIRED FOR EACH PHASE OF CONSTRUCTION.

G. OWNER WILL REMOVE ANY ITEMS THEY WANT TO SALVAGE PRIOR TO COMMENCING DEMOLITION. HOWEVER, OWNER RETAINS FIRST RIGHT TO SALVAGED MATERIALS EVEN IF NOT INDIVIDUALLY ENUMERATED. AT THE OWNER'S REQUEST, CONTRACTOR WILL DELIVER REQUESTED SALVAGE MATERIAL TO THE OWNER.

H. SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE SLAB OR CORE FLOOR AS REQUIRED FOR INSTALLATION OF NEW UNDER FLOOR UTILITIES (TYPICAL). PATCH AND REPAIR TO LIKE NEW CONDITION.

DEMOLITION FLOOR PLAN NOTES BY NUMBER

D#

D1 REMOVE EXISTING PLASTIC LAMINATE COUNTERTOP, ALL SPLASHES AND SINK IF PRESENT. REMOVE EXISTING HARDWARE. PREPARE LOWER, UPPER AND TALL CABINET AND ALL DOORS FOR REFINISHING, INTERIOR AND EXTERIOR.

D2 REMOVE EXISTING CHILLER, REFER TO MECHANICAL SHEETS.

D3 REMOVE EXISTING AHU, REFER TO MECHANICAL SHEETS.

D4 EXISTING UNIT HEATER TO REMAIN AND BE TEMPORARILY RELOCATED AS NECESSARY TO ACCOMODATE THE INSTALLATION OF NEW BOILER, REFER TO MECHANICAL SHEETS.

D5 REMOVE EXISTING DOMESTIC BOILER, REFER TO PLUMBING SHEETS.

D6 REMOVE EXISTING CONTROLS ON HVAC PUMPS, REFER TO MECHANICAL SHEETS.

D7 REMOVE EXISTING CHALKBOARD OR MARKER BOARD AND REPLACE WITH NEW MAGNETIC WHITEBOARD. FILL ALL HOLES IN WALL AND PAINT THE WALL TO MATCH COLOR. ADD ALTERNATE #2.

D8 REMOVE EXISTING TACKBOARD AND REPLACE WITH NEW TACKBOARD. FILL ALL HOLES AND PAINT THE WALL TO MATCH COLOR.

D9 REMOVE ALL SEALANTS FROM DOOR FRAMES, WINDOW FRAMES, CONTROL JOINTS, EXPANSION JOINTS, AROUND ALL EXTERIOR PENETRATIONS AND WHERE THE EXTERIOR WALL MEETS THE CONCRETE, SO THE NEW SEALANT WILL STICK. ALSO REMOVE ANY BACKER RODS BEHIND THE SEALANT.

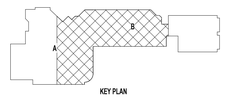
D10 EXISTING STORAGE TANK TO BE REMOVED, REFER TO PLUMBING SHEETS.

D11 DEMOLISH EXISTING HEATING WATER BOILER, REFER TO MECHANICAL SHEETS.

D12 EXISTING HVAC BOILER TO REMAIN AND BE TEMPORARILY RELOCATED AS NECESSARY TO ACCOMODATE THE INSTALLATION OF NEW BOILER, REFER TO MECHANICAL SHEETS.

DEMOLITION PLAN LEGEND

- WALLS TO BE DEMOLISHED
- AREAS CONTAINING ASBESTOS, REFER TO ASBESTOS ABATEMENT REPORT FOR ADDITIONAL INFORMATION
- EXISTING TO REMAIN
- DOORS, MILLWORK, FIXTURES, ETC. TO BE REMOVED
- ELEMENT TO BE DEMOLISHED



KEY PLAN

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DEMOLITION PLAN - LEVEL 02

2.02

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FLOOR PLAN GENERAL NOTES

A. REFER TO DEMOLITION DRAWINGS, IF ANY, FOR WORK REQUIRED IN ADVANCE OF CONSTRUCTION AND COORDINATE ACCORDINGLY.

B. ALL DOOR FRAMES ARE TO BE INSTALLED 1/4" AWAY OF ADJACENT PERPENDICULAR WALLS UNLESS NOTED OTHERWISE.

C. REFER TO LIFE SAFETY DRAWINGS FOR ADDITIONAL FIRE / SMOKE RATING REQUIREMENTS.

D. REFER TO INTERIOR FINISH DRAWINGS FOR ADDITIONAL INTERIOR FINISH SPECIFIC INFORMATION.

E. ALL DIMENSIONS ON PLANS ARE TO THE FACE OF FINISHED WALL, CONCRETE STRUCTURE, OR MASONRY UNLESS NOTED OTHERWISE.

F. ADD SUFFICIENT BLOCKING IN STUD WALLS TO SUPPORT ALL ITEMS OR EQUIPMENT SHOWN OR SPECIFIED TO BE ATTACHED TO THE WALLS. PROVIDE ADDITIONAL STRUCTURAL SUPPORT (ANGLES, CHANNELS, ETC.) WITHIN WALLS WHERE WEIGHT OF ATTACHED ITEMS IS TOO GREAT TO BE SUPPORTED BY METAL STUDS.

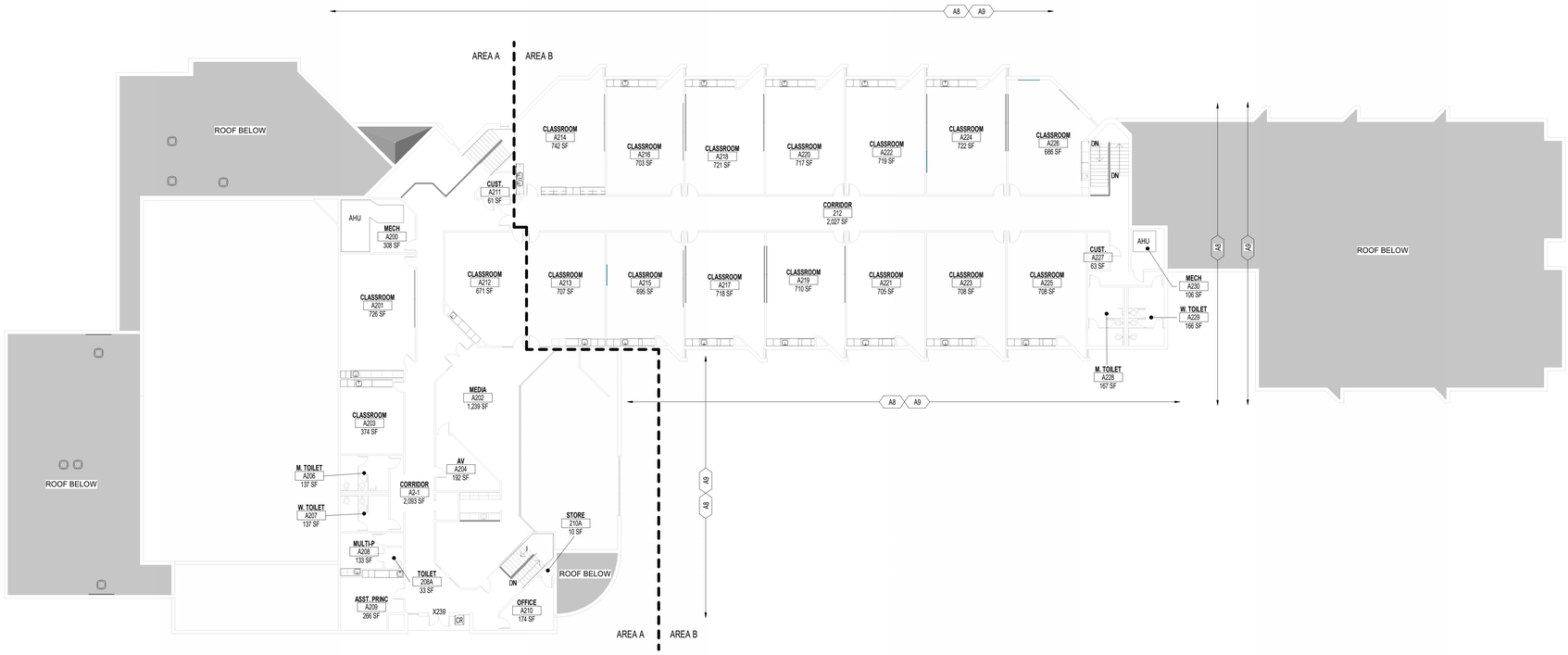
G. REFER TO EQUIPMENT DRAWINGS, IF ANY, FOR ADDITIONAL EQUIPMENT SPECIFIC INFORMATION.

H. PERFORM MILD DETERGENT MEDIUM PRESSURE WASH ON ENTIRE FACADE.

I. SEE SHEETS 4.09A, 4.09B AND 4.10 FOR NEW INTERIOR WAY FINDING SIGNAGE ROOM NAME AND NUMBER PLATES .

FLOOR PLAN NOTES BY NUMBER (A#)

A1 INSTALL NEW 8' LONG MAGNETIC WHITEBOARD - ADD ALTERNATE #2.
A3 INSTALL NEW AHU, REFER TO MECHANICAL SHEETS
A4 INSTALL NEW HVAC BOILER, REFER TO MECHANICAL SHEETS.
A5 INSTALL NEW DOMESTIC BOILER, REFER TO PLUMBING SHEETS.
A6 INSTALL NEW TACKBOARD
A7 INSTALL NEW CONTROLS ON HVAC WATER PUMPS, REFER TO MECHANICAL SHEETS
A8 PERFORM MILD DETERGENT MEDIUM PRESSURE WASH ON BUILDING FACADE WITH SPECIAL ATTENTION TO AREAS OF STAINING OR MILDEW.
A9 REPLACE ALL SEALANTS ACROSS ENTIRE BUILDING EXTERIOR TO INCLUDE MASONRY CONTROL JOINTS, BUILDING EXPANSIONS JOINTS, WINDOW/DOOR SEALANT, AND AROUND ALL EXTERIOR WALL PENETRATIONS AND WHERE EXTERIOR WALL MEETS CONCRETE/ PAVING. PROVIDE BACKER RODS WHERE REQUIRED.
A10 INSTALL NEW PLASTIC LAMINATE COUNTERTOP, ALL SPLASHES AND NEW SINK (WHERE PREVIOUSLY INSTALLED) - MATCH EXISTING SPLASH HEIGHTS.
A11 RE-FINISH STAIN CABINET FACES AND DOORS TO MATCH EXISTING INTERIOR AND EXTERIOR. CABINETS TO REMAIN ON WALL. INSTALL NEW CABINET HARDWARE. PROTECT THE ROOM AND CONTENTS FROM OVER SPRAY.
A12 EXISTING RELOCATED UNIT HEATER, REFER TO MECHANICAL SHEETS.



1 OVERALL FLOOR PLAN SECOND FLOOR
1/16" = 1'-0"

NORTH

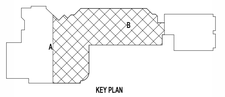
WALL POCHE LEGEND ON FLOOR PLANS

NEW METAL STUD WALL

EXISTING WALL

FLOOR PLAN LEGEND

CR CARD READER



KEY PLAN

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REVISIONS:

REGISTERED ARCHITECT JAMES R. MCCARTY STATE OF TEXAS 11-11-24

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

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OVERALL FLOOR PLAN - LEVEL 02

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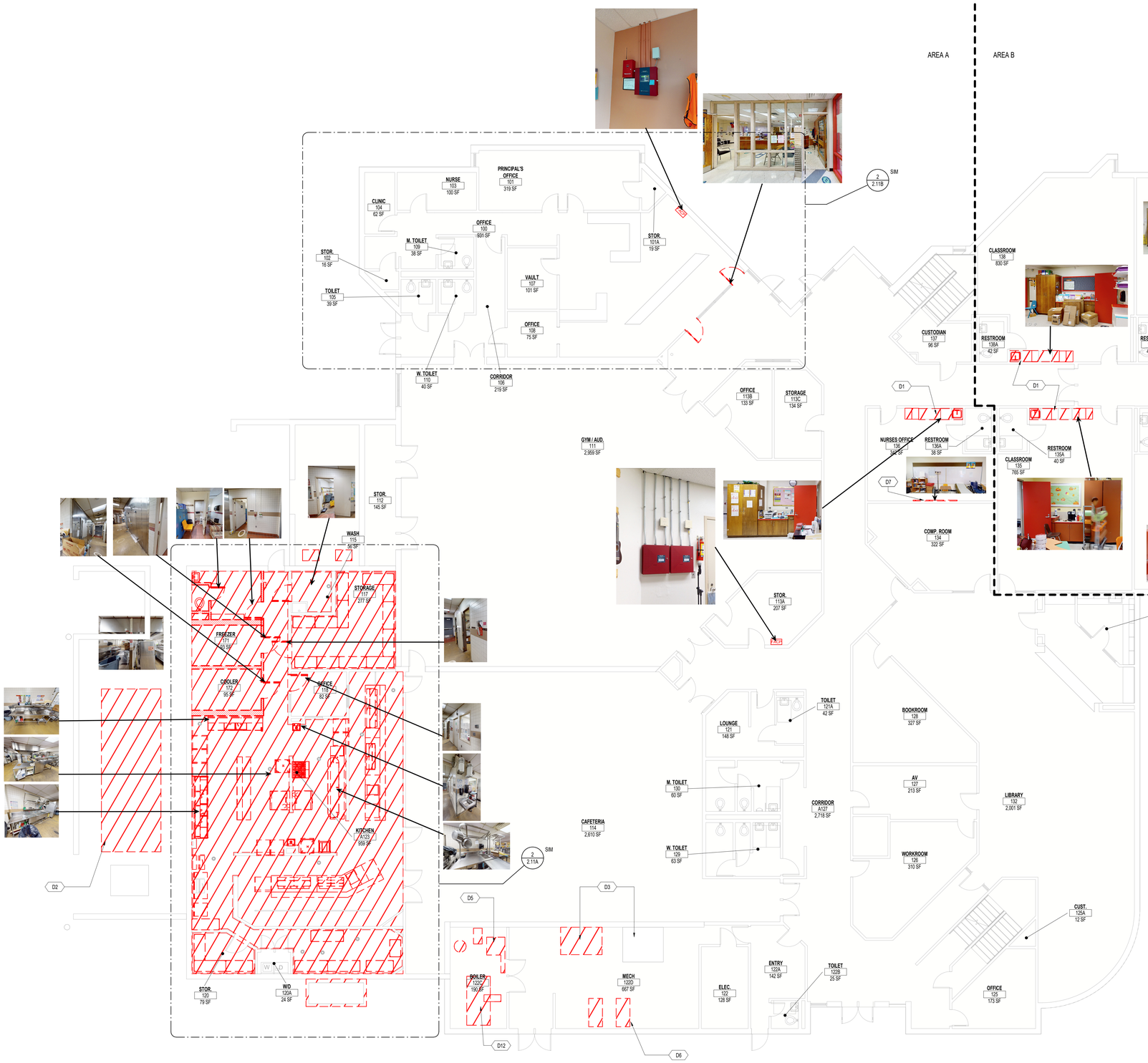


1 DEMOLITION FLOOR PLAN - AREA A - LEVEL 01

1/8" = 1'-0"

NORTH

DEMOLITION FLOOR PLAN GENERAL NOTES:

A. THE INTENT OF THE DEMOLITION PLANS IS TO REMOVE ALL EXISTING CONSTRUCTION ITEMS THAT ARE NOT REQUIRED FOR THE FINISHED NEW CONSTRUCTION EVEN IF NOT INDIVIDUALLY ENUMERATED. MECHANICAL AND ELECTRICAL ITEMS INCLUDING BUT NOT LIMITED TO DUCTWORK, PLUMBING FIXTURES, ELECTRIC CONDUITS, BACK BOXES, PIPING "J" BOXES, ETC. NOT REQUIRED FOR THE FINISHED BUILDING SHALL BE REMOVED.

B. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION WORK REQUIRED. REMOVE PORTIONS OF EXISTING SURFACES REQUIRED FOR THE DEMOLITION OF MECHANICAL, PLUMBING, AND/OR ELECTRICAL WORK. REPLACE ALL SURFACES WITH NEW MATERIALS OR PATCH EXISTING MATERIALS AS REQUIRED TO MATCH EXISTING SURFACES.

C. COORDINATE MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION WITH REQUIREMENTS FOR NEW MECHANICAL AND ELECTRICAL WORK. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS. WHERE EXISTING PLUMBING, ELECTRICAL, OR HVAC DEVICES ARE REMOVED, REMOVE ALL PLUMBING, ELECTRICAL, OR HVAC LINES, DUCTS, DEVICES, ETC. BACK TO MAIN.

D. AT ALL LOCATIONS WHERE NEW FLOORING IS SCHEDULED OR IT IS NOTED TO REMOVE EXISTING FLOORING, THE CONTRACTOR SHALL MECHANICALLY CLEAN THE FLOOR AS REQUIRED TO PROPERLY INSTALL THE NEW SCHEDULED FLOORING. SOLVENTS MAY NOT COMPLETELY CLEAN THE EXISTING CONCRETE TO PROVIDE AN ACCEPTABLE BASE FOR NEW FLOOR FINISH ADHESIVES, THEREFORE THERE ARE A VARIETY OF MECHANICAL MEANS WHICH MAY BE USED TO CLEAN THE FLOOR THOROUGHLY.

E. THE CONTRACTOR SHALL FILL ALL EXISTING FLOOR DEPRESSIONS AND OPENINGS EVEN IF NOT INDIVIDUALLY ENUMERATED.

F. IT IS THE INTENT, EVEN IF NOT SPECIFICALLY NOTED ON THE DRAWINGS, THAT THE CONSTRUCTION/REMODEL PERIMETER TO BE SEALED IN A MANNER TO PREVENT CONSTRUCTION DEBRIS AND DUST FROM MIGRATING FROM A CONSTRUCTION AREA TO A BUILDING OPERATIONAL AREA, AS REQUIRED FOR EACH PHASE OF CONSTRUCTION.

G. OWNER WILL REMOVE ANY ITEMS THEY WANT TO SALVAGE PRIOR TO COMMENCING DEMOLITION. HOWEVER, OWNER RETAINS FIRST RIGHT TO SALVAGED MATERIALS EVEN IF NOT INDIVIDUALLY ENUMERATED, AT THE OWNER'S REQUEST, CONTRACTOR WILL DELIVER REQUESTED SALVAGE MATERIAL TO THE OWNER.

H. SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE SLAB OR CORE FLOOR AS REQUIRED FOR INSTALLATION OF NEW UNDER FLOOR UTILITIES (TYPICAL). PATCH AND REPAIR TO LIKE NEW CONDITION.

DEMOLITION FLOOR PLAN NOTES BY NUMBER

D#

D1 REMOVE EXISTING PLASTIC LAMINATE COUNTERTOP. ALL SPLASHES AND SINK IF PRESENT. REMOVE EXISTING HARDWARE. PREPARE LOWER, UPPER AND TALL CABINET AND ALL DOORS FOR REFINISHING, INTERIOR AND EXTERIOR.

D2 REMOVE EXISTING CHILLER, REFER TO MECHANICAL SHEETS.

D3 REMOVE EXISTING AHU, REFER TO MECHANICAL SHEETS.

D4 EXISTING UNIT HEATER TO REMAIN AND BE TEMPORARILY RELOCATED AS NECESSARY TO ACCOMODATE THE INSTALLATION OF NEW BOILER, REFER TO MECHANICAL SHEETS.

D5 REMOVE EXISTING DOMESTIC BOILER, REFER TO PLUMBING SHEETS.

D6 REMOVE EXISTING CONTROLS ON HVAC PUMPS, REFER TO MECHANICAL SHEETS.

D7 REMOVE EXISTING CHALKBOARD OR MARKER BOARD AND REPLACE WITH NEW MAGNETIC WHITEBOARD. FILL ALL HOLES IN WALL AND PAINT THE WALL TO MATCH COLOR. ADD ALTERNATE #2.

D8 REMOVE EXISTING TACKBOARD AND REPLACE WITH NEW TACKBOARD. FILL ALL HOLES AND PAINT THE WALL TO MATCH COLOR.

D9 REMOVE ALL SEALANTS FROM DOOR FRAMES, WINDOW FRAMES, CONTROL JOINTS, EXPANSION JOINTS, AROUND ALL EXTERIOR PENETRATIONS AND WHERE THE EXTERIOR WALL MEETS THE CONCRETE. SO THE NEW SEALANT WILL STICK. ALSO REMOVE ANY BACKER RODS BEHIND THE SEALANT.

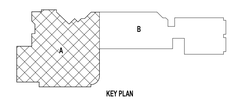
D10 EXISTING STORAGE TANK TO BE REMOVED, REFER TO PLUMBING SHEETS.

D11 DEMOLISH EXISTING HEATING WATER BOILER, REFER TO MECHANICAL SHEETS.

D12 EXISTING HVAC BOILER TO REMAIN AND BE TEMPORARILY RELOCATED AS NECESSARY TO ACCOMODATE THE INSTALLATION OF NEW BOILER, REFER TO MECHANICAL SHEETS.

DEMOLITION PLAN LEGEND

- WALLS TO BE DEMOLISHED
- AREAS CONTAINING ASBESTOS. REFER TO ASBESTOS ABATEMENT REPORT FOR ADDITIONAL INFORMATION
- EXISTING TO REMAIN
- DOORS, MILLWORK, FIXTURES, ETC. TO BE REMOVED
- ELEMENT TO BE DEMOLISHED



KEY PLAN

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DEMOLITION PLAN - AREA A - LEVEL 01

2.04A

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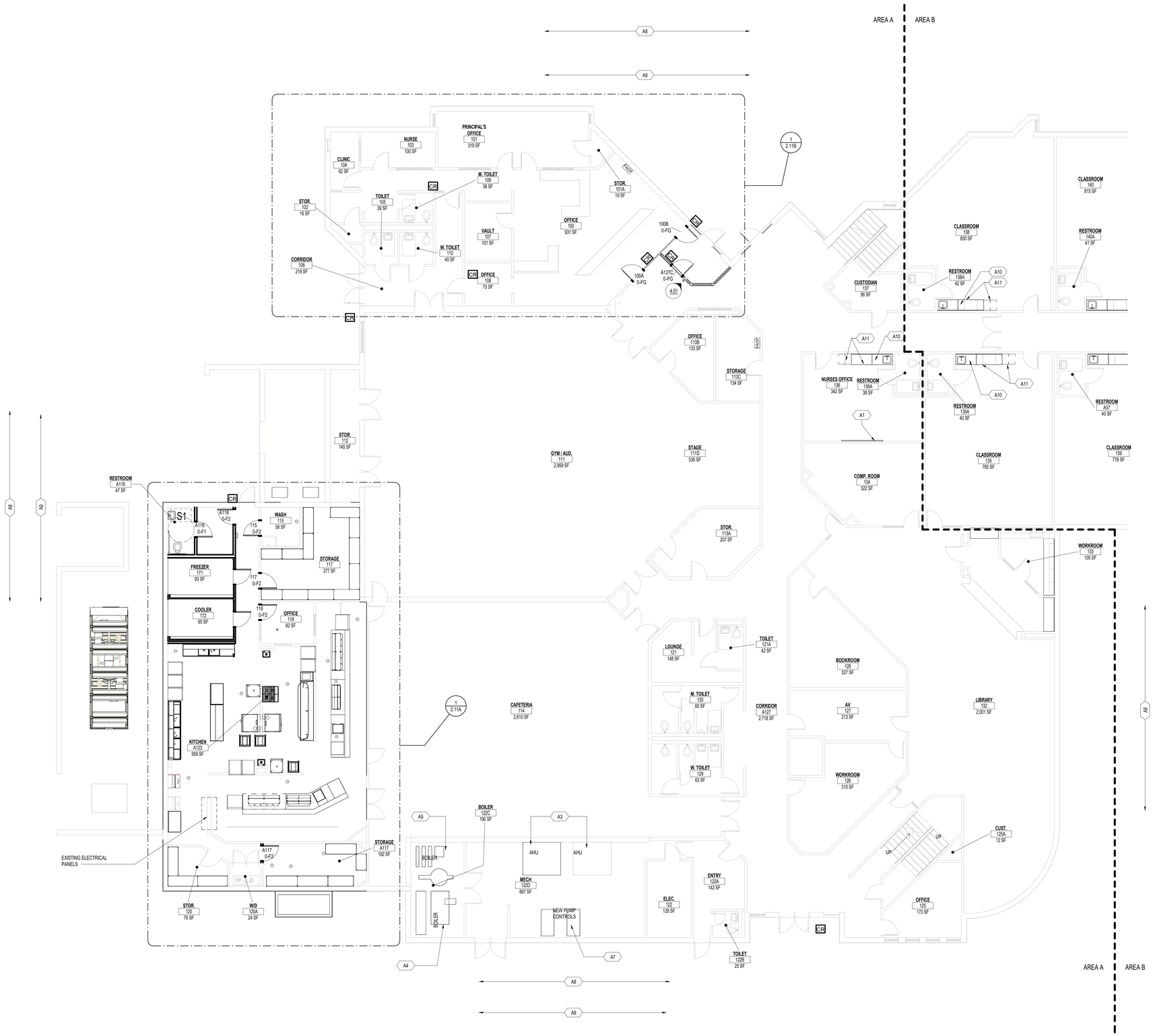

1 OVERALL FLOOR PLAN - AREA A - FIRST FLOOR

1/8" = 1'-0"

NORTH

FLOOR PLAN GENERAL NOTES

A. REFER TO DEMOLITION DRAWINGS, IF ANY, FOR WORK REQUIRED IN ADVANCE OF CONSTRUCTION AND COORDINATE ACCORDINGLY.

B. ALL DOOR FRAMES ARE TO BE INSTALLED 1/4" AWAY OF ADJACENT PERPENDICULAR WALLS UNLESS NOTED OTHERWISE.

C. REFER TO LIFE SAFETY DRAWINGS FOR ADDITIONAL FIRE / SMOKE RATING REQUIREMENTS.

D. REFER TO INTERIOR FINISH DRAWINGS FOR ADDITIONAL INTERIOR FINISH SPECIFIC INFORMATION.

E. ALL DIMENSIONS ON PLANS ARE TO THE FACE OF FINISHED WALL, CONCRETE STRUCTURE, OR MASONRY UNLESS NOTED OTHERWISE.

F. ADD SUFFICIENT BLOCKING IN STUD WALLS TO SUPPORT ALL ITEMS OR EQUIPMENT SHOWN OR SPECIFIED TO BE ATTACHED TO THE WALLS. PROVIDE ADDITIONAL STRUCTURAL SUPPORT (ANGLES, CHANNELS, ETC.) WITHIN WALLS WHERE WEIGHT OF ATTACHED ITEMS IS TOO GREAT TO BE SUPPORTED BY METAL STUDS.

G. REFER TO EQUIPMENT DRAWINGS, IF ANY, FOR ADDITIONAL EQUIPMENT SPECIFIC INFORMATION.

H. PERFORM MILD DETERGENT MEDIUM PRESSURE WASH ON ENTIRE FACADE.

I. SEE SHEETS 4.09A, 4.09B AND 4.10 FOR NEW INTERIOR WAY FINDING SIGNAGE ROOM NAME AND NUMBER PLATES .

WALL POCHE LEGEND ON FLOOR PLANS

NEW METAL STUD WALL

EXISTING WALL

FLOOR PLAN NOTES BY NUMBER

All

A1 INSTALL NEW 8' LONG MAGNETIC WHITEBOARD - ADD ALTERNATE #2.

A3 INSTALL NEW AHU, REFER TO MECHANICAL SHEETS

A4 INSTALL NEW HVAC BOILER, REFER TO MECHANICAL SHEETS.

A5 INSTALL NEW DOMESTIC BOILER, REFER TO PLUMBING SHEETS.

A6 INSTALL NEW TACKBOARD

A7 INSTALL NEW CONTROLS ON HVAC WATER PUMPS, REFER TO MECHANICAL SHEETS

A8 PERFORM MILD DETERGENT MEDIUM PRESSURE WASH ON BUILDING FACADE WITH SPECIAL ATTENTION TO AREAS OF STAINING OR MILDEW.

A9 REPLACE ALL SEALANTS ACROSS ENTIRE BUILDING EXTERIOR TO INCLUDE MASONRY CONTROL JOINTS, BUILDING EXPANSIONS JOINTS, WINDOW/DOOR SEALANT, AND AROUND ALL EXTERIOR WALL PENETRATIONS AND WHERE EXTERIOR WALL MEETS CONCRETE/ PAVING. PROVIDE BACKER RODS WHERE REQUIRED.

A10 INSTALL NEW PLASTIC LAMINATE COUNTERTOP, ALL SPLASHES AND NEW SINK (WHERE PREVIOUSLY INSTALLED) - MATCH EXISTING SPLASH HEIGHTS.

A11 RE-FINISH/STAIN CABINET FACES AND DOORS TO MATCH EXISTING INTERIOR AND EXTERIOR. CABINETS TO REMAIN ON WALL. INSTALL NEW CABINET HARDWARE. PROTECT THE ROOM AND CONTENTS FROM OVER SPRAY.

A12 EXISTING RELOCATED UNIT HEATER, REFER TO MECHANICAL SHEETS.

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OVERALL FLOOR PLAN - AREA A - LEVEL 01

2.04B

KEY PLAN

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DEMOLITION FLOOR PLAN NOTES BY NUMBER

D#

D1	REMOVE EXISTING PLASTIC LAMINATE COUNTERTOP, ALL SPLASHES AND SINK IF PRESENT. REMOVE EXISTING HARDWARE. PREPARE LOWER, UPPER AND TALL CABINET AND ALL DOORS FOR REFINISHING, INTERIOR AND EXTERIOR.
D2	REMOVE EXISTING CHILLER, REFER TO MECHANICAL SHEETS.
D3	REMOVE EXISTING AHU, REFER TO MECHANICAL SHEETS.
D4	EXISTING UNIT HEATER TO REMAIN AND BE TEMPORARILY RELOCATED AS NECESSARY TO ACCOMODATE THE INSTALLATION OF NEW BOILER, REFER TO MECHANICAL SHEETS.
D5	REMOVE EXISTING DOMESTIC BOILER, REFER TO PLUMBING SHEETS.
D6	REMOVE EXISTING CONTROLS ON HVAC PUMPS, REFER TO MECHANICAL SHEETS.
D7	REMOVE EXISITING CHALKBOARD OR MARKER BOARD AND REPLACE WITH NEW MAGNETIC WHITEBOARD. FILL ALL HOLES IN WALL AND PAINT THE WALL TO MATCH COLOR. ADD ALTERNATE #2.
D8	REMOVE EXISTING TACKBOARD AND REPLACE WITH NEW TACKBOARD. FILL ALL HOLES AND PAINT THE WALL TO MATCH COLOR.
D9	REMOVE ALL SEALANTS FROM DOOR FRAMES, WINDOW FRAMES, CONTROL JOINTS, EXPANSION JOINTS, AROUND ALL EXTERIOR PENETRATIONS AND WHERE THE EXTERIOR WALL MEETS THE CONCRETE. SO THE NEW SEALANT WILL STICK. ALSO REMOVE ANY BACKER RODS BEHIND THE SEALANT.
D10	EXISTING STORAGE TANK TO BE REMOVED, REFER TO PLUMBING SHEETS.
D11	DEMOLISH EXISTING HEATING WATER BOILER, REFER TO MECHANICAL SHEETS.
D12	EXISTING HVAC BOILER TO REMAIN AND BE TEMPORARILY RELOCATED AS NECESSARY TO ACCOMODATE THE INSTALLATION OF NEW BOILER, REFER TO MECHANICAL SHEETS.

DEMOLITION PLAN LEGEND

- WALLS TO BE DEMOLISHED
- AREAS CONTAINING ASBESTOS. REFER TO ASBESTOS ABATEMENT REPORT FOR ADDITIONAL INFORMATION
- EXISTING TO REMAIN
- DOORS, MILLWORK, FIXTURES, ETC. TO BE REMOVED
- ELEMENT TO BE DEMOLISHED

DEMOLITION FLOOR PLAN GENERAL NOTES:

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B. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION WORK REQUIRED. REMOVE PORTIONS OF EXISTING SURFACES REQUIRED FOR THE DEMOLITION OF MECHANICAL, PLUMBING, AND/OR ELECTRICAL WORK. REPLACE ALL SURFACES WITH NEW MATERIALS OR PATCH EXISTING MATERIALS AS REQUIRED TO MATCH EXISTING SURFACES.

C. COORDINATE MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION WITH REQUIREMENTS FOR NEW MECHANICAL AND ELECTRICAL WORK. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS. WHERE EXISTING PLUMBING, ELECTRICAL, OR HVAC DEVICES ARE REMOVED, REMOVE ALL PLUMBING, ELECTRICAL, OR HVAC LINES, DUCTS, DEVICES, ETC. BACK TO MAIN.

D. AT ALL LOCATIONS WHERE NEW FLOORING IS SCHEDULED OR IT IS NOTED TO REMOVE EXISTING FLOORING, THE CONTRACTOR SHALL MECHANICALLY CLEAN THE FLOOR AS REQUIRED TO PROPERLY INSTALL THE NEW SCHEDULED FLOORING. SOLVENTS MAY NOT COMPLETELY CLEAN THE EXISTING CONCRETE TO PROVIDE AN ACCEPTABLE BASE FOR NEW FLOOR FINISH ADHESIVES, THEREFORE THERE ARE A VARIETY OF MECHANICAL MEANS WHICH MAY BE USED TO CLEAN THE FLOOR THOROUGHLY.

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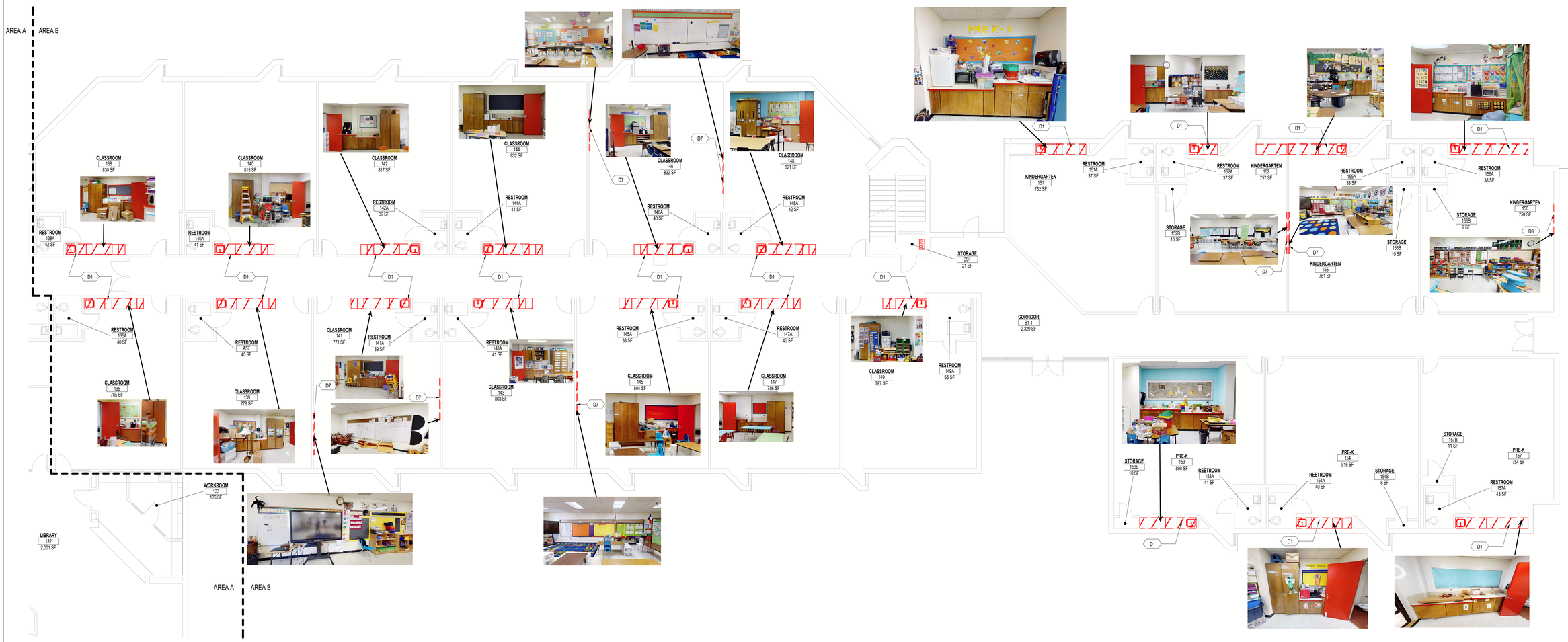
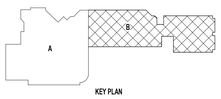


1 DEMOLITION FLOOR PLAN - AREA B - LEVEL 01

1/8" = 1'-0"

NORTH



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STATE OF TEXAS
REGISTERED ARCHITECT
11-11-24

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

DEMOLITION PLAN - AREA B - LEVEL 01

2.05A

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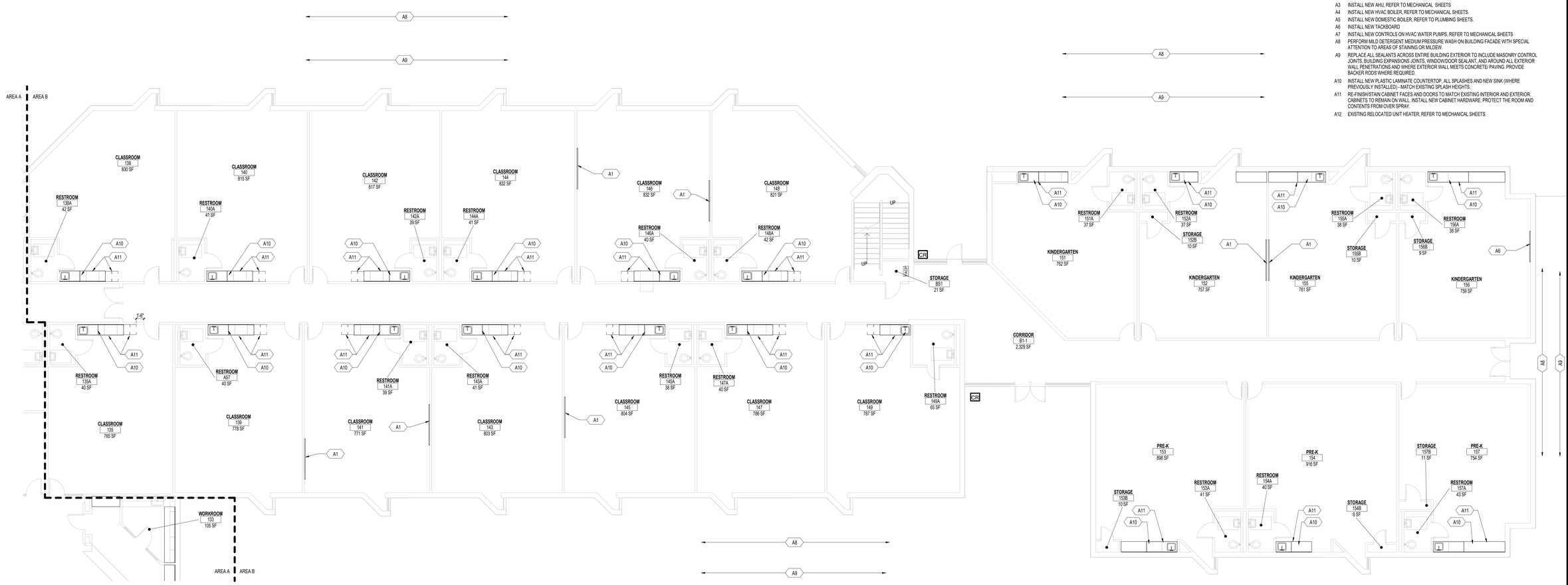

1 OVERALL FLOOR PLAN - AREA B - FIRST FLOOR
1/8" = 1'-0"

NORTH

WALL POCHE LEGEND ON FLOOR PLANS

- NEW METAL STUD WALL
- EXISTING WALL

FLOOR PLAN LEGEND

CR CARD READER

FLOOR PLAN GENERAL NOTES

A. REFER TO DEMOLITION DRAWINGS, IF ANY, FOR WORK REQUIRED IN ADVANCE OF CONSTRUCTION AND COORDINATE ACCORDINGLY.

B. ALL DOOR FRAMES ARE TO BE INSTALLED 1/4" AWAY OF ADJACENT PERPENDICULAR WALLS UNLESS NOTED OTHERWISE.

C. REFER TO LIFE SAFETY DRAWINGS FOR ADDITIONAL FIRE / SMOKE RATING REQUIREMENTS.

D. REFER TO INTERIOR FINISH DRAWINGS FOR ADDITIONAL INTERIOR FINISH SPECIFIC INFORMATION.

E. ALL DIMENSIONS ON PLANS ARE TO THE FACE OF FINISHED WALL, CONCRETE STRUCTURE, OR MASONRY UNLESS NOTED OTHERWISE.

F. ADD SUFFICIENT BLOCKING IN STUD WALLS TO SUPPORT ALL ITEMS OR EQUIPMENT SHOWN OR SPECIFIED TO BE ATTACHED TO THE WALLS. PROVIDE ADDITIONAL STRUCTURAL SUPPORT (ANGLES, CHANNELS, ETC.) WITHIN WALLS WHERE WEIGHT OF ATTACHED ITEMS IS TOO GREAT TO BE SUPPORTED BY METAL STUDS.

G. REFER TO EQUIPMENT DRAWINGS, IF ANY, FOR ADDITIONAL EQUIPMENT SPECIFIC INFORMATION.

H. PERFORM MILD DETERGENT MEDIUM PRESSURE WASH ON ENTIRE FACADE.

I. SEE SHEETS 4.09A, 4.09B AND 4.10 FOR NEW INTERIOR WAY FINDING SIGNAGE ROOM NAME AND NUMBER PLATES .

FLOOR PLAN NOTES BY NUMBER (A#)

A1 INSTALL NEW 8' LONG MAGNETIC WHITEBOARD - ADD ALTERNATE #2.
A3 INSTALL NEW AHU, REFER TO MECHANICAL SHEETS
A4 INSTALL NEW HVAC BOILER, REFER TO MECHANICAL SHEETS.
A5 INSTALL NEW DOMESTIC BOILER, REFER TO PLUMBING SHEETS.
A6 INSTALL NEW TACKBOARD
A7 INSTALL NEW CONTROLS ON HVAC WATER PUMPS; REFER TO MECHANICAL SHEETS
A8 PERFORM MILD DETERGENT MEDIUM PRESSURE WASH ON BUILDING FACADE WITH SPECIAL ATTENTION TO AREAS OF STAINING OR MILDEW.
A9 REPLACE ALL SEALANTS ACROSS ENTIRE BUILDING EXTERIOR TO INCLUDE MASONRY CONTROL JOINTS, BUILDING EXPANSIONS JOINTS, WINDOW/DOOR SEALANT, AND AROUND ALL EXTERIOR WALL PENETRATIONS AND WHERE EXTERIOR WALL MEETS CONCRETE/ PAVING. PROVIDE BACKER RODS WHERE REQUIRED.
A10 INSTALL NEW PLASTIC LAMINATE COUNTERTOP, ALL SPLASHES AND NEW SINK (WHERE PREVIOUSLY INSTALLED) - MATCH EXISTING SPLASH HEIGHTS.
A11 RE-FINISH/STAIN CABINET FACES AND DOORS TO MATCH EXISTING INTERIOR AND EXTERIOR CABINETS TO REMAIN ON WALL. INSTALL NEW CABINET HARDWARE. PROTECT THE ROOM AND CONTENTS FROM OVER SPRAY.
A12 EXISTING RELOCATED UNIT HEATER, REFER TO MECHANICAL SHEETS.

KEY PLAN

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REVISIONS:

REGISTERED ARCHITECT THOMAS R. MCCARTY 24941 STATE OF TEXAS
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JAMES BOWIE ELEMENTARY SCHOOL

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OVERALL FLOOR PLAN - AREA B - LEVEL 01

2.05B

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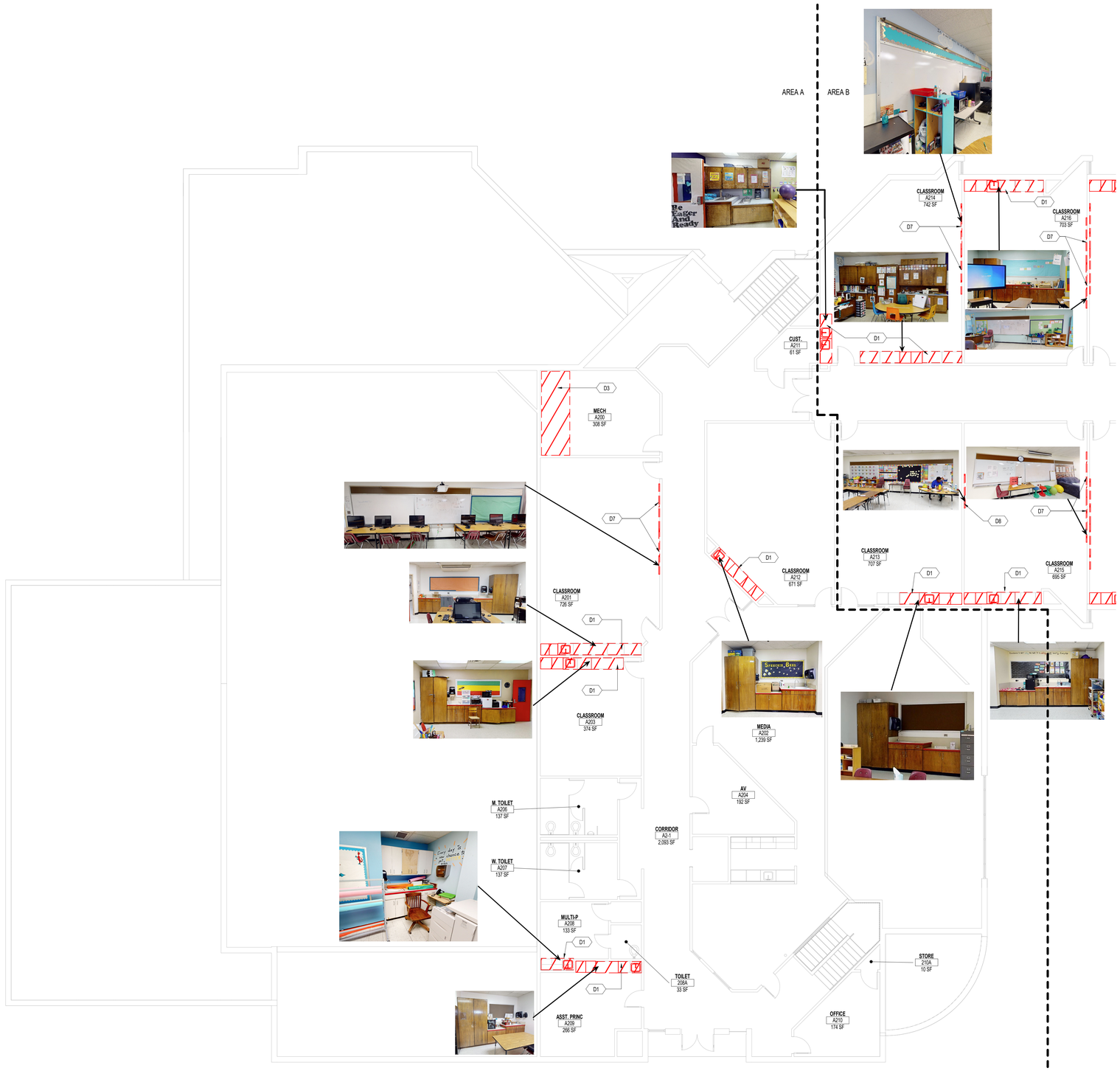


DEMOLITION FLOOR PLAN GENERAL NOTES:

A. THE INTENT OF THE DEMOLITION PLANS IS TO REMOVE ALL EXISTING CONSTRUCTION ITEMS THAT ARE NOT REQUIRED FOR THE FINISHED NEW CONSTRUCTION EVEN IF NOT INDIVIDUALLY ENUMERATED. MECHANICAL AND ELECTRICAL ITEMS INCLUDING BUT NOT LIMITED TO DUCTWORK, PLUMBING FIXTURES, ELECTRIC CONDUITS, BACK BOXES, PIPING "J" BOXES, ETC. NOT REQUIRED FOR THE FINISHED BUILDING SHALL BE REMOVED.

B. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION WORK REQUIRED. REMOVE PORTIONS OF EXISTING SURFACES REQUIRED FOR THE DEMOLITION OF MECHANICAL, PLUMBING, AND/OR ELECTRICAL WORK. REPLACE ALL SURFACES WITH NEW MATERIALS OR PATCH EXISTING MATERIALS AS REQUIRED TO MATCH EXISTING SURFACES.

C. COORDINATE MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION WITH REQUIREMENTS FOR NEW MECHANICAL AND ELECTRICAL WORK. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS. WHERE EXISTING PLUMBING, ELECTRICAL, OR HVAC DEVICES ARE REMOVED, REMOVE ALL PLUMBING, ELECTRICAL, OR HVAC LINES, DUCTS, DEVICES, ETC. BACK TO MAIN.

D. AT ALL LOCATIONS WHERE NEW FLOORING IS SCHEDULED OR IT IS NOTED TO REMOVE EXISTING FLOORING, THE CONTRACTOR SHALL MECHANICALLY CLEAN THE FLOOR AS REQUIRED TO PROPERLY INSTALL THE NEW SCHEDULED FLOORING. SOLVENTS MAY NOT COMPLETELY CLEAN THE EXISTING CONCRETE TO PROVIDE AN ACCEPTABLE BASE FOR NEW FLOOR FINISH ADHESIVES. THEREFORE THERE ARE A VARIETY OF MECHANICAL MEANS WHICH MAY BE USED TO CLEAN THE FLOOR THOROUGHLY.

E. THE CONTRACTOR SHALL FILL ALL EXISTING FLOOR DEPRESSIONS AND OPENINGS EVEN IF NOT INDIVIDUALLY ENUMERATED.

F. IT IS THE INTENT, EVEN IF NOT SPECIFICALLY NOTED ON THE DRAWINGS, THAT THE CONSTRUCTION/REMODEL PERIMETER TO BE SEALED IN A MANNER TO PREVENT CONSTRUCTION DEBRIS AND DUST FROM MIGRATING FROM A CONSTRUCTION AREA TO A BUILDING OPERATIONAL AREA, AS REQUIRED FOR EACH PHASE OF CONSTRUCTION.

G. OWNER WILL REMOVE ANY ITEMS THEY WANT TO SALVAGE PRIOR TO COMMENCING DEMOLITION. HOWEVER, OWNER RETAINS FIRST RIGHT TO SALVAGED MATERIALS EVEN IF NOT INDIVIDUALLY ENUMERATED. AT THE OWNER'S REQUEST, CONTRACTOR WILL DELIVER REQUESTED SALVAGE MATERIAL TO THE OWNER.

H. SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE SLAB OR CORE FLOOR AS REQUIRED FOR INSTALLATION OF NEW UNDER FLOOR UTILITIES (TYPICAL). PATCH AND REPAIR TO LIKE NEW CONDITION.

DEMOLITION FLOOR PLAN NOTES BY NUMBER D#

D1 REMOVE EXISTING PLASTIC LAMINATE COUNTERTOP, ALL SPLASHES AND SINK IF PRESENT. REMOVE EXISTING HARDWARE. PREPARE LOWER, UPPER AND TALL CABINET AND ALL DOORS FOR REFINISHING, INTERIOR AND EXTERIOR.

D2 REMOVE EXISTING CHILLER, REFER TO MECHANICAL SHEETS.

D3 REMOVE EXISTING AHU, REFER TO MECHANICAL SHEETS.

D4 EXISTING UNIT HEATER TO REMAIN AND BE TEMPORARILY RELOCATED AS NECESSARY TO ACCOMODATE THE INSTALLATION OF NEW BOILER, REFER TO MECHANICAL SHEETS.

D5 REMOVE EXISTING DOMESTIC BOILER, REFER TO PLUMBING SHEETS.

D6 REMOVE EXISTING CONTROLS ON HVAC PUMPS. REFER TO MECHANICAL SHEETS.

D7 REMOVE EXISTING CHALKBOARD OR MARKER BOARD AND REPLACE WITH NEW MAGNETIC WHITEBOARD. FILL ALL HOLES IN WALL AND PAINT THE WALL TO MATCH COLOR. ADD ALTERNATE #2.

D8 REMOVE EXISTING TACKBOARD AND REPLACE WITH NEW TACKBOARD. FILL ALL HOLES AND PAINT THE WALL TO MATCH COLOR.

D9 REMOVE ALL SEALANTS FROM DOOR FRAMES, WINDOW FRAMES, CONTROL JOINTS, EXPANSION JOINTS, AROUND ALL EXTERIOR PENETRATIONS AND WHERE THE EXTERIOR WALL MEETS THE CONCRETE. SO THE NEW SEALANT WILL STICK. ALSO REMOVE ANY BACKER RODS BEHIND THE SEALANT.

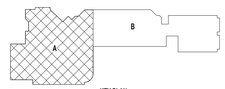
D10 EXISTING STORAGE TANK TO BE REMOVED, REFER TO PLUMBING SHEETS.

D11 DEMOLISH EXISTING HEATING WATER BOILER, REFER TO MECHANICAL SHEETS.

D12 EXISTING HVAC BOILER TO REMAIN AND BE TEMPORARILY RELOCATED AS NECESSARY TO ACCOMODATE THE INSTALLATION OF NEW BOILER, REFER TO MECHANICAL SHEETS.

DEMOLITION PLAN LEGEND

- WALLS TO BE DEMOLISHED
- AREAS CONTAINING ASBESTOS. REFER TO ASBESTOS ABATEMENT REPORT FOR ADDITIONAL INFORMATION
- EXISTING TO REMAIN
- DOORS, MILLWORK, FIXTURES, ETC. TO BE REMOVED
- ELEMENT TO BE DEMOLISHED



KEY PLAN

1 DEMOLITION FLOOR PLAN - AREA A - LEVEL 02
1/8" = 1'-0"

NORTH

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

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DEMOLITION PLAN - AREA A - LEVEL 02

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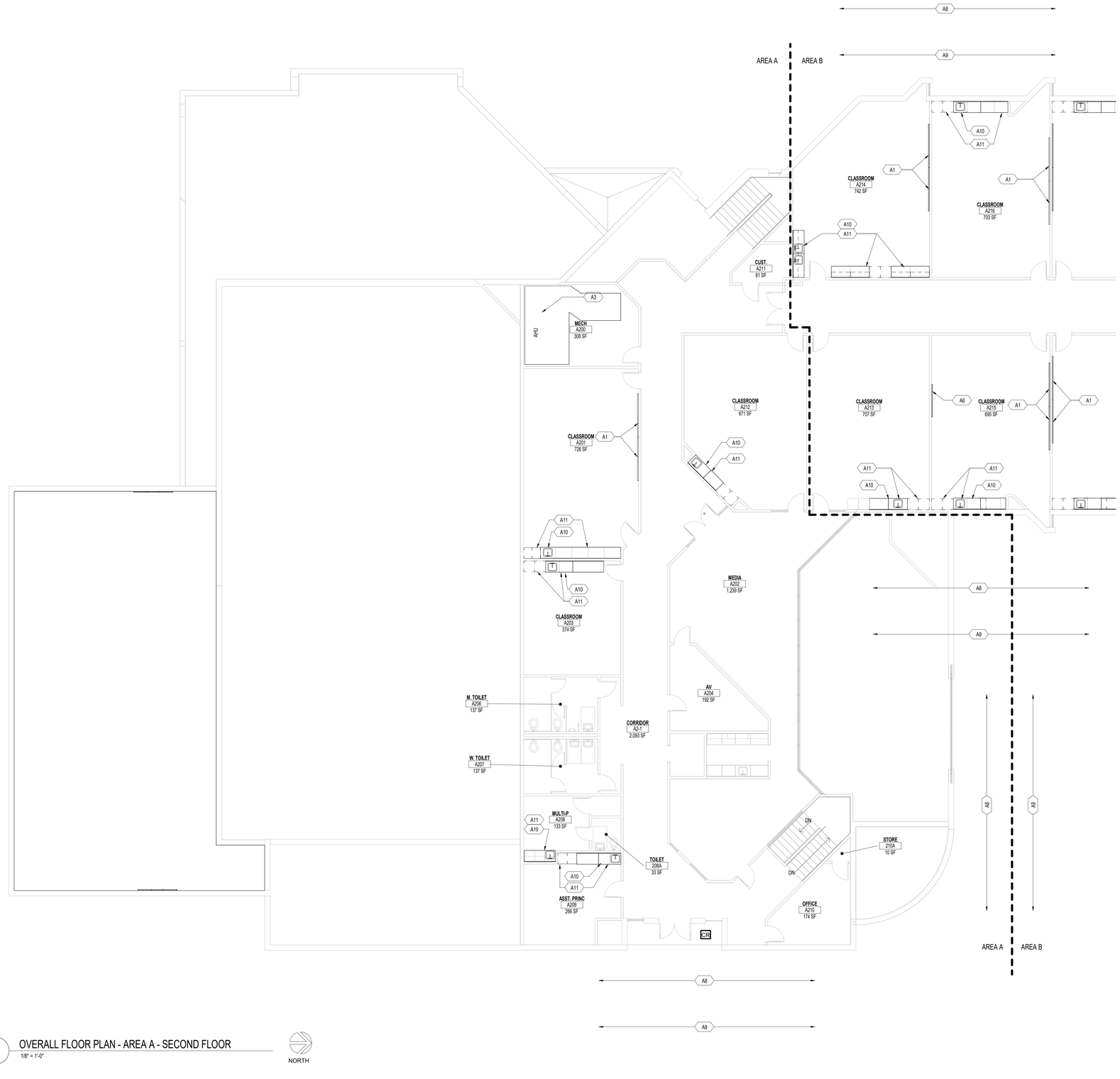

1 OVERALL FLOOR PLAN - AREA A - SECOND FLOOR
1/8" = 1'-0"

NORTH

FLOOR PLAN GENERAL NOTES

A. REFER TO DEMOLITION DRAWINGS, IF ANY, FOR WORK REQUIRED IN ADVANCE OF CONSTRUCTION AND COORDINATE ACCORDINGLY.

B. ALL DOOR FRAMES ARE TO BE INSTALLED 1/4" AWAY OF ADJACENT PERPENDICULAR WALLS UNLESS NOTED OTHERWISE.

C. REFER TO LIFE SAFETY DRAWINGS FOR ADDITIONAL FIRE / SMOKE RATING REQUIREMENTS.

D. REFER TO INTERIOR FINISH DRAWINGS FOR ADDITIONAL INTERIOR FINISH SPECIFIC INFORMATION.

E. ALL DIMENSIONS ON PLANS ARE TO THE FACE OF FINISHED WALL, CONCRETE STRUCTURE, OR MASONRY UNLESS NOTED OTHERWISE.

F. ADD SUFFICIENT BLOCKING IN STUD WALLS TO SUPPORT ALL ITEMS OR EQUIPMENT SHOWN OR SPECIFIED TO BE ATTACHED TO THE WALLS. PROVIDE ADDITIONAL STRUCTURAL SUPPORT (ANGLES, CHANNELS, ETC.) WITHIN WALLS WHERE WEIGHT OF ATTACHED ITEMS IS TOO GREAT TO BE SUPPORTED BY METAL STUDS.

G. REFER TO EQUIPMENT DRAWINGS, IF ANY, FOR ADDITIONAL EQUIPMENT SPECIFIC INFORMATION.

H. PERFORM MILD DETERGENT MEDIUM PRESSURE WASH ON ENTIRE FACADE.

I. SEE SHEETS 4.09A, 4.09B AND 4.10 FOR NEW INTERIOR WAY FINDING SIGNAGE ROOM NAME AND NUMBER PLATES .

FLOOR PLAN NOTES BY NUMBER (A#)

A1 INSTALL NEW 8' LONG MAGNETIC WHITEBOARD - ADD ALTERNATE #2.
A3 INSTALL NEW AHU, REFER TO MECHANICAL SHEETS
A4 INSTALL NEW HVAC BOILER, REFER TO MECHANICAL SHEETS.
A5 INSTALL NEW DOMESTIC BOILER, REFER TO PLUMBING SHEETS.
A6 INSTALL NEW TACKBOARD
A7 INSTALL NEW CONTROLS ON HVAC WATER PUMPS, REFER TO MECHANICAL SHEETS.
A8 PERFORM MILD DETERGENT MEDIUM PRESSURE WASH ON BUILDING FACADE WITH SPECIAL ATTENTION TO AREAS OF STAINING OR MILDEW.
A9 REPLACE ALL SEALANTS ACROSS ENTIRE BUILDING EXTERIOR TO INCLUDE MASONRY CONTROL JOINTS, BUILDING EXPANSIONS JOINTS, WINDOW/DOOR SEALANT, AND AROUND ALL EXTERIOR WALL PENETRATIONS AND WHERE EXTERIOR WALL MEETS CONCRETE/ PAVING. PROVIDE BACKER RODS WHERE REQUIRED.
A10 INSTALL NEW PLASTIC LAMINATE COUNTERTOP, ALL SPLASHES AND NEW SINK (WHERE PREVIOUSLY INSTALLED) - MATCH EXISTING SPLASH HEIGHTS.
A11 RE-FINISH/STAIN CABINET FACES AND DOORS TO MATCH EXISTING INTERIOR AND EXTERIOR. CABINETS TO REMAIN ON WALL. INSTALL NEW CABINET HARDWARE. PROTECT THE ROOM AND CONTENTS FROM OVER SPRAY.
A12 EXISTING RELOCATED UNIT HEATER, REFER TO MECHANICAL SHEETS.

WALL POCHE LEGEND ON FLOOR PLANS

NEW METAL STUD WALL

EXISTING WALL

KEY PLAN

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REVISIONS:

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330 NORTH MARSALIS AVE, DALLAS, TX 75203

OVERALL FLOOR PLAN - AREA A - LEVEL 02

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DEMOLITION FLOOR PLAN NOTES BY NUMBER

D#

D1	REMOVE EXISTING PLASTIC LAMINATE COUNTERTOP, ALL SPLASHES AND SINK IF PRESENT. REMOVE EXISTING HARDWARE. PREPARE LOWER, UPPER AND TALL CABINET AND ALL DOORS FOR REFINISHING, INTERIOR AND EXTERIOR.
D2	REMOVE EXISTING CHILLER, REFER TO MECHANICAL SHEETS.
D3	REMOVE EXISTING AHU. REFER TO MECHANICAL SHEETS.
D4	EXISTING UNIT HEATER TO REMAIN AND BE TEMPORARILY RELOCATED AS NECESSARY TO ACCOMODATE THE INSTALLATION OF NEW BOILER, REFER TO MECHANICAL SHEETS.
D5	REMOVE EXISTING DOMESTIC BOILER, REFER TO PLUMBING SHEETS.
D6	REMOVE EXISTING CONTROLS ON HVAC PUMPS, REFER TO MECHANICAL SHEETS.
D7	REMOVE EXISTING CHALKBOARD OR MARKER BOARD AND REPLACE WITH NEW MAGNETIC WHITEBOARD. FILL ALL HOLES IN WALL AND PAINT THE WALL TO MATCH COLOR. ADD ALTERNATE #2.
D8	REMOVE EXISTING TACKBOARD AND REPLACE WITH NEW TACKBOARD. FILL ALL HOLES AND PAINT THE WALL TO MATCH COLOR.
D9	REMOVE ALL SEALANTS FROM DOOR FRAMES, WINDOW FRAMES, CONTROL JOINTS, EXPANSION JOINTS, AROUND ALL EXTERIOR PENETRATIONS AND WHERE THE EXTERIOR WALL MEETS THE CONCRETE. SO THE NEW SEALANT WILL STICK. ALSO REMOVE ANY BACKER RODS BEHIND THE SEALANT.
D10	EXISTING STORAGE TANK TO BE REMOVED, REFER TO PLUMBING SHEETS.
D11	DEMOLISH EXISTING HEATING WATER BOILER, REFER TO MECHANICAL SHEETS.
D12	EXISTING HVAC BOILER TO REMAIN AND BE TEMPORARILY RELOCATED AS NECESSARY TO ACCOMODATE THE INSTALLATION OF NEW BOILER, REFER TO MECHANICAL SHEETS.

DEMOLITION PLAN LEGEND

- WALLS TO BE DEMOLISHED
- AREAS CONTAINING ASBESTOS. REFER TO ASBESTOS ABATEMENT REPORT FOR ADDITIONAL INFORMATION
- EXISTING TO REMAIN
- DOORS, MILLWORK, FIXTURES, ETC. TO BE REMOVED
- ELEMENT TO BE DEMOLISHED

DEMOLITION FLOOR PLAN GENERAL NOTES:

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B. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION WORK REQUIRED. REMOVE PORTIONS OF EXISTING SURFACES REQUIRED FOR THE DEMOLITION OF MECHANICAL, PLUMBING, AND/OR ELECTRICAL WORK. REPLACE ALL SURFACES WITH NEW MATERIALS OR PATCH EXISTING MATERIALS AS REQUIRED TO MATCH EXISTING SURFACES.

C. COORDINATE MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION WITH REQUIREMENTS FOR NEW MECHANICAL AND ELECTRICAL WORK. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS. WHERE EXISTING PLUMBING, ELECTRICAL, OR HVAC DEVICES ARE REMOVED, REMOVE ALL PLUMBING, ELECTRICAL, OR HVAC LINES, DUCTS, DEVICES, ETC. BACK TO MAIN.

D. AT ALL LOCATIONS WHERE NEW FLOORING IS SCHEDULED OR IT IS NOTED TO REMOVE EXISTING FLOORING, THE CONTRACTOR SHALL MECHANICALLY CLEAN THE FLOOR AS REQUIRED TO PROPERLY INSTALL THE NEW SCHEDULED FLOORING. SOLVENTS MAY NOT COMPLETELY CLEAN THE EXISTING CONCRETE TO PROVIDE AN ACCEPTABLE BASE FOR NEW FLOOR FINISH ADHESIVES, THEREFORE THERE ARE A VARIETY OF MECHANICAL MEANS WHICH MAY BE USED TO CLEAN THE FLOOR THOROUGHLY.

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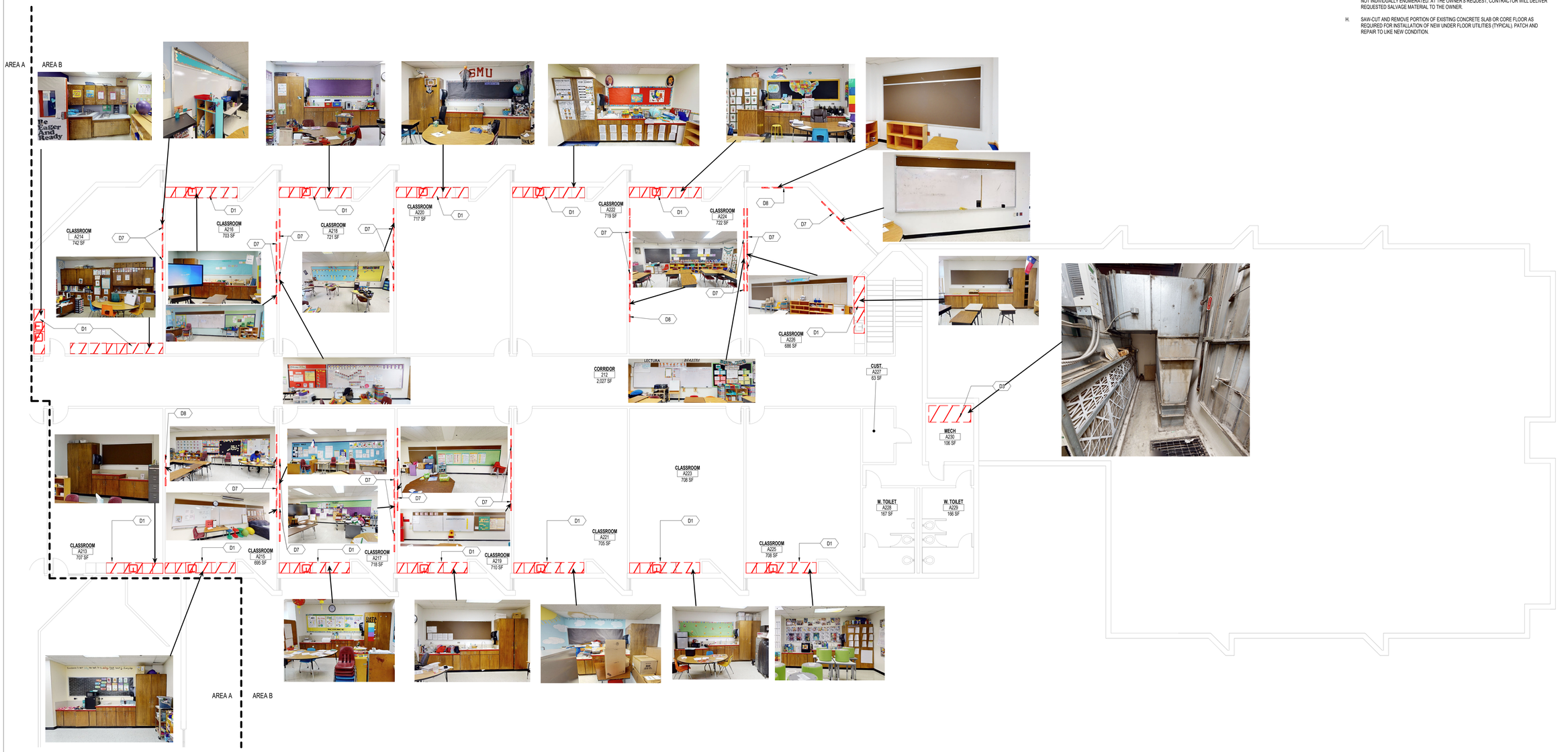
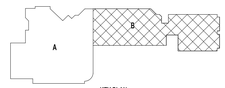


1 DEMOLITION FLOOR PLAN - AREA B - LEVEL 02
1/8" = 1'-0"

NORTH



KEY PLAN

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DEMOLITION PLAN - AREA B - LEVEL 02

2.07A

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REVISIONS:

WALL POCHE LEGEND ON FLOOR PLANS

NEW METAL STUD WALL

EXISTING WALL

FLOOR PLAN LEGEND

CR CARD READER

FLOOR PLAN GENERAL NOTES

A. REFER TO DEMOLITION DRAWINGS, IF ANY, FOR WORK REQUIRED IN ADVANCE OF CONSTRUCTION AND COORDINATE ACCORDINGLY.

B. ALL DOOR FRAMES ARE TO BE INSTALLED 1/4" AWAY OF ADJACENT PERPENDICULAR WALLS UNLESS NOTED OTHERWISE.

C. REFER TO LIFE SAFETY DRAWINGS FOR ADDITIONAL FIRE / SMOKE RATING REQUIREMENTS.

D. REFER TO INTERIOR FINISH DRAWINGS FOR ADDITIONAL INTERIOR FINISH SPECIFIC INFORMATION.

E. ALL DIMENSIONS ON PLANS ARE TO THE FACE OF FINISHED WALL, CONCRETE STRUCTURE, OR MASONRY UNLESS NOTED OTHERWISE.

F. ADD SUFFICIENT BLOCKING IN STUD WALLS TO SUPPORT ALL ITEMS OR EQUIPMENT SHOWN OR SPECIFIED TO BE ATTACHED TO THE WALLS. PROVIDE ADDITIONAL STRUCTURAL SUPPORT (ANGLES, CHANNELS, ETC.) WITHIN WALLS WHERE WEIGHT OF ATTACHED ITEMS IS TOO GREAT TO BE SUPPORTED BY METAL STUDS.

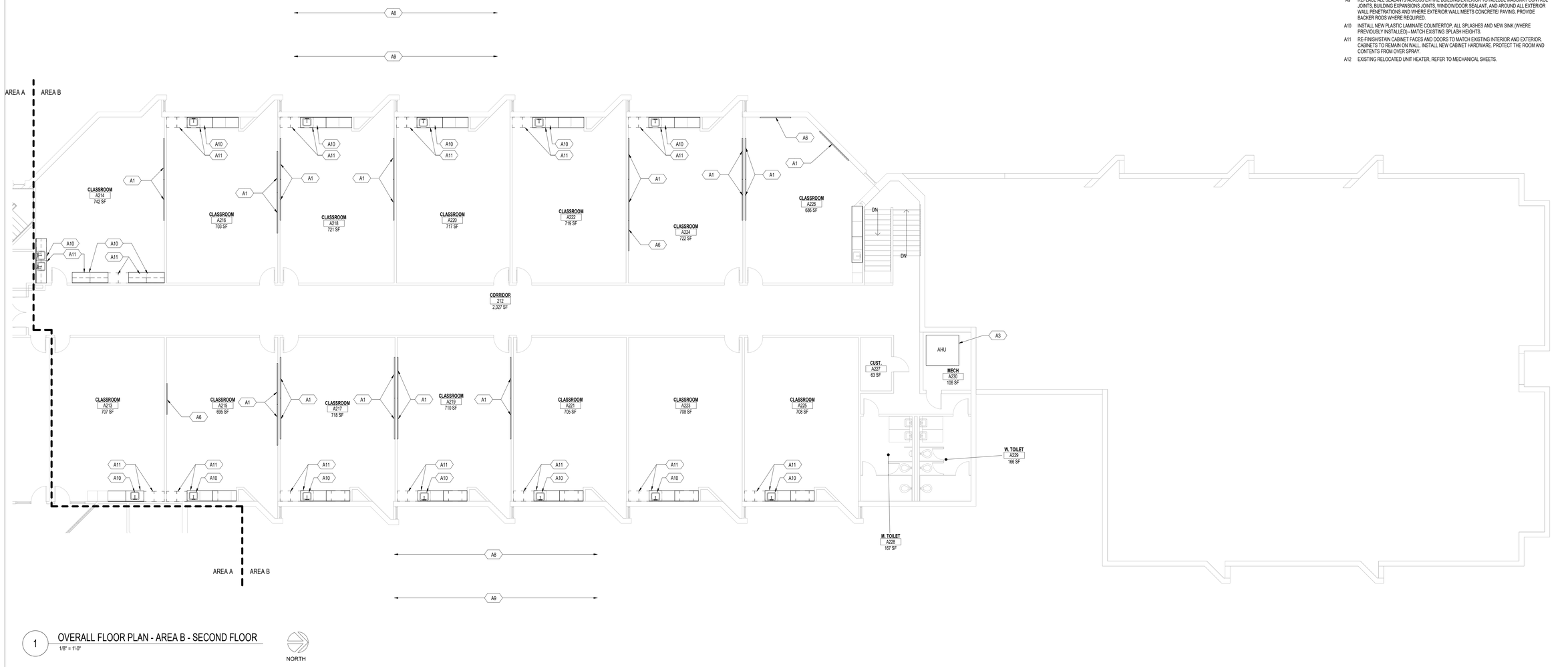
G. REFER TO EQUIPMENT DRAWINGS, IF ANY, FOR ADDITIONAL EQUIPMENT SPECIFIC INFORMATION.

H. PERFORM MILD DETERGENT MEDIUM PRESSURE WASH ON ENTIRE FACADE.

I. SEE SHEETS 4.09A, 4.09B AND 4.10 FOR NEW INTERIOR WAY FINDING SIGNAGE ROOM NAME AND NUMBER PLATES .

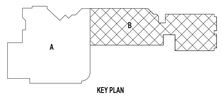
FLOOR PLAN NOTES BY NUMBER (A#)

A1 INSTALL NEW 8' LONG MAGNETIC WHITEBOARD - ADD ALTERNATE #2.
A3 INSTALL NEW AHU, REFER TO MECHANICAL SHEETS
A4 INSTALL NEW HVAC BOILER, REFER TO MECHANICAL SHEETS.
A5 INSTALL NEW DOMESTIC BOILER, REFER TO PLUMBING SHEETS.
A6 INSTALL NEW TACKBOARD
A7 INSTALL NEW CONTROLS ON HVAC WATER PUMPS, REFER TO MECHANICAL SHEETS
A8 PERFORM MILD DETERGENT MEDIUM PRESSURE WASH ON BUILDING FACADE WITH SPECIAL ATTENTION TO AREAS OF STAINING OR MILDEW.
A9 REPLACE ALL SEALANTS ACROSS ENTIRE BUILDING EXTERIOR TO INCLUDE MASONRY CONTROL JOINTS, BUILDING EXPANSIONS JOINTS, WINDOW/DOOR SEALANT, AND AROUND ALL EXTERIOR WALL PENETRATIONS AND WHERE EXTERIOR WALL MEETS CONCRETE/ PAVING. PROVIDE BACKER RODS WHERE REQUIRED.
A10 INSTALL NEW PLASTIC LAMINATE COUNTERTOP, ALL SPLASHES AND NEW SINK (WHERE PREVIOUSLY INSTALLED) - MATCH EXISTING SPLASH HEIGHTS.
A11 RE-FINISH/STAIN CABINET FACES AND DOORS TO MATCH EXISTING INTERIOR AND EXTERIOR. CABINETS TO REMAIN ON WALL. INSTALL NEW CABINET HARDWARE. PROTECT THE ROOM AND CONTENTS FROM OVER SPRAY.
A12 EXISTING RELOCATED UNIT HEATER, REFER TO MECHANICAL SHEETS.



1 OVERALL FLOOR PLAN - AREA B - SECOND FLOOR
1/8" = 1'-0"

NORTH



KEY PLAN

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PHONE: (817) 265-1542
FAX: (817) 265-1582
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TBAE FIRM # BR 1350

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

OVERALL FLOOR PLAN - AREA B - LEVEL 02

2.07B

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DEMOLITION ROOF PLAN GENERAL NOTES:

A. THE INTENT OF THE DEMOLITION PLANS IS TO REMOVE ALL EXISTING CONSTRUCTION ITEMS THAT ARE NOT REQUIRED FOR THE FINISHED NEW CONSTRUCTION EVEN IF NOT INDIVIDUALLY ENUMERATED. MECHANICAL AND ELECTRICAL ITEMS INCLUDING BUT NOT LIMITED TO DUCTWORK, PLUMBING FIXTURES, ELECTRIC CONDUITS, BACK BOXES, PIPING "J" BOXES, ETC. NOT REQUIRED FOR THE FINISHED BUILDING SHALL BE REMOVED.

B. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION WORK REQUIRED. REMOVE PORTIONS OF EXISTING SURFACES REQUIRED FOR THE DEMOLITION OF MECHANICAL, PLUMBING, AND/OR ELECTRICAL WORK. REPLACE ALL SURFACES WITH NEW MATERIALS OR PATCH EXISTING MATERIALS AS REQUIRED TO MATCH EXISTING SURFACES.

C. COORDINATE MECHANICAL, PLUMBING, AND ELECTRICAL DEMOLITION WITH REQUIREMENTS FOR NEW MECHANICAL AND ELECTRICAL WORK. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS. WHERE EXISTING PLUMBING, ELECTRICAL, OR HVAC DEVICES ARE REMOVED, REMOVE ALL PLUMBING, ELECTRICAL, OR HVAC LINES, DUCTS, DEVICES, ETC. BACK TO MAIN.

D. AT ALL LOCATIONS WHERE NEW FLOORING IS SCHEDULED OR IT IS NOTED TO REMOVE EXISTING FLOORING, THE CONTRACTOR SHALL MECHANICALLY CLEAN THE FLOOR AS REQUIRED TO PROPERLY INSTALL THE NEW SCHEDULED FLOORING. SOLVENTS MAY NOT COMPLETELY CLEAN THE EXISTING CONCRETE TO PROVIDE AN ACCEPTABLE BASE FOR NEW FLOOR FINISH ADHESIVES, THEREFORE THERE ARE A VARIETY OF MECHANICAL MEANS WHICH MAY BE USED TO CLEAN THE FLOOR THOROUGHLY.

E. THE CONTRACTOR SHALL FILL ALL EXISTING FLOOR DEPRESSIONS AND OPENINGS EVEN IF NOT INDIVIDUALLY ENUMERATED.

F. IT IS THE INTENT, EVEN IF NOT SPECIFICALLY NOTED ON THE DRAWINGS, THAT THE CONSTRUCTION/REMODEL PERIMETER TO BE SEALED IN A MANNER TO PREVENT CONSTRUCTION DEBRIS AND DUST FROM MIGRATING FROM A CONSTRUCTION AREA TO A BUILDING OPERATIONAL AREA, AS REQUIRED FOR EACH PHASE OF CONSTRUCTION.

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H. SAW-CUT AND REMOVE PORTION OF EXISTING CONCRETE SLAB OR CORE FLOOR AS REQUIRED FOR INSTALLATION OF NEW UNDER FLOOR UTILITIES (TYPICAL).

DEMOLITION ROOF PLAN NOTES BY NUMBER DR#

DR1 REMOVE EXISTING EXHAUST FAN. - ADD ALTERNATE #3. REFER TO MECHANICAL DRAWINGS FOR QUANTITIES AND LOCATIONS.
DR2 REMOVE EXISTING RTU'S. REFER TO MECHANICAL DRAWINGS.
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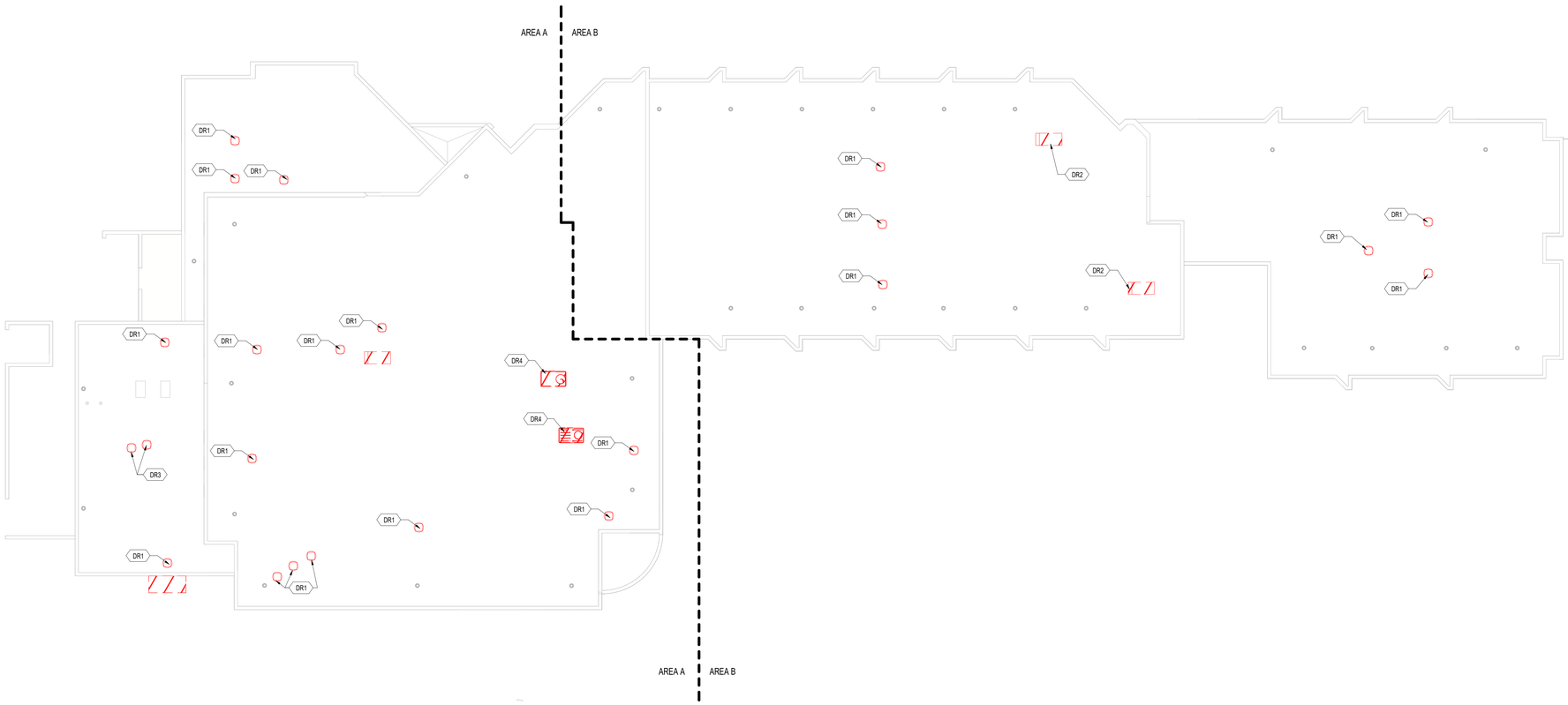
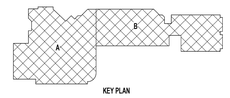


1 DEMOLITION ROOF PLAN
1/16" = 1'-0"

NORTH



KEY PLAN

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REVISIONS:

REGISTERED ARCHITECT JAMES R. MCCARTY 24981 STATE OF TEXAS 11-11-24

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TBAE FIRM # BR 1330

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

DEMOLITION ROOF PLAN

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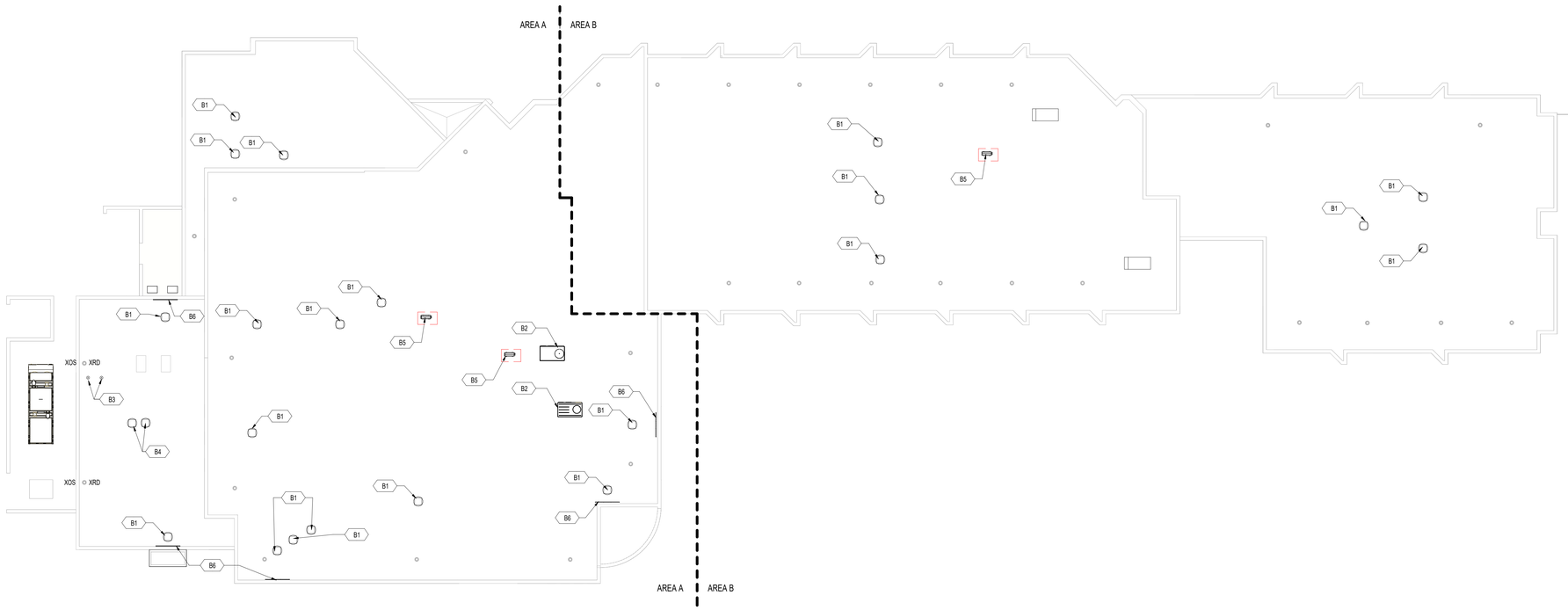

1 ROOF PLAN
1/16" = 1'-0"

NORTH

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B. REFER TO MECHANICAL/ELECTRICAL DRAWINGS FOR INSTALLATION AND CURB DETAILS FOR MEP.

C. EQUIPMENT MOUNTED ON ROOF. NOT ALL ITEMS ARE NECESSARILY SHOWN ON THIS ROOF PLAN.

D. ALL CURBS MUST BE 1'-0" TALL MIN. ABOVE ROOF LEVEL.

E. PROVIDE WALK TREADS AROUND ROOF HATCH AND ROOF MOUNTED EQUIPMENT.

F. PROVIDE 2'-6" X 2'-6" SQUARE LEAD FLASHING OF 2 1/2" LBS/SF. MIN. PRIMED AND SET IN MASTIC AT ALL ROOF DRAINS AND OVERFLOW DRAINS PER NCRA RECOMMENDATIONS.

G. ALL MECHANICAL EQUIPMENT SHOWN ON THE ROOF PLAN IS SHOWN FOR COORDINATION. QUANTITIES AND EXACT LOCATION OF ALL EQUIPMENT SHALL BE PROPERLY COORDINATED PRIOR TO INSTALLATION AS REQUIRED AND FIELD VERIFIED.

H. ALL PIPE, VENTS THROUGH ROOF, CONDUIT, EQUIPMENT SUPPORT, BUILDING MAINTENANCE TIE, BACK ANCHOR PENETRATIONS SHALL BE FLASHED PER DETAILS AND ROOFING MANUFACTURER'S WRITTEN AND DRAWN INSTRUCTIONS.

ROOF PLAN SYMBOLS LEGEND

X.O.S.	EXISTING OVERFLOW SCUPPER
R.D.	ROOF DRAIN
O.D.	OVERFLOW DRAIN
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	CRICKET. MINIMUM NET SLOPE 1/4"/FT. TO DRAIN
	ROOF TO ROOF ALUMINUM STAIRS
	WALKWAY PADS

ROOF PLAN NOTES BY NUMBER B#

B1 REPLACE EXHAUST FAN - ADD ALT#3. REFER TO MECHANICAL FOR QUANTITIES AND LOCATIONS.
B2 REPLACE EXISTING RTU'S WITH NEW UNIT. REFER TO MECHANICAL SHEETS
B3 OFFSET AND EXTEND EXISTING PLUMBING VENTS ABOVE KITCHEN TO CREATE SEPARATION FROM ANY OUTSIDE AIR INTAKE TO ELEMINATE SEWER SMELL BEING DRAWN INTO THE KITCHEN/BUILDING REFER TO MECHANICAL SHEETS.
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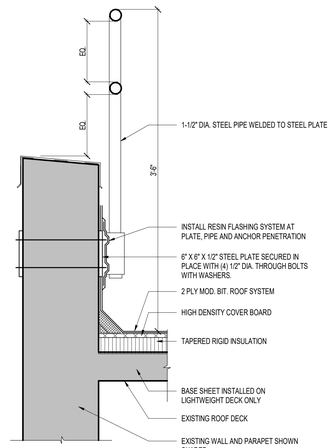
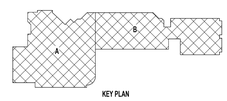
B6 PROVIDE GUARD RAIL 3'- 6" ABOVE ROOF SURFACE WHERE MECHANICAL UNITS ARE 10'-0" FROM THE ROOF EDGE EXTEND GUARD RAIL 30' FROM THE SIDE OF EACH MECHANICAL UNIT. SEE DETAIL 2/2.08B..



2 GUARDRAIL AT PARAPET
1 1/2" = 1'-0"



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TBAE FIRM # BR 1330

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

ROOF PLAN

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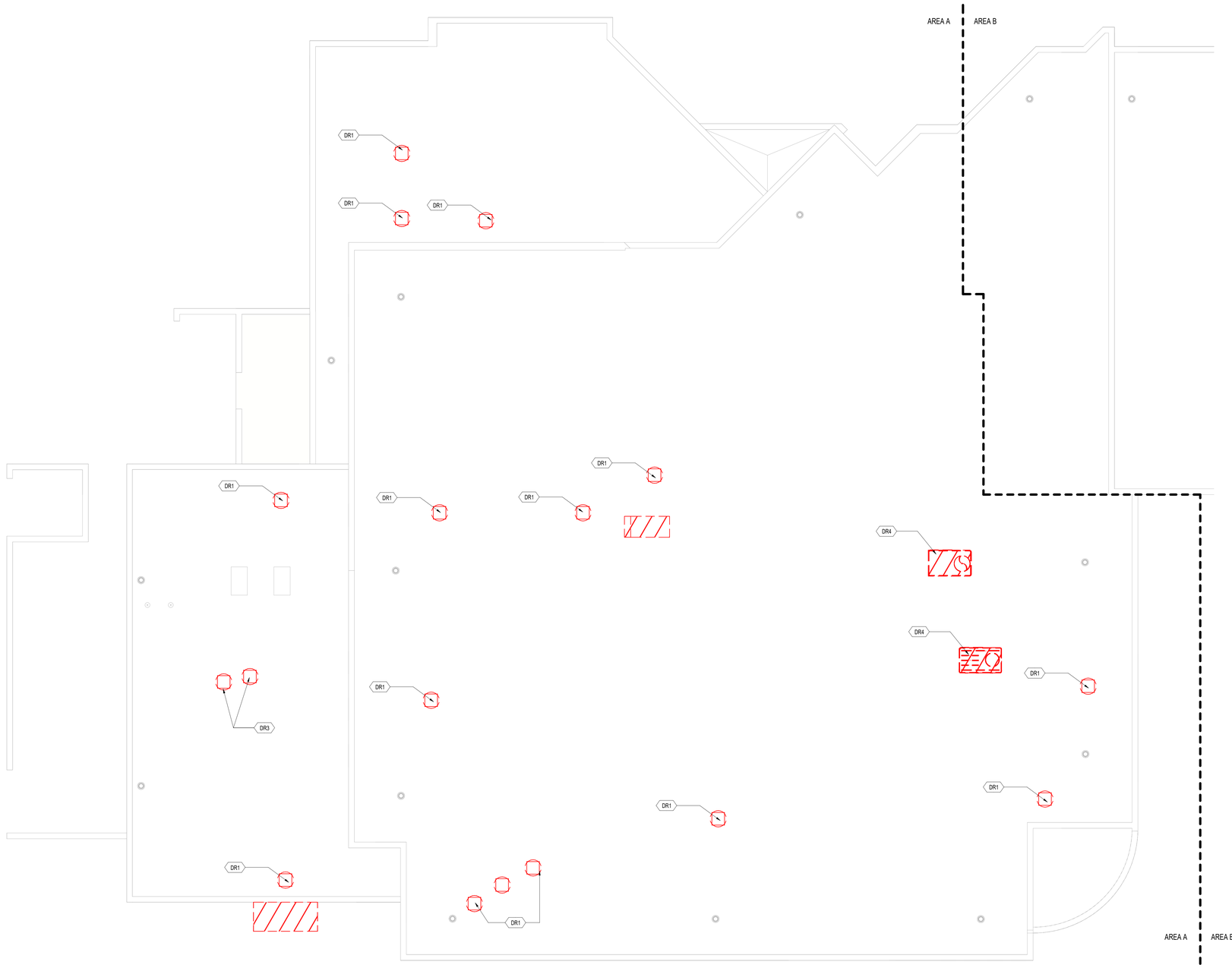

1 DEMOLITION ROOF PLAN - AREA A
1/8" = 1'-0"

NORTH

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DEMOLITION ROOF PLAN NOTES BY NUMBER D#

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DR2 REMOVE EXISTING RTU'S. REFER TO MECHANICAL DRAWINGS.
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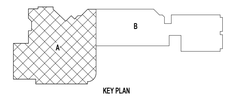
DR4 REMOVE EXISTING SPLIT SYSTEM UNITS, REFER TO MECHANICAL DRAWINGS.



KEY PLAN

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REVISIONS:

REGISTERED ARCHITECT JAMES B. MCCARTY STATE OF TEXAS 11-11-24

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE. DALLAS, TX 75203

DEMOLITION ROOF PLAN - AREA A

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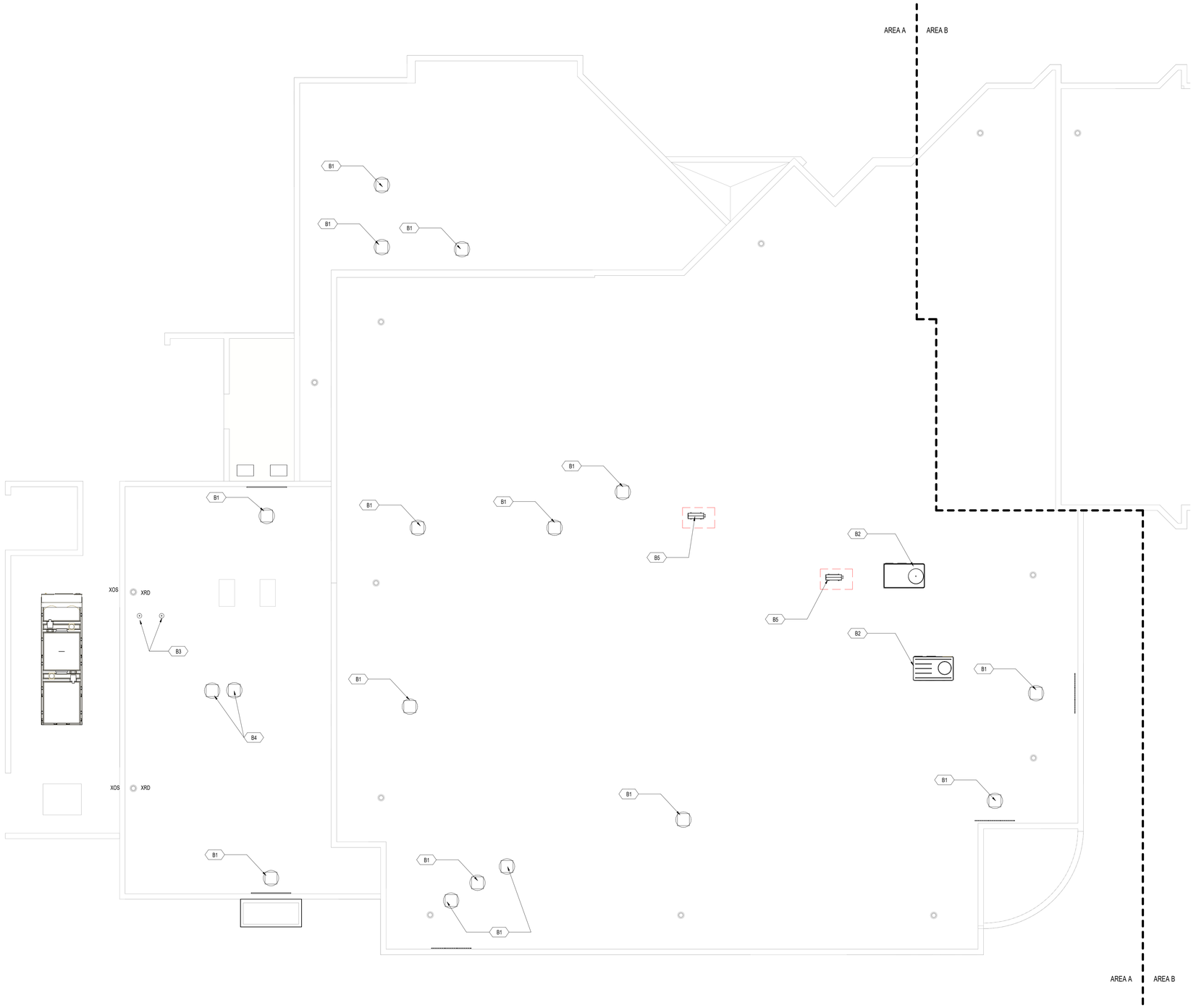

1 ROOF PLAN - AREA A
1/8" = 1'-0"

NORTH

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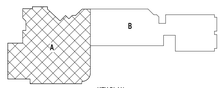

KEY PLAN

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REVISIONS:

REGISTERED ARCHITECT THOMAS R. MCCARTY 29987 STATE OF TEXAS 11-11-24

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ROOF PLAN - AREA A

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DEMOLITION ROOF PLAN NOTES BY NUMBER

DR#

DR1 REMOVE EXISTING EXHAUST FAN. - ADD ALTERNATE #3. REFER TO MECHANICAL DRAWINGS FOR QUANTITIES AND LOCATIONS.
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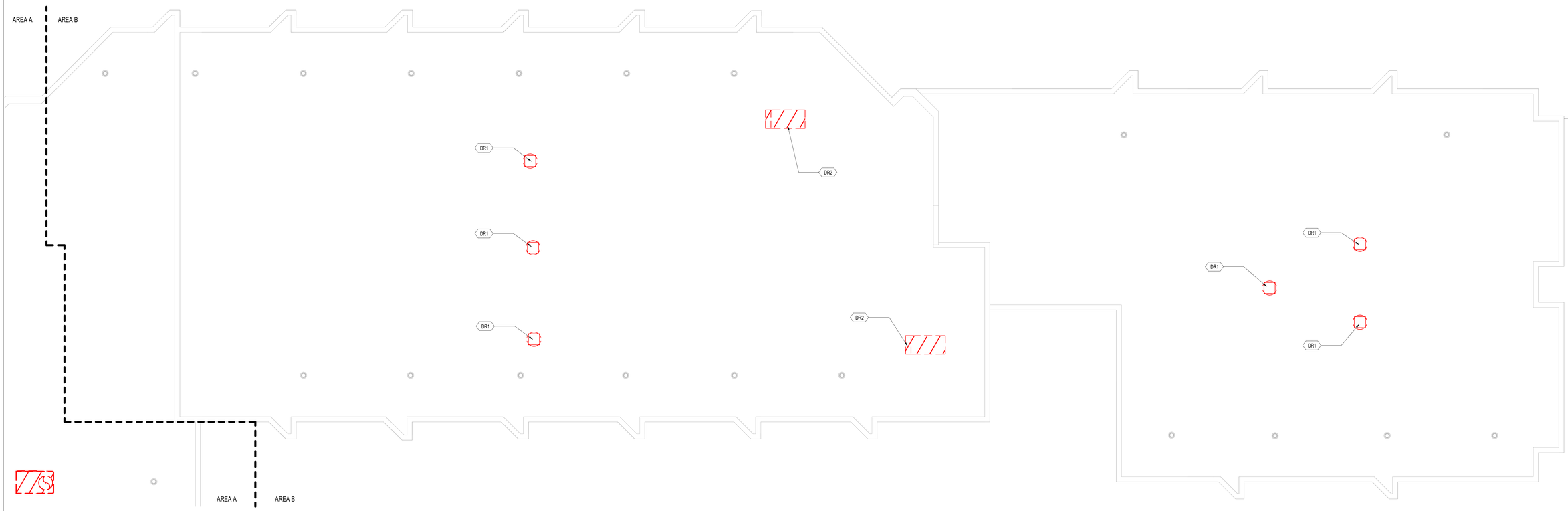
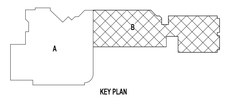


1 DEMOLITION ROOF PLAN - AREA B
1/8" = 1'-0"

NORTH



KEY PLAN

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REVISIONS:

REGISTERED ARCHITECT
THOMAS E. MCCARTY
STATE OF TEXAS
11-11-24

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TBAE FIRM # BR 1030

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

DEMOLITION ROOF PLAN - AREA B

2.10A

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ROOF PLAN NOTES BY NUMBER

B#

B1 REPLACE EXHAUST FAN - ADD ALT#3. REFER TO MECHANICAL FOR QUANTITIES AND LOCATIONS.
B2 REPLACE EXISTING RTU'S WITH NEW UNIT. REFER TO MECHANICAL SHEETS
B3 OFFSET AND EXTEND EXISTING PLUMBING VENTS ABOVE KITCHEN TO CREATE SEPARATION FROM ANY OUTSIDE AIR INTAKE TO ELEMINATE SEWER SMELL BEING DRAWN INTO THE KITCHEN/BUILDING REFER TO MECHANICAL SHEETS.
B4 REPLACE EXISITNG VENT HOOD FANS, REFER TO MECHANICAL SHEETS.
B5 NEW DUCTLESS SPLIT SYSTEM, REFER TO MECHANICAL SHEETS.
B6 PROVIDE GUARD RAIL 3'- 6" ABOVE ROOF SURFACE WHERE MECHANICAL UNITS ARE 10'-0" FROM THE ROOF EDGE EXTEND GUARD RAIL 30" FROM THE SIDE OF EACH MECHANICAL UNIT. SEE DETAIL 2/2.08B..

ROOF PLAN GENERAL NOTES:

A. AT ANY EXISTING ROOF AREA STILL UNDER WARRANTY, ALL WORK SHALL BE COMPLETED BY A CONTRACTOR ACCREDITABLE TO THAT WARRANTY.

B. REFER TO MECHANICAL/ELECTRICAL DRAWINGS FOR INSTALLATION AND CURB DETAILS FOR MEP.

C. EQUIPMENT MOUNTED ON ROOF. NOT ALL ITEMS ARE NECESSARILY SHOWN ON THIS ROOF PLAN.

D. ALL CURBS MUST BE 1'-0" TALL MIN. ABOVE ROOF LEVEL.

E. PROVIDE WALK TREADS AROUND ROOF HATCH AND ROOF MOUNTED EQUIPMENT.

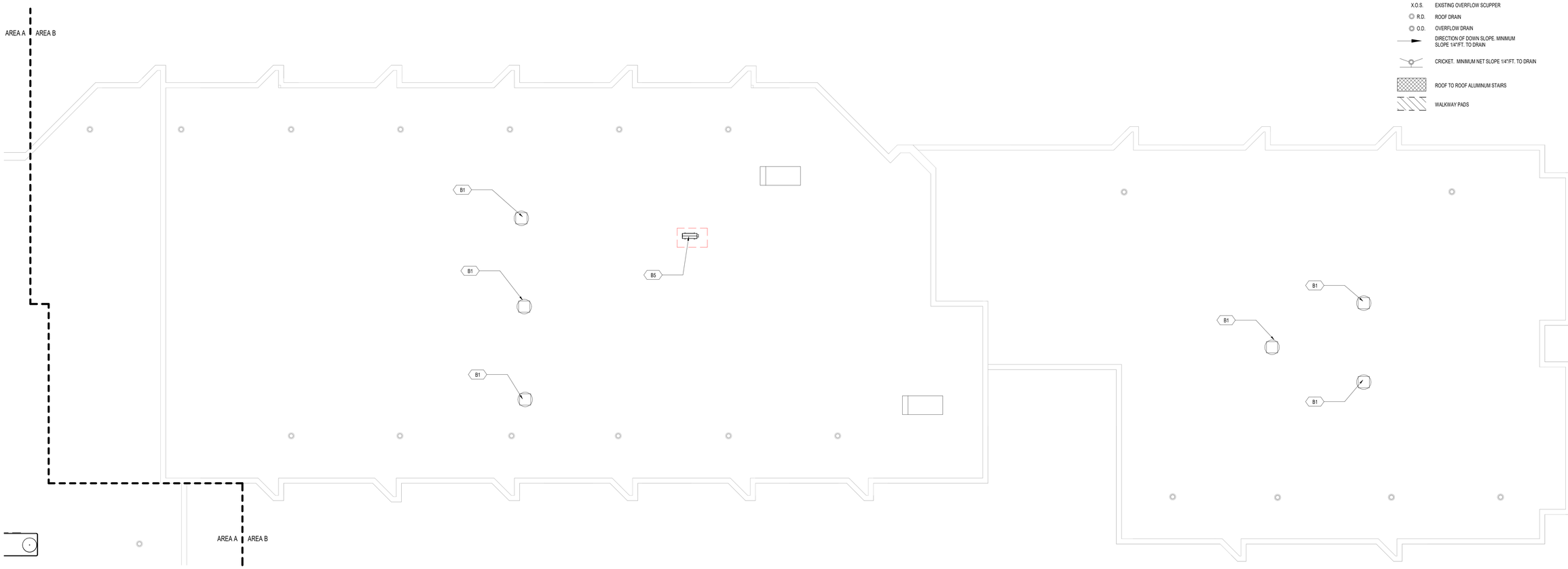
F. PROVIDE 2'-6" X 2'-6" SQUARE LEAD FLASHING OF 2 1/2" LBS/SF. MIN. PRIMED AND SET IN MASTIC AT ALL ROOF DRAINS AND OVERFLOW DRAINS PER NCRA RECOMMENDATIONS.

G. ALL MECHANICAL EQUIPMENT SHOWN ON THE ROOF PLAN IS SHOWN FOR COORDINATION. QUANTITIES AND EXACT LOCATION OF ALL EQUIPMENT SHALL BE PROPERLY COORDINATED PRIOR TO INSTALLATION AS REQUIRED AND FIELD VERIFIED.

H. ALL PIPE, VENTS THROUGH ROOF, CONDUIT, EQUIPMENT SUPPORT, BUILDING MAINTENANCE TIE, BACK ANCHOR PENETRATIONS SHALL BE FLASHED PER DETAILS AND ROOFING MANUFACTURER'S WRITTEN AND DRAWN INSTRUCTIONS.

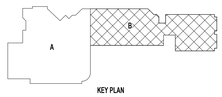
ROOF PLAN SYMBOLS LEGEND

X.O.S. EXISTING OVERFLOW SCUPPER
R.D. ROOF DRAIN
O.D. OVERFLOW DRAIN
DIRECTION OF DOWN SLOPE. MINIMUM SLOPE 1/4"/FT. TO DRAIN
CRICKET. MINIMUM NET SLOPE 1/4"/FT. TO DRAIN
ROOF TO ROOF ALUMINUM STAIRS
WALKWAY PADS



1 ROOF PLAN - AREA B
1/8" = 1'-0"

NORTH



KEY PLAN

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ROOF PLAN - AREA B

2.10B

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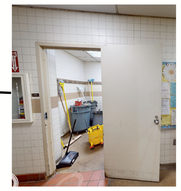


DEMOLITION GENERAL NOTES

A. ALL EXISTING CONDITIONS ARE TO BE FIELD VERIFIED BY CONTRACTOR.

B. FLOORING, WALL FINISHES, AND CEILINGS SURROUNDING RENOVATION AREAS SHALL BE PROTECTED FROM DAMAGE DUE TO CONSTRUCTION TRAFFIC OR ACTUAL WORK.

C. REFER TO FLOOR PLAN SHEETS FOR NEW LOCATIONS OF ITEMS IDENTIFIED TO BE RELOCATED.

D. SECTIONS OF CEILING TILES AND GRID MAY HAVE TO BE REMOVED TEMPORARILY FOR ABOVE CEILING WORK.

E. CONTRACTOR SHALL RELOCATE, MOVE AND STORE WITHIN THE BUILDING ANY FURNITURE OR EQUIPMENT IN AREAS BEING RENOVATED.

F. THROUGHOUT THE ENTIRE PROJECT, THE GENERAL CONTRACTOR WILL PROTECT AND MAINTAIN ANY WALL, FLOOR, OR CEILING THAT CONTAINS PAINTED SCHOOL MURALS OTHER THAN THOSE REMOVED AS PART OF THIS PROJECT. COORDINATE WITH ARCHITECT.

G. AT ALL LOCATIONS WHERE NEW FLOORING IS SCHEDULED OR IT IS NOTED TO REMOVE EXISTING FLOORING, THE CONTRACTOR SHALL MECHANICALLY CLEAN THE FLOOR AS REQUIRED TO PROPERLY INSTALL THE NEW FLOORING. SOLVENTS MAY NOT COMPLETELY CLEAN THE EXISTING CONCRETE TO PROVIDE AN ACCEPTABLE BASE FOR NEW FLOOR FINISHS ADHESIVE. THEREFORE MECHANICAL MEANS MIGHT BE REQUIRED TO CLEAN FLOORS THOROUGHLY.

H. IT IS THE INTENT, IF NOT SPECIFICALLY NOTED ON THE DRAWINGS, THAT THE CONSTRUCTION / REMODEL PERIMETER BE SEALED IN A MANNER TO PREVENT CONSTRUCTION DEBRIS AND DUST FROM MIGRATING FROM CONSTRUCTION AREA TO OTHER AREAS, AS REQUIRED.

I. OWNER RETAINS FIRST RIGHTS TO SALVAGED EVEN IF NOT INDIVIDUALLY ENUMERATED. AT THE OWNER'S REQUEST, CONTRACTOR TO DELIVER REQUESTED SALVAGED MATERIAL TO THE OWNER

2 ENLARGED FLOOR PLAN - DEMOLITION - KITCHEN

1/4" = 1'-0"

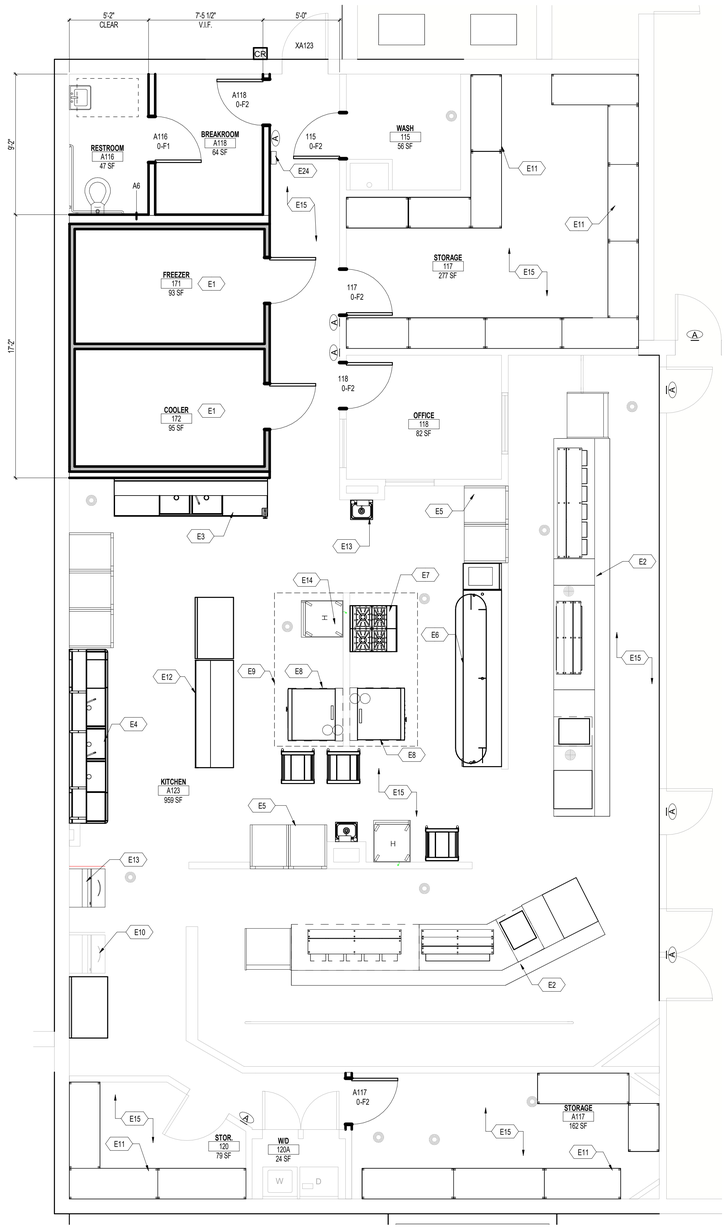
NORTH

DEMOLITION PLAN LEGEND

- WALLS TO BE DEMOLISHED
- AREAS CONTAINING ASBESTOS. REFER TO ASBESTOS ABATEMENT REPORT FOR ADDITIONAL INFORMATION
- EXISTING TO REMAIN
- DOORS, MILLWORK, FIXTURES, ETC. TO BE REMOVED
- ELEMENT TO BE DEMOLISHED

ENLARGED FLOOR PLAN NOTES BY NUMBER - DEMOLITION (DE#)

DE1 REMOVE EXISTING SERVING LINE, STORE AND PROTECT FOR REINSTALLATION
DE2 REMOVE EXISTING KITCHEN EQUIPMENT
DE3 REMOVE EXISTING SHELVES
DE4 DEMOLISH SINK
DE5 DEMOLISH WALK-IN FREEZER AND COOLER
DE6 REMOVE EXISTING FLOOR FINISH/COVERING/TILE
DE7 REMOVE EXISTING DOOR AND FRAME
DE8 REMOVE EXISTING WALL
DE9 REMOVE EXISTING LOCKERS
DE10 RELOCATE EXISTING ALARM KEYPAD
DE11 REMOVE EXISTING EXHAUST HOOD
DE12 REMOVE EXISTING DOOR AND HARDWARE. PATCH AND PREPARE FRAME FOR NEW DOOR AND HARDWARE WITH REVERSED SWING
DE14 REMOVE FIRE ALARM PANEL, REFER TO FP SHEETS.
DE15 REMOVE AND REPLACE EXISTING HAND WASH SINK.
DE16 REMOVE EXISTING COOLER/FREEZER COMPRESSOR. SEE MECHANICAL AND KITCHEN DRAWINGS.
DE17 REMOVE EXISTING WALL COVERING, CORNERGUARDS AND WALL BASE.



1 ENLARGED FLOOR PLAN - KITCHEN

1/4" = 1'-0"

NORTH

GENERAL ENLARGED FLOOR PLAN NOTES

A. ALL NON-LOAD BEARING INTERIOR WALLS ARE TYPE **"A3"** UNLESS NOTED OTHERWISE.

B. WHERE DIMENSIONS ARE LABELLED "VERIFY", THE CONTRACTOR SHALL NOTIFY ARCHITECT IF DIMENSION VARIES FROM DIMENSION SHOWN BEFORE INSTALLING ANY WALLS AND/OR WINDOW/DOOR FRAMES.

C. PATCH AND REPAIR ANY EXISTING WALLS AND CEILING FINISHES TO LIKE NEW CONDITION ONLY IN ROOMS INCLUDED IN THE SCOPE OF WORK. PAINT ALL NEW AND EXISTING CMU WALLS. GYPSUM BOARD WALLS, PLASTER WALLS, AND PLASTER CEILINGS ONLY IN ROOMS INCLUDED IN THE SCOPE OF WORK.

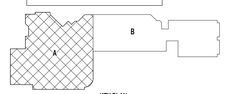
D. AT NEW DOORS, PROVIDE AN 18" MINIMUM DOOR MANEUVERING CLEARANCE TO BE PROVIDED FROM THE PULL STRIKE JAMB SIDE OF DOOR TO THE CLOSEST FACE OF WALL FINISH N THE WALL ASSEMBLY.

F. GENERAL CONTRACTOR TO VERIFY ALL EXISTING FINISHES AND EXISTING CONDITIONS PRIOR TO BID. NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO BID.

NOTE: SEE SHEET 2.09 FOR EQUIPMENT PLAN

ENLARGED FLOOR PLAN LEGEND

CR CARD READER



KEY PLAN

ENLARGED FLOOR PLAN NOTES BY NUMBER (E#)

E1 INSTALL NEW WALK IN FREEZER AND COOLER.
E2 REINSTALL SERVING LINE.
E3 NEW 2-COMPARTMENT SINK, REFER TO PLUMBING SHEETS.
E4 NEW 3-COMPARTMENT SINK, REFER TO PLUMBING SHEETS.
E5 NEW REACH-THROUGH COOLER.
E6 NEW PREP SINK.
E7 NEW TILT SKILLET
E8 NEW OVENS
E9 INSTALL NEW VENT HOOD, SEE RCP.
E10 NEW ICE MAKER
E11 NEW SHELVING
E12 NEW PREP TABLE
E13 INSTALL NEW HANDWASHING SINK
E14 NEW STEAMER
E15 INSTALL NEW EPOXY RESINOUS FLOORING THROUGHOUT KITCHEN AND STORAGE AREAS.
E16 NEW PAINTED HOLLOW METAL FRAME GLAZED WALL WITH BULLET RESISTANT FILM ON HALL SIDE OF GLASS.
E18 DOOR RELEASED FOR ENTRY FROM RECEPTION DESK. FREE EGRESS FROM RECEPTION TO VESTIBULE.
E19 DOOR RELEASED FROM RECEPTION DESK FOR ENTRY INTO SCHOOL, FREE ENTRY INTO RECEPTION FROM SCHOOL HALL.
E20 NEW DOOR WITH CARD READER ENTRY INTO SCHOOL, FREE EGRESS INTO VESTIBULE.
E21 EXISTING DOORBELL/ CAMERA SYSTEM.
E22 APPLY BULLET RESISTANT FILM TO GLASS.
E23 INSTALL NEW FIRE ALARM SYSTEM, REFER TO FP SHEETS.
E24 RELOCATED ALARM PAD
E25 ALIGN FACE OF FRAME WITH EXISTING WALL

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ENLARGED PLANS - KITCHEN

2.11A

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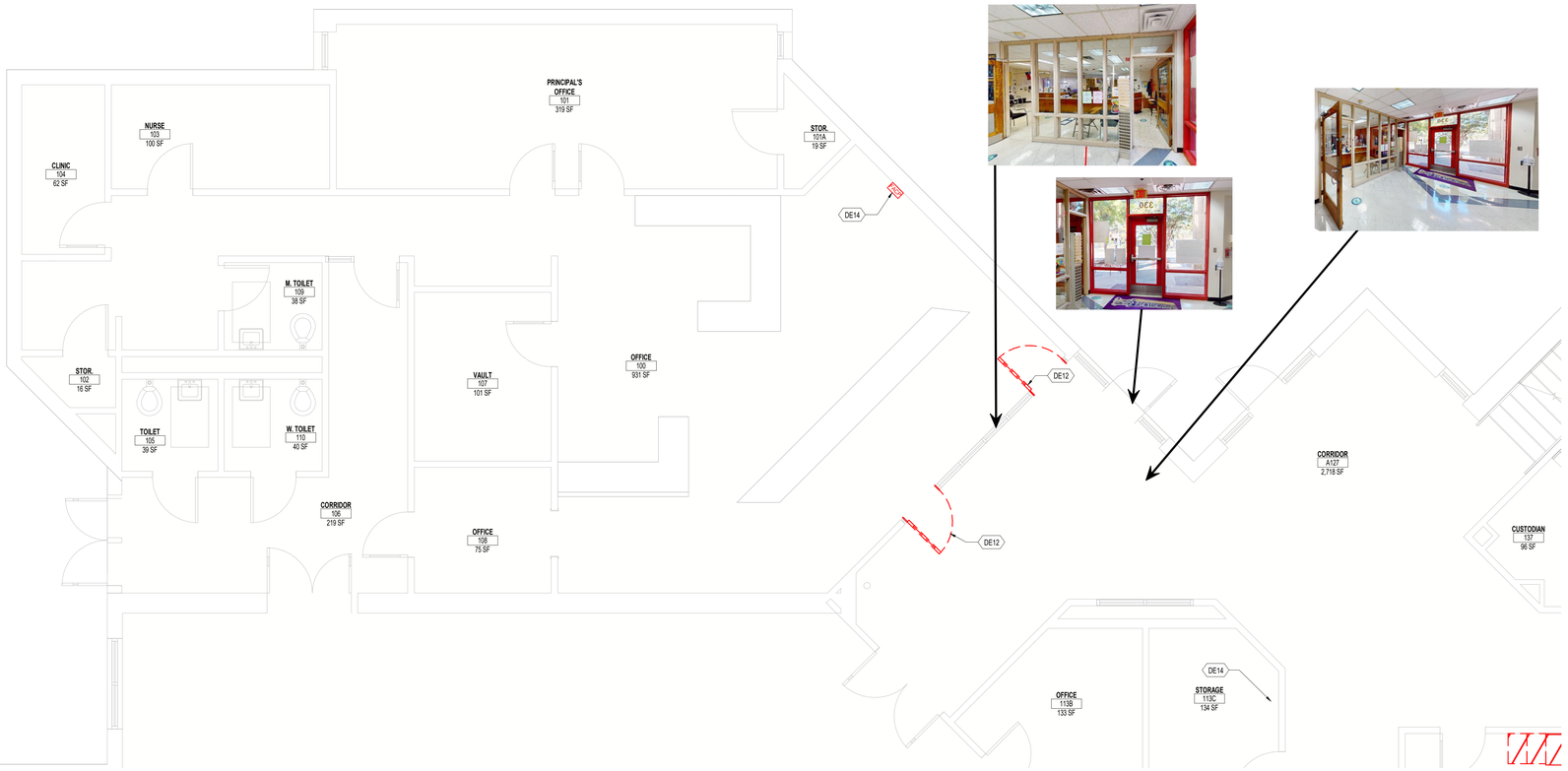
1 ENLARGED FLOOR PLAN - FRONT OFFICE

1/4" = 1'-0"

NORTH



2 ENLARGED FLOOR PLAN - DEMOLITION - FRONT OFFICE

1/4" = 1'-0"

NORTH

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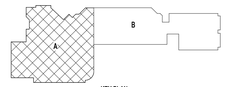

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DEMOLITION PLAN LEGEND

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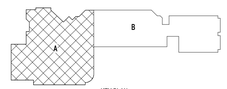

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ENLARGED PLANS - FRONT OFFICE

2.11B

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1 FLOOR AND BASE FINISH PLAN
1/4" = 1'-0"

NORTH

FLOOR FINISH LEGEND

- EPOXY RESINOUS FLOORING
- INSULATED METAL FLOORING
- PORCELAIN TILE
- VINYL COMPOSITION TILE AND RUBBER BASE

FLOORING TRANSITION PROFILES:

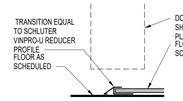
PROVIDE AT ALL LOCATIONS SCHEDULED, AND NOTED ON PLANS

X PROVIDE AT:

EPOXY RESIN	LUXURY VINYL TILE

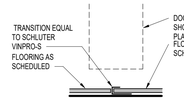
PROVIDE TRANSITION PROFILE AT BETWEEN FLOORING TYPE ON THE LEFT AND ON THE RIGHT

PROVIDE TRANSITION PROFILE AT CENTER OF DOOR.



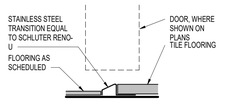
A PROVIDE AT:

EXISTING TERRAZZO, SEALED CONCRETE OR POLISHED AND DENSIFIED CONCRETE	LUXURY VINYL TILE, EPOXY RESIN FLOORING, OR CARPET



B PROVIDE AT:

LUXURY VINYL TILE, SHEET VINYL FLOORING, EPOXY RESIN FLOORING, OR CARPET	LUXURY VINYL TILE, SHEET VINYL FLOORING, EPOXY RESIN FLOORING, OR CARPET



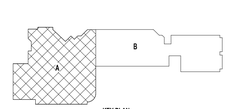
C PROVIDE AT:

LUXURY VINYL TILE, SHEET VINYL; EPOXY RESIN	CERAMIC OR PORCELAIN TILE

SEVEN COATS OF WAX ARE REQUIRED BY DISD TO BE USED AFTER INSTALLATION TO ALL NEW VINYL COMPOSITE TILE. SEE FINISH SCHEDULE ABOVE

GENERAL FLOORING AND WALL BASE FINISH NOTES:

A. REFER TO COLOR SCHEDULE SHEET FOR MORE INFORMATION.
B. ALL FLOORS SCHEDULED TO RECEIVE NEW FLOORING SHALL BE LEVELED WITH SELF LEVELING UNDERLAYMENT.
   a. FOR ALL FLOORS WITHIN PROJECT AREA, PROVIDE UNDERLAYMENT AS NECESSARY TO MAINTAIN SURFACE FLATNESS WITH MAXIMUM VARIATION OF 1/8" IN 10'-0" AND MAXIMUM 1/4" ABOVE OR BELOW FINISH ELEVATION.
   b. PROVIDE UNDERLAYMENT AS NECESSARY WHERE A FLOOR SLAB REQUIRES FLOATING UP TO TRANSITION BETWEEN DISSIMILAR FLOOR FINISH MATERIAL THICKNESSES.
   c. PROVIDE UNDERLAYMENT AT OTHER LOCATIONS AS CALLED FOR ON THE DRAWINGS.
   d. PROVIDE AT ALL LOCATIONS WHERE THE EDGE OF ANY ONE FLOOR SLAB SHOULD ABUT THE EDGE OF ANY OTHER SLAB, BUT THE TWO SLABS ARE NOT LEVEL WITH EACH OTHER. PROVIDE UNDERLAYMENT AS REQUIRED TO FLOAT THE FLOORS LEVEL.
   e. WHERE DEPRESSIONS AND CHANGES IN FLOOR ELEVATION OCCUR, OR ARE DISCOVERED DURING THE COURSE OF WORK, THAT ARE INCONSISTENT WITH THE FINAL DESIGN INTENT SHALL BE INFILLED TO CREATE A LEVEL FLOOR.
A. PROVIDE FLOORING TRANSITION PROFILES TO ALL TRANSITIONS FROM ONE FLOOR MATERIAL TO ANOTHER. REFER TO FLOOR TRANSITION DETAILS ON THIS SHEET.
B. ALL FLOORING CHANGES OCCUR AT THE CENTER OF DOOR LEAF (IN CLOSED POSITION), U.N.O. WHERE THERE IS NO DOOR, CHANGE OCCURS AT THE MID-POINT OF THE JAMB, U.N.O.
C. CERAMIC AND PORCELAIN TILE FLOORING
   a. AT TILED WALLS TILE RUNS TO FLOOR. NO SEPARATE TILE BASE.
   b. AT PAINTED WALLS, PROVIDE RUBBER BASE UNLESS NOTED OTHERWISE.
   c. PROVIDE SCHLUTER DITRA UNCOUPLING & WATERPROOFING MEMBRANE, TYPICAL AT ALL TILED FLOORS, EXCEPT AT SHOWERS
   d. AT SHOWERS PROVIDE SCHLUTER KERDI WATERPROOFING.
   e. PROVIDE SCHLUTER STAINLESS STEEL PROFILES AT ALL EDGES OF CERAMIC AND PORCELAIN TILING.
      - *DILEX-HKS AT ALL INSIDE CORNERS. PROVIDE RUBBER MOVEMENT ZONE IN COLOR CLOSELY MATCHING GROUT COLOR.*
      - *QUADEC AT ALL OUTSIDE CORNERS, ENDS AND CAPS.*
      - *DILEX-EDP AT MOVEMENT JOINTS AS RECOMMENDED BY TCNA. PROVIDE RUBBER MOVEMENT ZONE IN COLOR CLOSELY MATCHING GROUT COLOR.*
D. EPOXY RESINOUS FLOORING
   a. AT EPOXY RESINOUS FLOORING, BASE IS TO BE 6" TALL INTEGRAL COVE BASE UNLESS NOTED OTHERWISE.



KEY PLAN

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DATE	11/11/24
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CHECKED	TM

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

REGISTERED ARCHITECT THOMAS E. MCCARTY 22001 STATE OF TEXAS 11-11-24

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

FLOOR & BASE FINISH PLAN

2.12

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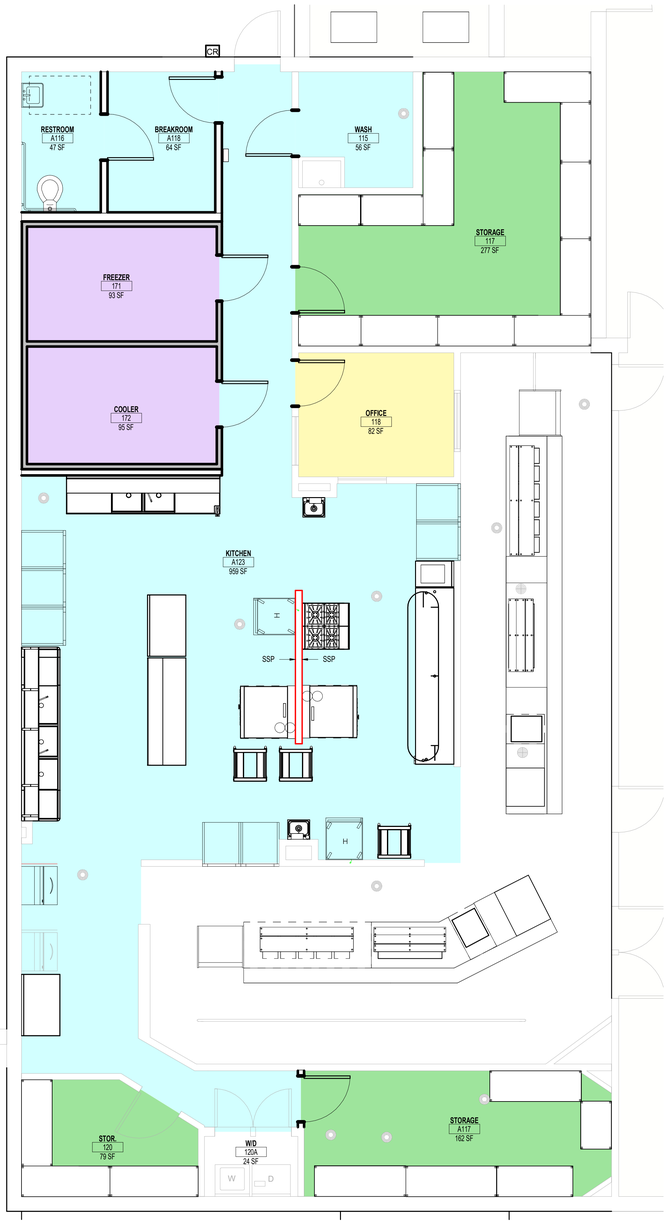
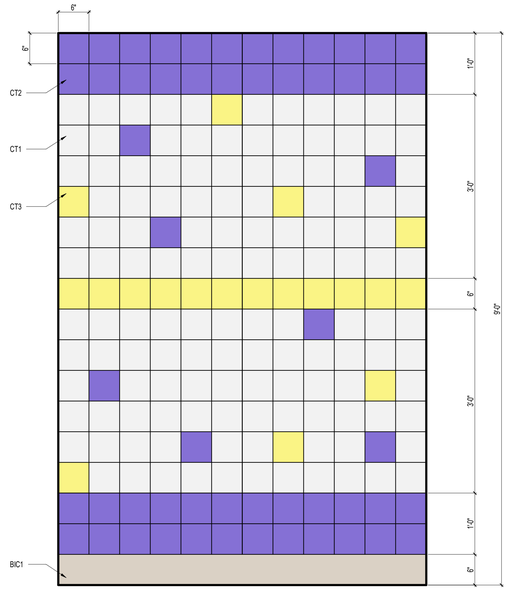


2 WALL FINISH PLAN
1/4" = 1'-0"

NORTH



NOTE: ALL NON-DIMENSIONED COLOR ACCENT TILES TO BE PLACED AT RANDOM IN THE FIELD, SIMILAR TO AS SHOWN ABOVE.

1 TILE PATTERN
1" = 1'-0"

WALL FINISH LEGEND

- CERAMIC TILE
- FRP
- INSULATED METAL PANEL
- PAINT
- SSP

INTERIOR COLOR SCHEDULE

MARK:	TYPE:	MANUFACTURER:	PRODUCT NAME & NUMBER.:	COLOR:	SIZE:	COMMENTS:	CONTACT:
FLOORING							
FER1	EPOXY RESIN - DECORATIVE FLAKE	STONHARD	STONTEC ERF	DAKOTA BRONZE, SMALL FLAKE	--	--	WWW.STONHARD.COM
FPT1	PORCELAIN TILE	DALTILE	KEYSTONE D617	ARCTIC WHITE	2"X2"	FINISH:ABRASIVE	WWW.DALTILE.COM
FSC1	SEALED CONCRETE	--	--	--	--	--	--
	GROUT	LATICRETE	SPECTRALOCK PRO PREMIUM	STEAMSHIP	--	--	--
VCT1	VINYL COMPOSITE TILE	ARMSTRONG	--	COOL WHITE - 51899	12"X12"	--	WWW.ARMSTRONGFLOORING.COM
--	VINYL COMPOSITETILE WAX	DIVERSITY	VECTRA FLOOR FINISH	--	--	7 COATS OF WAX ARE REQUIRED FOR ALL NEW VCT FLOORING	--
WALL BASE							
BIC1	INTEGRAL COVE BASE	--	--	--	6" HIGH	MATCH FLOORING MATERIAL	--
RB1	RUBBER BASE	ROPPE	--	--	4" HIGH	--	
WALL FINISHES							
CT1	CERAMIC TILE	DALTILE	0190	ARCTIC WHITE	6"X 6"		WWW.DALTILE.COM
CT2	CERAMIC TILE	DALTILE	1467	WOOD VIOLET	6"X 6"		WWW.DALTILE.COM
CT3	CERAMIC TILE	DALTILE	DH50	SUNFLOWER	6"X 6"		WWW.DALTILE.COM
P2	PAINT	GLIDDEN	PPG1024-1	OFF WHITE	--	--	WWW.GLIDDEN.COM
EP1	EPOXY PAINT	SHERWIN WILLIAMS	SW 7612	WHITE	--		WWW.SHERWIN-WILLIAMS.COM
FRP	PANEL	INPRO	CONTINUUM WALL PROTECTION - 0383	PURE WHITE	--		WWW.INPROCORP.COM
EC1	EPOXY PAINT	SHERWIN WILLIAMS	SW 7612	WHITE	--	--	WWW.SHERWIN-WILLIAMS.COM
--	GROUT	LATICRETE	SPECTRALOCK PRO PREMIUM	STEAMSHIP	--	--	--
SSP	STAINLESS STEEL PANEL	--	--	STAINLESS STEEL	--	SEE SPEC SECTION 114000	--
WALL PROTECTION							
CG1	CORNER GUARD	KOROGARD	G100	OVERCAST	2" LEG	--	KRISTEN FARE; KFARE@KOROSEAL.COM; 512.663.0184
CEILING							
ACT1	ACOUSTICAL CEILING 1	ARMSTRONG	TILE: OPTIMA SQUARE EDGE #3150	WHITE	24" X 24"		
			GRID: PRELUDE XL	WHITE	15/16"		
ACT KITCHEN	ACOUSTICAL CEILING KITCHEN	ARMSTRONG	TILE: KITCHEN ZONE SQUARE EDGE #673	WHITE	24" X 48"		
			GRID: PRELUDE PLUS XL - ALUMINUM	WHITE	15/16"		
CPT1	PAINTED CEILING GRID	SHERWIN WILLIAMS	SW7612				
MILLWORK							
PL1	COUNTER TOP FACE - PLASTIC LAMINATE	WILSONART	4588	KALAHARI TOPAZ	--	FINISH: SOFTGRAIN	ALLYSON MAZZARINI; MAZZARA@WILSONART.COM; 562.781.4059
PL2		--	MATCH EXISTING STAIN	--	--	--	ALLYSON MAZZARINI; MAZZARA@WILSONART.COM; 562.781.4059
DOORS & FRAMES							
--	WOOD DOORS - STAINED	VT INDUSTRIES	HERITAGE COLLECTION: WHITE MAPLE, QUARTER SAWN	STAIN: AL18 ALPINE	--	--	--
--	H.M. DOORS & FRAMES	CECO	--	PAINTED	2" FRAME PROFILE	--	--
--	ACCESS DOORS AND FRAMES	--	--	PAINTED, MATCH ADJACENT SURFACE.	--	--	--
MISC							
F1	PRIMARY WHITE BOARD	CLARIDGE PRODUCTS	LCS- COMBO BOARD	--	--	--	WWW.CLARIDGEPRODUCTS.COM
F2	TACK BOARD	CLARIDGE PRODUCTS	--	--	--	--	WWW.CLARIDGEPRODUCTS.COM
L2	STAFF LOCKERS	ASI	TRADITIONAL PLUS COLLECTION	--	ONE-TIER 15"W X 15"D X 72"H	SOLID FACE AND SIDES WITH STANDARD LOUVERS.	WWW.ASI-STORAGE.COM
--	FIRE EXTINGUISHER	LARSENS	MP-10	--	--	PROVIDE AT EACH WALL MOUNT AND FIRE EXTINGUISHER CABINET.	--
--	FIRE EXTINGUISHER CABINET - SEMIRECESSED	LARSENS	SEMI-RECESSED 2409-6R	STAINLESS STEEL	--	PROVIDE 'FS' MODEL AT RATED WALLS	--

SEVEN COATS OF WAX ARE REQUIRED BY DISD TO BE USED AFTER INSTALLATION TO ALL NEW VINYL COMPOSITE TILE. SEE FINISH SCHEDULE ABOVE

INTERIOR COLOR SCHEDULE NOTES

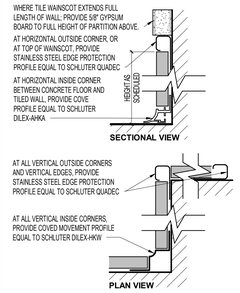
1. REFER TO FLOOR AND BASE FINISH PLANS FOR MORE INFORMATION.
2. REFER TO WALL FINISH PLANS FOR MORE INFORMATION.

GENERAL PAINTING NOTES

1. PAINT ALL INTERIOR PRIMED STRUCTURAL ITEMS EXPOSED TO VIEW.
2. PAINT ALL EXTERIOR STRUCTURAL STEEL ELEMENTS, INCLUDING IN CRAWL SPACES AND VENTED SPACES.
3. PAINT ALL UNFINISHED SURFACES EXPOSED TO VIEW NOT SCHEDULED TO RECEIVE ANY OTHER FINISH UNLESS NOTED OTHERWISE.
4. IN ROOMS WITHOUT FINISHED CEILINGS, PAINT ALL EXPOSED ELEMENTS SUCH AS STRUCTURE, CONDUITS, PIPING, HVAC DUCTWORK, ETC.
5. PAINT ALL SIDES OF FURR-DOWNS AND SOFFITS. PAINT ALL SOFFIT FACES SAME AS SOFFIT BOTTOM.
6. PAINT ALL SIDES OF HOLLOW METAL DOORS & FRAMES.
7. COMPLETE COVERAGE OF ALL EXPOSED SURFACES IS INTENDED UNLESS SPECIFICALLY NOTED NOT TO BE PAINTED. DO NOT PAINT THE FOLLOWING ITEMS, UNLESS NOTED OTHERWISE:
   - A. FACTORY-FINISHED MATERIALS AND EQUIPMENT.
   - B. NON-FERROUS METALS, EXCEPT FOR ITEMS INDICATED TO BE PAINTED.
   - C. MOVING PARTS OF OPERATING UNITS, MECHANICAL AND ELECTRICAL PARTS, SUCH AS VALVE AND DAMPER OPERATORS, LINKAGES, SENSING DEVICES, MOTOR OR FAN SHAFTS.
   - D. CODE REQUIRED LABELS SUCH AS UNDERWRITERS' LABORATORIES AND FACTORY MUTUAL, OR ANY EQUIPMENT IDENTIFICATION, PERFORMANCE RATING, INSTRUCTIONS, NAME OR NOMENCLATURE PLATES.
   - E. DUCT SHAFTS, CONCEALED SPACES, AND CONCEALED PIPES AND DUCTS.
   - F. ACOUSTICAL TILE AND SUSPENSION SYSTEM, UNLESS NOTED OTHERWISE.
   - G. CONCRETE FLOORS.
   - H. STRUCTURAL STEEL WORK CONCEALED BY INTERIOR BUILDING FINISHES.
   - I. PLASTIC LAMINATE OR SOLID POLYMER.
   - J. SYNTHETIC STUCCO.
   - K. PREFINISHED ALUMINUM FRAMES.
   - L. GLASS.
8. ALL GYPSUM BOARD WALLS AND CEILINGS ARE TO BE LEVEL 4 FINISH UNLESS NOTED OTHERWISE. ALL GYPSUM BOARD SURFACES ARE TO RECEIVE LIGHT ORANGE PEEL TEXTURE AS APPROVED BY OWNER.
9. WHERE PAINT IS APPLIED OR TOUCHED UP, PAINT ENTIRE WALL OR SURFACE FROM CORNER TO CORNER. SPOT FINISHING IS NOT ACCEPTED.
10. INTERIOR PAINT SHEEN
    - A. PAINTED WALLS AND CEILINGS ARE TO BE PAINTED IN EGGSHELL SHEEN UNLESS NOTED OTHERWISE.
    - B. PAINTED METALS, INCLUDING STRUCTURAL ELEMENTS TO BE PAINTED IN SEMI-GLOSS SHEEN UNLESS NOTED OTHERWISE.
    - C. PAINTED DOORS, FRAMES, AND TRIM TO BE PAINTED IN SEMI-GLOSS SHEEN UNLESS NOTED OTHERWISE.
11. EXTERIOR PAINT SHEEN
    - A. PAINTED NON-METALS TO BE PAINTED IN EGGSHELL SHEEN UNLESS NOTED OTHERWISE.
    - B. PAINTED METALS TO BE PAINTED IN SEMI-GLOSS UNLESS NOTED OTHERWISE.

WALL FINISHES EDGES AND TRIM

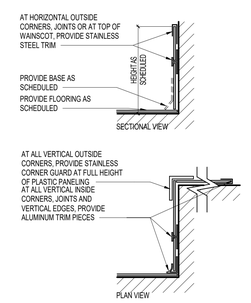
PROVIDE AT ALL LOCATIONS WHERE FINISHES ARE SCHEDULED, AND NOTED ON PLANS



PORCELAIN EDGES AND TRIM

PLASTIC PANELING FRP DETAILS

PROVIDE AT ALL LOCATIONS WHERE FINISHES ARE SCHEDULED, AND NOTED ON PLANS



GENERAL WALL FINISH NOTES:

- A. REFER TO COLORS SCHEDULE FOR ADDITIONAL INFORMATION.
- B. SUPPLY & RETURN GRILLES TO BE FINISHED TO MATCH ADJACENT SURFACES.
- C. ALL FLOORING CHANGES OCCUR AT THE CENTER OF DOOR LEAF (IN CLOSED POSITION), U.N.O. WHERE THERE IS NO DOOR, CHANGE OCCURS AT THE MID-POINT OF THE JAMB, U.N.O.
- D. FINISHES SCHEDULED ARE DEFAULT FOR ROOMS, UNLESS NOTED OTHERWISE.
- E. ALL OUTSIDE CORNERS OF GYPSUM BOARD PARTITION TO RECEIVE CORNER GUARDS INCLUDING NON-90 DEGREE ANGLED CORNERS.

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REVISIONS:

REGISTERED ARCHITECT THOMAS E. MCCARTY 24947 STATE OF TEXAS
11-14-24

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ARLINGTON, TEXAS 76012
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TBAE FIRM # BR 1330

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT
JAMES BOWIE ELEMENTARY SCHOOL
330 NORTH MARSALIS AVE, DALLAS, TX 75203

WALL FINISH PLAN
2.13

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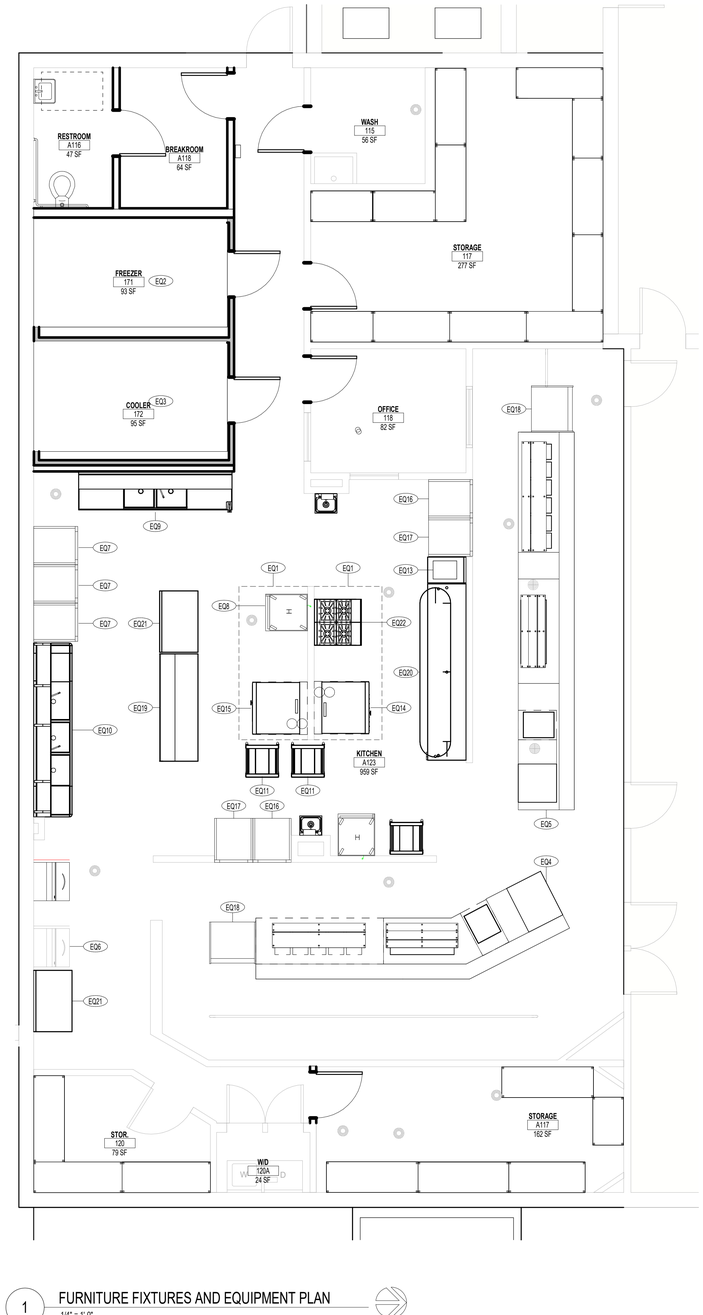


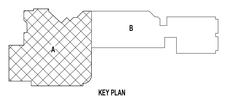
1 FURNITURE FIXTURES AND EQUIPMENT PLAN
1/4" = 1'-0"

NORTH

FURNITURE, FIXTURES, & EQUIPMENT SCHEDULE						
MARK	EQUIPMENT NAME	CONTRACTOR PROVIDED CONTRACTOR INSTALLED	OWNER PROVIDED CONTRACTOR INSTALLED	OWNER PROVIDED,OWNER INSTALLED	COUNT	REMARKS
EQ1	VENT-A-HOOD	Yes	No	No	2	
EQ2	WALK-IN FREEZER	Yes	No	No	1	
EQ3	WALK-IN REFRIGERATOR	Yes	No	No	1	
EQ4	SERVING LINE 1	No	Yes	No	1	
EQ5	SERVING LINE 2	No	Yes	No	1	
EQ6	ICE MAKER	No	No	Yes	1	
EQ7	REFRIGERATOR	No	No	Yes	3	
EQ8	STEAMER	No	No	Yes	1	
EQ9	TABLE, W/ 2 COMPARTMENT SINK AND SHELF	Yes	No	No	1	
EQ10	TABLE, WITH 3 COMPARTMENT SINK & RACK	Yes	No	No	1	
EQ11	CART - LARGE	No	No	Yes	2	
EQ13	MIXER	No	No	Yes	1	
EQ14	CONVECTION OVEN B - DOUBLE STACK	No	No	Yes	1	
EQ15	CONVECTION OVEN T - DOUBLE STACK	No	No	Yes	1	
EQ16	PASS-THRU REGRIGERATOR	No	No	Yes	2	
EQ17	PASS-THRU HEAD & HOLD	No	No	Yes	2	
EQ18	REFRIGERATRED DISPLAY	No	No	Yes	2	
EQ19	TABLE, BAKERS W/ SHELF	No	No	Yes	1	
EQ20	TABLE, COOK W/ RACK & SINK	No	No	Yes	1	
EQ21	TABLE, WORK	No	No	Yes	2	
EQ22	TILTING FRYING PAN	No	No	Yes	1	

GENERAL FURNITURE PLAN NOTES

A. ALL FURNITURE SHOWN ON PLAN ARE GENERIC AND REPRESENTATIONAL FOR COORDINATION PURPOSES ONLY.
B. COORDINATE ELECTRICAL AND DATA OUTLET LOCATIONS WITH FURNITURE, WHERE APPLICABLE.



KEY PLAN

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

EQUIPMENT PLAN

2.14

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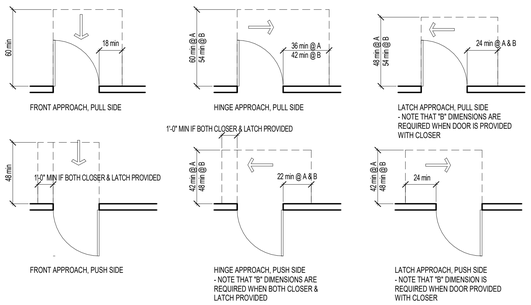
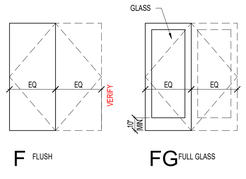


MINIMUM MANEUVERING CLEARANCES AT MANUAL SWINGING DOORS & GATES

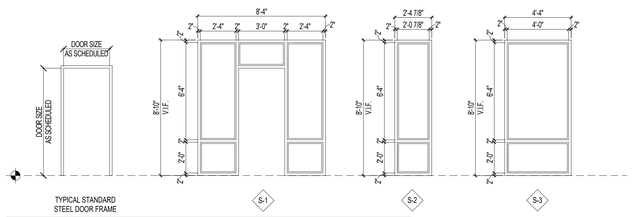


F FLUSH

FG FULL GLASS

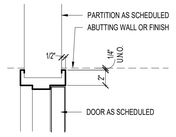
DOOR TYPES ELEVATIONS

REFER TO FLOOR PLANS TO DETERMINE IF DOORS ARE SINGLE DOORS OR DOUBLE DOORS TO OBTAIN SIZES OF DOORS, REFER TO THE FLOOR PLAN TO OBTAIN DOOR TYPE AND THEN REFER TO DOOR TYPES SCHEDULE

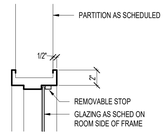


HOLLOW METAL DOOR AND WINDOW FRAME TYPES

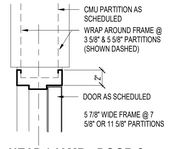
REFER TO GLASS SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION.
THESE FRAME TYPES ARE FLAGGED ON THE FLOOR PLANS UNLESS IT IS A TYPICAL STANDARD FRAME BY ITSEL, WITH NO SIDELITE.



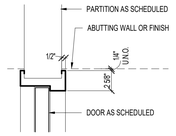
HEAD / JAMB - CONVENTIONAL DOOR & FRAME



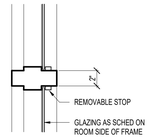
HEAD / JAMB - CONVENTIONAL DOOR & FRAME



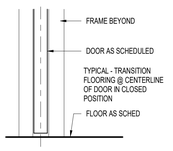
HEAD / JAMB - DOOR & FRAME @ CMU PARTITIONS



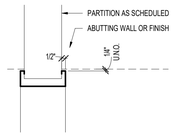
HEAD / (JAMB SIM) DOUBLE EGRESS DOOR & FRAME



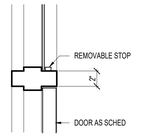
HEAD / JAMB - GLASS / GLASS @ MULLION



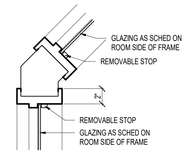
SILL - TYPICAL



HEAD / JAMB - CASED OPENING FRAME



HEAD / JAMB - DOOR / GLASS @ MULLION



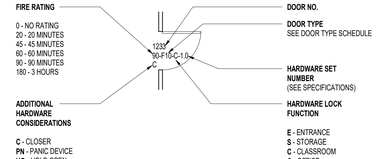
TYPICAL CORNER 135 DEGREE CONDITION @ ABUTTING FRAMES

TYPICAL INTERIOR STEEL HEAD / JAMB / SILL DETAILS

DOOR GENERAL NOTES

A. TYPICAL DOOR DETAILS ARE SHOWN ON THIS SHEET. SEE FLOOR PLANS FOR SPECIALIZED PLAN DETAIL REFERENCES FOR ATYPICAL CONDITIONS.
B. DOOR FRAME THROAT DIMENSIONS: REFER TO FLOOR PLANS FOR THE APPLICABLE PARTITION TYPE.
C. ALL WOOD DOORS TO BE TRANSPARENT FINISH UNLESS NOTED OTHERWISE.

EXAMPLE OF DOOR INFORMATION ON FLOOR PLANS



GLASS SCHEDULE

1. ALL EXTERIOR GLAZING SHALL BE INSULATED GLAZING UNITS INCLUDING DOORS, UNLESS NOTED OTHERWISE. SEE COLOR SCHEDULE FOR TYPE AND PERFORMANCE CHARACTERISTICS.
2. ALL INTERIOR GLASS SHALL BE 1/4" THICK POLISHED PLATE UNLESS NOTED OTHERWISE.
3. PROVIDE TEMPERED GLASS AT ALL LOCATIONS REQUIRED BY THE BUILDING CODE REFERENCED FOR THE PROJECT AND ALL OTHER APPLICABLE CODES; HOWEVER, IN SOME CASES, GLASS MAY BE LABELED AS "T" FOR TEMPERED EVEN THOUGH IT MAY NOT BE REQUIRED BY THE APPLICABLE CODES.
4. PROVIDE VISION PANEL FRAMING AND GLAZING IN DOORS AS REQUIRED FOR SCHEDULED FIRE RATING.
5. REFER TO THE FLOOR PLANS, EXTERIOR ELEVATIONS, AND WALL SECTIONS FOR LOCATONS AND QUANTITY OF EXTERIOR WINDOWS.
6. AT ROOMS SCHEDULED TO BE SOUND ATTENUATED, USE 1" INSULATED GLAZING UNITS AT ALL WINDOWS AND DOOR VISION GLAZING, EVEN AT INTERIOR WINDOWS.

NEW DOOR TYPES SCHEDULE

Mark	DOORS WIDTH	DOORS HEIGHT	DOORS MATERIAL	DOORS TYPE	FRAME ELEVATION	FRAME MATERIAL	FRAME GLASS	REMARKS
100A	3' - 0"	7' - 0"	WOOD	FG		STEEL		HGWCR207
100B	3' - 0"	7' - 0"	WOOD	FG		STEEL		HGWER201C
115	3' - 0"	7' - 0"	STEEL	F		STEEL		HGW201, KICK PLATE
117	3' - 0"	7' - 0"	STEEL	F		STEEL		HGW201, KICK PLATE
118	3' - 0"	7' - 0"	STEEL	F		STEEL		HGW103, KICK PLATE
A116	3' - 0"	7' - 0"	WOOD	F		STEEL		HGW341C, KICK PLATE
A117	3' - 0"	7' - 0"	STEEL	F		STEEL		HGW201, KICK PLATE
A118	3' - 0"	7' - 0"	STEEL	F		STEEL		HGW103, KICK PLATE
A127C	3' - 0"	7' - 0"	STEEL	FG		STEEL		HGWCT11V, KICK PLATE

EXISTING DOOR TYPES SCHEDULE

Mark	DOORS MATERIAL	DOORS GLASS	FRAME ELEVATION	FRAME MATERIAL	FRAME GLASS	REMARKS
X35	STEEL			STEEL		EXISTING DOOR NEW CARD READER ONLY HGWEX-PR
X40	STEEL			STEEL		EXISTING DOOR NEW CARD READER ONLY HGWEX-PR
X47	STEEL			STEEL		EXISTING DOOR NEW CARD READER ONLY HGWEX-SGL
X49	STEEL			STEEL		EXISTING DOOR NEW CARD READER ONLY HGWEX-SGL
X94	STEEL			STEEL		EXISTING DOOR NEW CARD READER ONLY HGWEX-SGL
X165	STEEL			STEEL		EXISTING DOOR NEW CARD READER ONLY HGWEX-PR
X239	STEEL			STEEL		EXISTING DOOR NEW CARD READER ONLY HGWEX-PR

DOOR TYPES SCHEDULE NOTES AND LEGEND

1) WITH THIS DOOR SCHEDULING SYSTEM, EACH AND EVERY DOOR IS NOT SCHEDULED INDIVIDUALLY.

2) ALL DOORS WITH THE SAME CHARACTERISTICS ARE ASSIGNED THE SAME DOOR TYPE. THAT IS THEY ARE THE SAME SIZE, SAME MATERIAL, AND FRAME MATERIAL.

3) ALL DOORS TO BE INSTALLED IN A TYPICAL STANDARD DOOR FRAME OF THE MATERIAL SCHEDULED IN THE DOOR TYPES SCHEDULE. IF DOOR HAS A SIDELITE, A TRANSFORM GLASS, OR IN A WALL OF GLASS, THE FRAME TYPE WILL BE SHOWN ON THE FLOOR PLAN. THE FRAME MATERIALS MAY BE ONE OF THE FOLLOWING AS SHOWN ON THE FLOOR PLAN(S).

A-1 ALUMINUM AND GLASS STOREFRONT DOOR FRAME TYPE

S-1 HOLLOW METAL DOOR/WINDOW FRAME TYPE

F-1 FIBERGLASS DOOR/WINDOW FRAME TYPE

W-1 WOOD DOOR/WINDOW FRAME TYPE

OTHER

DOOR FRAME MATERIAL / TYPE (ABBREVIATIONS IN PARENTHESES)
HOLLOW METAL
WOOD
ALUMINUM
FIBERGLASS - (FBG)

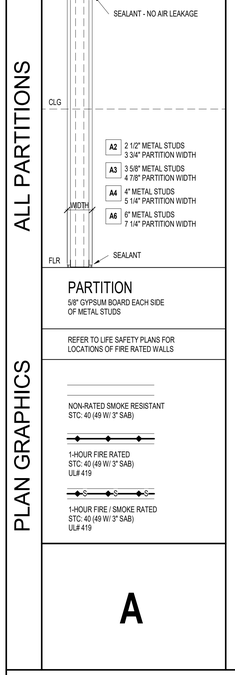
DOOR MATERIAL / TYPE (ABBREVIATIONS IN PARENTHESES)
HOLLOW METAL
WOOD
ALUMINUM & GLASS - (AL/GL)
FIBERGLASS - (FBG)
ALL GLASS - (GLASS)

DOOR GLAZING SCHEDULE
INTERIOR DOORS: 1/4" CLEAR TEMPERED GLASS
EXCEPTIONS:
- 1/4" LAMINATED CLEAR GLASS @ RATED DOORS
- 1/4" FIRE RATED CERAMIC GLASS WHERE NOTED

EXTERIOR DOORS: 1" INSULATED GLASS, TEMPERED WHERE REQUIRED.

REFER TO FRAME TYPE ELEVATIONS AND INTERIOR AND EXTERIOR WINDOW TYPES FOR GLAZING TYPES.

PARTITION TYPES



PARTITION NOTES

A. ALL NON-LOAD BEARING INTERIOR PARTITIONS NOT DESIGNATED WITH A GRAPHIC TAG ARE SCHEDULED BY DEFAULT. SEE FLOOR PLAN GENERAL NOTES. IF UNCLEAR, CONTACT ARCHITECT.
B. RATED PARTITIONS
   a. *REFER TO LIFE SAFETY PLANS FOR LOCATIONS OF SMOKE AND / OR FIRE RATED PARTITIONS. REFER TO WALL PRIORITY LEGEND FOR CONDITIONS WHERE FIRE RATED PARTITIONS INTERSECT OTHER PARTITIONS.*
      1. LOWER PRIORITY WALLS SHALL ABUT AND BE SEALED TO HIGHER PRIORITY WALLS, BUT SHALL NOT INTERRUPT CONTINUITY OF THE HIGHER PRIORITY WALL.
   b. *ALL FIRE RESISTANT AND FIRE RESISTANT SMOKE BARRIER RATINGS ARE TO CONTINUE THROUGH ALL OPENINGS AND PENETRATIONS IN RATED PARTITIONS.*
   c. *ALL SMOKE AND FIRE RESISTANT BARRIER RATINGS SHALL EXTEND AND SEAL TO INSIDE FACE OF EXTERIOR SHEATHING, SLAB BELOW AND UNDERSIDE OF DECK ABOVE, INCLUDING EXTENSION THROUGH SOFFITS.*
   d. *FIRE RATED PARTITIONS TO HAVE FIRESTOPPING SEALANT SYSTEMS INSTALLED AT HEAD, SILL, AND JUNCTURES WITH DISSIMILAR MATERIALS, ETC., AND AROUND ALL PENETRATIONS AND OPENINGS.*
   e. *IDENTIFY ALL RATED PARTITIONS WITH LABELS 6 INCHES ABOVE THE CEILING OR 10 FEET MAX. ABOVE THE FLOOR IF NO CEILING. USE 1 1/2" HIGH LETTERS, CLEARLY LEGIBLE & READABLE AGAINST A CONTRASTING BACKGROUND.*
   f. *TERMINATE RATED PARTITIONS AT THE UNDERSIDE OF STRUCTURAL DECK IN ORDER TO MAINTAIN RATING. PROVIDE APPROPRIATE DRYWALL FRAMING TO OFFSET AROUND STRUCTURE OR OTHER OBSTRUCTIONS SUCH AS PIPING, STRUCTURAL MEMBERS OR DUCT WORK.*
      1. PARTITIONS MAY TERMINATE AT STRUCTURAL MEMBERS WITH A FIRE RATING GREATER THAN OR EQUAL TO THE PARTITION, PROVIDED THAT RATING IS CONTINUOUS TO THE STRUCTURAL DECK ABOVE.
   g. *WHERE UL CONSTRUCTION REFERENCE NUMBERS ARE PROVIDED AT RATED WALLS AND PENETRATIONS, CONTRACTOR SHALL BE RESPONSIBLE TO BUILD WALL TO EXACT REQUIREMENTS AS DESCRIBED BY UNDERWRITER'S LABORATORY.*
C. NON-RATED PARTITIONS
   a. *NON-RATED PARTITIONS TO HAVE ACOUSTICAL SEALANT INSTALLED AT HEAD, SILL, AND JUNCTURES WITH DISSIMILAR MATERIALS, ETC., AND AROUND ALL PENETRATIONS AND OPENINGS.*
   b. *NON-RATED PARTITIONS THAT EXTEND TO STRUCTURE SHALL TERMINATE AT UNDERSIDE OF STRUCTURAL DECK TO MAINTAIN A CONTINUOUS PLANE OF GYPSUM BOARD AS A SMOKE, NOISE OR SIMILAR TYPE OF BARRIER.*
D. INTERIOR WALL STUDS: C-SHAPED WITH SERRATED FACES. GAUGE TO BE PER SSMA, LIMITING WALL HEIGHT TABLE - NON COMPOSITE, CONFORMING TO:
   a. 5 PSF, L/240 FOR APPROPRIATE LENGTHS. SIZE AS INDICATED ON THE DRAWINGS.
   b. INTERIOR METAL STUD/GYPSUM BOARD ASSEMBLIES AT LOBBIES, SERVICE CORRIDORS, EXIT CORRIDORS, AND VERTICAL SHAFTS: WITHSTAND LATERAL LOADING (AIR PRESSURE) OF 7.5 PSF WITH DEFLECTION LIMIT NOT MORE THAN L/360 OF PARTITION HEIGHT.
   c. INTERIOR METAL STUD/GYPSUM BOARD ASSEMBLIES AT LOCATIONS WITH CERAMIC TILE OR OTHER HARD SURFACES FINISHES: WITHSTAND TYPICAL LATERAL LOADING (AIR PRESSURE) WITH DEFLECTION LIMIT NOT MORE THAN L/360 OF PARTITION HEIGHT, MINIMUM 22 GAGE STUDS AT 16 INCHES ON CENTER.
E. INTERIOR WALL TRACK:
   a. *20-GAUGE (MIN. UNCOATED THICKNESS, 0.0312")*
   b. *BOTTOM TRACK TO BE MINIMUM 1-1/4" UNLESS NOTED OTHERWISE.*
   c. *BOTTOM TRACK TO BE 4" LEG AT CORRIDORS.*
   d. *SLOTTED TOP TRACK: SLIPTRACK SYSTEM, SLP-TRK, 16 GAUGE, 2 1/2" DOWN-STANDING LEGS WITH 1/4" WIDE BY 1 1/2" HIGH SLOTS SPACED AT 1" ON CENTERS*
F. PROVIDE SOUND BATTS IN ALL INTERIOR FRAMED PARTITIONS WHERE INDICATED. REFER TO REFLECTED CEILING PLAN.
G. SEAL ALL PENETRATIONS FOR PIPES, CONDUIT, DUCTWORK, ETC. WITH NON-HARDENING, NON-SHRINK ACOUSTICAL SEALANT, UNLESS NOTED OTHERWISE. EXCEPTION: USE FIRESTOP SYSTEMS WITH FLEXIBLE FIRE RESISTIVE JOINT SEALANTS AT FIRE RATED PARTITIONS.
H. FURR OUT ALL COLUMNS TO MINIMUM ALLOWABLE DIMENSION. NOTIFY ARCHITECT OF ANY CONFLICT BETWEEN EXISTING CONDITION AND DESIGN INTENT.
I. SEALANTS INDICATED MAY BE FOR FIRE RATING, SMOKE RATING, AIR PRESSURE CONTAINMENT, ACOUSTIC RATING, VERMIN CONTROL, MOVEMENT CONTROL AND OR BIOLOGICAL CONTAINMENT. SEALANT JOINTS ARE TO BE SIZED FOR EXPECTED MOVEMENT OF JOINT WITH EXPANSION/CONTRACTION CAPACITY OF SEALANT MATERIAL TO MAINTAIN THE INTEGRITY OF THE SEAL FOR THESE APPLICABLE PARAMETERS.
J. BRACE ALL PARTITIONS NOT EXTENDING TO STRUCTURE ABOVE.
K. PROVIDE BLOCKING INSIDE PARTITIONS FOR SECURING ALL WALL HUNG CABINETRY, SHELVING, TRIM, MILLWORK, AND OTHER ELEMENTS ATTACHED TO PARTITIONS AS REQUIRED TO ENSURE FLUSH, STRAIGHT, AND WELL-SECURED CONDITIONS. PROVIDE ADDITIONAL STRUCTURAL SUPPORT (ANGLES, CHANNELS, ETC.) WITHIN WALLS WHERE WEIGHT OF ATTACHED ITEMS IS TOO GREAT TO BE SUPPORTED BY STUDS.
L. REFER TO OTHER SCHEDULES AND DETAILS FOR INTERIOR FINISHES. PARTITION TYPES SHOWN ON THIS SHEET REFER TO BASE WALL ONLY.
M. INTERIOR PARTITIONS ARE DIMENSIONED FROM FACE TO FACE OF BASE PARTITION, UNLESS NOTED OTHERWISE.
N. FOR PARTITIONS THAT EXTEND TO STRUCTURE, THE "LINE OF STRUCTURE" AS SHOWN AT THE HEAD CONDITION OF EACH PARTITION IS DIAGRAMMATIC ONLY AND DOES NOT INDICATE EXACT CONSTRUCTION CONDITIONS.
O. ALL METAL STUDS TO BE 16" O.C., EXCEPT AT RESTROOMS METAL STUDS 12" O.C. AND SHAFT WALL METAL STUDS AT 24" O.C..

CONTROL JOINTS IN GYPSUM BOARD

1. INSTALL CONTROL JOINTS NOT TO EXCEED 30'-0" O.C. CONSISTENT WITH LINES OF BUILDING SPACES AS DIRECTED BY THE ARCHITECT.
2. IF THE WALLS ARE ON A SLAB ON GRADE AND THEREFORE SUBJECT TO SOME MOVEMENT, INSTALL VERTICAL CONTROL JOINTS IN WALL FROM TOP OF DOOR FRAMES AND WINDOWS TO ABOVE CEILING AND FROM BOTTOM CORNERS OF WINDOWS TO THE FLOOR.

GYPSUM BOARD SCHEDULE

5/8" TYPE "X" GYPSUM BOARD	ALL PARTITIONS, UNO, OR NOTED OTHERWISE ON DRAWINGS. USE ABUSE RESISTANT WHERE INDICATED ON PLANS.
5/8" MOLD, WATER, ABUSE & FIRE RESISTANT (MWFA) GYPSUM BOARD	PRIORITY 1: PROVIDE BEHIND ALL WET WALL PARTITIONS W/ PLUMBING FIXTURES (WATER CLOSETS, URINALS, LAVATORIES, EWC'S, ETC) TO A HEIGHT OF 4' AFF AND 8' WIDE (CENTER ON FIXTURE)
5/8" FIBER CEMENT OR GP DENS SHIELD	PRIORITY 1: PARTITIONS EXPOSED DIRECTLY TO RUNNING WATER. EXAMPLES: SHOWERS, CART WASH, HYDROTHERAPY, GROOMING TUBS PRIORITY 2: USE AT ALL TOILET ROOMS, CLEANING EQUIPMENT ROOMS, HOUSEKEEPING ROOMS, JANITOR CLOSETS, OPERATING ROOM'S, CATH LABS, ENDOSCOPY, TRAUMA, DECONTAM, AND SOILED UTILITY ROOMS. NOTE THAT PRIORITY 1 BOARDS TAKE PRECEDENT.

COMM. NO. 1288
DATE 11/11/24
DRAWN DE
CHECKED TM

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY
ONE INCH
REVISIONS:

LBL ARCHITECTS
1106 W. RANCH MILL ROAD
SUITE 300
ARLINGTON, TEXAS 76012
PHONE (817) 265-1582
FAX (817) 265-1582
WWW.LBLARCHITECTS.COM
TBAE FIRM # BR 1350
Listen. Build. Lead.

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT
JAMES BOWIE ELEMENTARY SCHOOL
330 NORTH MARSALIS AVE, DALLAS, TX 75203

DOOR & WINDOW INFORMATION
3.00

Autodesk Docs://DISD James Bowie ES\11288 DISD James Bowie ES_R24.rvt
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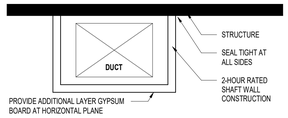
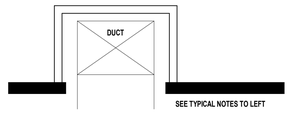
RATED HORIZONTAL ENCLOSURES

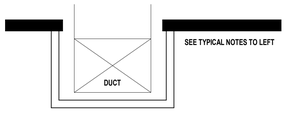
WHI DESIGN NO. 694-0300.1



2HR FIRE RATED HORIZONTAL ENCLOSURE AT DUCT



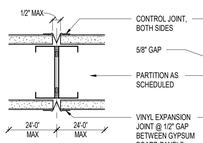
2HR FIRE RATED HORIZONTAL ENCLOSURE AT TOP OF SHAFT



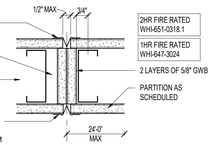
2HR FIRE RATED HORIZONTAL ENCLOSURE AT BOTTOM OF SHAFT

TYPICAL CONTROL JOINTS

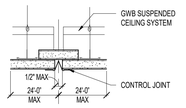
SINGLE LAYER GYPSUM BOARD SHOWN
-DOUBLE LAYER GYPSUM BOARD APPLICATION SIMILAR



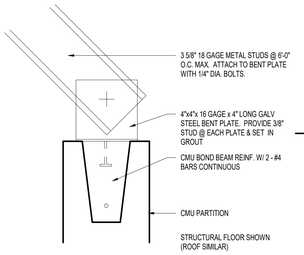
CONTROL JOINT IN NON-RATED PARTITIONS



CONTROL JOINT IN FIRE RATED PARTITIONS

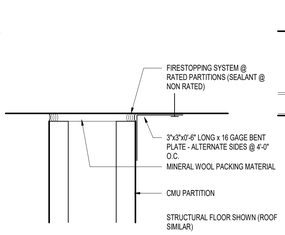


CONTROL JOINT IN GYPSUM BOARD CEILING



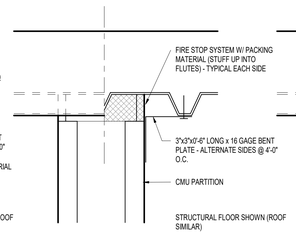
CMU - TOP OF WALL

FOR PARTITIONS NOT EXTENDING TO DECK ABOVE



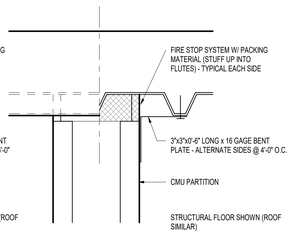
CMU - RATED & NON RATED

RATED & NON RATED PARTITIONS THAT ABUT THE BOTTOM OF CONCRETE DECK OR BEAM



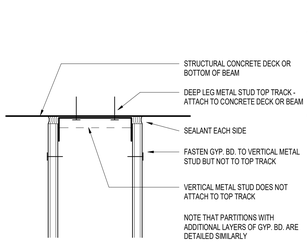
CMU - NON RATED

(BOTH PARALLEL / PERPENDICULAR TO FLUTES SHOWN)



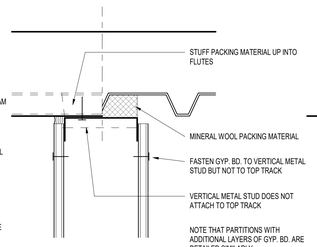
CMU - RATED

(BOTH PARALLEL / PERPENDICULAR TO FLUTES SHOWN)



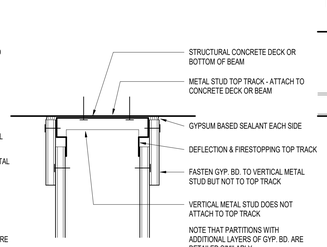
DEFLECTION TRACK

NON RATED PARTITION @ BOTTOM OF CONCRETE DECK OR BEAM



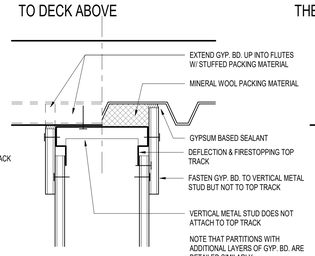
DEFLECTION TRACK

NON RATED PARTITION @ METAL DECK (BOTH PARALLEL / PERPENDICULAR TO FLUTES SHOWN)



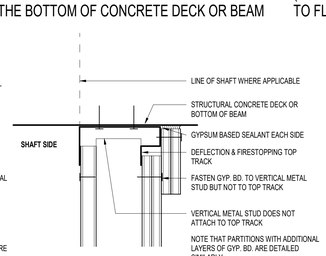
DEFLECTION TRACK

RATED PARTITION @ BOTTOM OF CONCRETE DECK OR BEAM



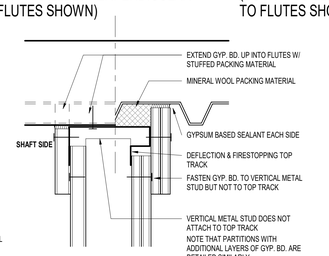
DEFLECTION TRACK

RATED PARTITION @ METAL DECK (BOTH PARALLEL / PERPENDICULAR TO FLUTES SHOWN)



DEFLECTION TRACK

SHAFTWALL PARTITION @ BOTTOM OF CONCRETE DECK OR BEAM



DEFLECTION TRACK

RATED SHAFTWALL PARTITION @ BOTTOM OF METAL DECK OR BEAM

TERMINATE ALL METAL STUD PARTITIONS EXTENDING TO THE STRUCTURAL DECK ABOVE W/ DEFLECTION TRACKS.

RATED DETAILS DRAWN THIS SHEET ARE BASED ONTHE FIRETRAK SYSTEM - www.firetrak.com

ACCEPTABLE SUBSTITUTE: SLIPTRACK SYSTEM BY BRADY INNOVATIONS (CLARK DIETRICH - www.sliptrack.com

PARTITION DEFLECTION

COMM. NO.	1288
DATE	11/11/24
DRAWN	DE
CHECKED	TM

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

LBL ARCHITECTS
Listen. Build. Lead.
1150 W. PANDOL MILL ROAD
SUITE 300
ARLINGTON, TEXAS 76012
PHONE (817) 255-1515
FAX (817) 255-1582
WWW.LBLARCHITECTS.COM
TBAE FIRM # BR 1300

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

PARTITION DETAILS

4.00

Autodesk Docs://DISD James Bowie ES\1288 DISD James Bowie ES_R24.rvt
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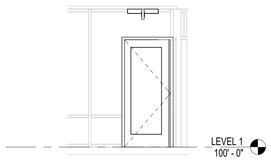
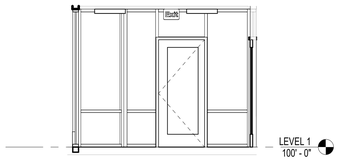
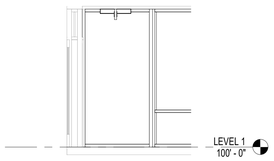


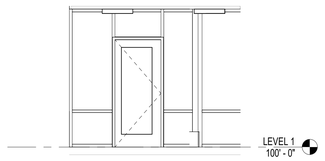
1 Elevation 1 - d
1/4" = 1'-0"



2 Elevation 1 - c
1/4" = 1'-0"



3 Elevation 1 - b
1/4" = 1'-0"



4 SOUTH WEST OUTSIDE THE VESTIBULE
1/4" = 1'-0"

COMM. NO.	1288
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BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE., DALLAS, TX 75203

INTERIOR ELEVATIONS

4.01

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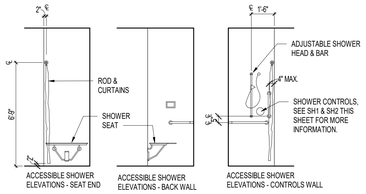
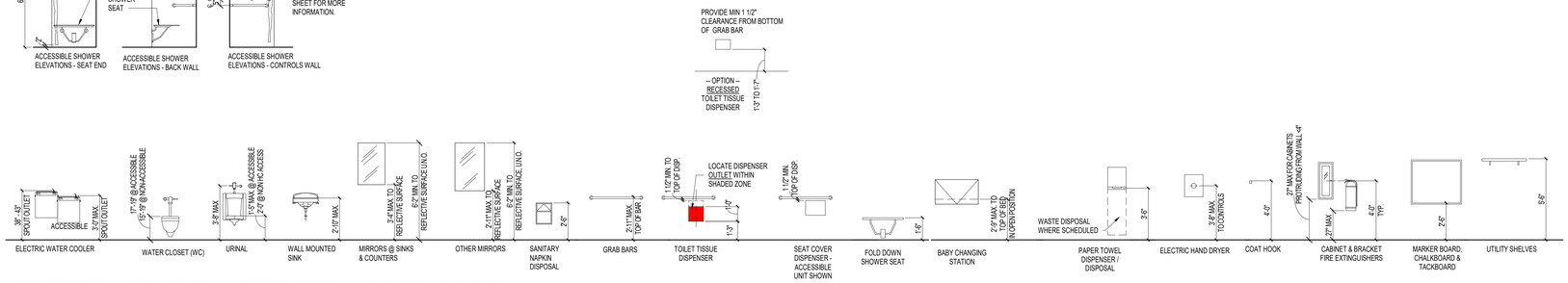
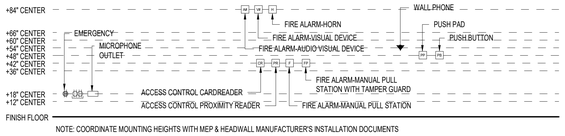




MOUNTING HEIGHTS - FIXTURES & ACCESSORIES

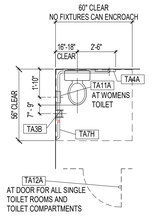
NOTE THAT PLUMBING FIXTURES SHOWN ABOVE ARE "GENERIC" FOR MOUNTING HEIGHTS.
REFER TO PLUMBING SCHEDULE FOR ACTUAL FIXTURE TYPES AND SIZES.



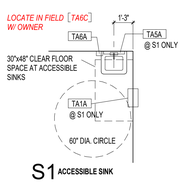
NOTE: COORDINATE MOUNTING HEIGHTS WITH MEP & HEADWALL MANUFACTURER'S INSTALLATION DOCUMENTS

ELECTRICAL FIXTURES AND EQUIPMENT- MOUNTING HEIGHTS

NOTE THAT ELECTRICAL FIXTURES SHOWN ABOVE ARE "GENERIC" FOR MOUNTING HEIGHTS. REFER TO ELECTRICAL SCHEDULE FOR ACTUAL FIXTURE TYPES AND SIZES.
WHERE POSSIBLE ALIGN DEVICES ON CENTER.



WC1 ACCESSIBLE WATER CLOSET
SCALE 1/4"=1'-0"



S1 ACCESSIBLE SINK
S2 NON ACCESSIBLE SINK
SCALE 1/4"=1'-0"

ENLARGED PLANS - TOILET / RESTROOM FIXTURES W/ ACCESSORIES & CLEARANCES

NOTE THAT PLUMBING FIXTURES SHOWN ABOVE ARE "GENERIC" FOR ILLUSTRATING LOCATIONS & CLEARANCES. REFER TO PLUMBING SCHEDULE FOR ACTUAL FIXTURE TYPES AND SIZES.

TOILET ACCESSORIES SCHEDULE

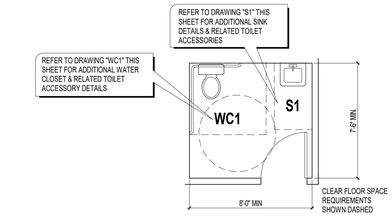
		MANUFACTURER	MODEL	ADDITIONAL NOTES	OWNER FURNISHED & INSTALLED	CONTRACTOR FURNISHED & INSTALLED	OWNER FURNISHED & CONTRACTOR INSTALLED
PAPER TOWEL DISPENSER & WASTE RECEPTACLES							
TA1A	RECESSED WASTE UNIT	BOBRICK	B-3644	12 GAL WASTE CAPACITY			●
	PAPER TOWEL DISPENSER						●
TOILET PAPER TISSUE DISPENSER							
TA3B	SURFACE MOUNTED - DUAL ROLL						●
TOILET SEAT COVER DISPENSER							
TA4A	TOILET SEAT COVER DISPENSER, WHITE	BOBRICK	B-4221			●	
MIRRORS							
TA5A	24 x 36 CHANNEL FRAMED	GAMCO	"A" SERIES	TEMPERED		●	
SOAP DISPENSERS							
TA6A	SURFACE MOUNTED SOAP DISPENSER	BOBRICK	B-4112			●	
GRAB BARS	NOTE: FOR ALL GRAB BARS ON TOILET PARTITIONS - USE BOBRICK 258 SERIES ANCHORS, ONE ANCHOR PER FLANGE						
TA7H	HORIZONTAL TWO WALL GRAB BAR	GAMCO	150 SERIES			●	
SANITARY NAPKIN DISPOSAL							
TA11A	SURFACE MOUNTED	GAMCO	NV-2-4FS			●	
HOOKS - ROBE, TOWEL, & IV							
TA12A	ROBE HOOK	BOBRICK	B-2116			●	

TOILET ROOM & ACCESSORY NOTES

1. FIXTURE CALL OUTS (WC1, ST1, S1, ETC.) HAVE NO REFERENCE TO THE CALL OUTS ON THE PLUMBING SHEETS. THEY ARE STRICTLY TO IDENTIFY TOILET ACCESSSORIES AND DIMENSIONAL INFORMATION .
2. ENLARGED PLANS ON THIS SHEET INDICATE DIMENSIONS, TOILET ACCESSORY LOCATIONS, AND REQUIRED CLEARANCES TO BE MAINTAINED.
3. ENLARGED TOILET ROOM & COMPONENT LAYOUTS (S1, S2, U1, WC1, ST2, ETC.) ARE KEYED ONTO FLOOR PLANS.
4. REFER TO FLOOR PLAN SHEETS FOR EXACT TOILET ROOM AND / OR FIXTURE ORIENTATION, DOOR LOCATION(S), ADJACENT WALL CONSTRUCTION, AND ADDITIONAL EQUIPMENT ITEMS.
5. DIMENSIONS INDICATED HERE ARE TYPICAL - UNLESS DIMENSIONED OTHERWISE ON FLOOR PLAN SHEETS OR INTERIOR ELEVATIONS.
6. DIMENSIONS SHOWN FOR TOILET FIXTURES, ACCESSORIES, AND EQUIPMENT ITEMS AS WELL AS REQUIRED CLEAR FLOOR SPACE ARE **FROM FACE OF ROOM FINISH** (SUCH AS TILE).
7. NOTE THAT DOORS CANNOT INFRINGE UPON OR SWING INTO THE REQUIRED RECTANGULAR "CLEAR FLOOR SPACE" AREAS SHOWN ON ENLARGED PLANS UNLESS NOTED OTHERWISE.
8. PLUMBING FIXTURES SHOWN HERE ARE **GENERIC** - SEE PLUMBING DRAWINGS FOR ACTUAL SCHEDULED FIXTURES.
9. TOILET STALLS - NOTE THAT DOOR SIZE SHOWN INDICATED CLEAR OPENING REQUIRED. EXAMPLE: 32" DOOR - PROVIDE 32" CLEAR OPENING.

EXAMPLE: TOILET ACCESSORY CALL OUTS SHOWN ON FLOOR PLAN

SINGLE TOILET



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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE. DALLAS, TX 75203

TOILET ACCESSORIES / MOUNTING HEIGHTS

4.02

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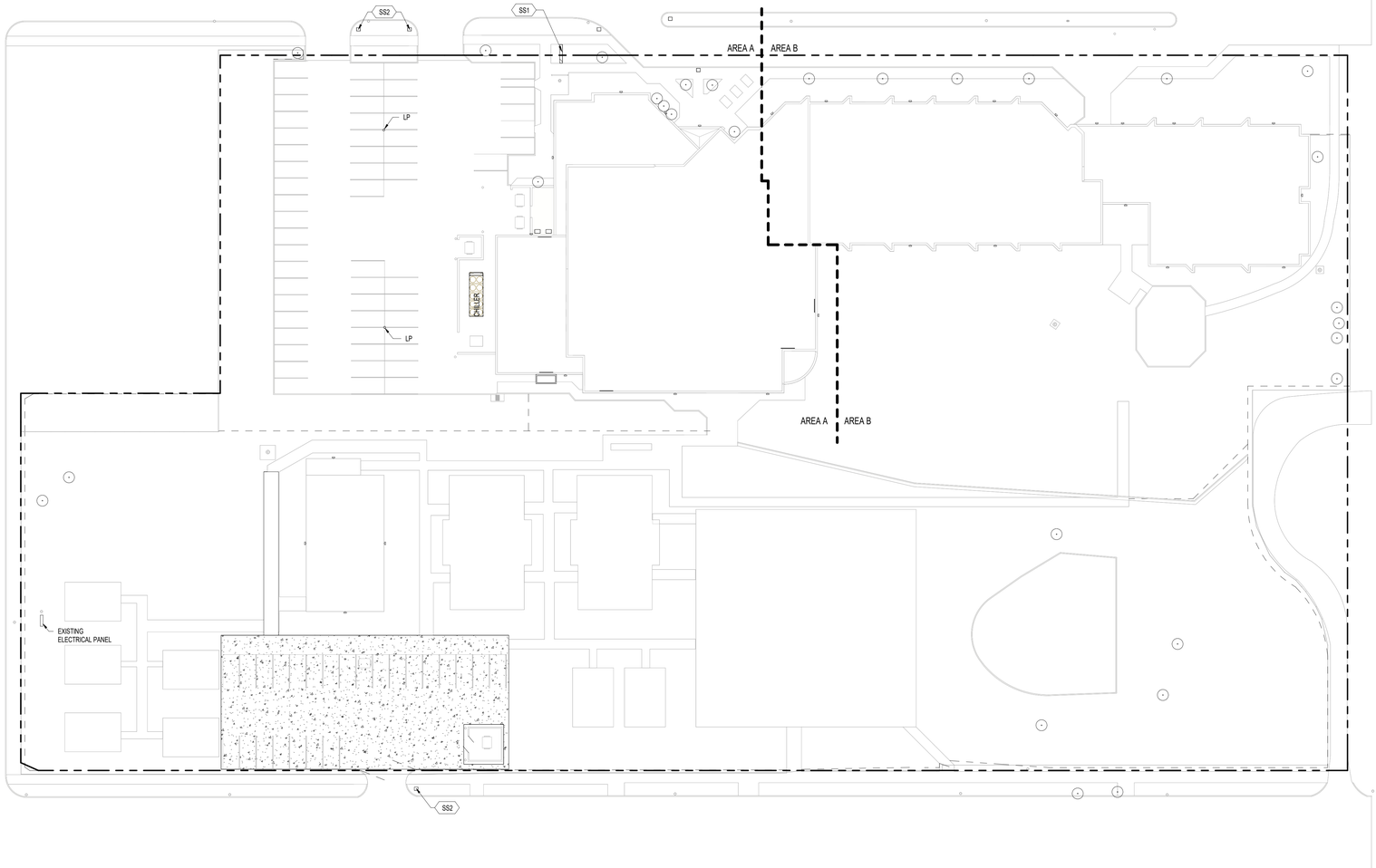
SIGN SITE PLAN NOTES BY NUMBER (SS#)

SS1 INSTALL NEW DIGITAL MARQUEE SIGN INTO EXISTING POLE MOUNTED CABINET, SEE 3/4.03.

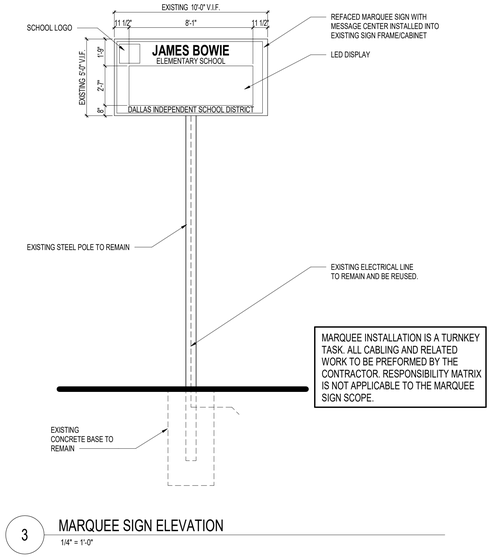
SS2 "SCHOOL FACULTY AND STAFF PARKING ONLY" SIGN - 2/4.03.



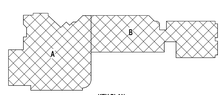
1 SITE SIGNAGE PLAN
1" = 30'-0"

NORTH

2 STAFF PARKING SIGN
3" = 1'-0"



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



KEY PLAN

COMM. NO.	1288
DATE	11/11/24
DRAWN	DE
CHECKED	TM

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

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SITE SIGNAGE

4.03

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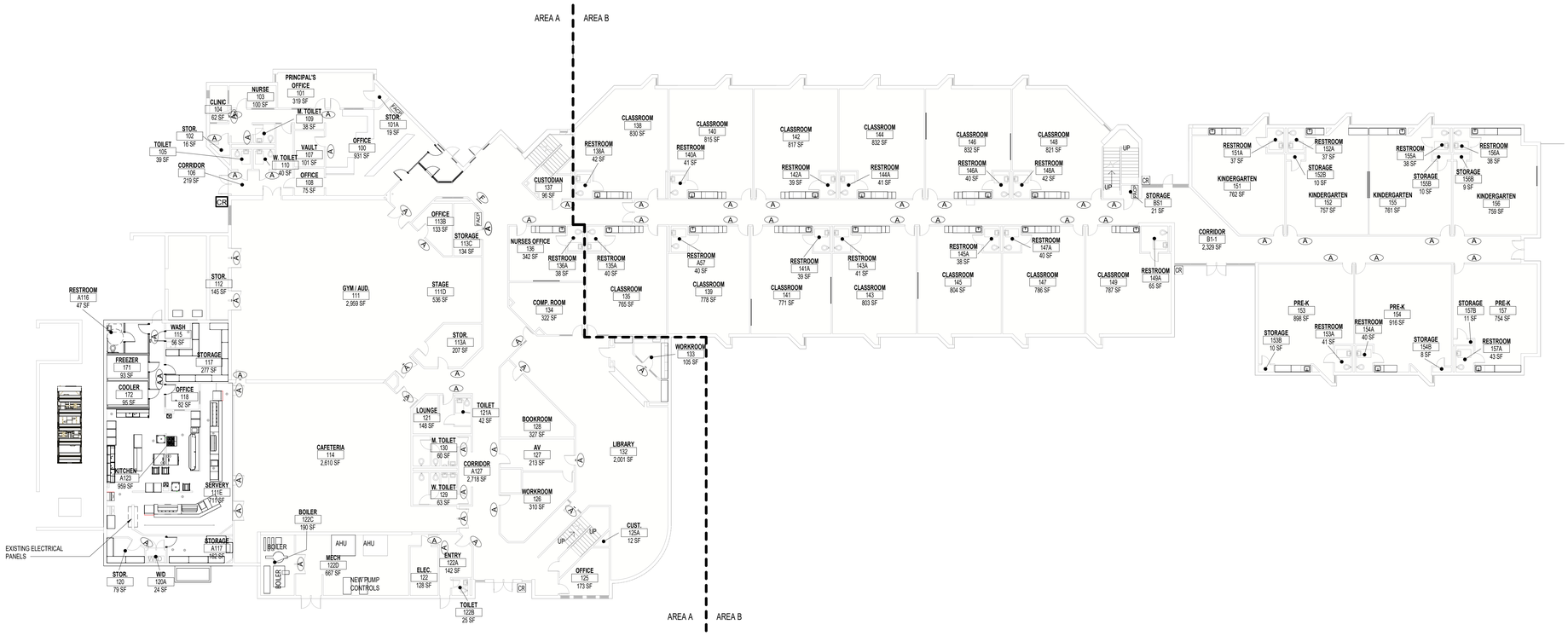

1 SIGNAGE PLAN - FIRST FLOOR
1/16" = 1'-0"

NORTH

GRAPHICS PLAN NOTES BY NUMBER G1

G1 THIS IS USED FOR GRAPHICS/SIGNAGE PLANS.

SIGNAGE SCHEDULE - LEVEL 01

PLAN NUMBER	PLAN NAME	SIGN TYPE	SIGN MESSAGE	SIGN NUMBER
100	OFFICE			
100A	VESTIBULE			
101	PRINCIPAL'S OFFICE			
101A	STOR.			
102	STOR.			
103	NURSE			
104	CLINIC			
105	TOILET			
106	CORRIDOR			
107	VAULT			
108	OFFICE			
109	M. TOILET			
110	W. TOILET			
111	GYM / AUD.			
111D	STAGE			
111E	SERVERY			
112	STOR.			
113A	STOR.			
113B	OFFICE			
113C	STORAGE			
114	CAFETERIA			
115	WASH			
117	STORAGE			
118	OFFICE			
120	STOR.			
120A	W/D			
121	LOUNGE			
121A	TOILET			
122	ELEC.			
122A	ENTRY			
122B	TOILET			
122C	BOILER			
122D	MECH			
125	OFFICE			
125A	CUST.			
126	WORKROOM			
127	AV			
128	BOOKROOM			
129	W. TOILET			
130	M. TOILET			
132	LIBRARY			
133	WORKROOM			
134	COMP. ROOM			
135	CLASSROOM			
135A	RESTROOM			
136	NURSES OFFICE			
136A	RESTROOM			
137	CUSTODIAN			
138	CLASSROOM			
138A	RESTROOM			
139	CLASSROOM			
140	CLASSROOM			
140A	RESTROOM			
141	CLASSROOM			
141A	RESTROOM			
142	CLASSROOM			
142A	RESTROOM			
143	CLASSROOM			
143A	RESTROOM			
144	CLASSROOM			
144A	RESTROOM			
145	CLASSROOM			
145A	RESTROOM			
146	CLASSROOM			
146A	RESTROOM			
147	CLASSROOM			
147A	RESTROOM			
148	CLASSROOM			
148A	RESTROOM			
149	CLASSROOM			
149A	RESTROOM			
151	KINDERGARTEN			
151A	RESTROOM			
152	KINDERGARTEN			
152A	RESTROOM			
152B	STORAGE			
153	PRE-K			
153A	RESTROOM			
153B	STORAGE			
154	PRE-K			
154A	RESTROOM			
154B	STORAGE			
155	KINDERGARTEN			
155A	RESTROOM			
155B	STORAGE			
156	KINDERGARTEN			
156A	RESTROOM			
156B	STORAGE			
157	PRE-K			
157A	RESTROOM			
157B	STORAGE			
171	FREEZER			
172	COOLER			
A24	Room			
A57	RESTROOM			
A116	RESTROOM			
A117	STORAGE			
A118	BREAKROOM			
A123	KITCHEN			
A127	CORRIDOR			
B1-1	CORRIDOR			
BS1	STORAGE			

SIGNAGE LEGEND

A	ROOM NUMBER GRAPHIC W/ DISPLAY (SIGN TYPE A)
B	ROOM NUMBER GRAPHIC (SIGN TYPE B)
C	RESTROOM SIGNAGE (SIGN TYPE C)
D	OCCUPANT LOAD SIGN (SIGN TYPE D)
E	EVACUATION PLAN (SIGN TYPE E)
F	WAY FINDING (TYPE F)

GENERAL NOTES:

FINAL DESIGN AND PLACEMENT OF GRAPHICS ARE DEPENDENT ON OWNER REVIEW.

KEY PLAN

COMM. NO. 1288
DATE 11/11/24
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CHECKED TM

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

REGISTERED ARCHITECT JAMES R. MCCARTY 24947 STATE OF TEXAS 11-14-24

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SIGNAGE PLAN - LEVEL 01

4.04A

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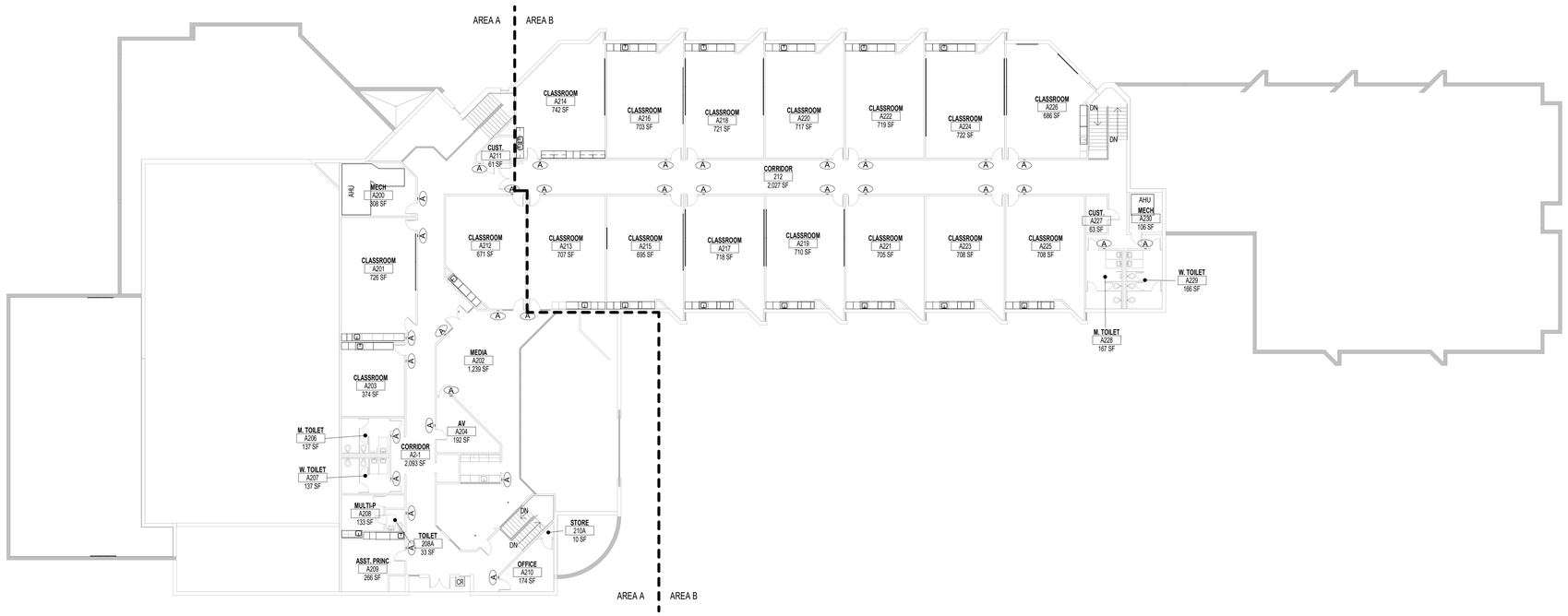


1 SIGNAGE PLAN SECOND FLOOR

1/16" = 1'-0"

NORTH

GRAPHICS PLAN NOTES BY NUMBER G1

G1 THIS IS USED FOR GRAPHICS/SIGNAGE PLANS.

SIGNAGE SCHEDULE - LEVEL 02

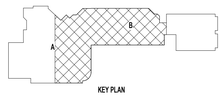
PLAN NUMBER	PLAN NAME	SIGN TYPE	SIGN MESSAGE	SIGN NUMBER
123	Room			
124	Room			
131	Room			
150	Room			
158	Room			
159	Room			
160	Room			
161	Room			
162	Room			
163	Room			
164	Room			
165	Room			
166	Room			
167	Room			
168	Room			
169	Room			
170	Room			
173	Room			
175	Room			
176	Room			
177	Room			
178	Room			
197	Room			
198	Room			
205	Room			
208A	TOILET			
210A	STORE			
212	CORRIDOR			
237	Room			
A2-1	CORRIDOR			
A200	MECH			
A201	CLASSROOM			
A202	MEDIA			
A203	CLASSROOM			
A204	AV			
A206	M. TOILET			
A207	W. TOILET			
A208	MULTI-P			
A209	ASST. PRINC			
A210	OFFICE			
A211	CUST.			
A212	CLASSROOM			
A213	CLASSROOM			
A214	CLASSROOM			
A215	CLASSROOM			
A216	CLASSROOM			
A217	CLASSROOM			
A218	CLASSROOM			
A219	CLASSROOM			
A220	CLASSROOM			
A221	CLASSROOM			
A222	CLASSROOM			
A223	CLASSROOM			
A224	CLASSROOM			
A225	CLASSROOM			
A226	CLASSROOM			
A227	CUST.			
A228	M. TOILET			
A229	W. TOILET			
A230	MECH			

SIGNAGE LEGEND

A	ROOM NUMBER GRAPHIC W/ DISPLAY (SIGN TYPE A)
B	ROOM NUMBER GRAPHIC (SIGN TYPE B)
C	RESTROOM SIGNAGE (SIGN TYPE C)
D	OCCUPANT LOAD SIGN (SIGN TYPE D)
E	EVACUATION PLAN (SIGN TYPE E)
F	WAY FINDING (TYPE F)

GENERAL NOTES:

FINAL DESIGN AND PLACEMENT OF GRAPHICS ARE DEPENDENT ON OWNER REVIEW.



KEY PLAN

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REVISIONS:

REGISTERED ARCHITECT JAMES B. MCCARTY STATE OF TEXAS 11-11-24

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SIGNAGE PLAN - LEVEL 02

4.04B

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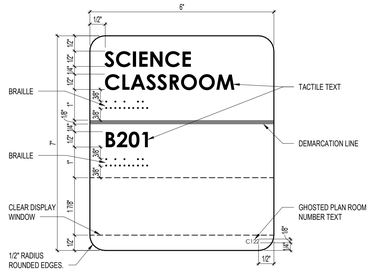
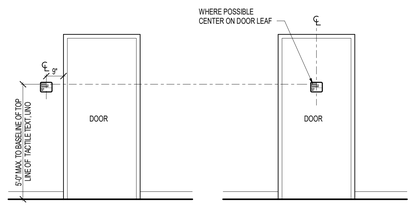
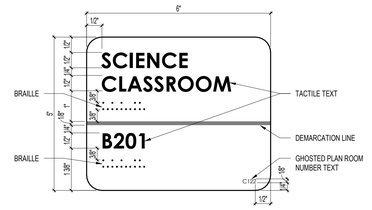


3 SIGN TYPE A (ROOM NUMBER GRAPHIC W/ DISPLAY)
6" = 1'-0"



4 TYPICAL SIGNAGE PLACEMENT ELEVATION
3/8" = 1'-0"

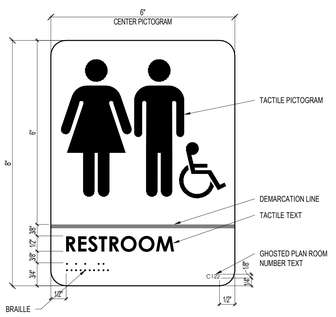


2 SIGN TYPE B (ROOM NUMBER GRAPHIC)
6" = 1'-0"

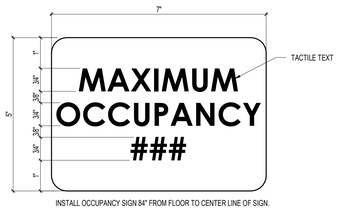
GRAPHIC SIGNAGE GENERAL NOTES:

A. ALL ROOM NAMES PROVIDED ON ARCHITECTURAL SHEETS ARE FOR CONTRACTOR COORDINATION ONLY. VERIFY ROOM NAMES AND ROOM NUMBERS AND SIGNAGE LOCATIONS WITH OWNER AND ARCHITECT WITH SHOP DRAWINGS PRIOR TO FABRICATING ANY SIGNAGE.
B. ALL SIGNS SHALL BE CONSTRUCTED AND INSTALLED TO MEET THE REQUIREMENTS OF ADOPTED CODES, INCLUDING APPLICABLE ACCESSIBILITY CODES.
C. SIGNAGE CONSTRUCTION IS
   a. FACE LAYER: 1/4" TRANSLUCENT PHOTOPOLYMER WITH INTEGRAL BASED GRAPHICS CREATED BY ETCHING AWAY BACKGROUND. PERMANENTLY ADHERE TO BACK LAYER.
   b. BACK LAYER 1/8" MASONITE BACKPLATE. BACKPLATE IS PAINTED, AND COLOR IS VISIBLE AND SHALL BE SEEN THROUGH THE MATERIAL FROM THE FRONT FACE.
   c. EDGES OF SIGNS SHALL HAVE 1/2" RADIUSES CORNERS, TYPICAL AND BE SANDED SMOOTH AND FREE OF CUT MARKS.
   d. WHERE SIGNS ARE INSTALLED ON THE EXTERIOR, PROVIDE UV-RESISTANT EXTERIOR GRADE SIGNAGE.
D. TACTILE GRAPHICS, PICTOGRAMS AND TEXT
   a. ALL PICTOGRAMS, TACTILE CHARACTERS AND BRAILLE TO BE INTEGRAL TO SIGN FACE, AND NOT ADHESIVE-FIXED.
   b. TACTILE COPY, PICTOGRAMS, AND BRAILLE SHALL BE RAISED 1/32" MINIMUM.
   c. TACTILE CHARACTERS ARE 1/2" TALL MINIMUM. ALL-CAPS **CENTURY GOTHIC BOLD**
   d. WHERE MULTIPLE LINES OF TEXT ARE USED, BASELINES OF TEXT SHALL BE SEPARATED BY 150% OF THE TEXT HEIGHT. EEG: BASELINES OF 1/2" TEXT SHALL BE SEPARATED BY 3/4".
   e. ALL BRAILLE SHALL BE CONTRACTED (GRADE 2), WITH DOMED SHAPE.
   f. BRAILLE SHALL BE SEPARATED FROM BORDERS, TACTILE CHARACTERS AND ANY DECORATIVE ELEMENT BY A MINIMUM OF 3/8".
   g. PICTOGRAMS SHALL HAVE A FIELD HEIGHT OF 6" MIN.
   h. PAINT AND COLOR OF RAISED GRAPHICS SHALL BE MATTE FINISHED AND UNIFORM, OPAQUE, AND FREE OF IMPERFECTIONS.
E. NON-TACTILE FONT SHALL BE MATTE FINISHED.
   a. GHOSTED FONT SHALL BE ETCHED AND MATTE FINISHED IN THE SAME COLOR AS THE FACE LAYER.
F. SIGNAGE COLOR SHALL BE
   a. SIGN BACKGROUND IN COLOR [**DARK GREY**]
   b. PICTOGRAMS, TEXT AND BRAILLE IN COLOR [**WHITE**]
   c. DEMARCATION LINE IN COLOR [**CRIMSON RED**]
G. SIGNAGE INSTALLATION
   a. INSTALL SIGNAGE WITH 1/16" FOAM TAPE AND SILICONE.
   b. WHERE SIGNS ARE INSTALLED ON GLASS, PROVIDE BACKPLATE IN MATCHING CONSTRUCTION. INSTALL ON OPPOSITE SIDE OF GLASS ALIGNED TO SIGN.
H. DEDICATION PLAQUE
   a. BASIS OF DESIGN: **A.R.K. RAMOS CAST PLAQUE**
      - BORDER STYLE 510
      - CONCEALED STUD MOUNTING
      - AL-200 FINISH - SATIN ALUMINUM RAISED AREAS WITH GUN METAL GREY BACKGROUND.
      - LEATHERETTE TEXTURED BACKGROUND.
   b. CONSTRUCTION SHALL BE MINIMUM 1/2" THICK **CAST ALUMINUM**
   c. CONTRACTOR TO VERIFY INFORMATION AND CONFIRM WITH OWNER AND ARCHITECT WITH SHOP DRAWINGS PRIOR TO FABRICATION.
   d. PLAQUE SHALL BE FABRICATED WITH CONCEALED ANCHORING STUDS ON BACK OF PLAQUE FOR EMBEDMENT AND ANCHORAGE AS REQUIRED.

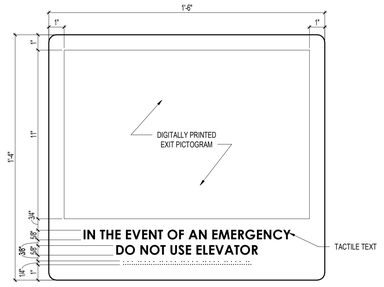
8 GRAPHIC SIGNAGE GENERAL NOTES
1/4" = 1'-0"



5 SIGN TYPE C - (RESTROOM SIGNAGE)
6" = 1'-0"



6 SIGN TYPE D - (OCCUPANT LOAD SIGN)
6" = 1'-0"

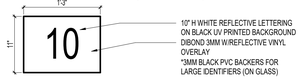


7 SIGN TYPE E - EVACUATION PLAN
3" = 1'-0"

SIGNAGE SCHEDULE - LEVEL 01

PLAN NUMBER	PLAN NAME	SIGN TYPE	SIGN MESSAGE	SIGN NUMBER
100	OFFICE			
100A	VESTIBULE			
101	PRINCIPAL'S OFFICE			
101A	STOR.			
102	STOR.			
103	NURSE			
104	CLINIC			
105	TOILET			
106	CORRIDOR			
107	VAULT			
108	OFFICE			
109	M. TOILET			
110	W. TOILET			
111	GYM / AUD.			
111D	STAGE			
111E	SERVERY			
112	STOR.			
113A	STOR.			
113B	OFFICE			
113C	STORAGE			
114	CAFETERIA			
115	WASH			
117	STORAGE			
118	OFFICE			
120	STOR.			
120A	W/D			
121	LOUNGE			
121A	TOILET			
122	ELEC.			
122A	ENTRY			
122B	TOILET			
122C	BOILER			
122D	MECH			
125	OFFICE			
125A	CUST.			
126	WORKROOM			
127	AV			
128	BOOKROOM			
129	W. TOILET			
130	M. TOILET			
132	LIBRARY			
133	WORKROOM			
134	COMP. ROOM			
135	CLASSROOM			
135A	RESTROOM			
136	NURSES OFFICE			
136A	RESTROOM			
137	CUSTODIAN			
138	CLASSROOM			
138A	RESTROOM			
139	CLASSROOM			
140	CLASSROOM			
140A	RESTROOM			
141	CLASSROOM			
141A	RESTROOM			
142	CLASSROOM			
142A	RESTROOM			
143	CLASSROOM			
143A	RESTROOM			
144	CLASSROOM			
144A	RESTROOM			
145	CLASSROOM			
145A	RESTROOM			
146	CLASSROOM			
146A	RESTROOM			
147	CLASSROOM			
147A	RESTROOM			
148	CLASSROOM			
148A	RESTROOM			
149	CLASSROOM			
149A	RESTROOM			
151	KINDERGARTEN			
151A	RESTROOM			
152	KINDERGARTEN			
152A	RESTROOM			
152B	STORAGE			
153	PRE-K			
153A	RESTROOM			
153B	STORAGE			
154	PRE-K			
154A	RESTROOM			
154B	STORAGE			
155	KINDERGARTEN			
155A	RESTROOM			
155B	STORAGE			
156	KINDERGARTEN			
156A	RESTROOM			
156B	STORAGE			
157	PRE-K			
157A	RESTROOM			
157B	STORAGE			
171	FREEZER			
172	COOLER			
A24	Room			
A57	RESTROOM			
A116	RESTROOM			
A117	STORAGE			
A118	BREAKROOM			
A123	KITCHEN			
A127	CORRIDOR			
B1-1	CORRIDOR			
BS1	STORAGE			

SMALL IDENTIFIERS (ON GLASS)

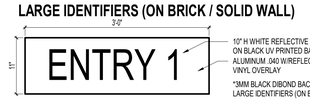


SMALL IDENTIFIERS (ON BRICK / SOLID WALL)

LARGE IDENTIFIERS (ON GLASS)

REFER TO SHEET S-501

LARGE IDENTIFIERS (ON BRICK / SOLID WALL)



9 SIGN TYPE S - SECURITY DOOR NUMBERS
1" = 1'-0"

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BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

REGISTERED ARCHITECT
JAMES R. MCCARTY
STATE OF TEXAS
11-11-24

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

INTERIOR SIGNAGE SCHEDULE AND DETAILS

4.05

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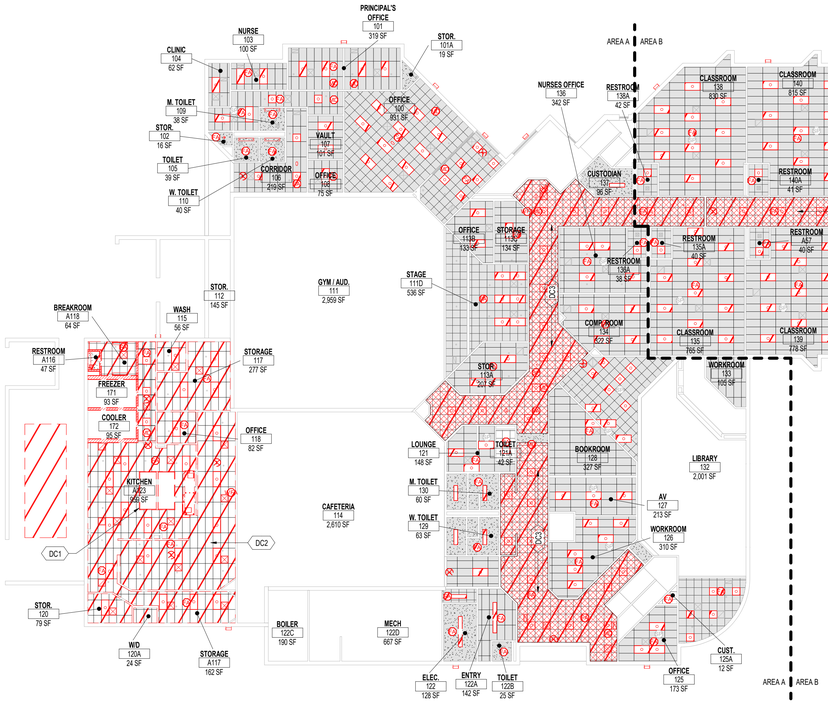


1 DEMOLITION REFLECTED CEILING PLAN - LEVEL 01

1/16" = 1'-0"

NORTH

GENERAL DEMOLITION REFLECTED CEILING PLAN NOTES:

A. SEE DEMOLITION PLAN AND MEP DRAWINGS FOR ADDITIONAL SCOPE OF WORK.
B. CEILING TILES, CEILING GRIDS, LIGHTS AND CEILING DEVICES SHOWN HATCHED OR DOUBLE HATCHED ARE TO BE REMOVED. REMOVE ALL DEVICES MOUNTED ASSOCIATED WITH DEMOLISHED CEILINGS. RETURN ALL EQUIPMENT AND DEVICES NOT RE-USED TO OWNER. STORE ALL OTHER DEVICES AND REINSTALL WITHIN THE GENERAL AREA FROM WHICH THEY WERE REMOVED.
C. DEMOLISH AND REMOVE AND UNUSED ELECTRICAL, PLUMBING, AND HVAC ITEMS INCLUDING CONDUIT, PIPING, DUCTWORK, ETC.

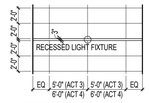
DEMO RCP PLAN NOTES BY NUMBER (DC#)

DC1 REMOVE EXISTING VENT HOOD.
DC2 REMOVE CEILING AND ALL CEILING MOUNTED DEVICES.
DC3 REMOVE EXISTING CEILING AND CEILING MOUNTED DEVICES - ADD ALTERNATE #1

REFLECTED CEILING PLAN LEGEND

CEILINGS

- EXISTING ACOUSTICAL TILE CEILING (24X24)
- EXISTING ACOUSTICAL TILE CEILING (24X24) TO BE REMOVED
- EXISTING VINYL TILE CEILING (24X48) TO BE REMOVED
- EXISTING GYPSUM CEILING - PAINTED
- EXISTING GYPSUM CEILING - PAINTED TO BE REMOVED
- NO CEILING



INTEGRATED CEILING ASSEMBLY(SPECIALTY SIZE)

LIGHTS (REFER E-SHEETS FOR SIZES)

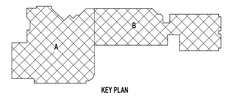
- 1x4 RECESSED LIGHT FIXTURE TO BE REMOVED
- LIGHT FIXTURE TO BE REMOVED
- 2x4 RECESSED LIGHT FIXTURE TO BE REMOVED
- 1x4 WALL MOUNTED LIGHT FIXTURE TO BE REMOVED
- WALL PACK TO BE REMOVED
- DOWNLIGHT TO BE REMOVED
- SUSPENDED STRIP LIGHT FIXTURE TO BE REMOVED
- SUSPENDED STRIP LIGHT FIXTURE TO BE REMOVED
- PENDANT LIGHT FIXTURE TO BE REMOVED

MECHANICAL (REFER M-SHEETS FOR SIZES)

- HVAC SUPPLY DIFFUSER TO BE REMOVED
- HVAC RETURN DIFFUSER TO BE REMOVED

MISCELLANEOUS

- WFA WALL MOUNTED FIRE ALARM TO BE REMOVED
- SD SMOKE DETECTOR TO BE REMOVED
- EXIT LIGHT TO BE REMOVED
- CAMERA TO BE REMOVED
- FA FIRE ALARM TO BE REMOVED
- SP SPEAKER TO BE REMOVED
- WALL PACK TO BE REMOVED
- WEL WALL MOUNTED EMERGENCY LIGHT TO BE REMOVED
- MD MOTION DETECTOR TO BE REMOVED
- SPRINKLER TO BE REMOVED
- EMERGENCY FIRE STROBE TO BE REMOVED



KEY PLAN

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TBAE FIRM # BR 1300

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

REFLECTED CEILING PLAN - DEMOLITION - LEVEL 01

5.00

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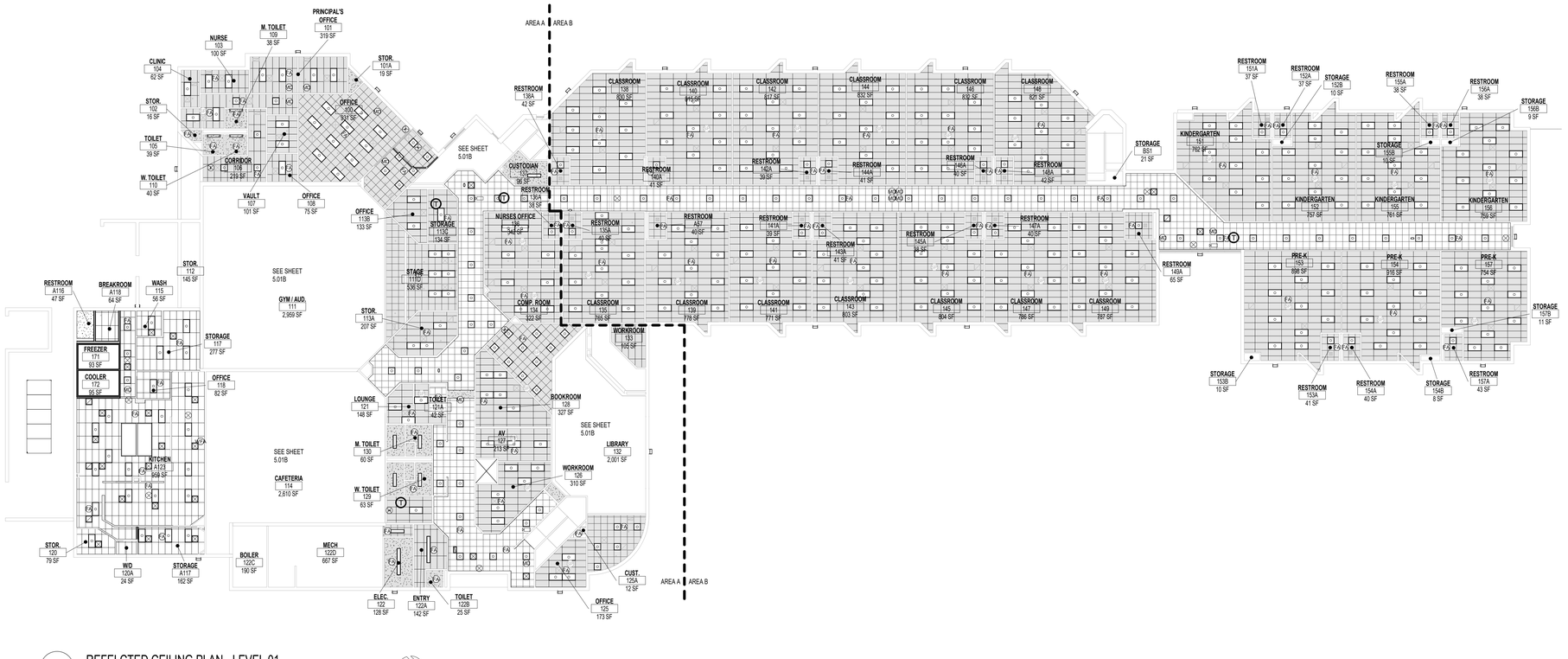


1 REFELCTED CEILING PLAN - LEVEL 01

1/16" = 1'-0"

NORTH

REFLECTED CEILING PLAN NOTES:

A. LIGHT FIXTURES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN.

B. CEILING DIFFUSERS, RETURN AIR GRILLES, AND EXHAUST FAN INTAKES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN.

C. ALL GYPSUM BOARD SOFFITS AND BULKHEADS ARE TO ALIGN WITH ADJACENT SUSPENDED CEILING SYSTEMS, UNLESS NOTED OTHERWISE.

D. SUSPENDED CEILING TILES IN EACH ROOM ARE TO BE CONFIGURED SUCH THAT NO LESS THAN ONE-HALF A BORDER TILE EXISTS ADJACENT TO ANY ROOM WALL, UNLESS NOTED OTHERWISE.

E. CEILINGS IN ELECTRICAL ROOMS, TELEPHONE ROOMS, MECHANICAL ROOMS & OTHER SIMILAR SPACES ARE EXPOSED TO STRUCTURE ABOVE UNLESS NOTED OR SCHEDULED OTHERWISE.

F. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHT FIXTURE SPECIFIC INFORMATION.

G. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL DIFFUSER SPECIFIC INFORMATION.

H. FINISHED CEILING HEIGHT IS **9'-0"** UNLESS NOTED OTHERWISE.

GENERAL ACOUSTICAL NOTES

1. EXTEND ALL WALLS AND INSTALL SOUND ATTENUATION BATTS BETWEEN STUDS FROM FINISH FLOOR TO FLOOR/ROOF DECK ABOVE AROUND ROOMS LISTED BELOW TO PROVIDE A CONTINUOUS VERTICAL ACOUSTICAL ENVELOPE.

   ROOMS WITH WALLS TO DECK WITH ACOUSTICAL BLANKET FULL HEIGHT:
   1. EXISTING ELECTRICAL ROOM
   2. ALL NEW RESTROOMS AND JANITOR ROOMS
   3. ALL NEW EXAM ROOMS
   4. ALL NEW OFFICES
   5. ALL NEW MECHANICAL AND ELECTRICAL ROOMS

   REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

2. ALL INTERIOR WALLS OF SPECIFIED ROOMS SHALL BE EXTENDED TO ROOF DECK ABOVE AND SEALED AIR-TIGHT, ALL ELECTRICAL BOXES IN THESE WALLS SHALL ALSO BE SEALED AIR-TIGHT.

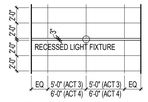
REFLECTED CEILING PLAN NOTES BY NUMBER

C1 INSTALL NEW VENT HOOD AND ANSUL SYSTEM. SEE MECHANICAL DRAWINGS.
C2 INSTALL NEW VINYL FACE CEILING TILES IN ALUMINUM GRID AND NEW CEILING DEVICES.
C3 INSTALL NEW CEILING - ADD ALTERNATE #1

REFLECTED CEILING PLAN LEGEND

CEILINGS

- NEW ACOUSTICAL TILE CEILING (24X24)
- NEW ACOUSTICAL TILE CEILING (24X48), VINYL FACED
- EXISTING CEILING TO REMAIN
- NO CEILING
- GYPSUM CEILING - PAINTED



INTEGRATED CEILING ASSEMBLY(SPECIALTY SIZE)

LIGHTS (REFER E-SHEETS FOR SIZES)

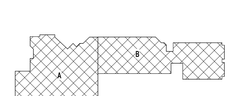
- NEW 2x2 RECESSED LIGHT FIXTURE
- NEW LIGHT FIXTURE
- NEW 2x4 RECESSED LIGHT FIXTURE
- NEW WALL MOUNTED LIGHT FIXTURE

MECHANICAL (REFER M-SHEETS FOR SIZES)

- HVAC SUPPLY DIFFUSER
- HVAC RETURN DIFFUSER
- HVAC SLOT DIFFUSER
- HVAC EXHAUST GRILLE
- ACCESS PANEL

MISCELLANEOUS

- SD SMOKE DETECTOR
- SPEAKER
- EXIT LIGHT
- CAMERA
- FA FIRE ALARM
- SP SPEAKER
- MD MOTION DETECTOR
- SPRINKLER
- EMERGENCY FIRE STROBE
- NEW LED WALL PACK



KEY PLAN

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REVISIONS:

REGISTERED ARCHITECT JAMES B. MCCARTY 24945 STATE OF TEXAS 11-11-24

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

REFLECTED CEILING PLAN - LEVEL 01

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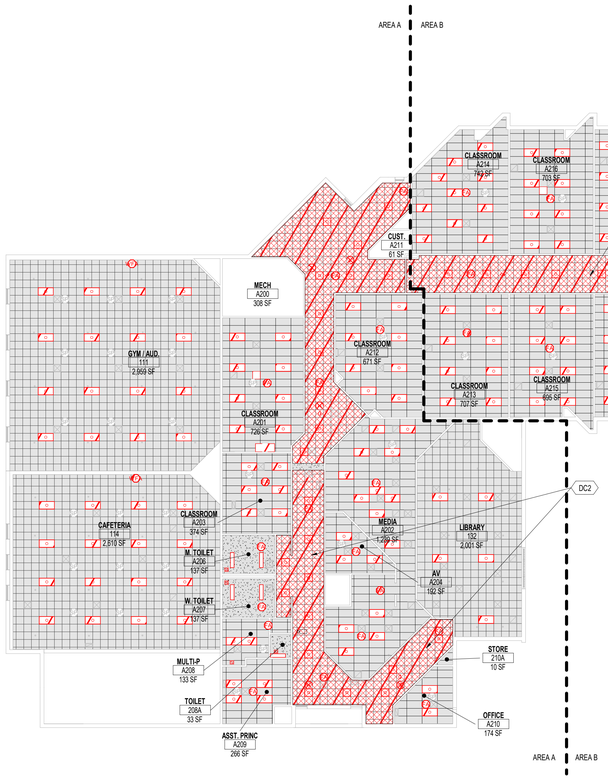


1 DEMOLITION REFLECTED CEILING PLAN - LEVEL 02
1/16" = 1'-0"

NORTH

GENERAL DEMOLITION REFLECTED CEILING PLAN NOTES:

A. SEE DEMOLITION PLAN AND MEP DRAWINGS FOR ADDITIONAL SCOPE OF WORK.
B. CEILING TILES, CEILING GRIDS, LIGHTS AND CEILING DEVICES SHOWN HATCHED OR DOUBLE HATCHED ARE TO BE REMOVED. REMOVE ALL DEVICES MOUNTED ASSOCIATED WITH DEMOLISHED CEILINGS. RETURN ALL EQUIPMENT AND DEVICES NOT RE-USED TO OWNER. STORE ALL OTHER DEVICES AND REINSTALL WITHIN THE GENERAL AREA FROM WHICH THEY WERE REMOVED.
C. DEMOLISH AND REMOVE AND UNUSED ELECTRICAL, PLUMBING, AND HVAC ITEMS INCLUDING CONDUIT, PIPING, DUCTWORK, ETC.

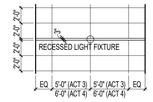
DEMO RCP PLAN NOTES BY NUMBER (DC#)

DC1 REMOVE EXISTING VENT HOOD.
DC2 REMOVE CEILING AND ALL CEILING MOUNTED DEVICES.
DC3 REMOVE EXISTING CEILING AND CEILING MOUNTED DEVICES - ADD ALTERNATE #1

REFLECTED CEILING PLAN LEGEND

CEILINGS

- EXISTING ACOUSTICAL TILE CEILING (24X24)
- EXISTING ACOUSTICAL TILE CEILING (24X24) TO BE REMOVED
- EXISTING VINYL TILE CEILING (24X48) TO BE REMOVED
- EXISTING GYPSUM CEILING - PAINTED
- EXISTING GYPSUM CEILING - PAINTED TO BE REMOVED
- NO CEILING



INTEGRATED CEILING ASSEMBLY(SPECIALTY SIZE)

LIGHTS (REFER E-SHEETS FOR SIZES)

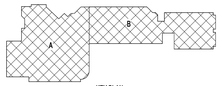
- 1x4 RECESSED LIGHT FIXTURE TO BE REMOVED
- LIGHT FIXTURE TO BE REMOVED
- 2x4 RECESSED LIGHT FIXTURE TO BE REMOVED
- 1x4 WALL MOUNTED LIGHT FIXTURE TO BE REMOVED
- WALL PACK TO BE REMOVED
- DOWNLIGHT TO BE REMOVED
- SUSPENDED STRIP LIGHT FIXTURE TO BE REMOVED
- SUSPENDED STRIP LIGHT FIXTURE TO BE REMOVED
- PENDANT LIGHT FIXTURE TO BE REMOVED

MECHANICAL (REFER M-SHEETS FOR SIZES)

- HVAC SUPPLY DIFFUSER TO BE REMOVED
- HVAC RETURN DIFFUSER TO BE REMOVED

MISCELLANEOUS

- WFA WALL MOUNTED FIRE ALARM TO BE REMOVED
- SD SMOKE DETECTOR TO BE REMOVED
- EXIT LIGHT TO BE REMOVED
- CAMERA TO BE REMOVED
- FA FIRE ALARM TO BE REMOVED
- SP SPEAKER TO BE REMOVED
- WALL PACK TO BE REMOVED
- WEL WALL MOUNTED EMERGENCY LIGHT TO BE REMOVED
- MD MOTION DETECTOR TO BE REMOVED
- SPRINKLER TO BE REMOVED
- EMERGENCY FIRE STROBE TO BE REMOVED



KEY PLAN

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REVISIONS:

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

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330 NORTH MARSALIS AVE, DALLAS, TX 75203

REFLECTED CEILING PLAN - DEMOLITION - LEVEL 02

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1 REFLECTED CEILING PLAN - LEVEL 02

1/16" = 1'-0"

NORTH

REFLECTED CEILING PLAN NOTES:

A. LIGHT FIXTURES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEIILING PLAN.

B. CEILING DIFFUSERS, RETURN AIR GRILLES, AND EXHAUST FAN INTAKES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN.

C. ALL GYPSUM BOARD SOFFITS AND BULKHEADS ARE TO ALIGN WITH ADJACENT SUSPENDED CEILING SYSTEMS, UNLESS NOTED OTHERWISE.

D. SUSPENDED CEILING TILES IN EACH ROOM ARE TO BE CONFIGURED SUCH THAT NO LESS THAN ONE-HALF A BORDER TILE EXISTS ADJACENT TO ANY ROOM WALL, UNLESS NOTED OTHERWISE.

E. CEILINGS IN ELECTRICAL ROOMS, TELEPHONE ROOMS, MECHANICAL ROOMS & OTHER SIMILAR SPACES ARE EXPOSED TO STRUCTURE ABOVE UNLESS NOTED OR SCHEDULED OTHERWISE.

F. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHT FIXTURE SPECIFIC INFORMATION.

G. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL DIFFUSER SPECIFIC INFORMATION.

H. FINISHED CEILING HEIGHT IS **9'-0"** UNLESS NOTED OTHERWISE.

GENERAL ACOUSTICAL NOTES

1. EXTEND ALL WALLS AND INSTALL SOUND ATTENUATION BATTS BETWEEN STUDS FROM FINISH FLOOR TO FLOOR/ROOF DECK ABOVE AROUND ROOMS LISTED BELOW TO PROVIDE A CONTINUOUS VERTICAL ACOUSTICAL ENVELOPE.

   ROOMS WITH WALLS TO DECK WITH ACOUSTICAL BLANKET FULL HEIGHT:
   1. EXISTING ELECTRICAL ROOM
   2. ALL NEW RESTROOMS AND JANITOR ROOMS
   3. ALL NEW EXAM ROOMS
   4. ALL NEW OFFICES
   5. ALL NEW MECHANICAL AND ELECTRICAL ROOMS

   REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

2. ALL INTERIOR WALLS OF SPECIFIED ROOMS SHALL BE EXTENDED TO ROOF DECK ABOVE AND SEALED AIR-TIGHT. ALL ELECTRICAL BOXES IN THESE WALLS SHALL ALSO BE SEALED AIR-TIGHT.

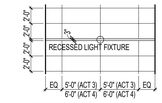
REFLECTED CEILING PLAN NOTES BY NUMBER

C1 INSTALL NEW VENT HOOD AND ANSUL SYSTEM. SEE MECHANICAL DRAWINGS.
C2 INSTALL NEW VINYL FACE CEILING TILES IN ALUMINUM GRID AND NEW CEILING DEVICES.
C3 INSTALL NEW CEILING - ADD ALTERNATE #1

REFLECTED CEILING PLAN LEGEND

CEILINGS

- NEW ACOUSTICAL TILE CEILING (24X24)
- NEW ACOUSTICAL TILE CEILING (24X48), VINYL FACED
- EXISTING CEILING TO REMAIN
- NO CEILING
- GYPSUM CEILING - PAINTED



INTEGRATED CEILING ASSEMBLY(SPECIALTY SIZE)

LIGHTS (REFER E-SHEETS FOR SIZES)

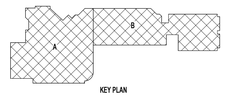
- NEW 2x2 RECESSED LIGHT FIXTURE
- NEW LIGHT FIXTURE
- NEW 2x4 RECESSED LIGHT FIXTURE
- NEW WALL MOUNTED LIGHT FIXTURE

MECHANICAL (REFER M-SHEETS FOR SIZES)

- HVAC SUPPLY DIFFUSER
- HVAC RETURN DIFFUSER
- HVAC SLOT DIFFUSER
- HVAC EXHAUST GRILLE
- ACCESS PANEL

MISCELLANEOUS

- SD SMOKE DETECTOR
- SPEAKER
- EXIT LIGHT
- CAMERA
- FA FIRE ALARM
- SP SPEAKER
- MD MOTION DETECTOR
- SPRINKLER
- EMERGENCY FIRE STROBE
- NEW LED WALL PACK



KEY PLAN

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

REFLECTED CEILING PLAN - LEVEL 02

5.03

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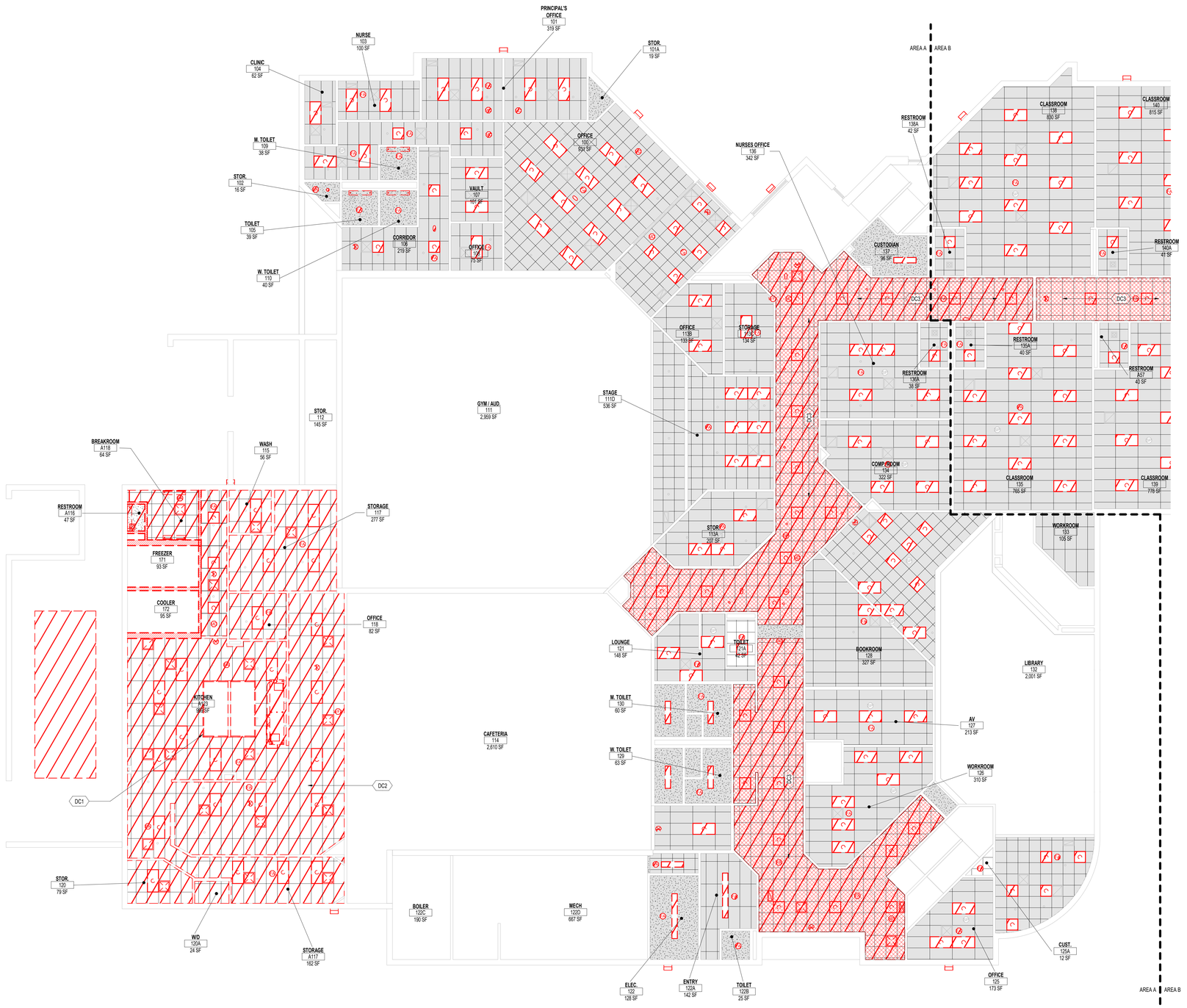
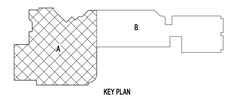


1 DEMOLITION REFLECTED CEILING PLAN - AREA A - LEVEL 01

1/8" = 1'-0"

NORTH



KEY PLAN

GENERAL DEMOLITION REFLECTED CEILING PLAN NOTES:

A. SEE DEMOLITION PLAN AND MEP DRAWINGS FOR ADDITIONAL SCOPE OF WORK.
B. CEILING TILES, CEILING GRIDS, LIGHTS AND CEILING DEVICES SHOWN HATCHED OR DOUBLE HATCHED ARE TO BE REMOVED. REMOVE ALL DEVICES MOUNTED ASSOCIATED WITH DEMOLISHED CEILINGS. RETURN ALL EQUIPMENT AND DEVICES NOT RE-USED TO OWNER. STORE ALL OTHER DEVICES AND REINSTALL WITHIN THE GENERAL AREA FROM WHICH THEY WERE REMOVED.
C. DEMOLISH AND REMOVE AND UNUSED ELECTRICAL, PLUMBING, AND HVAC ITEMS INCLUDING CONDUIT, PIPING, DUCTWORK, ETC.

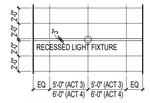
DEMO RCP PLAN NOTES BY NUMBER (DC#)

DC1 REMOVE EXISTING VENT HOOD.
DC2 REMOVE CEILING AND ALL CEILING MOUNTED DEVICES.
DC3 REMOVE EXISTING CEILING AND CEILING MOUNTED DEVICES - ADD ALTERNATE #1

REFLECTED CEILING PLAN LEGEND

CEILINGS

- EXISTING ACOUSTICAL TILE CEILING (24X24)
- EXISTING ACOUSTICAL TILE CEILING (24X24) TO BE REMOVED
- EXISTING VINYL TILE CEILING (24X48) TO BE REMOVED
- EXISTING GYPSUM CEILING - PAINTED
- EXISTING GYPSUM CEILING - PAINTED TO BE REMOVED
- NO CEILING



INTEGRATED CEILING ASSEMBLY(SPECIALTY SIZE)

LIGHTS (REFER E-SHEETS FOR SIZES)

- 1x4 RECESSED LIGHT FIXTURE TO BE REMOVED
- LIGHT FIXTURE TO BE REMOVED
- 2x4 RECESSED LIGHT FIXTURE TO BE REMOVED
- 1x4 WALL MOUNTED LIGHT FIXTURE TO BE REMOVED
- WALL PACK TO BE REMOVED
- DOWNLIGHT TO BE REMOVED
- SUSPENDED STRIP LIGHT FIXTURE TO BE REMOVED
- SUSPENDED STRIP LIGHT FIXTURE TO BE REMOVED
- PENDANT LIGHT FIXTURE TO BE REMOVED

MECHANICAL (REFER M-SHEETS FOR SIZES)

- HVAC SUPPLY DIFFUSER TO BE REMOVED
- HVAC RETURN DIFFUSER TO BE REMOVED

MISCELLANEOUS

- WFA WALL MOUNTED FIRE ALARM TO BE REMOVED
- SD SMOKE DETECTOR TO BE REMOVED
- EXIT LIGHT TO BE REMOVED
- CAMERA TO BE REMOVED
- FA FIRE ALARM TO BE REMOVED
- SP SPEAKER TO BE REMOVED
- WALL PACK TO BE REMOVED
- WEL WALL MOUNTED EMERGENCY LIGHT TO BE REMOVED
- MD MOTION DETECTOR TO BE REMOVED
- SPRINKLER TO BE REMOVED
- EMERGENCY FIRE STROBE TO BE REMOVED

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

REFLECTED CEILING PLAN - DEMOLITION - AREA A - LEVEL 01

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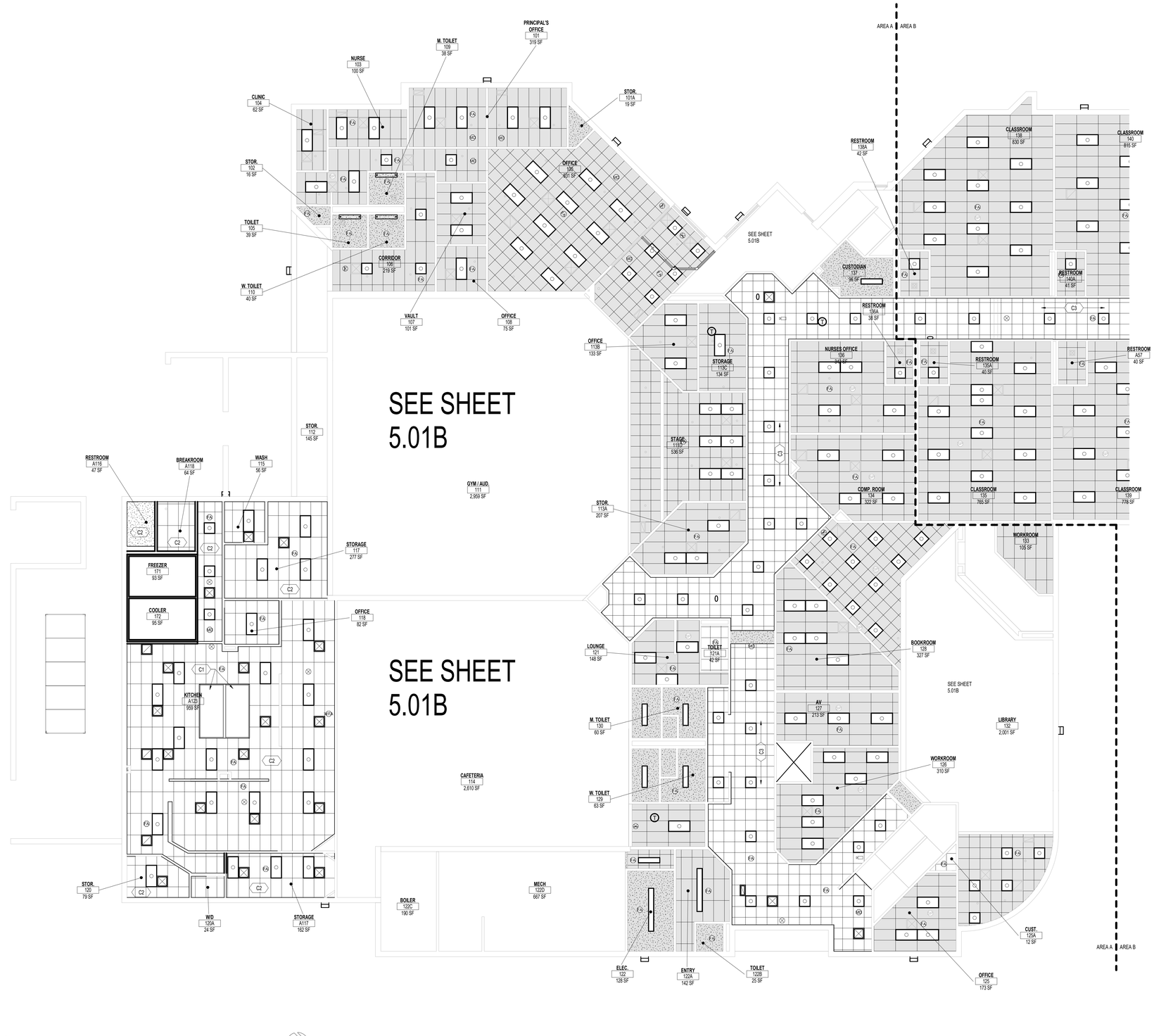


1 REFELCTED CEILING PLAN - AREA A - LEVEL 01
1/8" = 1'-0"

NORTH

REFLECTED CEILING PLAN NOTES:

A. LIGHT FIXTURES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN.

B. CEILING DIFFUSERS, RETURN AIR GRILLES, AND EXHAUST FAN INTAKES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN.

C. ALL GYPSUM BOARD SOFFITS AND BULKHEADS ARE TO ALIGN WITH ADJACENT SUSPENDED CEILING SYSTEMS, UNLESS NOTED OTHERWISE.

D. SUSPENDED CEILING TILES IN EACH ROOM ARE TO BE CONFIGURED SUCH THAT NO LESS THAN ONE-HALF A BORDER TILE EXISTS ADJACENT TO ANY ROOM WALL, UNLESS NOTED OTHERWISE.

E. CEILINGS IN ELECTRICAL ROOMS, TELEPHONE ROOMS, MECHANICAL ROOMS & OTHER SIMILAR SPACES ARE EXPOSED TO STRUCTURE ABOVE UNLESS NOTED OR SCHEDULED OTHERWISE.

F. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHT FIXTURE SPECIFIC INFORMATION.

G. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL DIFFUSER SPECIFIC INFORMATION.

H. FINISHED CEILING HEIGHT IS **9'-0"** UNLESS NOTED OTHERWISE.

GENERAL ACOUSTICAL NOTES

1. EXTEND ALL WALLS AND INSTALL SOUND ATTENUATION BATTS BETWEEN STUDS FROM FINISH FLOOR TO FLOOR/ROOF DECK ABOVE AROUND ROOMS LISTED BELOW TO PROVIDE A CONTINUOUS VERTICAL ACOUSTICAL ENVELOPE.

   ROOMS WITH WALLS TO DECK WITH ACOUSTICAL BLANKET FULL HEIGHT:
   1. EXISTING ELECTRICAL ROOM
   2. ALL NEW RESTROOMS AND JANITOR ROOMS
   3. ALL NEW EXAM ROOMS
   4. ALL NEW OFFICES
   5. ALL NEW MECHANICAL AND ELECTRICAL ROOMS

   REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

2. ALL INTERIOR WALLS OF SPECIFIED ROOMS SHALL BE EXTENDED TO ROOF DECK ABOVE AND SEALED AIR-TIGHT. ALL ELECTRICAL BOXES IN THESE WALLS SHALL ALSO BE SEALED AIR-TIGHT.

REFLECTED CEILING PLAN NOTES BY NUMBER

C1 INSTALL NEW VENT HOOD AND ANSUL SYSTEM. SEE MECHANICAL DRAWINGS.
C2 INSTALL NEW VINYL FACE CEILING TILES IN ALUMINUM GRID AND NEW CEILING DEVICES.
C3 INSTALL NEW CEILING - ADD ALTERNATE #1

REFLECTED CEILING PLAN LEGEND

CEILINGS

- NEW ACOUSTICAL TILE CEILING (24X24)
- NEW ACOUSTICAL TILE CEILING (24X48), VINYL FACED
- EXISTING CEILING TO REMAIN
- NO CEILING
- GYPSUM CEILING - PAINTED

RECESSED LIGHT FIXTURE
2'-0" 2'-0" 2'-0"
EQ 5'-0" (ACT 3) 5'-0" (ACT 3) EQ
6'-0" (ACT 4) 6'-0" (ACT 4)
INTEGRATED CEILING ASSEMBLY(SPECIALTY SIZE)

LIGHTS (REFER E-SHEETS FOR SIZES)

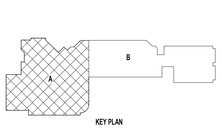
- NEW 2x2 RECESSED LIGHT FIXTURE
- NEW LIGHT FIXTURE
- NEW 2x4 RECESSED LIGHT FIXTURE
- NEW WALL MOUNTED LIGHT FIXTURE

MECHANICAL (REFER M-SHEETS FOR SIZES)

- HVAC SUPPLY DIFFUSER
- HVAC RETURN DIFFUSER
- HVAC SLOT DIFFUSER
- HVAC EXHAUST GRILLE
- ACCESS PANEL

MISCELLANEOUS

- SD SMOKE DETECTOR
- SPEAKER
- EXIT LIGHT
- CAMERA
- FA FIRE ALARM
- SP SPEAKER
- MD MOTION DETECTOR
- SPRINKLER
- EMERGENCY FIRE STROBE
- NEW LED WALL PACK



KEY PLAN

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REVISIONS:

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

REFLECTED CEILING PLAN - AREA A - LEVEL 01

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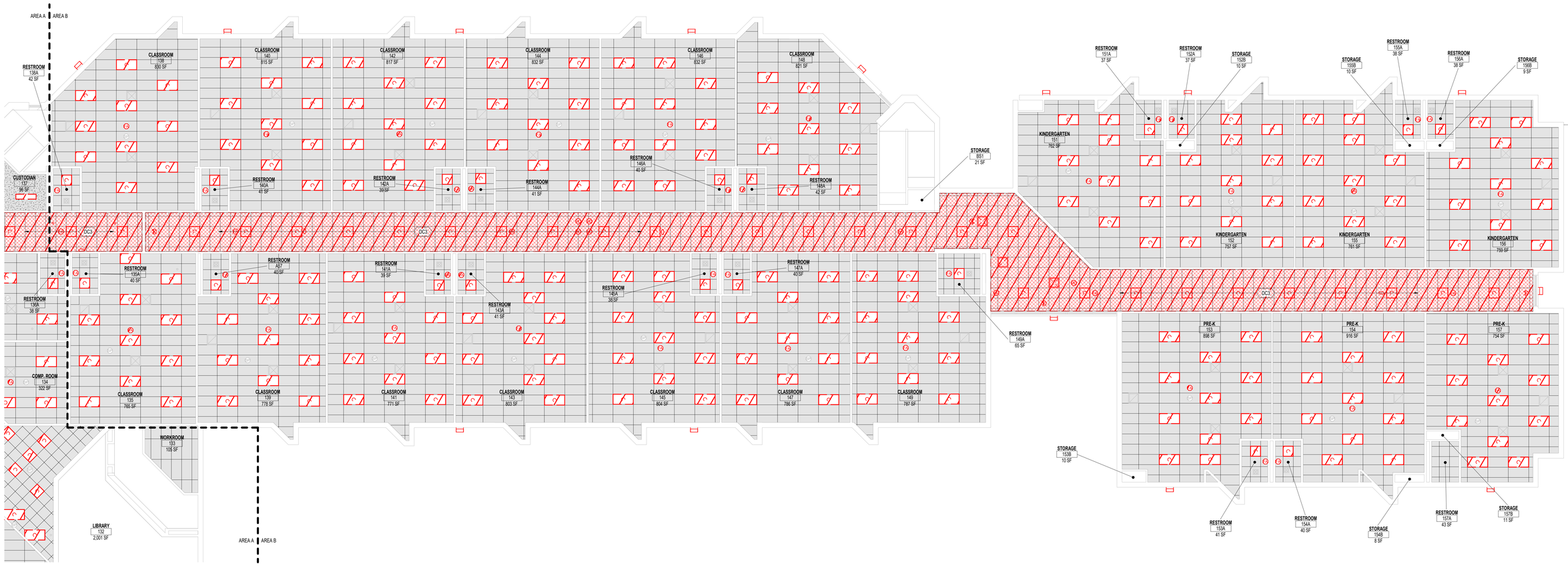
GENERAL DEMOLITION REFLECTED CEILING PLAN NOTES:

A. SEE DEMOLITION PLAN AND MEP DRAWINGS FOR ADDITIONAL SCOPE OF WORK.
B. CEILING TILES, CEILING GRIDS, LIGHTS AND CEILING DEVICES SHOWN HATCHED OR DOUBLE HATCHED ARE TO BE REMOVED. REMOVE ALL DEVICES MOUNTED ASSOCIATED WITH DEMOLISHED CEILINGS. RETURN ALL EQUIPMENT AND DEVICES NOT RE-USED TO OWNER. STORE ALL OTHER DEVICES AND REINSTALL WITHIN THE GENERAL AREA FROM WHICH THEY WERE REMOVED.
C. DEMOLISH AND REMOVE AND UNUSED ELECTRICAL, PLUMBING, AND HVAC ITEMS INCLUDING CONDUIT, PIPING, DUCTWORK, ETC.

DEMO RCP PLAN NOTES BY NUMBER (DC#)

DC1 REMOVE EXISTING VENT HOOD.
DC2 REMOVE CEILING AND ALL CEILING MOUNTED DEVICES.
DC3 REMOVE EXISTING CEILING AND CEILING MOUNTED DEVICES - ADD ALTERNATE #1



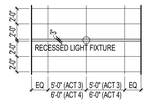
1 DEMOLITION REFLECTED CEILING PLAN - AREA B - LEVEL 01
1/8" = 1'-0"

NORTH

REFLECTED CEILING PLAN LEGEND

CEILINGS

- EXISTING ACOUSTICAL TILE CEILING (24X24)
- EXISTING ACOUSTICAL TILE CEILING (24X24) TO BE REMOVED
- ADD ALTERNATE - EXISTING ACOUSTICAL TILE CEILING (24X24) TO BE REMOVED
- EXISTING GYPSUM CEILING - PAINTED
- EXISTING GYPSUM CEILING - PAINTED TO BE REMOVED
- NO CEILING



INTEGRATED CEILING ASSEMBLY(SPECIALTY SIZE)

LIGHTS (REFER E-SHEETS FOR SIZES)

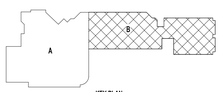
- 1x4 RECESSED LIGHT FIXTURE TO BE REMOVED
- LIGHT FIXTURE TO BE REMOVED
- 2x4 RECESSED LIGHT FIXTURE TO BE REMOVED
- 1x4 WALL MOUNTED LIGHT FIXTURE TO BE REMOVED
- DOWNLIGHT TO BE REMOVED
- SUSPENDED STRIP LIGHT FIXTURE TO BE REMOVED
- SUSPENDED STRIP LIGHT FIXTURE TO BE REMOVED
- PENDANT LIGHT FIXTURE TO BE REMOVED

MECHANICAL (REFER M-SHEETS FOR SIZES)

- HVAC SUPPLY DIFFUSER TO BE REMOVED
- HVAC RETURN DIFFUSER TO BE REMOVED

MISCELLANEOUS

- WFA WALL MOUNTED FIRE ALARM TO BE REMOVED
- SD SMOKE DETECTOR TO BE REMOVED
- EXIT LIGHT TO BE REMOVED
- CAMERA TO BE REMOVED
- FA FIRE ALARM TO BE REMOVED
- SP SPEAKER TO BE REMOVED
- WEL WALL MOUNTED EMERGENCY LIGHT TO BE REMOVED
- MD MOTION DETECTOR TO BE REMOVED
- SPRINKLER TO BE REMOVED
- EMERGENCY FIRE STROBE TO BE REMOVED



KEY PLAN

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330 NORTH MARSALIS AVE, DALLAS, TX 75203

REFLECTED CEILING PLAN - DEMOLITION - AREA B - LEVEL 01

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REFLECTED CEILING PLAN NOTES:

A. LIGHT FIXTURES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN.

B. CEILING DIFFUSERS, RETURN AIR GRILLES, AND EXHAUST FAN INTAKES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN.

C. ALL GYPSUM BOARD SOFFITS AND BULKHEADS ARE TO ALIGN WITH ADJACENT SUSPENDED CEILING SYSTEMS, UNLESS NOTED OTHERWISE.

D. SUSPENDED CEILING TILES IN EACH ROOM ARE TO BE CONFIGURED SUCH THAT NO LESS THAN ONE-HALF A BORDER TILE EXISTS ADJACENT TO ANY ROOM WALL, UNLESS NOTED OTHERWISE.

E. CEILINGS IN ELECTRICAL ROOMS, TELEPHONE ROOMS, MECHANICAL ROOMS & OTHER SIMILAR SPACES ARE EXPOSED TO STRUCTURE ABOVE UNLESS NOTED OR SCHEDULED OTHERWISE.

F. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHT FIXTURE SPECIFIC INFORMATION.

G. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL DIFFUSER SPECIFIC INFORMATION.

H. FINISHED CEILING HEIGHT IS **9'-0"** UNLESS NOTED OTHERWISE.

REFLECTED CEILING PLAN NOTES BY NUMBER

C1 INSTALL NEW VENT HOOD AND ANSUL SYSTEM. SEE MECHANICAL DRAWINGS.
C2 INSTALL NEW VINYL FACE CEILING TILES IN ALUMINUM GRID AND NEW CEILING DEVICES.
C3 INSTALL NEW CEILING - ADD ALTERNATE #1

1 REFELCTED CEILING PLAN - AREA B - LEVEL 01
1/8" = 1'-0"

NORTH

GENERAL ACOUSTICAL NOTES

1. EXTEND ALL WALLS AND INSTALL SOUND ATTENUATION BATTS BETWEEN STUDS FROM FINISH FLOOR TO FLOOR/ROOF DECK ABOVE AROUND ROOMS LISTED BELOW TO PROVIDE A CONTINUOUS VERTICAL ACOUSTICAL ENVELOPE.

   ROOMS WITH WALLS TO DECK WITH ACOUSTICAL BLANKET FULL HEIGHT:
   1. EXISTING ELECTRICAL ROOM
   2. ALL NEW RESTROOMS AND JANITOR ROOMS
   3. ALL NEW EXAM ROOMS
   4. ALL NEW OFFICES
   5. ALL NEW MECHANICAL AND ELECTRICAL ROOMS

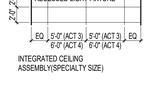
   REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

2. ALL INTERIOR WALLS OF SPECIFIED ROOMS SHALL BE EXTENDED TO ROOF DECK ABOVE AND SEALED AIR-TIGHT, ALL ELECTRICAL BOXES IN THESE WALLS SHALL ALSO BE SEALED AIR-TIGHT.

REFLECTED CEILING PLAN LEGEND

CEILINGS

- NEW ACOUSTICAL TILE CEILING (24X24)
- NEW ACOUSTICAL TILE CEILING (4X48), VINYL FACED
- EXISTING CEILING TO REMAIN
- NO CEILING
- GYPSUM CEILING - PAINTED



INTEGRATED CEILING ASSEMBLY(SPECIALTY SIZE)

LIGHTS (REFER E-SHEETS FOR SIZES)

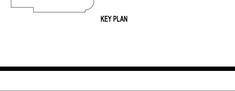
- NEW 2x2 RECESSED LIGHT FIXTURE
- NEW LIGHT FIXTURE
- NEW 2x4 RECESSED LIGHT FIXTURE
- NEW WALL MOUNTED LIGHT FIXTURE

MECHANICAL (REFER M-SHEETS FOR SIZES)

- HVAC SUPPLY DIFFUSER
- HVAC RETURN DIFFUSER
- HVAC SLOT DIFFUSER
- HVAC EXHAUST GRILLE
- ACCESS PANEL

MISCELLANEOUS

- SD SMOKE DETECTOR
- SPEAKER
- EXIT LIGHT
- CAMERA
- FA FIRE ALARM
- SP SPEAKER
- MD MOTION DETECTOR
- SPRINKLER
- EMERGENCY FIRE STROBE



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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

REFLECTED CEILING PLAN - AREA B - LEVEL 01

5.05B

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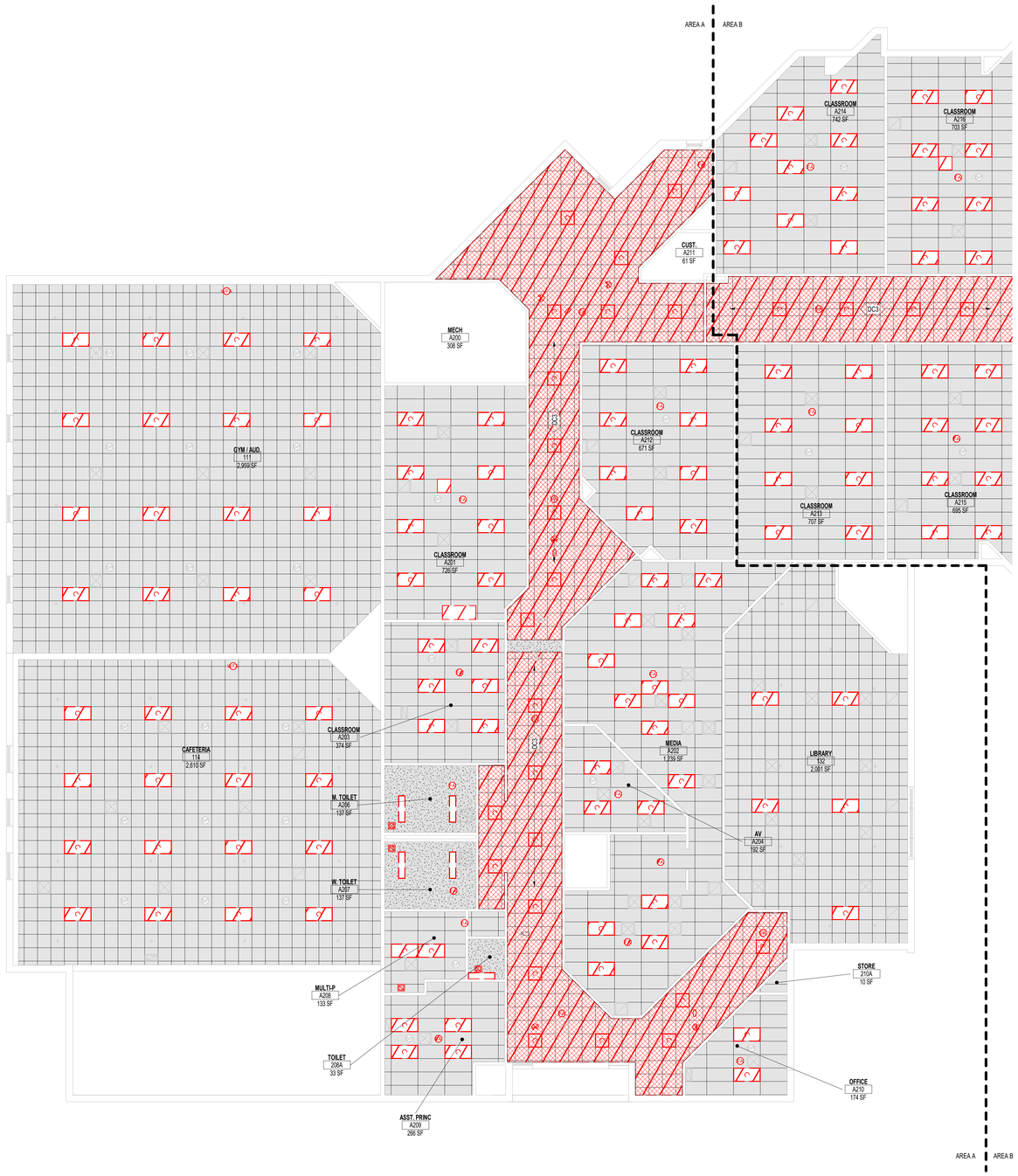


1 DEMOLITION REFLECTED CEILING PLAN - AREA A - LEVEL 02

1/8" = 1'-0"

NORTH

GENERAL DEMOLITION REFLECTED CEILING PLAN NOTES:

A. SEE DEMOLITION PLAN AND MEP DRAWINGS FOR ADDITIONAL SCOPE OF WORK.
B. CEILING TILES, CEILING GRIDS, LIGHTS AND CEILING DEVICES SHOWN HATCHED OR DOUBLE HATCHED ARE TO BE REMOVED. REMOVE ALL DEVICES MOUNTED ASSOCIATED WITH DEMOLISHED CEILINGS. RETURN ALL EQUIPMENT AND DEVICES NOT RE-USED TO OWNER. STORE ALL OTHER DEVICES AND REINSTALL WITHIN THE GENERAL AREA FROM WHICH THEY WERE REMOVED.
C. DEMOLISH AND REMOVE AND UNUSED ELECTRICAL, PLUMBING, AND HVAC ITEMS INCLUDING CONDUIT, PIPING, DUCTWORK, ETC.

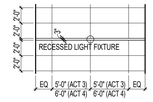
DEMO RCP PLAN NOTES BY NUMBER (DC#)

DC1 REMOVE EXISTING VENT HOOD.
DC2 REMOVE CEILING AND ALL CEILING MOUNTED DEVICES.
DC3 REMOVE EXISTING CEILING AND CEILING MOUNTED DEVICES - ADD ALTERNATE #1

REFLECTED CEILING PLAN LEGEND

CEILINGS

- EXISTING ACOUSTICAL TILE CEILING (24X24)
- EXISTING ACOUSTICAL TILE CEILING (24X24) TO BE REMOVED
- EXISTING VINYL TILE CEILING (24X48) TO BE REMOVED
- EXISTING GYPSUM CEILING - PAINTED
- EXISTING GYPSUM CEILING - PAINTED TO BE REMOVED
- NO CEILING



INTEGRATED CEILING ASSEMBLY(SPECIALTY SIZE)

LIGHTS (REFER E-SHEETS FOR SIZES)

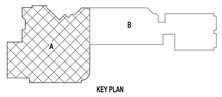
- 1x4 RECESSED LIGHT FIXTURE TO BE REMOVED
- LIGHT FIXTURE TO BE REMOVED
- 2x4 RECESSED LIGHT FIXTURE TO BE REMOVED
- 1x4 WALL MOUNTED LIGHT FIXTURE TO BE REMOVED
- WALL PACK TO BE REMOVED
- DOWNLIGHT TO BE REMOVED
- SUSPENDED STRIP LIGHT FIXTURE TO BE REMOVED
- SUSPENDED STRIP LIGHT FIXTURE TO BE REMOVED
- PENDANT LIGHT FIXTURE TO BE REMOVED

MECHANICAL (REFER M-SHEETS FOR SIZES)

- HVAC SUPPLY DIFFUSER TO BE REMOVED
- HVAC RETURN DIFFUSER TO BE REMOVED

MISCELLANEOUS

- WFA WALL MOUNTED FIRE ALARM TO BE REMOVED
- SD SMOKE DETECTOR TO BE REMOVED
- EXIT LIGHT TO BE REMOVED
- CAMERA TO BE REMOVED
- FA FIRE ALARM TO BE REMOVED
- SP SPEAKER TO BE REMOVED
- WALL PACK TO BE REMOVED
- WEL WALL MOUNTED EMERGENCY LIGHT TO BE REMOVED
- MD MOTION DETECTOR TO BE REMOVED
- SPRINKLER TO BE REMOVED
- EMERGENCY FIRE STROBE TO BE REMOVED



KEY PLAN

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330 NORTH MARSALIS AVE, DALLAS, TX 75203

REFLECTED CEILING PLAN - DEMOLITION - AREA A - LEVEL 02

5.06A

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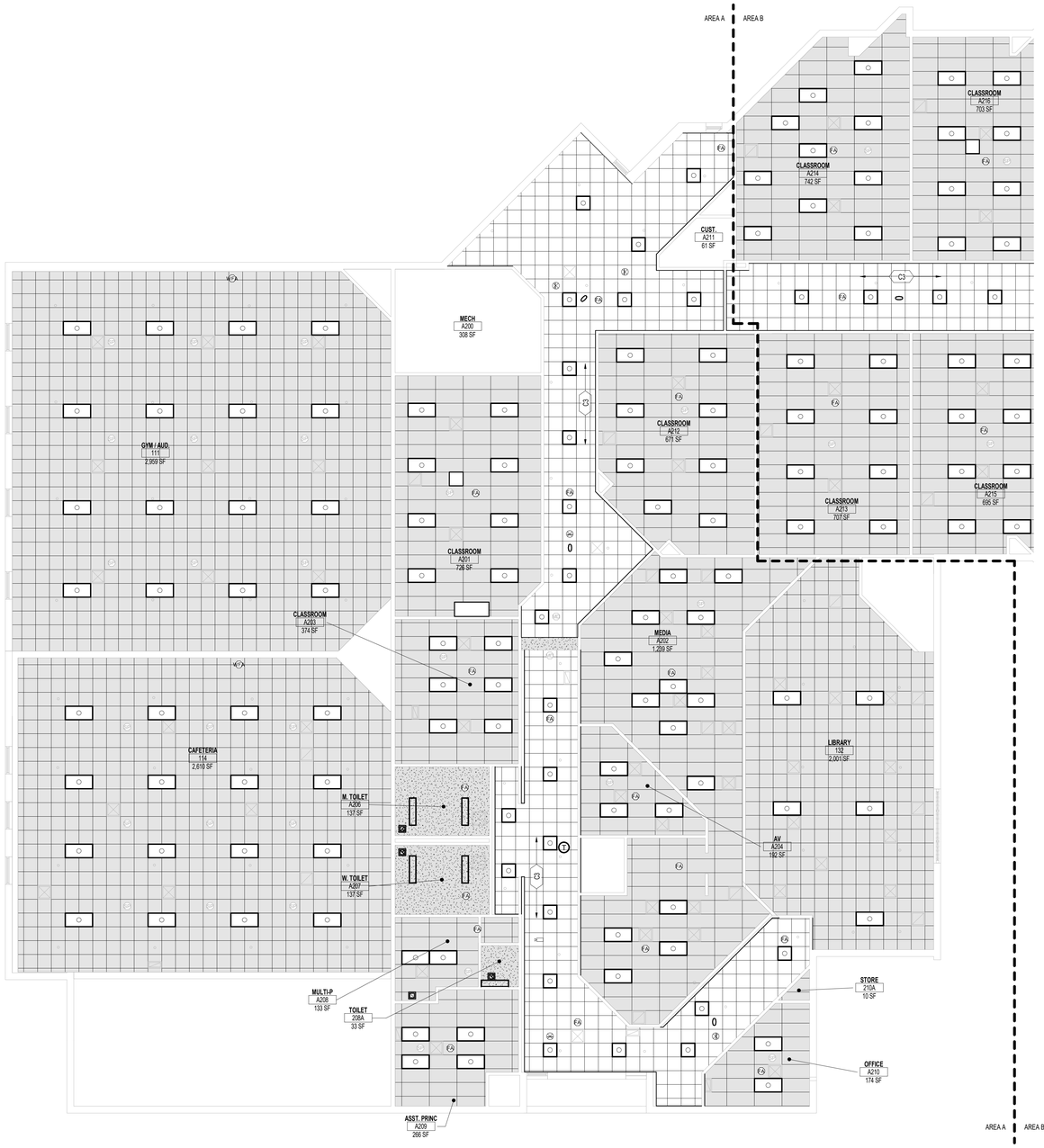


1 REFLECTED CEILING PLAN - AREA A - LEVEL 02
1/8" = 1'-0"

NORTH

REFLECTED CEILING PLAN NOTES:

A. LIGHT FIXTURES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN.

B. CEILING DIFFUSERS, RETURN AIR GRILLES, AND EXHAUST FAN INTAKES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN

C. ALL GYPSUM BOARD SOFFITS AND BULKHEADS ARE TO ALIGN WITH ADJACENT SUSPENDED CEILING SYSTEMS, UNLESS NOTED OTHERWISE.

D. SUSPENDED CEILING TILES IN EACH ROOM ARE TO BE CONFIGURED SUCH THAT NO LESS THAN ONE-HALF A BORDER TILE EXISTS ADJACENT TO ANY ROOM WALL, UNLESS NOTED OTHERWISE.

E. CEILINGS IN ELECTRICAL ROOMS, TELEPHONE ROOMS, MECHANICAL ROOMS & OTHER SIMILAR SPACES ARE EXPOSED TO STRUCTURE ABOVE UNLESS NOTED OR SCHEDULED OTHERWISE.

F. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHT FIXTURE SPECIFIC INFORMATION.

G. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL DIFFUSER SPECIFIC INFORMATION.

H. FINISHED CEILING HEIGHT IS **9'-0"** UNLESS NOTED OTHERWISE.

GENERAL ACOUSTICAL NOTES

1. EXTEND ALL WALLS AND INSTALL SOUND ATTENUATION BATTS BETWEEN STUDS FROM FINISH FLOOR TO FLOOR/ROOF DECK ABOVE AROUND ROOMS LISTED BELOW TO PROVIDE A CONTINUOUS VERTICAL ACOUSTICAL ENVELOPE.

   ROOMS WITH WALLS TO DECK WITH ACOUSTICAL BLANKET FULL HEIGHT:
   1. EXISTING ELECTRICAL ROOM
   2. ALL NEW RESTROOMS AND JANITOR ROOMS
   3. ALL NEW EXAM ROOMS
   4. ALL NEW OFFICES
   5. ALL NEW MECHANICAL AND ELECTRICAL ROOMS

   REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS

2. ALL INTERIOR WALLS OF SPECIFIED ROOMS SHALL BE EXTENDED TO ROOF DECK ABOVE AND SEALED AIR-TIGHT. ALL ELECTRICAL BOXES IN THESE WALLS SHALL ALSO BE SEALED AIR-TIGHT.

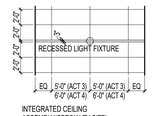
REFLECTED CEILING PLAN NOTES BY NUMBER

C1 INSTALL NEW VENT HOOD AND ANSUL SYSTEM. SEE MECHANICAL DRAWINGS.
C2 INSTALL NEW VINYL FACE CEILING TILES IN ALUMINUM GRID AND NEW CEILING DEVICES.
C3 INSTALL NEW CEILING - ADD ALTERNATE #1

REFLECTED CEILING PLAN LEGEND

CEILINGS

- NEW ACOUSTICAL TILE CEILING (24X24)
- NEW ACOUSTICAL TILE CEILING (24X48), VINYL FACED
- EXISTING CEILING TO REMAIN
- NO CEILING
- GYPSUM CEILING - PAINTED



INTEGRATED CEILING ASSEMBLY(SPECIALTY SIZE)

LIGHTS (REFER E-SHEETS FOR SIZES)

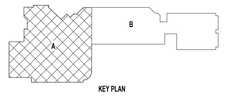
- NEW 2x2 RECESSED LIGHT FIXTURE
- NEW LIGHT FIXTURE
- NEW 2x4 RECESSED LIGHT FIXTURE
- NEW WALL MOUNTED LIGHT FIXTURE

MECHANICAL (REFER M-SHEETS FOR SIZES)

- HVAC SUPPLY DIFFUSER
- HVAC RETURN DIFFUSER
- HVAC SLOT DIFFUSER
- HVAC EXHAUST GRILLE
- ACCESS PANEL

MISCELLANEOUS

- SD SMOKE DETECTOR
- SPEAKER
- EXIT LIGHT
- CAMERA
- FA FIRE ALARM
- SP SPEAKER
- MD MOTION DETECTOR
- SPRINKLER
- EMERGENCY FIRE STROBE
- NEW LED WALL PACK



KEY PLAN

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REFLECTED CEILING PLAN - AREA A - LEVEL 02

5.06B

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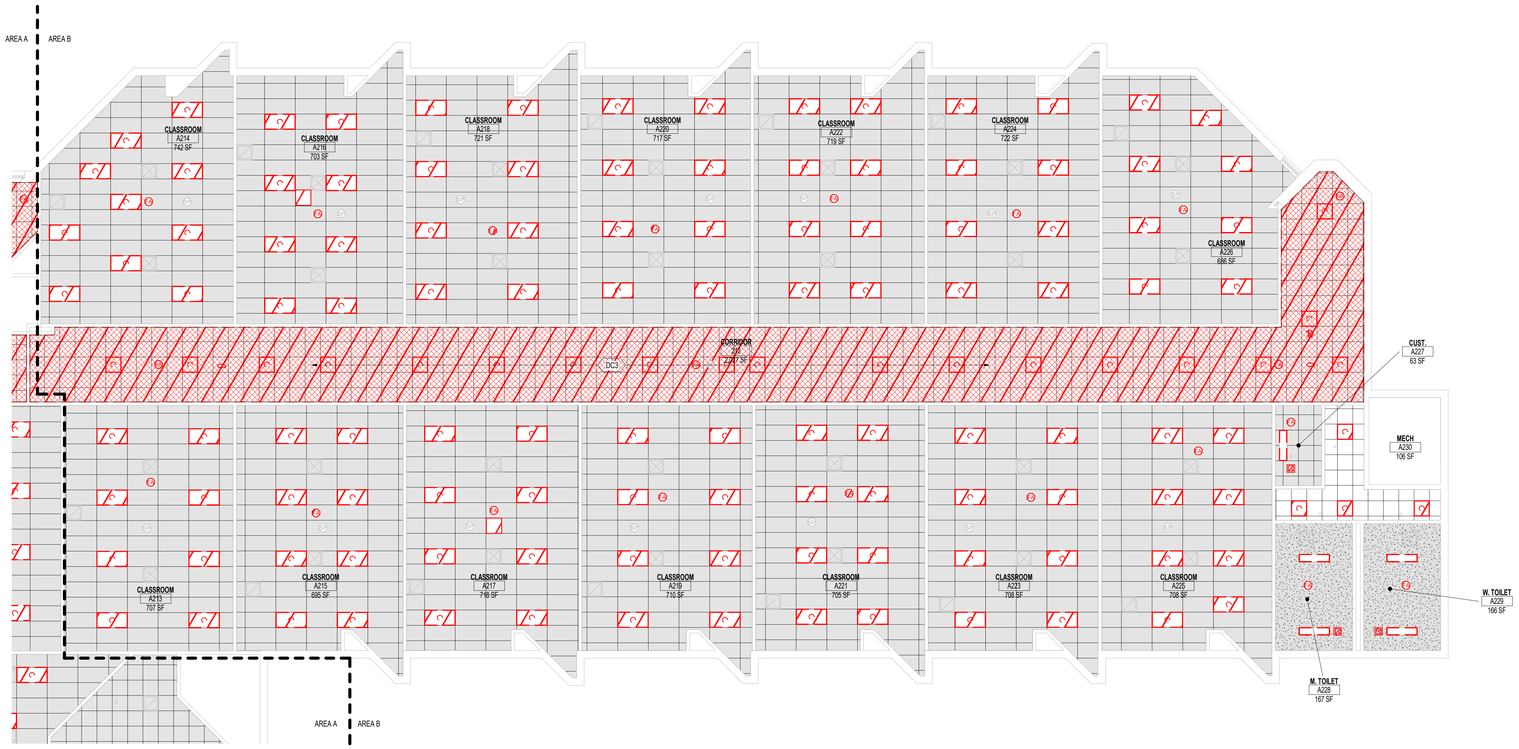

1 DEMOLITION REFLECTED CEILING PLAN - AREA B - LEVEL 02
1/8" = 1'-0"

NORTH

GENERAL DEMOLITION REFLECTED CEILING PLAN NOTES:

A. SEE DEMOLITION PLAN AND MEP DRAWINGS FOR ADDITIONAL SCOPE OF WORK.
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DC1 REMOVE EXISTING VENT HOOD.
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REFLECTED CEILING PLAN LEGEND

CEILINGS

- EXISTING ACOUSTICAL TILE CEILING (24X24)
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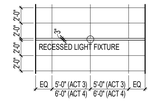

INTEGRATED CEILING ASSEMBLY(SPECIALTY SIZE)

LIGHTS (REFER E-SHEETS FOR SIZES)

- 1x4 RECESSED LIGHT FIXTURE TO BE REMOVED
- LIGHT FIXTURE TO BE REMOVED
- 2x4 RECESSED LIGHT FIXTURE TO BE REMOVED
- 1x4 WALL MOUNTED LIGHT FIXTURE TO BE REMOVED
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MISCELLANEOUS

- WFA WALL MOUNTED FIRE ALARM TO BE REMOVED
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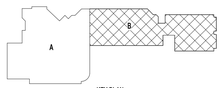

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REVISIONS:

REGISTERED ARCHITECT JAMES E. MCCARTY 24941 STATE OF TEXAS 11-11-24

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REFLECTED CEILING PLAN - DEMOLITION - AREA B - LEVEL 02

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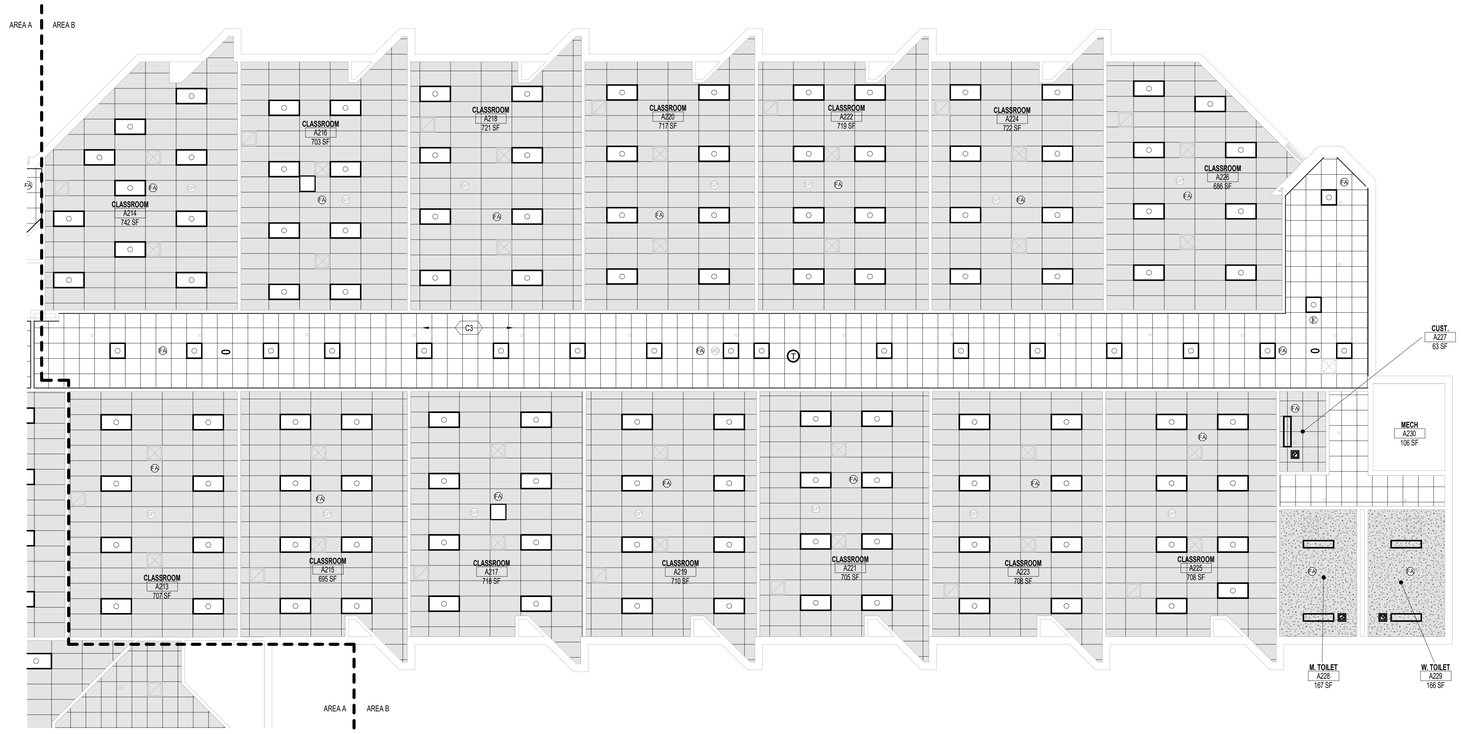

1 REFLECTED CEILING PLAN - AREA B - LEVEL 02

1/8" = 1'-0"

NORTH

REFLECTED CEILING PLAN NOTES:

A. LIGHT FIXTURES LOCATED IN CEILING SYSTEMS SHALL BE LOCATED ACCORDING TO THE ARCHITECTURAL REFLECTED CEILING PLAN.

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D. SUSPENDED CEILING TILES IN EACH ROOM ARE TO BE CONFIGURED SUCH THAT NO LESS THAN ONE-HALF A BORDER TILE EXISTS ADJACENT TO ANY ROOM WALL, UNLESS NOTED OTHERWISE.

E. CEILINGS IN ELECTRICAL ROOMS, TELEPHONE ROOMS, MECHANICAL ROOMS & OTHER SIMILAR SPACES ARE EXPOSED TO STRUCTURE ABOVE UNLESS NOTED OR SCHEDULED OTHERWISE.

F. REFER TO ELECTRICAL DRAWINGS FOR ADDITIONAL LIGHT FIXTURE SPECIFIC INFORMATION.

G. REFER TO MECHANICAL DRAWINGS FOR ADDITIONAL DIFFUSER SPECIFIC INFORMATION.

H. FINISHED CEILING HEIGHT IS **9'-0"** UNLESS NOTED OTHERWISE.

GENERAL ACOUSTICAL NOTES

1. EXTEND ALL WALLS AND INSTALL SOUND ATTENUATION BATTS BETWEEN STUDS FROM FINISH FLOOR TO FLOOR/ROOF DECK ABOVE AROUND ROOMS LISTED BELOW TO PROVIDE A CONTINUOUS VERTICAL ACOUSTICAL ENVELOPE.

   ROOMS WITH WALLS TO DECK WITH ACOUSTICAL BLANKET FULL HEIGHT:
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   2. ALL NEW RESTROOMS AND JANITOR ROOMS
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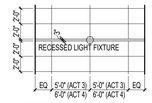
REFLECTED CEILING PLAN NOTES BY NUMBER

C1 INSTALL NEW VENT HOOD AND ANSUL SYSTEM. SEE MECHANICAL DRAWINGS.
C2 INSTALL NEW VINYL FACE CEILING TILES IN ALUMINUM GRID AND NEW CEILING DEVICES.
C3 INSTALL NEW CEILING - ADD ALTERNATE #1

REFLECTED CEILING PLAN LEGEND

CEILINGS

- NEW ACOUSTICAL TILE CEILING (24X24)
- NEW ACOUSTICAL TILE CEILING (24X48), VINYL FACED
- EXISTING CEILING TO REMAIN
- NO CEILING
- GYPSUM CEILING - PAINTED



INTEGRATED CEILING ASSEMBLY(SPECIALTY SIZE)

LIGHTS (REFER E-SHEETS FOR SIZES)

- NEW 2x2 RECESSED LIGHT FIXTURE
- NEW LIGHT FIXTURE
- NEW 2x4 RECESSED LIGHT FIXTURE
- NEW WALL MOUNTED LIGHT FIXTURE

MECHANICAL (REFER M-SHEETS FOR SIZES)

- HVAC SUPPLY DIFFUSER
- HVAC RETURN DIFFUSER
- HVAC SLOT DIFFUSER
- HVAC EXHAUST GRILLE
- ACCESS PANEL

MISCELLANEOUS

- SD SMOKE DETECTOR
- SPEAKER
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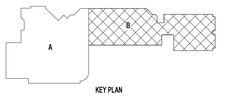
- SP SPEAKER
- MD MOTION DETECTOR
- SPRINKLER
- EMERGENCY FIRE STROBE
- NEW LED WALL PACK



KEY PLAN

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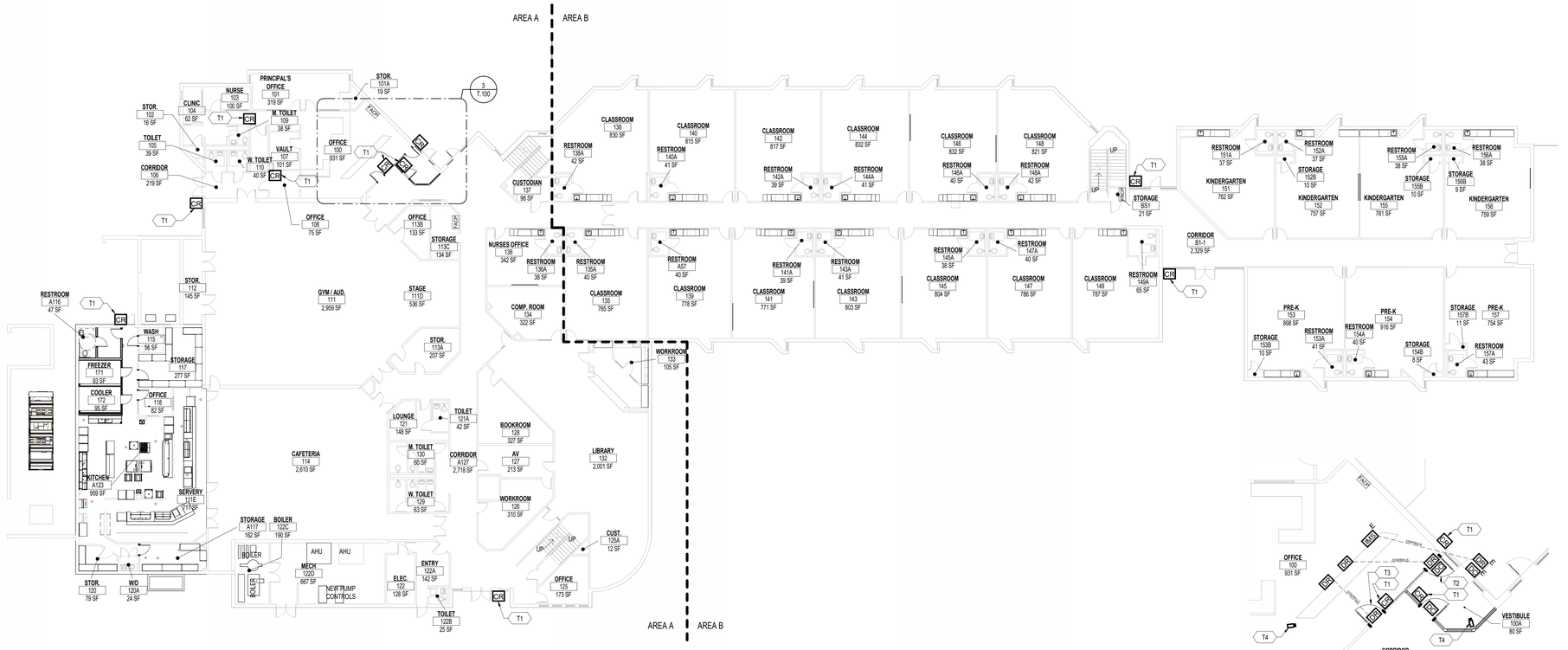
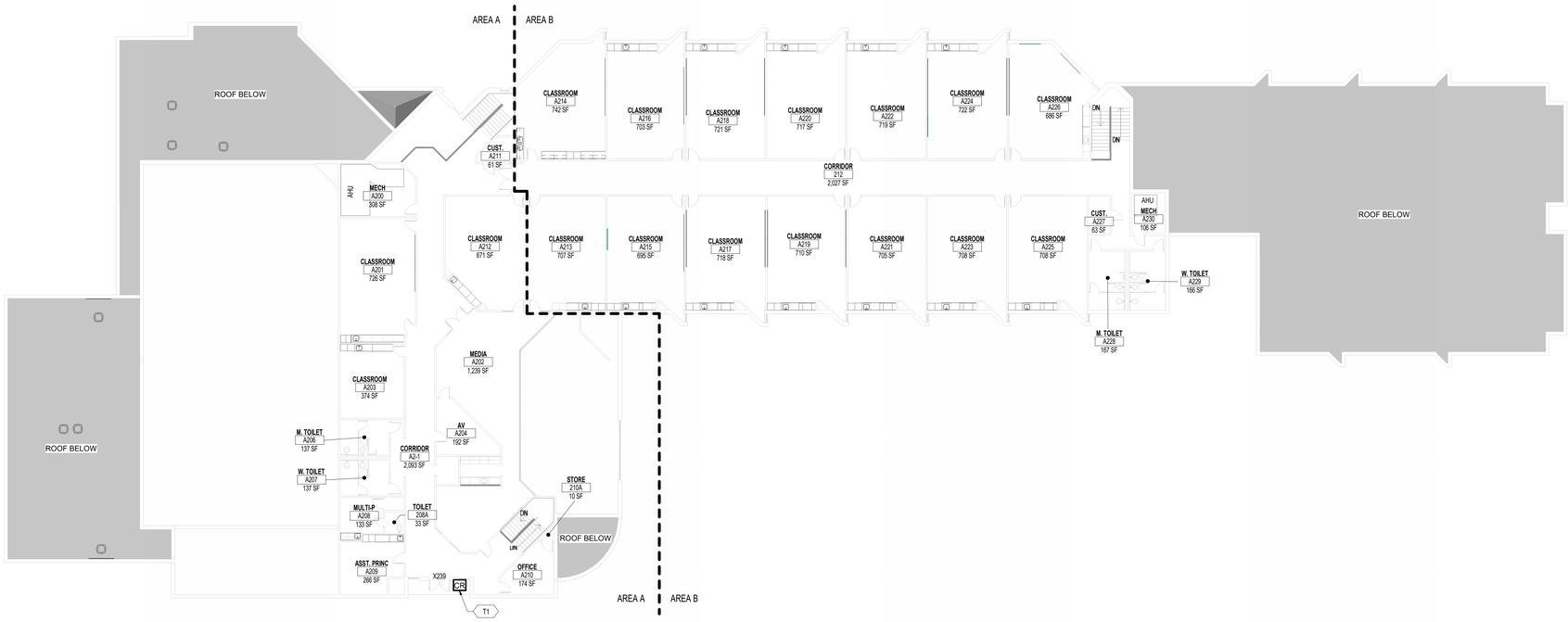


1 OVERALL FIRST FLOOR TECHNOLOGY PLAN
1/16" = 1'-0"

NORTH

3 ENLARGED RECEPTION TECHNOLOGY PLAN
1/8" = 1'-0"

NORTH



2 OVERALL SECOND FLOOR TECHNOLOGY PLAN
1/16" = 1'-0"

NORTH

TECHNOLOGY SYMBOLS LEGEND

NOTE THAT ALL SYMBOLS WITH (E) ARE EXISTING TO REMAIN. ALL SYMBOLS WITH XX' ARE TO BE INSTALLED AT THAT INDICATED HEIGHT ABOVE FINISHED FLOOR.

TELECOMMUNICATIONS

- DATA OUTLET
  - "X" REF. DATA MOUNTING HEIGHT CODES TABLE (BLANK: 18")
  - "Y" REF. DATA DEVICE TYPE CODE TABLE (BLANK: WORK ARE OUTLET)
  - "Z" DENOTES CABLE QUANTITY (BLANK: 2)

PUBLIC ADDRESS / INTERCOM

- SP-1 — ONE-WAY SPEAKER, CEILING MOUNTED
- SP-1W — ONE-WAY SPEAKER, WEATHERPROOF WALL MOUNT
- SP-2 — TWO-WAY SPEAKER, CEILING MOUNTED
- CB — CALL-IN BUTTON
- WALL CLOCK
- WAP — WIRELESS ACCESS POINTS WALL MOUNT

SECURITY

- 360° — MOTION DETECTOR (CEILING MOUNTED - 360° DETECTION)
- 180° — MOTION DETECTOR (CEILING MOUNTED - 180° DETECTION)
- CR — ACCESS CONTROL CARD READER
- KP — ACCESS CONTROL KEYPAD
- DP — DOOR POSITION
- DC — DOOR CONTROL
- IMS — 'EXISTING SECURITY FIXTURE'
- DR — DOOR RELEASE
- DB — DURESS CALL BUTTON
- NEW CAMERA
  - "Y" REF. TYPE OF CAMERA, SEE BELOW
    - F FIXED FOCAL
    - VF VARIABLE FOCAL
    - PTZ PAN TILT ZOOM
    - PAN PANORAMIC
    - 360° 360° DEGREE (FISH EYE LENS)
    - LR LONG RANGE
    - IR INFRARED / NIGHT VISION
  - "Z" REF. IMAGE QUALITY
    - 720, 1080, 4MP, 4K

TECHNOLOGY FLOOR PLAN NOTES BY NUMBER

T1 LOCATION OF NEW CARD READER. INSTALL BACK BOX AND CONDUIT WITH PULL CORD FROM CARD READER TO ABOVE CEILING AT THE NEAREST LAY-IN CEILING TILE FOR CONVENIENT ACCESS.

T2 DOOR RELEASED FOR ENTRY FROM RECEPTION DESK. FREE EGRESS FROM RECEPTION TO VESTIBULE.

T3 DOOR RELEASED FROM RECEPTION DESK FOR ENTRY INTO SCHOOL. FREE ENTRY INTO RECEPTION FROM SCHOOL HALL.

T4 NEW SECURITY CAMERA.

COMM. NO.	1288
DATE	11/11/24
DRAWN	DE
CHECKED	TM

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

LBL ARCHITECTS
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FAX (817) 265-1582
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TBAE FIRM # BR 1330

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE., DALLAS, TX 75203

OVERALL TECHNOLOGY PLANS

T.100

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Autodesk Docs://DISD James Bowie ES/ 1288 DISD James Bowie ES_R24.rvt

GENERAL CONDITIONS

1. BUILDING AND DESIGN CODES:
   A. INTERNATIONAL BUILDING CODE (2021)
   B. AISC MANUAL OF STEEL CONSTRUCTION, 14TH EDITION, ALLOWABLE STRESS DESIGN AND CODE OF STANDARD PRACTICE
   C. SJI RECOMMENDED CODE OF STANDARD PRACTICE FOR STEEL JOISTS AND JOIST GIRDERS, THE LATEST EDITION

2. DESIGN LOADS:

A.	LIVE LOADS:	UNIFORM
	ROOF	20
B.	DEAD LOADS:	
	ROOF DEAD LOAD	20
C.	WIND LOADS:	
	3 SECOND GUST WIND SPEED:	105 MPH IN 3 SECOND GUSTS
	EXPOSURE:	C
	IMPORTANCE FACTOR:	1.0
	INTERNAL PRESSURE COEFFICIENT:	Gcp=+/- 0.18
D.	SNOW LOADS:	
	Pg = 5 PSF	
	Pr = 3.5 PSF	

3. GENERAL REQUIREMENTS:
   A. VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO BEGINNING WORK OR FABRICATING MATERIALS. NOTIFY A/E OF DISCREPANCIES BEFORE PROCEEDING WITH ANY PHASE WORK.
   B. DO NOT SCALE DRAWINGS FOR THE PURPOSE OF ESTABLISHING DIMENSIONS.

STRUCTURAL STEEL

1. PROVIDE STRUCTURAL STEEL OF THE FOLLOWING ASTM DESIGNATIONS UNLESS NOTED OTHERWISE:
   A. EDGE ANGLES, BENT PLATES, HANGERS AND BRACES: ASTM A 36
2. WELD MINIMUM SIZE AND STRENGTH:
   A. PROVIDE MINIMUM SIZE OF FILLET WELDS AS SPECIFIED IN TABLE J2.4 OF THE AISC MANUAL.
   B. PROVIDE MINIMUM EFFECTIVE THROAT THICKNESS OF PARTIAL PENETRATION GROOVE WELDS AS SPECIFIED IN TABLE J2.3 OF THE AISC MANUAL.
   C. DEVELOP THE FULL TENSILE STRENGTH OF THE MEMBER ELEMENT JOINED, ON ALL SHOP AND FIELD WELDS, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
   D. PROVIDE ELECTRODES FOR FIELD OR SHOP WELDING THAT CONFORM TO ASTM A 233 (CLASS 70).
3. STEEL FABRICATION:
   A. FABRICATE AND ASSEMBLE STRUCTURAL MEMBERS/ASSEMBLIES IN SHOP TO GREATEST EXTENT POSSIBLE.
   B. SPLICING OF STRUCTURAL STEEL MEMBERS IS PROHIBITED WITHOUT PRIOR APPROVAL BY THE ENGINEER.
   C. FABRICATOR SHALL BE RESPONSIBLE FOR ALL ERRORS OF DETAILING ON THE SHOP DRAWINGS, ERRORS IN FABRICATION, AND THE CORRECT FITTING OF STRUCTURAL STEEL MEMBERS.
   D. CONFORM TO THE AISC CODE OF STANDARD PRACTICE, FOR ERECTION TOLERANCES. FIELD MODIFICATION TO STRUCTURAL STEEL IS PROHIBITED WITHOUT PRIOR APPROVAL BY THE ENGINEER.
   E. CLEAN STEEL OF RUST, LOOSE MILL SCALE AND OTHER FOREIGN MATERIALS WHERE REQUIRED FOR FABRICATION, FITTING UP, OR WELDING.
   F. DO NOT CUT STRUCTURAL STEEL MEMBERS FOR THE WORK OF OTHER TRADES WITHOUT PRIOR REVIEW AND APPROVAL OF THE ENGINEER.
4. WELDS SHALL BE CONSIDERED TO BE CONTINUOUS UNLESS NOTED OTHERWISE.

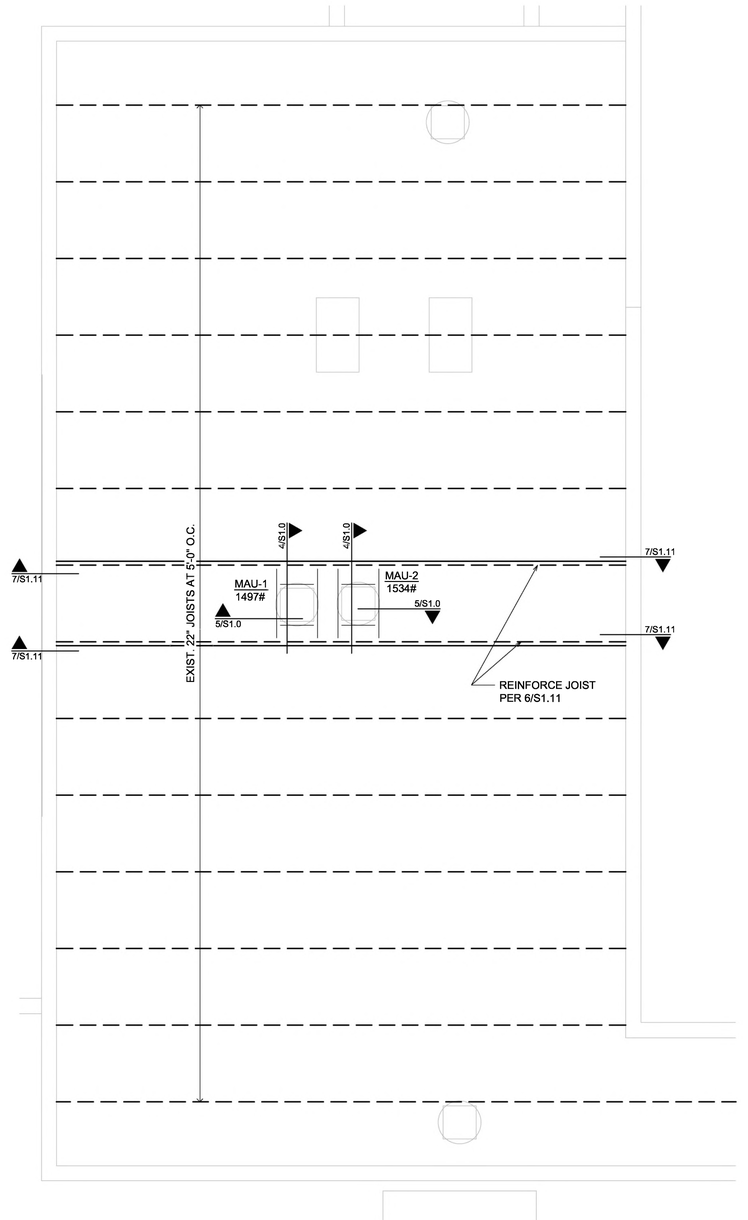
MECHANICAL ROOF TOP UNIT COORDINATION

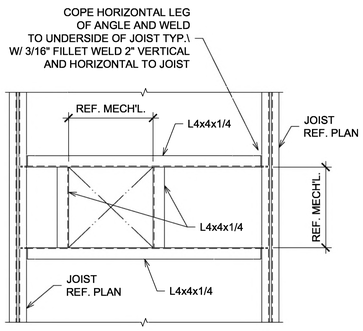
1. OWNER TO ENSURE THAT EACH RTU, ROOF OPENINGS, AND DUCT DROPS ARE INSTALLED PER MANUFACTURER'S INSTRUCTIONS. THE RTU SUPPLY AND RETURN OPENINGS NEED TO LINE UP WITH THE ROOF OPENINGS, AND EACH DUCT DROP MUST BE FULL SIZE OF EACH OPENING WITHOUT ANY OBSTRUCTIONS.

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

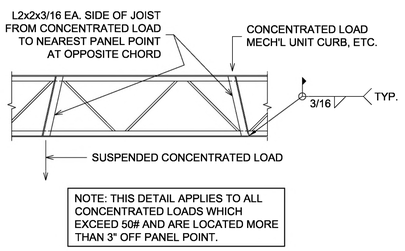
FRAMING NOTES:

1. FIELD VERIFY ALL DIMENSIONS AND COORDINATE WITH ARCHITECTURAL DRAWINGS.
2. CHICAGO CLAMP CO. FRAMES MAY BE SUBMITTED AS A NON-WELDED ALTERNATE TO THIS DESIGN, REF. S1.12. SUBMITTAL SHALL BE APPROVED BY EOR PRIOR TO INSTALLATION.
3. REFER TO 2/S1.11 AND 3/S1.11 FOR MAU SUPPORT INFORMATION.

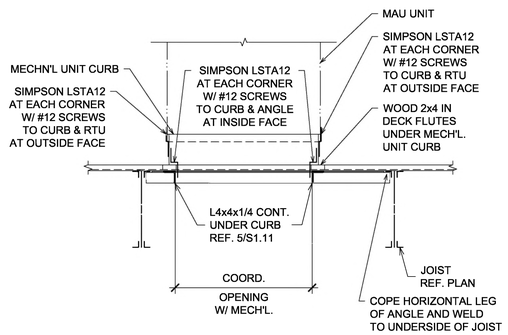




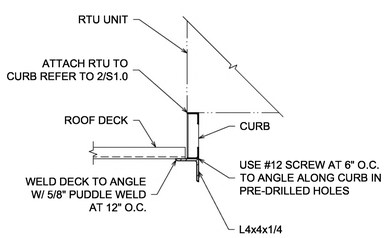
2 TYPICAL FRAME AT ROOF OPENING
SCALE: 3/4" = 1'-0"



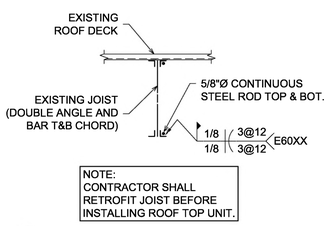
3 BRACING AT CONCENTRATED LOADS
SCALE: 3/4" = 1'-0"



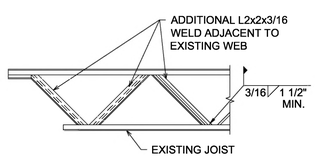
4 TYPICAL MECH'L. UNIT CURB SUPPORT
SCALE: 3/4" = 1'-0"



5 STRUCTURAL CURB ATTACHMENTS
SCALE: 3/8" = 1'-0"



6 RETROFIT DETAIL FOR JOIST
SCALE: 3/4" = 1'-0"



7 TYPICAL JOIST REINFORCEMENT
SCALE: 3/4" = 1'-0"

COMM. NO.	1288
DATE	11/06/24
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CHECKED	P.L.

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ONE INCH

REVISIONS:

Digitally signed by Philippe Lalonde
Date: 2024.11.06 13:07:41 -06'00'

STATE OF TEXAS
PHILIPPE J. LALONDE
89364
REGISTERED PROFESSIONAL ENGINEER

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY PHILIPPE J. LALONDE, P.E. 89364 (COA# F-7978) ON NOV. 6, 2024.

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT
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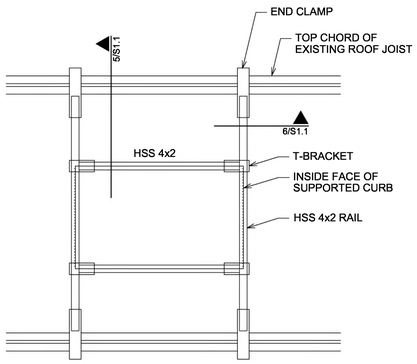
817-886-3085
plalonde@integrity-engineering-solutions.com
IES Project #24-PDA001

RTU PLAN & DETAILS

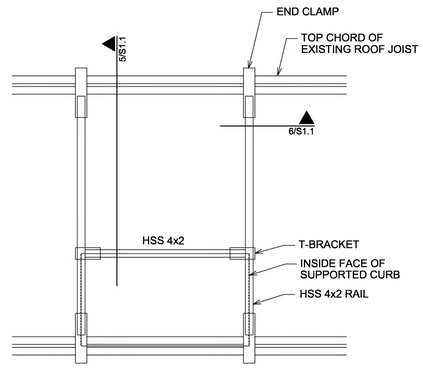
S1.11



1 ROOF CURB FRAMING PLAN
SCALE: 3/4" = 1'-0"

FRAMING NOTES:

1. FIELD VERIFY ALL DIMENSIONS AND COORDINATE WITH ARCHITECTURAL DRAWINGS.
2. JOIST GRIP FRAMING CLAMP SYSTEM SHOWN IS MANUFACTURED AND SOLD BY CHICAGO CLAMP CO., BROADVIEW, ILLINOIS; PHONE 708-343-8311.
3. REFER TO THE CHICAGO CLAMP PRODUCT BROCHURE FOR INSTALLATION GUIDELINES AND ADDITIONAL INFORMATION.
4. REF. 8/S1.1 FOR COMPONENT CAPACITIES.
5. T.O. STEEL = T.O. JOISTS



2 ROOF CURB FRAMING PLAN
SCALE: 3/4" = 1'-0"

FRAMING NOTES:

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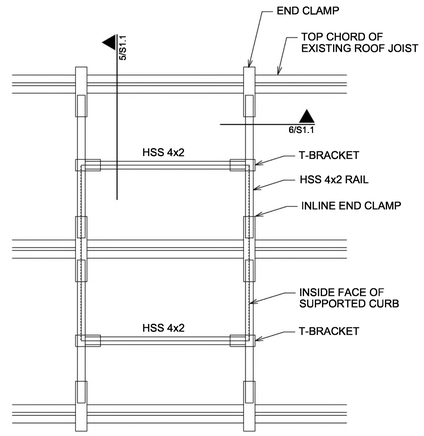
4. REF. 8/S1.1 FOR COMPONENT CAPACITIES.
5. T.O. STEEL = T.O. JOISTS



3 ROOF CURB FRAMING PLAN
SCALE: 3/4" = 1'-0"

FRAMING NOTES:

1. FIELD VERIFY ALL DIMENSIONS AND COORDINATE WITH ARCHITECTURAL DRAWINGS.
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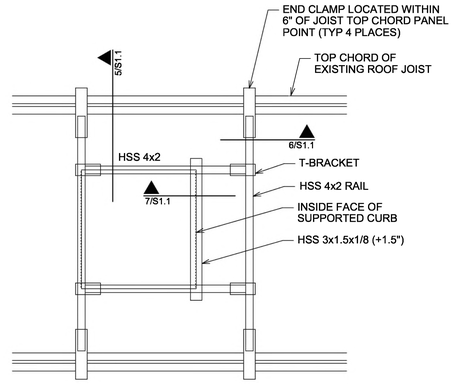
3. REFER TO THE CHICAGO CLAMP PRODUCT BROCHURE FOR INSTALLATION GUIDELINES AND ADDITIONAL INFORMATION.
4. REF. 8/S1.1 FOR COMPONENT CAPACITIES.
5. T.O. STEEL = T.O. JOISTS



4 ROOF CURB FRAMING PLAN
SCALE: 3/4" = 1'-0"

FRAMING NOTES:

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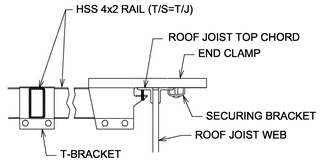
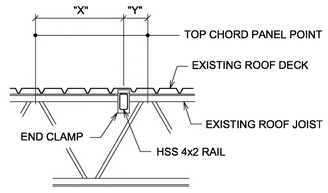
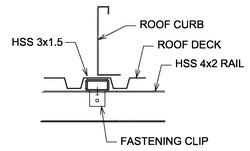


5 ROOF FRAMING SECTION
SCALE: 3/4" = 1'-0"



NOTE: HSS 4x2 RAILS SHALL BE POSITIONED SO THAT EITHER DIMENSION "X" OR "Y" IS LESS THAN OR EQUAL TO 6 INCHES. WHERE SUCH AN ARRANGEMENT IS NOT POSSIBLE, REFER TO FRAMING PLAN "D"

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



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

CHICAGO CLAMP CO
ALLOWABLE LOAD (LB) VS. SPAN

TUBE SIZE (IN.)	LOAD TYPE	SPAN (FT.)					
		3	4	5	6	7	8
HSS4x2x1/8	CONCENTRATED	2000	2000	2000	2000	1801	1572
	UNIFORM	2000	2000	2000	2000	2000	2000
HSS4x2x3/16	CONCENTRATED	2000	2000	2000	2000	2000	2000
	UNIFORM	2000	2000	2000	2000	2000	2000

COMPONENT CAPACITIES ALLOWABLE LOAD (LBS.)	DOWNLOAD POSITIVE	UPLIFT NEGATIVE
JOIST GRIP END CLAMP	1000	1000
T-BRACKET	1000	1000
INLINE END CLAMP	1000	1000
GIRDER CLAMP	1000	-
CROSS SUPPORT BRACKET	1000	-

NOTES:
1. ALLOWABLE CONCENTRATED LOAD AT MIDDLE OF SPAN. ALLOWABLE LOADS ARE NET (WEIGHT OF TUBE HAS BEEN ACCOUNTED FOR.)
2. MULTIPLE LOADS, THAT ARE SYMMETRICALLY PLACED AND WHOSE TOTAL EQUALS THE TABULATED VALUE, MAY BE USED.
3. THE REACTION TO EACH CLAMP BRACKET MUST BE LIMITED TO A NET VALUE OF THE CLAMP'S CHARTED CAPACITY.
4. ALLOWABLE LOADS HAVE BEEN LIMITED TO 2000 LBS MAXIMUM.
5. ALLOWABLE LOADS ARE BASED ON 46 KSI MINIMUM YIELD STEEL (A500, GR. B) THE AISC SPECIFICATION AND A SAFETY FACTOR OF 2.0.
6. TUBE'S 4" DIMENSION IS VERTICAL. SPAN IS HORIZONTAL.
7. TUBE WEIGHTS: 4.75 LB./FT FOR 1/8" WALL, AND 6.87 LBS/FT FOR 3/16" WALL. WEIGHTS AND THICKNESSES ARE NOMINAL.

8 ALLOWABLE LOAD TABLE
SCALE: 3/4" = 1'-0"

IES INTEGRITY ENGINEERING SOLUTIONS, LLC
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817-886-3085
plalonde@integrity-engineering-solutions.com
IES Project #24-PDA001

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CHECKED	P.L.

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ONE INCH

REVISIONS:

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STATE OF TEXAS
PHILIPPE J. LALONDE
95084
REGISTERED PROFESSIONAL ENGINEER

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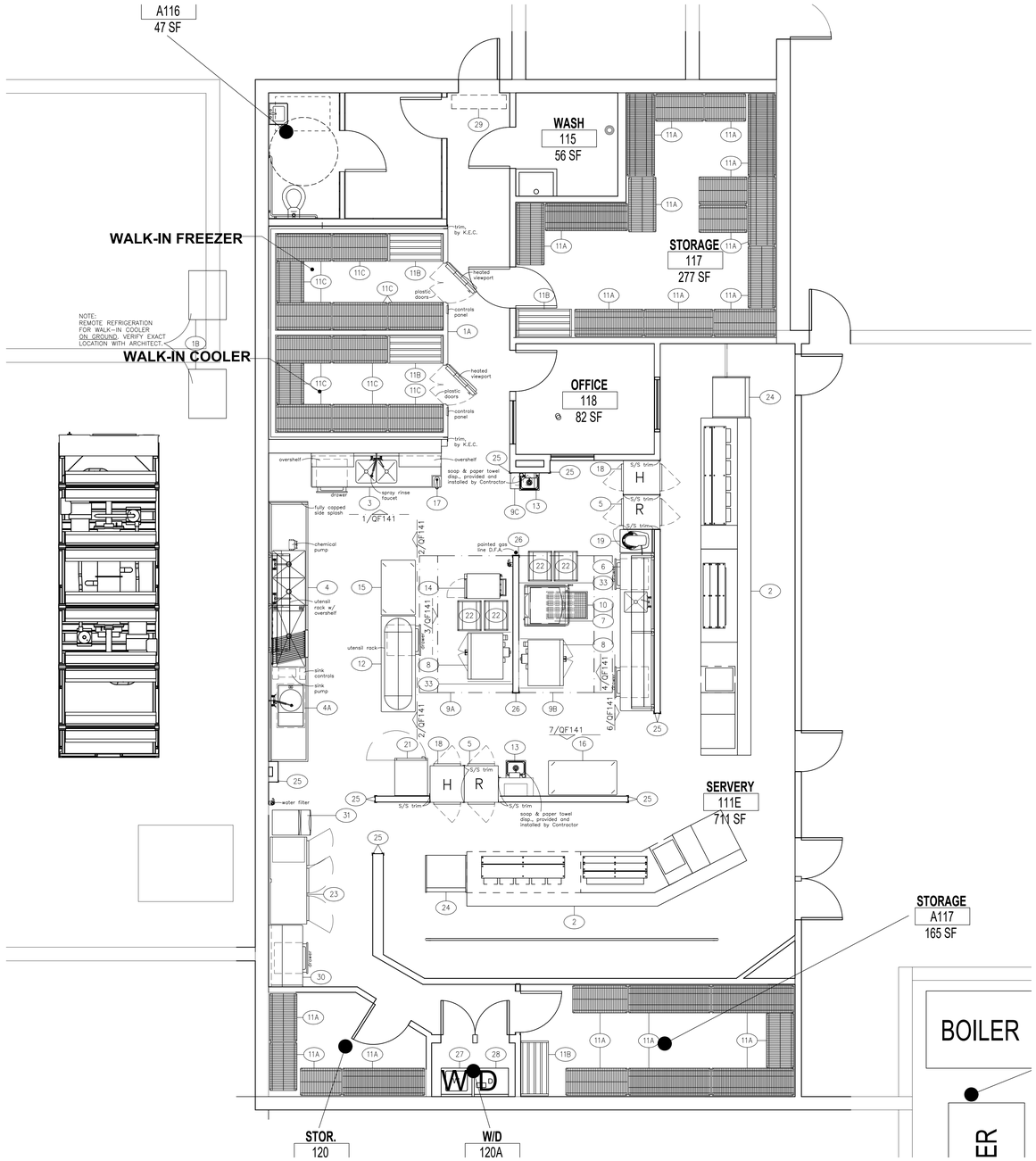
RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT
JAMES BOWIE ELEMENTARY SCHOOL
330 NORTH MARSALIS AVE, DALLAS, TX 75203

CHICAGO CLAMP CO. ALTERNATE DETAILS

S1.12

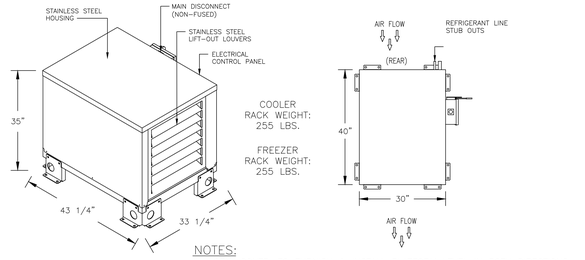


1 KITCHEN RENOVATION PLAN
QF101 SCALE: 1/4" = 1'-0"

EQUIPMENT LEGEND

- 1A. WALK-IN COOLER / FREEZER
- 1B. REMOTE REFRIGERATION SYSTEM
- * 2. SERVING LINE 1 & 2
- 3. PREP TABLE W/ 2-COMPARTMENT SINK
- 4. POWER SOAK 3 COMPARTMENT SINK
- 4A. POT & PAN COLLECTOR W/ SPRAY RINSE FAUCET
- ● 5. PASS-THRU REFRIGERATOR
- 6. WORK TABLE W/ UTENSIL RACK
- ● 7. 30 GALLON TILT SKILLET
- ● 8. DOUBLE CONVECTION OVEN
- 9A. EXHAUST HOOD
- 9B. EXHAUST HOOD
- 9C. FIRE PROTECTION SYSTEM
- 10. FLOOR TROUGH W/GRATE
- ●11A. STORAGE SHELVING UNIT
- ●11B. DUNNAGE RACK
- ●11C. WALK-IN COOLER/ FREEZER SHELVING
- 12. WORK TABLE W/ UTENSIL RACK
- 13. HAND SINK
- ● 14. DOUBLE STACKED STEAMER
- 15. MOBILE WORK TABLE
- 16. MOBILE WORK TABLE
- ● 17. MANUAL CAN OPENER
- ● 18. PASS-THRU HEATED CABINET
- ● 19. 20 QT. MIXER ON STAND
- 20. SPARE NUMBER
- ● 21. HEATER / PROOFER
- ● 22. MOBILE PAN RACK
- ● 23. REACH-IN REFRIGERATOR (3-DOOR)
- ● 24. MILK CABINET
- 25. STAINLESS STEEL CORNER GUARDS
- 26. STAINLESS STEEL END WALL CAP
- ● 27. CLOTHES WASHER
- ● 28. CLOTHES DRYER
- 29. FLY FAN
- 30. WORK TABLE
- ● 31. ICE MAKER W/ BIN
- 32. SPARE NUMBER
- 33. STAINLESS STEEL WALL PANELING

* DENOTES EXISTING EQUIPMENT TO BE REUSED /REINSTALLED
● DENOTES EXISTING EQUIPMENT TO BE OWNER FURNISHED, OWNER INSTALLED



NOTES:
1. GEN. CONTR. TO FURNISH & INSTALL PLATFORM LEVEL IN BOTH DIRECTIONS.
2. GENERAL CONTRACTOR TO BACKFILL OPENINGS WITH HOT PITCH AFTER ALL SERVICES AND REFRIGERATION LINES HAVE BEEN RUN.
3. ALL COVERS FOR ROOF PENETRATIONS TO BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR. REFERENCE MECHANICAL ENGINEER'S DRAWINGS FOR DETAILS.
4. UNIT REQUIRES 36" CLEARANCE ON ALL SIDES FOR ACCESS/MAINTENANCE.

2 WALK-IN COOLER/FREEZER REFRIGERATION PACKAGE DETAIL
QF101 SCALE: NONE

COMM. NO.	1288
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ONE INCH

REVISIONS:

PROJECT STATUS: ISSUE FOR CONSTRUCTION

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE. DALLAS, TX 75203

FOODSERVICE EQUIPMENT PLAN

QF101

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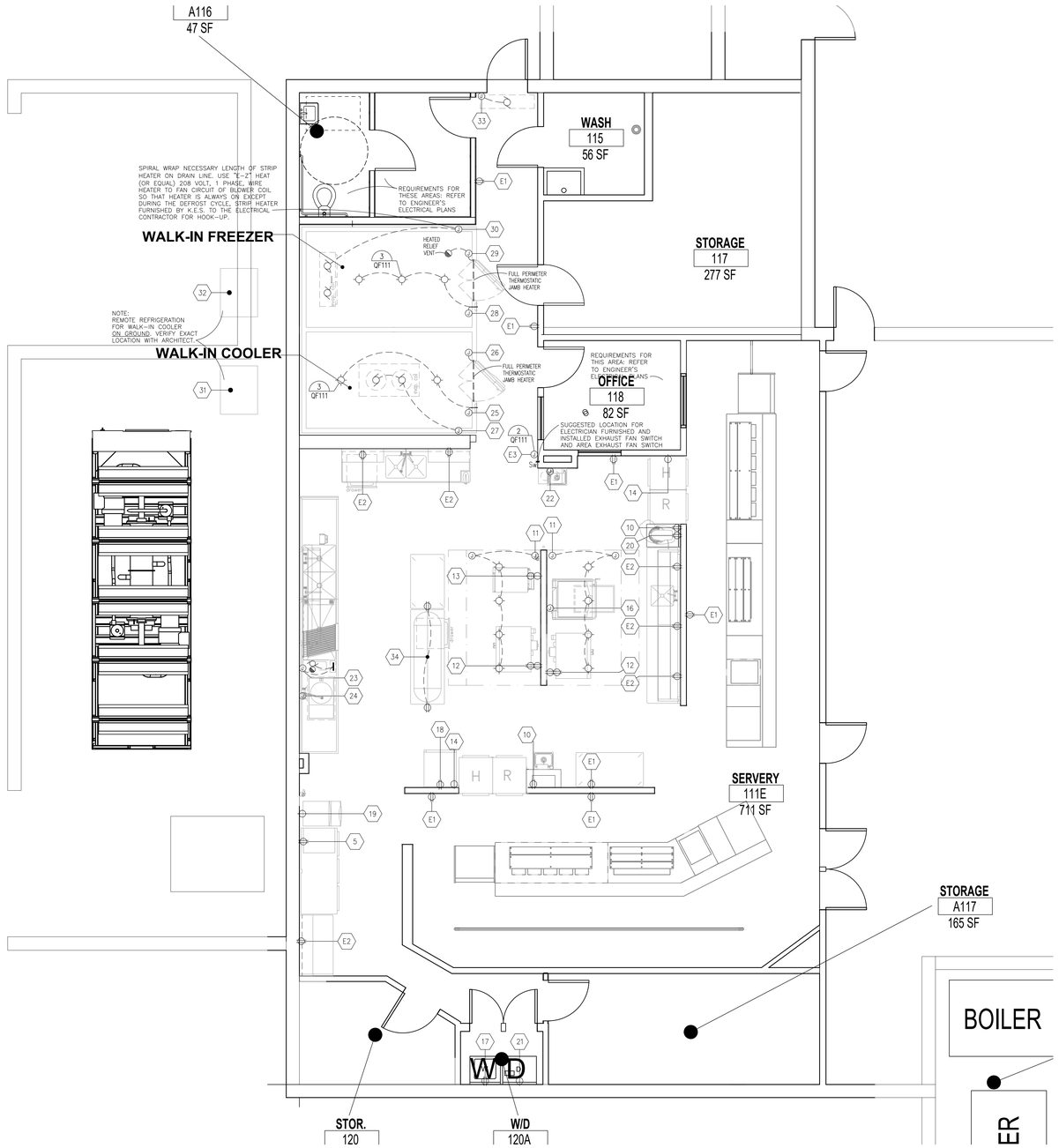

1 FOODSERVICE ELECTRICAL REQUIRMENTS PLAN
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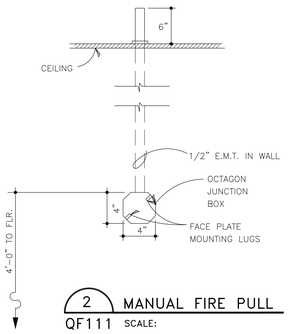
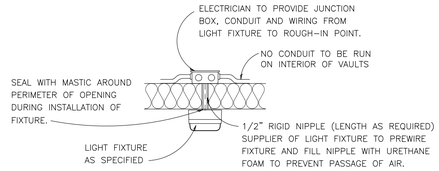


2 MANUAL FIRE PULL
QF111 SCALE:



3 WALK-IN LIGHT DETAIL
QF111 SCALE: NONE

ELECTRICAL LEGEND

E1. 120 VOLT, 1 PHASE, 20.0 AMPS. (RATED), EL. 18" A.F.F., D.C.O. FOR GENERAL USE.

E2. 120 VOLT, 1 PHASE, 20.0 AMPS. (RATED), EL. 48" A.F.F., D.C.O. FOR GENERAL USE.

E3. 4" X 4" OCTAGON JUNCTION BOX WITH 1/2" E.M.T. EXTENDING TO 6" ABOVE CEILING FOR REMOTE EXIT FIRE PULL SET AT 4'-0" ABOVE FINISHED FLOOR. SEE DETAIL 2/QF111.

1. 120 VOLT, 1 PHASE, 7.2 AMPS., EL. 18" A.F.F., D.C.O. FOR MOBILE MILK CABINET.
2. 1" CONDUIT, S.U. 4", EXTEND OPEN CONDUIT UNDER FLOOR, OVER TO WALL, AND UP TO A POINT (MNIMUM 6") ABOVE CEILING LINE FOR OWNER'S P.O.S. WIRING SYSTEM.
3. 120 VOLT, 1 PHASE, 7.3 AMPS., S.U. 4" A.F.F. DEDICATED CIRCUIT FOR P.O.S. SYSTEM. NEMA 5-15P.
4. 120 VOLT, 1 PHASE, 5.8 AMPS., S.U. 4" A.F.F., D.C.O. FOR FROST TOP COUNTER. NEMA 5-15P.
5. 120 VOLT, 1 PHASE, 8.4 AMPS., EL. 12" A.F.F., D.C.O. FOR THREE SECTION REACH-IN REFRIGERATOR. NEMA 5-15P.
6. 120/208 VOLT, 3 PHASE, 5.8 AMPS., S.U. 4" A.F.F., D.C.O. FOR HOT/FROST COUNTER. NEMA L21-20P.
7. 120/208 VOLT, 3 PHASE, 14.5 AMPS., S.U. 4" A.F.F., S.C.O. FOR HOT WELL COUNTER. NEMA L21-20P.
8. 120 VOLT, 1 PHASE, 16.0 AMPS., D.F.A., AT MONITOR LOCATIONS.
9. 1" CONDUIT FOR DATA CABLING, D.F.A. IN CEILING AT MONITOR LOCATIONS, EXTEND OPEN CONDUIT ABOVE CEILING.
10. 120 VOLT, 1 PHASE, 8.0 AMPS., EL. 7'-6" A.F.F., D.C.O. FOR PASS-THRU REFRIGERATOR.
11. 120 VOLT, 1 PHASE, 340 WATTS, D.F.A., B.T.C. ON PREWIRED JUNCTION BOX ON TOP OF VENTILATOR. SWITCHES TO LIGHTS AND FANS FURNISHED AND INSTALLED BY ELECTRICIAN AND CONNECTED TO CIRCUIT.
12. 120 VOLT, 1 PHASE, 7.7 AMPS, EL. 18" & 48" A.F.F. D.C.O. FOR DOUBLE CONVECTION OVEN.
13. 120 VOLT, 1 PHASE, 15.0 AMP. (RATED), EL. 18" & 48" A.F.F. S.C.O. FOR DOUBLE STEAMER.
14. 208 VOLT, 1 PHASE, 7.8 AMPS., EL. 7'-6" A.F.F., S.C.O. FOR PASS-THRU HEATED CABINET.
15. SPARE NUMBER
16. 120 VOLT, 1 PHASE, 9.0 AMPS., EL. 18" A.F.F., J-BOX, B.T.C. ON TILT SKILLET.
17. 120 VOLT, 1 PHASE, 15.0 AMPS (RATED), EL. 30", D.C.O. FOR DOMESTIC WASHING MACHINE.
18. 120 VOLT, 1 PHASE, 13.8 AMPS., EL. 18" A.F.F., D.C.O. FOR MOBILE PROOFER/HEATED CABINET.
19. 120 VOLT, 1 PHASE, 20.0 AMPS , EL. 5'-0" A.F.F., S.C.O. (FUSE CIRCUIT WITH TIME DELAY FUSE), ON ICE MACHINE - USE EXISTING POWER.
20. 120 VOLT, 1 PHASE, 15.0 AMPS., EL. 18" A.F.F., D.C.O. FOR 30 QT. MIXER. NEMA 5-15R.
21. 120/208 VOLT, 1 PHASE, 30.0 AMPS (RATED), EL. 30", S.C.O. FOR DOMESTIC CLOTHES DRYER.
22. CONTROL CIRCUIT FROM DIVISION 26 FURNISHED AND INSTALL SHUNT TRIP BREAKER(S) TO FIRE SUPPRESSION SYSTEM CONTROL/MICRO-SWITCH. SHUNT TRIP BREAKER(S) TO BE LOCATED IN PANEL SERVING ALL EQUIPMENT UNDER EXHAUST HOOD. IN CASE OF FIRE, ALL POWER TO EQUIPMENT UNDER EXHAUST HOOD WILL BE SHUT OFF. ALL GAS TO EQUIPMENT LOCATED UNDER EXHAUST HOOD SHALL ALSO SHUT OFF IN CASE OF FIRE. MUST BE SO WIRED THAT IN THE OF POWER FAILURE, FIRE SUPPRESSION SYSTEM WILL NOT BE ACTIVATED AND WHEN POWER IS RESTORED, FIRE SYSTEM WILL NOT ACTIVATE. MECHANICAL GAS VALVE IS TO BE FURNISHED BY K.E.C. AND INSTALLED BY PLUMBER.
23. 208 VOLT, 3 PHASE, 29.9 AMPS., EL. 18" A.F.F., B.T.C., ON POWER SOAK SINK, 3 HP MOTOR AND 7 K.W. HEATER.
24. 208 VOLT, 3 PHASE, 3.2 AMPS., EL. 18" A.F.F., J-BOX. FOR POT/PAN COLLECTOR.

⚠ 25. 120 VOLT, 1 PHASE, 340 WATT, D.F.A., B.T.C. ON WALK-IN COOLER LIGHTS.

⚠ 26. 120 VOLT, 1 PHASE, 600 WATT, D.F.A., B.T.C. ON WALK-IN COOLER DOOR JAMB HEATER.

⚠ 27. 120 VOLT, 1 PHASE, 1.7 AMPS., D.F.A., B.T.C. ON WALK-IN COOLER COIL.

⚠ 28. 120 VOLT, 1 PHASE, 340 WATT, D.C.O., D.F.A., B.T.C. ON WALK-IN FREEZER LIGHTS.

⚠ 29. 120 VOLT, 1 PHASE, 900 WATT, D.F.A., B.T.C. ON WALK-IN FREEZER DOOR AND HEATED RELIEF VENT.

⚠ 30. 208 VOLT, 1 PHASE, 10.1 AMPS., D.F.A., B.T.C., ON WALK-IN FREEZER BLOWER COIL HEATERS AND MOTORS.

31. 208-230 VOLT, 3 PHASE, 10.9 MINIMUM CIRCUIT AMPACITY, 9.1 AMPS. CONNECTED LOAD, 15.0 AMPS. MAXIMUM FUSE, ON ROOF. B.T.C. ON PRE-WIRED FUSED DISCONNECT ON WALK-IN COOLER REFRIGERATION PACKAGE.
32. 208-230 VOLT, 3 PHASE, 15.5 MINIMUM CIRCUIT AMPACITY, 12.8 AMPS. CONNECTED LOAD, 25.0 AMPS. MAXIMUM FUSE, ON ROOF. B.T.C. ON PRE-WIRED FUSED DISCONNECT ON WALK-IN FREEZER REFRIGERATION PACKAGE.
33. 120 VOLTS, 1 PHASE, 10.2 AMPS., D.C.O. EL. 9'-0" A.F.F. D.F.A., B.T.C. ON INSECT FAN.
34. 120 VOLT, 1 PHASE, 20.0 AMPS.. (RATED), S.U. 4" FOR TABLE MOUNTED RECEPTACLE.

⚠ THESE ITEMS ARE NOT PRE-WIRED AND WILL REQUIRE INDIVIDUAL CONNECTIONS AND FIELD WIRING BY ELECTRICIAN.

NOTE:
ALL RECEPTACLES TO CONFORM TO ELECTRICAL CODES. PROVIDE "GFI" OUTLETS WHERE REQUIRED.

NOTE:
THESE PLANS ARE NOT TO BE USED FOR ROUGHING-IN OF UTILITY SERVICES BUT ARE PROVIDED FOR DESIGN INFORMATION ONLY.

ELECTRICAL NOTES

ALL ELECTRICAL OUTLETS SHOWN ON THIS PLAN ARE FOR FIXTURES AND EQUIPMENT SPECIFIED AS FURNISHED BY THE KITCHEN EQUIPMENT SUPPLIER, FOR FURTHER BUILDING ELECTRICAL REQUIREMENTS (TELEPHONE, CLOCK, SIGNS, EXHAUST FAN SWITCHING, ETC.) SEE OTHER PLANS.

ALL DIMENSIONS ARE TO BE IN INCHES TO 4'-0" AND ARE TO BE FROM COLUMN CENTERLINES AND/OR FINISHED WALLS. ELEVATIONS GIVEN ARE TO BE FROM FINISHED FLOOR TO CENTERLINE OF OUTLET. ALL 120V OUTLETS NOT DESIGNATED WITH SPECIFIC LOADS TO BE RATED AT 20.0 AMPS.

ELECTRICIAN TO CONNECT ALL ELECTRICAL EQUIPMENT AND FIXTURES AND DO ANY INTERNAL WIRING REQUIRED IN THE FIXTURES AS REQUIRED BY THE SPECIFICATIONS. ALL ELECTRICAL OUTLET COVER PLATES ARE TO BE STAIN-LESS STEEL AND ARE TO BE FURNISHED BY THE ELECTRICIAN, AS WELL AS THE RECEPTACLE, UNLESS OTHERWISE SPECIFIED IN THE ITEM SPECIFICATIONS. KITCHEN EQUIPMENT SUPPLIER TO FURNISH A GALVANIZED JUNCTION BOX IN THE FIXTURE CUTOUT TO RECEIVE THE RECEPTACLE, UNLESS OTHERWISE NOTED. ALL DISCONNECT SWITCHES REQUIRED ARE TO BE FURNISHED AND INSTALLED BY THE ELECTRICIAN AT TIME OF INSTALLATION.

ALL WORK TO BE PERFORMED IN FULL ACCORDANCE WITH ALL APPLICABLE CODES RELATING TO HOOK-UP, INSTALLATION AND WIRING OF EQUIPMENT.

ELECTRICAL SYMBOLS & ABBREVIATIONS

- ....SINGLE CONVENIENCE OUTLET (SCO)
- ....DOUBLE CONVENIENCE OUTLET (DCO)
- ....QUAD CONVENIENCE OUTLET
- ....JUNCTION BOX (JB)
- ....HEATING ELEMENT OR POWER
- ....CONDUIT STUB-UP AS NOTED
- ....FLOOR RECEPTACLE AS NOTED
- ....SPECIAL OUTLET AS NOTED
- ....MOTOR OUTLET
- ....SOLENOID OR CONTROL CIRCUIT
- ....SINGLE POWER OUTLET AS NOTED
- ....CONVENIENCE OUTLET, 2 CIRCUIT 120/208V-1PH, 3 WIRE (OR AS NOTED)
- ....LIGHT INDICATION
- C ....CONDUIT AS NOTED
- F ....FIRE PULL CONDUIT
- ....PANEL BOARD
- ....DISCONNECT SWITCH
- Sw ....SWITCH AS NOTED
- SP ....SWITCH AND PILOT LIGHT
- EL ....ELEVATION AFF
- AMP....AMPERES
- V ....VOLTS
- W ....WATTS
- Ø ....PHASE
- AFF....ABOVE FINISHED FLOOR
- BFF....BELOW FINISHED FLOOR
- BTC....BRANCH TO CONNECTION POINT AND CONNECT EQUIPMENT
- BTF....BRANCH TO FIXTURE, FURNISH AND INSTALL RECEPTACLE
- DFA....DOWN FROM ABOVE
- SU ....STUB UP AFF
- HP ....HORSEPOWER
- KW....KILOWATTS
- KES....KITCHEN EQUIPMENT SUPPLIER
- GFI ....GROUND FAULT INDICATOR

COMM. NO.	1288
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BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

PROJECT STATUS: ISSUE FOR CONSTRUCTION

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

FOODSERVICE ELECTRICAL REQUIREMENTS PLAN

QF111

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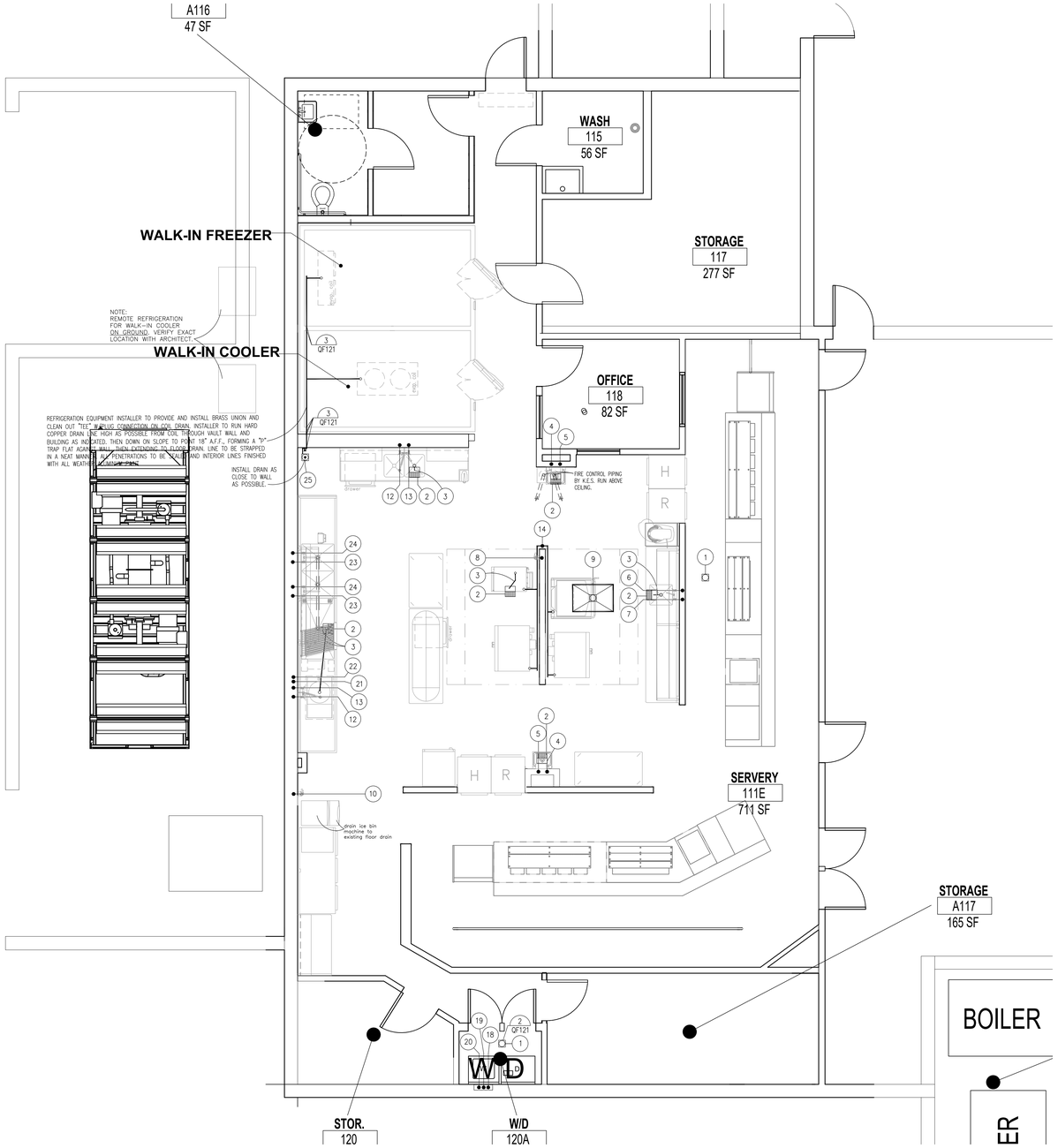


1 FOODSERVICE PLUMBING REQUIRMENTS PLAN
QF121 SCALE: 1/4" = 1'-0"

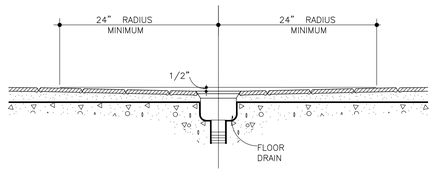
PLUMBING LEGEND

1. 3" FLOOR DRAIN, SET 1/2" B.F.F., SEE DETAIL 2/QF121.
2. 3" FLOOR SINK, SET FLUSH WITH FINISHED FLOOR TO RECEIVE WASTE FROM FIXTURES. FLOOR SINK TO HAVE HALF GRATE UNLESS SPECIFIED OTHERWISE.
3. INDIRECT WASTE BY PLUMBER.
4. 1/2" H.W., EL. 16", B.T.C. ON HAND SINK.
5. 1/2" C.W., EL. 16", B.T.C. ON HAND SINK.
6. 1/2" H.W., EL. 16" A.F.F., FOR SINK FAUCET.
7. 1/2" C.W., EL. 16" A.F.F., FOR SINK FAUCET.
8. 3/4" C.W., EL. 48" A.F.F. B.T.C. ON DOUBLE STEAMER VIA WATER FILTER.
9. 3 1/2" FLOOR DRAIN, SET 5" B.F.F., FOR FLOOR TROUGH. SEE DETAIL 4/QF121.
10. 1/2" C.W., EL. 60" A.F.F, D.F.A., B.T.C ON ICE MACHINE VIA WATER FILTER WITH SEPARATE SHUT OFF VALVE. (3/8" F.P.T. CONNECTION). PROVIDE REDUCED PRESSURE ZONE (RPZ) AT 48" A.F.F. REFER TO DIVISION 22 FOR REQUIREMENTS.
11. SPARE
12. 1/2" H.W., EL. 16" A.F.F., FOR SINK FAUCET OR PRERINSE SPRAY ASSEMBLY.
13. 1/2" C.W., EL. 16" A.F.F., FOR SINK FAUCET OR PRERINSE SPRAY ASSEMBLY.
* 14. NATURAL GAS OF SUFFICIENT SIZE TO HANDLE 300,000 B.T.U., D.F.A. AT POINTS SHOWN (FROM LOOP ABOVE CEILING), SERVING THE FOLLOWING EQUIPMENT: (UTILIZE EXISTING UTILITIES, IF POSSIBLE.)

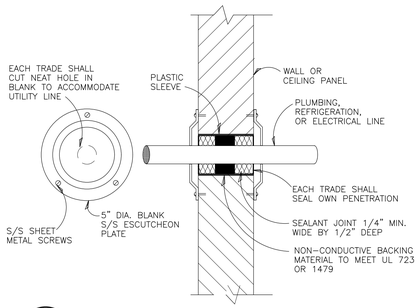
QTY.	DESCRIPTION	CONN.	BTU/HR.
■2	DBL. CONVECTION OVEN	3/4" (2)	50,000 BTU (EA)
■1	DBL. STEAMER	3/4" (1)	200,000 BTU (EA)
■1	TILT SKILLET	3/4" (1)	90,000 BTU (EA)

15. SPARE
16. SPARE
17. SPARE
18. 1/2" H.W., EL. 30", B.T.C. ON DOMESTIC CLOTHES WASHER, PROVIDE HOSE BIBB END IN RECESS BOX.
19. 1-1/2" DRAIN, EL. 30", B.T.C. ON DOMESTIC CLOTHES WASHER, CONNECTION FROM RECESS BOX.
20. 1/2" C.W., EL. 30", B.T.C. ON DOMESTIC CLOTHES WASHER, PROVIDE HOSE BIBB END IN RECESS BOX.
21. 3/4" H.W., EL. 16" A.F.F., FOR POT/PAN COLLECTOR.
22. 3/4" C.W., EL. 16" A.F.F., FOR POT/PAN COLLECTOR.
23. 3/4" H.W., EL. 16" A.F.F., FOR SINK FAUCET.
24. 3/4" C.W., EL. 16" A.F.F., FOR SINK FAUCET.
25. 3" FLOOR DRAIN WITH 4" HIGH FUNNEL, SET FLUSH WITH FINISHED FLOOR.

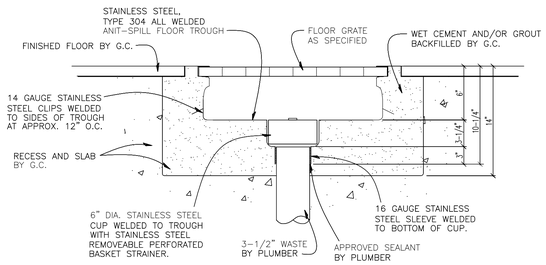
* PLUMBER TO SET GAS VALVES, FURNISHED BY THE KITCHEN EQUIPMENT SUPPLIER, IN THE GAS LINES AS PART OF THE FUEL SHUT OFFS FOR THE FIRE SUPPRESSION SYSTEM.
■ PLUMBER TO MAKE FINAL CONNECTION FROM THE MAIN GAS LINE TO EACH PIECE OF EQUIPMENT WITH FLEXIBLE GAS DISCONNECT HOSE PROVIDED BY THE KITCHEN EQUIPMENT SUPPLIER.



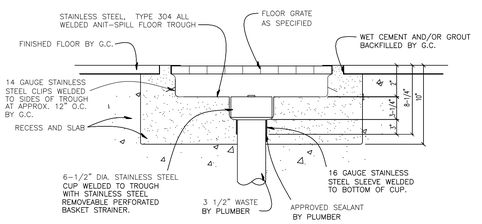
2 SECTION THRU TYPICAL FLOOR DRAIN
QF121 SCALE: NONE



3 ESCUTCHEON & PENETRATION DETAIL
QF121 SCALE: NONE



4 SECTION THRU FLOOR TROUGH
QF121 SCALE: NONE



5 SECTION THRU FLOOR TROUGH
QF121 SCALE: NONE

NOTE:
THESE PLANS ARE NOT TO BE USED FOR ROUGHING-IN OF UTILITY SERVICES BUT ARE PROVIDED FOR DESIGN INFORMATION ONLY.

NOTE:
UNLESS OTHERWISE SPECIFIED, ALL WATER SUPPLY AND DRAIN LINES FOR ALL KITCHEN EQUIPMENT ARE TO BE SOLDERED COPPER PIPE. ALL EXPOSED WATER SUPPLY AND DRAIN LINES ARE TO BE PAINTED WITH CHROME OR ALUMINUM, ALL-WEATHER PAINT BY THE PLUMBING CONTRACTOR.

PLUMBING NOTES

ALL PLUMBING OUTLETS AND REQUIREMENTS SHOWN ON THIS PLAN ARE FOR FIXTURES AND EQUIPMENT SPECIFIED AS FURNISHED BY KITCHEN EQUIPMENT SUPPLIER. FOR ANY ADDITIONAL BUILDING PLUMBING REQUIREMENTS, SEE OTHER MECHANICAL PLANS.

ALL DIMENSIONS ARE TO BE FROM COLUMN CENTERLINES AND/OR FINISHED WALLS AND ARE IN INCHES TO 4'-0". ELEVATIONS GIVEN ARE FROM FINISHED FLOOR. ALL FLOOR DRAINS TO SET 1/2" BELOW FINISHED FLOOR UNLESS OTHERWISE NOTED. DO NOT SLOPE FLOORS SO CLOSE TO DRAINS AS TO CREATE "PITS" OR "DIPS" IN FLOOR. MINIMUM RADIUS OF SLOPE TO BE 24" FROM CENTERLINE OF DRAIN.

PLUMBER TO CONNECT ALL WATER LINES, GAS LINES, WASTE LINES, ETC. TO FULLY CONNECT ALL EQUIPMENT AND RUN CONDENSATE LINES FROM UNITS TO DRAINS AND THESE LINES TO BE NO SMALLER THAN THE STUB OUT OF THE FIXTURE. PLUMBER TO PROVIDE GATE VALVES ON ALL WATER AND GAS LINES, VALVES, CUT-OFFS, TRAPS, HYDROSTATIC SHOCK ELIMINATORS, PRESSURE REGULATORS AND MATERIAL NECESSARY TO CONNECT ALL LINES, UNLESS OTHERWISE SPECIFIED IN THE ITEM SPECIFICATIONS. FAUCETS, DRAIN OUTLET FITTINGS IN FIXTURES AND SPECIALITY ITEMS ARE TO BE FURNISHED BY KITCHEN EQUIPMENT SUPPLIER AS OUTLINED ON THE ITEM SPECIFICATIONS. ALL WORK TO BE PERFORMED IN FULL ACCORDANCE WITH ALL APPLICABLE CODES RELATING TO INSTALLATION AND HOOK-UP OF EQUIPMENT.

UNLESS OTHERWISE NOTED, ALL MANUFACTURED AND FABRICATED ITEMS HAVING INTERNAL OR EXTERNAL WATER PIPING ARE TO BE COPPER WITH WELDED CONNECTIONS OR CONNECTIONS USING LEAD FREE SOLDER WITH THE EXCEPTION OF ICE BINS WHICH ARE TO BE PVC. ALL EXPOSED SUPPLY AND DRAIN LINES UNLESS SPECIFIED OTHERWISE ARE TO BE PAINTED WITH CHROME OR ALUMINUM ALL-WEATHER PAINT.

MECHANICAL
SYMBOLS & ABBREVIATIONS

●	HUB DRAIN AS NOTED
⊙	FLOOR DRAIN-4" HIGH FUNNEL
⊡	FLOOR DRAIN AS NOTED (FD)
◧	FLOOR SINK AS NOTED (FS)
⊲	RIGHT ANGLE FLOOR DRAIN AS NOTED
⊣	MIXING HOSE BIBB, SINGLE OUTLET
⊢	HOSE BIBB, SINGLE OUTLET
•	HOT/COLD WATER AS NOTED
DR	DRAIN
CW	COLD WATER
HW	HOT WATER
HD	HUB DRAIN SET 1" AFF
EL	ELEVATION AFF
AFF	ABOVE FINISHED FLOOR
BFF	BELOW FINISHED FLOOR
SU	STUB UP AFF
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
SS	STEAM SUPPLY
SR	STEAM RETURN
BHP	BOILER HORSEPOWER
PPH	POUNDS PER HOUR
PSI	POUNDS PER SQUARE INCH
DFA	DOWN FROM ABOVE
BTC	BRANCH TO CONNECTION
▭	RETURN AIR DUCT CONNECTION
▭	EXHAUST DUCT CONNECTION
SP	STATIC PRESSURE
WG	INCHES OF WATER GAUGE
CFM	CUBIC FEET PER MINUTE
FPM	FEET PER MINUTE (VELOCITY)
KES	KITCHEN EQUIPMENT SUPPLIER

COMM. NO.	1288
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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT
JAMES BOWIE ELEMENTARY SCHOOL
330 NORTH MARSALIS AVE, DALLAS, TX 75203

FOODSERVICE PLUMBING REQUIREMENTS PLAN

QF121

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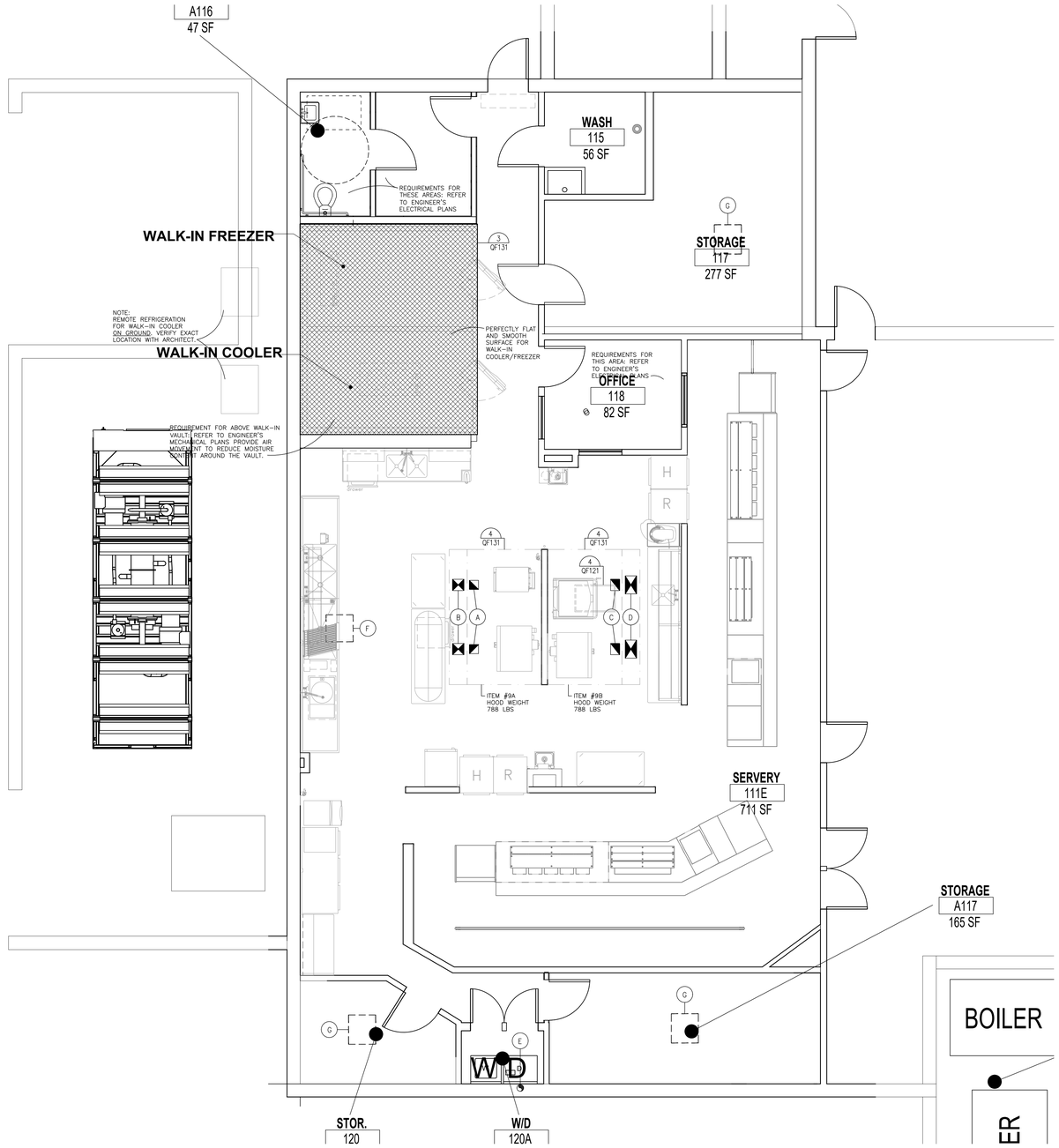


1 QF131 FOODSERVICE VENTILATION AND FLOOR DEPRESSION REQUIRMENTS PLAN
SCALE: 1/4" = 1'-0"

VENTILATION LEGEND

A. 8" X 8" EXHAUST DUCT MOVING 750 CFM AT 0.90" S.P. (2 REQUIRED)

B. 10" X 10" SUPPLY DUCT MOVING 600 CFM AT 0.50" S.P. (2 REQUIRED)

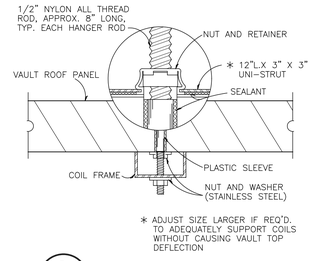
C. 8" X 10" EXHAUST DUCT MOVING 875 CFM AT 0.90" S.P. (2 REQUIRED)

D. 10" X 16" SUPPLY DUCT MOVING 700 CFM AT 0.50" S.P. (2 REQUIRED)

E. 4" GRAVITY VENT FOR DOMESTIC CLOTHES DRYER.

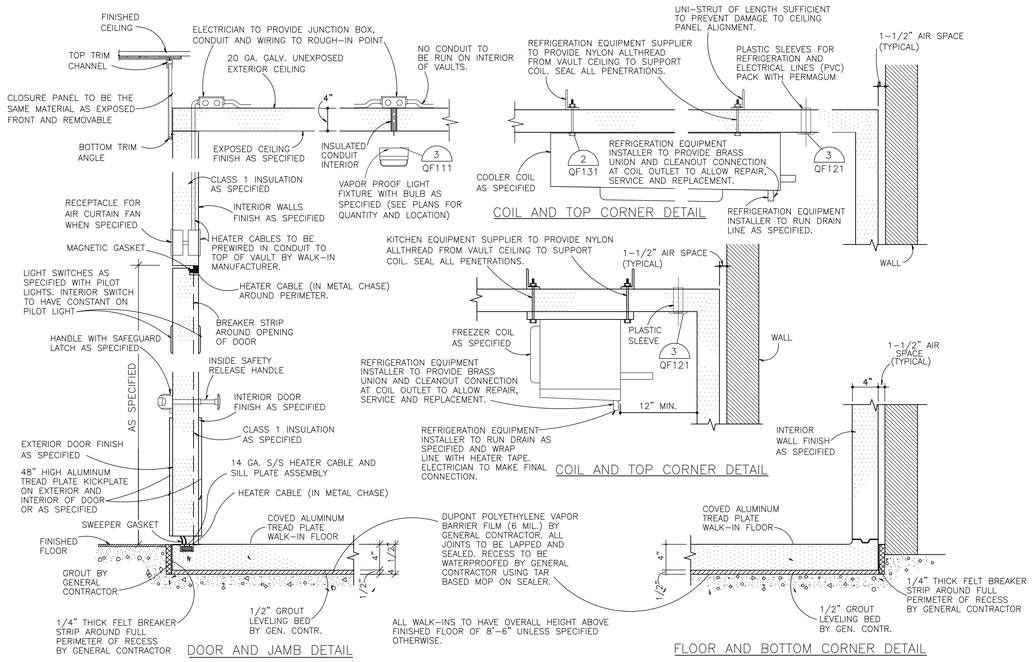
F. EXHAUST 500 C.F.M. FREE AIR FROM THIS AREA THRU HVAC CONTRACT FURNISHED AND INSTALLED STAINLESS STEEL OR ALUMINUM CEILING GRILL.

G. EXHAUST 300 C.F.M. FREE AIR FROM DRY STORAGE ROOM THRU HVAC CONTRACTOR FURNISHED AND INSTALLED STAINLESS STEEL OR ALUMINUM CEILING GRILLE, IF SPACE NOT CONDITIONED.



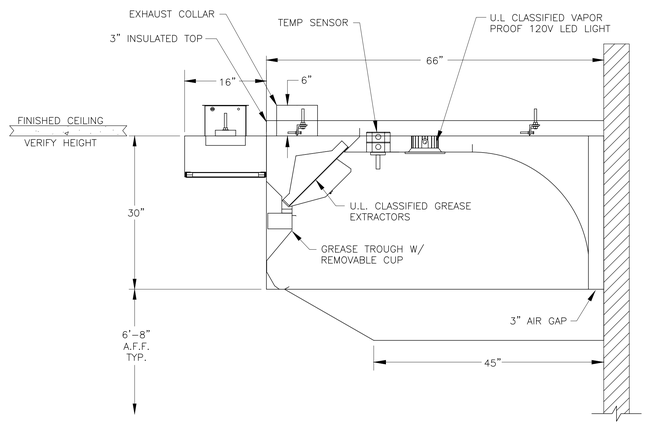
* ADJUST SIZE LARGER IF REQ'D. TO ADEQUATELY SUPPORT COILS WITHOUT CAUSING VAULT TOP DEFLECTION

2 QF131 COIL HANGER ROD DETAIL
SCALE: NONE



3 QF131 WALK-IN COOLER/FREEZER DETAILS
SCALE: NONE

CLEARANCE IS REQUIRED TO CLOSEST OVERHEAD OBSTRUCTION (OR STRUCTURAL CEILING). AVTEC REQUIRES 10" (18" FOR WATER WASH HOODS) FROM THE TOP OF THE VENTILATOR DUCT COLLAR CONNECTION, ACCESS IS THE RESPONSIBILITY OF THE KITCHEN EQUIPMENT CONTRACTOR.



4 QF131 TYPICAL SECTION THRU EXHAUST VENTILATOR
SCALE: NONE

NOTE:
THESE PLANS ARE NOT TO BE USED FOR ROUGHING-IN OF UTILITY SERVICES BUT ARE PROVIDED FOR DESIGN INFORMATION ONLY.

VENTILATION NOTES

UNLESS OTHER PROVISIONS ARE MADE AND/OR INDICATED ON PLANS, VENTILATING HVAC CONTRACTOR TO PROVIDE OUTSIDE FILTERED MAKE-UP AIR FOR HOOD EXHAUST SYSTEM. THE TOTAL KITCHEN MAKE-UP AIR SYSTEM SHALL HAVE A SUFFICIENT CAPACITY TO MAKE UP 100% OF THE AIR BEING EXHAUSTED AND SHALL BE BALANCED TO MAKE-UP 90% OF THAT AIR. TEMPERED MAKE-UP AIR TO BE RETURNED AT THE HOOD LOCATION SHALL BE FROM 45% TO 80% AS INDICATED ON THE PLANS.

EXHAUST FANS, DUCTWORK ABOVE FINISHED CEILING AND MAKE-UP AIR SYSTEM TO BE BY THE VENTILATING HVAC CONTRACTOR. EXHAUST VENTILATORS AND ANY CONNECTING DUCTWORK FROM VENTILATORS, FIXTURES AND EQUIPMENT TO FINISHED CEILING TO BE BY THE KITCHEN EQUIPMENT SUPPLIER.

GENERAL CONTRACTOR TO CUT OR PROVIDE ANY HOLES THROUGH CEILING, ROOFS AND WALLS FOR DUCTS, CONDUITS, REFRIGERATION LINE ACCESS, ETC., IN ACCORDANCE WITH LOCAL SITE FIRE AND BUILDING CODES AND IN ACCORDANCE WITH DUCT SIZES SPECIFIED. GENERAL CONTRACTOR ALSO TO PROVIDE ALL DUCT FIRE SEPARATIONS, ENCLOSURES, WRAPPINGS, ETC., AS MAY BE REQUIRED BY LOCAL BUILDING AND FIRE CODES.

SPECIAL NOTE TO GENERAL CONTRACTOR AND ANY SUBCONTRACTORS FOR QUARRY TILE OR CONCRETE WEARING FLOORS IN WALK-IN VAULTS:

THE SHEET METAL PANEL FACINGS OF VAULTS ARE SUSCEPTIBLE TO STAINING DUE TO EXCESSIVE MOISTURE CREATED BY HYDRATION OF CONCRETE TYPE MATERIALS. THEREFORE, IT IS ABSOLUTELY NECESSARY THAT EACH WALK-IN ROOM BE PROPERLY VENTILATED AND ENTRANCE DOORS LEFT OPEN (OR OFF) UNTIL FLOORS ARE CURED. ALSO NOTE THAT SPECIAL PRECAUTIONS MUST BE TAKEN WHEN USING MURIATIC ACID DUE TO EFFECTS HYDROCHLORIC ACID FUMES HAVE ON ALUMINUM AND STAINLESS STEEL.

VENTILATION
SYMBOLS & ABBREVIATIONS

	RETURN AIR DUCT CONNECTION
	EXHAUST DUCT CONNECTION
	GRAVITY EXHAUST CONNECTION
SP	STATIC PRESSURE
WG	INCHES OF WATER GAUGE
CFM	CUBIC FEET OF AIR PER MINUTE
FPM	FEET PER MINUTE (VELOCITY)
KES	KITCHEN EQUIPMENT SUPPLIER

THE MECHANICAL DATA REPRESENTED REFERENCES EQUIPMENT THAT ARE IN ACCORDANCE WITH RECOMMENDATIONS OF THE NATIONAL FIRE PROTECTION ASSOCIATION'S STANDARD NFPA 96 "VAPOR REMOVAL FROM COOKING EQUIPMENT", THE NATIONAL SANITATION FOUNDATION STANDARD #2 "FOOD SERVICE EQUIPMENT", AND UNDERWRITER'S LABORATORIES STANDARD U.L. 710 "EXHAUST HOODS FOR COMMERCIAL COOKING EQUIPMENT" U.L. LISTED."

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Autodesk Docs://DISD Jaimes Bowie ES/1288 DISD Jaimes Bowie ES_R24.rvt

COMM. NO.	1288
DATE	11/11/24
DRAWN	LN
CHECKED	CD

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY
ONE INCH
REVISIONS:

PROJECT STATUS: ISSUE FOR CONSTRUCTION

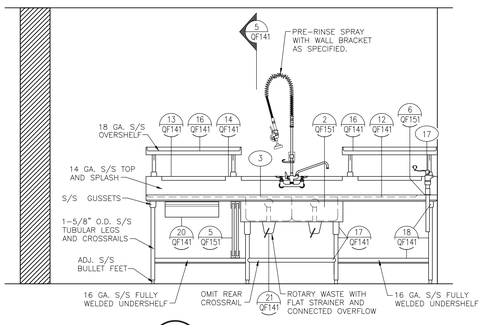
LBL ARCHITECTS
Listen. Build. Lead.
1105 W. RANDOL MILL ROAD
SUITE 300
ARLINGTON, TEXAS 76012
PHONE: (817) 265-1582
FAX: (817) 265-1592
WWW.LBLARCHITECTS.COM
TBAE FIRM # BR 3350

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT
JAMES BOWIE ELEMENTARY SCHOOL
330 NORTH MARSALIS AVE. DALLAS, TX 75203

FOODSERVICE VENTILATION & FLOOR DEP. REQUIREMENTS PLAN

QF131

7/11/2024 3:26:16 AM



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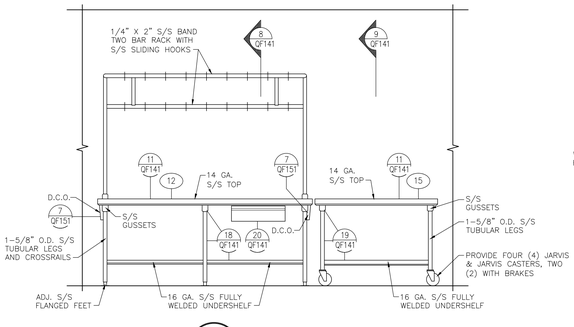

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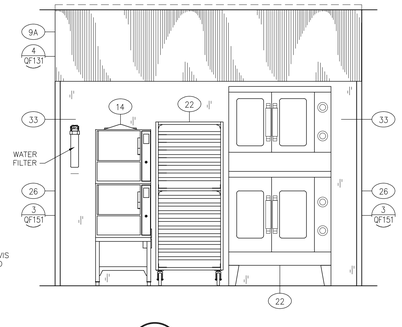

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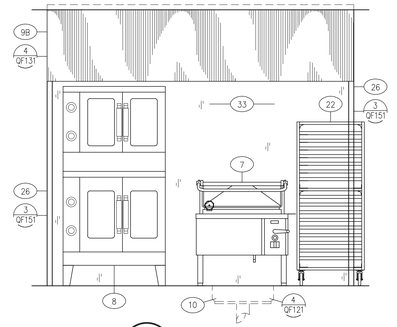

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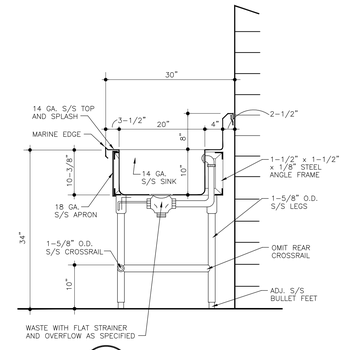

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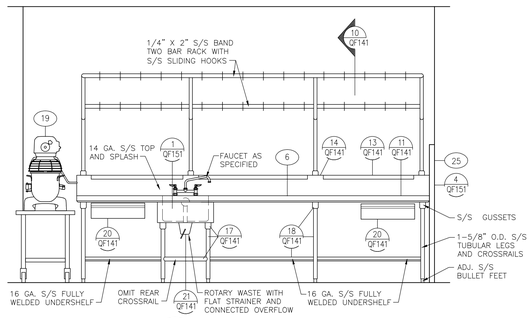

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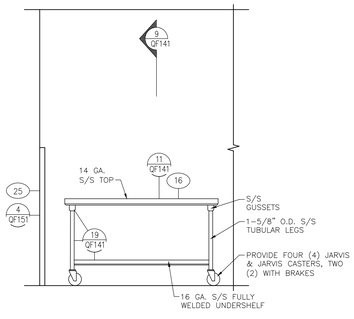

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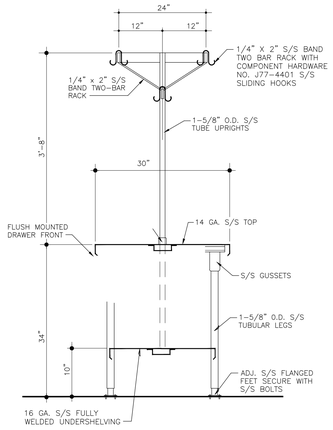

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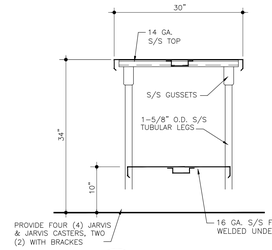

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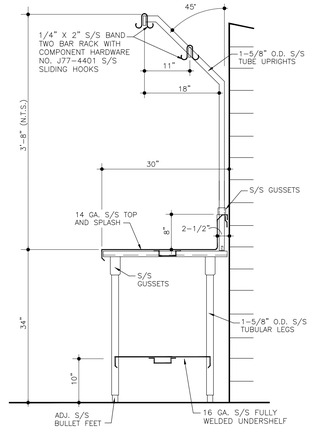

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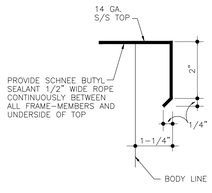

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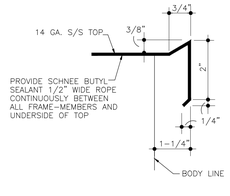

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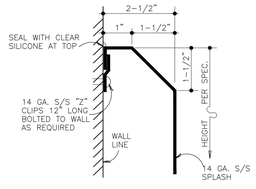

13 SPLASH SECTION
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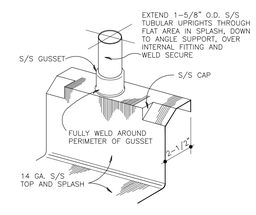

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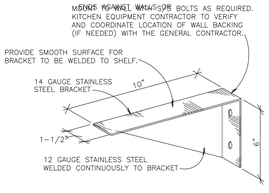

15 S/S SHELF BRACKET
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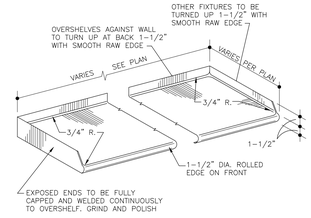

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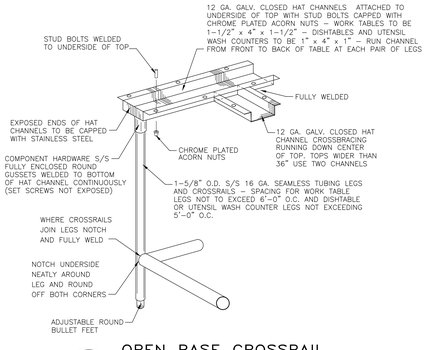

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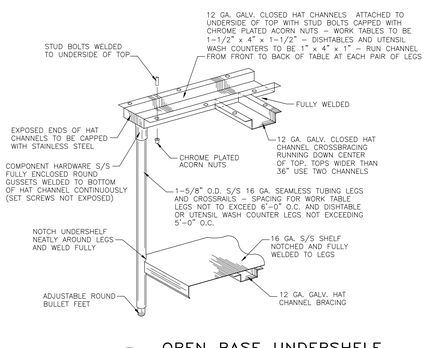

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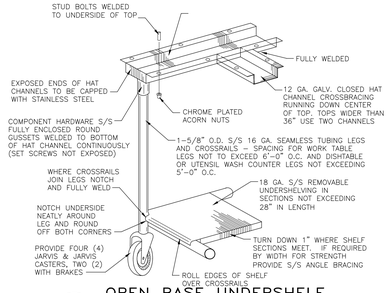

19 OPEN BASE UNDERSHELF WITH CASTERS DETAIL
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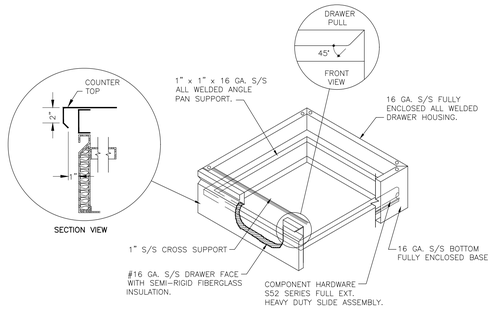

20 TYPICAL DRAWER DETAIL
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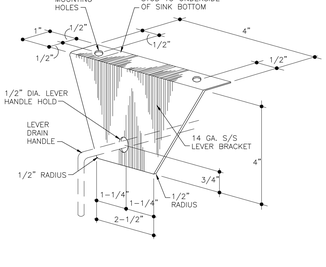

21 TYPICAL LEVER BRACKET DETAIL
QF141 SCALE: NONE

COMM. NO.	1288
DATE	11/11/24
DRAWN	LN
CHECKED	CD

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

PROJECT STATUS: ISSUE FOR CONSTRUCTION

LBL ARCHITECTS
1106 W. RANDOL MILL ROAD
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ARLINGTON, TEXAS 76012
PHONE (817) 265-1510
FAX (817) 265-1524
WWW.LBLARCHITECTS.COM
TBAE FIRM # BR 1350

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

FOODSERVICE ELEVATIONS, SECTIONS AND DETAILS

QF141

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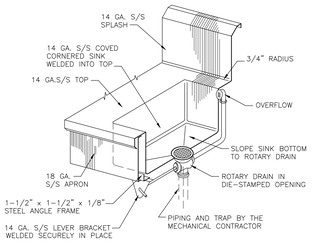
Autodesk Docs://DISD James Bowie ES/1288 DISD James Bowie ES_R24.rvt



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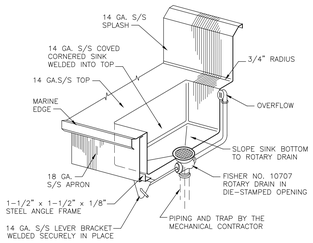

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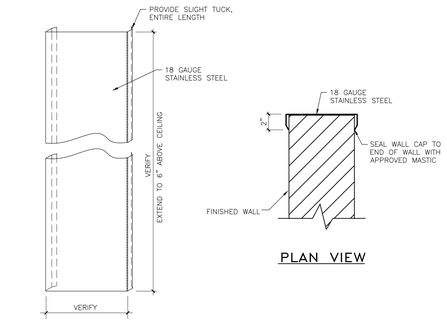

3 STAINLESS STEEL END WALL CAP DETAIL
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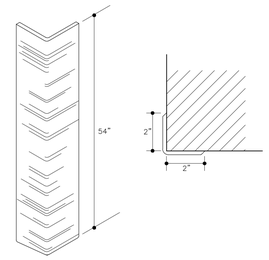

4 CORNER GUARD DETAIL
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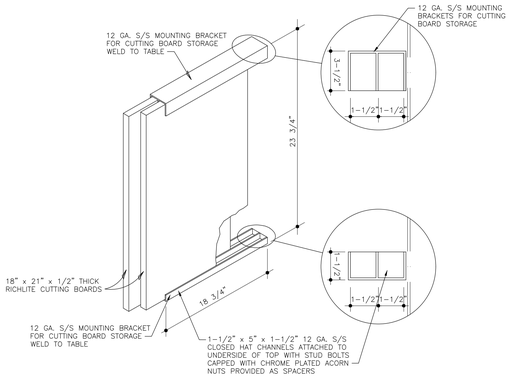

5 CUTTING BOARD BRACKET DETAIL
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6 CAN OPENER DETAIL
QF151 SCALE: NONE

7 ELECTRICAL RECEPTACLE MOUNTED UNDER TOP
QF151 SCALE: NONE

8 TABLE TOP DETAIL AT PASS-THRU
QF151 SCALE: NONE

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ONE INCH

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LBL ARCHITECTS
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TBAE FIRM # BR 1350

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

FOODSERVICE DETAILS

QF151

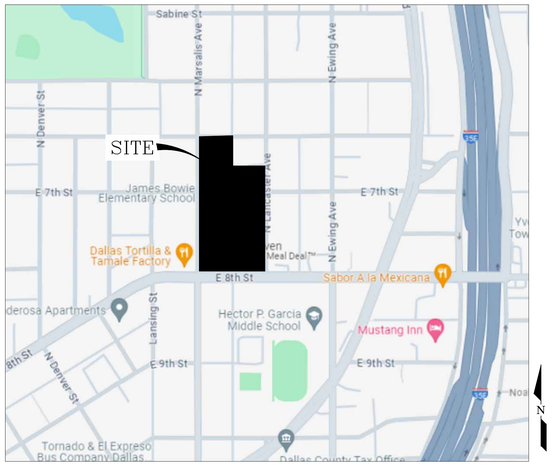
7/11/2024 8:04:42 AM

PAVING AND UTILITY IMPROVEMENTS FOR JAMES BOWIE ELEMENTARY SCHOOL 330 N. MARSALIS AVENUE DALLAS , TEXAS, 75203 MAY 2024

ENGINEER
MJ THOMAS ENGINEERING, LLC
MICKEY THOMAS
4700 BRYANT IRVIN CT, SUITE 204
FORT WORTH, TEXAS 76107
817-732-9839
817-732-9841
MICKEYT@MJTHOMASENG.COM

ARCHITECT
LBL ARCHITECTS
DARBY ECKLES
1106 W RANDOL MILL RD,
ARLINGTON, TEXAS 76012
817-265-1510
JDECKLES@LBLARCHITECTS.COM

OWNER
DALLAS ISD
RAJ SHARMA
MASTER CODE INC.
7309 BAY CHASE DR,
ARLINGTON, TX 76016
817-648-9576
RAJSHARMA@MASTERCODE.US



DALLAS MAPSCO GRID NO.

LOCATION MAP
N.T.S.

Sheet List Table	
Sheet Number	Sheet Title
C01	COVER SHEET
C03.01	GENERAL NOTES 1 OF 2
C03.02	GENERAL NOTES 2 OF 2
C04.01	EXISTING CONDITIONS
C04.02	DEMOLITION PLAN
C05.01	DIMENSION CONTROL PLAN
C05.02	OVERALL GRADING PLAN
C06.01	PAVING PLAN
C06.02	UTILITY PLAN
C07.01	SEDIMENT CONTROL PLAN
C07.02	SEDIMENT CONTROL NOTES
C08.50	SIDEWALK DETAILS
C08.51	SIDEWALK DETAILS
C08.52	SIGNAGE & STRIPING DETAILS
C08.53	PAVING DETAILS
C08.54	WATER DETAILS
C08.55	EMBEDMENT DETAILS
C08.56	SEDIMENT CONTROL DETAILS

THIS SPACE RESERVED - BLDG INSPECTION

THIS SPACE RESERVED - ENGINEERING

NOTE: CONTRACTOR WILL BE REQUIRED TO APPLY FOR A ROW PERMIT ONLINE AT HTTPS://ROWMANAGEMENT.DALLASCITYHALL.COM/LOGIN.ASPX AND TO SCHEDULE INSPECTIONS FOR ALL THE PROPOSED WORK WITHIN THE CITY RIGHT-OF-WAY.

ALL PAVING AND STORM DRAINAGE WORK BEING DONE WITHIN PUBLIC RIGHT-OF-WAY AND EASEMENTS, INCLUDING SIDEWALKS, BARRIER-FREE RAMPS AND DRIVE APPROACHES, MUST BE CONSTRUCTED UNDER A 3-WAY PRIVATE DEVELOPMENT CONTRACT. SUBMIT AN ITEMIZED LIST OF IMPROVEMENTS PER NUMBER 8 ON THE PLAN REVIEW CHECK LIST. (SEC 51A-8.612)

WE UNDERSTAND THE STANDARD C=0.70 FOR THIS SITE, HOWEVER, THE OWNER UNDERSTANDS THE PLAYGROUND WILL HAVE NO IMPROVEMENTS TO IT FOR THE FORESEEABLE FUTURE AND IF SOMETHING CHANGES, IT WILL HAVE TO BE RE-EVALUATED AT THAT TIME FOR DETENTION

APPROVAL FROM THE CHIEF ARBORIST IS REQUIRED BEFORE ANY TREES MAY BE REMOVED DURING DEMOLITION OR CONSTRUCTION

THE PROPERTY OWNER IS LIABLE TO RESTORE/REPLACE ANY STREET, SIDEWALK, ALLEY, CURB, GUTTER, DRAINAGE STRUCTURE, BOULEVARD LANDSCAPING, UTILITY, OR OTHER PUBLIC IMPROVEMENT DAMAGED DURING CONSTRUCTION, TO EQUAL OR BETTER CONDITION THAN THAT PRIOR TO THE START OF CONSTRUCTION.

ANY TRAFFIC CONTROL PLAN (TCP) MUST BE SUBMITTED TO THE DEPARTMENT OF PUBLIC WORKS FOR REVIEW AND APPROVAL BY TRAFFIC SAFETY COORDINATORS PRIOR TO START OF CONSTRUCTION. NO TRAFFIC LANE OR SIDEWALK ALONG ANY PUBLIC STREET OR ALLEY IS TO BE CLOSED WITHOUT FIRST OBTAINING THE APPROPRIATE PERMIT(S). CLOSURE OF ANY TRAFFIC LANE MUST BE RESTRICTED TO THE HOURS OF 9:30 A.M. TO 3:30 P.M. WORKDAYS (HOURS MAY DIFFER IN SCHOOL ZONES). CONTRACTOR MUST CALL (214) 948-4290 TO REQUEST APPROVAL OF TCP AND TO OBTAIN A RIGHT-OF-WAY PERMIT.

BENCHMARKS:
BM#1 :- SQUARE CUT CENTER TOP OF CURB INLET ON SOUTH SIDE OF THE 7TH ST. 150' +/- WEST OF MARSALIS AVENUE

ELEVATION :- 465.62'

BM#2 :- SET "X" CUT TOP CURB OF THE EXISTING EAST CURB LINE OF NORTH LANCASTER AVE. +/- 261' NORTH OF THE CENTERLINE INTERSECTION WITH EAST EIGHT STREET

ELEVATION :- 498.98'

DALLAS ISD 2024 BOND PROGRAM
XXXXXX
ORG #XXX JAMES BOWIE ELEMENTARY
PAVEMENT IMPROVEMENT PERMIT DRAWINGS

MJ THOMAS ENGINEERING, LLC
4700 BRYANT IRVIN CT, SUITE 204
FORT WORTH, TX 76107
REGISTRATION NO. F-9435
PHONE - (817) 732-9839
FAX - (817) 732-9841
MJT NO. - 677-025

CONTRACT INFORMATION

CONTRACT NO. _____ DATE 05-10-2024
CONTRACTOR _____
CONTRACT NO. _____ DATE _____
(IF APPLICABLE) CONTRACTOR _____
CONTRACT NO. _____ DATE _____
(IF APPLICABLE) CONTRACTOR _____

REVISIONS

REV NO.	DATE	DESCRIPTION	BY

MJ THOMAS ENGINEERING, LLC
4700 BRYANT IRVIN CT, SUITE 204
FORT WORTH, TEXAS 76107
F-9435

PLAT NO.	BLDG PERMIT NO.	DEV ENGINEERING TRACKING NOS.	
XXXX-XXX	XXXXX	WW18-XXXX	XXXXX

COVER SHEET

JAMES BOWIE PAVEMENT IMPROVEMENT
330 NORTH MARSALIS AVENUE
DEVELOPMENT SERVICES
CITY OF DALLAS, DALLAS COUNTY, TEXAS

REVIEW BY:	DRAWN BY:	DATE	FILE	NUMBER	SHEET
MAT	PME	NOVEMBER 13, 2024		DP24-XXX	C01

MJ THOMAS ENGINEERING, LLC
4700 BRYANT IRVIN CT, SUITE 204
FORT WORTH, TX 76107
REGISTRATION NO. F-9435
PHONE - (817) 732-9839
FAX - (817) 732-9841
MJT NO. - 677-025

COMM. NO. 1288
DATE 11/13/24
DRAWN DWH
CHECKED Checker

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY
ONE INCH
REVISIONS:

MICHAEL A. THOMAS 93640 LICENSED PROFESSIONAL ENGINEER
11/13/24

LBL ARCHITECTS Listen. Build. Lead.
1106 W RANDOL MILL ROAD SUITE 300 ARLINGTON, TEXAS 76012 PHONE (817) 265-1510 FAX (817) 265-1582 WWW.LBLARCHITECTS.COM TBAE FIRM # BR 1350

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT
JAMES BOWIE ELEMENTARY SCHOOL
330 NORTH MARSALIS AVE. DALLAS, TX 75203

NOTE:

ALL OVERHEAD ELECTRIC LINES SHALL MEET THE HEIGHT REQUIREMENTS SET FORTH BY THE CITY FIRE DEPARTMENT AND UTILITY OWNER. CONTRACTOR SHALL ADJUST/RAISE EXISTING OVERHEAD ELECTRIC LINES CROSSING FIRE LANES AS REQUIRED TO MEET THE FIRE DEPARTMENT REQUIREMENTS. CONTRACTOR SHALL LOCATE ALL EXISTING OVERHEAD ELECTRIC LINES PRIOR TO ANY CONSTRUCTION. COORDINATE WITH UTILITY OWNER.

WARNING TO CONTRACTOR:

CALL 1-800-344-8377 (DIG-TESS) OR OTHER UTILITY LOCATING SERVICES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY. MJ THOMAS ENGINEERING IS NOT RESPONSIBLE FOR KNOWING ALL EXISTING UTILITIES OR DEPICTING EXACT LOCATIONS OF UTILITIES ON DRAWINGS.

EXISTING IRRIGATION SYSTEM NOTE:

THE CONTRACTOR SHALL PROTECT ALL EXISTING SPRINKLER HEADS, LINES, ETC. DURING THE DURATION OF CONSTRUCTION. ANY SPRINKLER LINES, HEADS, METERS, VALVES, ETC. THAT ARE DAMAGED OR RELOCATED BY CONSTRUCTION SHALL BE REPAIRED AND/OR REPLACED TO ORIGINAL CONDITION OR BETTER (NO SPECIAL PAY). COORDINATE WITH OWNER AND/OR LANDSCAPE IRRIGATION PLANS.

UTILITY RELOCATION NOTE:

IF ANY EXISTING UTILITY POLES, POWER POLES, GUY WIRES, TELEPHONE UTILITIES, CABLE BOXES, FIBER OPTIC CABLE, ETC. ARE FOUND TO BE IN CONFLICT WITH THESE CONSTRUCTION PLANS, THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANY AND COORDINATE THE RELOCATION OF ANY AND/OR ALL SUCH UTILITIES (NO SPECIAL PAY).

CONTRACTOR ADVISORY:

THE CONTRACTOR, AND HIS AGENTS, SUB CONTRACTOR/ENGINEER/SURVEYOR, ARE COMPLETELY RESPONSIBLE FOR THE VERIFICATION OF THE ACCURACY OF THE DIMENSION CONTROL FURNISHED HEREIN. THE OWNER, AND HIS AGENTS, ARE NOT RESPONSIBLE FOR THE ACCURACY OF THE COORDINATES FURNISHED. THE CONTRACTOR IS REQUIRED TO VERIFY ALL OF THE COORDINATES FOR ACCURACY AND CONFIRM THE LOCATIONS OF ALL UTILITIES TO BE CONSTRUCTED, BOTH HORIZONTALLY AND VERTICALLY. DISCREPANCIES FOUND BY THE CONTRACTOR SHALL BE REPORTED, IN WRITING, TO THE OWNER IMMEDIATELY FOR RECONCILIATION.

HYDROMULCH NOTE:

ALL AREAS OF THE SITE INCLUDING ANY OFF-SITE AREA THAT IS DISTURBED BY CONSTRUCTION ACTIVITIES, SHALL RECEIVE AT A MINIMUM, HYDROMULCH AND 6" OF TOP-SOIL. REFER TO LANDSCAPE, DEMOLITION, GRADING, PAVING, DRAINAGE, WATER, SEWER, IRRIGATION AND SEDIMENT CONTROL PLANS TO DETERMINE ALL LIMITS OF DISTURBANCE. CONTRACTOR SHALL PROVIDE SOD AS REQUIRED ELSEWHERE IN THE PLANS.

!!! CRITICAL !!!

LOCATIONS OF EXISTING UTILITIES ARE APPROXIMATE AND ARE BASED ON PUBLIC RECORDS. THE CONTRACTOR IS COMPLETELY RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES, BOTH HORIZONTALLY AND VERTICALLY, BEFORE THE COMMENCEMENT OF ANY CONSTRUCTION.

UNDERGROUND FACILITIES AND TELEPHONE NUMBERS

THE LOCATION OF UNDERGROUND FACILITIES INDICATED ON THE PLANS IS TAKEN FROM THE PUBLIC RECORDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE ARRANGEMENTS WITH THE OWNERS OF SUCH UNDERGROUND FACILITIES PRIOR TO WORKING IN THE AREA TO CONFIRM THEIR EXACT LOCATION AND TO DETERMINE WHETHER ANY ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL UNDERGROUND FACILITIES.

UNDERGROUND FACILITY OWNER TELEPHONE NUMBER

AT&T	(800)288-2020
ATMOS MIDTX	(866)322-8667
ONCOR ELECTRIC DISTRIBUTION	(888)313-6862
SPECTRUM	(833)780-1880
UNITE PRIVATE NETWORKS LLC	(866)813-3608
CITY OF DALLAS WATER	(214)869-5107
CITY OF DALLAS WASTEWATER	(214)670-1770
ALL OTHER UTILITIES	(800)344-8377

THE PURPOSE OF THESE PLANS IS TO PROVIDE GUIDE FOR THE BIDDING PROCESS TO CONSTRUCT ALL ITEMS SHOWN HEREIN UNLESS DELETED BY REFERENCE.

ITEMS INCLUDING, BUT ARE BUT NOT LIMITED TO:
EXCAVATION (ALL SITE WORK SHOWN)
COMPACTED FILL (CONTROLLED DENSITY EMBANKMENT)
STORM SEWER LINES AND APPURTENANCES
DISPOSAL OF ALL DEMOLISHED MATERIALS AND TREES
STABILIZED SUBGRADE
CONCRETE PAVING 5" THICK AND MONO CURB
EXCAVATION (ALL SITE WORK SHOWN)

811 Know what's **below.** **Call** before you dig.

BENCHMARKS:

BM#1: STANDARD WATER DEPARTMENT BENCHMARK ON TOP OF CONCRETE CURB OF STORM SEWER INLET ON THE SOUTHEAST CORNER OF THE INTERSECTION OF JENNIE LEE LANE AND PRAIRIE CREEK ROAD. SET ON 5/19/2009.
LATITUDE: 6,962,449.829 (32°45'17.10062"N)
LONGITUDE: 2,532,554.779 (96°36'54.26593"W)
ELEVATION: 489.240

BM#2: A SQUARE IS CUT ON THE SOUTHEAST CORNER OF BOTTOM STEP AT THE EAST ENTRANCE ON THE SOUTHEAST CORNER OF ANNIE WEBB BLANTON SCHOOL AT THE INTERSECTION OF GREENMOUND AVENUE AND BLANTON STREET.
SET ON 5/19/2009
LATITUDE: 6,961,084.468 (32°45'3.76355"N)
LONGITUDE: 2,531,560.114 (96°40'6.191"W)
ELEVATION 507.850

PROPERTY LINES
CENTERLINE OF ROAD
SAWCUT/EASEMENT
EXISTING GAS LINE
OHE — OHE EXISTING OVERHEAD ELECTRIC LINES
UGE — UGE EXISTING UNDERGROUND ELECTRIC LINES
CATV — CATV EXISTING CABLE/TELEVISION LINES
F/O — F/O EXISTING FIBER-OPTIC LINES
T — T EXISTING TELEPHONE LINES
SS — SS EXISTING SANITARY SEWER LINES
W — W EXISTING WATER LINES
X — X — X — X BARBED-WIRE FENCE
CHAIN-LINK FENCE
[E] — [E] — [E] ELECTRIC FENCE
WOOD FENCE
MISC. FENCES (AS APPLICABLY NOTED)
STORM SEWER PIPE (OUTSIDE PIPE DIA. SHOWN)

FIRE HYDRANT
WATER VALVE
GAS METER
WATER METER
TELEPHONE RISER
POWER POLE
MAIL BOX
IRON PIN
TRAVERSE POINT
SIGN
FENCE CORNER
LIGHT POLE
GUY WIRE ANCHOR
TREE
BUSH
TRANSMISSION TOWER

FIRE HYDRANT
WATER VALVE
FIRE RISER
PLUG
WATER METER
IRRIGATION METER
DETECTOR CHECK
CURB INLET
GRATE INLET
STORM SEWER MANHOLE
SANITARY SEWER MANHOLE

THIS SPACE RESERVED - BLDG INSPECTION

THIS SPACE RESERVED - ENGINEERING

GENERAL NOTES

1. ALL MATERIALS AND CONSTRUCTION METHODS OF THE CONTRACT SHALL BE AS STATED IN THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) AND IN STRICT ACCORDANCE WITH THE STANDARDS OF THE CITY IN WHICH THE CONSTRUCTION OCCURS.
2. THE CONTRACTOR SHALL FIELD VERIFY THE VERTICAL AND HORIZONTAL LOCATION OF ALL EXISTING UTILITIES WITHIN THE LIMITS OF THE CONSTRUCTION AREA. BEFORE COMMENCING CONSTRUCTION, THE LOCATIONS OF ALL SPRINKLER SYSTEM LINES SHALL BE LOCATED BEFORE ANY EXCAVATION OCCURS. ANY DAMAGE TO SPRINKLER SYSTEM SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR AND SHALL BE INCLUDED IN THE CONTRACT PRICE.
3. THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY THE CONSTRUCTION TO THE ORIGINAL CONDITION OR BETTER. RESTORED AREAS INCLUDE BUT ARE NOT LIMITED TO TRENCH BACK FILL, SIDE SLOPES, FENCES, IRRIGATION SYSTEMS, CULVERT PIPES, DRAINAGE DITCHES, DRIVEWAYS, PRIVATE YARDS, AND ROADWAYS. THE CONTRACTOR SHALL INCLUDE PAVEMENT RESTORATION AND SHALL BE CONSIDERED SUBSIDIARY TO HIS BID PRICE.
4. ALL FENCES REMOVED TO FACILITATE CONSTRUCTION SHALL BE REPLACED AT THE EXISTING OR PROPOSED LOCATION AS DIRECTED BY THE OWNER'S PROJECT REPRESENTATIVE.
5. REMOVAL OF EXISTING CULVERTS AND DRAINAGE STRUCTURES WILL BE SUBSIDIARY TO THE BID PRICE.
6. IN THE EVENT THAT EXISTING UTILITIES SUCH AS WATER, GAS, TELEPHONE, ELECTRIC, ETC. MUST BE TAKEN OUT OF SERVICE TO FACILITATE CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE TEMPORARY UTILITIES TO THE SATISFACTION OF THE OWNER. BACK FILL FOR WATER AND SEWER LINES SHALL BE PER CITY DETAILS.
7. IF GROUNDWATER IS ENCOUNTERED WHEN LAYING UTILITY LINES, 3/4" WASHED ROCK MUST BE PLACED 6" BELOW AND 6" ABOVE THE UTILITY LINE.
8. ONE LANE OF TRAFFIC SHALL BE MAINTAINED AT ALL TIMES. ALL TRAFFIC CONTROL SIGNS, BARRICADES, AND FLAGGING SHALL BE INSTALLED IN ACCORDANCE WITH THE MOST CURRENT EDITION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. CONTRACTOR SHALL BE RESPONSIBLE FOR THE TRAFFIC CONTROL PLAN.
9. ADEQUATE MEASURES SHALL BE TAKEN TO PREVENT EROSION. IN THE EVENT THAT EROSION OCCURS AS A RESULT OF CONSTRUCTION, THE CONTRACTOR SHALL RESTORE THE ERODED AREA TO ORIGINAL CONDITION PRIOR TO HYDROMULCHING. HYDROMULCHING SHALL INCLUDE ALL TEMPORARY WATER COSTS.
10. CONTRACTOR SHALL STRIP TOP SOIL & STORE IN DESIGNATED STOCK PILE AREA SHOWN ON THE PLAN, OR AS DIRECTED BY THE OWNER'S PROJECT REPRESENTATIVE.
11. CONTRACTOR SHALL IDENTIFY ALL TREES TO BE SAVED AS INDICATED ON THE CONSTRUCTION DRAWINGS WITH PINK RIBBONS AND SHALL PROTECT AND SAVE ALL TREES AS MARKED. NO EXCAVATION, STOPPING, STANDING, STAGING, STORING, DRIVING OR PARKING ALLOWED IN DRIP LINE OF TREES UNLESS SHOWN ON THE CONSTRUCTION PLANS.
12. ROUGH GRADING SHALL BE WITHIN 0.1 FT. + OR – OF FINISHED GRADES SHOWN ON THE SITE GRADING. UNDER PAVEMENT FINISHED GRADES WILL BE CONSTRUCTED TO THE TOP OF SUBGRADE. FINISHED GRADE SHALL BE CONSTRUCTED AS SHOWN ON THE PLANS, WITHIN + OR – 0.02'.
13. THE CONTRACTOR SHALL INSTALL ALL GRAVITY LINES (SANITARY SEWER, STORM SEWER AND FRENCH DRAINS) BEFORE INSTALLATION OF WATER LINES AND APPURTENANCES.
14. THE CONTRACTOR, AND HIS AGENTS, SUB-CONTRACTOR/ENGINEER/SURVEYOR, ARE COMPLETELY RESPONSIBLE FOR THE VERIFICATION OF THE ACCURACY OF THE DIMENSION CONTROL FURNISHED HEREIN. THE OWNER, AND HIS AGENTS, ARE NOT RESPONSIBLE FOR THE ACCURACY OF THE COORDINATES FURNISHED. THE CONTRACTOR IS REQUIRED TO VERIFY ALL THE COORDINATES FOR ACCURACY AND CONFIRM THE LOCATIONS OF ALL UTILITIES TO BE CONSTRUCTED, BOTH HORIZONTALLY AND VERTICALLY. DISCREPANCIES FOUND BY THE CONTRACTOR SHALL BE REPORTED, IN WRITING, TO THE OWNER IMMEDIATELY FOR RECONCILIATION.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) REQUIRED FOR THIS PROJECT. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THE SWPPP IN ACCORDANCE WITH THE REQUIREMENTS OF THE TPDES GENERAL PERMIT TXR 1500000. THE CONTRACTOR SHALL SPECIFY THE PLAN AS A JOINT SWPPP FOR BOTH THE CONTRACTOR AND THE OWNER. THE OWNER WILL PREPARE THE OWNER'S N.O.I. BUT THE CONTRACTOR SHALL SUBMIT BOTH THE CONTRACTOR'S AND THE OWNER'S N.O.I. AFTER COMPLETION OF THE SWPPP TO THE TCEQ. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR SUBMITTING OTHER DOCUMENTS REQUIRED BY THE TPDES GENERAL PERMIT TXR 1500000, INCLUDING THE N.O.T. ALL DOCUMENTS SHALL BE SUBMITTED ACCORDING TO THE SCHEDULE INDICATED IN THE TPDES GENERAL PERMIT TXR 1500000.
16. ALL TREES WITHIN THE CONSTRUCTION ZONE SHALL BE WARRANTED FOR SURVIVAL BY THE CONTRACTOR FOR ONE YEAR AFTER THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY TO THE OWNER. ANY TREES THAT DIE PRIOR TO OR WITHIN THE WARRANTY PERIOD SHALL BE REPLACED WITHIN 10 DAYS OF A WRITTEN REQUEST FROM THE OWNER WITH THE SAME SIZE AND SPECIES OF TREES. THE CONTRACTOR SHALL INCLUDE THIS COST IN HIS BID PRICE.
17. CONTRACTOR SHALL PROVIDE TO THE ENGINEER, COPIES OF ALL DENSITY TESTS AND CYLINDER BREAKS. INCLUDING REPORTS OF DENSITY TESTS ON ALL BACK FILL FOR THE UTILITY LINES.
18. BEFORE SUBMITTING THEIR BID, EACH BIDDER MUST: (A) EXAMINE THE CONTRACT DOCUMENTS THOROUGHLY, (B) VISIT THE SITE TO FAMILIARIZE THEMSELVES WITH LOCAL CONDITIONS THAT MAY IN ANY MANNER AFFECT PERFORMANCE OF THE WORK, (C) FAMILIARIZE THEMSELVES WITH FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, RULES AND REGULATIONS WHICH MAY IN ANY MANNER AFFECT PERFORMANCE OF THE WORK, AND (D) CAREFULLY CORRELATE THEIR OBSERVATIONS WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. REFERENCE IS MADE TO THE SUPPLEMENTARY CONDITIONS FOR THE IDENTIFICATION OF THE SURVEYS AND INVESTIGATION REPORTS OF SUBSURFACE OR LATENT EXISTING PHYSICAL CONDITIONS AFFECTING THE CONTRACT DOCUMENTS OR SPECIFICATIONS. THE DATA IS FURNISHED FOR INFORMATION ONLY AND NEITHER THE OWNER NOR ENGINEER GUARANTEES THE ACCURACY OF SUCH DATA. BEFORE SUBMITTING THEIR BID EACH BIDDER WILL AT THEIR OWN EXPENSE, MAKE SUCH ADDITIONAL SURVEYS AND INVESTIGATIONS AS THEY MAY DEEM NECESSARY TO DETERMINE THEIR BID PRICE FOR PERFORMANCE OF THE WORK WITHIN THE TERMS OF THE CONTRACT DOCUMENTS.
19. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR ALL UTILITIES.
20. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EROSION CONTROL MEASURES ONCE FINAL GROUND STABILIZATION IS ESTABLISHED.
21. A TRAFFIC CONTROL PLAN THAT COMPLIES WITH THE REQUIREMENTS SET FORTH IN THE WORK AREA TRAFFIC CONTROL MANUAL SHALL BE SUBMITTED BY THE CONTRACTOR TO AND APPROVED BY THE DEPARTMENT OF PUBLIC WORKS, TRAFFIC ENGINEERING MANAGER PRIOR TO THE INSTALLATION OF THE DRIVE APPROACHES.
22. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION OF THIS PROJECT WITH THE CONSTRUCTION SERVICES MANAGER. NOTIFICATION SHOULD BE MADE AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION SO THAT AN INSPECTOR MAY BE ASSIGNED TO THIS PROJECT.
23. CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT CITY STANDARD DETAILS.
24. IN THE CASE OF AN INCONSISTENCY BETWEEN DRAWINGS AND SPECIFICATIONS OR WITHIN EITHER DOCUMENT NOT CLARIFIED BY ADDENDUM, THE BETTER QUALITY OR GREATER QUANTITY OF WORK SHALL BE PROVIDED IN ACCORDANCE WITH THE ENGINEERS INTERPRETATION.
25. ALL EXISTING UTILITY LINE REPLACEMENTS SHALL BE COMPLETED WITH THE SAME MATERIAL AS THE EXISTING FACILITY OR PER CURRENT CITY REQUIREMENTS.
26. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DISPOSE OF ALL SURPLUS SOIL AND EXCAVATED MATERIAL NOT SUITABLE OR REQUIRED FOR FILL AND BACK FILL. THE MATERIAL SHALL BE HAULED OFF SITE AND DISPOSED OF IN A LEGAL MANNER, NO SPECIAL PAY.
27. THE CONTRACTOR SHALL USE EXTREME "CAUTION" WHEN WORKING IN AREAS ADJACENT TO GAS LINES, UNDERGROUND ELECTRIC CABLE, FIBER OPTIC CABLE AND UNDERGROUND TELEPHONE CABLE. ANY UTILITY FOUND IN CONFLICT WITH PROPOSED NEW GRADING, OR UTILITY INFRASTRUCTURE, SHALL BE ADJUSTED, MOVED, OR RELOCATED TO FACILITATE NEW CONSTRUCTION.
28. ALL DITCHES WILL BE BACK FILLED AT THE END OF EACH DAY. NO TRENCHES WILL BE LEFT OPEN OVERNIGHT.
29. WHEN THE PROPOSED UTILITIES CONFLICT WITH AN EXISTING STRUCTURE (CULVERT, MAILBOX, ETC.), THE CONTRACTOR MAY BORE OR REPLACE SAID STRUCTURE AT NO EXTRA COST IF NOT CALLED FOR IN PLANS TO BE REPLACED.
30. ALL DITCHES WILL BE REGRADED AFTER THE CONSTRUCTION HAS BEEN COMPLETED. NO EXTRA PAYMENT WILL BE MADE FOR THIS. ALL DISTURBED AREAS SHALL BE HYDRO-MULCHED UPON COMPLETION OF GRADE WORK.
31. TxDOT APPROVAL MUST BE OBTAINED PRIOR TO CONSTRUCTION IN STATE HIGHWAY RIGHT-OF-WAY.
32. WHERE EXISTING UTILITIES OR SERVICE LINES ARE CUT, BROKEN OR DAMAGED, THE CONTRACTOR SHALL REPLACE OR REPAIR THE UTILITIES OR SERVICE LINES WITH THE SAME TYPE OF ORIGINAL MATERIAL AND CONSTRUCTION, OR BETTER UNLESS OTHERWISE SHOWN OR NOTED ON THE PLANS, AT HIS OWN COST AND EXPENSE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONFLICTS IN GRADES AND ALIGNMENT.
33. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR OBTAINING AND ADMINISTERING THE TRENCH SAFETY PLAN FOR THIS PROJECT PRIOR TO COMMENCING ANY UTILITY CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN THE TRENCH SAFETY PLAN AS PREPARED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED WITHIN THE STATE OF TEXAS. THE TRENCH SAFETY PLAN SHALL BE SPECIFIC TO THIS PROJECT, AND SUBMITTED TO THE ENGINEER, AND APPROPRIATE CITY OFFICIAL WITHIN THE CITY IN WHICH THE WORK OCCURS. ALL EXCAVATION, TRENCHING, AND SHORING OPERATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE U.S. DEPARTMENT OF LABOR, OSHA, AND ANY LOCAL, STATE OR FEDERAL REGULATIONS FOR SAFETY THAT ARE IN EFFECT. "CONST. SAFETY AND HEALTH REGULATIONS, VOL. 29, SUB PART P, PG. 128-137, AND ANY AMENDMENTS THERETO.
34. THE CONTRACTOR SHALL NOT SCALE THE PLANS.
35. STATE LAW REQUIRES THAT DIG-TESS (1-800-344-8377) BE CONTACTED 48 HOURS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES.
36. CONTRACTOR SHALL VIDEO TAPE "ALL" AREAS ALONG THE PERIMETER OF ALL CONSTRUCTION AND AREAS TO BE USED FOR STAGING PRIOR TO ANY CONSTRUCTION. CONTRACTOR SHALL PROVIDE THE OWNER & ENGINEER WITH A COPY OF THIS VIDEO ON DVD FOR THEIR RECORDS AT THE PRE-CONSTRUCTION MEETING. ITEMS DAMAGED BY CONSTRUCTION NOT INTENDED FOR DEMOLITION SHALL BE REPLACED TO "AS GOOD AS" OR "BETTER THAN" CONDITION PRIOR TO CONSTRUCTION.
37. CONTRACTOR SHALL INCLUDE IN HIS BID PRICE, ALL COSTS ASSOCIATED WITH PROVIDING TEMPORARY DE-WATERING OF THE SITE UNTIL THE STORM DRAINAGE IMPROVEMENTS ARE COMPLETED. THE DRAINAGE SYSTEM & SITE SHALL REMAIN AS DRY AS POSSIBLE AT ALL TIMES DURING CONSTRUCTION. THE METHOD OF DE-WATERING SHALL BE SUFFICIENT ENOUGH AS TO PREVENT THE FORMATION OF MUCK, SLUDGE, ETC. IN THE LOW AREAS.
38. ALL AREAS GRADED SHALL BE "BLUE-TOPPED" ON A 25' GRID PRIOR TO FINAL GRADING TO INSURE COMPLIANCE WITH THE GRADING PLAN. NO LOW POINTS IN THE GRADING SHALL BE ACCEPTABLE WITH THE EXCEPTIONS OF INLETS. ALL GRADED AND OR DISTURBED AREAS OF THE SITE SHALL BE HYDRO-MULCHED WITH A SEED MIX OR SODDED AS SHOWN ON THE LANDSCAPE & DEMOLITION PLANS.
39. THE CONTRACTOR SHALL RE-ESTABLISH ANY PROPERTY MARKER, BENCHMARK, ETC. DISTURBED DURING CONSTRUCTION TO ITS ORIGINAL LOCATION AND ELEVATION. NO ADDITIONAL PAY.
40. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VERTICAL AND HORIZONTAL CONTROL SHOWN ON THE PLANS THROUGHOUT THE PROJECT.
41. THE CONTRACTOR SHALL NOT PLACE FILL OR WASTE MATERIAL ON ANY PRIVATE PROPERTY WITHOUT PRIOR WRITTEN AGREEMENT WITH SAID OWNER.
42. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING SIGNS, UTILITY POLES, SPRINKLER SYSTEMS, ETC. INCLUDING BUT NOT LIMITED TO, RELOCATION OF GUY WIRES, UTILITY POLES, ETC. AS REQUIRED DURING CONSTRUCTION. THIS WORK SHALL BE SUBSIDIARY TO THE BID PRICE.
43. ALL PAVEMENT CUTS SHALL BE NEAT SAW CUT LINES. ALL PAVEMENT SHALL BE SAW CUT PRIOR TO EXCAVATION.
44. ALL NECESSARY INSPECTIONS AND/OR CERTIFICATIONS REQUIRED BY CODES, JURISDICTIONAL AGENCIES AND/OR UTILITY SERVICE COMPANIES SHALL BE OBTAINED BY THE CONTRACTOR PRIOR TO BUILDING POSSESSION AND THE FINAL CONNECTION OF SERVICES.
45. CONTRACTOR SHALL VERIFY BENCHMARKS AND DATUM PRIOR TO COMMENCING CONSTRUCTION OR STAKING OF IMPROVEMENTS.
46. CONTRACTOR SHALL THOROUGHLY CHECK COORDINATION OF CIVIL, LANDSCAPE, MEP, ARCHITECTURAL, AND OTHER PLANS PRIOR TO COMMENCING CONSTRUCTION. OWNER AND ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY PRIOR TO COMMENCING WITH CONSTRUCTION.
47. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF DUST AND DIRT RISING AND SCATTERING IN THE AIR DURING CONSTRUCTION AND SHALL PROVIDE WATER SPRINKLING OR OTHER SUITABLE METHODS OF CONTROL. THE CONTRACTOR SHALL COMPLY WITH ALL GOVERNING REGULATIONS PERTAINING TO ENVIRONMENTAL PROTECTION.
48. UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE THE CIVIL ENGINEER A COPY OF RECORD DRAWINGS IDENTIFYING ALL CHANGES OR VARIATIONS FROM THE ORIGINAL PLANS.
49. CONTRACTOR SHALL CONTACT CITY BUILDING OFFICIAL TO LEARN OF ANY UNUSUAL CONSTRUCTION SEQUENCING REQUIREMENTS THAT THE CITY MAY REQUIRE. THE CONTRACTOR IS CAUTIONED THAT THIS AND PERHAPS OTHER SUCH REQUIREMENTS MAY EXIST AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO INVESTIGATE AND COMPLY WITH THEM.
50. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING ALL FIELD CHANGES TO THE PLANS. THE PROJECT ENGINEER SHALL INCORPORATE THESE CHANGES INTO RECORD DRAWINGS AS REQUIRED.
51. THE CONTRACTOR SHALL PROVIDE AN "AS-BUILT" SURVEY OF THE SITE, OR ANY AREA THEREOF IF REQUESTED BY THE ENGINEER OR THE CITY OR FOR GRADE VERIFICATION. THE "AS-BUILT" SHALL PROVIDE ELEVATIONS WITH AN ACCURACY OF 0.01' WITH A MINIMUM SHOT GRID OF 25'. IT SHALL BE ON THE SAME COORDINATE PLANE AS THE ORIGINAL DRAWINGS, SHALL SHOW ALL PHYSICAL FEATURES AND UTILITIES BOTH ABOVE AND BELOW GRADE AND SHALL BE SIGNED AND SEALED BY A LICENSED SURVEYOR IN THE STATE OF TEXAS.
52. THE CONTRACTOR SHALL BE PROHIBITED FROM PLACING SPOILS FROM PIERS, GRADE BEAMS AND OTHER CUT MATERIALS BELOW 3' UNDER ANY PAVING/SIDEWALKS ADJACENT TO BUILDING OR BACKFILL FOR GRADE BEAMS.
53. ALL ROADWAY, DRIVE AND SIDEWALK SHALL BE CONSTRUCTED INTEGRAL WITH CURB/WALK PAVING.
54. ALL EXISTING TREES TO REMAIN EITHER ADJACENT TO OR WITHIN THE LIMITS OF DEMOLITION SHALL HAVE TREE PROTECTION FENCING INSTALLED TO INCLUDE FULL CANOPY OF TREE.

EROSION CONTROL NOTES:

1. EROSION CONTROL MEASURES SHALL FOLLOW THE STORM WATER POLLUTION PREVENTION PLAN (S.W.P.P.P.) THAT IS KEPT ONSITE AT ALL TIMES WITH THESE CONSTRUCTION DOCUMENTS FOR COMPLIANCE WITH THE T.P.D.E.S. GENERAL PERMIT
2. IN ADDITION, THE CONTRACTOR SHALL INCLUDE IN THEIR BID PROPOSAL CONTRACTOR SHALL COORDINATE WITH EXCAVATOR, LANDSCAPE, AND IRRIGATION CONTRACTORS TO DETERMINE EARLIEST POSSIBLE DATE TO INSTALL GRASSING AS NOTED ON THE LANDSCAPE PLAN
3. THE STABILIZED CONSTRUCTION ENTRANCE HAS BEEN SHOWN ARBITRARILY. IT IS THE GENERAL CONTRACTOR'S CHOICE (IN COMPLIANCE WITH ALL CITY AND STATE REGULATIONS) TO DETERMINE THE LOCATION(S) OF PROJECT INGRESS / EGRESS POINTS. HOWEVER ALL ENTRANCES AT ALL TIMES SHALL BE PREPARED IN ACCORDANCE WITH THE STABILIZED CONSTRUCTION ENTRANCE DETAILS AND CONTINUOUSLY MAINTAINED UNTIL FINAL PAVING IS ESTABLISHED. CHANGES TO THIS EROSION CONTROL PLAN ARE TO BE LOGGED IN THE SWPPP
4. STABILIZED MATS (CURLEX BLANKET AND 70% COVER OF VEGETATION) ACHIEVING EROSION-FREE CONDITIONS MUST BE IN PLACE AND EFFECTIVE BY THE PROJECT POSSESSION DATE
5. A TEMPORARY ALL-WEATHER SURFACE TO AND COMPLETELY AROUND THE BUILDING PAD SHALL BE REQUIRED DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH FIRE MARSHALL TO DETERMINE ANY VEHICULAR FIRE ACCESS REQUIRED DURING CONSTRUCTION
6. THE EROSION CONTROL PLAN WILL INCORPORATE EROSION CONTROL MEASURES AND TECHNIQUES TO PREVENT SEDIMENTATION AND ERODED SOIL FROM LEAVING THE SITE EITHER IN EXISTING STORM DRAIN SYSTEM OR ONTO ADJACENT PRIVATE AND PUBLIC PROPERTY. CONSTRUCT TEMPORARY EROSION CONTROL SYSTEMS AS SHOWN ON THE PLANS TO PROTECT ADJACENT PROPERTIES AND WATER RESOURCES FROM EROSION AND SEDIMENTATION. CONTRACTOR SHALL NOTIFY CONSULTING ENGINEER AT ONCE IF SITE CONDITIONS WARRANT ADDITIONAL EROSION CONTROL MEASURES. CONTRACTOR IS RESPONSIBLE FOR TAKING IMMEDIATE ACTION TO REMEDY EROSION CONTROL PROBLEMS WHILE ENGINEER IS PREPARING RESPONSE
7. THE CONTRACTOR SHALL STABILIZE THE EARTHEN SLOPE AREAS IN ACCORDANCE WITH THE LANDSCAPE PLAN WITHIN 72 HOURS AFTER FINAL GRADE AND TOPSOIL HAS BEEN ESTABLISHED IN ACCORDANCE WITH THE PROJECT SITEWORK SPECS
8. PRIOR TO COMMENCING ANY CONSTRUCTION, A CONSTRUCTION ENTRANCE AND PERIMETER SILT FENCE SHALL BE INSTALLED AT THE LOCATION(S) SHOWN
9. AS INLETS ARE COMPLETED, TEMPORARY SEDIMENT BARRIERS SHALL BE INSTALLED
10. AT THE COMPLETION OF THE PAVING AND FINAL GRADING, THE DISTURBED AREA(S) SHALL BE REVEGETATED IN ACCORDANCE WITH THE PLANS
11. SILT FENCE AND INLET SEDIMENT BARRIERS SHALL REMAIN IN PLACE UNTIL REVEGETATION HAS BEEN COMPLETED
12. DISTURBED AREAS THAT ARE SEEDED OR SODDED SHALL BE CHECKED PERIODICALLY TO SEE THAT GRASS COVERAGE IS PROPERLY MAINTAINED. UNSURED AREAS SHALL BE WATERED, FERTILIZED, AND RESEEDED OR RESODDED, IF NECESSARY
13. ALL EROSION CONTROL MEASURES TO BE PLACED BASED ON CONTRACTOR'S BEST JUDGMENT AND CONSTRUCTION PHASING TO MINIMIZE SILT RUNOFF TO THE MAXIMUM EXTENT PRACTICABLE
14. TEMPORARY INLET PROTECTION TO BE REMOVED OR ADDED BASED ON EXISTING STORM SEWER REMOVAL AND/OR PROPOSED STORM SEWER CONSTRUCTION. FUNCTIONING INLETS SHALL BE INLET PROTECTED AT ALL TIMES. (USE PIPE INLET PROTECTION IF NEEDED)
15. STONE CONSTRUCTION ENTRANCES TO BE PLACED, MODIFIED ON THIS PLAN AND LOGGED IN THE SWPPP BASED ON CONSTRUCTION MANAGER'S ON-SITE DECISIONS TO CONTROL EROSION TO THE MAXIMUM EXTENT PRACTICABLE CONSTRUCTION ENTRANCES TO BE PLACED BASED ON CONSTRUCTION PHASING
16. CONTRACTOR SHALL DESIGN AND CONSTRUCT THE WASH-OUT PIT AND CONTAINMENT BASIN IN ACCORDANCE WITH THE STORM WATER POLLUTION PLAN FOR THE PROJECT AND SUBMIT PROPOSED LOCATIONS TO THE ENGINEER FOR APPROVAL PRIOR TO BEGINNING ANY CONSTRUCTION

STORM SEWER GENERAL NOTES

1. ALL STORM SEWER LINES AND APPURTENANCES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THESE PLANS, THE RULES, REGULATIONS AND POLICIES PREVAILED PROCEDURES OF THE CITY IN WHICH THE CONSTRUCTION OCCURS.
2. MANHOLE TOPS & CLEAN-OUTS SHALL BE SET TO THE GRADE ESTABLISHED BY THE SITE GRADING PLAN OR APPLICABLE PLAN-PROFILE SHEETS AND SHALL BE FLUSH WITH FINISHED GRADE.
3. OMNI-FLEX JOINT SEALER, OR APPROVED EQUAL, AND PREFABRICATED BENDS AND WYES SHALL BE USED ON ALL STORM SEWER PIPE CONNECTIONS AND JUNCTIONS FOR RCP PIPE. ALL HDPE PIPE SHALL USE WATER TIGHT JOINTS.
4. CONTRACTOR MAY ELECT TO USE CORRUGATED, SMOOTH INTERIOR LINED HIGH-DENSITY POLYETHY

WATER GENERAL NOTES

1. THE CONTRACTOR SHALL INSTALL WATER AND SEWER LINES SO AS TO AVOID CONFLICTS WITH OTHER UTILITIES. WATER/SEWER LINE SEPARATIONS SHALL BE MAINTAINED PER TEXAS COMMISSION ON ENVIRONMENTAL QUALITY.
2. HORIZONTAL BLOCKING HAS BEEN OMITTED FOR CLARITY. HOWEVER, BLOCKING SHALL BE CONSTRUCTED PER CITY STANDARDS, CONCRETE BLOCKING SHALL BE PLACED AT ALL VALVES, BENDS, TEES AND PLUGS.
3. ALL GATE VALVES FROM 12 INCH TO 16 INCHES SHALL BE OF THE RESILIENT SEAT TYPE.
4. THE UTILITY CONTRACTOR SHALL CONTACT THE CONSTRUCTION SERVICES MANAGER IN PUBLIC WORKS DEPARTMENT/INSPECTIONS PRIOR TO BEGINNING CONSTRUCTION ON ANY PRIVATE WATER LINES.
5. THE UTILITY CONTRACTOR SHALL CONTACT THE PUBLIC WORKS DEPARTMENT/INSPECTIONS, PRIOR TO INSTALLING THE DETECTOR CHECK.
6. APPROVED PERMANENT BLUE REFLECTIVE FIRE HYDRANT MARKERS SHALL BE PROVIDED ON THE PAVING ADJACENT TO EACH HYDRANT IN THE CENTER OF THE STREET OR FIRE LANE TO ASSIST FIREFIGHTERS WITH LOCATING ON-SITE FIRE HYDRANTS.
7. PROVIDE LICENSED FIRE SPRINKLER CONTRACTORS SHOP DRAWINGS AND HYDRAULIC CALCULATIONS FOR THE AUTOMATIC SPRINKLER SYSTEM FOR REVIEW AND APPROVAL BY THE FIRE DEPARTMENT AS SOON AS POSSIBLE AND PRIOR TO STARTING INSTALLATION.
8. THE FIRE DEPARTMENT CONNECTION FOR THE SPRINKLER SYSTEM IS A 4" STORZ CONNECTION AND SHALL BE WITHIN 50 FEET OF THE FIRE LANE AND WITHIN 150 FEET OF A FIRE HYDRANT, UNLESS OTHERWISE REQUIRED BY THE CITY.
9. ALL PROPOSED WATER AND SANITARY SEWER LINES ARE TO BE LOCATED AS SHOWN ON THE PLANS. ALL LINES LOCATED WITHIN AREAS OF PAVEMENT SHALL HAVE THE TOP 8" OF BACK FILL REPLACED WITH CRUSHED STONE INCLUDING SERVICES. (NO SEPARATE PAY)
10. ALL WATER MAIN CLEARANCE FOR PARALLEL SANITARY SEWER MAIN SHALL BE A MINIMUM SEPARATION OF 2 FEET VERTICAL AND 9 FEET HORIZONTAL.
11. SERVICE LOCATION TO BE STAMPED ON CURB WITH 2" HIGH LETTER "W"
12. UTILITY CONTRACTOR TO FURNISH AND INSTALL WATER METER BOXES AFTER THE PAVING CONTRACTOR HAS COMPLETED.
13. CORPORATION STOPS SHOULD BE TESTED FOR LEAKAGE AND FULL FLOW WHEN SYSTEM IS PRESSURE TESTED.
14. ANY CHANGES FROM APPROVED CONSTRUCTION PLANS SHALL BE APPROVED BY THE WATER UTILITY DEPARTMENT AND A CHANGE ORDER MUST BE OBTAINED FROM THE DESIGN ENGINEER. ANY DERIVATIONS FROM THE STATE REGULATIONS SHALL BE APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
15. SERVICE LINE PAY ITEMS WILL INCLUDE TAPPING OF WATER MAIN AND NECESSARY SERVICE LINE AND FITTINGS AS PER STANDARD DETAIL.
16. THE BID ITEM FOR REMOVAL AND THE SALVAGING OF FIRE HYDRANTS WILL INCLUDE REMOVAL IN A WORKMANLIKE MANNER SO THAT THE FIRE HYDRANT MAY BE REINSTALLED ELSEWHERE WITH THE CITY, OR ON SITE. THE REMOVAL WILL INCLUDE PLUGGING THE EXISTING WATER LINE, TRANSPORTING THE FIRE HYDRANT WITH AUXILIARY VALVE, IF APPLICABLE, TO THE LOCATION DETERMINED BY THE PROJECT OWNER OR AUTHORIZED PROJECT OWNER'S REPRESENTATIVE.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISINFECTION, CHLORINATION AND FLUSHING REQUIREMENTS OF THE CITY. THIS SHALL INCLUDE PROVIDING TEMPORARY ISOLATION VALVES, PLUGS, INJECTION PORTS, FLUSHING VALVES, TOOLS AND EQUIPMENT NECESSARY TO COMPLETE THE TASK.
18. ALL PVC PIPE AND APPURTENANCES (FITTINGS,VALVES, NIPPLES, ETC.) 3" DIA. AND SMALLER SHALL BE CONSTRUCTED AS SHOWN. (NO SEPARATE PAY)
19. CONTRACTOR SHALL LOCATE, PRESERVE AND PROTECT EXISTING WATER SERVICES. ANY WATER SERVICES DAMAGED DURING CONSTRUCTION SHALL BE REPLACED ENTIRELY FROM THE WATER METER TO THE MAIN LINE AT THE CONTRACTOR'S EXPENSE. NO SPLICING IS ALLOWED.
20. CONTRACTOR SHALL FIELD LOCATE EXISTING WATER LINES TO BE CONNECTED TO PRIOR TO COMMENCING WORK. IF A DISCREPANCY EXISTS BETWEEN THE PLANS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY. SUCH VERIFICATION SHALL BE CONSIDERED SUBSIDIARY TO THE BID PRICE WITH NO SPECIAL PAY.
21. ALL WATER LINES AND APPURTENANCES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THESE PLANS, THE RULES, REGULATIONS, POLICIES, AND PROCEDURES OF THE CITY IN WHICH THE CONSTRUCTION OCCURS.
22. ALL RPZ TYPE BACKFLOW PREVENTERS SHALL BE INSTALLED IN A FREEZE-PROOF ENCLOSURE WITH HEATER AND THERMOSTAT. CONTRACTOR SHALL ENSURE THAT ELECTRICITY IS PROVIDED FOR THE HEATER IN COMPLIANCE WITH ALL APPLICABLE BUILDING CODES.
23. ALL WATER SERVICES SHALL BE RECONNECTED TO THE MAIN AND SHALL BE CONSIDERED SUBSIDIARY TO THE BID PRICE.
24. ALL ABOVE GROUND RPZ'S THAT ARE EXTERIOR TO THE BUILDING SHALL HAVE AN ENCLOSED INSULATED AND HEATED BOX PROVIDED. POWER SHALL BE PROVIDE AS DESIGN BUILD TO THE CLOSEST CIRCUIT CAPABLE OF POWER REQUIREMENTS.
25. ALL SERVICE TAPS TO MAINS SHALL INCLUDE FULL DEPTH, SAWCUT, REMOVAL OF EXISTING PAVEMENT AND REPLACEMENT OF PAVEMENT FULL PANEL AND AS REQUIRED BY GOVERNING ENTITY.
26. ALL SERVICE TAPS SHALL BE INSTALLED AS REQUIRED BY GOVERNING ENTITY
27. ALL FIRE HYDRANT ASSEMBLIES SHALL INCLUDE A FIRE HYDRANT, 6" DR-14, C-900 PVC WATER PIPE, TEE AND RESILIENT SEAT GATE VALVE AND VALVE BOX.
28. ALL WATER LINES SHALL BE PVC PIPE CONFORMING TO AWWA STANDARD C900 DR-14 MINIMUM, WITH NSF SEAL UNLESS STATED DIFFERENTLY OR CONSTRUCTION PLANS. PRESSURE TESTED AND DISINFECTED IN ACCORDANCE WITH THE NCTCOG STD. SPECS. WATER MAINS TO HAVE A MINIMUM OF 42" COVER TO TOP OF PIPE AS MEASURED FROM THE TOP OF PIPE TO THE EXISTING GROUND OR PROPOSED FINISHED GRADE, WHICHEVER IS GREATER. SERVICE LINE CONNECTORS SHALL BE COMPRESSION-TYPE WITH STAINLESS STEEL TUBE LINERS.
29. FIRE HYDRANTS SHALL BE LOCATED OUTSIDE OF SIDEWALK.
30. ALL WATER LINES TO BE ENCASED IN SAND. BACK FILL SHALL BE SELECT MATERIAL COMPACTED TO 95% STANDARD PROCTOR DENSITY.
31. ALL WATER METERS INSTALLED UNDER THIS CONTRACT SHALL ADHERE TO TCEQ REGULATIONS. ALL METERS SHALL BE INSTALLED WITH DOUBLE CHECK VALVES IN ACCORDANCE WITH TCEQ REGULATIONS.
32. FIRE HYDRANT ASSEMBLY BID ITEMS WILL INCLUDE THE FIRE HYDRANT, THE PIPE EXTENSION FROM THE TEE, AND ALL NECESSARY FITTINGS INCLUDING THE 6" GATE VALVE AND BOX. ALL VALVES AND FIRE HYDRANTS TO BE PER CITY SPECIFICATIONS. HYDRANTS TO BE PAINTED PER CITY STANDARD.
33. ANY WATER VALVES LOCATED WITHIN PAVEMENT AREAS SHALL BE ADJUSTED TO FINAL GRADE BY THE PAVING CONTRACTOR. THE PAVING CONTRACTOR SHALL CONSTRUCT A TYPICAL CONCRETE BLOCK OUT PER DETAILS.
34. WATER LINES WILL BE INSTALLED AS SHOWN ON THE PLANS. HOWEVER, FIELD ADJUSTMENTS APPROVED BY THE INSPECTOR OR ENGINEER MAY BE MADE TO LESSEN DAMAGE TO THE ROAD PAVEMENT OR WHEN OTHER UTILITY LOCATIONS, TREES, OR STRUCTURES WARRANT SUCH AN ADJUSTMENT.
35. ALL FITTINGS TO BE DUCTILE IRON MECHANICAL JOINT W/ MEGA LUGS. THE BID ITEM FOR D.I.M.J. FITTINGS WILL INCLUDE ALL NECESSARY BLOCKING.
36. VALVES, FIRE HYDRANTS, BENDS, AND ASSOCIATED APPURTENANCES SHALL BE INSTALLED WHERE DESIGNATED ON THESE PLANS. ANY DEVIATION FROM THE PLANS SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE AND ENGINEER.

PAVING AND STRIPING GENERAL NOTES

1. NO SAND SHALL BE USED UNDER ANY PAVEMENT – NO EXCEPTIONS.
2. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ARCHITECT DETAILING LOCATION AND LAYOUT OF CONSTRUCTION JOINTS, EXPANSION JOINTS AND SAW CUTS FOR ALL CONCRETE PAVING ON THE SITE. (DRIVES, SIDEWALKS, ETC.)
3. AN EXPANSION JOINT AS DETAILED, WITH A CONCRETE HEADER, SHALL BE CONSTRUCTED AT THE END OF EACH DAY'S CONCRETE PLACEMENT.
4. CONTRACTOR SHALL REPAIR ALL HONEYCOMBING PRIOR TO BACK FILL.
5. THE CONTRACTOR SHALL NOT STAND, PARK, DRIVE ON, OR IN ANY WAY DISTURB OR DAMAGE STEEL REINFORCING FOR SITE WORK. ALL REINFORCEMENT SHALL BE CHAIRED UP ACCORDING TO PLANS AND SPECIFICATIONS.
6. SUBGRADE SHALL BE MAINTAINED TO WITHIN THE SPECIFIED REQUIREMENTS OF MOISTURE AND DENSITY UNTIL PAVING IS PLACED. PRIOR TO PLACING PAVEMENT, THE CONTRACTOR SHALL RE-TEST THE AREAS SELECTED BY THE CONSTRUCTION MATERIALS TESTING LAB PERSONNEL AT THE CONTRACTORS OWN EXPENSE, OR IF REQUESTED BY THE OWNER, ARCHITECT OR ENGINEER, AND IF THE SUBGRADE HAS BEEN PLACED AND ACCEPTED FOR LONGER THAN TEN (10) DAYS AND NO PAVEMENT HAS BEEN CONSTRUCTED.
7. ALL SITE EXPANSION JOINTS SHALL BE CONSTRUCTED OF REDWOOD.
8. ALL SIDEWALKS, SEPARATE CURBS, FLUMES AND MOW STRIPS SHALL HAVE TOOLED JOINTS AT A MAXIMUM SPACING OF 5' CCEW AND EXPANSION JOINTS AT A MAXIMUM OF 30' CCEW. ALL JOINTS SHALL BE INSTALLED WITHIN 10 HOURS OF PLACEMENT.
9. ALL SITE PAVING SHALL HAVE SAW CUT JOINTS ON A MAXIMUM OF 12' CCEW AND EXPANSION JOINTS ON A MAXIMUM OF 90' CCEW. ALL JOINTS SHALL BE INSTALLED WITHIN 10 HOURS OF PLACEMENT.
10. WHERE REINFORCING IS NOT SPECIFICALLY DETAILED, REINFORCING FOR PAVING SHALL BE AT A MINIMUM, NO. 4 REBARS AT 12" O.C.E.W.
11. UNLESS SPECIFICALLY NOTED ON PLANS, ALL CONCRETE PAVING, SIDEWALKS, SLABS, AND MISCELLANEOUS UTILITY INFRASTRUCTURES SHALL BE AT A MINIMUM, 4,000 PSI PORTLAND CEMENT CONCRETE AT 28 DAYS.
12. THE CONTRACTOR SHALL BACK FILL ALL CURBS WITHIN 48 TO 72 HOURS OF PLACEMENT.
13. STREET CUT PERMIT (ISSUED BY PUBLIC WORKS DEPARTMENT) IS REQUIRED BEFORE CUTTING IN ANY CITY STREET.
14. ALL EXISTING DRIVEWAYS SHALL BE CONNECTED TO THE PROPOSED PAVEMENT AS DETAILED.
15. THE SIDEWALKS AND/OR PEDESTRIAN ROUTES, AS SHOWN ON THESE PLANS, SHALL BE CONSTRUCTED TO COMPLY WITH ALL ADA REQUIREMENTS. BARRIER FREE RAMPS SHALL BE CONSTRUCTED AT THE LOCATIONS SHOWN ON THE PLANS. ALL RAMPS LONGER THAN 6' LONG SHALL INCLUDE HANDRAILS WITH EDGE PROTECTION AS REQUIRED BY TDLR.
16. ALL TALL CURBS OR RETAINING WALLS WITH AN ELEVATION CHANGE OF 30" OR GREATER SHALL BE CONSTRUCTED WITH GUARDRAILS PER TDLR AND OSHA REQUIREMENTS. CONTRACTOR TO PROVIDE SUBSIDIARY TO BID PRICE..
17. ALL STAIRS SHALL HAVE HANDRAILS AS REQUIRED BY TDLR.
18. ALL REINFORCING STEEL AND DOWEL BARS IN PAVEMENT SHALL BE SUPPORTED AND MAINTAINED AT THE CORRECT CLEARANCES BY THE USE OF BAR CHAIRS.
19. ALL CONSTRUCTION JOINTS SHALL BE SAWED, CLEANED OF DEBRIS, BLOWN DRY AND IMMEDIATELY SEALED WITH SILICONE JOINT SEALING COMPOUND.
20. ALL SIDEWALKS SHALL HAVE TOOLED JOINTS AT MAX 5' SPACING.
21. FOR ALL PAVING AND SIDEWALKS: IN AREAS WHERE SUBGRADE IS NOT SPECIFIED ON PLANS, THE CONTRACTOR SHALL FURNISH AND INSTALL 12" THICK FLEXIBLE BASE, TXDOT ITEM 247, GRADE A', TYPE 1, COMPACTED TO A MINIMUM 95% ASTM D-698 STD PROCTOR DENSITY.
22. EXPANSION JOINTS SHALL BE CONSTRUCTED AT A MAXIMUM OF 90' CENTERS AND SHALL BE LOCATED AT ALL STRUCTURES, INTERSECTION POINTS, POINTS OF CURVATURE, POINTS OF TANGENCY, AND AT ALL REDUCTIONS IN PAVEMENT WIDTHS.
23. CONTRACTOR SHALL FILL IN ALL HOLES, OPENINGS, AND TRENCH REPAIR LEFT CONCRETE STRUCTURES PAVEMENT FOR PASSAGE OF WORK BY OTHER TRADES NOT SPECIFIED ON THE PLANS. AFTER WORK OF OTHER TRADES IS COMPLETED, MIX, PLACE, AND CURE CONCRETE HEREIN SPECIFIED, TO BLEND WITH IN-PLACE CONSTRUCTION. PROVIDE OTHER MISCELLANEOUS CONCRETE FILLING SHOWN OR REQUIRED AS INTERPRETED BY THE ENGINEER OR ARCHITECT TO COMPLETE THE WORK. COMPLETED WORK SHALL RESULT IN FULLY FUNCTIONAL PROJECT WITH NO HOLES, OPENINGS, OR GAPS IN PAVING/STRUCTURES.
24. ALL PAVING IN DRIVE-ABLE AREAS THAT DO NOT HAVE CURB AND GUTTER SHALL BE CONSTRUCTED WITH THICKENED EDGE AS DETAILED.
25. ALL PAVING WITHOUT CURBS ALONG THE PERIMETER OF THE PAVING SHALL BE INSTALLED WITH A THICKENED EDGE, MINIMUM OF 12" THICK.
26. ALL MOTORIZED GATES REQUIRING ELECTRICAL POWER TO OPERATE SHALL INCLUDE CONDUITS AND POWER AS REQUIRED TO OPERATE GATE. POWER DESIGN SHALL BE PROVIDED BY THE CONTRACTOR AS DESIGN BUILD AND ROUTED TO THE CLOSEST CIRCUIT CAPABLE OF PROVIDING POWER TO OPERATE GATE PROPERLY. ALL MOTORIZED GATES SHALL INCLUDE CONDUIT, VIDEO AND VOICE COMMUNICATION LINES FROM THE BUILDING TO THE GATE KEY PAD AND CONTROLLERS AS DESIGN BUILD BY CONTRACTOR.
27. ALL CALL OUTS ON THE GRADING PLAN THAT INDICATE EITHER TW OR BW SHALL INDICATE A NEW RETAINING WALL TO BE CONSTRUCTED WITH GUARDRAILS. IF NO DETAILS ARE PROVIDED IN PLANS, CONTRACTOR SHALL PROVIDE A DESIGN BUILD FOR THE RETAINING WALL TO BE SIGNED AND SEALED BY A LICENSED PROFESSIONAL ENGINEER WITHIN THE STATE OF TEXAS. DESIGN BASIS OF THE RETAINING WALL SHALL BE A MINIMUM OF 4,000PSI CONCRETE AND SHALL INCLUDE A 6" DIA PERFORATED FRENCH DRAINAGE TO BE TIED TO THE CLOSEST STORM SEWER WITHIN 100' OF THE WALL OR WEEPS THROUGH THE FACE OF WALL IF STORM SEWER IS NOT AVAILABLE WITHIN 100' OR UNAVAILABLE TO GRAVITY DRAIN TO.

GRADING AND EROSION CONTROL GENERAL NOTES

1. CONSTRUCTION OPERATIONS SHALL BE MANAGED SO THAT AS MUCH OF THE SITE AS POSSIBLE IS LEFT COVERED WITH EXISTING TOP SOIL AND VEGETATION.
2. ALL SLOPES AND AREAS DISTURBED BY CONSTRUCTION SHALL BE GRADED SMOOTH. THE AREAS SHALL THEN BE SEEDED (OR SODDED), IRRIGATED, AND MAINTAINED UNTIL A PERMANENT STAND OF GRASS IS ACHIEVED WITH A MINIMUM OF 70% COVERAGE. UNLESS OTHERWISE NOTED, PRIVATE LAWN AREAS AND PARKWAYS IN FRONT OF PRIVATE LAWN AREAS DISTURBED BY CONSTRUCTION SHALL BE REPLACED WITH BLOCK SOD SIMILAR TO EXISTING CONDITIONS.
3. CONTRACTOR SHALL CONSTRUCT A STABILIZED CONSTRUCTION ENTRANCE AT ALL PRIMARY POINTS OF ACCESS. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL CONSTRUCTION TRAFFIC UTILIZES THE STABILIZED ENTRANCE AT ALL TIMES FOR INGRESS/EGRESS TO THE SITE.
4. CONSTRUCTION ENTRANCE:
   - MINIMUM SIZE STONE: 3–INCHES DIAMETER
   - THICKNESS: NOT LESS THAN 8–INCHES
   - LENGTH: AS SHOWN ON PLAN AND IN DETAILS
   - WIDTH: NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS AND EGRESS, OR A MINIMUM OF 25 FEET.
   - MAINTENANCE REQUIREMENTS: AS NECESSARY TO PREVENT TRACKING OR FLOWING MUD INTO PUBLIC RIGHT–OF–WAY OR PARKING AREAS.
5. SITE ENTRY AND EXIT LOCATIONS SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAYS. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ON A PUBLIC ROADWAY SHALL BE REMOVED IMMEDIATELY. WHEN WASHING IS REQUIRED TO REMOVE SEDIMENT PRIOR TO ENTRANCE TO A PUBLIC ROADWAY, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN. ALL FINES IMPOSED FOR TRACKING ONTO PUBLIC ROADS SHALL BE PAID BY THE CONTRACTOR.
6. CONTRACTOR IS RESPONSIBLE FOR PROPER MAINTENANCE OF THE REQUIRED EROSION CONTROL DEVICES THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS. EROSION CONTROLS SHALL BE REPAIRED OR REPLACED AS INSPECTION DEEMS NECESSARY, OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. ACCUMULATED SILT IN ANY EROSION CONTROL DEVICE SHALL BE REMOVED AND SHALL BE DISTRIBUTED ON SITE IN A MANNER NOT CONTRIBUTING TO ADDITIONAL SILTATION. THE CONTRACTOR IS RESPONSIBLE FOR RE–ESTABLISHING ANY EROSION CONTROL DEVICE WHICH IS DISTURBED.
7. CONTRACTOR STAGING AREA TO BE AGREED UPON BY OWNER PRIOR TO BEGINNING CONSTRUCTION.
8. IF A GRADING PERMIT IS REQUIRED FROM THE CITY PRIOR TO STARTING CONSTRUCTION, CONTRACTOR IS RESPONSIBLE FOR OBTAINING PERMIT AND PAYING ALL ASSOCIATED FEES.
9. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE FROM THE EXISTING AND PROPOSED BUILDINGS AND NO PONDING IN PAVED AREAS. CONTRACTOR ADJUSTMENTS TO SPOT GRADES TO MAINTAIN POSITIVE DRAINAGE ARE ALLOWED WITH THE PRIOR APPROVAL OF THE ENGINEER. CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO ANY PAVING IF ANY AREAS OF POOR DRAINAGE ARE ENCOUNTERED.
10. ALL CLEARING, GRADING, COMPACTION AND SUBGRADE PREPARATION SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
11. BEFORE PLACING PAVEMENT, CONTRACTOR SHALL VERIFY THAT SUITABLE HANDICAPPED ROUTES (PER A.D.A. AND T.A.S.) EXIST TO AND FROM EVERY DOOR. IN NO CASE SHALL ADA RAMP SLOPES EXCEED 1 VERTICAL TO 12 HORIZONTAL. IN NO CASE SHALL SIDEWALK CROSS SLOPES EXCEED 2.0 PERCENT. IN NO CASE SHALL LONGITUDINAL SIDEWALK SLOPES EXCEED 5.0 PERCENT. CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO PAVING IF ANY EXCESSIVE SLOPES ARE ENCOUNTERED. NO CONTRACTOR CHANGE ORDERS WILL BE ACCEPTED FOR A.D.A. AND T.A.S. COMPLIANCE ISSUES.
12. ALL AREAS OF THE SITE INCLUDING ANY OFF–SITE AREA THAT IS DISTURBED BY CONSTRUCTION ACTIVITIES, SHALL RECEIVE AT A MINIMUM, HYDROMULCH AND 6" OF TOP–SOIL. REFER TO LANDSCAPE, DEMOLITION, GRADING, PAVING, DRAINAGE, WATER, SEWER, IRRIGATION AND SEDIMENT CONTROL PLANS TO DETERMINE ALL LIMITS OF DISTURBANCE. CONTRACTOR SHALL PROVIDE SOD AS REQUIRED ELSEWHERE IN THE PLANS.
13. SUPPLY THE SEEDED AREAS WITH ADEQUATE MOISTURE (4" PENETRATION) AT TEN (10) DAY INTERVALS, IF NEEDED, FOR SEED GERMINATION AND PLANT GROWTH UNTIL ACCEPTANCE BY THE OWNER. WATER THE SEED IN A MANNER WHICH WILL PREVENT EROSION OF THE SOIL. FURNISH ALL WATER TO BE USED. REPAIR WASHOUTS AND OTHER BARE SOIL AREAS IN A SEEDED AREA EITHER BY RE–SEEDING, SPRIGGING, OR SPOT–SODDING, AND PERFORM MAINTENANCE AS NEEDED TO ESTABLISH GRASS IN THE AREA. CONTROL COMPETITIVE WEED GROWTH DURING THE ESTABLISHMENT PERIOD WITH HERBICIDES. CHEMICAL USAGE SHALL BE IN ACCORDANCE WITH THE CURRENT RECOMMENDATIONS OF THE TEXAS AGRICULTURAL EXPERIMENT STATION OR LOCAL SOIL CONSERVATION SERVICE FIELD OFFICE TECHNICAL GUIDES. STRICTLY ADHERE TO ALL FEDERAL, STATE, AND LOCAL LAWS GOVERNING HERBICIDES. WEED CONTROL SHALL BE THE CONTRACTOR'S RESPONSIBILITY WHETHER TOPSOIL IS FROM ON–SITE OR OFF–SITE SOURCES AND ALSO FOR SEEDED AREAS WHICH ARE SPECIFIED NOT TO RECEIVE TOPSOIL.
14. ANY AREAS WHICH ARE DISTURBED BY THE CONTRACTOR WHICH ARE NOT SHOWN ON THE DRAWINGS OR SPECIFIED TO REQUIRE DISTURBANCE INCLUDING ANY APPROVED AREAS NOT SHOWN ON THE DRAWINGS, SHALL BE CONSIDERED AS UNAUTHORIZED DISTURBED AREAS. ANY SUCH AREAS SHALL BE SEEDED AS SPECIFIED IN THIS SECTION AT THE CONTRACTOR'S EXPENSE AND NO SEPARATE PAY.

SPECIAL INSTRUCTIONS COVERING TESTING OF COMPACTION OF TRENCH BACK FILL

1. TRENCH BACK FILL COMPACTION SHALL BE TESTED AT THE MORE STRINGENT OF THE GEOTECHNCIAL REPORT OR AT THE RATE OF ONE (1) TEST PER 100 LINEAR FEET PER 12 INCH LIFT (LOOSE). TESTS SHALL BE STAGGERED SO THAT TESTS OF ADJACENT LIFTS ARE NOT DIRECTLY OVER TEST LOCATION OF PREVIOUS LIFT.
2. WHERE CONNECTING DISTANCE BETWEEN MANHOLES EXCEEDS 100 FEET, A MINIMUM OF TWO (2) TESTS PER LIFT, AS OUTLINED ABOVE, SHALL BE REQUIRED.
3. THE CONTRACTOR SHALL USE METHODS OF CONSTRUCTION THAT MEET OR EXCEED OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS AND OTHER LOCAL, STATE, OR FEDERAL REGULATIONS FOR SAFETY THAT ARE IN EFFECT. THE CONTRACTOR SHALL HAVE A TRENCH SAFETY PLAN PREPARED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
4. TESTING LABORATORY SHALL MAKE ONE IN PLACE DENSITY TEST FOR EACH 5,000 SQ FT OF AREA PER LIFT (8" LOOSE LIFTS.) BUT IN NO CASE LESS THAN TWO TESTS, AND ONE TEST PER 100 LINEAR FEET OF BACKFILL AREA ADJACENT TO GRADE BEAMS, TO INSURE THAT THE SPECIFIED DENSITY IS OBTAINED. IF THE GEOTECHNICAL REPORT REQUIRES A MORE STRINGENT TESTING REGIMEN, THE GEOTECHNCIAL RECOMMENDATIONS SHALL BE FOLLOWED.

FIRE LANES AND FIRE LANE STRIPING

1. FIRE LANES SHALL HAVE AN UNOBSTRUCTED WIDTH OF NOT LESS THAN 24 FEET OR 26 FEET WHEN LOCATED WITHIN 35 FEET OF ANY STRUCTURE IN EXCESS OF 56 FEET IN HEIGHT, UNLESS OTHERWISE REQUIRED BY THE CITY. AN UNOBSTRUCTED VERTICAL CLEARANCE OF NOT LESS THAN 13 FEET 6 INCHES IS REQUIRED, UNLESS OTHERWISE REQUIRED BY THE CITY.
2. WHERE RED STRIPE INTERSECTS WITH A CURB LINE, PAINT FACE AND TOP OF CURB RETURN.
3. PAINT 4 INCH HIGH LETTERING WITH A 1 INCH STROKE CENTERED ON READ STRIPE TO READ: "NO PARKING" – "FIRE LANE". THIS LETTERING SHALL BE PAINTED EVERY 20 FEET OR AS REQUIRED BY THE CITY, AS MEASURED FROM THE END OF ONE LETTERING GROUP TO THE BEGINNING OF THE NEXT GROUP, WITH A 1 FOOT SPACE BETWEEN "NO PARKING" AND "FIRE LANE". (NOTE: QUOTES ARE USED IN THIS DESCRIPTION FOR EMPHASIS ONLY AND ARE NOT TO BE PAINTED WITH THE LETTERING)

THIS SPACE RESERVED - BLDG INSPECTION

THIS SPACE RESERVED - ENGINEERING

ANY TRAFFIC CONTROL PLAN (TCP) MUST BE SUBMITTED TO THE DEPARTMENT OF PUBLIC WORKS FOR REVIEW AND APPROVAL BY TRAFFIC SAFETY COORDINATORS PRIOR TO START OF CONSTRUCTION. NO TRAFFIC LANE OR SIDEWALK ALONG ANY PUBLIC STREET OR ALLEY IS TO BE CLOSED WITHOUT FIRST OBTAINING THE APPROPRIATE PERMIT(S). CLOSURE OF ANY TRAFFIC LANE MUST BE RESTRICTED TO THE HOURS OF 9:30 A.M. TO 3:30 P.M. WORKDAYS (HOURS MAY DIFFER IN SCHOOL ZONES). CONTRACTOR MUST CALL (214) 948–4290 TO REQUEST APPROVAL OF TCP AND TO OBTAIN A RIGHT–OF–WAY PERMIT.

CONTRACT INFORMATION

CONTRACT NO. _____ DATE 05-10-2024
CONTRACTOR _____
CONTRACT NO. (IF APPLICABLE) _____ DATE _____
CONTRACTOR _____
CONTRACT NO. (IF APPLICABLE) _____ DATE _____
CONTRACTOR _____

REVISIONS

REV NO.	DATE	DESCRIPTION	BY

MJ THOMAS ENGINEERING, LLC
4700 BRYANT IRVIN CT, SUITE 204
FORT WORTH, TEXAS 76107
F-9435

PLAT NO.	BLDG PERMIT NO.	DEV ENGINEERING TRACKING NOS.	
XXXX-XXX	XXXXX	WW18-XXXX	XXXXX

GENERAL NOTES 2 OF 2

JAMES BOWIE PAVEMENT IMPROVEMENT
330 NORTH MARSALIS AVENUE
DEVELOPMENT SERVICES
CITY OF DALLAS, DALLAS COUNTY, TEXAS

REVIEW BY:	DRAWN BY:	DATE	FILE	NUMBER	SHEET
MAT	PME	NOVEMBER 13, 2024		DP24-XXX	C03.02

COMM. NO. 128
DATE 11/13/2
DRAWN DW
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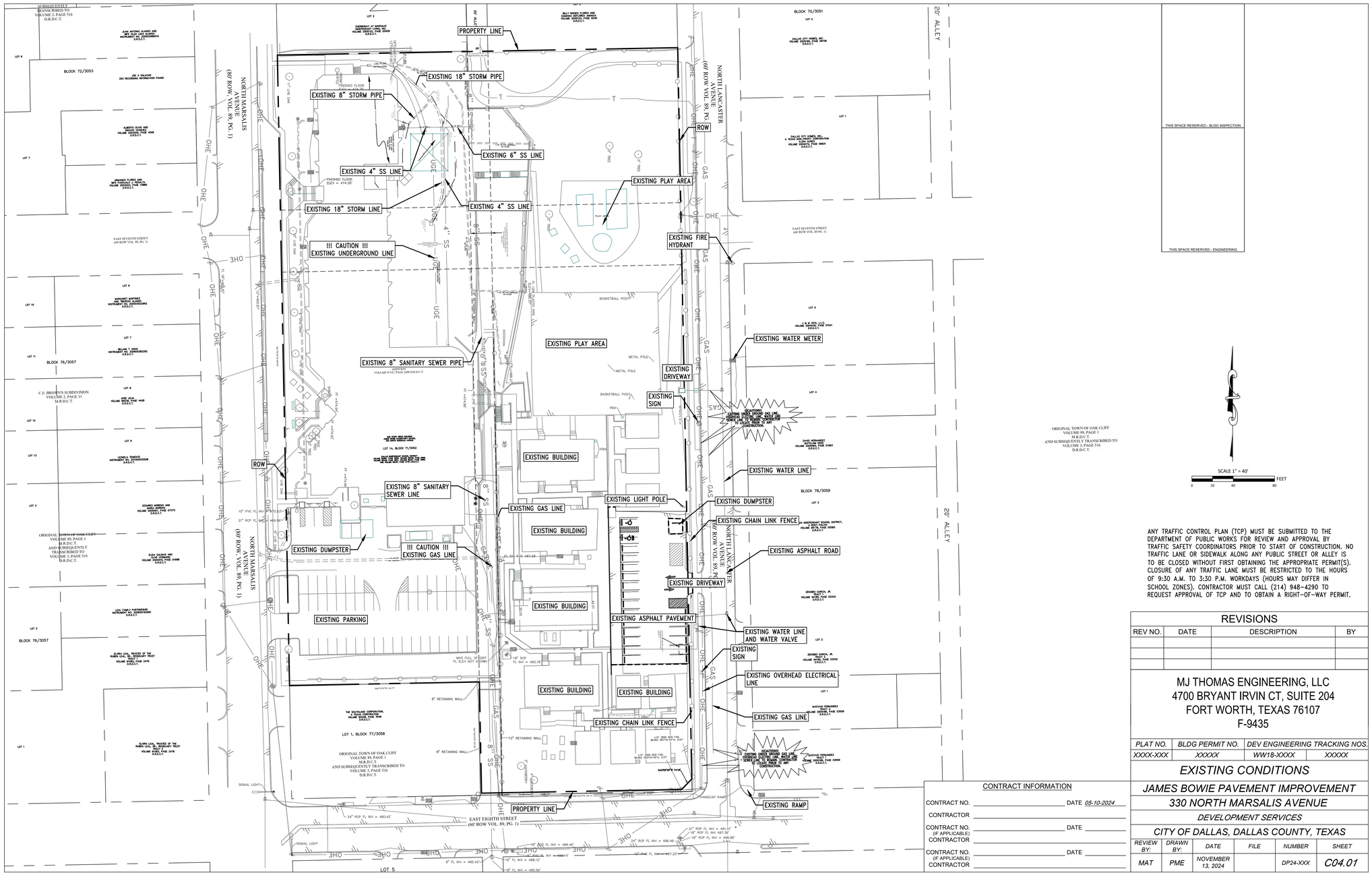
BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCAL AND ADJUST ACCORDINGLY
ONE INCH
REVISIONS:

STATE OF TEXAS
MICHAEL A. THOMAS
93640
LICENSED PROFESSIONAL ENGINEER
11/13/24

LBL ARCHITECTS
1190 W. SANDOL MILL ROAD
SUITE 300
ARLINGTON, TEXAS 76012
PHONE (817) 265-1582
FAX (817) 265-1582
WWW.LBLARCHITECTS.COM

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT
JAMES BOWIE ELEMENTARY SCHOOL
330 NORTH MARSALIS AVE DALLAS, TX 75203

MJ THOMAS ★ ENGINEERING, LLC ★
4700 BRYANT IRVIN CT, SUITE 204
FORT WORTH, TX 76107
REGISTRATION NO. F-9435
PHONE - (817) 732-9839
FAX - (817) 732-9841
MJT NO. - 677-025



ANY TRAFFIC CONTROL PLAN (TCP) MUST BE SUBMITTED TO THE DEPARTMENT OF PUBLIC WORKS FOR REVIEW AND APPROVAL BY TRAFFIC SAFETY COORDINATORS PRIOR TO START OF CONSTRUCTION. NO TRAFFIC LANE OR SIDEWALK ALONG ANY PUBLIC STREET OR ALLEY IS TO BE CLOSED WITHOUT FIRST OBTAINING THE APPROPRIATE PERMIT(S). CLOSURE OF ANY TRAFFIC LANE MUST BE RESTRICTED TO THE HOURS OF 9:30 A.M. TO 3:30 P.M. WORKDAYS (HOURS MAY DIFFER IN SCHOOL ZONES). CONTRACTOR MUST CALL (214) 948-4290 TO REQUEST APPROVAL OF TCP AND TO OBTAIN A RIGHT-OF-WAY PERMIT.

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

MJ THOMAS ENGINEERING, LLC
4700 BRYANT IRVIN CT, SUITE 204
FORT WORTH, TEXAS 76107
F-9435

PLAT NO.	BLDG PERMIT NO.	DEV ENGINEERING TRACKING NOS.	
XXXX-XXX	XXXXX	WW18-XXXX	XXXXX

CONTRACT INFORMATION

CONTRACT NO. _____ DATE 05-10-2024
CONTRACTOR _____
CONTRACT NO. (IF APPLICABLE) _____ DATE _____
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CONTRACT NO. (IF APPLICABLE) _____ DATE _____
CONTRACTOR _____

EXISTING CONDITIONS

JAMES BOWIE PAVEMENT IMPROVEMENT

330 NORTH MARSALIS AVENUE

DEVELOPMENT SERVICES

CITY OF DALLAS, DALLAS COUNTY, TEXAS

REVIEW BY:	DRAWN BY:	DATE	FILE	NUMBER	SHEET
MAT	PME	NOVEMBER 13, 2024		DP24-XXX	C04.01

COMM. NO.	1288
DATE	11/13/24
DRAWN	DWH
CHECKED	Checker

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ONE INCH

REVISIONS:

STATE OF TEXAS
MICHAEL A. THOMAS
93640
REGISTERED PROFESSIONAL ENGINEER
11/13/24

LBL ARCHITECTS
Listen. Build. Lead.
1909 W. RANCH MILL ROAD
SUITE 300
ARLINGTON, TEXAS 76012
PHONE (817) 265-1582
FAX (817) 265-1582
WWW.LBLARCHITECTS.COM
TBAE FIRM # BR 1330

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

MJ THOMAS ★ ENGINEERING, LLC ★
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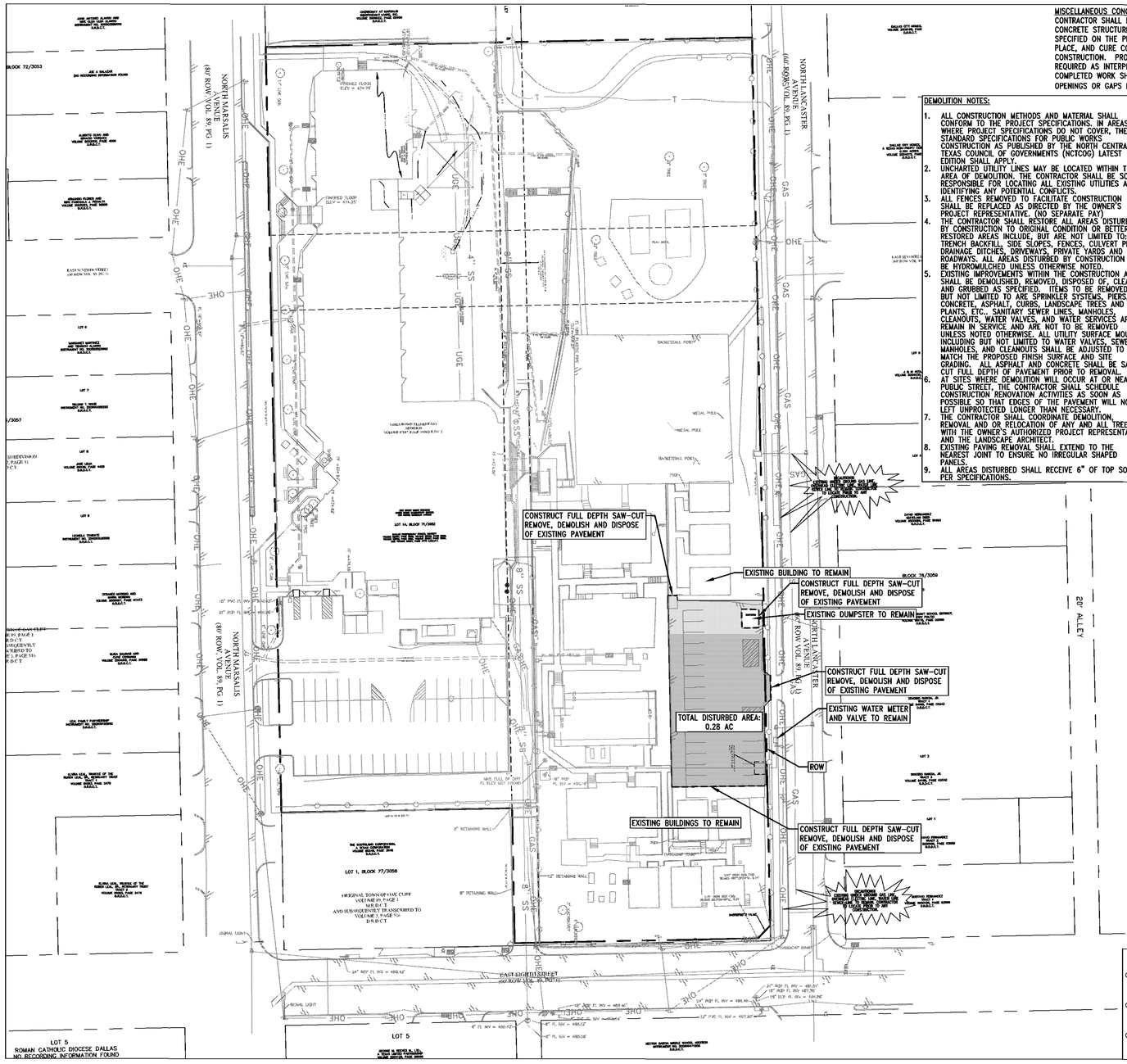
REGISTRATION NO. F-9435
PHONE - (817) 732-8839
FAX - (817) 732-8841
MJT NO. - 677-025



MISCELLANEOUS CONCRETE ITEMS:
CONTRACTOR SHALL FILL-IN ALL HOLES, OPENINGS AND TRENCH REPAIR LEFT IN CONCRETE STRUCTURES OR PAVEMENT FOR PASSAGE OF WORK BY OTHER TRADES NOT SPECIFIED ON THE PLANS, AFTER WORK OF OTHER TRADES IS COMPLETED. MIX, PLACE, AND CURE CONCRETE AS HEREIN SPECIFIED, TO BLEND WITH IN-PLACE CONSTRUCTION. PROVIDE OTHER MISCELLANEOUS CONCRETE FILLING SHOWN OR REQUIRED AS INTERPRETED BY THE ENGINEER OR ARCHITECT TO COMPLETE THE WORK. COMPLETED WORK SHALL RESULT IN A FULLY FUNCTIONAL PROJECT WITH NO HOLES, OPENINGS OR GAPS IN PAVING/STRUCTURES.

DEMOLITION NOTES:

1. ALL CONSTRUCTION METHODS AND MATERIAL SHALL CONFORM TO THE PROJECT SPECIFICATIONS. IN AREAS WHERE PROJECT SPECIFICATIONS DO NOT COVER, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AS PUBLISHED BY THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) LATEST EDITION SHALL APPLY.
2. UNCHARTED UTILITY LINES MAY BE LOCATED WITHIN THE AREA OF DEMOLITION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES AND IDENTIFYING ANY POTENTIAL CONFLICTS.
3. ALL FENCES REMOVED TO FACILITATE CONSTRUCTION SHALL BE REPLACED AS DIRECTED BY THE OWNER'S PROJECT REPRESENTATIVE. (NO SEPARATE PAY)
4. THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY CONSTRUCTION TO ORIGINAL CONDITION OR BETTER. RESTORED AREAS INCLUDE, BUT ARE NOT LIMITED TO: TRENCH BACKFILL, SIDE SLOPES, FENCES, CULVERT PIPES, DRAINAGE DITCHES, DRIVEWAYS, PRIVATE YARDS AND ROADWAYS. ALL AREAS DISTURBED BY CONSTRUCTION WILL BE HYDROMULCHED UNLESS OTHERWISE NOTED.
5. EXISTING IMPROVEMENTS WITHIN THE CONSTRUCTION AREA SHALL BE DEMOLISHED, REMOVED, DISPOSED OF, CLEARED AND GRUBBED AS SPECIFIED. ITEMS TO BE REMOVED, BUT NOT LIMITED TO ARE SPRINKLER SYSTEMS, PIERS, CONCRETE, ASPHALT, CURBS, LANDSCAPE TREES AND PLANTS, ETC., SANITARY SEWER LINES, MANHOLES, CLEANOUTS, WATER VALVES, AND WATER SERVICES ARE TO REMAIN IN SERVICE AND ARE NOT TO BE REMOVED UNLESS NOTED OTHERWISE. ALL UTILITY SURFACE MOUNTS INCLUDING BUT NOT LIMITED TO WATER VALVES, SEWER MANHOLES, AND CLEANOUTS SHALL BE ADJUSTED TO MATCH THE PROPOSED FINISH SURFACE AND SITE GRADING. ALL ASPHALT AND CONCRETE SHALL BE SAW CUT FULL DEPTH OF PAVEMENT PRIOR TO REMOVAL.
6. AT SITES WHERE DEMOLITION WILL OCCUR AT OR NEAR A PUBLIC STREET, THE CONTRACTOR SHALL SCHEDULE CONSTRUCTION RENOVATION ACTIVITIES AS SOON AS POSSIBLE SO THAT EDGES OF THE PAVEMENT WILL NOT BE LEFT UNPROTECTED LONGER THAN NECESSARY.
7. THE CONTRACTOR SHALL COORDINATE DEMOLITION, REMOVAL AND OR RELOCATION OF ANY AND ALL TREES WITH THE OWNER'S AUTHORIZED PROJECT REPRESENTATIVE AND THE LANDSCAPE ARCHITECT.
8. EXISTING PAVING REMOVAL SHALL EXTEND TO THE NEAREST JOINT TO ENSURE NO IRREGULAR SHAPED PANELS.
9. ALL AREAS DISTURBED SHALL RECEIVE 6" OF TOP SOIL PER SPECIFICATIONS.

SITE DISTURBANCE NOTES:

1. ALL AREAS OF THE SITE INCLUDING ANY OFF-SITE AREA THAT IS DISTURBED BY CONSTRUCTION ACTIVITIES, SHALL RECEIVE AT A MINIMUM, HYDROMULCH AND 6" OF TOP-SOIL. REFER TO LANDSCAPE, DEMOLITION, GRADING, PAVING, DRAINAGE, WATER, SEWER, IRRIGATION AND SEDIMENT CONTROL PLANS TO DETERMINE ALL LIMITS OF DISTURBANCE. CONTRACTOR SHALL PROVIDE SOD AS REQUIRED ELSEWHERE IN THE PLANS.
2. SUPPLY THE SEEDED AREAS WITH ADEQUATE MOISTURE (6" PENETRATION) AT TEN (10) DAY INTERVALS. IF NEEDED, FOR SEED GERMINATION AND PLANT GROWTH UNTIL ACCEPTANCE BY THE OWNER. WATER THE SEED IN A MANNER WHICH WILL PREVENT EROSION OF THE SOIL. FURNISH ALL WATER TO BE USED. REPAIR WASHOUTS AND OTHER BARE SOIL AREAS IN A SEEDED AREA EITHER BY RE-SEEDING, SPRIGGING, OR SPOT-SODDING, AND PERFORM MAINTENANCE AS NEEDED TO ESTABLISH GRASS IN THE AREA. CONTROL COMPETITIVE WEED GROWTH DURING THE ESTABLISHMENT PERIOD WITH HERBICIDES. CHEMICAL USAGE SHALL BE IN ACCORDANCE WITH THE CURRENT RECOMMENDATIONS OF THE TEXAS AGRICULTURAL EXPERIMENT STATION OR LOCAL SOIL CONSERVATION SERVICE FIELD OFFICE TECHNICAL GUIDES. STRICTLY ADHERE TO ALL FEDERAL, STATE, AND LOCAL LAWS GOVERNING HERBICIDES. WEED CONTROL SHALL BE THE CONTRACTOR'S RESPONSIBILITY WHETHER TOPSOIL IS FROM ON-SITE OR OFF-SITE SOURCES AND ALSO FOR SEEDED AREAS WHICH ARE SPECIFIED NOT TO RECEIVE TOPSOIL.
3. ANY AREAS WHICH ARE DISTURBED BY THE CONTRACTOR WHICH ARE NOT SHOWN ON THE DRAWINGS OR SPECIFIED TO REQUIRE DISTURBANCE INCLUDING ANY APPROVED AREAS NOT SHOWN ON THE DRAWINGS, SHALL BE CONSIDERED AS UNAUTHORIZED DISTURBED AREAS. ANY SUCH AREAS SHALL BE SEEDED AS SPECIFIED IN THIS SECTION AT THE CONTRACTOR'S EXPENSE. (NO SEPARATE PAY)

GRASS SEEDING/SODDING NOTES:

1. APRIL 15 THRU JULY 15, HYDROMULCH BERMUDA SEED: 5 LBS./1000 S.F. OR SOLID SOD FOR DISTURBED AREAS SHOWN ON PLAN
2. JULY 16 THRU SEPT. 14, SOLID SOD.
3. SEPT. 15 THRU APRIL 15, HAND SEED ANNUAL RYE (10 LBS./1000 S.F.)
4. BID SHOULD INCLUDE BOTH STEPS 1 & 3 IF BUILDING POSSESSION DATE OCCURS BETWEEN SEPT. 15 AND APRIL 15.
5. TIMING: UNDER NO CIRCUMSTANCES SHALL GRASSING OPERATIONS OCCUR IN PLANTING PERIODS OTHER THAN THE FOLLOWING:
6. APRIL 15 TO AUGUST 1 OF THE YEAR OF PROJECT SUBSTANTIAL COMPLETION; HOWEVER, IF HYDRO-MULCH OPERATIONS AND A FULL STAND OF GRASS CANNOT BE ACCOMPLISHED BY JULY 15 THEN THE CONTRACTOR SHALL INSTALL SOD. IF GRASSING OPERATIONS CANNOT BE ACCOMPLISHED DURING THESE PERIODS THE CONTRACTOR SHALL ESTABLISH AN INTERIM STAND OF WINTER RYE GRASS THEN REMOVE THE RYE AND PROVIDE SPECIFIED GRASS DURING THE NEXT PERIOD IN THE FOLLOWING YEAR. SEE SPECIFICATIONS.
7. ALL UNSURFACED AREAS ARE TO RECEIVE SIX INCHES OF TOPSOIL, SEED, MULCH, AND WATERED UNTIL A HEALTHY STAND OF TURF IS OBTAINED.
8. PROVIDE TEMPORARY IRRIGATION AS NEEDED UNTIL A HEALTHY STAND OF GRASS IS ESTABLISHED OR UNTIL PERMANENT IRRIGATION IS FUNCTIONAL.
9. A HEALTHY STAND OF GRASS (ie. NON-ERODABLE CONDITION) WILL BE ESTABLISHED PRIOR TO POSSESSION DATE OTHERWISE, CONTRACTOR WILL OBLIGATED TO INSTALL SOLID SOD PRIOR TO OPENING AT HIS EXPENSE.

NOTE:
CONTRACTOR SHALL VIDEO TAPE "ALL" AREAS ALONG THE PERIMETER OF ALL CONSTRUCTION INCLUDING AREAS TO BE USED FOR STAGING PRIOR TO ANY CONSTRUCTION. CONTRACTOR SHALL PROVIDE THE OWNER & ENGINEER WITH A COPY OF THIS VIDEO ON DVD FOR THEIR RECORDS AT THE PRE-CONSTRUCTION MEETING. ITEMS DAMAGED BY CONSTRUCTION NOT INTENDED FOR DEMOLITION SHALL BE REPLACED TO "AS GOOD AS" OR "BETTER THAN" CONDITION PRIOR TO CONSTRUCTION.

THIS SPACE RESERVED - BLDG INSPECTION

THIS SPACE RESERVED - ENGINEERING

DEMOLITION LEGEND

- LIMITS OF DEMOLITION
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO REMAIN PROVIDE TREE PROTECTION AS DETAILED
- CONSTRUCT FULL DEPTH SAW-CUT. REMOVE, DEMOLISH, AND DISPOSE OF EXISTING PAVEMENT.

REFER TO GENERAL NOTES SHEET FOR EXISTING UTILITY CAUTIONARY NOTES AND CONTRACTOR ADVISORY.

NOTE:
ANY UTILITY LINES STRUCK DURING CONSTRUCTION IS UNACCEPTABLE. GENERAL CONTRACTOR SHALL TAKE ANY REASONABLE, NECESSARY STEPS TO INSURE THAT NO INTERRUPTIONS OF SERVICE OCCUR. PREVENTIVE STEPS TO INCLUDE, BUT NOT LIMITED TO, THE USE OF A GROUND PENETRATING RADAR TO VERIFY THE ABSENCE OF UTILITIES, AND OTHER UNDERGROUND LINES, BEFORE AN AREA IS TRENCHED, DRILLED, EXCAVATED OR OTHERWISE DISTURBED. THIS EFFORT SHOULD BE IN ADDITION TO INVESTIGATIONS PERFORMED BY TEXAS 811 AND THE REVIEWING INFORMATION ON EXISTING DRAWINGS. PROPER PREPARATION AND INVESTIGATION WILL SAVE TIME, MONEY, AND HELP AVOID INJURIES FOR ALL PARTIES.

CONTRACT INFORMATION

CONTRACT NO. _____ DATE 05-10-2024
CONTRACTOR _____
CONTRACT NO. (IF APPLICABLE) _____ DATE _____
CONTRACTOR _____
CONTRACT NO. (IF APPLICABLE) _____ DATE _____
CONTRACTOR _____

REVISIONS

REV NO.	DATE	DESCRIPTION	BY

MJ THOMAS ENGINEERING, LLC
4700 BRYANT IRVIN CT, SUITE 204
FORT WORTH, TEXAS 76107
F-9435

PLAT NO.	BLDG PERMIT NO.	DEV ENGINEERING TRACKING NOS.	
XXXX-XXX	XXXXX	WW18-XXXX	XXXXX

DEMOLITION PLAN

JAMES BOWIE PAVEMENT IMPROVEMENT
330 NORTH MARSALIS AVENUE
DEVELOPMENT SERVICES
CITY OF DALLAS, DALLAS COUNTY, TEXAS

REVIEW BY:	DRAWN BY:	DATE	FILE	NUMBER	SHEET
MAT	PME	NOVEMBER 13, 2024		DP24-XXX	C04.02

COMM. NO. 1288
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REVISIONS:

STATE OF TEXAS
MICHAEL A. THOMAS
93640
LICENSED PROFESSIONAL ENGINEER
11/13/24

LBL ARCHITECTS
1109 W. RANCH MILL ROAD
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ARLINGTON, TEXAS 76012
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FAX (817) 265-1582
WWW.LBLARCHITECTS.COM
TBAE FIRM # BR 1550

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT
JAMES BOWIE ELEMENTARY SCHOOL
330 NORTH MARSALIS AVE, DALLAS, TX 75203

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4700 BRYANT IRVIN CT, SUITE 204
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FAX - (817) 732-9841
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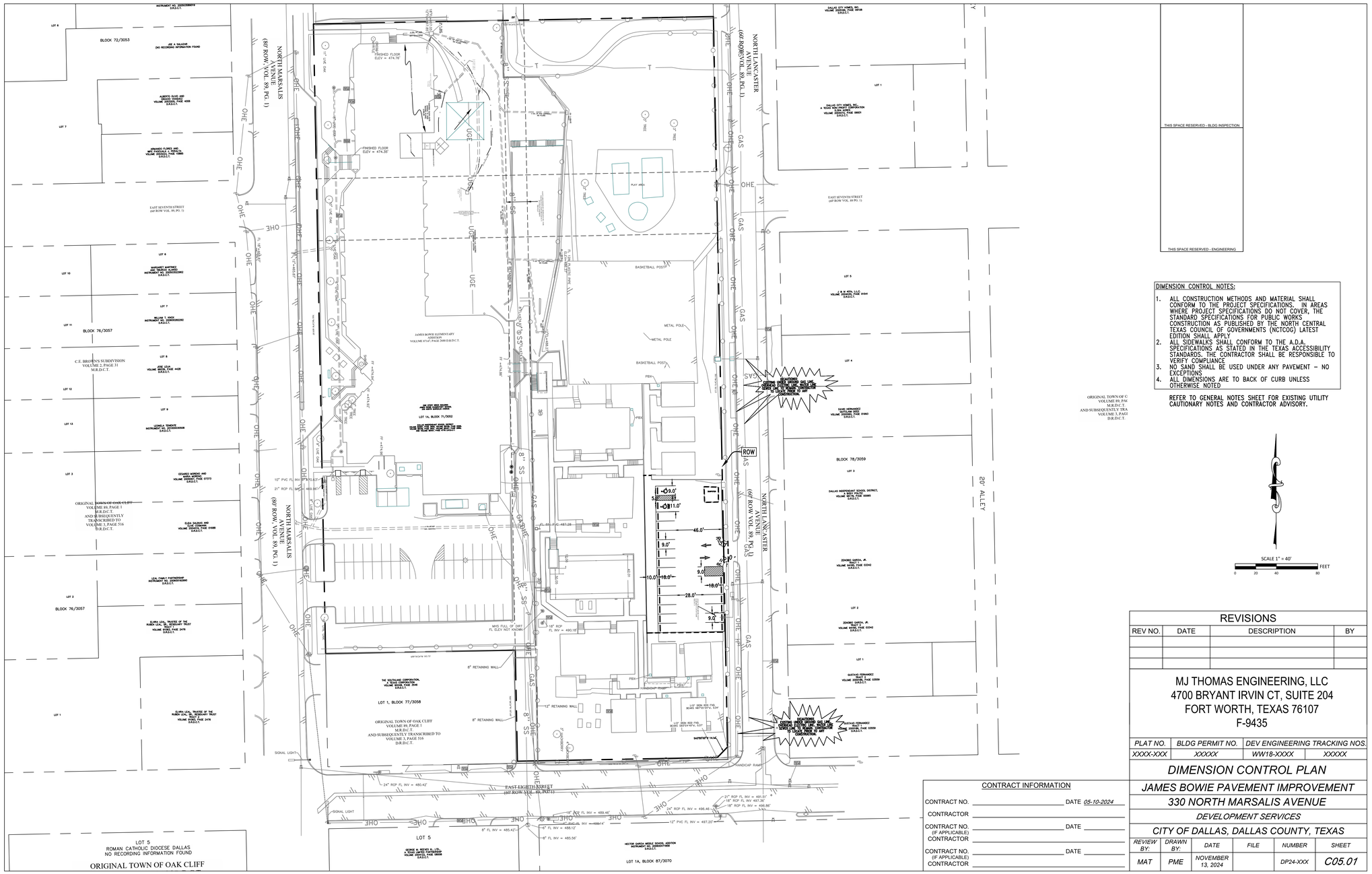

THIS SPACE RESERVED - BLDG INSPECTION

THIS SPACE RESERVED - ENGINEERING

DIMENSION CONTROL NOTES:

1. ALL CONSTRUCTION METHODS AND MATERIAL SHALL CONFORM TO THE PROJECT SPECIFICATIONS. IN AREAS WHERE PROJECT SPECIFICATIONS DO NOT COVER, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AS PUBLISHED BY THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) LATEST EDITION SHALL APPLY.
2. ALL SIDEWALKS SHALL CONFORM TO THE A.D.A. SPECIFICATIONS AS STATED IN THE TEXAS ACCESSIBILITY STANDARDS. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY COMPLIANCE
3. NO SAND SHALL BE USED UNDER ANY PAVEMENT – NO EXCEPTIONS
4. ALL DIMENSIONS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED

REFER TO GENERAL NOTES SHEET FOR EXISTING UTILITY CAUTIONARY NOTES AND CONTRACTOR ADVISORY.

SCALE 1" = 40'

0 20 40 80 FEET

CONTRACT INFORMATION

CONTRACT NO. _____ DATE 05-10-2024
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REVISIONS

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MJ THOMAS ENGINEERING, LLC
4700 BRYANT IRVIN CT, SUITE 204
FORT WORTH, TEXAS 76107
F-9435

PLAT NO.	BLDG PERMIT NO.	DEV ENGINEERING TRACKING NOS.	
XXXX-XXX	XXXXX	WW18-XXXX	XXXXX

DIMENSION CONTROL PLAN

JAMES BOWIE PAVEMENT IMPROVEMENT

330 NORTH MARSALIS AVENUE

DEVELOPMENT SERVICES

CITY OF DALLAS, DALLAS COUNTY, TEXAS

REVIEW BY:	DRAWN BY:	DATE	FILE	NUMBER	SHEET
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REGISTRATION NO. F-9435
PHONE - (817) 732-9839
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REVISIONS:

MICHAEL A. THOMAS
93640
REGISTERED PROFESSIONAL ENGINEER
11/13/24

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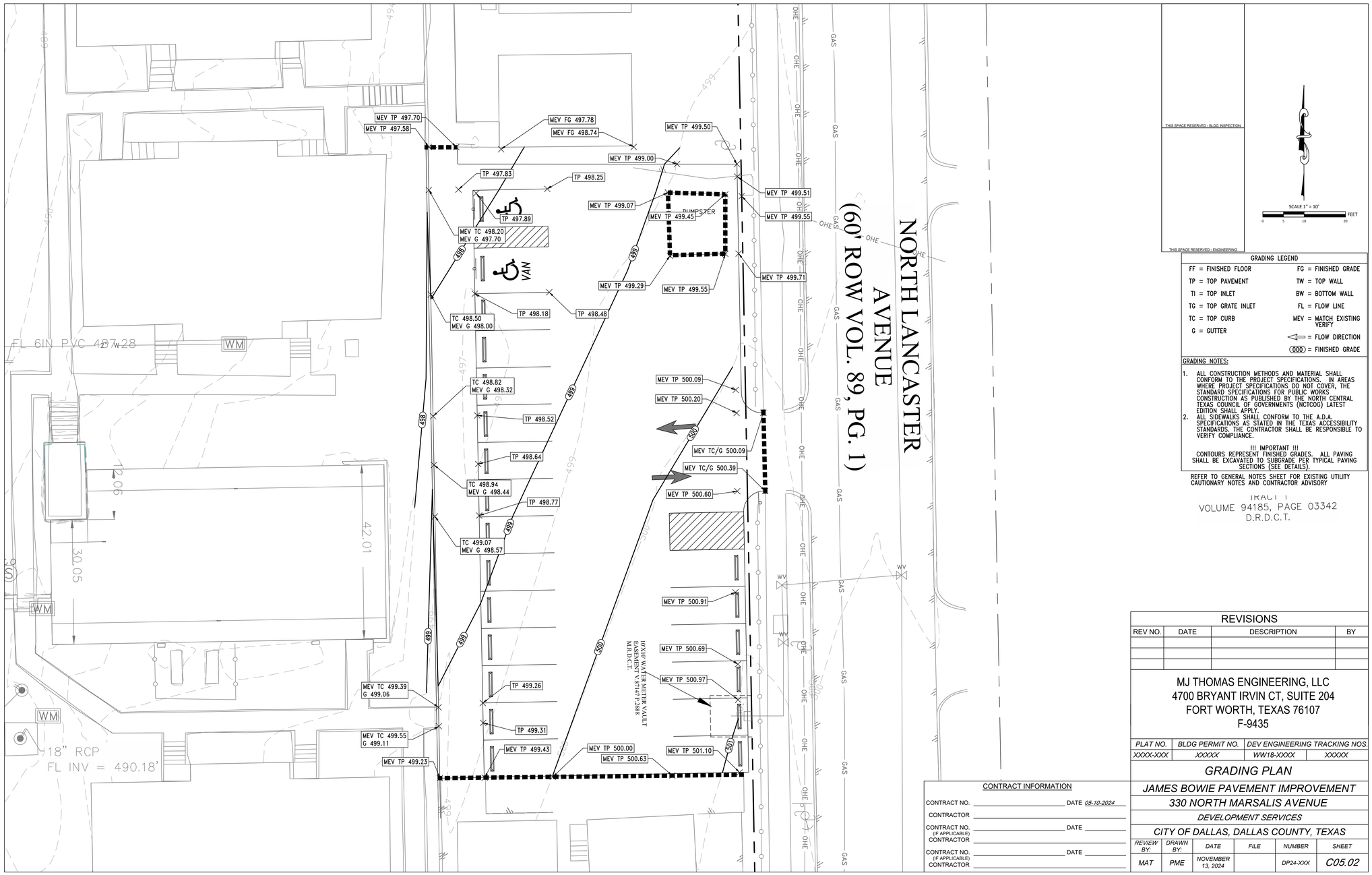

GRADING LEGEND	
FF = FINISHED FLOOR	FG = FINISHED GRADE
TP = TOP PAVEMENT	TW = TOP WALL
TI = TOP INLET	BW = BOTTOM WALL
TG = TOP GRATE INLET	FL = FLOW LINE
TC = TOP CURB	MEV = MATCH EXISTING VERIFY
G = GUTTER	⇦ = FLOW DIRECTION
	(000) = FINISHED GRADE

GRADING NOTES:

1. ALL CONSTRUCTION METHODS AND MATERIAL SHALL CONFORM TO THE PROJECT SPECIFICATIONS. IN AREAS WHERE PROJECT SPECIFICATIONS DO NOT COVER, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AS PUBLISHED BY THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) LATEST EDITION SHALL APPLY.
2. ALL SIDEWALKS SHALL CONFORM TO THE A.D.A. SPECIFICATIONS AS STATED IN THE TEXAS ACCESSIBILITY STANDARDS. THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY COMPLIANCE.

!!! IMPORTANT !!!

CONTOURS REPRESENT FINISHED GRADES. ALL PAVING SHALL BE EXCAVATED TO SUBGRADE PER TYPICAL PAVING SECTIONS (SEE DETAILS).

REFER TO GENERAL NOTES SHEET FOR EXISTING UTILITY CAUTIONARY NOTES AND CONTRACTOR ADVISORY

TRACT I
VOLUME 94185, PAGE 03342
D.R.D.C.T.

REVISIONS			
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MJ THOMAS ENGINEERING, LLC
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FORT WORTH, TEXAS 76107
F-9435

PLAT NO.	BLDG PERMIT NO.	DEV ENGINEERING TRACKING NOS.	
XXXX-XXX	XXXXX	WW18-XXXX	XXXXX

GRADING PLAN

JAMES BOWIE PAVEMENT IMPROVEMENT

330 NORTH MARSALIS AVENUE

DEVELOPMENT SERVICES

CITY OF DALLAS, DALLAS COUNTY, TEXAS

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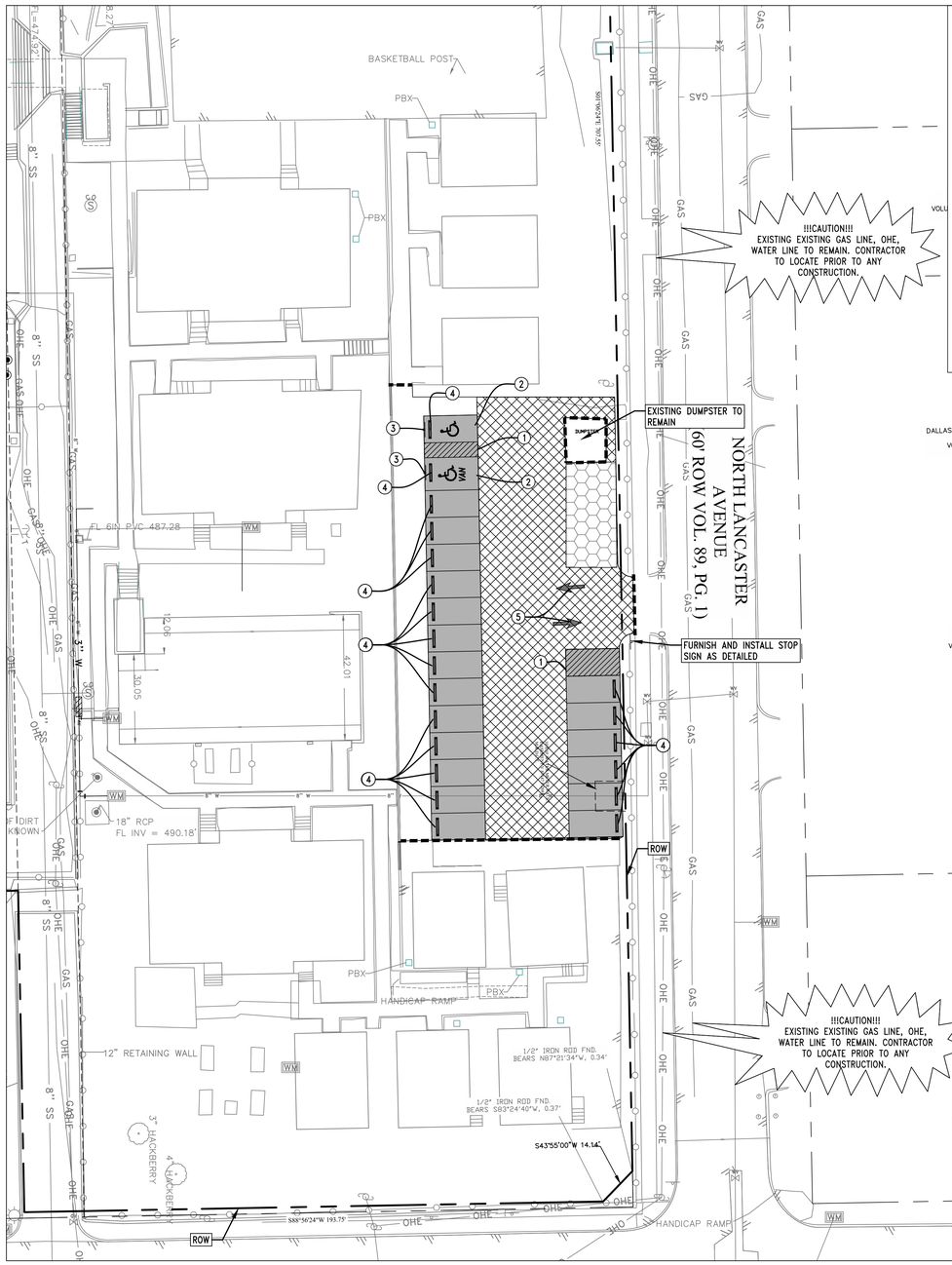

INFRASTRUCTURE NOTES:

A. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR NORTH CENTRAL TEXAS, LATEST EDITION, AND THE CITY OF DALLAS DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION ADDENDUM AND PAVEMENT CUT AND REPAIR STANDARD MANUAL OF PUBLIC WORKS AND TRANSPORTATION DATED OCTOBER 2003.

B. DURING THE CONSTRUCTION OF THESE IMPROVEMENTS, ANY INTERPRETATION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION FOR NORTH CENTRAL TEXAS, AND ANY MATTER WHICH REQUIRES THE APPROVAL OF THE OWNER, MUST BE APPROVED BY THE DIRECTOR OF PUBLIC WORKS AND TRANSPORTATION OR HIS DESIGNEE BEFORE ANY CONSTRUCTION INVOLVING THAT DECISION COMMENCES. ASSUMPTIONS ABOUT WHAT THESE DECISIONS MIGHT BE WHICH ARE MADE DURING THE BIDDING PHASE WILL HAVE NO BEARING ON THE DECISION.

C. FOR ADJUSTMENT OF DALLAS WATER UTILITIES APPURTENANCES OR TO VERIFY LOCATIONS OF EXISTING WATER AND WASTEWATER MAINS IN AREA, CALL (214) 670-1770 AT LEAST (3) THREE WORKING DAYS PRIOR TO CONSTRUCTION.

D. STREETS, ALLEYS, SIDEWALKS, DRIVEWAYS AND STORM DRAINAGE FACILITIES IN THE PUBLIC RIGHT-OF-WAY SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE CITY OF DALLAS, STANDARD CONSTRUCTION DETAILS, FILE 251-1, LATEST EDITION.

E. ALL CONCRETE FOR PAVEMENT SHALL BE 4000 PSI FOR MACHINE FINISH AND 4500 PSI IF IT IS NECESSARY FOR HAND FINISH.

PAVING PLAN NOTES:

1. ALL CONSTRUCTION METHODS AND MATERIAL SHALL CONFORM TO THE PROJECT SPECIFICATIONS. IN AREAS WHERE PROJECT SPECIFICATIONS DO NOT COVER, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AS PUBLISHED BY THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) LATEST EDITION SHALL APPLY.
2. ALL NEW CONCRETE INTERFACING WITH EXISTING CONCRETE SHALL BE CONSTRUCTED WITH A DOWELED EXPANSION JOINT AS DETAILED.
3. ALL SIDEWALKS, ACCESSIBLE PATHS AND PARKING SHALL CONFORM TO THE A.D.A. SPECIFICATIONS AS STATED IN THE TEXAS ACCESSIBILITY STANDARDS. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY COMPLIANCE.
4. CONTRACTOR SHALL PAINT AND STRIPE ALL PARKING AS SHOWN ON PLAN INCLUDING DRIVE LANES, FIRE LANES, TYPICAL SPACES AND A.D.A. SPACES.
5. CONTRACTOR SHALL COORDINATE SLEEVEING FOR ELECTRICAL WITH MEP PLANS.
6. WHERE REINFORCING AND SUBGRADE IS NOT SPECIFICALLY DETAILED, REINFORCING FOR PAVING SHALL BE AT A MINIMUM, NO. 4 REBARS AT 12" O.C.E.W. AND SUBGRADE SHALL BE 12" THICK FLEXBASE TXDOT ITEM 247, GR 1, TYPE A.
7. UNLESS SPECIFICALLY NOTED ON PLANS, ALL CONCRETE PAVING, SIDEWALKS, SLABS, AND MISCELLANEOUS UTILITY INFRASTRUCTURES SHALL BE AT A MINIMUM, 4,000 PSI PORTLAND CEMENT CONCRETE AT 28 DAYS.
8. ALL PAVING IN DRIVE-ABLE AREAS THAT DO NOT HAVE CURB AND GUTTER SHALL BE CONSTRUCTED WITH THICKENED EDGE AS DETAILED.
9. CONTRACTOR SHALL COORDINATE ALL SCORING AND EXPANSION JOINTS WITH THE ARCHITECT AND ENGINEER PRIOR TO ANY CONCRETE PLACEMENT FOR FLATWORK. CONTRACTOR SHALL PROVIDE A DETAILED JOINTING PLAN OF "ALL" SITE PAVING INCLUDING SPACING AND TYPE OF JOINT TO THE ENGINEER FOR REVIEW AND ACCEPTANCE A MINIMUM OF FOUR (4) WEEKS PRIOR TO ANY CONCRETE PLACEMENT.

CONCRETE MATERIALS NOTES:

1. ALL CONCRETE SHALL BE PORTLAND CEMENT CONFORMING TO ASTM C 150, TYPE 1, DOMESTIC MANUFACTURE ONLY. CONTRACTOR SHALL USE ONLY ONE BRAND OF CEMENT THROUGHOUT THE PROJECT.
2. CONTRACTOR SHALL USE AN AIR-ENTRAINING ADMIXTURE PER MANUFACTURER'S RECOMMENDATIONS, RESULTING IN CONCRETE AT THE POINT OF PLACEMENT HAVING AN AIR CONTENT OF 5% (±1%). AIR-ENTRAPMENT IS NOT ACCEPTABLE.
3. ALL CONCRETE SHALL HAVE A MAXIMUM WATER TO CEMENT RATIO OF 0.50.
4. CONCRETE SLUMP AT THE POINT OF PLACEMENT SHALL NOT BE LESS THAN 3" AND NOT MORE THAN 5" AS DESCRIBED BY ASTM C 143.
5. FLY ASH AND CALCIUM CHLORIDE OR ADMIXTURE CONTAINING MORE THAN 0.1% CHLORIDE IONS ARE NOT PERMITTED.
6. NO SAND SHALL BE USED UNDER ANY PAVEMENT – NO EXCEPTION.
7. EXPANSION JOINTS SHALL BE CONSTRUCTED ON MAXIMUM OF 90' CENTERS AND LOCATED AT ALL STRUCTURES, INTERSECTION POINTS, POINTS OF CURVATURE, POINTS OF TANGENCY, AND AT ALL REDUCTIONS OF PAVEMENT WIDTHS.

MISCELLANEOUS CONCRETE ITEMS:
CONTRACTOR SHALL FILL-IN ALL HOLES, OPENINGS AND TRENCH REPAIR LEFT IN CONCRETE STRUCTURES OR PAVEMENT FOR PASSAGE OF WORK BY OTHER TRADES NOT SPECIFIED ON THE PLANS, AFTER WORK OF OTHER TRADES IS COMPLETED. MIX, PLACE, AND CURE CONCRETE AS HEREIN SPECIFIED, TO BLEND WITH IN-PLACE CONSTRUCTION. PROVIDE OTHER MISCELLANEOUS CONCRETE FILLING SHOWN OR REQUIRED AS INTERPRETED BY THE ENGINEER OR ARCHITECT TO COMPLETE THE WORK. COMPLETED WORK SHALL RESULT IN A FULLY FUNCTIONAL PROJECT WITH NO HOLES, OPENINGS OR GAPS IN PAVING/STRUCTURES.

REFER TO GENERAL NOTES SHEET FOR EXISTING UTILITY CAUTIONARY NOTES AND CONTRACTOR ADVISORY

REFER TO DEMOLITION PLAN SHEET FOR SITE DISTURBANCE NOTES.

CITY OF DALLAS PAVING NOTES:

A. CLASS TEST STRENGTH FOR SIDEWALK IS 3,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS AFTER PLACEMENT.

B. CLASS TEST STRENGTH FOR CURB AND GUTTER IS 4,500 PSI COMPRESSIVE STRENGTH AT 28 DAYS AFTER PLACEMENT.

C. STANDARD SUBGRADE COMPACTION FOR SIDEWALKS IS MINIMUM 95% OF STANDARD PROCTOR DENSITY WITHIN MINUS 2% TO PLUS 4% OF OPTIMUM MOISTURE CONTENT.

D. SIDEWALKS REQUIRE MINIMUM #3 BARS SPACED ON 24' CENTERS.

E. ALL CURBS WITHIN CITY RIGHT-OF-WAY MUST BE REINFORCED WITH #4 BARS.

F. CURB AND GUTTER MUST BE DESIGNED AND CONSTRUCTED TO PROVIDE POSITIVE DRAINAGE.

G. SEPARATE CONCRETE CURB & GUTTER SHALL BE MARKED 3/8" DEEP WITH AN APPROVED TOOL (SAW CUT) IN 15 FOOT SECTIONS. INSTALL #4 "L-SHAPED" REBAR DOWELS (12" INTO EXISTING PAVEMENT), EVERY 18", EPOXIED IN.

H. 1" REDWOOD EXPANSION JOINTS ARE REQUIRED AT ALL ABRUPT CHANGES IN ALIGNMENT OR WIDTH, RADII POINTS, OR EVERY 80 FEET, BEGINNING AT THE CURB RETURN.

I. IF SIDEWALK IS LOCATED AT BACK-OF-CURB, REDWOOD JOINTS SHOULD MATCH WITH EXISTING REDWOOD JOINTS IN THE STREET.

J. AT ALL EXPANSION JOINTS, 24' LONG, #6 (3/4") SMOOTH DOWEL IS REQUIRED EVERY 24' ON CENTER.

K. 1' FOOTINGS ARE REQUIRED AT ALL EXPANSION JOINTS AND THE PAVEMENT DEPTH TRANSITIONS FROM 4' TO 5' THICK, OVER THE 24' LENGTH OF PAVEMENT.

L. 8' FOOTING IS REQUIRED FOR SIDEWALKS LOCATED AT BACK-OF-CURB, WITH A 6' DOWEL.

M. SIDEWALK MUST BE MINIMUM 5' WIDE IF LOCATED AT BACK-OF-CURB.

NOTES BY SYMBOL

1. PAINT STRIPE 4" WHITE CHEVRONS
2. CONSTRUCT NEW ADA PARKING SPACE AS DETAILED
3. FURNISH AND INSTALL ADA SIGN AS DETAILED
4. FURNISH AND INSTALL WHEELSTOP(S) AS DETAILED
5. FURNISH AND INSTALL DIRECTIONAL ARROW SIGN AS DETAILED

CONTRACT INFORMATION

CONTRACT NO. _____ DATE 05-10-2024
CONTRACTOR _____
CONTRACT NO. _____ DATE _____
(IF APPLICABLE) CONTRACTOR _____
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(IF APPLICABLE) CONTRACTOR _____

THIS SPACE RESERVED - BLDG INSPECTION

THIS SPACE RESERVED - ENGINEERING

CITY OF DALLAS DRIVE APPROACH NOTES:

A. MINIMUM PAVEMENT DEPTH IS 8". DRIVE APPROACH PAVEMENT DEPTH SHOULD MATCH ONSITE PAVEMENT DEPTH IF ONSITE PAVEMENT IS THICKER THAN THE MINIMUM THICKNESS FOR APPROACHES.

B. HAND FINISH CLASS – TEST STRENGTH IS 4,500 PSI COMPRESSIVE STRENGTH AT 28 DAYS AFTER PLACEMENT.

C. STANDARD SUBGRADE COMPACTION UNDER DRIVE APPROACHES IS 98% STANDARD PROCTOR DENSITY AT MINUS 2% TO PLUS 4% OF OPTIMUM MOISTURE TO THE DEPTH SPECIFIED.

D. #3 BARS ARE REQUIRED FOR CONCRETE THICKNESS LESS THAN 9', SPACED ON 24' CENTERS. #4 BARS ARE REQUIRED FOR CONCRETE THICKNESS THAT IS 9' OR GREATER, SPACED ON 24' CENTERS.

E. 1" REDWOOD EXPANSION JOINTS ARE REQUIRED AT ALL PROPERTY LINES.

F. DOWEL PROPOSED DRIVE APPROACH INTO EXISTING PAVEMENT WITH 24" LONG, #4 BARS, AT 12" ON CENTER, EPOXIED IN.

G. FOR THE EXPANSION JOINT AT THE PROPERTY LINE, 24" LONG, #8 (1") SMOOTH DOWEL IS REQUIRED FOR PAVING THICKNESS GREATER THAN 6". ALL DOWELS REQUIRED EVERY 12" ON CENTER AND MUST BE GREASED AND CAPPED.

H. DRIVE APPROACHES REQUIRE A SAW JOINT AT THE CENTERLINE.

PAVING LEGEND

- 5" THICK, 4000 PSI PORTLAND CEMENT CONCRETE SIDEWALKS W/ #4 BARS AT 12" O.C.E.W.
- 5" THICK, 4000 PSI PORTLAND CEMENT CONCRETE WITH MONOLITHIC CURB AND GUTTER W/ #4 BARS AT 12" O.C.E.W.
- 6" THICK, 4000 PSI PORTLAND CEMENT CONCRETE WITH MONOLITHIC CURB AND GUTTER W/ #4 BARS AT 12" O.C.E.W.
- 8" THICK, 4000 PSI PORTLAND CEMENT CONCRETE WITH MONOLITHIC CURB AND GUTTER W/ #4 BARS AT 12" O.C.E.W.

SEE PAVING DETAILS FOR TYPICAL PAVING SECTIONS

REVISIONS

REV NO.	DATE	DESCRIPTION	BY

MJ THOMAS ENGINEERING, LLC
4700 BRYANT IRVIN CT, SUITE 204
FORT WORTH, TEXAS 76107
F-9435

PLAT NO.	BLDG PERMIT NO.	DEV ENGINEERING TRACKING NOS.	
XXXX-XXX	XXXXX	WW18-XXXX	XXXXX

PAVING PLAN

JAMES BOWIE PAVEMENT IMPROVEMENT

330 NORTH MARSALIS AVENUE

DEVELOPMENT SERVICES

CITY OF DALLAS, DALLAS COUNTY, TEXAS

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REVISIONS:

MICHAEL A. THOMAS
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LICENSED PROFESSIONAL ENGINEER
11/13/24

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE. DALLAS, TX 75203

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REGISTRATION NO. F-9435
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FAX - (817) 732-9841
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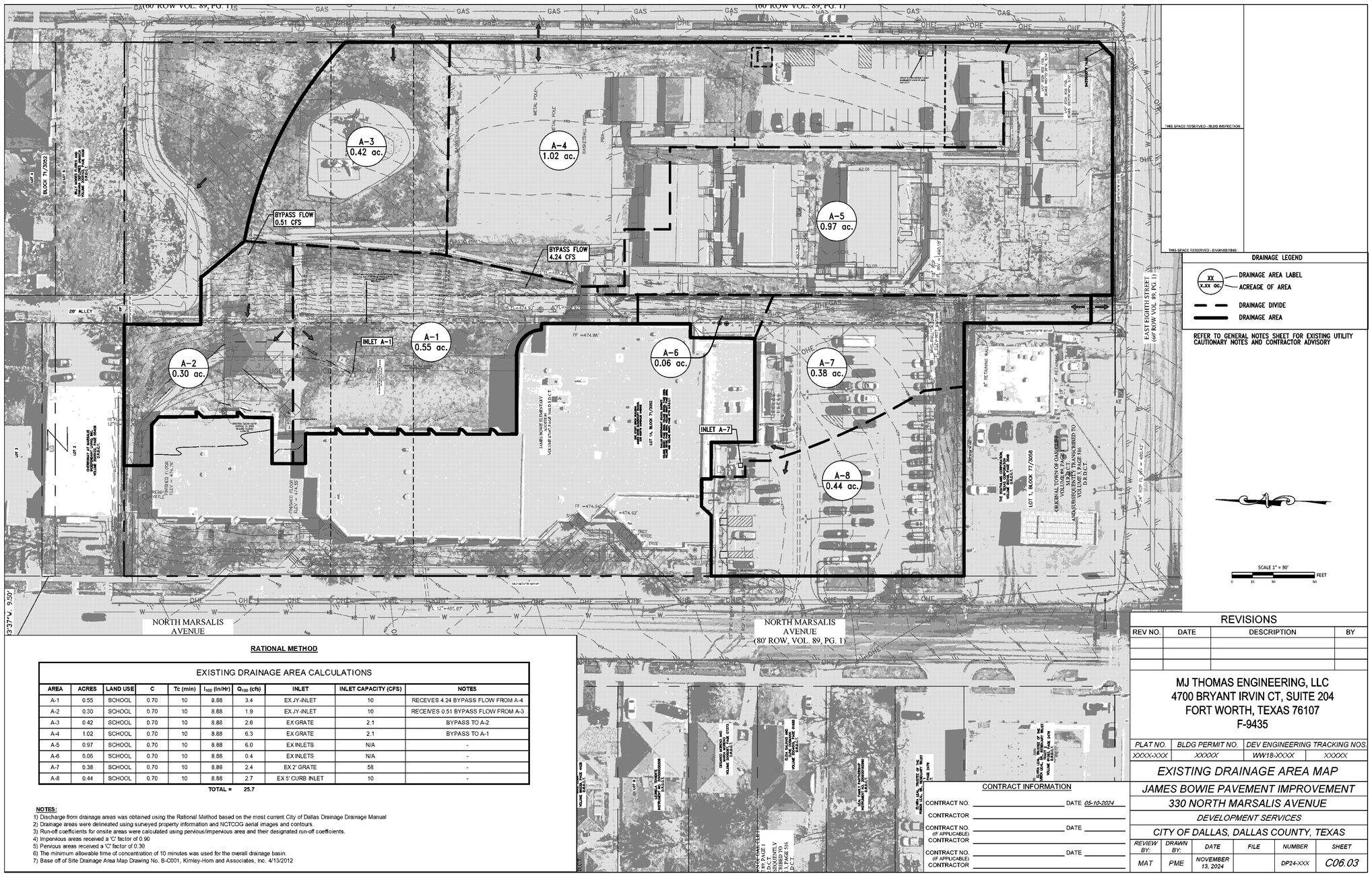

RATIONAL METHOD

EXISTING DRAINAGE AREA CALCULATIONS

AREA	ACRES	LAND USE	C	Tc (min)	I_{100} (in/Hr)	Q_{100} (cfs)	INLET	INLET CAPACITY (CFS)	NOTES
A-1	0.55	SCHOOL	0.70	10	8.88	3.4	EX JY-INLET	10	RECEVES 4.24 BYPASS FLOW FROM A-4
A-2	0.30	SCHOOL	0.70	10	8.88	1.9	EX JY-INLET	10	RECEIVES 0.51 BYPASS FLOW FROM A-3
A-3	0.42	SCHOOL	0.70	10	8.88	2.6	EX GRATE	2.1	BYPASS TO A-2
A-4	1.02	SCHOOL	0.70	10	8.88	6.3	EX GRATE	2.1	BYPASS TO A-1
A-5	0.97	SCHOOL	0.70	10	8.88	6.0	EX INLETS	N/A	-
A-6	0.06	SCHOOL	0.70	10	8.88	0.4	EX INLETS	N/A	-
A-7	0.38	SCHOOL	0.70	10	8.88	2.4	EX 2' GRATE	58	-
A-8	0.44	SCHOOL	0.70	10	8.88	2.7	EX 5' CURB INLET	10	-
					TOTAL =	25.7			

NOTES:

1) Discharge from drainage areas was obtained using the Rational Method based on the most current City of Dallas Drainage Drainage Manual
2) Drainage areas were delineated using surveyed property information and NCTCOG aerial images and contours.
3) Run-off coefficients for onsite areas were calculated using pervious/impervious area and their designated run-off coefficients.
4) Impervious areas received a 'C' factor of 0.90
5) Pervious areas received a 'C' factor of 0.30
6) The minimum allowable time of concentration of 10 minutes was used for the overall drainage basin.
7) Base off of Site Drainage Area Map Drawing No. B-C001, Kimley-Horn and Associates, Inc. 4/13/2012

CONTRACT INFORMATION

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FORT WORTH, TEXAS 76107
F-9435

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EXISTING DRAINAGE AREA MAP
JAMES BOWIE PAVEMENT IMPROVEMENT
330 NORTH MARSALIS AVENUE
DEVELOPMENT SERVICES
CITY OF DALLAS, DALLAS COUNTY, TEXAS

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REVISIONS:

STATE OF TEXAS
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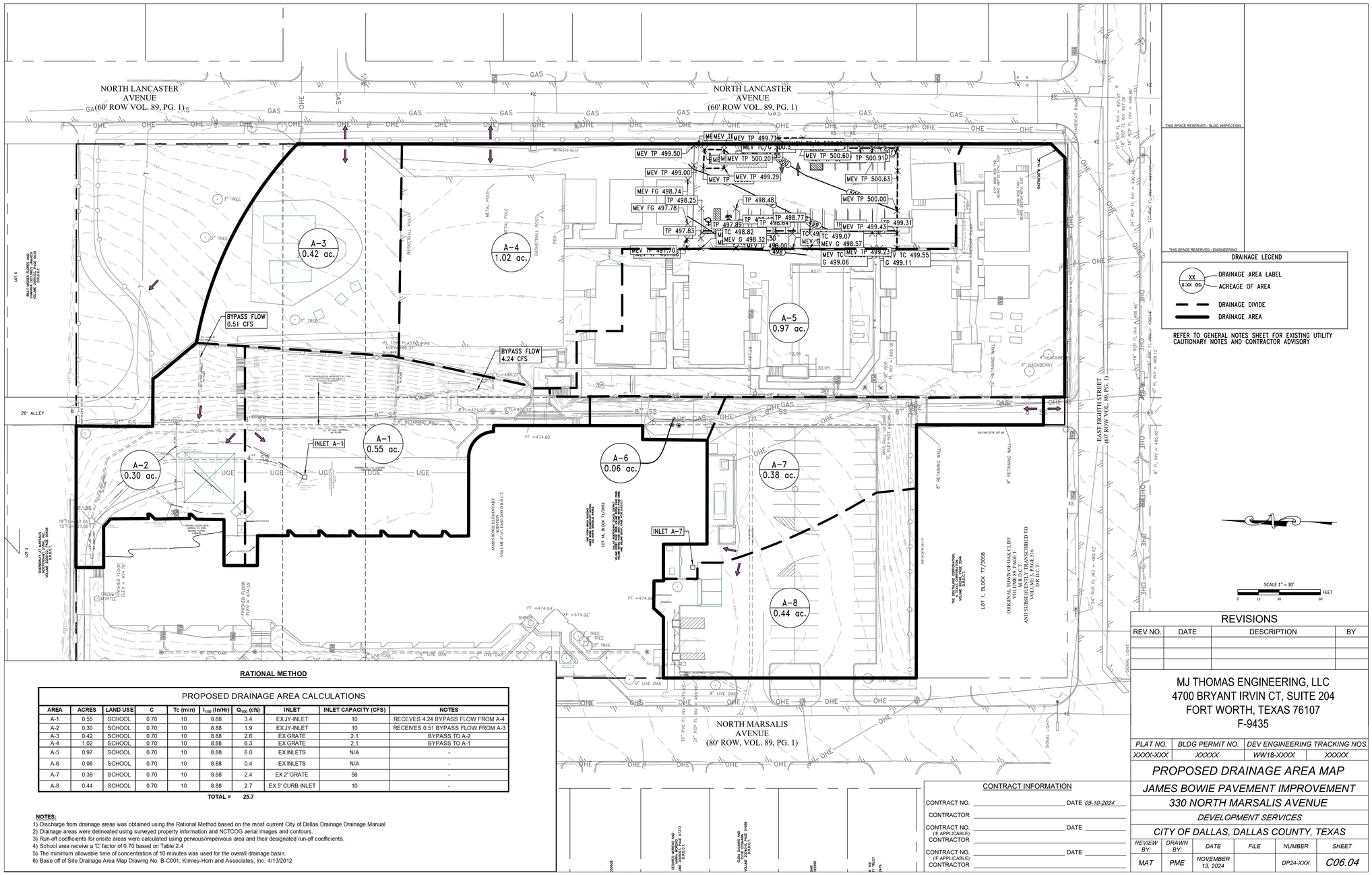

RATIONAL METHOD

PROPOSED DRAINAGE AREA CALCULATIONS

AREA	ACRES	LAND USE	C	Tc (min)	I_{100} (In/Hr)	Q_{100} (cfs)	INLET	INLET CAPACITY (CFS)	NOTES
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A-6	0.06	SCHOOL	0.70	10	8.88	0.4	EX INLETS	N/A	-
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4) School area receive a 'C' factor of 0.70 based on Table 2.4
5) The minimum allowable time of concentration of 10 minutes was used for the overall drainage basin.
6) Base off of Site Drainage Area Map Drawing No. B-C001, Kimley-Horn and Associates, Inc. 4/13/2012

THIS SPACE RESERVED - BLDG INSPECTION

THIS SPACE RESERVED - ENGINEERING

DRAINAGE LEGEND

XX
X.XX ac.
DRAINAGE AREA LABEL
ACREAGE OF AREA
DRAINAGE DIVIDE
DRAINAGE AREA

REFER TO GENERAL NOTES SHEET FOR EXISTING UTILITY CAUTIONARY NOTES AND CONTRACTOR ADVISORY

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FORT WORTH, TEXAS 76107
F-9435

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PROPOSED DRAINAGE AREA MAP

JAMES BOWIE PAVEMENT IMPROVEMENT
330 NORTH MARSALIS AVENUE
DEVELOPMENT SERVICES
CITY OF DALLAS, DALLAS COUNTY, TEXAS

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REVISIONS:

MICHAEL A. THOMAS 93640 LICENSED PROFESSIONAL ENGINEER
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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT
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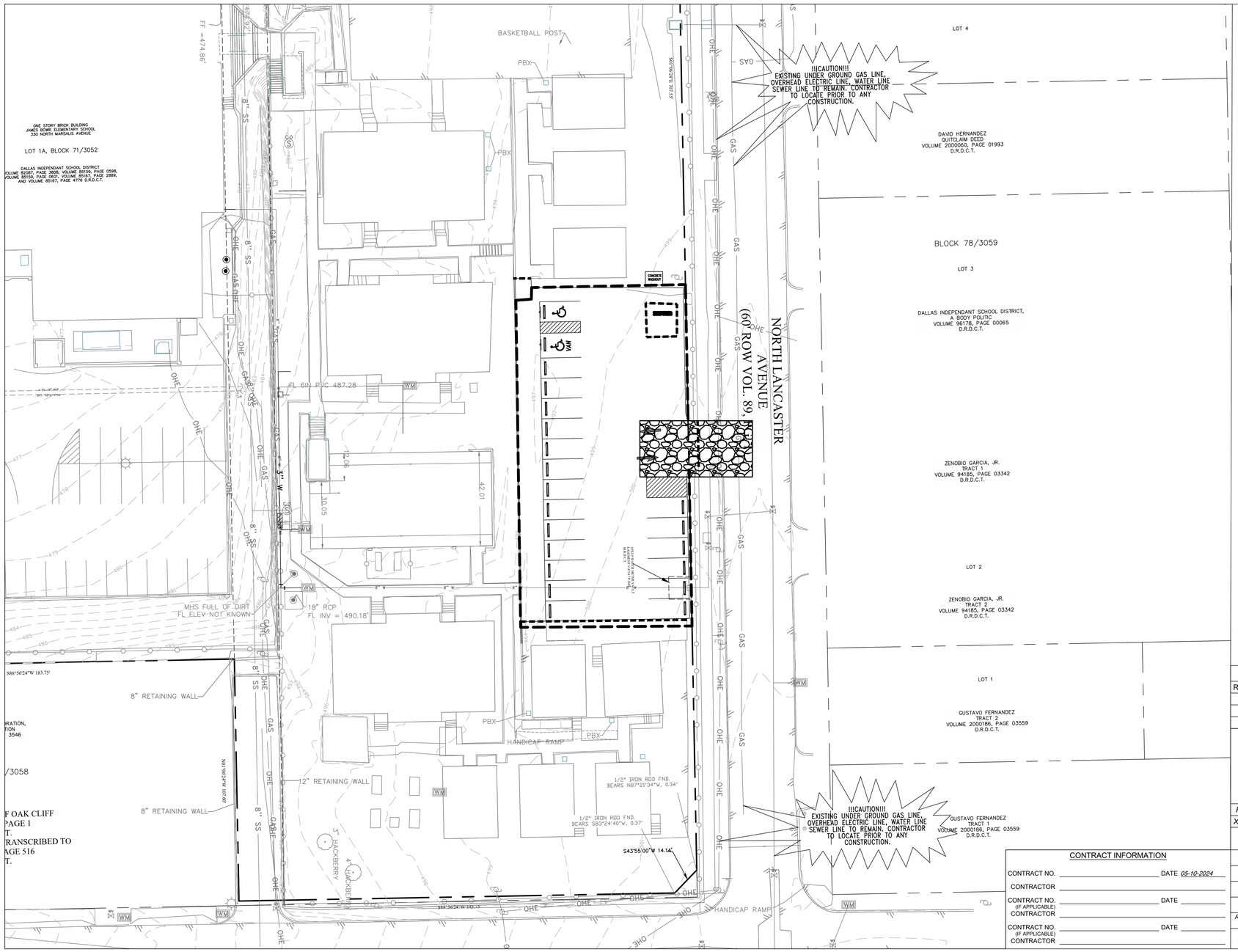

SEDIMENT CONTROL LEGEND

- SUGGESTED CONSTRUCTION ENTRANCE LOCATION
- PROVIDE SILT FENCE AS DETAILED
- CONSTRUCT INLET PROTECTION AS DETAILED

ANY TRAFFIC CONTROL PLAN (TCP) MUST BE SUBMITTED TO THE DEPARTMENT OF PUBLIC WORKS FOR REVIEW AND APPROVAL BY TRAFFIC SAFETY COORDINATORS PRIOR TO START OF CONSTRUCTION. NO TRAFFIC LANE OR SIDEWALK ALONG ANY PUBLIC STREET OR ALLEY IS TO BE CLOSED WITHOUT FIRST OBTAINING THE APPROPRIATE PERMIT(S). CLOSURE OF ANY TRAFFIC LANE MUST BE RESTRICTED TO THE HOURS OF 9:30 A.M. TO 3:30 P.M. WORKDAYS (HOURS MAY DIFFER IN SCHOOL ZONES). CONTRACTOR MUST CALL (214) 948-4290 TO REQUEST APPROVAL OF TCP AND TO OBTAIN A RIGHT-OF-WAY PERMIT.

REVISIONS

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FORT WORTH, TEXAS 76107
F-9435

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CONTRACT INFORMATION

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SEDIMENT CONTROL PLAN

JAMES BOWIE PAVEMENT IMPROVEMENT

330 NORTH MARSALIS AVENUE

DEVELOPMENT SERVICES

CITY OF DALLAS, DALLAS COUNTY, TEXAS

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CONSTRUCTION ACTIVITY	SCHEDULE CONSIDERATION
CONSTRUCTION ACCESS--ENTRANCE TO SITE, CONSTRUCTION ROUTES, AREAS DESIGNATED FOR EQUIPMENT PARKING	THIS IS THE FIRST LAND-DISTURBING ACTIVITY. AS SOON AS CONSTRUCTION BEGINS, STABILIZE ANY BARE AREAS WITH GRAVEL AND TEMPORARY VEGETATION.
SEDIMENT TRAPS AND BARRIERS--BASIN TRAPS, SEDIMENT FENCES AND OUTLET PROTECTION	AFTER CONSTRUCTION SITE IS ACCESSED, PRINCIPAL BASIN SHOULD BE INSTALLED, WITH THE ADDITION OF MORE TRAPS AND BARRIERS AS NEEDED DURING GRADING.
RUNOFF CONTROL--DIVERSION, PERIMETER DIKES, WATER BARS, OUTLET PROTECTION	KEY PRACTICES SHOULD BE INSTALLED AFTER THE INSTALLATION OF PRINCIPAL SEDIMENT TRAPS AND BEFORE LAND GRADING. ADDITIONAL RUNOFF CONTROL MEASURES MAY BE INSTALLED DURING GRADING.
RUNOFF CONVEYANCE SYSTEM--STABILIZE STREAM BANKS, STORM DRAINS, CHANNELS, INLET AND OUTLET PROTECTION, SLOPE DRAINS	IF NECESSARY, STABILIZE STREAM BANKS AS SOON AS POSSIBLE, AND INSTALL PRINCIPAL RUNOFF CONVEYANCE SYSTEM WITH RUNOFF CONTROL MEASURES. THE REMAINDER OF THE SYSTEMS MAY BE INSTALLED AFTER GRADING.
LAND CLEARING AND GRADING--SITE PREPARATION (CUTTING, FILLING, AND GRADING, SEDIMENT TRAPS, BARRIERS, DIVERSION, DRAINS, SURFACE ROUGHENING)	IMPLEMENT MAJOR CLEARING AND GRADING AFTER INSTALLATION OF PRINCIPAL SEDIMENT AND KEY RUNOFF-CONTROL MEASURES, AND INSTALL ADDITIONAL CONTROL MEASURES AS GRADING CONTINUES. CLEAR BORROW AND DISPOSAL AREAS AS NEEDED, AND MARK TREES AND BUFFER AREAS FOR PRESERVATION.
SURFACE STABILIZATION--TEMPORARY AND PERMANENT SEEDING, MULCHING, SODDING, RIP RAP	TEMPORARY OR PERMANENT STABILIZING MEASURES SHOULD BE APPLIED IMMEDIATELY TO ANY DISTURBED AREAS WHERE WORK HAS BEEN EITHER COMPLETED OR DELAYED.
BUILDING CONSTRUCTION--BUILDINGS, UTILITIES, PAVING	DURING CONSTRUCTION, INSTALL ANY EROSION AND SEDIMENTATION CONTROL MEASURES THAT ARE NEEDED.
LANDSCAPING AND FINAL STABILIZATION--TOPSOILING, TREES AND SHRUBS, PERMANENT SEEDING, MULCHING, SODDING, RIP RAP	THIS IS THE LAST CONSTRUCTION PHASE. STABILIZE ALL OPEN AREAS, INCLUDING BORROW AND SPOIL AREAS, AND REMOVE AND STABILIZE ALL TEMPORARY CONTROL MEASURES.
CONTRACTOR ADVISORY: THE CONTRACTOR, AND HIS AGENTS, SUB CONTRACTOR/ENGINEER/SURVEYOR, ARE COMPLETELY RESPONSIBLE FOR THE VERIFICATION OF THE ACCURACY OF THE DIMENSION CONTROL FURNISHED HEREIN. THE OWNER, AND HIS AGENTS, ARE NOT RESPONSIBLE FOR THE ACCURACY OF THE COORDINATES FURNISHED. THE CONTRACTOR IS REQUIRED TO VERIFY ALL OF THE COORDINATES FOR ACCURACY AND CONFIRM THE LOCATIONS OF ALL UTILITIES TO BE CONSTRUCTED, BOTH HORIZONTALLY AND VERTICALLY. DISCREPANCIES FOUND BY THE CONTRACTOR SHALL BE REPORTED IN WRITING, TO THE OWNER IMMEDIATELY FOR RECONCILIATION.	NOTE: 1. ALL CONSTRUCTION METHODS AND MATERIAL SHALL CONFORM TO THE PROJECT SPECIFICATIONS. IN AREAS WHERE PROJECT SPECIFICATIONS DO NOT COVER, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AS PUBLISHED BY THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) LATEST EDITION SHALL APPLY. 2. CONTRACTOR SHALL PROVIDE A CONCRETE WASH OUT PIT PER NCTCOG BEST MANAGEMENT PRACTICES.
EXISTING IRRIGATION SYSTEM NOTE: THE CONTRACTOR SHALL PROTECT ALL EXISTING SPRINKLER HEADS, LINES, ETC. DURING THE DURATION OF CONSTRUCTION. ANY SPRINKLER LINES, HEADS, METERS, VALVES, ETC. THAT ARE DAMAGED OR RELOCATED BY CONSTRUCTION SHALL BE REPAIRED AND/OR REPLACED TO ORIGINAL CONDITION OR BETTER (NO SPECIAL PAY). COORDINATE WITH OWNER AND/OR LANDSCAPE IRRIGATION PLANS.	

THIS SPACE RESERVED - BLDG INSPECTION

THIS SPACE RESERVED - ENGINEERING

SITE DISTURBANCE NOTES:

1. ALL AREAS OF THE SITE INCLUDING ANY OFF-SITE AREA THAT IS DISTURBED BY CONSTRUCTION ACTIVITIES, SHALL RECEIVE AT A MINIMUM, HYDROMULCH AND 6" OF TOP-SOIL. REFER TO LANDSCAPE, DEMOLITION, GRADING, PAVING, DRAINAGE, WATER, SEWER, IRRIGATION AND SEDIMENT CONTROL PLANS TO DETERMINE ALL LIMITS OF DISTURBANCE. CONTRACTOR SHALL PROVIDE SOD AS REQUIRED ELSEWHERE IN THE PLANS.
2. SUPPLY THE SEEDED AREAS WITH ADEQUATE MOISTURE (6" PENETRATION) AT TEN (10) DAY INTERVALS, IF NEEDED, FOR SEED GERMINATION AND PLANT GROWTH UNTIL ACCEPTANCE BY THE OWNER. WATER THE SEED IN A MANNER WHICH WILL PREVENT EROSION OF THE SOIL. FURNISH ALL WATER TO BE USED. REPAIR WASHOUTS AND OTHER BARE SOIL AREAS IN A SEEDED AREA EITHER BY RE-SEEDING, SPRIGGING, OR SPOT-SODDING, AND PERFORM MAINTENANCE AS NEEDED TO ESTABLISH GRASS IN THE AREA. CONTROL COMPETITIVE WEED GROWTH DURING THE ESTABLISHMENT PERIOD WITH HERBICIDES. CHEMICAL USAGE SHALL BE IN ACCORDANCE WITH THE CURRENT RECOMMENDATIONS OF THE TEXAS AGRICULTURAL EXPERIMENT STATION OR LOCAL SOIL CONSERVATION SERVICE FIELD OFFICE TECHNICAL GUIDES. STRICTLY ADHERE TO ALL FEDERAL, STATE, AND LOCAL LAWS GOVERNING HERBICIDES. WEED CONTROL SHALL BE THE CONTRACTOR'S RESPONSIBILITY WHETHER TOPSOIL IS FROM ON-SITE OR OFF-SITE SOURCES AND ALSO FOR SEEDED AREAS WHICH ARE SPECIFIED NOT TO RECEIVE TOPSOIL.
3. ANY AREAS WHICH ARE DISTURBED BY THE CONTRACTOR WHICH ARE NOT SHOWN ON THE DRAWINGS OR SPECIFIED TO REQUIRE DISTURBANCE INCLUDING ANY APPROVED AREAS NOT SHOWN ON THE DRAWINGS, SHALL BE CONSIDERED AS UNAUTHORIZED DISTURBED AREAS. ANY SUCH AREAS SHALL BE SEEDED AS SPECIFIED IN THIS SECTION AT THE CONTRACTOR'S EXPENSE.
(NO SEPARATE PAY)

SEQUENCE OF CONSTRUCTION:

PHASE I:
1. INSTALL STABILIZED CONSTRUCTION ENTRANCES
2. PREPARE TEMPORARY PARKING AND STORAGE AREA
3. CONSTRUCT THE SILT FENCES ONSITE
4. CONSTRUCT THE SEDIMENTATION BASINS
5. CLEAR AND GRUB THE SITE
6. START CONSTRUCTION OF BUILDING PAD AND STRUCTURES
7. BEGIN GRADING THE SITE

PHASE II:
1. TEMPORARILY SEED DENUDED AREAS
2. INSTALL UTILITIES, UNDERDRAINS, STORM SEWERS, CURBS AND GUTTERS
3. INSTALL RIP-RAP AROUND OUTLET STRUCTURES
4. INSTALL INLET PROTECTION AROUND ALL STORM SEWER STRUCTURES
5. PREPARE SITE FOR PAVING
6. PAVE SITE
7. INSTALL INLET PROTECTION DEVICES
8. COMPLETE GRADING AND INSTALL PERMANENT SEEDING AND PLANTING
9. REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES (ONLY IF SITE IS STABILIZED)

INLET PROTECTION NOTES:

1. FOR DROP INLETS, USE TEMPORARY INSERTS AND BLOCK GRAVEL PROTECTION AS DETAILED.
2. FOR CURB INLETS, USE TEMPORARY INSETS.
3. FOR TRENCH AND GRATE INLETS, USE TEMPORARY INSERTS AND BLOCK GRAVEL PROTECTION AS DETAILED.
   -TEMPORARY INSERTS SHALL BE IPC, CURB GUARD, FILTREXX SOXX, WEIGHTED WATTLE, ETC.
   -TEMPORARY INSERTS AND OTHER SEDIMENT CONTROL MEASURES SHALL BE CLEANED OUT ON A REGULAR BASIS BY THE CONTRACTOR.

SEDIMENT CONTROL NOTES:

1. ALL CONSTRUCTION METHODS AND MATERIAL SHALL CONFORM TO THE PROJECT SPECIFICATIONS. IN AREAS WHERE PROJECT SPECIFICATIONS DO NOT COVER, THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AS PUBLISHED BY THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) LATEST EDITION SHALL APPLY
2. EROSION CONTROL MEASURES SHALL FOLLOW THE STORM WATER POLLUTION PREVENTION PLAN (S.W.P.P.P.) THAT IS KEPT ONSITE AT ALL TIMES WITH THESE CONSTRUCTION DOCUMENTS FOR COMPLIANCE WITH THE T.P.D.E.S. GENERAL PERMIT
3. IN ORDER TO MINIMIZE EROSION CONTROL PROBLEMS, GENERAL CONTRACTOR SHALL COORDINATE WITH EXCAVATOR, LANDSCAPE, AND IRRIGATION CONTRACTORS TO DETERMINE EARLIEST POSSIBLE DATE TO INSTALL GRASSING AS NOTED ON THE LANDSCAPE PLAN
4. THE STABILIZED CONSTRUCTION ENTRANCE HAS BEEN SHOWN ARBITRARILY. IT IS THE GENERAL CONTRACTOR'S CHOICE (IN COMPLIANCE WITH ALL CITY AND STATE REGULATIONS) TO DETERMINE THE LOCATION(S) OF PROJECT INGRESS / EGRESS POINTS. HOWEVER ALL ENTRANCES AT ALL TIMES SHALL BE PREPARED IN ACCORDANCE WITH THE STABILIZED CONSTRUCTION ENTRANCE DETAILS AND CONTINUOUSLY MAINTAINED UNTIL FINAL PAVING IS ESTABLISHED. CHANGES TO THIS EROSION CONTROL PLAN ARE TO BE LOGGED IN THE SWPPP
5. STABILIZED SLOPES (CURLEX BLANKET AND 70% COVER OF VEGETATION) ACHIEVING EROSION-FREE CONDITIONS MUST BE IN PLACE AND EFFECTIVE BY THE PROJECT "POSSESSION DATE"
6. A TEMPORARY ALL-WEATHER SURFACE TO AND COMPLETELY AROUND THE BUILDING PAD SHALL BE REQUIRED DURING CONSTRUCTION. CONTRACTOR SHALL COORDINATE WITH FIRE MARSHALL TO DETERMINE ANY VEHICULAR FIRE ACCESS REQUIRED DURING CONSTRUCTION
7. THE EROSION CONTROL PLAN WILL INCORPORATE EROSION CONTROL MEASURES AND TECHNIQUES TO PREVENT SEDIMENTATION AND ERODED SOIL FROM LEAVING THE SITE EITHER IN EXISTING STORM DRAIN SYSTEM OR ONTO ADJACENT PRIVATE AND PUBLIC PROPERTY. CONSTRUCT TEMPORARY EROSION CONTROL SYSTEMS AS SHOWN ON THE PLANS TO PROTECT ADJACENT PROPERTIES AND WATER RESOURCES FROM EROSION AND SEDIMENTATION. CONTRACTOR SHALL NOTIFY CONSULTING ENGINEER AT ONCE IF SITE CONDITIONS WARRANT ADDITIONAL EROSION CONTROL MEASURES. CONTRACTOR IS RESPONSIBLE FOR TAKING IMMEDIATE ACTION TO REMEDY EROSION CONTROL WHILE CONSULTING ENGINEER IS PREPARING RESPONSE
8. THE CONTRACTOR SHALL STABILIZE THE EARTHEN SLOPE AREAS IN ACCORDANCE WITH THE LANDSCAPE PLAN WITHIN 72 HOURS AFTER FINAL GRADE AND TOPSOIL HAS BEEN ESTABLISHED IN ACCORDANCE WITH THE PROJECT SITEWORK SPECS
9. THE SPECIFIC PLANT MATERIALS PROPOSED TO PROTECT FILL AND EXCAVATED SLOPES SHALL BE AS INDICATED ON THE PLANS. PLANT MATERIALS MUST BE SUITABLE FOR USE UNDER LOCAL CLIMATE AND SOIL CONDITIONS. IN GENERAL, HYDRO SEEDING OR SODDING BERMUDA GRASS IS ACCEPTABLE DURING THE SUMMER MONTHS (MAY 1 TO AUGUST 30). WINTER RYE OR FESCUE GRASS MAY BE PLANTED DURING TIMES OTHER THAN THE SUMMER MONTHS AS A TEMPORARY MEASURE UNTIL SUCH TIME AS THE PERMANENT PLANTING CAN BE MADE
10. PRIOR TO COMMENCING ANY CONSTRUCTION, A CONSTRUCTION ENTRANCE AND PERIMETER SILT FENCE SHALL BE INSTALLED AT THE LOCATION(S) SHOWN
11. AS INLETS ARE COMPLETED, TEMPORARY SEDIMENT BARRIERS SHALL BE INSTALLED
12. AT THE COMPLETION OF THE PAVING AND FINAL GRADING, THE DISTURBED AREA(S) SHALL BE REVEGETATED IN ACCORDANCE WITH THE PLANS
13. SILT FENCE AND INLET SEDIMENT BARRIERS SHALL REMAIN IN PLACE UNTIL REVEGETATION HAS BEEN COMPLETED
14. DISTURBED AREAS THAT ARE SEEDED OR SODDED SHALL BE CHECKED PERIODICALLY TO SEE THAT GRASS COVERAGE IS PROPERLY MAINTAINED. DISTURBED AREAS SHALL BE WATERED, FERTILIZED, AND RESEEDED OR RESODDED, IF NECESSARY
15. ALL EROSION CONTROL MEASURES TO BE PLACED BASED ON CONTRACTOR'S BEST JUDGMENT AND CONSTRUCTION PHASING TO MINIMIZE SILT RUNOFF TO THE MAXIMUM EXTENT PRACTICABLE
16. TEMPORARY INLET PROTECTION TO BE REMOVED OR ADDED BASED ON EXISTING STORM SEWER REMOVAL AND/OR PROPOSED STORM SEWER CONSTRUCTION. FUNCTIONING INLETS SHALL BE INLET PROTECTED AT ALL TIMES. (USE PIPE INLET PROTECTION IF NEEDED)
17. SHOWN CONSTRUCTION ENTRANCES TO BE PLACED, MODIFIED ON THIS PLAN AND LOGGED IN THE SWPPP BASED ON CONSTRUCTION MANAGER'S ON-SITE DECISIONS TO CONTROL EROSION TO THE MAXIMUM EXTENT PRACTICABLE CONSTRUCTION ENTRANCES TO BE PLACED BASED ON CONSTRUCTION PHASING
18. CONTRACTOR SHALL DESIGN AND CONSTRUCT THE WASH-OUT PIT AND CONTAINMENT BASIN IN ACCORDANCE WITH THE STORM WATER POLLUTION PLAN FOR THE PROJECT AND SUBMIT PROPOSED LOCATIONS TO THE ENGINEER FOR APPROVAL PRIOR TO BEGINNING ANY CONSTRUCTION

CONCRETE WASH-OUT PIT NOTES:

1. CONTRACTOR SHALL PROVIDE A WASH-OUT AREA, AS SPECIFIED IN THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENTS (NCTCOG) ISWM MANUAL FOR CONSTRUCTION LATEST EDITION, WITH A MINIMUM OF 6 CUBIC FEET OF CONTAINMENT AREA VOLUME FOR EVERY 10 CUBIC YARDS OF CONCRETE POURED
2. CONTRACTOR SHALL NOT DUMP WASTE CONCRETE ILLICITLY OR WITHOUT PROPERTY OWNER'S KNOWLEDGE AND CONSENT
3. OVERFLOW OF WASHDOWN WATER SHALL BE DISCHARGED IN AN AREA PROTECTED BY ONE OR MORE SEDIMENT REMOVAL BMPS AND SHALL BE DONE IN MANNER THAT DOES NOT RESULT IN A VIOLATION OF GROUNDWATER OR SURFACE WATER QUALITY STANDARDS
4. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS SET FORTH IN TPDES GENERAL PERMIT TXR 150000

MAINTENANCE:

ALL MEASURES STATED ON THIS EROSION CONTROL PLAN, AND IN THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE MAINTAINED IN FULLY FUNCTIONAL CONDITION UNTIL NO LONGER REQUIRED FOR A COMPLETED PHASE OF WORK OR FINAL STABILIZATION OF THE SITE. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CHECKED BY A QUALIFIED PERSON ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A 0.5" RAINFALL EVENT, AND CLEANED AND REPAIRED IN ACCORDANCE WITH THE FOLLOWING:

1. INLET PROTECTION DEVICES AND BARRIERS SHALL BE REPAIRED OR REPLACED IF THEY SHOW SIGNS OF UNDERMINING, OR DETERIORATION
2. ALL SEEDED AREAS SHALL BE CHECKED REGULARLY TO SEE THAT A STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED, WATERED, AND RESEEDED AS NEEDED
3. SILT FENCES SHALL BE REPAIRED TO THEIR ORIGINAL CONDITIONS IF DAMAGED. SEDIMENT SHALL BE REMOVED FROM THE SILT FENCES WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SILT FENCE
4. THE CONSTRUCTION ENTRANCES SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE CONSTRUCTION ENTRANCES AS CONDITIONS DEMAND
5. THE TEMPORARY PARKING AND STORAGE AREA SHALL BE KEPT IN GOOD CONDITION (SUITABLE FOR PARKING AND STORAGE). THIS MAY REQUIRE PERIODIC TOP DRESSING OF THE TEMPORARY PARKING AS CONDITIONS DEMAND
6. OUTLET STRUCTURES IN THE SEDIMENTATION BASINS SHALL BE MAINTAINED IN OPERATIONAL CONDITIONS AT ALL TIMES. SEDIMENT SHALL BE REMOVED FROM SEDIMENT BASINS OR TRAPS WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 50%

EROSION CONTROL AND SLOPE PROTECTION IMPLEMENTATION:

1. PLACE EROSION CONTROL SYSTEMS IN ACCORDANCE WITH CONSTRUCTION DRAWINGS AND STORM WATER POLLUTION PREVENTION PLAN OR AS MAY BE DICTATED BY SITE CONDITIONS IN ORDER TO MAINTAIN THE INTENT OF THE SPECIFICATIONS AND PERMITS AT NO ADDITIONAL COST TO OWNER
2. DEFICIENCIES OR CHANGES ON CONSTRUCTION DRAWINGS OR STORM WATER POLLUTION PREVENTION PLAN SHALL BE IMPLEMENTED AS SITE CONDITIONS CHANGE
3. OWNER HAS AUTHORITY TO LIMIT SURFACE AREA OF ERODIBLE EARTH MATERIAL EXPOSED BY CLEARING AND GRUBBING, EXCAVATION, BORROW AND EMBANKMENT OPERATIONS AND TO DIRECT CONTRACTOR TO PROVIDE IMMEDIATE PERMANENT OR TEMPORARY POLLUTION CONTROL MEASURES
4. MAINTAIN TEMPORARY EROSION CONTROL SYSTEMS AS DIRECTED BY OWNER OR GOVERNING AUTHORITIES TO CONTROL SILTATION DURING LIFE OF CONTRACT. CONTRACTOR SHALL RESPOND TO MAINTENANCE OR ADDITIONAL WORK ORDERED BY OWNER OR GOVERNING AUTHORITIES WITHIN 48 HOURS OR SOONER IF REQUIRED AT NO ADDITIONAL COST TO THE OWNER
5. CONTRACTOR WILL BE REQUIRED TO INCORPORATE PERMANENT EROSION CONTROL FEATURES INTO PROJECT AT EARLIEST PRACTICAL TIME TO MINIMIZE NEED FOR TEMPORARY CONTROLS
6. PERMANENTLY SEED AND MULCH CUT SLOPES AS EXCAVATION PROCEEDS TO EXTENT CONSIDERED DESIRABLE AND PRACTICAL
7. SLOPES THAT ERODE EASILY OR THAT WILL NOT BE GRADED FOR A PERIOD OF 14 DAYS OR MORE SHALL BE TEMPORARILY SEEDED AS WORK PROGRESSES WITH WHEAT, RYE, OR OATS APPLICATION IN ACCORDANCE WITH SECTION 02900 UNLESS OTHERWISE SPECIFIED ON THE CONSTRUCTION DRAWINGS

EROSION CONTROL BLANKET:

BLANKETS, BIODEGRADABLE, ENCLOSED IN A PHOTODEGRADABLE PLASTIC MESH, INCLUDING STEEL WIRE STAPLES, 6 INCHES LONG. CURLEX I BLANKETS, 8" STITCHING BY AMERICAN EXCELSIOR COMPANY, OR POLYJUTE STYLE 465 GT BY SYNTHETIC INDUSTRIES

CONTRACT INFORMATION

CONTRACT NO. _____ DATE 05-10-2024
CONTRACTOR _____
CONTRACT NO. (IF APPLICABLE) _____ DATE _____
CONTRACTOR _____
CONTRACT NO. (IF APPLICABLE) _____ DATE _____
CONTRACTOR _____

REVISIONS

REV NO.	DATE	DESCRIPTION	BY

MJ THOMAS ENGINEERING, LLC
4700 BRYANT IRVIN CT, SUITE 204
FORT WORTH, TEXAS 76107
F-9435

PLAT NO.	BLDG PERMIT NO.	DEV ENGINEERING TRACKING NOS.
XXXX-XXX	XXXXX	WW18-XXXX / XXXXX

SEDIMENT CONTROL NOTES

JAMES BOWIE PAVEMENT IMPROVEMENT
330 NORTH MARSALIS AVENUE
DEVELOPMENT SERVICES
CITY OF DALLAS, DALLAS COUNTY, TEXAS

REVIEW BY:	DRAWN BY:	DATE	FILE	NUMBER	SHEET
MAT	PME	NOVEMBER 13, 2024		DP24-XXX	C07.02

COMM. NO. 1288
DATE 11/13/24
DRAWN DWH
CHECKED Checker

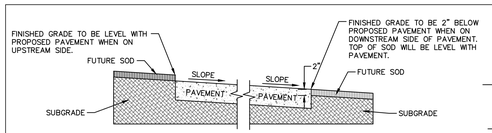
BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY
ONE INCH
REVISIONS:

STATE OF TEXAS
MICHAEL A. THOMAS
83640
LICENSED PROFESSIONAL ENGINEER
11/13/24

LBL ARCHITECTS
1901 W. RANDOL MILL ROAD
SUITE 330
ARLINGTON, TEXAS 76012
PHONE 817.265.1520
FAX 817.265.1522
WWW.LBLARCHITECTS.COM
TBAE FIRM # BR 1330

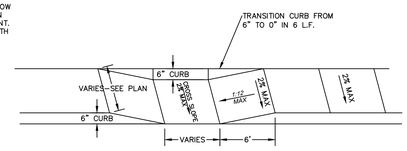
RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT
JAMES BOWIE ELEMENTARY SCHOOL
330 NORTH MARSALIS AVE, DALLAS, TX 75203

MJ THOMAS ENGINEERING, LLC
4700 BRYANT IRVIN CT, SUITE 204
FORT WORTH, TX 76107
REGISTRATION NO. F-9435
PHONE - (817) 732-9839
FAX - (817) 732-9941
MJT NO. - 817-025



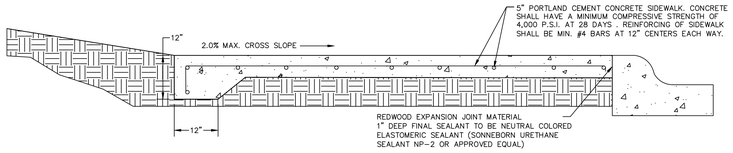
GRADING DETAIL FOR PAVEMENT WITHOUT CURB

NOT TO SCALE



SIDEWALK RAMP TYPE 6

NOT TO SCALE



TYPICAL SIDEWALK SECTION - ADJACENT TO CURB - WIDTH VARIES

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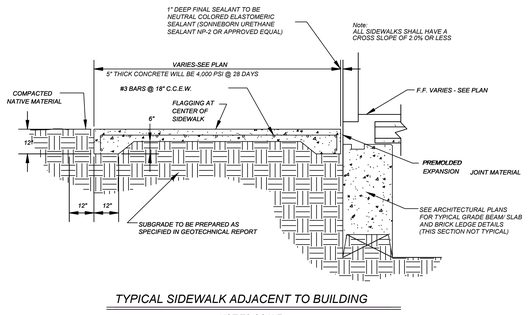

TYPICAL SIDEWALK ADJACENT TO BUILDING

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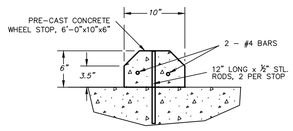
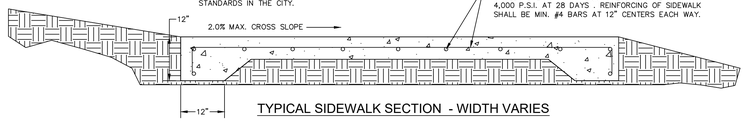


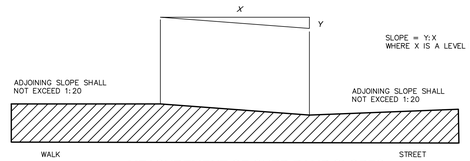
DETAIL OF PRECAST CONCRETE WHEELSTOP

NOT TO SCALE

NOTE:
EXPANSION JOINTS AT ANY DIRECTION CHANGE AND 30' MAXIMUM ON STRAIGHT RUNS. JOINTS TO BE CONSTRUCTED IN ACCORDANCE WITH DETAILS THIS SHEET. SIDEWALK WILL BE TOOL JOINTED AT MAX 5' INTERVALS OR IN ACCORDANCE WITH APPLICABLE STANDARDS IN THE CITY.

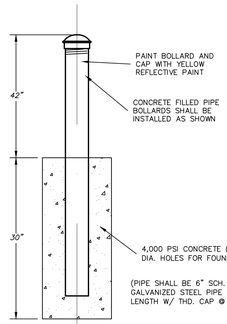


TYPICAL SIDEWALK SECTION - WIDTH VARIES



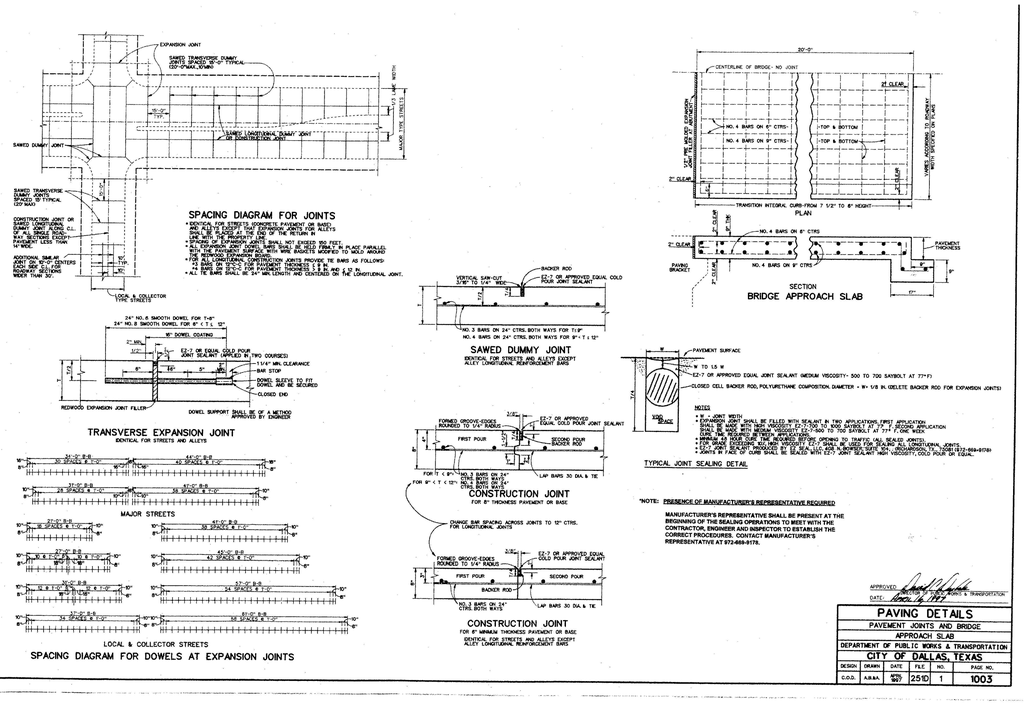
MEASUREMENT OF CURB RAMP SLOPES

NOT TO SCALE



TYPICAL CONCRETE FILLED PIPE BOLLARD DETAIL

NOT TO SCALE



THIS SPACE RESERVED - BLDG INSPECTION

THIS SPACE RESERVED - ENGINEERING

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

MJ THOMAS ENGINEERING, LLC
4700 BRYANT IRVIN CT, SUITE 204
FORT WORTH, TEXAS 76107
F-9435

PLAT NO.	BLDG PERMIT NO.	DEV ENGINEERING TRACKING NOS.	
XXXX-XXX	XXXXX	WW18-XXXX	XXXXX

SIDEWALK DETAILS

JAMES BOWIE PAVEMENT IMPROVEMENT
330 NORTH MARSALIS AVENUE
DEVELOPMENT SERVICES
CITY OF DALLAS, DALLAS COUNTY, TEXAS

CONTRACT INFORMATION

CONTRACT NO. _____ DATE 05-10-2024
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93640
REGISTERED PROFESSIONAL ENGINEER
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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT
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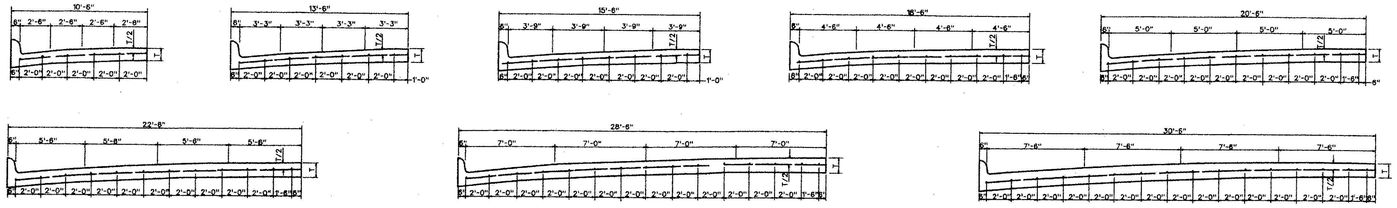
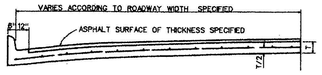


HALF SECTIONS- REINFORCED CONCRETE PAVEMENT AND CURBS

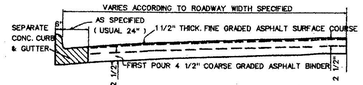
ALL BARS FOR T ≤ 9" TO BE NO. 3 TRANSVERSE BARS TO BE SPACED ON 2'-0" CENTERS. ALL CROWNS TO BE PARABOLIC IN SECTION AND SYMMETRICAL ABOUT CENTERLINE.
ALL BARS TO BE NO. 4 FOR 9" < T ≤ 12"

(ALTERNATE DESIGN USING PARABOLIC SECTIONS)



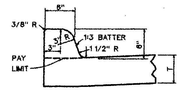
SCHEMATIC HALF SECTION OF REINFORCED CONCRETE BASE WITH INTEGRAL CURB & GUTTER AND ASPHALT SURFACE

EXCEPT AS INDICATED ABOVE, ALL SECTION DETAILS SHALL BE IDENTICAL TO THOSE SHOWN ELSEWHERE ON THIS SHEET FOR COLLECTOR AND LOCAL TYPE STREETS.

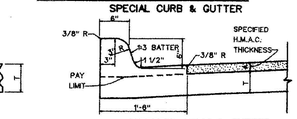


SCHEMATIC HALF SECTION OF ASPHALT PAVEMENT WITH SEPARATE CONCRETE CURB & GUTTER

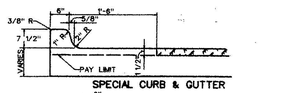
ALL DETAILS RELATING TO CROWN HEIGHTS AND CONTOUR SHALL BE IDENTICAL TO THOSE SHOWN FOR " REINFORCED CONCRETE BASE WITH ASPHALT SURFACE." ASPHALT SHALL BE PLACED IN LIFTS OF NO MORE THAN 3 INCHES.



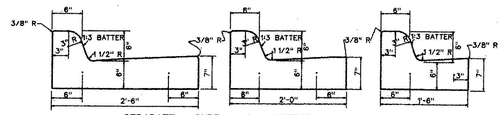
INTEGRAL CURB



INTEGRAL CURB & GUTTER



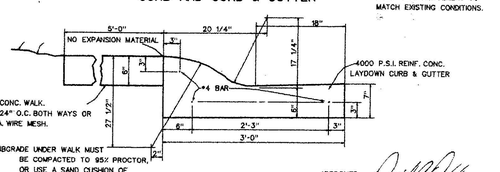
SPECIAL CURB & GUTTER



SEPARATE CURB & GUTTER
REINFORCEMENT SHALL BE NO. 4 BARS

NOTE: SEPARATE CURB WITH 12" AND 18" GUTTER SHALL BE USED ONLY AS REPLACEMENT TO MATCH EXISTING CONDITIONS.

CURB AND CURB & GUTTER

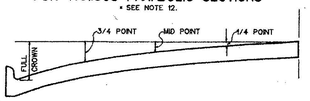


NOTES: SUBGRADE UNDER WALK MUST BE COMPACTED TO 95% PROCTOR, OR USE A SAND CUSHION OF 4" MIN. THICKNESS.

MOUNTABLE CURB AND GUTTER DETAILS
REINF. CONC. WALK DETAILS

TABLE OF CROWN HEIGHTS AND ORDINATES FOR VARIOUS PARABOLIC SECTIONS

* SEE NOTE 12.



ROADWAY WIDTH	TYPE SURFACE	TOTAL CROWN	3/4 POINT	MID POINT	1/4 POINT
20'	CONCRETE	3"	1-11/16"	3/4"	3/16"
20'	ASPHALT	4"	2-1/4"	1"	1/4"
28'	CONCRETE	4"	2-1/4"	1"	1/4"
26'	ASPHALT	5"	2-13/16"	1-1/4"	5/16"
33'	CONCRETE	6"	3-3/8"	1-1/2"	3/8"
33'	ASPHALT	7"	3-15/16"	1-3/4"	7/16"
36'	CONCRETE	6"	3-3/8"	1-1/2"	3/8"
36'	ASPHALT	7"	3-15/16"	1-3/4"	7/16"
40'	CONCRETE	6"	3-3/8"	1-1/2"	3/8"
40'	ASPHALT	7"	3-15/16"	1-3/4"	7/16"
44'	CONCRETE	6"	3-3/8"	1-1/2"	3/8"
44'	ASPHALT	7"	3-15/16"	1-3/4"	7/16"
56'	CONCRETE	8"	4-1/2"	2"	1/2"
56'	ASPHALT	9"	5-1/16"	2-1/4"	9/16"
60'	CONCRETE	8"	4-1/2"	2"	1/2"
60'	ASPHALT	9"	5-1/16"	2-1/4"	9/16"

STANDARD PAVEMENT THICKNESS (T) OF STREETS FOR VARIOUS STREET CLASSIFICATIONS AND TRAFFIC DESIGN LOADING ARE AS FOLLOWS:	
CLASSIFICATION	T
-LOCAL STREET, RESIDENTIAL ZONED DISTRICTS	6"
-LOCAL STREET, NONRESIDENTIAL ZONED DIST.	6"
-RESIDENTIAL COLLECTOR	8"
-COMMUNITY COLLECTOR NORMAL TRAFFIC DESIGN LOADING.	9"
-COMMUNITY COLLECTOR HEAVY TRAFFIC DESIGN LOADING.	10"
-PRINCIPAL AND MINOR ARTERIALS, NORMAL TRAFFIC DESIGN LOADING.	9"
-PRINCIPAL AND MINOR ARTERIALS, HEAVY TRAFFIC DESIGN LOADING.	11"
-CBD STREETS	10"ON 4" CTB
-CBD STREETS (ALTERNATE DESIGN)	10"ON 8"CEMENT STABILIZED SUBGRADE (10)3

SEE PAVING DESIGN MANUAL, TABLE V-1 FOR DESIGN DETAILS

GENERAL NOTES FOR ALL TYPES OF REINFORCED CONCRETE PAVEMENT OR BASE -- ARTERIAL, COLLECTOR, & LOCAL.

1. ALL SUBGRADE COMPACTION UNDER STREET PAVEMENT SHALL BE 98% STANDARD PROCTOR DENSITY AT +2% OF OPTIMUM MOISTURE.
2. THE MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS SHALL BE AS INDICATED ON THE PLANS AND ON THE SPECIFICATIONS.
3. BARS SHALL CONFORM TO CITY OF DALLAS STANDARD SPECIFICATIONS AND BE GRADE 40 kai DEFORMED REINFORCING BARS. SIZES AND SPACING SHALL BE AS INDICATED HEREIN EXCEPT SUCH ALTERNATES THAT MAY BE ALLOWED IN THE SPECIFICATIONS.
4. ALL CURB AND CURB & GUTTER SHALL BE INTEGRAL WITH PAVEMENT OR BASE EXCEPT THAT FOR ASPHALT PAVEMENT.
5. AS REFLECTED IN "TABLE OF CROWN HEIGHTS AND ORDINATES FOR VARIOUS PARABOLIC SECTIONS", TOTAL CROWN HEIGHTS FOR ASPHALT PAVEMENT AND CONCRETE BASE WITH ASPHALT SURFACE SHALL BE UNIFORMLY ONE INCH GREATER THAN THOSE INDICATED FOR CONCRETE SURFACES, WIDTH FOR WIDTH OF ROADWAY.
6. CROWNS FOR ALL DIVIDED ARTERIAL STREET TYPE SHALL BE STRAIGHT LINE SLOPES.
7. CROWNS FOR ALL UNDIVIDED ARTERIAL, LOCAL OR COLLECTOR STREET TYPES MAY BE PARABOLIC OR STRAIGHT IN SECTION.
8. DETAIL AND ARRANGEMENT OF JOINTS, ALL TYPES, SHALL BE AS SHOWN ON SHEET 1003.
9. INTEGRAL CONCRETE CURB AND CURB & GUTTER SHALL BE OF THE SAME COMPRESSIVE STRENGTH AS THE PAVEMENT OR BASE.
10. SEPARATE CONCRETE CURB & GUTTER SHALL BE OF THE STRENGTH SPECIFIED ON THE PLANS.
11. SEPARATE CONCRETE CURB & GUTTER SHALL BE MARKED 3/8 " DEEP WITH AN APPROVED TOOL IN 15 FOOT SECTIONS. EACH FOURTH JOINT SHALL BE AN EXPANSION JOINT CONFORMING IN DETAILS TO THOSE SHOWN IN "PART C" FOR PAVEMENT EXCEPT THAT THE FILLER SHALL BE OF 1/2 INCH PRE-MOLDED BITUMINOUS JOINT MATERIAL SHAPED SIMILAR TO THE CROSS SECTION OF CURB & GUTTER. THREE DOWELS SHALL BE EMPLOYED FOR EACH EXPANSION JOINT.
12. BAR LAPS SHALL BE 30 DIAMETERS.
13. SIX INCHES OF LIME STABILIZED SUBGRADE REQUIRED WHEN THE SOIL P.I. IS GREATER THAN 15 FOR LOCAL STREETS.

-EIGHT INCHES OF LIME OR CEMENT TREATED SUBGRADE REQUIRED WHEN THE SOIL P.I. IS GREATER THAN 15 FOR COLLECTOR OR ARTERIAL STREETS, NORMAL TRAFFIC DESIGN LOADING.
-EIGHT INCHES OF CEMENT MODIFIED SUBGRADE (AT 4% DRY WEIGHT OF SOIL) FOR ARTERIAL STREETS WHEN SOIL P.I. IS LESS THAN OR EQUAL TO 15, NORMAL TRAFFIC DESIGN LOADING.
-EIGHT INCHES OF CEMENT STABILIZED SUBGRADE FOR COMMUNITY COLLECTOR AND ARTERIAL STREETS REGARDLESS OF SOIL P.I. FOR HEAVY TRAFFIC LOADING DESIGNS. (SEE PAVING DESIGN MANUAL, TABLE V-1)
-CBD STREETS REQUIRE 4" CTB, 850 PSI COMPRESSIVE STRENGTH ON 6" COMPACTED SUBGRADE WITH 10" THICK REINFORCED CONCRETE PAVEMENT, REGARDLESS OF SOIL P.I. OR, IN THE ALTERNATE, 8 INCHES OF CEMENT STABILIZED SUBGRADE (AT 10% OF DRY WEIGHT OF SOIL) WITH 10" THICK REINFORCED CONCRETE PAVEMENT. SEE PAVING DESIGN MANUAL, TABLE V-1 FOR DESIGN DETAILS.

APPROVED
DIRECTOR OF PUBLIC WORKS & TRANSPORTATION
DATE: April 16, 1991

PAVING DETAILS					
PAVEMENT HALF SECTIONS AND CURB SECTIONS					
DEPARTMENT OF PUBLIC WORKS & TRANSPORTATION					
CITY OF DALLAS, TEXAS					
DESIGN	DRAWN	DATE	FILE	NO.	PAGE NO.
C.O.D.	A.B.&A.	APRIL 1991	251D	1	1006

THIS SPACE RESERVED - BLDG INSPECTION

THIS SPACE RESERVED - ENGINEERING

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

MJ THOMAS ENGINEERING, LLC
4700 BRYANT IRVIN CT, SUITE 204
FORT WORTH, TEXAS 76107
F-9435

PLAT NO.	BLDG PERMIT NO.	DEV ENGINEERING TRACKING NOS.	
XXXX-XXX	XXXXX	WW18-XXXX	XXXXX

SIDEWALK DETAILS

JAMES BOWIE PAVEMENT IMPROVEMENT
330 NORTH MARSALIS AVENUE
DEVELOPMENT SERVICES
CITY OF DALLAS, DALLAS COUNTY, TEXAS

REVIEW BY:	DRAWN BY:	DATE	FILE	NUMBER	SHEET
MAT	PME	NOVEMBER 13, 2024		DP24-XXX	C08.51

CONTRACT INFORMATION

CONTRACT NO. _____ DATE 05-10-2024
CONTRACTOR _____
CONTRACT NO. (IF APPLICABLE) _____ DATE _____
CONTRACTOR _____
CONTRACT NO. _____ DATE _____
(IF APPLICABLE) CONTRACTOR _____

COMM. NO. 1288
DATE 11/13/24
DRAWN DWH
CHECKED Checker

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY
ONE INCH
REVISIONS:

MICHAEL A. THOMAS
93640
LICENSED PROFESSIONAL ENGINEER
11/13/24

LBL ARCHITECTS
1136 W RANCH MILL ROAD
SUITE 130
ARLINGTON, TEXAS 76012
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FAX (817) 265-5592
WWW.LBLARCHITECTS.COM
TBAE FIRM # BR 1350

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT
JAMES BOWIE ELEMENTARY SCHOOL
330 NORTH MARSALIS AVE. DALLAS, TX 75203

MJ THOMAS ★ ENGINEERING, LLC ★
4700 BRYANT IRVIN CT, SUITE 204
FORT WORTH, TX 76107
REGISTRATION NO. F-9435
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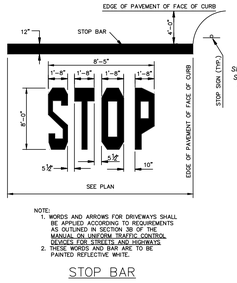
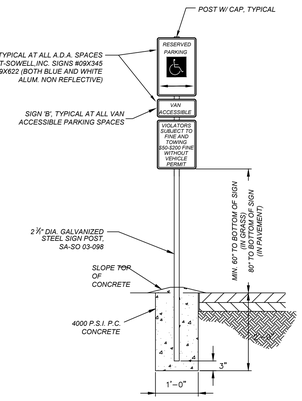
FAX - (817) 732-9841
MJT NO. - 677-025



NOTE:
1. WORDS AND ARROWS FOR DRIVEWAYS SHALL BE APPLIED ACCORDING TO REQUIREMENTS AS OUTLINED IN SECTION 3B OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS
2. THESE WORDS AND BAR ARE TO BE PAINTED REFLECTIVE WHITE.

STOP BAR

N.T.S.
12/17/04

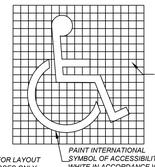


SIGNAGE DETAIL FOR ACCESSIBLE PARKING

NOT TO SCALE

COLORS:
LEGEND AND BORDER: GREEN
BACKGROUND: WHITE
SYMBOL: WHITE ON BLUE BACKGROUND

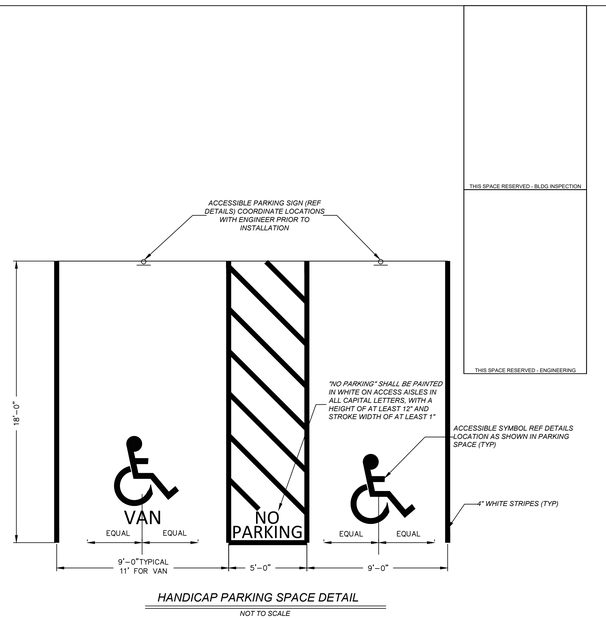
COLORS:
LEGEND AND BORDER: GREEN
BACKGROUND: WHITE



NOTE:
GRID FOR LAYOUT PURPOSES ONLY.

ACCESSIBLE SYMBOL DETAIL

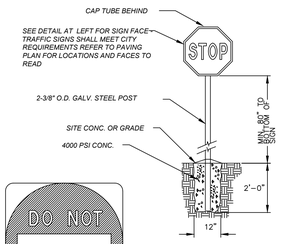
NOT TO SCALE



HANDICAP PARKING SPACE DETAIL

NOT TO SCALE

COLORS:
BORDER: WHITE
BACKGROUND: RED
TEXT: WHITE



COLORS:
BORDER: WHITE
BACKGROUND: BLACK
TEXT: WHITE

B

COLORS:
BORDER: WHITE
BACKGROUND: BLACK
TEXT: WHITE

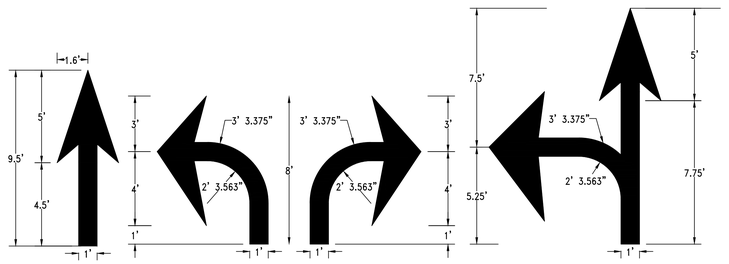
D

COLORS:
BORDER: WHITE
BACKGROUND: RED
TEXT: WHITE

C

ROAD SIGNS

NOT TO SCALE



NOTE: ALL TRAFFIC FLOW ARROWS TO BE REFLECTIVE YELLOW PAINT PER SPECS.

SMALLER SIZES MAY BE REDUCED BY APPROXIMATELY ONE-THIRD FOR LOW-SPEED URBAN CONDITIONS

TRAFFIC FLOW ARROW

N.T.S.

ALL STRIPING SHALL BE INSTALLED TO CURRENT TEXAS MUTCD STANDARDS AND SPECIFICATIONS

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

MJ THOMAS ENGINEERING, LLC
4700 BRYANT IRVIN CT, SUITE 204
FORT WORTH, TEXAS 76107
F-9435

PLAT NO.	BLDG PERMIT NO.	DEV ENGINEERING TRACKING NOS.	
XXXX-XXX	XXXXX	WW18-XXXX	XXXXX

CONTRACT INFORMATION

CONTRACT NO. _____ DATE 05-10-2024
CONTRACTOR _____
CONTRACT NO. (IF APPLICABLE) _____ DATE _____
CONTRACTOR _____
CONTRACT NO. (IF APPLICABLE) _____ DATE _____
CONTRACTOR _____

SIGNAGE & STRIPING DETAILS

JAMES BOWIE PAVEMENT IMPROVEMENT
330 NORTH MARSALIS AVENUE
DEVELOPMENT SERVICES
CITY OF DALLAS, DALLAS COUNTY, TEXAS

REVIEW BY:	DRAWN BY:	DATE	FILE	NUMBER	SHEET
MAT	PME	NOVEMBER 13, 2024		DP24-XXX	C08.52

COMM. NO. 1288
DATE 11/13/24
DRAWN DWH
CHECKED Checker

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

MICHAEL A. THOMAS
9364O
REGISTERED PROFESSIONAL ENGINEER
11/13/24

LBL ARCHITECTS
Listen. Build. Lead.
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FAX (817) 265-1582
WWW.LBLARCHITECTS.COM
TBAE EP0418 # BR 1330

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT
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330 NORTH MARSALIS AVE, DALLAS, TX 75203

MJ THOMAS ENGINEERING, LLC
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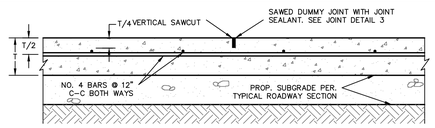
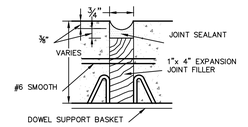
FORT WORTH, TX 76107
REGISTRATION NO. F-9435
PHONE - (817) 732-8839
FAX - (817) 732-8841
MJT NO. - 677-025



SAWED DUMMY JOINT

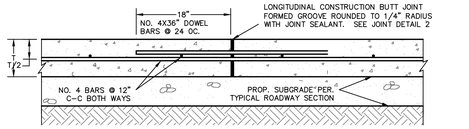
NOT TO SCALE



JOINT DETAIL NO. 1

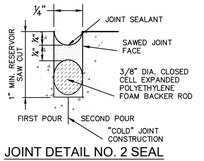
SEAL FOR DOWELED EXPANSION JOINT

NOT TO SCALE



TRANSVERSE OR LONGITUDINAL CONSTRUCTION BUTT JOINT

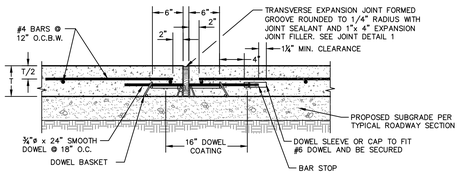
NOT TO SCALE



JOINT DETAIL NO. 2 SEAL

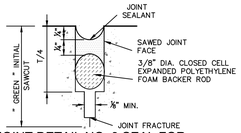
FOR LONGITUDINAL AND TRANSVERSE CONSTRUCTION BUTT JOINT

NOT TO SCALE



DOWELED EXPANSION JOINT

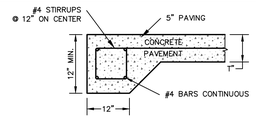
NOT TO SCALE



JOINT DETAIL NO. 3 SEAL FOR

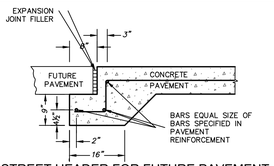
SAWED DUMMY JOINT

NOT TO SCALE



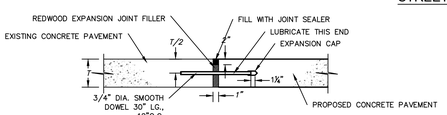
THICKENED EDGE DETAIL

NOT TO SCALE



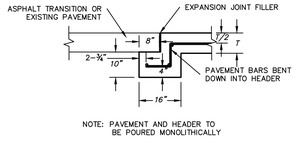
STREET HEADER FOR FUTURE PAVEMENT

NOT TO SCALE



TYPICAL TIE-IN TO EXISTING CONCRETE PAVEMENT DETAIL

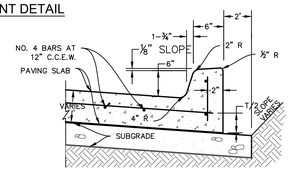
NOT TO SCALE



NOTE: PAVEMENT AND HEADER TO BE POURED MONOLITHICALLY

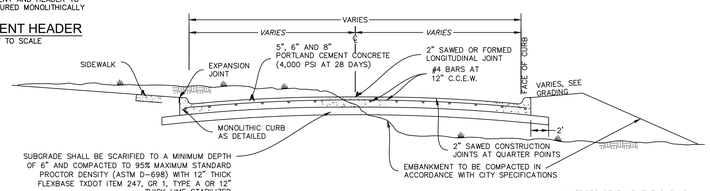
PAVEMENT HEADER

NOT TO SCALE



MONOLITHIC CURB

NOT TO SCALE



TYPICAL PAVEMENT SECTION

5", 6" AND 8" PORTLAND CEMENT CONCRETE

(WIDTH VARIES PER PLAN)

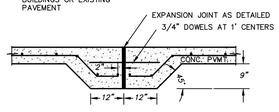
NOT TO SCALE

ALL EDGES OF PAVEMENT SHOULD BE THICKENED TO 7 INCHES (TRANSITIONING BACK TO 5.5 INCHES OVER A MINIMUM DISTANCE OF 4 FEET), SEE ACI 330R, TABLE 3.4. TREATING THE SUBGRADE TO A DEPTH OF 6 INCHES WITH LIME TO INCREASE THE ESTIMATE CBR CAN REDUCE THE MINIMUM PAVEMENT THICKNESS BY 0.5 INCH FOR THE GIVEN DESIGN

THIS SPACE RESERVED - BLDG INSPECTION

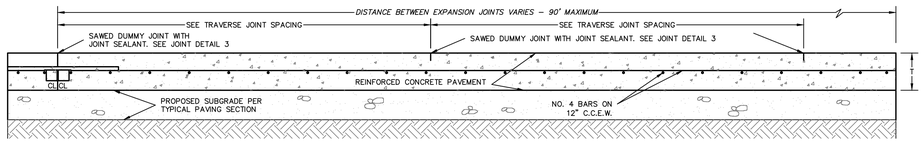
THIS SPACE RESERVED - ENGINEERING

NOTE:
CONCRETE HEADER SHALL BE USED WHEN PAVING AGAINST BUILDINGS OR EXISTING PAVEMENT



CONCRETE HEADER

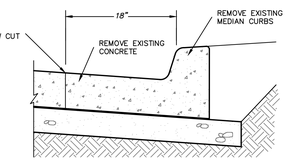
NOT TO SCALE



LONGITUDINAL PAVING SECTION

NOT TO SCALE

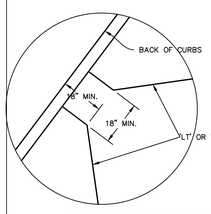
ALL SEALANT FOR PAVING AND SIDEWALKS SHALL BE SILICONE JOINT SEALANT (TYP.)



PAVEMENT CUT SECTION

NOT TO SCALE

MISCELLANEOUS CONCRETE ITEMS:
CONTRACTOR SHALL FILL-IN ALL HOLES, OPENINGS AND TRENCH REPAIR LEFT IN CONCRETE STRUCTURES OR PAVEMENT FOR PASSAGE OF WORK BY OTHER TRADES NOT SPECIFIED ON THE PLANS, AFTER WORK OF OTHER TRADES IS COMPLETED. MIX, PLACE, AND CURE CONCRETE AS HEREIN SPECIFIED, TO BLEND WITH IN-PLACE CONSTRUCTION. PROVIDE OTHER MISCELLANEOUS CONCRETE FILLING SHOWN OR REQUIRED AS INTERPRETED BY THE ENGINEER OR ARCHITECT TO COMPLETE THE WORK. COMPLETED WORK SHALL RESULT IN A FULLY FUNCTIONAL PROJECT WITH NO HOLES, OPENINGS OR GAPS IN PAVING/STRUCTURES.



TYPICAL JOINTING AT ALL ANGLE JOINT TERMINATIONS

NOT TO SCALE

PAVEMENT JOINTING NOTES:

1. SAW CUTTING SHALL BE DONE WITHIN 8 HOURS OF POUR OR AS SOON AS CONCRETE CAN SUPPORT WEIGHT, AND PROVIDE A NEAT CUT WHICH IS TRUE IN ALIGNMENT.
2. 'LT' JOINTS SHALL BE REQUIRED AT THE END OF A DAY'S WORK, UNLESS IT ENDS AT A 'DE', 'E', 'L', OR 'T' JOINT SHOWN ON THE PLANS.
3. ALL JOINTS ARE TO CONTINUE THROUGH THE CURB.
4. RADIAL JOINTS SHALL BE NO SHORTER THAN 18".
5. CONTRACTOR SHALL USE AN 'E' JOINT AROUND THE PERIMETER OF ANY BLOCKOUT IN THE CONCRETE PAVING.
6. ALL CONSTRUCTION JOINTS SHALL BE SAWED, CLEANED OF DEBRIS, BLOWN DRY AND IMMEDIATELY SEALED.
7. ODD SHAPED PANELS SHALL BE REINFORCED WITH #4 BARS AT 12" EACH WAY. AN ODD SHAPED PANEL IS CONSIDERED TO BE ONE IN WHICH THE SLAB TAPERS TO A SHARP ANGLE WHEN THE LENGTH TO WIDTH RATIO EXCEEDS 3 TO 1 OR WHEN A SLAB IS NEITHER SQUARE OR RECTANGULAR.

GENERAL NOTES

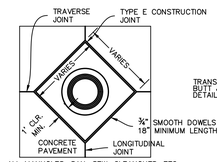
1. ON CONCRETE STREETS ALL INLETS SHALL BE SEPARATED FROM THE PAVEMENT AND CURB BY BOXING OUT AROUND INLET AS SHOWN. EXPANSION JOINT MATERIAL SHALL EXTEND COMPLETELY THROUGH CURB AND SLAB. MANHOLE CASTINGS WITHIN THE PAVEMENT LIMITS SHALL BE BOXED IN LIKE MANNER EXCEPT WHEN TELESCOPING-TYPE CASTINGS AND FIBERGLASS-TYPE ARE USED. WHEN A JOINT FALLS WITHIN 5' OF OR CONTACTS INLETS, MANHOLES OR OTHER STRUCTURES, SHORTEN ONE OR MORE PANELS EITHER SIDE OF OPENING TO PERMIT JOINT TO FALL ON ROUND STRUCTURES AND AT OR BETWEEN CORNERS OF RECTANGULAR STRUCTURES.
2. ALL REINFORCING STEEL SHALL BE DEFORMED BARS. REINFORCING STEEL SHALL BE PLACED WITH THE CENTER OF THE OUTSIDE LAYER OF BARS 2" FROM THE SURFACE OF THE CONCRETE.
3. WHERE REINFORCING BARS ARE SPLICED, A 40 DIAMETER LAP SHALL BE USED.
4. TYPE C TRANSVERSE CONTRACTION JOINTS SHALL BE ON 12' CENTERS.
5. ALL CONCRETE SHALL BE CLASS 'A' CONCRETE.
6. AN APPROVED WHITE PIGMENTED CURING COMPOUND SHALL BE APPLIED TO THE SURFACE OF THE CONCRETE AS SOON AS IT HAS BEEN POURED AND FINISHED.
7. DOWELS TO BE 12" O.C. WHEN POURED HALF STREET.
8. SUBGRADE STABILIZATION WILL DEPEND ON SOIL REPORT SUBMITTED TO CITY ENGINEER.
9. SEAL ALL VOIDS AND HONEYCOMBS AT ALL CURBS BEFORE PLACING BACKFILL.
10. NO SAND SHALL BE USED UNDER ANY PAVEMENT – NO EXCEPTIONS

NOTE:
SEE PAVING PLAN FOR PAVEMENT TYPE AND THICKNESS

NOTE:
AN APPROVED WHITE PIGMENTED CURING COMPOUND SHALL BE APPLIED TO THE SURFACE OF THE CURB AS SOON AS IT HAS BEEN POURED AND FINISHED.

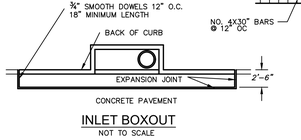
NOTE:
EXPANSION JOINTS SHALL BE CONSTRUCTED ON MAXIMUM OF 90' CENTERS. LOCATED AT ALL STRUCTURES, AT ALL INTERSECTION POINTS OF CURVATURE, AT ALL INTERSECTION POINTS OF TANGENCY, AND AT ALL REDUCTIONS OF PAVEMENT WIDTHS.

SAWED TRAVERSE CONTRACTION LONGITUDINAL JOINTS SHALL BE SPACED 12' IN PAVEMENT



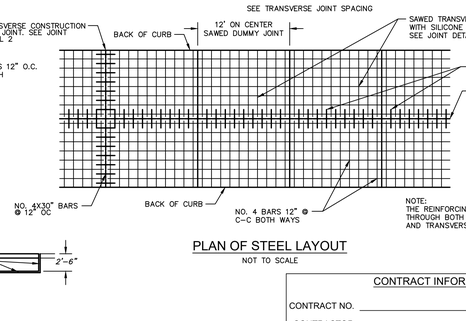
CONCRETE BLOCKOUT AT SITE STRUCTURES

NOT TO SCALE



INLET BOXOUT

NOT TO SCALE



NOTE:
THE REINFORCING STEEL WILL EXTEND THROUGH BOTH LONGITUDINAL DUMMY AND TRANSVERSE CONSTRUCTION JOINTS

PLAN OF STEEL LAYOUT

NOT TO SCALE

CONTRACT INFORMATION

CONTRACT NO. _____ DATE *05-10-2024*
CONTRACTOR _____
CONTRACT NO. _____ DATE _____
(IF APPLICABLE) CONTRACTOR _____
CONTRACT NO. _____ DATE _____
(IF APPLICABLE) CONTRACTOR _____

REVISIONS			
REV NO.	DATE	DESCRIPTION	BY

MJ THOMAS ENGINEERING, LLC
4700 BRYANT IRVIN CT, SUITE 204
FORT WORTH, TEXAS 76107
F-9435

PLAT NO.	BLDG PERMIT NO.	DEV ENGINEERING TRACKING NOS.	
XXXX-XXX	XXXXX	WW18-XXXX	XXXXX

PAVING DETAILS

JAMES BOWIE PAVEMENT IMPROVEMENT
330 NORTH MARSALIS AVENUE
DEVELOPMENT SERVICES
CITY OF DALLAS, DALLAS COUNTY, TEXAS

REVIEW BY:	DRAWN BY:	DATE	FILE	NUMBER	SHEET
MAT	PME	NOVEMBER 13, 2024		DP24-XXX	C08.53

COMM. NO. 1288
DATE 11/13/24
DRAWN DWH
CHECKED Checker

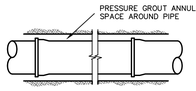
BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY
ONE INCH
REVISIONS:

MICHAEL A. THOMAS
93640
REGISTERED PROFESSIONAL ENGINEER
11/13/24

LBL ARCHITECTS
Listen. Build. Lead.
1136 W RANDOL MILL ROAD
SUITE 300
ARLINGTON, TEXAS 76012
PHONE (817) 265-5182
FAX (817) 265-5182
WWW.LBLARCHITECTS.COM
TBAE FIRM # BR 1350

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT
JAMES BOWIE ELEMENTARY SCHOOL
330 NORTH MARSALIS AVE. DALLAS, TX 75203

MJ THOMAS ENGINEERING, LLC
4700 BRYANT IRVIN CT, SUITE 204
FORT WORTH, TX 76107
REGISTRATION NO. F-9435
PHONE - (817) 732-6839
FAX - (817) 732-9841
MJT NO. - 677-025

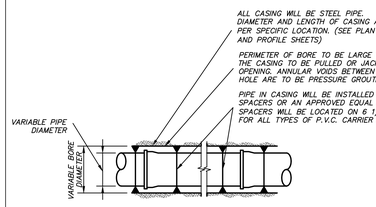


LONGITUDINAL VIEW - BORE WITH PIPE INSTALLED

NOTE:
1. BORINGS UNDER ROADWAYS SHALL CONFORM TO THE TEXAS STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION UTILITY ACCOMMODATION MANUAL.
2. SEE PLAN AND PROFILE FOR LIMITS OF BORE.
3. COMPRESSION TYPE JOINTS TO BE USED IF POSSIBLE.
4. IF COMPRESSION TYPE JOINT NOT USED THEN M.J. TYPE SHALL BE USED AND JOINTS BOLTED BEFORE PULLING PIPE INTO PLACE.

DETAILS FOR PIPE INSTALLATION BY BORING

NOT TO SCALE

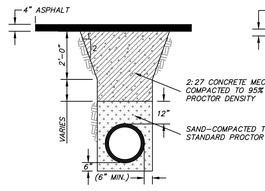


LONGITUDINAL VIEW - BORE WITH CASING AND PIPE INSTALLED

NOTE:
1. BORINGS UNDER ROADWAYS SHALL CONFORM TO THE TEXAS DEPT. OF TRANSPORTATION UTILITY ACCOMMODATION MANUAL.
2. SEE PLAN AND PROFILE FOR LIMITS OF BORE.
3. COMPRESSION TYPE JOINTS TO BE USED IF POSSIBLE.
4. IF COMPRESSION TYPE JOINT NOT USED THEN M.J. TYPE SHALL BE USED AND JOINTS BOLTED BEFORE PULLING PIPE INTO PLACE.

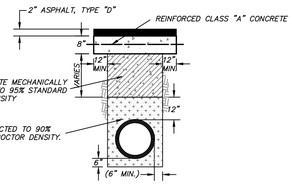
CASING AND CARRIER - BORING DETAILS

NOT TO SCALE



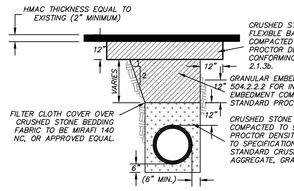
NOTE: PRIOR TO EXCAVATION WITHIN PAVEMENT THE CONTRACTOR WILL SAW CUT AN EVEN LINE TO INSURE A UNIFORM AND EVEN MATCH FOR PAVEMENT REPAIRS.

RESIDENTIAL STREET



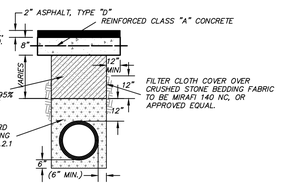
NOTE: PRIOR TO EXCAVATION WITHIN PAVEMENT THE CONTRACTOR WILL SAW CUT AN EVEN LINE TO INSURE A UNIFORM AND EVEN MATCH FOR PAVEMENT REPAIRS.

COLLECTOR STREET



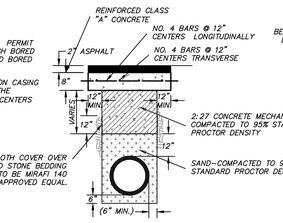
NOTE: PRIOR TO EXCAVATION WITHIN PAVEMENT THE CONTRACTOR WILL SAW CUT AN EVEN LINE TO INSURE A UNIFORM AND EVEN MATCH FOR PAVEMENT REPAIRS.

TYPE 1



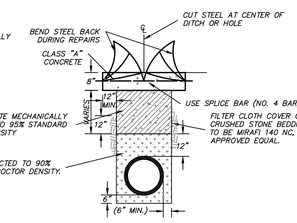
NOTE: PRIOR TO EXCAVATION WITHIN PAVEMENT THE CONTRACTOR WILL SAW CUT AN EVEN LINE TO INSURE A UNIFORM AND EVEN MATCH FOR PAVEMENT REPAIRS.

TYPE 2



NOTE: PRIOR TO EXCAVATION WITHIN PAVEMENT THE CONTRACTOR WILL SAW CUT AN EVEN LINE TO INSURE A UNIFORM AND EVEN MATCH FOR PAVEMENT REPAIRS.

MAJOR ARTERIALS AND THOROUGHFARES

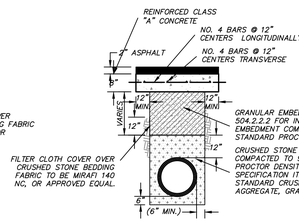


NOTE: PRIOR TO EXCAVATION WITHIN PAVEMENT THE CONTRACTOR WILL SAW CUT AN EVEN LINE TO INSURE A UNIFORM AND EVEN MATCH FOR PAVEMENT REPAIRS.

CONCRETE STREET

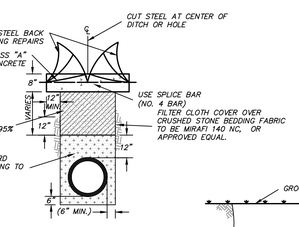
TYPICAL STREET-CUT BACKFILL FOR WATER PIPE INSTALLATION

NOT TO SCALE



NOTE: PRIOR TO EXCAVATION WITHIN PAVEMENT THE CONTRACTOR WILL SAW CUT AN EVEN LINE TO INSURE A UNIFORM AND EVEN MATCH FOR PAVEMENT REPAIRS. ALL EDGES MUST BE SQUARED OFF BEFORE REPAVING.

TYPE 3

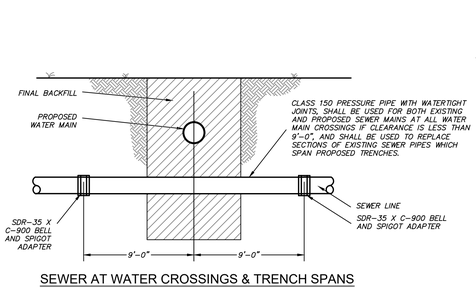


NOTE: PRIOR TO EXCAVATION WITHIN PAVEMENT THE CONTRACTOR WILL SAW CUT AN EVEN LINE TO INSURE A UNIFORM AND EVEN MATCH FOR PAVEMENT REPAIRS.

TYPE 4

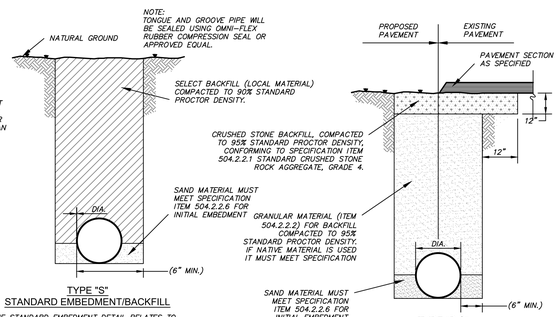
TYPICAL PAVEMENT REPAIR DETAILS FOR SEWER PIPE INSTALLATION

NOT TO SCALE



SEWER AT WATER CROSSINGS & TRENCH SPANS

NOT TO SCALE



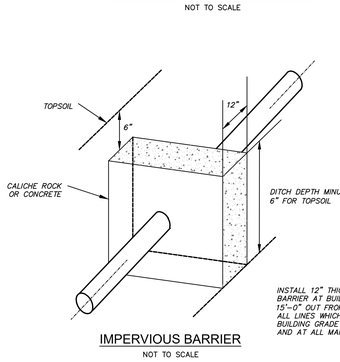
TYPE "S"
STANDARD EMBEDMENT/BACKFILL

THE STANDARD EMBEDMENT DETAIL RELATES TO INSTALLATIONS OUT FROM UNDER PAVEMENT OR ROADWAY BASE SUCH AS CROSS-COUNTRY EASEMENT PARKWAYS OR ANY LOCATIONS NOT SUBJECT TO PROPOSED STREET PAVEMENT.

TYPE "P-S"
STANDARD EMBEDMENT/BACKFILL
FOR EXISTING AND PROPOSED PAVEMENT

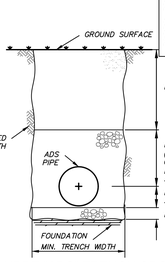
REINFORCED CONCRETE PIPE EMBEDMENT DETAILS

NOT TO SCALE



IMPERVIOUS BARRIER

NOT TO SCALE



TYPICAL HDPE "ADS" TRENCH CROSS-SECTION

NOT TO SCALE

NOTES:

1. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH A FOUNDATION OF CLASS I MATERIAL AS DEFINED IN ASTM D2321, "STANDARD PRACTICE FOR INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW APPLICATIONS," LATEST EDITION; AS AN ALTERNATIVE AND AT THE DISCRETION OF THE ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A WOVEN GEOTEXTILE FABRIC.
2. BEDDING: SUITABLE MATERIAL SHALL BE CLASS I ONLY AND INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.

   UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100-600mm) AND 42"-48"(1050-1200mm) CORRUGATED POLYETHYLENE PIPE (CPEP); 6" (150mm) FOR 30"-36" (750-900mm) CPEP.
3. HAUNCHING AND INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I ONLY AND INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
4. UNLESS OTHERWISE SPECIFIED BY THE ENGINEER, MINIMUM TRENCH WIDTHS SHALL BE AS FOLLOWS:

INITIAL BACKFILL, 6"-12" (150-300mm) ABOVE TOP OF PIPE. EMBEDMENT PER ITEM 504.2.2.1(a) GRADE 4 (NCTCOG)	NOMINAL ø IN (mm)	MIN. RECOMMENDED TRENCH WIDTH, in (mm)
	4 (100)	21 (530)
	6 (150)	23 (580)
HAUNCHING, TO SPRINGLINE OF PIPE	8 (200)	25 (630)
	10 (250)	28 (710)
	12 (300)	31 (790)
	15 (375)	34 (860)
	18 (450)	39 (990)
	24 (600)	48 (1220)
BEDDING MATERIAL	30 (750)	66 (1680)
	36 (900)	78 (1980)
	42 (1050)	83 (2110)
	48 (1200)	89 (2260)
	60 (1500)	102 (2590)

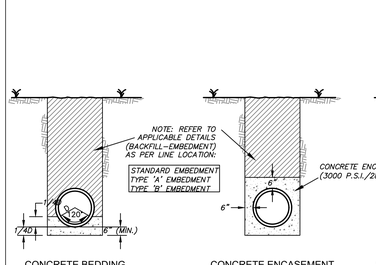
5. MINIMUM COVER: MINIMUM RECOMMENDED DEPTHS OF COVER FOR VARIOUS LIVE LOADING CONDITIONS ARE SUMMARIZED IN THE FOLLOWING TABLE. UNLESS OTHERWISE NOTED, ALL DIMENSIONS ARE TAKEN FROM THE TOP OF PIPE TO THE GROUND SURFACE.

SURFACE LIVE LOADING CONDITION	MINIMUM RECOMMENDED COVER, in (mm)*
H25 (FLEXIBLE PAVEMENT)	12 (300)
H25 (RIGID PAVEMENT)	12 (300)
E80 RAILWAY	24 (610)
HEAVY CONSTRUCTION	48 (1220)

*TOP OF PIPE TO BOTTOM OF BITUMINOUS PAVEMENT SECTION

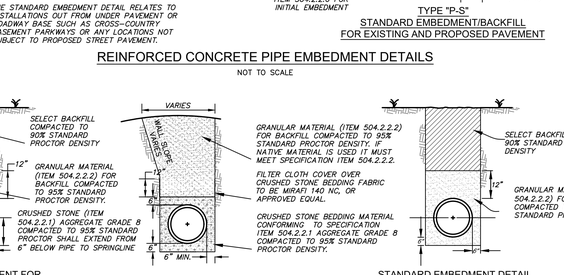
TRENCH INSTALLATION DETAIL

NOT TO SCALE



SEWER AT WATER CROSSINGS & TRENCH SPANS

NOT TO SCALE



TYPE "S"
STANDARD EMBEDMENT/BACKFILL

THE STANDARD EMBEDMENT DETAIL RELATES TO INSTALLATIONS OUT FROM UNDER PAVEMENT OR ROADWAY BASE SUCH AS CROSS-COUNTRY EASEMENT PARKWAYS OR ANY LOCATIONS NOT SUBJECT TO PROPOSED STREET PAVEMENT.

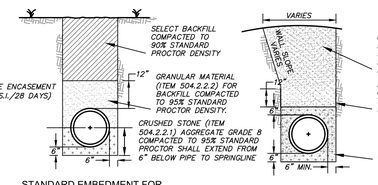
TYPE "P-S"
STANDARD EMBEDMENT/BACKFILL
FOR EXISTING AND PROPOSED PAVEMENT

REINFORCED CONCRETE PIPE EMBEDMENT DETAILS

NOT TO SCALE

CONCRETE BEDDING
WATER AND SEWER

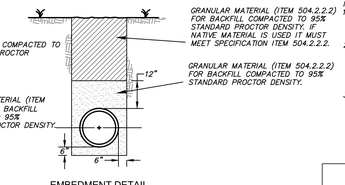
CONCRETE ENCASEMENT
WATER AND SEWER



STANDARD EMBEDMENT FOR
SEWER LINE NOT IN R.O.W.

EMBEDMENT WITHIN
RIGHT-OF-WAY SEWER LINE

STANDARD EMBEDMENT DETAIL
FOR WATER LINE NOT IN R.O.W.



EMBEDMENT DETAIL
WATER LINE

NOTES:
1. PIPE MAY NOT BE FILLED ABOVE SPRING LINE UNTIL LOWER PORTION IS COMPACTED TO 95% STANDARD PROCTOR DENSITY. EMBEDMENT BELOW PIPE SHALL BE COMPACTED BEFORE PIPE IS LAID. BELL SHALL BE DUG OUT.
2. TRENCHES SHALL BE TESTED AT THE RATE OF ONE TEST PER 300 LINEAR FEET PER 12 INCH LIFT (LOOSE). TESTS SHALL BE STAGGERED SO THAT TESTS OF ADJACENT LIFTS ARE NOT DIRECTLY OVER THAT OF THE PREVIOUS LIFT. IF THE DISTANCE BETWEEN MANHOLES EXCEEDS 300 FT., A MINIMUM OF TWO TESTS SHALL BE REQUIRED.
3. EMBEDMENT WITHIN RIGHT-OF-WAY WILL BE USED WHEN INSTALLING UTILITY LINES WITHIN STREET RIGHT-OF-WAYS, AND UNDER PAVEMENT, ALL OTHER INSTALLATION LOCATIONS, SUCH AS IN EASEMENTS OR CROSS COUNTRY LOCATIONS WILL COMPLY WITH STANDARD EMBEDMENT DETAILS.

EMBEDMENT DETAILS FOR P.V.C. PIPE

NOT TO SCALE

THIS SPACE RESERVED - BLDG INSPECTION

THIS SPACE RESERVED - ENGINEERING

504.2.2.1 CRUSHED STONE EMBEDMENT. THE AGGREGATES SHALL CONSIST OF DURABLE PARTICLES OF CRUSHED STONE, FREE FROM FROZEN MATERIAL OR INJURIOUS AMOUNTS OF SALT, ALKALI, ORGANIC MATTER OR OTHER MATERIAL EITHER FREE OR AS ADHERENT COATING, AND ITS QUALITY SHALL BE SUCH THAT IT WILL NOT DISINTEGRATE IN HANDLING, SPREADING, OR UNDER THE ACTION OF WATER. WHEN TESTED IN ACCORDANCE WITH TXDOT TEST METHOD TEX-410-A ABRASION OF COARSE AGGREGATE USING THE LOS ANGELES MACHINE.

504.2.2.2 GRANULAR MATERIAL. GRANULAR MATERIAL SHALL BE FREE FLOWING SUCH AS SAND OR HYDRAULICALLY GRADED CRUSHED STONE CONSISTING OF A SAND, GRAVEL OR SANDY LOAM. THE MATERIAL SHALL BE FREE FROM LUMPS OF CLAY, STONES OVER TWO INCHES IN DIAMETER, CLAY AND ORGANIC MATTER.

REVISIONS

REV NO.	DATE	DESCRIPTION	BY

MJ THOMAS ENGINEERING, LLC
4700 BRYANT IRVIN CT, SUITE 204
FORT WORTH, TEXAS 76107
F-9435

PLAT NO.	BLDG PERMIT NO.	DEV ENGINEERING TRACKING NOS.	
XXXX-XXX	XXXXX	WW18-XXXX	XXXXX

EMBEDMENT DETAILS

JAMES BOWIE PAVEMENT IMPROVEMENT
330 NORTH MARSALIS AVENUE
DEVELOPMENT SERVICES
CITY OF DALLAS, DALLAS COUNTY, TEXAS

REVIEW BY:	DRAWN BY:	DATE	FILE	NUMBER	SHEET
MAT	PME	NOVEMBER 13, 2024		DP24-XXX	C08.55

CONTRACT INFORMATION

CONTRACT NO. _____ DATE 05-10-2024
CONTRACTOR _____
CONTRACT NO. (IF APPLICABLE) _____ DATE _____
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CONTRACTOR _____

COMM. NO. 1288
DATE 11/13/24
DRAWN DWH
CHECKED Checker

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

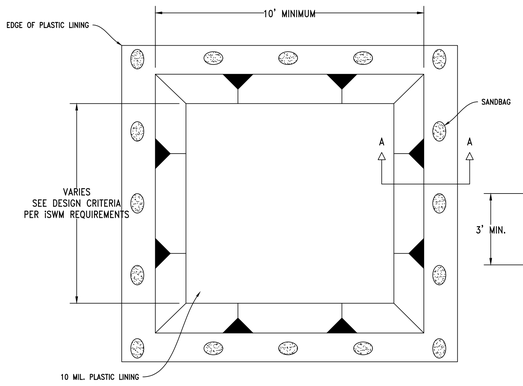
REVISIONS:

MICHAEL A. THOMAS
93640
LICENSED PROFESSIONAL ENGINEER
11/13/24

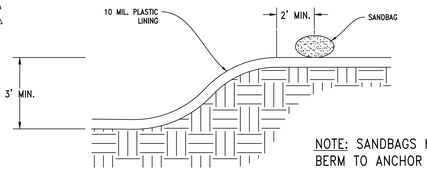
LBL ARCHITECTS
1750 W. BARDIN MILL ROAD
SUITE 300
ARLINGTON, TEXAS 76012
PHONE (817) 265-5444
FAX (817) 265-5182
WWW.LBLARCHITECTS.COM
TBAE FIRM # BR 3350

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT
JAMES BOWIE ELEMENTARY SCHOOL
330 NORTH MARSALIS AVE, DALLAS, TX 75203

MJ THOMAS ENGINEERING, LLC
4700 BRYANT IRVIN CT, SUITE 204
FORT WORTH, TX 76107
REGISTRATION NO. F-9435
PHONE - (817) 732-9839
FAX - (817) 732-9841
MJT NO. - 677-025

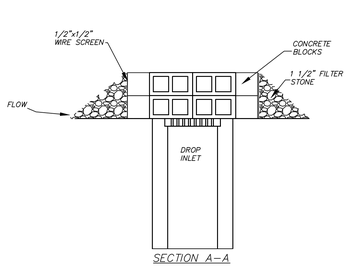


CONCRETE WASHOUT (PLAN VIEW)

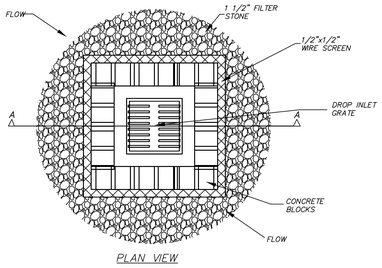


CONCRETE WASHOUT (SECTION A–A)

NOTE: SANDBAGS MAY BE REPLACED BY A SOIL BERM TO ANCHOR THE PLASTIC LINING.

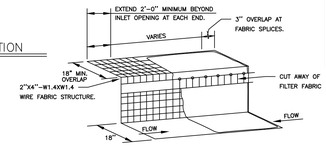


SECTION A–A



PLAN VIEW

BLOCK/GRAVEL DROP INLET PROTECTION
NOT TO SCALE



THIS SPACE RESERVED - BLDG INSPECTION

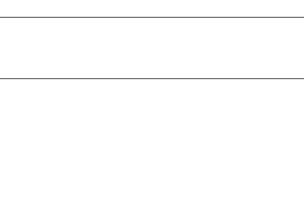
THIS SPACE RESERVED - ENGINEERING

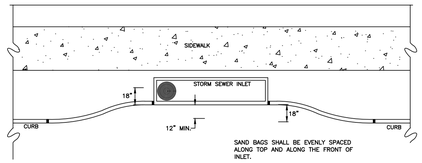
ISOMETRIC PLAN VIEW
N.T.S.

NOTE: STONE OVERFLOW STRUCTURES OF OTHER OUTLET CONTROL DEVICES SHALL BE INSTALLED AT ALL LOW POINTS ALONG THE FENCE OR EVERY 300 FEET IF THERE IS NO APPARENT LOW POINT

SILT FENCE
STONE OVERFLOW STRUCTURE
N.T.S.

SECTION A – A





SAND BAGS SHALL BE EVENLY SPACED ALONG TOP AND ALONG THE FRONT OF INLET.

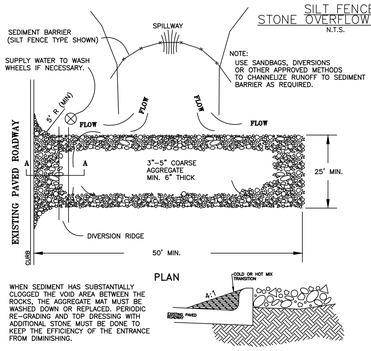
CURB INLET PROTECTION DETAIL
NOT TO SCALE

NOTES:
1. A SECTION OF FILTER FABRIC SHALL BE REMOVED AS SHOWN ON THIS DETAIL TO PROVIDE A 4" MINIMUM CLEAR OPENING. FABRIC MUST BE SECURED TO WIRE BACKING WITH CLIPS OR HOG RINGS AT THIS LOCATION.
2. INSPECTION SHALL BE MADE BY THE CONTRACTOR AND SILT ACCUMULATION MUST BE REMOVED WHEN DEPTH REACHES 2".
3. CONTRACTOR SHALL MONITOR THE PERFORMANCE OF INLET PROTECTION DURING EACH RAINFALL EVENT AND IMMEDIATELY REMOVE THE INLET PROTECTIONS IF THE STORM-WATER BEGINS TO OVERTOP THE CURB.
4. INLET PROTECTIONS SHALL BE REMOVED AS SOON AS THE SOURCE OF SEDIMENT IS STABILIZED.

INLET OPENING	MINIMUM NUMBER OF SAND BAGS	
	TOP	FRONT
5'	2	3
10'	3	3
15'	3	4
20'	4	4

SILT FENCE GENERAL NOTES

1. STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
2. THE TOE OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWNSLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (e.g. PAVEMENT), WEIGHT FABRIC FLAP WITH ROCK ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
3. THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACKFILLED WITH COMPACTED MATERIAL.
4. SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IN TURN IS ATTACHED TO THE STEEL FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
5. INSPECTION SHALL BE MADE EVERY TWO WEEKS AND AFTER EACH 1/2" RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
6. SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.



PLAN

WHEN SEDIMENT HAS SUBSTANTIALLY CLOGGED THE VOID AREA BETWEEN THE ROCKS, THE AGGREGATE MAT MUST BE WASHED DOWN OR REPLACED. PERIODIC RE-GRADING AND TOP DRESSING WITH ADDITIONAL STONE MUST BE DONE TO KEEP THE EFFICIENCY OF THE ENTRANCE FROM DIMINISHING.

TRANSITION

TEMPORARY STONE CONSTRUCTION ENTRANCE/EXIT
N.T.S.

MINIMUM CONSTRUCTION EXIT/ENTRANCE DIMENSIONS

DISTURBED AREA	MIN. WIDTH OF EXIT	MIN. LENGTH OF EXIT
<1 ACRE	15 FEET	20 FEET
≥1 ACRE BUT <5 ACRES	25 FEET	50 FEET
≥5 ACRES	30 FEET	50 FEET

ESTABLISHMENT OF GROUND COVER

1. All areas of the site including any off-site area that is disturbed by construction activities, shall recieve at a minimum, hydromulch and 4" of top-soil. Refer to Landscape, Demolition, Grading, Paving, Drainage, Water, Sewer, Irrigation and Sediment Control Plans to determine all limits of disturbance. Contractor shall provide sod as required elsewhere in the plans.
2. Supply the seeded areas with adequate moisture (4" penetration) at ten (10) day intervals, if needed, for seed germination and plant growth until acceptance by the Owner. Water the seed in a manner which will prevent erosion of the soil. Furnish all water to be used. Repair washouts and other bare soil areas in a seeded area either by re-seeding, sprigging, or spot-sodding, and perform maintenance as needed to establish grass in the area. Control competitive weed growth during the establishment period with herbicides. Chemical usage shall be in accordance with the current recommendations of the Texas Agricultural Experiment Station or local Soil Conservation Service Field Office Technical Guides. Strictly adhere to all Federal, State, and local laws governing herbicides. Weed control shall be the Contractor's responsibility whether topsoil is from on-site or off-site sources and also for seeded areas which are specified not to receive topsoil.
3. Any areas which are disturbed by the Contractor which are not shown on the drawings or specified to require disturbance including any approved areas not shown on the drawings, shall be considered as unauthorized disturbed areas. Any such areas shall be seeded as specified in this section at the Contractor's expense and no separate pay.
4. Eighty percent (80%) evenly distributed ground cover, without large bare areas, shall be established after the designated areas have been completed to the lines, grades and cross sections shown on the plans and prior to final acceptance by the City Engineer.
5. Ground cover shall be established as per North Central Texas Council of Governments (N.C.T.C.O.G.) "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" 202.6 Seeding Turfgrass. Copies may be obtained from the "NORTH CENTRAL COUNCIL OF GOVERNMENTS", PO Drawer 5888, Arlington, Texas, 76005-5888, Phone (817) 640-3300, also available at www.publicworks.dfwinfo.com. A copy of the contract documents, plans and specifications shall be available on-site at all times by the Contractor.
6. Prior to planting, contractor shall provide the City Engineer, or his designee, with the State of Texas Certificate stating analysis of purity and germination of seed.
7. Planting season and application rates. All planting shall be done between the dates specified in Table 1, for each grass type except when specifically authorized in writing. The seeds planted per acre shall be of a type specified with the mixture, rate and planting dates as shown in the Table 1, or as specified by the Engineer.

Table 1. Seeding Turfgrass

TYPE	PLANTING SEASON	SEED AND RATE
TYPE I	MARCH THROUGH SEPTEMBER	BERMUDA GRASS, HULLED 50-LB (22.7-KG) PLS[1] PER ACRE
TYPE II	OCTOBER THROUGH FEBRUARY	RYE GRASS, 100-LB (45.4-KG) PLS PER ACRE COMBINED WITH BERMUDA GRASS, HULLED 20-LB (9.1-KG) PLS[1] PER ACRE.
OTHER	AS SPECIFIED ON PLANS	AS SPECIFIED ON PLANS

[1] PLS – Pure Live Seed is determined by multiplying the gross weight times purity times the germination (For example, a 100-lb bag with 85% purity and 80% germination. (PLS=pounds in bag x Purity x germination) 100 x 0.85 x 0.8 = 60.8 =lbs of pure live seed.)

8. Seeded areas shall be maintained, including watering and mowing, at such time and in a manner and quality to establish a minimum 80% evenly distributed ground cover, without large bare areas, until completion and final acceptance of the project by the City Engineer.

CONTRACT INFORMATION

CONTRACT NO. _____ DATE 05-10-2024
CONTRACTOR _____
CONTRACT NO. (IF APPLICABLE) _____ DATE _____
CONTRACTOR _____
CONTRACT NO. (IF APPLICABLE) _____ DATE _____
CONTRACTOR _____

REVISIONS

REV NO.	DATE	DESCRIPTION	BY

MJ THOMAS ENGINEERING, LLC
4700 BRYANT IRVIN CT, SUITE 204
FORT WORTH, TEXAS 76107
F-9435

PLAT NO.	BLDG PERMIT NO.	DEV ENGINEERING TRACKING NOS.	
XXXX-XXX	XXXXX	WW18-XXXX	XXXXX

SEDIMENT CONTROL DETAILS
JAMES BOWIE PAVEMENT IMPROVEMENT
330 NORTH MARSALIS AVENUE
DEVELOPMENT SERVICES
CITY OF DALLAS, DALLAS COUNTY, TEXAS

REVIEW BY:	DRAWN BY:	DATE	FILE	NUMBER	SHEET
MAT	PME	NOVEMBER 13, 2024		DP24-XXX	C08.56

COMM. NO. 1288
DATE 11/13/24
DRAWN DWH
CHECKED Checker

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ONE INCH
REVISIONS:

STATE OF TEXAS
MICHAEL A. THOMAS
93640
REGISTERED PROFESSIONAL ENGINEER
11/13/24

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JAMES BOWIE ELEMENTARY SCHOOL
330 NORTH MARSALIS AVE, DALLAS, TX 75203

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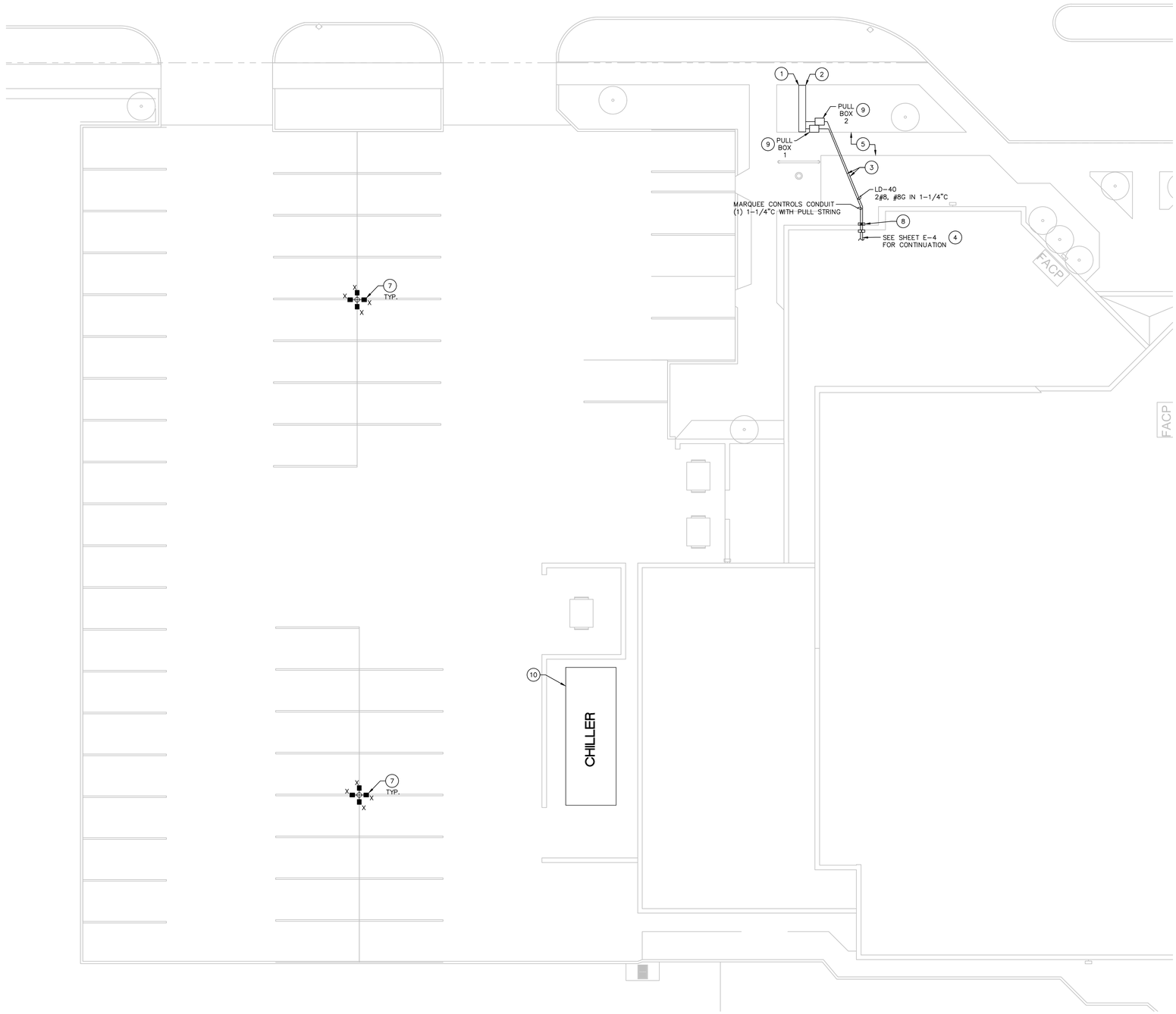
MJT NO. - 677-025



GENERAL NOTES

1. VERIFY EXACT LOCATION OF ALL EXISTING UTILITIES, IRRIGATION PIPING, IRRIGATION WIRING, TELEPHONE, GAS, NETWORK FIBER OPTIC, CONDUITS, ETC. PRIOR TO BID. EXISTING UTILITIES ARE NOT SHOWN. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL EXISTING UTILITIES WITHIN THE AREA OF CONSTRUCTION.
2. EXISTING UTILITY DATA IS PROVIDED FOR INFORMATION ONLY. ALL UTILITIES ARE NOT SHOWN. THE ENGINEER NEITHER ASSUMES NOR IMPLIES ANY RESPONSIBILITY FOR THE ACCURACY OF OR LACK OF THIS DATA. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE AND VERIFY THE EXACT LOCATION AND DEPTH OF ALL EXISTING UTILITIES PRIOR TO PROCEEDING WITH CONSTRUCTION. VERIFY EXISTING UTILITIES, UNDERGROUND PIPING, TELEPHONE, GAS, NETWORK, FIBER OPTIC, ETC. PRIOR TO BID. CALL 811 PRIOR TO EXCAVATION.
3. ALL CONDUITS SHALL BE CONCEALED UNLESS SPECIFICALLY NOTED OTHERWISE TO BE EXPOSED.
4. SUBMIT SHOP DRAWING FOR ROUTING OF ALL CONDUITS FOR ENGINEER APPROVAL PRIOR TO STAKING AND TRENCHING.
5. ALL CONDUITS SHALL BE MINIMUM OF 30" deep. DEPTHS SHALL BE INCREASED AS NECESSARY TO COORDINATE WITH OTHER WORK AND AS REQUIRED BY UTILITY COMPANIES TO MAINTAIN SEPARATION AND COVER.
6. REROUTE, EXTEND AND REPLACE EXISTING UNDERGROUND CONDUITS AND CONDUCTORS AS NECESSARY TO FACILITATE CONSTRUCTION.
7. COORDINATE AND SCHEDULE ANY ELECTRICAL SERVICE INTERRUPTIONS WITH OWNER AND POWER COMPANY.
8. THE OWNER RESERVES THE RIGHT TO RETAIN OWNERSHIP OF CERTAIN ITEMS REMOVED DURING DEMOLITION. ALL ITEMS NOT RETAINED BY OWNER SHALL BE BECOME THE PROPERTY OF THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL FROM THE SITE.
9. CONTRACTOR SHALL VERIFY ALL EXISTING CIRCUIT VOLTAGES PRIOR TO BID.
10. REPLACE EXISTING EXTERIOR LIGHTING CONTROL SYSTEM WITH NEW TIMECLOCK, PHOTOCELL (ON ROOF FACING NORTH), HOA SWITCHES, AND CONTACTORS AS SCHEDULED IN EXTERIOR LIGHTING CONTROL SCHEDULE.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR MOVING ANY EXISTING EQUIPMENT, APPLIANCES, OR FURNITURE AS REQUIRED TO PERFORM ALL WORK IN THEIR SCOPE. EXISTING ITEMS SHALL BE PROTECTED AND SECURED BY CONTRACTOR TO PREVENT DAMAGE OR THEFT DURING CONSTRUCTION. IF DAMAGE OR THEFT OCCURS DURING CONSTRUCTION CONTRACTOR SHALL REPLACE ITEMS AS REQUIRED.
12. SAW CUT, PATCH AND REPAIR SIDEWALKS, PARKING LOT AND DRIVEWAY AS REQUIRED TO INSTALL POWER AND CONTROL/DATA CONDUITS FROM MARQUEE SIGN UNLESS OTHERWISE NOTED.

NOTES BY SYMBOL

(1) EXISTING LIGHTED MARQUEE SHALL BE REMOVED. REUSE EXISTING CIRCUIT TO SERVE NEW LED MARQUEE SIGN IF POSSIBLE. CONTRACTOR SHALL VERIFY EXISTING VOLTAGE, CIRCUIT, CIRCUIT BREAKER, CONDUIT, ETC. TO ASCERTAIN IF EXISTING CIRCUIT CAN BE UTILIZED TO SERVE NEW MARQUEE SIGN. CONTRACTOR SHALL VERIFY EXISTING LIGHTED MARQUEE SIGN CONTROLS. EXISTING CONTROLS SHALL BE MODIFIED OR EXTENDED TO NEW LED MARQUEE SIGN LOCATION.

(2) NEW LED MARQUEE SIGN WITH (2) DIGITAL DISPLAYS. REUSE EXISTING LIGHTED MARQUEE CIRCUIT IF POSSIBLE. IF EXISTING CIRCUIT CANNOT BE UTILIZED TO SERVE NEW LED MARQUEE SIGN, CONTRACTOR SHALL PROVIDE NEW CIRCUIT TO SERVE NEW LED SIGN. PROVIDE (1) 1-1/4" CONDUIT FOR POWER AND PROVIDE (1) 1-1/4" CONDUIT FOR CONTROLS. PROVIDE NEW 1P-20A CIRCUIT BREAKER IN PANEL LD TO SERVE NEW LED MARQUEE SIGN. (IF NECESSARY.)

(3) IF NECESSARY, ROUTE (2) 1-1/4" CONDUITS (1 FOR POWER AND 1) FOR CONTROLS) UNDERGROUND FROM NEW LED MARQUEE SIGN LOCATION TO SIDE OF BUILDING AND TRANSITION UP SIDE OF WALL TO SECOND FLOOR AND PENETRATE EXTERIOR WALL OF BUILDING ABOVE THE 1ST FLOOR ACCESSIBLE CEILING. SUBMIT SHOP DRAWING OF ROUTING FOR APPROVAL. WATERTIGHT SEAL ALL WALL PENETRATIONS. PROVIDE OUTDOOR ELECTRICAL IN-GRADE PULL BOXES AS REQUIRED BY CODE. REFER TO DETAIL ON SHEET E-4. (SEE NOTE BY SYMBOL 9.)

(4) IF NECESSARY, ROUTE POWER CONDUIT AS HIGH AS POSSIBLE ABOVE ACCESSIBLE CEILING TO ELECTRICAL PANEL LE LOCATED IN 1ST FLOOR ELECTRICAL ROOM 137. ROUTE CONTROLS CONDUIT AS HIGH AS POSSIBLE ABOVE ACCESSIBLE CEILING TO ADMINISTRATION OFFICE ROOM 100. TERMINATE EMPTY CONDUIT WITH PULL STRING IN J-BOX AT LOCATION AS DIRECTED BY ARCHITECT/DISD STAFF FOR MARQUEE CONTROLLER. SUBMIT SHOP DRAWING OF ROUTING FOR APPROVAL. REFER TO SHEET E-4 FOR ADDITIONAL INFORMATION.

(5) IF NECESSARY, BORE UNDER SIDEWALK.

(6) NOT USED

(7) EXISTING LIGHTING POLE/FIXTURE SHALL BE RETROFITTED WITH NEW LED FIXTURES TYPE "X".

(8) IF NECESSARY, INSTALL A NEMA 3R 6"x8"x6" PULL BOX FOR POWER AND A NEMA 3R 6"x8"x6" PULL BOX FOR CONTROLS/DATA MOUNTED ON EXTERIOR WALL. 1-1/4" CONDUITS SHALL BE ROUTED FROM UNDERGROUND UP ALONG OUTSIDE WALL TO POWER PULL BOX AND CONTROLS/DATA PULL BOX. PULL BOXES SHALL BE MOUNTED AT HEIGHT WHERE BOX SHALL BE ABOVE THE INTERIOR CEILING. ROUTE CONDUITS FROM PULL BOX ABOVE INTERIOR CEILING AS HIGH AS POSSIBLE. POWER CONDUIT SHALL BE ROUTED TO POWER PANEL 'LD' LOCATED IN ROOM 137. CONTROLS/DATA CONDUIT SHALL BE ROUTED TO AREA DESIGNATED BY ARCHITECT/OWNER. SUBMIT SHOP DRAWINGS OF ROUTING FOR APPROVAL.

(9) IF NECESSARY, INSTALL IN-GRADE PULL BOXES TO FACILITATE CONTROL AND POWER CONDUIT AND CABLE/CONDUCTOR INSTALLATIONS TO BASE OF MARQUEE SIGN.

(10) REUSE ELECTRICAL FOR EXISTING CHILLER BEING REPLACED. (IF POSSIBLE). REWORK OR EXTEND CONDUIT AND CONDUCTORS AS REQUIRED. INSTALL SAFETY DISCONNECT SWITCH PER NEC AT CHILLER (OR INSTALL VFD IF PROVIDED BY MECHANICAL). REPLACE CIRCUITS AS NECESSARY IF CONDITION IS UNSUITABLE FOR REUSE.

N 1 PARTIAL SITE PLAN - MARQUEE SIGN - PARKING LOT - ELECTRICAL

SCALE: 1"=10'-0" (0 to 20)

COMM. NO.	1288
DATE	11/11/24
DRAWN	RLT
CHECKED	RTY

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

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CONSULTING • ENGINEERS
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ARLINGTON, TEXAS 76017 817-483-2373
TEXAS REGISTRATION #F-3622
YE PROJECT 2345.00

STATE OF TEXAS
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57030
REGISTERED PROFESSIONAL ENGINEER
11/11/2024

100% CD ISSUED FOR BID 11/11/2024

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DALLAS INDEPENDENT SCHOOL DISTRICT

DISD JAMES BOWIE ELEMENTARY SCHOOL RENOVATION

330 NORTH MARSALIS AVE. DALLAS, TX 75203

PARTIAL SITE PLAN - MARQUEE SIGN - PARKING LOT - ELECTRICAL

E-1

GENERAL NOTES

1. REPLACE ALL LIGHT FIXTURES AND ASSOCIATED CONTROLS UNLESS NOTED OTHERWISE. EXISTING LIGHTING CIRCUITS SHALL BE REUSED FOR NEW LIGHTING. REPLACE CIRCUITS AS NECESSARY IF CONDITION IS UNSUITABLE FOR REUSE. MODIFY/EXTEND EXISTING LIGHTING CIRCUITS AS REQUIRED TO FACILITATE NEW CONSTRUCTION. REUSE OF EXISTING CONDUITS IS ACCEPTABLE.
2. ALL SWITCHES AND LIGHTING CONTROL STATIONS SHALL BE MOUNTED PER ADA AND TAS REQUIREMENTS.
3. REFER TO LIGHTING CONTROL SCHEDULE.
4. ALL ROOM CONTROLLERS SHALL BE MOUNTED ABOVE ACCESSIBLE CEILING EXCEPT MOUNT AT ROOF STRUCTURE FOR AREAS WITHOUT CEILINGS.
5. PROVIDE ADDITIONAL ROOM CONTROLLERS AS REQUIRED TO FACILITATE FIXTURE CONTROL AS NOTED.
6. REPLACE ALL LIGHTING CONTROL STATIONS WITH NEW DEVICES AND COVER PLATES.
7. CONNECT EMERGENCY LIGHTING ("BUG-EYES") AND EXIT LIGHTING TO NEAREST LIGHTING CIRCUIT (CONTRACTOR TO VERIFY COMPATIBLE VOLTAGE). EXIT LIGHTING SHALL BE CONNECTED AHEAD OF EXISTING LIGHTING CONTROLS TO REMAIN ALWAYS ON.
8. VERIFY EXACT MOUNTING HEIGHT AND LOCATION OF EXIT AND EMERGENCY LIGHTING FIXTURES ("BUG-EYES") WITH ARCHITECT PRIOR TO ROUGH-IN. MOUNTED TO CEILING IS PREFERABLE.
9. CONDUIT SHALL NOT EXCEED A TOTAL OF 270 DEGREE BENDS BETWEEN BOXES. REFER TO SPECIFICATIONS FOR ADDITIONAL RESTRICTIONS.
10. ALL CONDUITS SHALL BE CONCEALED UNLESS SPECIFICALLY NOTED OTHERWISE TO BE EXPOSED.
11. REFER TO ARCHITECTURAL AND MECHANICAL/PLUMBING SHEETS FOR ADDITIONAL ELECTRICAL INFORMATION.
12. COORDINATE AND SCHEDULE ANY ELECTRICAL SERVICE INTERRUPTIONS WITH OWNER AND POWER COMPANY.
13. THE OWNER RESERVES THE RIGHT TO RETAIN OWNERSHIP OF CERTAIN ITEMS REMOVED DURING DEMOLITION. ALL ITEMS NOT RETAINED BY OWNER SHALL BE BECOME THE PROPERTY OF THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL FROM THE SITE.
14. CONTRACTOR SHALL VERIFY ALL EXISTING CIRCUIT VOLTAGES PRIOR TO BID.
15. REPLACE EXISTING FIXTURE WITH TYPE SHOWN. REFER TO LIGHT FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.
16. CONFIRM ALL CEILING AND WALL DEVICE LOCATIONS PRIOR TO ANY WORK. INFORMATION SHOWN ON DRAWINGS WAS TAKEN IN PART FROM SITE INVESTIGATIONS AND IS PROVIDED AS AN AID TO THE CONTRACTORS IN ASCERTAINING THE SCOPE OF WORK. NEITHER THE OWNER, ARCHITECT NOR ENGINEER SHALL BE RESPONSIBLE FOR ANY OMISSIONS OR DISCREPANCIES BETWEEN THESE DRAWINGS AND ACTUAL CONDITIONS. THE CONTRACTOR SHALL VERIFY EXACT QUANTITIES AND CONDITIONS AT THE JOBSITE PRIOR TO BID.
17. CEILING GRID AND ASSOCIATED CEILING TILE SHALL REMAIN IN CLASSROOMS AND ALL OTHER ROOMS NOT CONSIDERED PART OF MAIN HALLWAYS AND CORRIDORS THROUGHOUT THE PROJECT. CEILING GRID WILL BE REPLACED IN MAIN HALLWAYS AND CORRIDORS. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO CEILING GRID SYSTEM AT NO COST TO OWNER. IF CEILING GRID SYSTEM DAMAGE IS PRE-EXISTING IT SHALL BE NOTED, AND RECORDED WITH ARCHITECT/OWNER PRIOR TO ANY WORK.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR MOVING ANY EXISTING EQUIPMENT, APPLIANCES, OR FURNITURE AS REQUIRED TO PERFORM ALL WORK IN THEIR SCOPE. EXISTING ITEMS SHALL BE PROTECTED AND SECURED BY CONTRACTOR TO PREVENT DAMAGE OR THEFT DURING CONSTRUCTION. IF DAMAGE OR THEFT OCCURS DURING CONSTRUCTION CONTRACTOR SHALL REPLACE ITEMS AS REQUIRED.
19. SECURITY CAMERAS AND CARD ACCESS DEVICES AND WIRING SHALL BE INSTALLED BY DISD. CONTRACTOR SHALL INSTALL BACK BOX AND CONDUIT AS SHOWN ON T-SHEETS. ROUTE 1" CONDUIT FROM BACK BOXES LOCATED IN WALLS TO ABOVE THE NEAREST ACCESSIBLE CEILING. COORDINATE WITH AECOM PROJECT MANAGER ALL CARD ACCESS AND SECURITY CAMERA LOCATIONS PRIOR TO ROUGH-IN.
20. ANY MOVING OF FURNITURE REQUIRED TO PERFORM DEMOLITION OR NEW CONSTRUCTION WITHIN THE SCOPE OF THESE DRAWINGS AND SPECIFICATIONS SHALL BE DONE BY CONTRACTOR. OWNER WILL NOT MOVE ANY ITEMS FOR THE CONTRACTOR. CONTRACTOR SHALL REPLACE ANY ITEMS THAT ARE DAMAGED DURING DEMOLITION AND CONSTRUCTION WORK AT NO ADDITIONAL COST TO THE OWNER.
21. INSTALL NEW LED LIGHT FIXTURES PER FIXTURE SCHEDULE AND nLIGHT LIGHTING CONTROLS PER D.I.S.D. STANDARDS. SEE LIGHTING CONTROL AND FIXTURE SCHEDULES.

N 1 FIRST LEVEL FLOOR PLAN - LIGHTING - ELECTRICAL
SCALE: 1"=10'-0" 0 20

COMM. NO.	1288
DATE	11/11/24
DRAWN	RLT
CHECKED	RTY

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ONE INCH
REVISIONS:

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TEXAS REGISTRATION #F-3622
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STATE OF TEXAS
R. TIM YAGGI
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REGISTERED PROFESSIONAL ENGINEER
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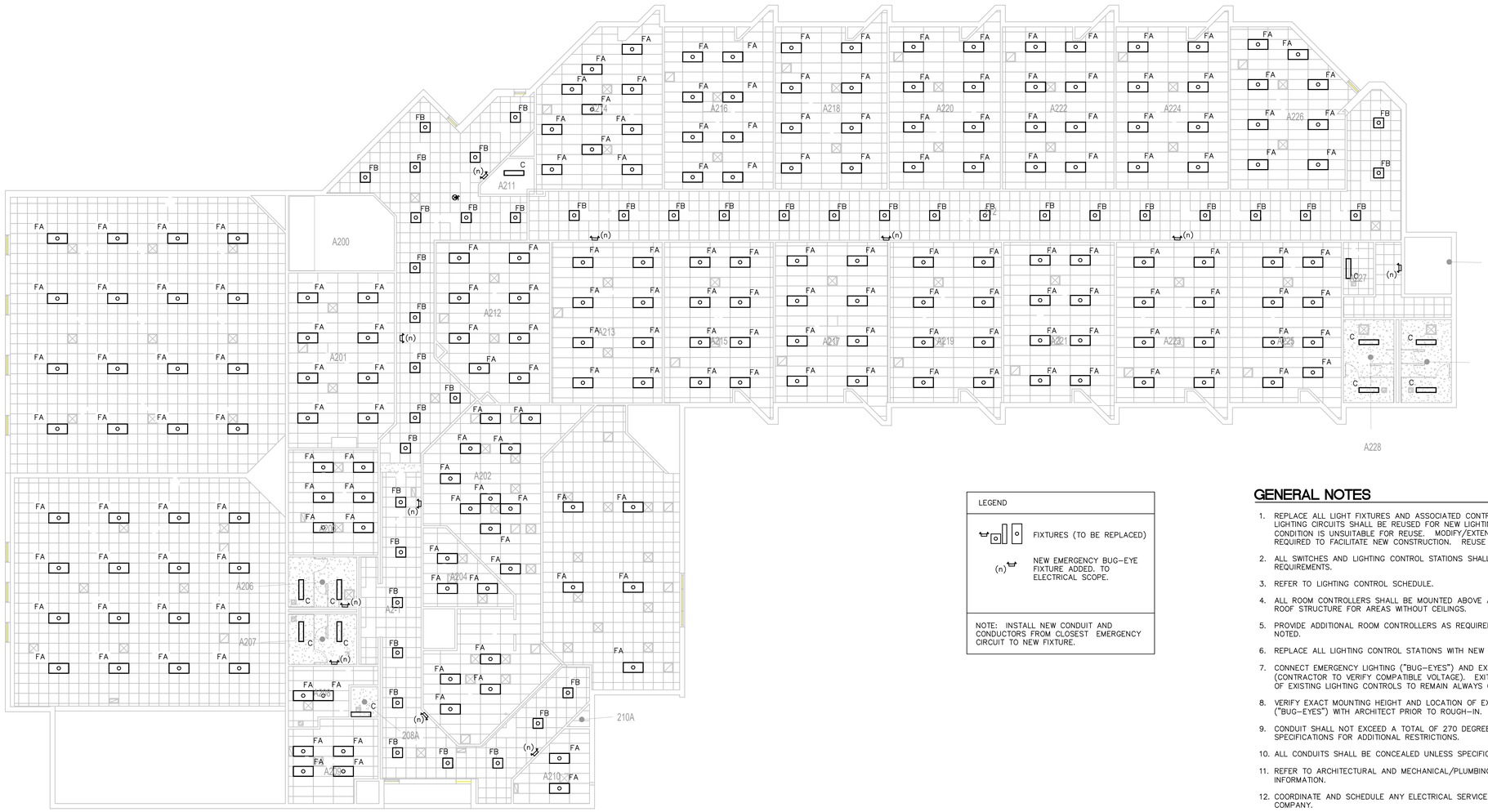
FIRST LEVEL FLOOR PLAN - LIGHTING - ELECTRICAL

E-2



LEGEND

FIXTURES (TO BE REPLACED)

(n) NEW EMERGENCY BUG–EYE FIXTURE ADDED. TO ELECTRICAL SCOPE.

NOTE: INSTALL NEW CONDUIT AND CONDUCTORS FROM CLOSEST EMERGENCY CIRCUIT TO NEW FIXTURE.

CONTRACTOR MUST TEST PA, FIRE ALARM, IT, SECURITY AND OTHER RELEVANT SYSTEMS PRIOR TO ANY DEMOLITION WORK. IF ANY OF THE SYSTEMS ARE FOUND TO BE NOT OPERATIONAL, CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER. ANY SYSTEM FOUND TO BE NOT OPERATIONAL AFTER THE START OF THE DEMOLITION WORK WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT NO ADDITIONAL COST TO DISD.

GENERAL NOTES

1. REPLACE ALL LIGHT FIXTURES AND ASSOCIATED CONTROLS UNLESS NOTED OTHERWISE. EXISTING LIGHTING CIRCUITS SHALL BE REUSED FOR NEW LIGHTING. REPLACE CIRCUITS AS NECESSARY IF CONDITION IS UNSUITABLE FOR REUSE. MODIFY/EXTEND EXISTING LIGHTING CIRCUITS AS REQUIRED TO FACILITATE NEW CONSTRUCTION. REUSE OF EXISTING CONDUITS IS ACCEPTABLE.
2. ALL SWITCHES AND LIGHTING CONTROL STATIONS SHALL BE MOUNTED PER ADA AND TAS REQUIREMENTS.
3. REFER TO LIGHTING CONTROL SCHEDULE.
4. ALL ROOM CONTROLLERS SHALL BE MOUNTED ABOVE ACCESSIBLE CEILING EXCEPT MOUNT AT ROOF STRUCTURE FOR AREAS WITHOUT CEILINGS.
5. PROVIDE ADDITIONAL ROOM CONTROLLERS AS REQUIRED TO FACILITATE FIXTURE CONTROL AS NOTED.
6. REPLACE ALL LIGHTING CONTROL STATIONS WITH NEW DEVICES AND COVER PLATES.
7. CONNECT EMERGENCY LIGHTING ("BUG–EYES") AND EXIT LIGHTING TO NEAREST LIGHTING CIRCUIT (CONTRACTOR TO VERIFY COMPATIBLE VOLTAGE). EXIT LIGHTING SHALL BE CONNECTED AHEAD OF EXISTING LIGHTING CONTROLS TO REMAIN ALWAYS ON.
8. VERIFY EXACT MOUNTING HEIGHT AND LOCATION OF EXIT AND EMERGENCY LIGHTING FIXTURES ("BUG–EYES") WITH ARCHITECT PRIOR TO ROUGH–IN. MOUNTED TO CEILING IS PREFERABLE.
9. CONDUIT SHALL NOT EXCEED A TOTAL OF 270 DEGREE BENDS BETWEEN BOXES. REFER TO SPECIFICATIONS FOR ADDITIONAL RESTRICTIONS.
10. ALL CONDUITS SHALL BE CONCEALED UNLESS SPECIFICALLY NOTED OTHERWISE TO BE EXPOSED.
11. REFER TO ARCHITECTURAL AND MECHANICAL/PLUMBING SHEETS FOR ADDITIONAL ELECTRICAL INFORMATION.
12. COORDINATE AND SCHEDULE ANY ELECTRICAL SERVICE INTERRUPTIONS WITH OWNER AND POWER COMPANY.
13. THE OWNER RESERVES THE RIGHT TO RETAIN OWNERSHIP OF CERTAIN ITEMS REMOVED DURING DEMOLITION. ALL ITEMS NOT RETAINED BY OWNER SHALL BE BECOME THE PROPERTY OF THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL FROM THE SITE.
14. CONTRACTOR SHALL VERIFY ALL EXISTING CIRCUIT VOLTAGES PRIOR TO BID.
15. REPLACE EXISTING FIXTURE WITH TYPE SHOWN. REFER TO LIGHT FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.
16. CONFIRM ALL CEILING AND WALL DEVICE LOCATIONS PRIOR TO ANY WORK. INFORMATION SHOWN ON DRAWINGS WAS TAKEN IN PART FROM SITE INVESTIGATIONS AND IS PROVIDED AS AN AID TO THE CONTRACTORS IN ASCERTAINING THE SCOPE OF WORK. NEITHER THE OWNER, ARCHITECT NOR ENGINEER SHALL BE RESPONSIBLE FOR ANY OMISSIONS OR DISCREPANCIES BETWEEN THESE DRAWINGS AND ACTUAL CONDITIONS. THE CONTRACTOR SHALL VERIFY EXACT QUANTITIES AND CONDITIONS AT THE JOBSITE PRIOR TO BID.
17. CEILING GRID AND ASSOCIATED CEILING TILE SHALL REMAIN IN CLASSROOMS AND ALL OTHER ROOMS NOT CONSIDERED PART OF MAIN HALLWAYS AND CORRIDORS THROUGHOUT THE PROJECT. CEILING GRID WILL BE REPLACED IN MAIN HALLWAYS AND CORRIDORS. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO CEILING GRID SYSTEM AT NO COST TO OWNER. IF CEILING GRID SYSTEM DAMAGE IS PRE–EXISTING IT SHALL BE NOTED, AND RECORDED WITH ARCHITECT/OWNER PRIOR TO ANY WORK.
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20. ANY MOVING OF FURNITURE REQUIRED TO PERFORM DEMOLITION OR NEW CONSTRUCTION WITHIN THE SCOPE OF THESE DRAWINGS AND SPECIFICATIONS SHALL BE DONE BY CONTRACTOR. OWNER WILL NOT MOVE ANY ITEMS FOR THE CONTRACTOR. CONTRACTOR SHALL REPLACE ANY ITEMS THAT ARE DAMAGED DURING DEMOLITION AND CONSTRUCTION WORK AT NO ADDITIONAL COST TO THE OWNER.
21. INSTALL NEW LED LIGHT FIXTURES PER FIXTURE SCHEDULE AND nLIGHT LIGHTING CONTROLS PER D.I.S.D. STANDARDS. SEE LIGHTING CONTROL AND FIXTURE SCHEDULES.

SECOND LEVEL FLOOR PLAN - LIGHTING - ELECTRICAL

N 1

SCALE: 1"=10'-0" 0 20

COMM. NO.	1288
DATE	11/11/24
DRAWN	RLT
CHECKED	RTY

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

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11/11/2024

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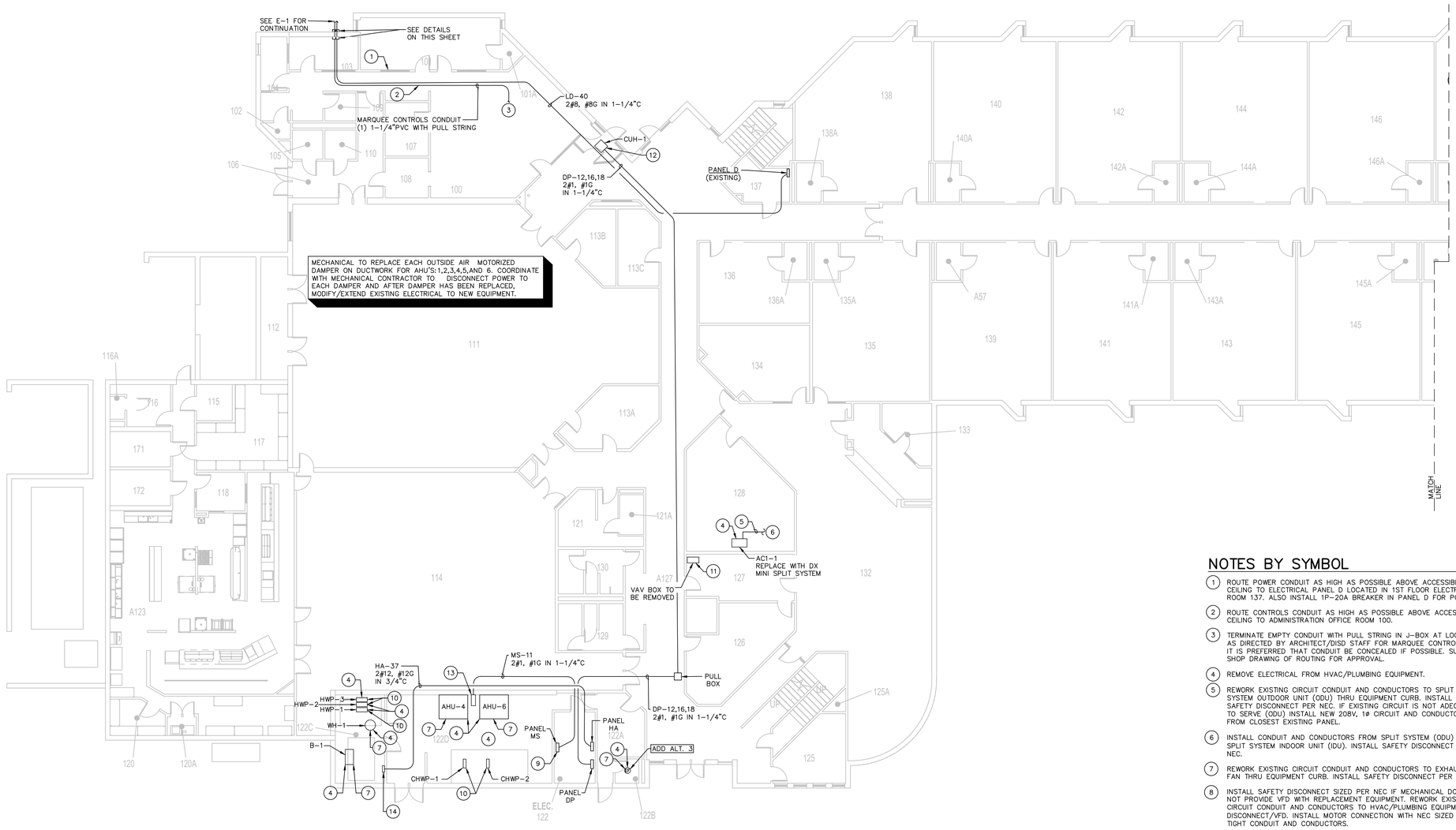
DALLAS INDEPENDENT SCHOOL DISTRICT

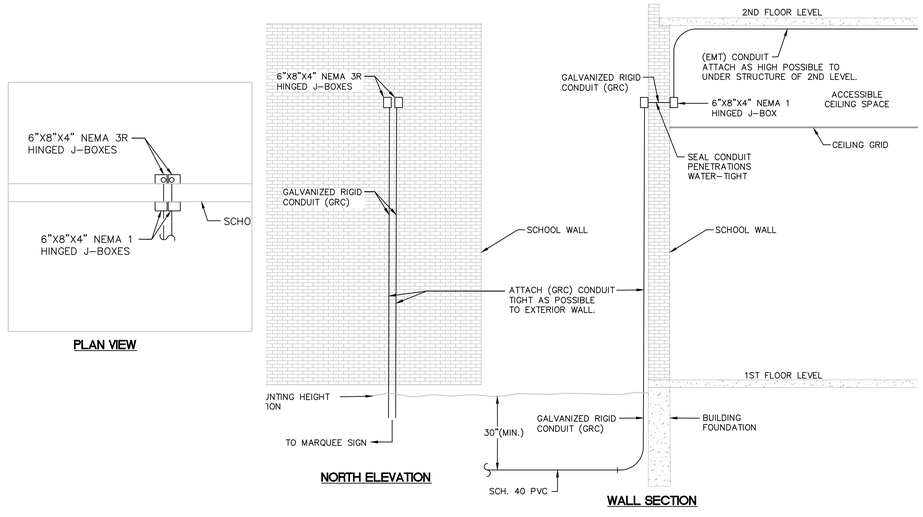
DISD JAMES BOWIE ELEMENTARY SCHOOL RENOVATION

330 NORTH MARSALIS AVE, DALLAS, TX 75203

SECOND LEVEL FLOOR PLAN - LIGHTING - ELECTRICAL

E-3





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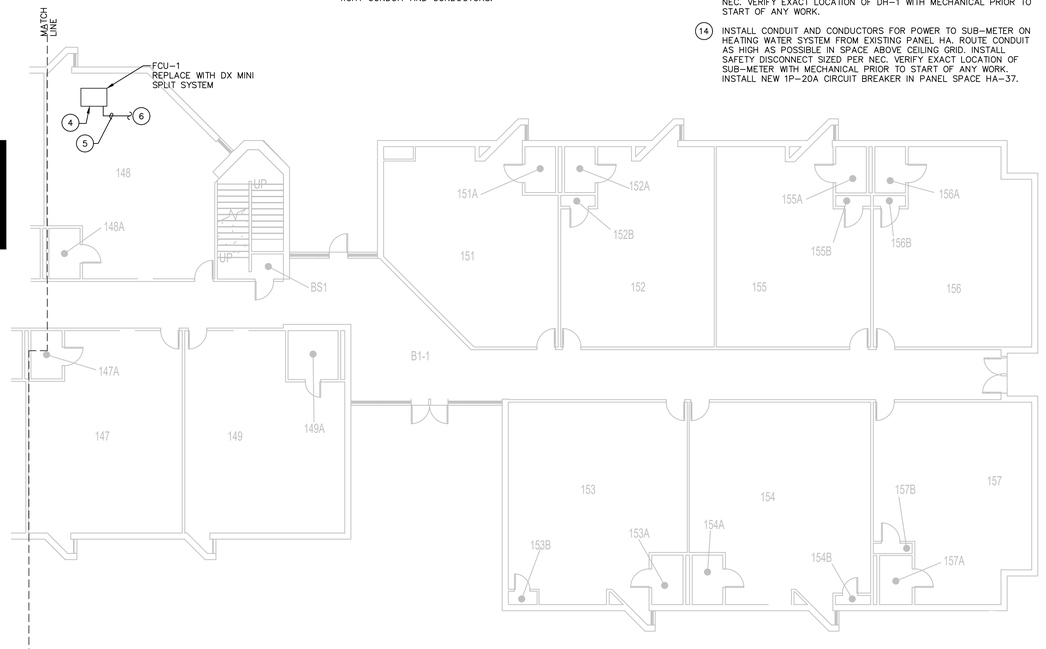

1 CONDUIT FROM MARQUEE AT SCHOOL BUILDING DETAILS (IF REQUIRED)

SCALE: 1"=10'-0" 0 20

N 1 FIRST LEVEL FLOOR PLAN - POWER - ELECTRICAL

SCALE: 1"=10'-0" 0 20

GENERAL NOTES

1. CONDUIT SHALL NOT EXCEED A TOTAL OF 270 DEGREE BENDS BETWEEN BOXES. REFER TO SPECIFICATIONS FOR ADDITIONAL RESTRICTIONS.
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NOTES BY SYMBOL

1. ROUTE POWER CONDUIT AS HIGH AS POSSIBLE ABOVE ACCESSIBLE CEILING TO ELECTRICAL PANEL D LOCATED IN 1ST FLOOR ELECTRICAL ROOM 137. ALSO INSTALL 1P-20A BREAKER IN PANEL D FOR POWER.
2. ROUTE CONTROLS CONDUIT AS HIGH AS POSSIBLE ABOVE ACCESSIBLE CEILING TO ADMINISTRATION OFFICE ROOM 100.
3. TERMINATE EMPTY CONDUIT WITH PULL STRING IN J-BOX AT LOCATION AS DIRECTED BY ARCHITECT/DISD STAFF FOR MARQUEE CONTROLLER. IT IS PREFERRED THAT CONDUIT BE CONCEALED IF POSSIBLE. SUBMIT SHOP DRAWING OF ROUTING FOR APPROVAL.
4. REMOVE ELECTRICAL FROM HVAC/PLUMBING EQUIPMENT.
5. REWORK EXISTING CIRCUIT CONDUIT AND CONDUCTORS TO SPLIT SYSTEM OUTDOOR UNIT (ODU) THRU EQUIPMENT CURB. INSTALL SAFETY DISCONNECT PER NEC. IF EXISTING CIRCUIT IS NOT ADEQUATE TO SERVE (ODU) INSTALL NEW 208V, 1ø CIRCUIT AND CONDUCTORS FROM CLOSEST EXISTING PANEL.
6. INSTALL CONDUIT AND CONDUCTORS FROM SPLIT SYSTEM (ODU) TO SPLIT SYSTEM INDOOR UNIT (IDU). INSTALL SAFETY DISCONNECT PER NEC.
7. REWORK EXISTING CIRCUIT CONDUIT AND CONDUCTORS TO EXHAUST FAN THRU EQUIPMENT CURB. INSTALL SAFETY DISCONNECT PER NEC.
8. INSTALL SAFETY DISCONNECT SIZED PER NEC IF MECHANICAL DOES NOT PROVIDE VFD WITH REPLACEMENT EQUIPMENT. REWORK EXISTING CIRCUIT CONDUIT AND CONDUCTORS TO HVAC/PLUMBING EQUIPMENT DISCONNECT/VFD. INSTALL MOTOR CONNECTION WITH NEC SIZED SEAL TIGHT CONDUIT AND CONDUCTORS.
9. REPLACE PANEL MS WITH A 800A, 480V, 3P4W, 42 CIRCUIT, MLO DISTRIBUTION PANEL. INSTALL 3P-800A BREAKER IN PANEL M TO FACILITATE NEW FEEDER CONDUCTORS TO REPLACEMENT PANEL MS. INCLUDE BREAKER MOUNTING HARDWARE AND APPROPRIATE BREAKER COVER FOR PANEL M. REPLACE FEEDER CONDUCTORS FROM SAID PANEL M FEEDER BREAKER TO REPLACEMENT PANEL MS UTILIZING EXISTING CONDUIT. ALSO INCLUDE CIRCUIT BREAKERS IN REPLACEMENT PANEL MS TO MATCH EXISTING CIRCUIT LOADS AS WELL AS CIRCUIT LOADS ADDED IN THIS PROJECT (IE. UH-1, UH-2, DH-1 ETC.)
10. INSTALL VFD PROVIDED BY MECHANICAL WITH REPLACEMENT EQUIPMENT. REWORK EXISTING CIRCUIT CONDUIT AND CONDUCTORS TO VFD. INSTALL MOTOR CONNECTION WITH NEC SIZED SEAL TIGHT CONDUIT AND CONDUCTORS FROM VFD TO REPLACEMENT MECHANICAL EQUIPMENT.
11. MECHANICAL TO REMOVE VAV BOX. REMOVE ELECTRICAL CIRCUIT FROM VAV BOX. DEMOLISH CONDUIT AND CONDUCTORS BACK TO 1ST COUPLING. INSTALL J-BOX WITH BLANK COVER AND TRIM CONDUCTORS TO 8" OF SLACK AND CAP. TRACE ELECTRICAL CIRCUIT AND IDENTIFY WITH PERMANENT MARKER ON J-BOX COVER. IF DEDICATED CIRCUIT REMOVE CONDUCTORS FROM CIRCUIT BREAKER AND MAKE AS "SPARE" ON PANEL CIRCUIT INDEX CARD.
12. INSTALL CONDUIT AND CONDUCTORS FOR POWER TO CUH-1. USE SPARE 3P-100A CIRCUIT BREAKER IN PANEL DP. ROUTE CONDUIT AS HIGH AS POSSIBLE IN SPACE ABOVE CEILING GRID. INSTALL SAFETY DISCONNECT SIZED PER NEC.
13. INSTALL CONDUIT AND CONDUCTORS FOR POWER TO DH-1 FROM DISTRIBUTION PANEL DP. ROUTE CONDUIT AS HIGH AS POSSIBLE IN SPACE ABOVE CEILING GRID. INSTALL SAFETY DISCONNECT SIZED PER NEC. VERIFY EXACT LOCATION OF DH-1 WITH MECHANICAL PRIOR TO START OF ANY WORK.
14. INSTALL CONDUIT AND CONDUCTORS FOR POWER TO SUB-METER ON HEATING WATER SYSTEM FROM EXISTING PANEL HA. ROUTE CONDUIT AS HIGH AS POSSIBLE IN SPACE ABOVE CEILING GRID. INSTALL SAFETY DISCONNECT SIZED PER NEC. VERIFY EXACT LOCATION OF SUB-METER WITH MECHANICAL PRIOR TO START OF ANY WORK. INSTALL NEW 1P-20A CIRCUIT BREAKER IN PANEL SPACE HA-37.

COMM. NO.	1288
DATE	11/11/24
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ONE INCH

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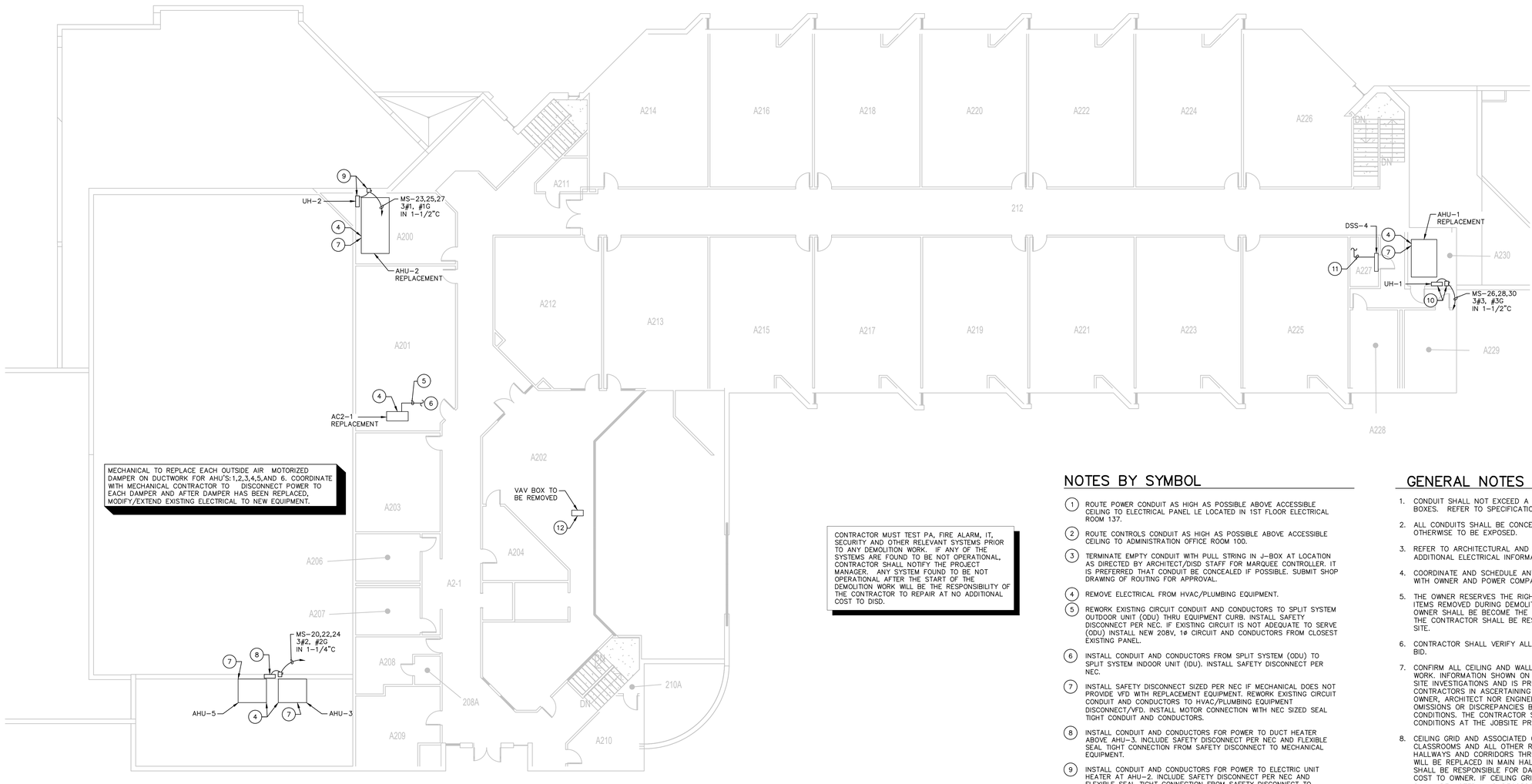
FIRST LEVEL FLOOR PLAN - POWER - ELECTRICAL

E-4



MECHANICAL TO REPLACE EACH OUTSIDE AIR MOTORIZED DAMPER ON DUCTWORK FOR AHU'S: 1,2,3,4,5,AND 6. COORDINATE WITH MECHANICAL CONTRACTOR TO DISCONNECT POWER TO EACH DAMPER AND AFTER DAMPER HAS BEEN REPLACED, MODIFY/EXTEND EXISTING ELECTRICAL TO NEW EQUIPMENT.

CONTRACTOR MUST TEST PA, FIRE ALARM, IT, SECURITY AND OTHER RELEVANT SYSTEMS PRIOR TO ANY DEMOLITION WORK. IF ANY OF THE SYSTEMS ARE FOUND TO BE NOT OPERATIONAL, CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER. ANY SYSTEM FOUND TO BE NOT OPERATIONAL AFTER THE START OF THE DEMOLITION WORK WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT NO ADDITIONAL COST TO DISD.

NOTES BY SYMBOL

(1) ROUTE POWER CONDUIT AS HIGH AS POSSIBLE ABOVE ACCESSIBLE CEILING TO ELECTRICAL PANEL LE LOCATED IN 1ST FLOOR ELECTRICAL ROOM 137.

(2) ROUTE CONTROLS CONDUIT AS HIGH AS POSSIBLE ABOVE ACCESSIBLE CEILING TO ADMINISTRATION OFFICE ROOM 100.

(3) TERMINATE EMPTY CONDUIT WITH PULL STRING IN J–BOX AT LOCATION AS DIRECTED BY ARCHITECT/DISD STAFF FOR MARQUEE CONTROLLER. IT IS PREFERRED THAT CONDUIT BE CONCEALED IF POSSIBLE. SUBMIT SHOP DRAWING OF ROUTING FOR APPROVAL.

(4) REMOVE ELECTRICAL FROM HVAC/PLUMBING EQUIPMENT.

(5) REWORK EXISTING CIRCUIT CONDUIT AND CONDUCTORS TO SPLIT SYSTEM OUTDOOR UNIT (ODU) THRU EQUIPMENT CURB. INSTALL SAFETY DISCONNECT PER NEC. IF EXISTING CIRCUIT IS NOT ADEQUATE TO SERVE (ODU) INSTALL NEW 208V, 1ø CIRCUIT AND CONDUCTORS FROM CLOSEST EXISTING PANEL.

(6) INSTALL CONDUIT AND CONDUCTORS FROM SPLIT SYSTEM (ODU) TO SPLIT SYSTEM INDOOR UNIT (IDU). INSTALL SAFETY DISCONNECT PER NEC.

(7) INSTALL SAFETY DISCONNECT SIZED PER NEC IF MECHANICAL DOES NOT PROVIDE VFD WITH REPLACEMENT EQUIPMENT. REWORK EXISTING CIRCUIT CONDUIT AND CONDUCTORS TO HVAC/PLUMBING EQUIPMENT DISCONNECT/VFD. INSTALL MOTOR CONNECTION WITH NEC SIZED SEAL TIGHT CONDUIT AND CONDUCTORS.

(8) INSTALL CONDUIT AND CONDUCTORS FOR POWER TO DUCT HEATER ABOVE AHU–3. INCLUDE SAFETY DISCONNECT PER NEC AND FLEXIBLE SEAL TIGHT CONNECTION FROM SAFETY DISCONNECT TO MECHANICAL EQUIPMENT.

(9) INSTALL CONDUIT AND CONDUCTORS FOR POWER TO ELECTRIC UNIT HEATER AT AHU–2. INCLUDE SAFETY DISCONNECT PER NEC AND FLEXIBLE SEAL TIGHT CONNECTION FROM SAFETY DISCONNECT TO MECHANICAL EQUIPMENT.

(10) INSTALL CONDUIT AND CONDUCTORS FOR POWER TO ELECTRIC UNIT HEATER AT AHU–1. INCLUDE SAFETY DISCONNECT PER NEC AND FLEXIBLE SEAL TIGHT CONNECTION FROM SAFETY DISCONNECT TO MECHANICAL EQUIPMENT.

(11) INSTALL CONDUIT AND CONDUCTORS FOR POWER TO DSS–4 (IDU) FROM (ODU) ON ROOF. SEE SHEET E–6 FOR CU4–1 CIRCUIT INFORMATION.

(12) MECHANICAL TO REMOVE VAV BOX. REMOVE ELECTRICAL CIRCUIT FROM VAV BOX. DEMOLISH CONDUIT AND CONDUCTORS BACK TO 1ST COUPLING. INSTALL J–BOX WITH BLANK COVER AND TRIM CONDUCTORS TO 8" OF SLACK AND CAP. TRACE ELECTRICAL CIRCUIT AND IDENTIFY WITH PERMANENT MARKER ON J–BOX COVER. IF DEDICATED CIRCUIT REMOVE CONDUCTORS FROM CIRCUIT BREAKER AND MAKE AS "SPARE" ON PANEL CIRCUIT INDEX CARD.

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N 1 FIRST LEVEL FLOOR PLAN - POWER - ELECTRICAL

SCALE: 1"=10'-0" (0 – 20)

COMM. NO.	1288
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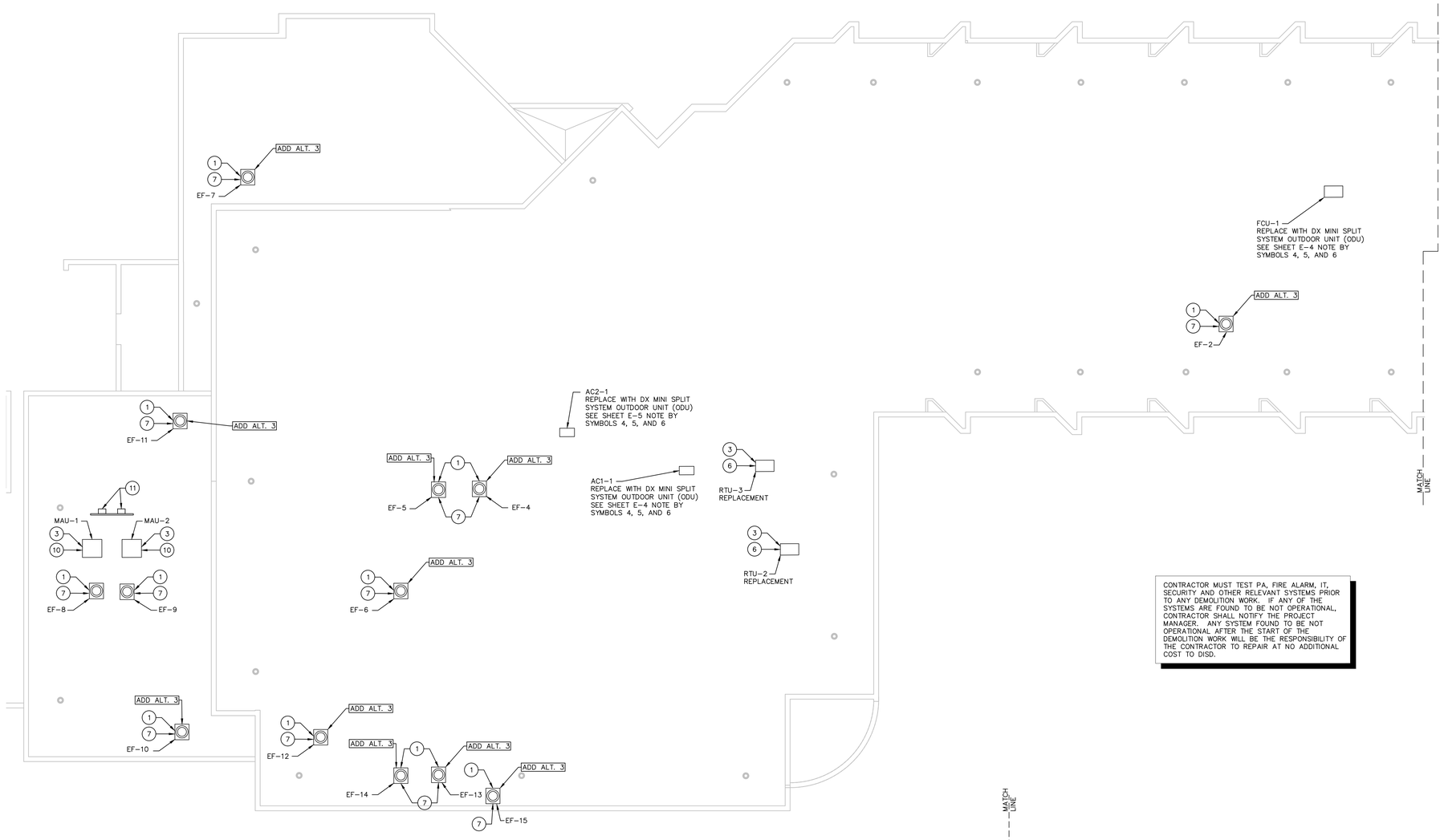
SECOND LEVEL FLOOR PLAN - POWER-ELECTRICAL

E-5



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NOTES BY SYMBOL

1. REMOVE ELECTRICAL FROM EXHAUST FAN EQUIPMENT.
2. NOT USED
3. REMOVE ELECTRICAL FROM HVAC/PLUMBING EQUIPMENT.
4. REWORK EXISTING CIRCUIT CONDUIT AND CONDUCTORS TO SPLIT SYSTEM OUTDOOR UNIT (ODU) THRU EQUIPMENT CURB. INSTALL SAFETY DISCONNECT PER NEC. IF EXISTING CIRCUIT IS NOT ADEQUATE TO SERVE (ODU) INSTALL NEW 208V, 1ø CIRCUIT AND CONDUCTORS FROM CLOSEST EXISTING PANEL.
5. INSTALL CONDUIT AND CONDUCTORS FROM SPLIT SYSTEM (ODU) TO SPLIT SYSTEM INDOOR UNIT (IDU). INSTALL SAFETY DISCONNECT PER NEC.
6. INSTALL SAFETY DISCONNECT SIZED PER NEC. REWORK EXISTING CIRCUIT CONDUIT AND CONDUCTORS TO HVAC/PLUMBING EQUIPMENT SAFETY DISCONNECT. INSTALL MOTOR CONNECTION WITH NEC SIZED SEAL TIGHT CONDUIT AND CONDUCTORS.
7. REWORK EXISTING CIRCUIT CONDUIT AND CONDUCTORS TO EXHAUST FAN THRU EQUIPMENT CURB. INSTALL SAFETY DISCONNECT PER NEC.
8. INSTALL 2P-30A CIRCUIT BREAKER IN PANEL LE. ALSO INSTALL CONDUIT AND CONDUCTORS FROM SAID BREAKER TO SPLIT SYSTEM OUTDOOR UNIT (ODU) THRU EQUIPMENT CURB. NEW INSTALL SAFETY DISCONNECT PER NEC. INSTALL MOTOR CONNECTION WITH NEC SIZED SEAL TIGHT CONDUIT AND CONDUCTORS. PANEL LE IS LOCATED IN MECHANICAL ROOM 200.
9. CU4-1 (ODU) POWERS (IDU) DSS CU4-1. INSTALL CONDUIT AND CONDUCTORS SIZED PER MECHANICAL EQUIPMENT REQUIREMENTS FROM (ODU) BACK THRU EQUIPMENT CURB TO THE (IDU). ALSO INSTALL SAFETY DISCONNECT AT (IDU) PER NEC.
10. REWORK EXISTING CIRCUIT CONDUIT AND CONDUCTORS TO MAKE-UP AIR UNIT THRU EQUIPMENT CURB. INSTALL SAFETY DISCONNECT PER NEC. IF EXISTING CIRCUIT IS NOT ADEQUATE TO SERVE REPLACEMENT MAU INSTALL NEW 208V, 1ø CIRCUIT AND CONDUCTORS FROM CLOSEST EXISTING PANEL. VERIFY EXACT LOCATION FOR REPLACEMENT MECHANICAL EQUIPMENT PRIOR TO STARTING WORK.
11. KITCHEN HOODS WILL HAVE VFD CONTROLLERS PROVIDED AND INSTALLED WITH MECHANICAL PACKAGE. CONTRACTOR SHALL MODIFY/EXTEND EXISTING CONDUITS AND CONDUCTORS THRU ROOF CURBS TO VFD. ALSO EXTEND EXISTING KITCHEN HOOD CIRCUITS WITH NEW CONDUIT AND CONDUCTOR AND MAKE FINAL CONNECTIONS. VFD PROGRAMMING, START-UP AND CHECK-OUT BY WILL BE BY MECHANICAL.

N 1 ROOF PLAN - POWER - ELECTRICAL

SCALE: 1"=10'-0" (0 — 20)

COMM. NO. 1288
DATE 11/11/24
DRAWN RLT
CHECKED RTY

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY
ONE INCH
REVISIONS:

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11/11/2024

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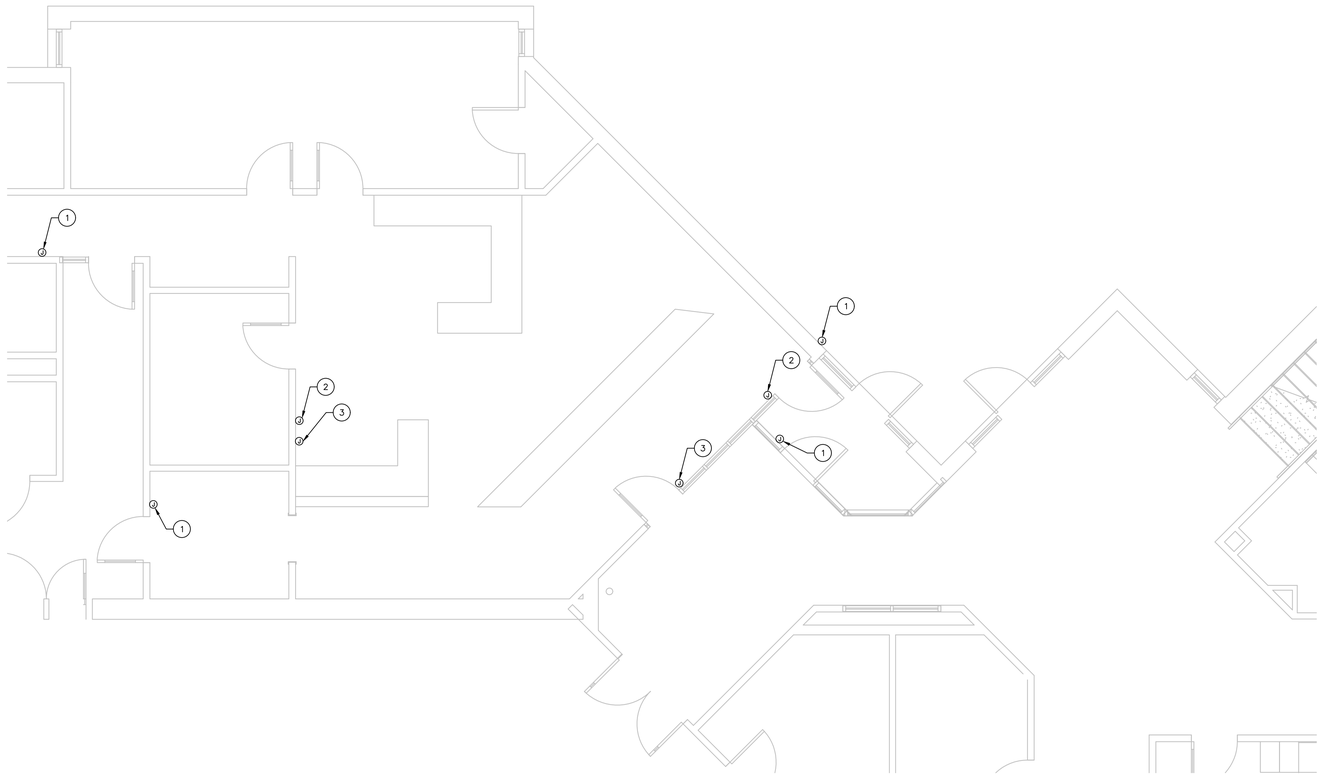
ROOF PLAN - POWER - ELECTRICAL

E-6



GENERAL NOTES

1. CEILING GRID AND ASSOCIATED CEILING TILE SHALL REMAIN IN CLASSROOMS AND ALL OTHER ROOMS NOT CONSIDERED PART OF MAIN HALLWAYS AND CORRIDORS THROUGHOUT THE PROJECT. CEILING GRID WILL BE REPLACED IN MAIN HALLWAYS AND CORRIDORS. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO CEILING GRID SYSTEM AT NO COST TO OWNER. IF CEILING GRID SYSTEM DAMAGE IS PRE-EXISTING IT SHALL BE NOTED, AND RECORDED WITH ARCHITECT/OWNER PRIOR TO ANY WORK.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR MOVING ANY EXISTING EQUIPMENT, APPLIANCES, OR FURNITURE AS REQUIRED TO PERFORM ALL WORK IN THEIR SCOPE. EXISTING ITEMS SHALL BE PROTECTED AND SECURED BY CONTRACTOR TO PREVENT DAMAGE OR THEFT DURING CONSTRUCTION. IF DAMAGE OR THEFT OCCURS DURING CONSTRUCTION CONTRACTOR SHALL REPLACE ITEMS AS REQUIRED.
3. SECURITY CAMERAS AND CARD ACCESS DEVICES AND WIRING SHALL BE INSTALLED BY DISD. CONTRACTOR SHALL INSTALL BACK BOX AND CONDUIT AS SHOWN ON T-SHEETS. ROUTE 1" CONDUIT FROM BACK BOXES LOCATED IN WALLS TO ABOVE THE NEAREST ACCESSIBLE CEILING. COORDINATE WITH AECOM PROJECT MANAGER ALL CARD ACCESS AND SECURITY CAMERA LOCATIONS PRIOR TO ROUGH-IN.
4. ANY MOVING OF FURNITURE REQUIRED TO PERFORM DEMOLITION OR NEW CONSTRUCTION WITHIN THE SCOPE OF THESE DRAWINGS AND SPECIFICATIONS SHALL BE DONE BY CONTRACTOR. OWNER WILL NOT MOVE ANY ITEMS FOR THE CONTRACTOR. CONTRACTOR SHALL REPLACE ANY ITEMS THAT ARE DAMAGED DURING DEMOLITION AND CONSTRUCTION WORK AT NO ADDITIONAL COST TO THE OWNER.
5. CONTRACTOR SHALL REMOVE, EXTEND, AND RELOCATE ALL ELECTRICAL IN AREA OF RENOVATION FOR SECURE ENTRY VESTIBULE. ENSURE ALL EXISTING CIRCUITS OF SURROUNDING AREA OF CONSTRUCTION ARE KEPT IN SERVICE.

NOTES BY SYMBOL

(1) INSTALL 3/4" DATA RISER TO ACCESSIBLE CEILING FOR CARD READER. INCLUDE PULL STRING IN CONDUIT.

(2) INSTALL 3/4" DATA RISER ACCESSIBLE CEILING FOR PUSH BUTTON AND DOOR RELEASE (ENTRY FROM RECEPTION DESK). INCLUDE PULL STRING IN CONDUIT. VERIFY EXACT LOCATION WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.

(3) INSTALL DATA ROUGH-IN DEVICE BOX, AND 3/4" CONDUIT TO ACCESSIBLE CEILING FOR PUSH BUTTON AND DOOR RELEASE (ENTRY TO RECEPTION FROM SCHOOL HALL DESK). INCLUDE PULL STRING IN CONDUIT. VERIFY EXACT LOCATION WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.

CONTRACTOR MUST TEST P.A, FIRE ALARM, IT, SECURITY AND OTHER RELEVANT SYSTEMS PRIOR TO ANY DEMOLITION WORK. IF ANY OF THE SYSTEMS ARE FOUND TO BE NOT OPERATIONAL, CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER. ANY SYSTEM FOUND TO BE NOT OPERATIONAL AFTER THE START OF THE DEMOLITION WORK WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT NO ADDITIONAL COST TO DISD.

N 1 ENLARGED FIRST LEVEL FLOOR PLAN -SECURE FRONT ENTRY - ELECTRICAL

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

COMM. NO.	1288
DATE	11/11/24
DRAWN	RLT
CHECKED	RTY

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

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DISD JAMES BOWIE ELEMENTARY SCHOOL RENOVATION

330 NORTH MARSALIS AVE. DALLAS, TX 75203

ENLARGED FIRST LEVEL FLOOR PLAN -SECURE FRONT ENTRY - ELECTRICAL

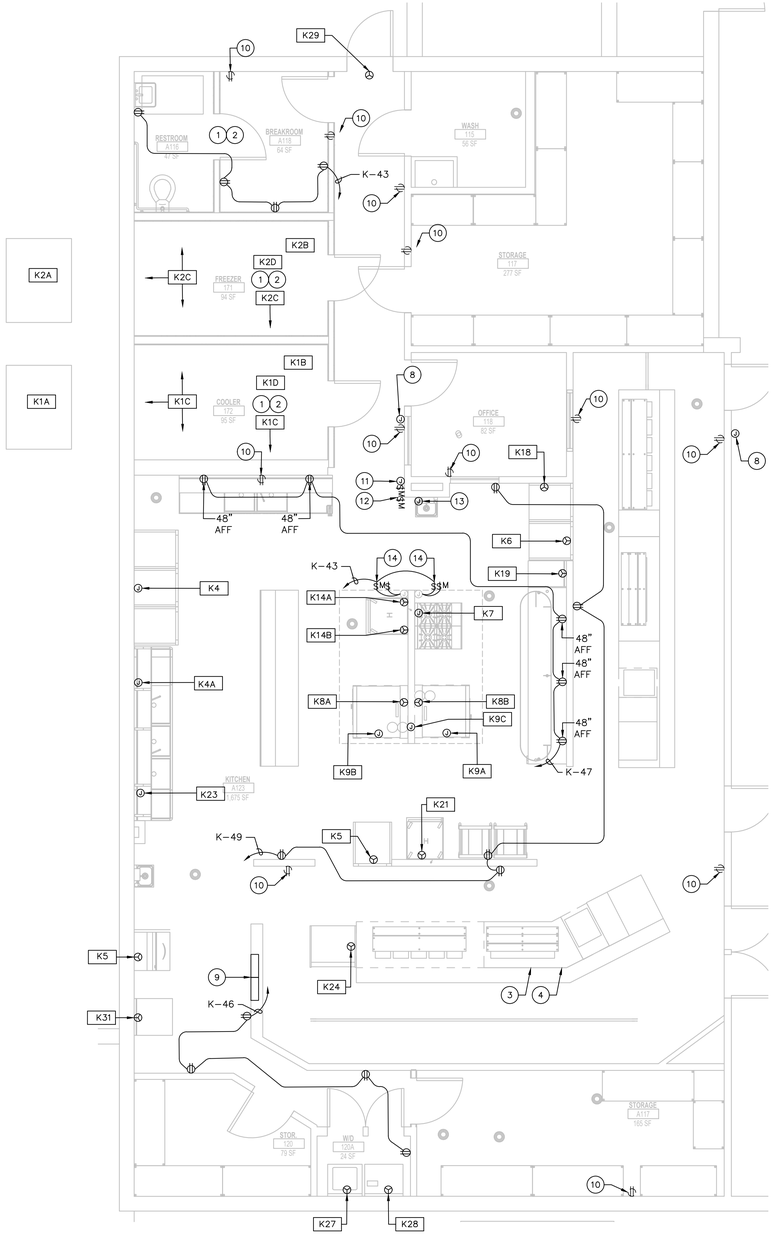
E-7

KITCHEN EQUIPMENT SCHEDULE

SYMBOL	EQUIPMENT	CIRCUIT	VOLTS/ PHASE	MOCP	MCA	KVA	NOTES
K1A	WALK-IN FREEZER ROOF TOP REFRIGERATION PACKAGE	K-1,3,5	208/3	25	15.5	2.3	SEE NOTE 1
K1B	WALK-IN FREEZER LIGHTS	K-2	120/1	20	4	0.34	SEE NOTE 1
K1C	WALK-IN FREEZER DOOR AND HEATED RELIEF VENT	K-4	120/1	20	9	0.9	SEE NOTE 1
K1D	WALK-IN FREEZER BLOWER COIL HEATERS AND MOTORS	K-6,8	208/1	20	10	1.7	SEE NOTE 1
K2A	WALK-IN COOLER ROOF TOP REFRIGERATION PACKAGE	K-7,9,11	208/3	20	10.9	2	SEE NOTE 1
K2B	WALK-IN COOLER LIGHTS	K14	120/1	20	2	0.34	SEE NOTE 1
K2C	WALK-IN COOLER DOOR JAMB HEATER	K-12	120/1	20	6	0.6	SEE NOTE 1
K2D	WALK-IN COOLER BLOWER COIL	K-10	120/1	20	1.7	0.2	SEE NOTE 1
K4	POWER SOAK 3-COMPARTMENT SINK	K-15,17,19	208/3	30	29.9	7	SEE NOTE 1
K4A	POT AND PAN COLLECTOR W/UTENSIL RACK	K-21,23,25	208/3	20	3	1	SEE NOTE 1
K5	FROST TOP COUNTER	K-36,38,40	208/3	20	5.8	1.6	SEE NOTE 1
K23	3-SECTION REFIGERATOR	K-41	120/1	20	8.4	0.85	SEE NOTE 1
K7	Tilt Skillet	K-27	120/1	20	9	1	SEE NOTES 1 AND 4
K8A	Double Convection Oven	K-32	120/1	20	7.7	7.7A	SEE NOTES 1 AND 4
K8B	Double Convection Oven	K-34	120/1	20	7.7	7.7A	SEE NOTES 1 AND 4
K9A	Exhaust Hood		480/3			60A RLT SWAG	SEE NOTES 2 AND 3
K9B	Exhaust Hood		480/3			60A RLT SWAG	SEE NOTES 2 AND 3
K9C	Fire Protection System		120/1			10A RLT SWAG	SEE NOTE 18
K14A	Double Stacked Steamer	K-29	120/1	20	15	1.4	SEE NOTES 1 AND 4
K14B	Double Stacked Steamer	K-31	120/1	20	15	1.4	SEE NOTES 1 AND 4
K18	Pass-Thru Heated Cabinet	K-28	208/1	20	1.8	1.3	SEE NOTE 1
19	30 QT. Mixer on Stand	K-20	120/1	20	15	1.5	SEE NOTE 1
K21	Heater / Proofer	K-24	120/1	20	13.3	1.3	SEE NOTE 1
K23	Reach-In Refrigerator 3-Door	K-41	120/1	20	8.4	0.85	SEE NOTE 1
K24	MILK CABINET	K-46	120/1	20	7.2	0.75	SEE NOTE 1
K27	CLOTHES WACHER	K-26	120/1	20	15	1.4	SEE NOTE 1
K28	CLOTHES DRYER	K-16,18	208/1	30	29	4.8	SEE NOTE 1
K29	INSECT FAN	K-13	120/1	20	10.2	0.7	SEE NOTE 1
K31	ICE MAKER / BIN	K-22	120/1	20	16	1.55	SEE NOTE 1
K11	PASS-THRU REFRIGERATOR	K-33	120/1	20	8	0.75	SEE NOTE 1
K12	EXHAUST HOOR "VENTILATOR" LIGHTS	K-43	120/1	20	4	0.35	SEE NOTE 1 AND 4
K-35	HOT WELL COUNTER	K-35,37,39	208/3	20	14.5	4.5	SEE NOTE 1
K-42	FROST TOP COUNTER	K-42	120/1	20	5.8	0.55	SEE NOTE 1

NOTES:

1. MODIFY/EXTEND EXISTING CIRCUITS TO MECH/KITCHEN EQUIPMENT IF POSSIBLE. INSTALL SAFETY DISCONNECT PER NEC IF MECHANICAL PACKAGE LACKS DISCONNECT OR PROVIDES VFD. COORDINATE WITH MECHANICAL AND VERIFY EQUIPMENT POWER REQUIREMENTS AND RECEPTACLE CONFIGURATIONS. IF EXISTING CONDUCTORS LACK AMPACITY FOR KITCHEN EQUIPMENT REPLACE ENTIRE CIRCUIT TO PANEL K. UPSIZE CONDUIT AND CONDUCTORS AS REQUIRED .
2. MODIFY/EXTEND EXISTING CIRCUIT TO MECH. EQUIPMENT VFD PROVIDED BY MECHANOCAL CONTRACTOR. INSTALL NEW FLEXIBLE CONNECTIONS TO MECHANICAL EQUIPMENT FROM VFD.
3. MODIFY/EXTEND EXISTING CONTROL CIRCUIT ASSOCIATED WITH FIRE SUPRESSION SYSTEM TO MECH. EQUIPMENT. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT LOCATION OF VFD, AND FIRE SUPRESSION INTERLOCK.
4. REQUIRES SHUNT-TRIP CIRCUIT BREAKER OR CONTACTOR/RELAYS TO CONTROL WITH FIRE SUPRESSION SYSTEM.



N 1 ENLARGED FIRST LEVEL FLOOR PLAN - KITCHEN POWER - ELECTRICAL

SCALE: 1/4"=1'-0" (0 to 8)

GENERAL NOTES – DEMOLITION

1. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL ELECTRICAL DEVICES AND EQUIPMENT HARDWIRED CONNECTIONS WHICH MAY COME IN CONFLICT WITH GENERAL DEMOLITION. (I.E. FLOOR AND WALL SURFACES, SHELVING, EQUIPMENT, FURNITURE, ETC.)
   - RECORD LOCATION EACH DEVICE OR EQUIPMENT POWER CONNECTION WHIP REMOVED.
   - INSTALL NEW DEVICES AND COVER PLATES (MATCHING THOSE REMOVED) ON EXISTING CIRCUIT CONDUCTORS AND DEVICE BOX.
   - INSTALL NEW POWER CONNECTION WHIP (MATCHING ELECTRICAL MATERIAL OF WHIP REMOVED) FROM EXISTING CIRCUIT CONDUCTORS AND DEVICE BOX TO REPLACEMENT EQUIPMENT PROVIDED BY DISTRICT.
2. COORDINATE AND SCHEDULE ANY ELECTRICAL SERVICE INTERRUPTIONS WITH OWNER AND POWER COMPANY.
3. THE OWNER RESERVES THE RIGHT TO RETAIN OWNERSHIP OF CERTAIN ITEMS REMOVED DURING DEMOLITION. ALL ITEMS NOT RETAINED BY OWNER SHALL BE BECOME THE PROPERTY OF THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL FROM THE SITE.
4. CONTRACTOR SHALL VERIFY ALL EXISTING CIRCUIT VOLTAGES PRIOR TO BID.
5. CONFIRM ALL CEILING AND WALL DEVICE LOCATIONS PRIOR TO ANY WORK. INFORMATION SHOWN ON DRAWINGS WAS TAKEN IN PART FROM SITE INVESTIGATIONS AND IS PROVIDED AS AN AID TO THE CONTRACTORS IN ASCERTAINING THE SCOPE OF WORK. NEITHER THE OWNER, ARCHITECT NOR ENGINEER SHALL BE RESPONSIBLE FOR ANY OMISSIONS OR DISCREPANCIES BETWEEN THESE DRAWINGS AND ACTUAL CONDITIONS. THE CONTRACTOR SHALL VERIFY EXACT QUANTITIES AND CONDITIONS AT THE JOBSITE PRIOR TO BID.
6. VERIFY ALL POWER, TELEPHONE/DATA, J-BOX, RECEPTACLE, AND EQUIPMENT OUTLET AND CONNECTION LOCATIONS AND EXACT MOUNTING HEIGHTS WITH KITCHEN EQUIPMENT SUPPLIER AND OWNER PRIOR TO ROUGH-IN.
7. RECEPTACLES, BOXES, AND CIRCUITS ASSOCIATED WITH EQUIPMENT UNDER KITCHEN HOOD AND HOOD EXHAUST FAN SHALL BE SERVED FROM SHUNT-TRIP CIRCUIT BREAKERS INTERLOCKED WITH HOOD SUPPRESSION SYSTEM.
8. RECEPTACLES IN KITCHEN, TOILETS AND JANITOR THIS SHEET SHALL BE GFI AND COMBINATION GFI/ARC-FAULT PER NEC.
9. COORDINATE EXACT ELECTRICAL WIRING REQUIREMENTS FOR HOOD, MAKE-UP AND EXHAUST FAN.
10. PROVIDE AND INSTALL J-BOX AND MAKE FINAL CONNECTIONS TO KITCHEN HOOD FOR LIGHTS AND CONTROLS. COORDINATE EXACT REQUIREMENTS WITH HVAC AND PLUMBING CONTRACTOR.
11. VERIFY PREFERRED LOCATION OF ELECTRICAL DISCONNECT FOR WALK-IN COOLER AND WALK-IN FREEZER EQUIPMENT. DISCONNECT MOUNTING ABOVE COOLER AND FREEZER NEXT TO EQUIPMENT IS ACCEPTABLE.
12. RECEPTACLES SHOWN FOR EQUIPMENT BY SYMBOL " " SHALL ALSO HAVE DISCONNECT AS RECOMMENDED BY EQUIPMENT MANUFACTURER AND AS REQUIRED BY NEC. THIS DISCONNECT IS NOT SHOWN BUT SHALL BE PROVIDED AS STATED ABOVE.
13. VERIFY LOCATION OF KITCHEN EQUIPMENT CONDENSING UNITS AND EVAPORATORS PRIOR TO ROUGH-IN.
14. PROVIDE NEUTRAL CONDUCTORS IN ADDITION TO CONDUCTORS SHOWN IN WIRE SIZE SCHEDULE FOR 2 POLE AND 3 POLE CIRCUITS AS REQUIRED.
15. REFER TO FOOD SERVICE DRAWINGS FOR ADDITIONAL INFORMATION AND ELECTRICAL WORK.
16. CONTRACTOR SHALL COORDINATE FOODSERVICE ELECTRICAL REQUIREMENTS DRAWINGS SHEETS QF111, QF121, QF131, QF141, AND QF151 ALONG WITH FOODSERVICE EQUIPMENT SPECIFICATIONS 11 40 00 FOR ADDITIONAL ELECTRICAL WORK. CONTRACTOR SHALL ENSURE ALL ELECTRICAL WORK REFERENCED ON FOODSERVICE ELECTRICAL REQUIREMENTS DRAWINGS ARE INCLUDE IN THE ELECTRICAL SCOPE OF WORK.

NOTES BY SYMBOL

(1) REMOVE ALL ELECTRICAL TO MECHANICAL EQUIPMENT. PROTECT EXISTING CIRCUIT CONDUIT AND CONDUCTORS FOR REUSE.

(2) REWORK EXISTING CIRCUIT CONDUITS AND CONDUCTORS TO MECHANICAL EQUIPMENT. EXTEND EACH EXISTING CIRCUIT AS NECESSARY WITH NEW CONDUIT AND CONDUCTORS (MATCHING SIZES OF THAT EXISTING) TO SERVE EQUIPMENT.

(3) REMOVE ALL ELECTRICAL TO SERVING LINE EQUIPMENT. PROTECT EXISTING CIRCUIT CONDUIT AND CONDUCTORS FOR REUSE.

(4) REWORK EXISTING CIRCUIT CONDUITS AND CONDUCTORS TO SERVING EQUIPMENT LINE UP. EXTEND EACH EXISTING CIRCUIT AS NECESSARY WITH NEW CONDUIT AND CONDUCTORS (MATCHING SIZES OF THAT EXISTING) TO POWER SERVING EQUIPMENT.

(5) REMOVE ALL ELECTRICAL CONDUCTORS AND CONDUITS SERVING GENERAL USE RECEPTACLES. CONDUITS MAY BE REUSED IF IN GOOD CONDITION. INSTALL CONDUCTORS AS NECESSARY TO POWER GENERAL USE RECEPTACLES FROM PANEL K. EXISTING CIRCUIT NUMBER SHALL BE DOCUMENTED. NEWLY INSTALLED CONDUCTORS SHALL TERMINATE ON CIRCUIT BREAKER POSITION IN NEW PANEL K AS IT DID BEFORE PANEL WAS REPLACED. INCLUDE NEW ELECTRICAL DEVICE AND COVER PLATE PER SPECIFICATIONS AND NEC.

(6) REMOVE ALL ELECTRICAL TO VENT HOODS PROTECT EXISTING CIRCUIT CONDUIT AND CONDUCTORS FOR REUSE.

(7) REWORK EXISTING CIRCUIT CONDUITS AND CONDUCTORS TO VENT HOODS. EXTEND EACH EXISTING CIRCUIT AS NECESSARY WITH NEW CONDUIT AND CONDUCTORS (MATCHING SIZES OF THAT EXISTING) TO VENT HOODS.

(8) INSTALL 3/4"C DATA ROUGH-IN WITH 1-GANG DEVICE BOX AND CONDUIT TO ACCESSIBLE CEILING FOR CARD READER LOCATION. INCLUDE PULL STRING IN CONDUIT. VERIFY EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN.

(9) REPLACE PANEL K WITH NEW TWO SECTION PANEL. SECTION 1 SHALL BE A 400A, 120/208Y, 3P4W, VERTICAL 84 CIRCUIT PANELBOARD WITH MAIN CIRCUIT BREAKER AND FEED THROUGH LUGS FOR SECTION 2. SECTION 2 SHALL BE AN ADDITIONAL 42 CIRCUIT PANEL BOARD MLO. INCLUDE CIRCUIT BREAKERS TO MATCH EXISTING LOADS AND ADDITIONAL APPLIANCES INSTALLED IN KITCHEN RENOVATION. SEE MECHANICAL PLANS FOR ADDITIONAL INFORMATION ON KITCHEN EQUIPMENT. REWORK EXISTING CIRCUIT CONDUITS AND CONDUCTORS TO REPLACEMENT PANEL K. EXTEND EACH EXISTING CIRCUIT AS NECESSARY WITH NEW CONDUIT AND CONDUCTORS (MATCHING SIZES OF THAT EXISTING).

(10) EXISTING RECEPTACLE. DEVICE BOX, CIRCUIT CONDUIT AND CONDUCTORS TO REMAIN. REPLACE DEVICE AND COVER PLATE. SEE SPECIFICATIONS FOR ELECTRICAL DEVICES, AND IDENTIFICATION. TRACE EXISTING CIRCUIT AND RECORD ON PANEL CIRCUIT INDEX SCHEDULE.

(11) INSTALL (1) 4" OCTAGON BOX 4'-0" AFF WITH 1/2"CONDUIT TO 6 INCHES ABOVE ACCESSIBLE CEILING

(12) INSTALL (1) GANG MOTOR RATED SWITCH FOR EXHAUST FAN CONTROL ADD AREA EXHAUST FAN CONTROL. COORDINATE WITH MECHANICAL FOR EXACT LOCATION TO ACCESS CONTROL CIRCUIT FOR EACH EXHAUST FAN.

(13) INSTALL SHUNT-TRIP CONTROL CIRCUIT FROM FROM PANEL K TO THIS J-BOX 1'-0" BELOW CEILING GRID. MICRO-SWITCH AND INTERLOCKING CONDUIT AND CONDUCTORS TO FIRE SUPPRESSION SYSTEM BY MECHANICAL/PLUMBING.

(14) INSTALL (1) MOTOR RATED SWITCH AND (1) SINGLE POLE SWITCH IN TWO GANG BOX. INSTALL CONDUIT AND CONDUCTORS FROM EACH SWITCH TO PREWIRED J BOX ON HOOD. CONNECT MOTOR RATED SWITCH TO CONTROL EXHAUST HOOD VENTILATION FAN. CONNECT SINGLE POLE SWITCH TO CONTROL PREWIRED LIGHTS OF EXHAUST HOOD.

CONTRACTOR MUST TEST PA, FIRE ALARM, IT, SECURITY AND OTHER RELEVANT SYSTEMS PRIOR TO ANY DEMOLITION WORK. IF ANY OF THE SYSTEMS ARE FOUND TO BE NOT OPERATIONAL, CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER. ANY SYSTEM FOUND TO BE NOT OPERATIONAL AFTER THE START OF THE DEMOLITION WORK WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AT NO ADDITIONAL COST TO DISD.

COMM. NO. 1288
DATE 11/11/24
DRAWN RLT
CHECKED RTY

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

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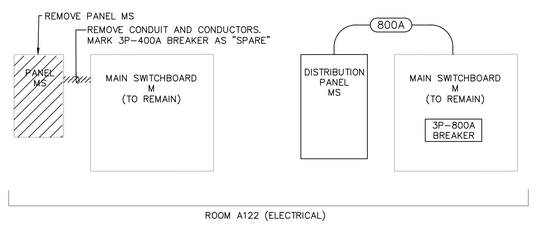
ENLARGED FIRST LEVEL FLOOR PLAN - KITCHEN POWER - ELECTRICAL

E-8

FEEDER SCHEDULE

AMPS	SIZE DESCRIPTION
800A	(2) 4"C WITH (4) 600 KCMIL, #1/0G IN EACH

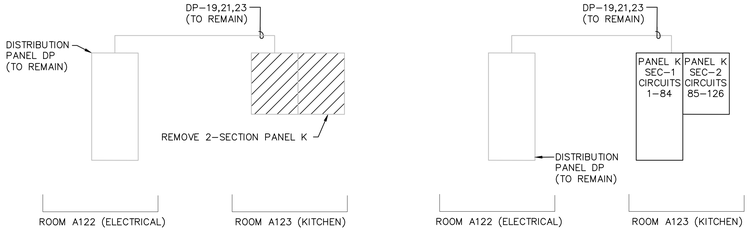
NOTES: * DENOTES ADJUSTMENT FOR VOLTAGE DROP (LESS THAN 2%). VERIFY AFTER FINAL LENGTH IS DETERMINED.



PANEL MS DEMOLITION

DISTRIBUTION PANEL MS

NOTES:
REPLACE PANEL MS WITH AN 800A, 480V, 3P4W, 42 CIRCUIT, MLO DISTRIBUTION PANEL. INSTALL 3P-800A BREAKER IN MAIN SWITCHBOARD M TO FACILITATE NEW FEEDER CONDUCTORS TO REPLACEMENT DISTRIBUTION PANEL MS. INCLUDE BREAKER MOUNTING HARDWARE AND APPROPRIATE BREAKER COVER FOR MAIN SWITCHBOARD M. REPLACE FEEDER CONDUIT AND CONDUCTORS FROM SAID MAIN SWITCHBOARD M FEEDER BREAKER TO REPLACEMENT DISTRIBUTION PANEL MS. ALSO INCLUDE CIRCUIT BREAKERS IN REPLACEMENT PANEL MS TO MATCH EXISTING CIRCUIT LOADS AS WELL AS CIRCUIT LOADS ADDED IN THIS PROJECT (IE. UH-1, UH-2, DH-1 ETC.). RECONNECT CIRCUIT CONDUCTORS OF EXISTING LOADS FROM REMOVED PANEL MS.



PANEL K DEMOLITION

NOTES:
1. REINSTALL EXISTING CIRCUIT CONDUCTORS AS FOLLOWS:
   - EXISTING CIRCUIT CONDUCTORS PREVIOUSLY TERMINATED ON BREAKERS 1 THRU 42 SHALL BE TERMINATED TO THE SAME BREAKER POSITION IN NEW PANEL.
   - EXISTING CIRCUIT CONDUCTORS PREVIOUSLY TERMINATED ON BREAKERS 43 THROUGH 84 SHALL BE TERMINATED TO NEW BREAKER POSITIONS 85 THROUGH 126 IN NEW PANEL.
   - NEW ELECTRICAL DEVICES AND KITCHEN EQUIPMENT REQUIRING NEW CIRCUIT CONDUIT AND CONDUCTORS SHALL UTILIZE BREAKER POSITIONS 43 THRU 84.

PANEL K INSTALLATION

PANEL MS (EXISTING)
V(L-L) PHASE 3 BUS 400 A SECTION 1 OF 1
V(L-N) WIRE 4 MLO 22,000 A.I.C SURFACE MOUNTED

DESCRIPTION	LOAD (KVA)	BKR POLES	BKR AMPS	CKT #	CKT #	BKR POLES	BKR AMPS	LOAD (KVA)	DESCRIPTION
(EXISTING LOAD)		1	-	1	2	1	-		SPACE
		-	-	3	4	1	-		(EXISTING LOAD)
		-	-	5	6	1	-		SPACE
SPACE		1	-	7	8	1	-		SPACE
(EXISTING LOAD)		1	-	9	10	1	-		(EXISTING LOAD)
SPACE		1	-	11	12	1	-		SPACE
SPACE		1	-	13	14	1	-		SPACE
(EXISTING LOAD)		1	-	15	16	1	-		(EXISTING LOAD)
SPACE		1	-	17	18	1	-		SPACE
(EXISTING LOAD)		1	-	19	20	3	200		PANEL HA
		-	-	21	22		-		-
SPACE		1	-	23	24		-		-

	CONN. LOAD (KVA)	N.E.C. MULT. (KVA)
LIGHTING		
MOTOR		
HEATING		
KITCHEN		
RECEPTACLE		
MISCELLANEOUS		
SPARE		
TOTAL		

#DIV/0! CONN. LOAD (AMPS)
#DIV/0! N.E.C. MULT. (AMPS)
#DIV/0! PERCENT SPARE
1.00 KITCHEN MULTIPLIER
1.00 MISC. MULTIPLIER

REMOVE THIS PANEL

DISTRIBUTION PANEL MS
V(L-L) 480 PHASE 3 CKT BKR TYPE
V(L-N) 277 WIRE 4 MLO
MLO (A) 800 600 SURFACE MOUNTED
65,000

CKT #	DESCRIPTION	LOAD (KVA)	BKR POLES	FRAME AMPS	TRIP AMPS
1	(EXISTING LOAD)		3		
2	-		1		-
3	-		1		-
4	(EXISTING LOAD)		1		
5	(EXISTING LOAD)		1		
6	(EXISTING LOAD)		1		
7	(EXISTING LOAD)		2		
8	-		-		-
9	ELECTRIC UNIT HEATER "UH-1"	50	3	225	150
10	ELECTRIC UNIT HEATER "UH-2"	100	3	400	300
11	ELECTRIC DUCT HEATER "DH-1"	78	3	225	200
12	SPARE		3	100	100
13	SPARE		3	100	100
14	SPARE		3	225	225
15	SPACE				
16	SPACE				
17	SPACE				
18	SPACE				
19	SPACE				

	CONN. LOAD (KVA)	N.E.C. MULT. (KVA)
LIGHTING		
MOTOR	228	253
HEATING		
KITCHEN		
RECEPTACLE		
MISCELLANEOUS		
SPARE		
TOTAL	228	253

CONNECTED
274 LOAD (AMPS)
304 NEC MULT (AMPS)
PERCENT SPARE
1.00 KIT. MULTIPLIER
1.00 MISC. MULTIPLIER

PANEL K (EXISTING)
V(L-L) 208 PHASE 3 BUS 400 A 2 SECTION
V(L-N) 120 WIRE 4 MLO 22,000 A.I.C SURFACE MOUNTED

DESCRIPTION	LOAD (KVA)	BKR POLES	BKR AMPS	CKT #	CKT #	BKR POLES	BKR AMPS	LOAD (KVA)	DESCRIPTION
(EXISTING LOAD)		1		1	2	1			(EXISTING LOAD)
(EXISTING LOAD)				3	4	1			(EXISTING LOAD)
(EXISTING LOAD)		1		5	6	1			(EXISTING LOAD)
(EXISTING LOAD)		1		7	8				(EXISTING LOAD)
(EXISTING LOAD)		1		9	10	1			(EXISTING LOAD)
(EXISTING LOAD)		1		11	12	1			(EXISTING LOAD)
(EXISTING LOAD)		1		13	14	1			(EXISTING LOAD)
(EXISTING LOAD)		1		15	16	1			(EXISTING LOAD)
(EXISTING LOAD)		1		17	18	1			(EXISTING LOAD)
(EXISTING LOAD)		1		19	20	1			(EXISTING LOAD)
(EXISTING LOAD)				21	22	1			(EXISTING LOAD)
(EXISTING LOAD)		1		23	24	1			(EXISTING LOAD)
(EXISTING LOAD)		1		25	26				(EXISTING LOAD)
(EXISTING LOAD)		1		27	28	1			(EXISTING LOAD)
(EXISTING LOAD)		1		29	30	1			(EXISTING LOAD)
(EXISTING LOAD)				31	32	1			(EXISTING LOAD)
(EXISTING LOAD)		1		33	34				(EXISTING LOAD)
(EXISTING LOAD)		1		35	36	1			(EXISTING LOAD)
(EXISTING LOAD)		1		37	38	1			(EXISTING LOAD)
(EXISTING LOAD)				39	40	1			(EXISTING LOAD)
(EXISTING LOAD)		1		41	42				(EXISTING LOAD)
DESCRIPTION	LOAD (KVA)	BKR POLES	BKR AMPS	CKT #	CKT #	BKR POLES	BKR AMPS	LOAD (KVA)	DESCRIPTION
(EXISTING LOAD)		1		43	44	1			(EXISTING LOAD)
(EXISTING LOAD)				45	46	1			(EXISTING LOAD)
(EXISTING LOAD)		1		47	48	1			(EXISTING LOAD)
(EXISTING LOAD)		1		49	50	1			(EXISTING LOAD)
(EXISTING LOAD)		1		51	52	1			(EXISTING LOAD)
(EXISTING LOAD)				53	54	1			(EXISTING LOAD)
(EXISTING LOAD)		1		55	56	1			(EXISTING LOAD)
(EXISTING LOAD)		1		57	58	1			(EXISTING LOAD)
(EXISTING LOAD)		1		59	60	1			(EXISTING LOAD)
(EXISTING LOAD)		1		61	62	1			(EXISTING LOAD)
(EXISTING LOAD)		1		63	64	1			(EXISTING LOAD)
(EXISTING LOAD)		1		65	66	1			(EXISTING LOAD)
(EXISTING LOAD)		1		67	68	1			(EXISTING LOAD)
(EXISTING LOAD)		1		69	70	1			(EXISTING LOAD)
(EXISTING LOAD)		1		71	72	1			(EXISTING LOAD)
(EXISTING LOAD)		1		73	74	1			(EXISTING LOAD)
(EXISTING LOAD)		1		75	76	1			(EXISTING LOAD)
(EXISTING LOAD)		1		77	78	1			(EXISTING LOAD)
(EXISTING LOAD)		1		79	80	1			(EXISTING LOAD)
(EXISTING LOAD)		1		81	82	1			(EXISTING LOAD)
(EXISTING LOAD)		1		83	84	1			(EXISTING LOAD)

	CONN. LOAD (KVA)	N.E.C. MULT. (KVA)
LIGHTING		
MOTOR		
HEATING		
KITCHEN		
RECEPTACLE		
MISCELLANEOUS		
SPARE		
TOTAL		

CONN. LOAD (AMPS)
N.E.C. MULT. (AMPS)
#DIV/0! PERCENT SPARE
1.00 KITCHEN MULTIPLIER
1.00 MISC. MULTIPLIER

REMOVE THIS PANEL

PANEL K
V(L-L) 208 PHASE 3 BUS 400 A SECTION 1 OF 3
V(L-N) 120 WIRE 4 MCB 225 A 22,000 A.I.C SURFACE MOUNTED

DESCRIPTION	LOAD (KVA)	BKR POLES	BKR AMPS	CKT #	CKT #	BKR POLES	BKR AMPS	LOAD (KVA)	DESCRIPTION
WALK-IN FREEZER	2.3	3	20	1	2	1	20	0.4	WALK-IN FRZ LIGHT S
-		-		3	4	1	20	0.9	FZR DOOR,HTR,VENT
-		-		5	6	2	20	1.7	FZR BLOWER & HTRS
WALK-IN COOLER	2.0	3	20	7	8	-			-
-		-		9	10	1	20	0.2	COOLR BLOWER,COIL
-		-		11	12	1	20	0.6	COOLR JAMB HTR
INSECT FAN	0.7	1	20	13	14	1	20	0.3	COOLR LIGHTS
3-COMPNT. SINK	7.0	3	30	15	16	2	30	4.8	CLOTHES DRYER
-		-		17	18	-			-
-		-		19	20	1	20	1.5	30 QT. MIXER
POT/PAN COLLECT RK	1.0	3	20	21	22	1	20	1.6	ICE MACHINE
-		-		23	24	1	20	1.3	MOBILE PROOFER
-		-		25	26	1	20	1.4	CLOTHES WASHING
TILT SKILLET	1.0	1	20	27	28	2	20	1.3	PASS-THRU CABINET
DOUBLE STK STEAMR	1.4	1	20	29	30	-			-
DOUBLE STK STEAMR	1.4	1	20	31	32	1	20	0.8	DOUBLE CONV. OVEN
PASS-THRU REFRIFE.	0.8	1	20	33	34	1	20	0.8	DOUBLE CONV. OVEN
HOT WELL COUNTER	4.5	3	20	35	36	3	20	1.6	FROST /HOT TOP
-		-		37	38	-			-
-		-		39	40	-			-
3-SEC. REFRIGERATR.	0.9	1	20	41	42	1	20	0.6	FROST TOP COUNTR
DESCRIPTION	LOAD (KVA)	BKR POLES	BKR AMPS	CKT #	CKT #	BKR POLES	BKR AMPS	LOAD (KVA)	DESCRIPTION
EXH HOOD FANS/LTS	1.6	1	20	43	44	1	20	1.6	MONITOR LOCATIONS
MILK CABINET	0.8	1	20	45	46	1	20	1.6	KITCHEN RECEPTS.
KITCHEN RECEPTS.	1.6	1	20	47	48	1	20	1.6	BREAKRM RECPTS.
KITCHEN RECEPTS.	1.6	1	20	49	50	1	20		SPARE
SPARE		1	20	51	52	1	20		SPARE
SPARE		1	20	53	54	1	20		SPARE
SPARE		1	20	55	56	1	20		SPARE
SPARE		1	20	57	58	1	20		SPARE
SPARE		1	20	59	60	1	20		SPARE
SPARE		1	20	61	62	1	20		SPARE
SPARE		1	20	63	64	1	20		SPARE
SPARE		1	20	65	66	1	20		SPARE
EXISTING LOAD		1	20	67	68	1	20		EXISTING LOAD
EXISTING LOAD		1	20	69	70	1	20		EXISTING LOAD
EXISTING LOAD		1	20	71	72	1	20		EXISTING LOAD
EXISTING LOAD		1	20	73	74	1	20		EXISTING LOAD
EXISTING LOAD		1	20	75	76	1	20		EXISTING LOAD
EXISTING LOAD		1	20	77	78	1	20		EXISTING LOAD
EXISTING LOAD		1	20	79	80	1	20		EXISTING LOAD
EXISTING LOAD		1	20	81	82	1	20		EXISTING LOAD
EXISTING LOAD		1	20	83	84	1	20		EXISTING LOAD
DESCRIPTION	LOAD (KVA)	BKR POLES	BKR AMPS	CKT #	CKT #	BKR POLES	BKR AMPS	LOAD (KVA)	DESCRIPTION
EXISTING LOAD		1	20	85	86	1	20		EXISTING LOAD
EXISTING LOAD		1	20	87	88	1	20		EXISTING LOAD
EXISTING LOAD		1	20	89	90	1	20		EXISTING LOAD
EXISTING LOAD		1	20	91	92	1	20		EXISTING LOAD
EXISTING LOAD		1	20	93	94	1	20		EXISTING LOAD
EXISTING LOAD		1	20	95	96	1	20		EXISTING LOAD
EXISTING LOAD		1	20	97	98	1	20		EXISTING LOAD
EXISTING LOAD		1	20	99	100	1	20		EXISTING LOAD
EXISTING LOAD		1	20	101	102	1	20		EXISTING LOAD
EXISTING LOAD		1	20	103	104	1	20		EXISTING LOAD
EXISTING LOAD		1	20	105	106	1	20		EXISTING LOAD
EXISTING LOAD		1	20	107	108	1	20		EXISTING LOAD
SPARE		1	20	109	110	1	20		SPARE
SPARE		1	20	111	112	1	20		SPARE
SPARE		1	20	113	114	1	20		SPARE
SPARE		1	20	115	116	1	20		SPARE
SPARE		1	20	117	118	1	20		SPARE
SPARE		1	20	119	120	1	20		SPARE
SPARE		1	20	121	122	1	20		SPARE
SPARE		1	20	123	124	1	20		SPARE
SPARE		1	20	125	126	1	20		SPARE

	CONN. LOAD (KVA)	N.E.C. MULT. (KVA)
LIGHTING	1	1
MOTOR	5	6
HEATING	5	6
KITCHEN	29	29
RECEPTACLE	6	6
MISCELLANEOUS	7	7
SPARE		
TOTAL	53	55

146 CONN. LOAD (AMPS)
151 N.E.C. MULT. (AMPS)
PERCENT SPARE
1.00 KITCHEN MULTIPLIER
1.00 MISC. MULTIPLIER

ELECTRIC CHILLER SCHEDULE

EQUIPMENT	VOLTS	AMPS (MCA)	MOCP	CIRCUIT
ACC-1	480/3	486.08	600A	M-13,14,15

NOTES:
1 PROVIDE NEC REQUIRED DISCONNECT.
2 INTEGRAL VFDs FURNISHED WITH UNIT (2 TOTAL).

ELECTRIC DUCT HEATER SCHEDULE

EQUIPMENT	VOLTS	AMPS	KVA	CIRCUIT
DH-1	480/3	93.82	78	MS-11

NOTES:
1 PROVIDE NEC REQUIRED DISCONNECT.
2 FAN SPEED CONTROLLER IS FURNISHED WITH UNIT.

ELECTRIC UNIT HEATER SCHEDULE

EQUIPMENT	VOLTS	AMPS	MOCP	CIRCUIT
CUH-1	208/3	6	2	DP-12,14,16
UH-1	480/3	60.3	80A	MS-9
UH-2	480/3	120.4	175A	MS-10

NOTES:
1 PROVIDE NEC REQUIRED DISCONNECT.
2 FAN SPEED CONTROLLER IS FURNISHED WITH UNIT.

ELECTRIC EXHAUST FAN SCHEDULE

ADD ALT. 3
ADD ALT. 3

EQUIPMENT	VOLTS/PHASE	HP	AMPS
EF-1	120/1	0.125	1.1*
EF-2	120/1	0.25	2.2*
EF-3	120/1	0.25	2.2*
EF-4	120/1	0.125	1.1*
EF-5	120/1	0.05	0.065*
EF-6	120/1	0.05	0.065*
EF-7	120/1	0.125	1.1*
EF-8	480/3	1	2.3*
EF-9	480/3	1	2.3*
EF-10	120/1	0.036	>.05*
EF-11	120/1	0.125	1.1*
EF-12	480/3	1.5	3.2*
EF-13	120/1	0.04	>.05*
EF-14	120/1	0.75	6.4*
EF-15	120/1	0.0125	>.05*

NOTES:
1 PROVIDE NEC REQUIRED DISCONNECT.
2 FAN SPEED CONTROLLER IS FURNISHED WITH UNIT.
3 AMPERAGE BASED ON NFPA 70, NEC TABLE 430.250

COMM. NO. 1288
DATE 11/11/24
DRAWN RLT
CHECKED RTY

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY
ONE INCH
REVISIONS:

YAGGI ENGINEERING, INC.
CONSULTING • ENGINEERS
5400 W. INTERSTATE 20 SUITE 270
ARLINGTON, TEXAS 76017 817-483-2373
TEXAS REGISTRATION #F-9622
YE PROJECT 2345.00

STATE OF TEXAS R. TIM YAGGI 57030 REGISTERED PROFESSIONAL ENGINEER 11/11/2024

100% CD ISSUED FOR BID 11/11/2024

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DALLAS INDEPENDENT SCHOOL DISTRICT
DISD JAMES BOWIE ELEMENTARY SCHOOL RENOVATION
330 NORTH MARSALIS AVE, DALLAS, TX 75203

SCHEDULES AND ONE-LINE DIAGRAMS

E-9

EXTERIOR SITE LIGHTING CONTROL SCHEDULE

ZONE	TIMECLOCK	PHOTOCELL	HOA SWITCH	CONTACTOR		
				CONTACTOR NO.	RATING	CIRCUITS
PARKING LOT FIXTURE TYPE X	TC-1	PC-1	1	C1	2P-30A	REUSE EXISTING
ENTRY DRIVE FIXTURE TYPE Y	TC-1	PC-1	2	C2	2P-30A	REUSE EXISTING
WALL TYPE WA	TC-1	PC-1	3	C3	2P-30A	REUSE EXISTING
WALL TYPE WB	TC-1	PC-1	4	C4	2P-30A	REUSE EXISTING
WALL TYPE WF	TC-1	PC-1	5	C5	2P-30A	REUSE EXISTING

NOTES:

1. PROVIDE AUXILIARY RELAYS AS REQUIRED FOR 2-WIRE CONTROL.
2. CONTACTORS AND HOA SWITCHES SHALL BE LOCATED IN NEMA 1 ENCLOSURE IN MAIN ELECTRICAL ROOM.
3. PHOTOCELL SHALL BE INSTALLED ON BUILDING FACING NORTH.
4. PROVIDE PHOTOCELL-ON, PHOTOCELL-OFF CONTROL AND HOA SWITCH FOR HAND (BY-PASS ON)/OFF/AUTO OPERATION.

1 EXTERIOR LIGHING CONTROL SCHEDULE
NOT TO SCALE

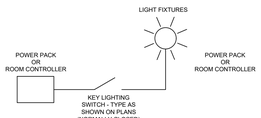
LIGHTING CONTROL SCHEDULE

LIGHTING CONTROL TYPE/DETAIL	ROOM	DESIGN FOOTCANDLE LEVEL	VACANCY SENSORS	OCCUPANCY SENSORS	POWER PACK OR ROOM CONTROLLER	KEYED SWITCH	ON FUNCTION	OFF FUNCTION	ZONE 1	ZONE 2	ZONE 3	ZONE 4	NOTES
1	MENS	20		X	X	X	AUTO	AUTO (20 MIN)/MANUAL	ALL FIXTURES				KEY SWITCH MANUAL OVERRIDE OFF (NORMALLY ON). KEY SWITCH WIRED BETWEEN POWER PACK AND FIXTURES.
	WOMENS	20		X	X	X	AUTO	AUTO (20 MIN)/MANUAL	ALL FIXTURES				
	BOYS	20		X	X	X	AUTO	AUTO (20 MIN)/MANUAL	ALL FIXTURES				
	GIRLS	20		X	X	X	AUTO	AUTO (20 MIN)/MANUAL	ALL FIXTURES				
1A	VESTIBULE	30		X	X		AUTO	AUTO (20 MIN)/MANUAL	ALL FIXTURES				PROVIDE AUTOMATIC CONTROL OF DAYLIGHTING ZONES WHERE SHOWN ON PLANS
	CORRIDOR	30		X	X		AUTO	AUTO (20 MIN)/MANUAL	ALL FIXTURES				
1B	RESTROOM AND RR	20		X	X		AUTO	AUTO (20 MIN)/MANUAL	ALL FIXTURES				
2	OFFICE	35	X		X		MANUAL	AUTO (20 MIN)/MANUAL	ALL FIXTURES (DIM)				PROVIDE AUTOMATIC CONTROL OF DAYLIGHTING ZONES WHERE SHOWN ON PLANS
	CLINIC	40	X		X		MANUAL	AUTO (20 MIN)/MANUAL	ALL FIXTURES (DIM)				
	CONFERENCE	40	X		X		MANUAL	AUTO (20 MIN)/MANUAL	ALL FIXTURES (DIM)				
	PRINCIPAL	35	X		X		MANUAL	AUTO (20 MIN)/MANUAL	ALL FIXTURES (DIM)				
	WORK ROOM	50	X		X		MANUAL	AUTO (20 MIN)/MANUAL	ALL FIXTURES (DIM)				
	STAFF LOUNGE	40	X		X		MANUAL	AUTO (20 MIN)/MANUAL	ALL FIXTURES (DIM)				
	TELECOM	50	X		X		MANUAL	AUTO (20 MIN)/MANUAL	ALL FIXTURES (DIM)				
	COMPUTER	50	X		X		MANUAL	AUTO (20 MIN)/MANUAL	ALL FIXTURES (DIM)				
	LOCKER	40	X		X		MANUAL	AUTO (20 MIN)/MANUAL	ALL FIXTURES (DIM)				
	MUSIC	50	X		X		MANUAL	AUTO (20 MIN)/MANUAL	ALL FIXTURES (DIM)				
	BREAK ROOM	50	X		X		MANUAL	AUTO (20 MIN)/MANUAL	ALL FIXTURES (DIM)				
	COUNSELOR	40	X		X		MANUAL	AUTO (20 MIN)/MANUAL	ALL FIXTURES (DIM)				
	LAB	50	X		X		MANUAL	AUTO (20 MIN)/MANUAL	ALL FIXTURES (DIM)				
	SPEECH	40	X		X		MANUAL	AUTO (20 MIN)/MANUAL	ALL FIXTURES (DIM)				
3	JANITOR	30	X		X		MANUAL	AUTO (20 MIN)/MANUAL	ALL FIXTURES				
	CUSTODIAL	30	X		X		MANUAL	AUTO (20 MIN)/MANUAL	ALL FIXTURES				
	TOILET (NDIVIDUAL RESTROOMS)	20	X		X		MANUAL	AUTO (20 MIN)/MANUAL	ALL FIXTURES				
	STORAGE	30	X		X		MANUAL	AUTO (20 MIN)/MANUAL	ALL FIXTURES				
4	CLASSROOM	60	X		X		AUTO/MANUAL	AUTO (20 MIN)/MANUAL	ROW OF FIXTURES NEAREST TEACHING WALL (DIM)	REMAINING FIXTURES (DIM) (A/V MODE)			PROVIDE AUTOMATIC CONTROL OF DAYLIGHTING WHERE SHOWN ON PLANS
	RECEPTION	50		X	X		AUTO/MANUAL	AUTO (20 MIN)/MANUAL	ALL FIXTURES (DIM)				
	MEDIA	50	X		X		AUTO/MANUAL	AUTO (20 MIN)/MANUAL	ROW OF FIXTURES NEAREST TEACHING WALL (DIM)	REMAINING FIXTURES (DIM) (A/V MODE)			
MANUAL SWITCHES	ELEVATOR PIT	30					MANUAL	MANUAL	ALL FIXTURES				
	MECHANICAL	30					MANUAL	MANUAL	ALL FIXTURES				
	ELECTRICAL	30					MANUAL	MANUAL	ALL FIXTURES				
	STAIRS NON SWITCHED	30					MANUAL	MANUAL	EVERY OTHER FIXTURE AS NOTED ON PLANS AND TYPE F FIXTURES				

NOTES:

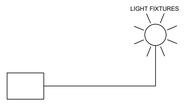
1. THIS CONTROL SCHEDULE INCLUDES TYPICAL ROOMS AND DOES NOT INCLUDE ALL SPACES TO BE CONTROLLED BY LOW VOLTAGE LIGHTING CONTROL SYSTEMS. ALL SPACES IN BUILDING SHALL BE CONTROLLED BY LIGHTING CONTROL SYSTEMS EXCEPT ROOMS SPECIFICALLY LISTED AS "MANUAL SWITCH(ES) TYPE". INCLUDE ALL BUILDING SPACES EVEN THOUGH NOT NECESSARILY INCLUDED IN THIS SCHEDULE.
2. "ALL FIXTURES" DENOTES THAT ALL FIXTURES IN ROOM SHALL BE CONTROLLED.
3. VARIOUS ROOM TYPES ARE TYPICAL. REFER TO FLOOR PLANS FOR QUANTITY OF ROOMS.
4. REFER TO FLOOR PLANS FOR QUANTITY OF LOW VOLTAGE CONTROL STATIONS.
5. PROVIDE QUANTITY OF SENSORS TO ACHIEVE 100% ROOM COVERAGE FOR ROOMS WITH VACANCY/OCCUPANCY SENSORS.
6. SUBMIT PHOTOMETRIC CALCULATIONS FOR ALL INTERIOR AND EXTERIOR SPACES. INCLUDE IN FIXTURE SUBMITTALS.

2 INTERIOR LIGHING CONTROL SCHEDULE
NOT TO SCALE



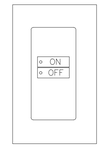
LIGHTING CONTROL DETAIL (TYPE 1)
NOT TO SCALE

NOTE:
OCCUPANCY SENSOR CONTROLLED



LIGHTING CONTROL DETAIL (TYPE 1A)
NOT TO SCALE

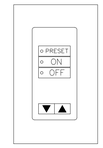
NOTE:
OCCUPANCY SENSOR CONTROLLED



2-BUTTON SCENE

LIGHTING CONTROL DETAIL (TYPE 1B)
NOT TO SCALE

NOTE:
OCCUPANCY SENSOR CONTROLLED

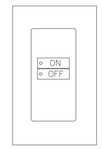


3-BUTTON SCENE
SELECT WITH RAISE/LOWER

LIGHTING CONTROL DETAIL (TYPE 2)
NOT TO SCALE

NOTE:
VACANCY OR OCCUPANCY SENSOR CONTROLLED AS NOTED.

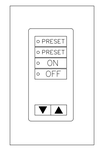
PRESET 1 – ALL FIXTURES DIMMED TO 50%



2-BUTTON SCENE

LIGHTING CONTROL DETAIL (TYPE 3)
NOT TO SCALE

NOTE:
VACANCY SENSOR CONTROLLED



4-BUTTON SCENE
SELECT WITH RAISE/LOWER

LIGHTING CONTROL DETAIL (TYPE 4)
NOT TO SCALE

NOTE:
VACANCY OR OCCUPANCY SENSOR CONTROLLED AS NOTED.

PRESET 1 – ALL FIXTURES DIMMED TO 50%
PRESET 2 – SCENE DESIGNATED BY OWNER

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	MOUNTING	LED	VOLTAGE
FA	2x4 EDGE LIT FLAT PANEL, 0-10V DIMMING, SCRACH AND IMPACT RESISTANT LENS, EQUAL TO METALUX 24FP LED SERIES	RECESSED LAY-IN	41.4 WATTS 4591 LUMENS 4000K, 80CRI	MVOLT
FA1	SAME AS FIXTURE TYPE FA. INCLUDE PROTECTIVE WIRE GUARD.	RECESSED LAY-IN	41.4 WATTS 4591 LUMENS 4000K, 80CRI	MVOLT
FB	2x2 EDGE LIT FLAT PANEL, 0-10V DIMMING, SCRACH AND IMPACT RESISTANT LENS, EQUAL TO METALUX 22FP LED SERIES	RECESSED LAY-IN	29.2 WATTS 3333 LUMENS 4000K, 80CRI	MVOLT
C	COVE LIGHTING FIXTURE, 4'-0" LONG, WRAPAROUND, HIGH EFFICIENCY, SQUARE SMOOTH LENS, EQUAL TO LITHONIA LIGHTING BLWP SERIES	SURFACE	35 WATTS, 4027 LUMENS 4000K, 80 CRI	MVOLT
C2	SAME AS "TYPE C" WITH 24" (2'-0") LENGTH	SURFACE	30 WATTS, 4000 LUMENS 4000K, 80 CRI	MVOLT
C8	SAME AS "TYPE C" WITH 96" (8'-0") LENGTH	SURFACE	63 WATTS, 8035 LUMENS 4000K, 80 CRI	MVOLT
WB	WALL SCONCE FIXTURE, UP LIGHTING AND DOWN LIGHTING, WET LOCATION, BLACK FINISH, EQUAL TO ASTORIA EW60210 SERIES	SURFACE MOUNT TO SIDE OF BUILDING	26 WATT LED 2000 LUMENS, 4000K, 80 CRI	MVOLT
W2	CANOPY LED LIGHT, OUTDOOR RATED, LOW PROFILE, FIELD ADJUSTABLE WATTAGE AND COLOR TEMPERATURE, LIGHTLY DIFUSED LENS TO REDUCE PIXILATION AND GLARE. WHITE OR DARK BRONZE HOUSING (COLOR CHOICE BY ARCHITECT/OWNER), TYPE 5 DISTRIBUTION. EQUAL TO CURRENT EXO SGC SLING SERIES	CEILING SURFACE MOUNT	40 WATT LED 5750 LUMENS, 4000K, 70 CRI	MVOLT
X	PARKING LOT FIXTURE: LUMINAIRE WITH MICRO STRIKE 320 OPTICS, INTEGRAL SURGE SUPPRESSION DEVICE, FIELD ROTATABLE OPTICS, UL 1598 WET LOCATION LISTED, DIE-CAST ALUMINUM HOUSING, BRONZE, SIZE 2, TYPE 4 FORWARD THROW DISTRIBUTION. EQUAL TO HUBBELL/CURRENT BEACON VIPER SERIES. INCLUDE SLIP FITTER MOUNTING TO MOUNT FIXTURES ON EXISTING "BULL HORN X" SUPPORT ON TOP OF EXISTING POLE. (4 FIXTURES PER POLE)	SLIP FITTER MOUNT ON TOP OF EXISTING 30' POLE	150W 21000 LUMENS 4000K, 70 CRI	120-277V (UNV)
EXIT	HIGH-IMPACT, WITH EMERGENCY BATTERY PACK, INJECTION MOLDED HOUSING, RED LETTERS, SINGLE OR DUAL SIDED (REFER DRAWINGS), EQUAL TO ORION HARRIS	UNIVERSAL REFER TO DRAWINGS	3.2 WATTS RED	MVOLT
BUG EYE	LITHONIA EU2C WITH EMERGENCY BATTERY PACK FOR EMERGENCY EGRESS PER DISD TDG.	WALL	2 WATTS	MVOLT

NOTES:

1. VERIFY EXACT LOCATION, MOUNTING, AND METHOD OF INSTALLATION FOR ALL LIGHTING FIXTURES WITH ARCHITECT PRIOR TO ROUGH-IN.
2. FIXTURE COLORS AND FINISHES SHALL BE AS SELECTED BY ARCHITECT.

3 LIGHT FIXTURE SCHEDULE
NOT TO SCALE

COMM. NO. 1288
DATE 11/11/24
DRAWN RLT
CHECKED RTY

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

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REGISTERED PROFESSIONAL ENGINEER
11/11/2024

100% CD ISSUED FOR BID 11/11/2024

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DISD JAMES BOWIE ELEMENTARY SCHOOL RENOVATION
330 NORTH MARSALIS AVE, DALLAS, TX 75203

LIGHTING CONTROL AND FIXTURE SCHEDULES

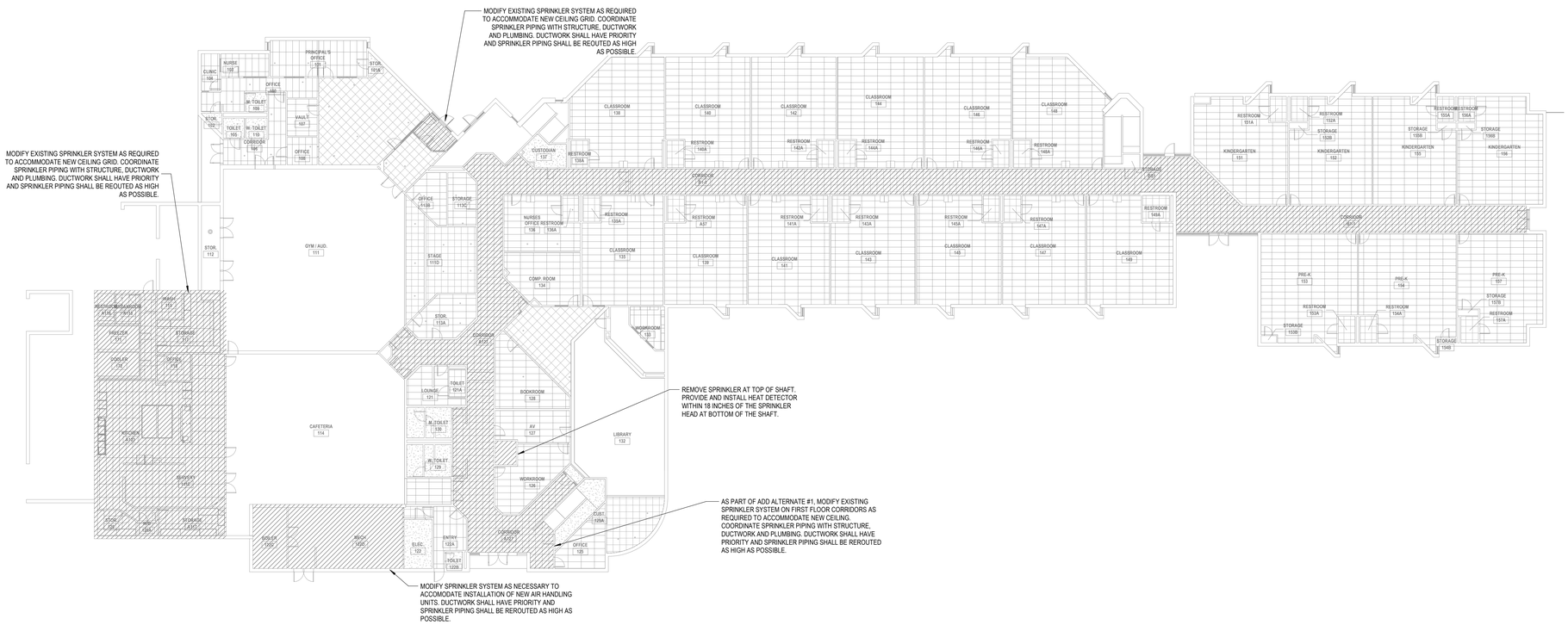
E-10

FIRE PROTECTION LEGEND

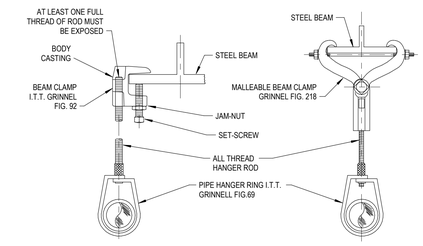
F	FIRE PROTECTION PIPE
	FIRE RISER
	MODIFY EXISTING SPRINKLER SYSTEM TO SERVE THE NEW FLOOR PLAN AND RCP.

FIRE PROTECTION GENERAL NOTES

1. THE WORK COVERED UNDER THIS SECTION CONSISTS OF FURNISHING ALL LABOR, EQUIPMENT, MATERIALS AND PERFORMING ALL OPERATIONS REQUIRED TO PROVIDE COMPLETE, HYDRAULICALLY DESIGNED, AUTOMATIC FIRE SPRINKLER SYSTEM(S) AS SPECIFIED, TO ACCOMODATE RENOVATIONS EFFORT. THE WORK SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
2. THE FIRE PROTECTION SYSTEM SHALL MEET ALL APPLICABLE REQUIREMENTS OF THE CITY FIRE DEPARTMENT. THE SYSTEM SHALL COMPLY WITH ALL APPLICABLE CITY, STATE, AND NATIONAL CODES AND ORDINANCES, AND THE CODES, ORDINANCES AND REGULATIONS OF ALL OTHER RULING AUTHORITIES HAVING JURISDICTION, INCLUDING, BUT NOT LIMITED TO:
   NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS
3. CONTRACTOR SHALL ARRANGE SPRINKLER HEADS REFERENCED TO ROOM CENTERLINES AND AXES TO ESTABLISH A PATTERN COMPLIMENTARY TO THE FINISHED CEILING. COORDINATE EXACT HEAD LOCATION AND PIPE ROUTING WITH THE ARCHITECT PRIOR TO INSTALLATION.
4. SPRINKLER PIPING SHALL BE CONCEALED TO THE EXTENT POSSIBLE IN ALL BUT STRICTLY MECHANICAL UTILITY AREAS. ALL LAYOUTS OF SPRINKLER PIPING SHALL BE REVIEWED BY AND COORDINATED WITH THE ARCHITECT. FINAL APPROVAL OF PIPING LAYOUT, HEAD PLACEMENT, ETC. SHALL BE BY ARCHITECT. ALL EXPOSED PIPING AND FITTINGS SHALL BE PAINTED TO MATCH ADJACENT WALL OR CEILING SURFACE AS DIRECTED BY THE ARCHITECT.
5. SPRINKLER HEADS SHALL BE SEMI-RECESSED TYPE, CHROME FINISH IN AREAS WITH FINISHED CEILINGS WHERE PIPING CAN BE CONCEALED. SPRINKLER HEADS IN UTILITY OR MECHANICAL AREAS SHALL BE STANDARD CHROME FINISH, SIDE WALL, PENDANT OR UPRIGHT HEADS AS REQUIRED.
6. ALL THREADED PIPING SHALL BE SCHEDULE 40 BLACK STEEL. THE MINIMUM THIN WALL PIPING ALLOWED SHALL BE SCHEDULE 30 FOR PIPE UP TO 2" AND SCHEDULE 10 FOR PIPE OVER 2". ALL THIN WALL PIPING SHALL BE JOINED USING ROLLED GROOVES WITH COUPLINGS. IF ALLOWED BY LOCAL CODES, OTHER TYPES OF PIPING MAY BE USED, BUT ONLY THOSE LISTED FOR FIRE SPRINKLER SERVICE.
7. FURNISH AND INSTALL ALL VALVES AND ACCESSORIES REQUIRED BY AUTHORITY HAVING JURISDICTION.
8. SYSTEM TEST AND DRAIN VALVES SHALL BE COORDINATED WITH THE OWNER BY SPECIFICALLY CALLING TO THE OWNER'S ATTENTION THE LOCATION OF THESE SYSTEMS.
9. SYSTEM SHALL BE THOROUGHLY CLEANED BY FLUSHING OUT WITH WATER UNTIL IT IS FREE FROM SAND, OIL, OR OTHER FOREIGN MATTER, PRIOR TO THE INSTALLATION OF HEADS AND ORIFICES.
10. UPON AWARD OF THE CONTRACT FOR THE FIRE PROTECTION SYSTEM, THE CONTRACTOR SHALL PREPARE PRELIMINARY DRAWINGS AND SECURE THE APPROVAL OF THE OWNER AND ARCHITECT. ON APPROVAL OF THE OWNER AND ARCHITECT, THE CONTRACTOR SHALL PREPARE DETAILED WORKING DRAWINGS FOR THE SYSTEM AND SECURE THE APPROVALS OF THE LOCAL FIRE MARSHAL, THE OWNER'S INSURANCE CARRIER, AND ANY OTHER APPROVALS REQUIRED. A COPY OF THE APPROVAL LETTERS SHALL BE DELIVERED TO THE ARCHITECT PRIOR TO COMMENCING WORK.
11. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL PREPARE A LETTER OF GUARANTEE, WHICH SHALL GUARANTEE THE WORK AGAINST DEFECTS IN MATERIALS AND INSTALLATION AS OUTLINED UNDER THE GENERAL CONDITIONS. SECURE THE APPROVAL OR SEAL OF THE STATE RATING BUREAU AND PROVIDE THIS DOCUMENT TO THE ARCHITECT AND THE OWNER.
12. THE FIRE PROTECTION PIPING SYSTEM SHALL BE HYDRAULICALLY CALCULATED BASED UPON 90 PERCENT RESIDUAL PRESSURE AVAILABLE, AS CONFIRMED BY A CONTRACTOR-PROVIDED FLOW TEST AT SITE. THE BUILDING DESIGN HAZARD SHALL BE AS INDICATED ON THE PLANS. THE HYDRAULIC CALCULATIONS SHALL BE BASED UPON THE REQUIREMENTS OF NFPA 13, SPRINKLER SYSTEMS DESIGN CRITERIA FOR THE REQUIRED HAZARD.
13. THE ARCHITECT SHALL HAVE THE FINAL AUTHORITY OVER ROUTING OF SPRINKLER RISER PIPING, SPRINKLER HEAD LOCATIONS, ETC. THE DESIGN OF THE AUTOMATIC FIRE SPRINKLER SYSTEM SHALL BE CAREFULLY COORDINATED WITH THE ARCHITECT PRIOR TO SUBMISSION OF SHOP DRAWINGS AND SYSTEM INSTALLATION.
14. SPRINKLER IN ELEVATOR MACHINE ROOM MUST BE REMOVED AND ONLY A SMOKE DETECTOR BEING INSTALLED.
15. SPRINKLER AT TOP OF THE ELEVAOTR MUST BE COMPLETELY REMOVED AND ONLY A HEAT DETECTOR TO BE INSTALLED AT THE BOTTOM OF THE ELEVATOR SHAFT WITHIN 18 INCHES OF SPRINKLER HEAD.

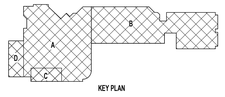


1 OVERALL FIRE PROTECTION PLAN - LEVEL 1 RCP
1/16" = 1'-0"



U.L. APPROVED BEAM CLAMP PIPE HANGERS

2 BEAM CLAMP HANGER
1/8" = 1'-0"



KEY PLAN

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TBPELS Firm #44, #10011300, #10011302, #10194146
BHB PROJECT # 2023.183.000

COMM. NO.	1288
DATE	11/11/2024
DRAWN	RT
CHECKED	ILB

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

OVERALL FIRE PROTECTION PLAN - LEVEL 1 RCP

FP-0.01

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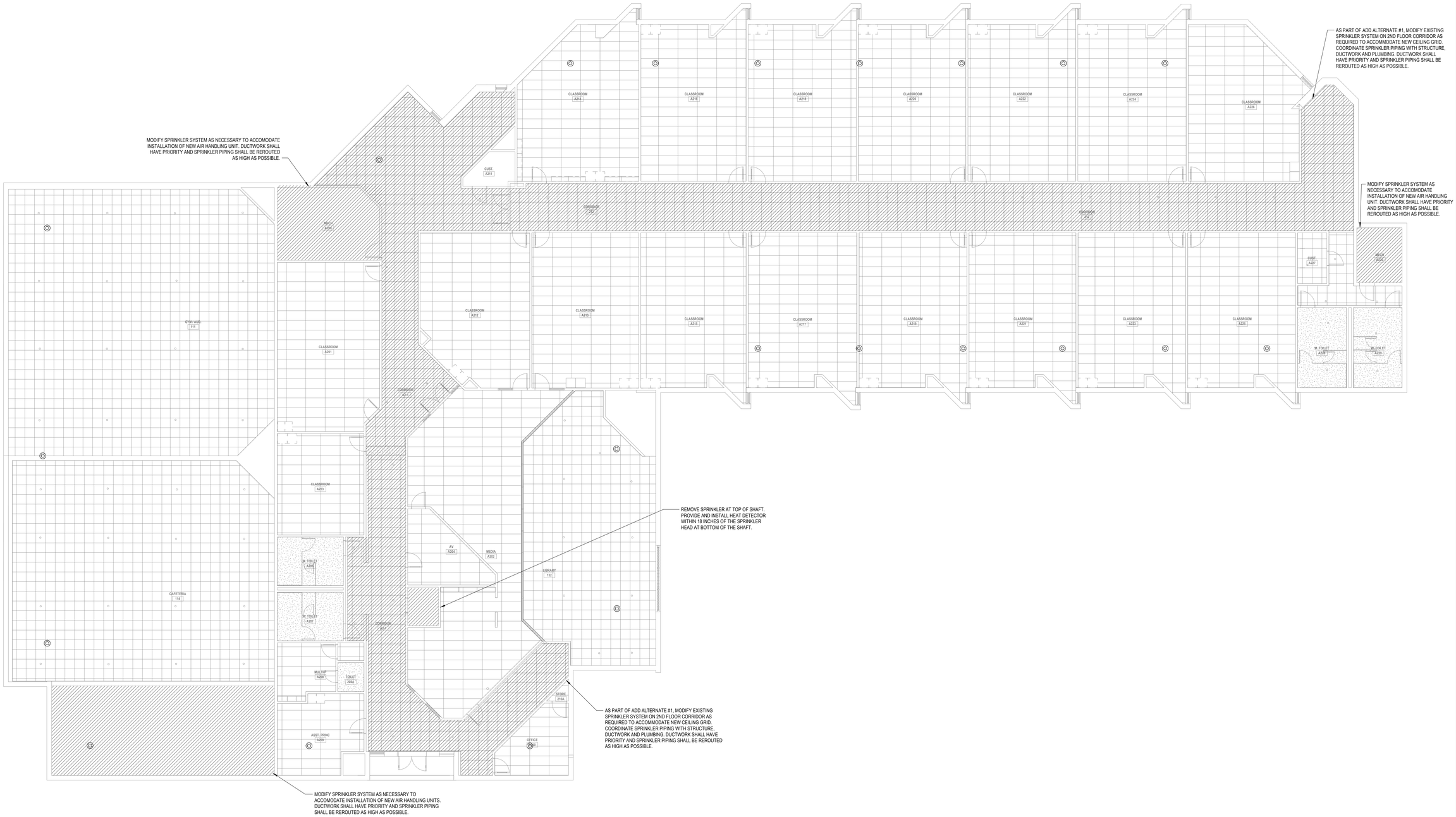
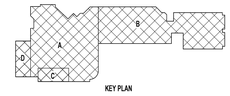


1 OVERALL FIRE PROTECTION PLAN - LEVEL 2 RCP
1/8" = 1'-0"

NORTH



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OVERALL FIRE PROTECTION PLAN - LEVEL 2 RCP

FP-0.02

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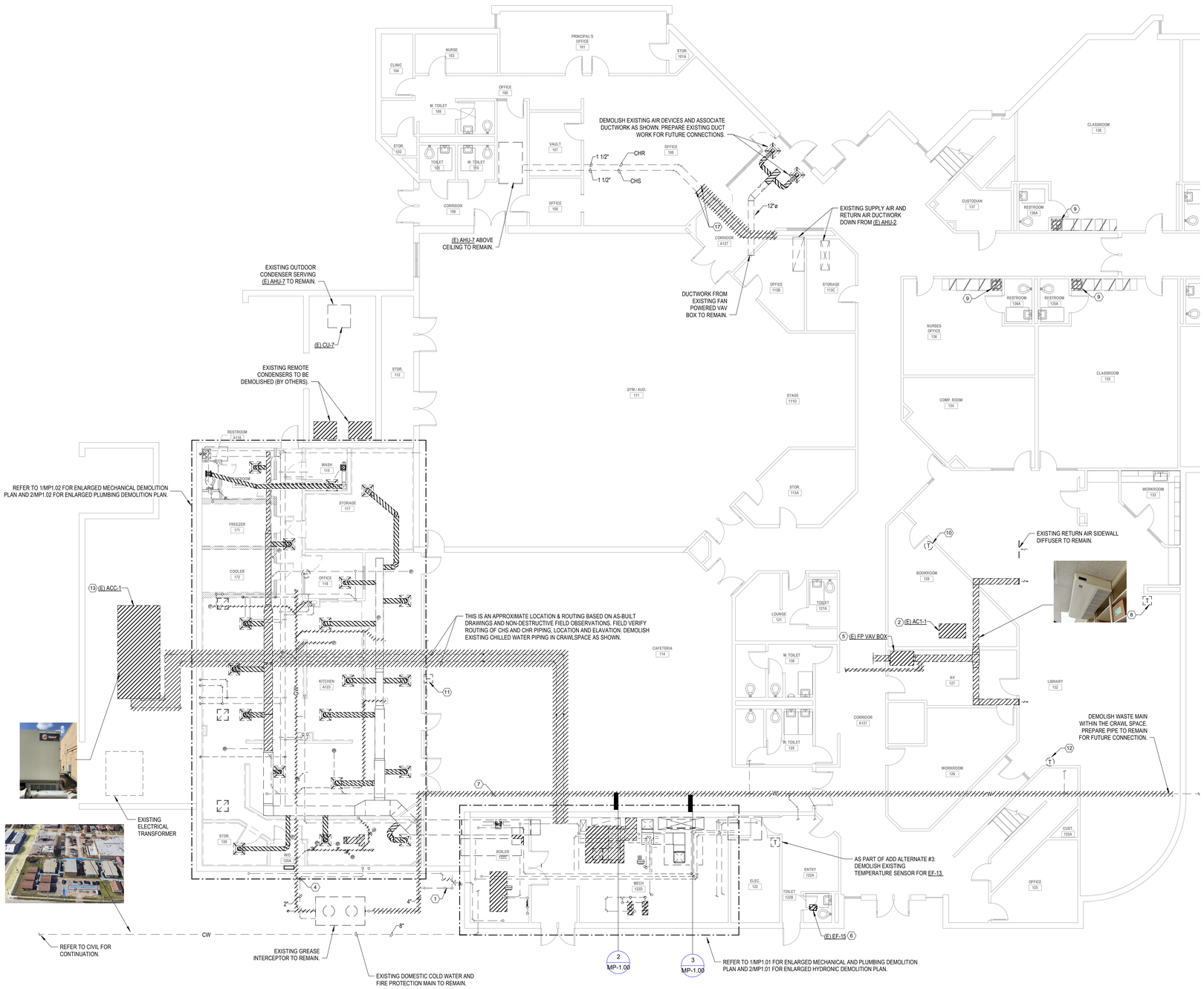
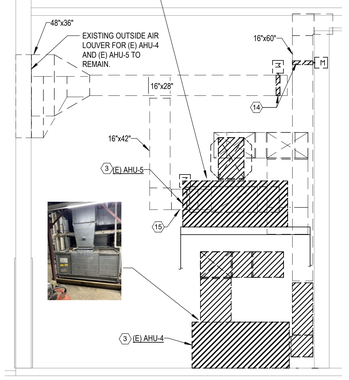
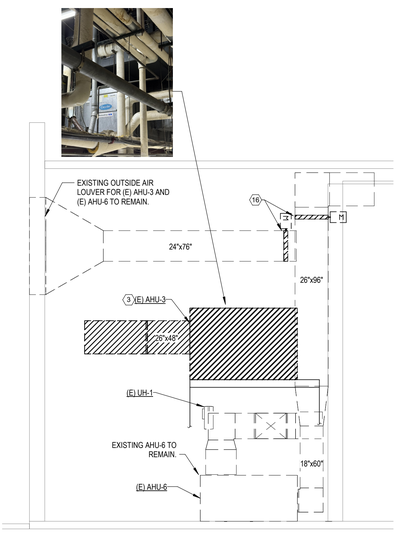


1 MECH/PLBG DEMOLITION PLAN - AREA A - LEVEL 1
1/8" = 1'-0"



2 ELEVATION A
1/4" = 1'-0"



3 ELEVATION B
1/4" = 1'-0"

SHEET NOTES:

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2. CONTRACTOR SHALL HAVE TAB CONTRACTOR MEASURE AND RECORD AIRFLOW (CFM) AT ALL EXISTING AIR DEVICES AND REBLANCE NEW AHUIRTU UNITS AND EXISTING AIR DEVICES TO THE MEASURED AIRFLOWS. TAB CONTRACTOR SHALL RECORD ALL EXISTING AIRFLOWS AND PROVIDE THE RESULTS TO THE OWNER AND DESIGN TEAM.
3. TAB CONTRACTOR SHALL MEASURE THE CHILLED AND HEATING WATER FLOW RATES AT ALL EXISTING AHUS TO REMAIN (AHU-6 AND AHU-7). THE RECORDED INFORMATION SHALL BE PROVIDED TO THE OWNER AND A/E TEAM UPON COMPLETION OF THE NEW WORK. THESE EXISTING UNITS SHALL BE REBALANCED TO EXISTING CONDITIONS.

NOTES BY SYMBOL: "⬡"

1 EXISTING GAS METER TO REMAIN. FIELD VERIFY EXACT LOCATION AND GAS PIPE ROUTING.
2 DEMOLISH EXISTING A/C UNIT AND ASSOCIATED PIPING.
3 DEMOLISH EXISTING AHU AND ASSOCIATED HYDRONIC PIPING AND DUCTWORK CONNECTIONS. PREPARE EXISTING HYDRONIC PIPING AND DUCTWORK TO REMAIN FOR FUTURE CONNECTION. DEMOLISH EXISTING ASSOCIATED CONDENSATE FROM UNIT TO NEARBY EXISTING FLOOR DRAIN.
4 EXISTING VENT PIPING SERVING GREASE INTERCEPTOR TO REMAIN.
5 FIELD VERIFY ROUTING AND DEMOLISH EXISTING VAV-BOX AND ASSOCIATED DUCTWORK, HYDRONIC PIPING, AND AIR DEVICES AS SHOWN. PATCH AND REPAIR EXISTING DUCT MAIN. CAP HEATING WATER PIPING BACK AT TEE.
6 ADD ALTERNATE #3: REPLACE CEILING MOUNTED EXHAUST FAN. REFER TO MP-5.01 FOR SCHEDULE FOR EXHAUST FANS.
7 FIELD VERIFY EXISTING WASTE PIPING ROUTING, SIZE, AND LOCATION. DEMOLISH EXISTING WASTE MAIN PIPING BELOW EXISTING SLAB AND WITHIN CRAWLSPACE AS SHOWN. PREPARE EXISTING BRANCH PIPING TO REMAIN FOR FUTURE CONNECTION TO NEW MAIN.
8 FIELD VERIFY EXISTING TEMPERATURE SENSOR LOCATION FOR VAV BOX. DEMOLISH EXISTING CONTROLS AND POWERS.
9 DEMOLISH EXISTING SINK WASTE, CW AND HW BENEATH THE SINK. PREPARE EXISTING UTILITY CONNECTIONS FOR FUTURE CONNECTION.
10 VERIFY EXISTING THERMOSTAT LOCATION AND DEMOLISH EXISTING TEMPERATURE SENSOR AND CONTROLS FOR (E) AC1-1 AND PRESERVE LOCATION FOR INSTALLATION OF NEW THERMOSTAT.
11 DEMOLISH EXISTING TEMPERATURE SENSOR AND CONTROLS FOR EXISTING AHU-4 AND PRESERVE LOCATION FOR INSTALLATION OF NEW THEMOSTAT.
12 VERIFY EXISTING LOCATION OF THERMOSTAT FOR (E) RTU-2. DEMOLISH EXISTING THERMOSTAT AND CONTROLS FOR (E) RTU-2 AND PRESERVE LOCATION FOR INSTALLATION OF NEW THEMOSTAT.
13 DEMOLISH EXISTING AIR COOLED CHILLER, CONTROLS, POWER AND PIPING. CONCRETE PAD TO REMAIN.
14 DEMOLISH EXISTING MOTORIZED DAMPER AND CONTROLS FOR (E) AHU-4 OUTSIDE AIR DUCTWORK AND RETURN AIR DUCTWORK. PREPARE EXISTING DUCTWORK TO REMAIN FOR FUTURE MOTORIZED DAMPER.
15 DEMOLISH EXISTING MOTORIZED DAMPER AND CONTROLS FOR (E) AHU-5 OUTSIDE AIR DUCTWORK. PREPARE EXISTING DUCTWORK TO REMAIN FOR FUTURE MOTORIZED DAMPER.
16 DEMOLISH EXISTING MOTORIZED DAMPER AND CONTROLS FOR (E) AHU-3 AND (E) AHU-6 OUTSIDE AIR DUCTWORK AND RETURN AIR DUCTWORK. PREPARE EXISTING DUCTWORK TO REMAIN FOR FUTURE MOTORIZED DAMPER.
17 FIELD VERIFY ROUTING AND DEMOLISH EXISTING HYDRONIC PIPING AS SHOWN. PREPARE EXISTING CHS AND CHR PIPING FOR FUTURE CONNECTION.

COMM. NO.	1288
DATE	11/11/2024
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BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

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REVISIONS:

PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS

IAN L. BOST 96649 LICENSED PROFESSIONAL ENGINEER 11/11/2024

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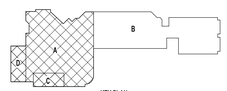
KEY PLAN



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MECH/PLBG DEMOLITION PLAN - AREA A - LEVEL 1

MP-1.00

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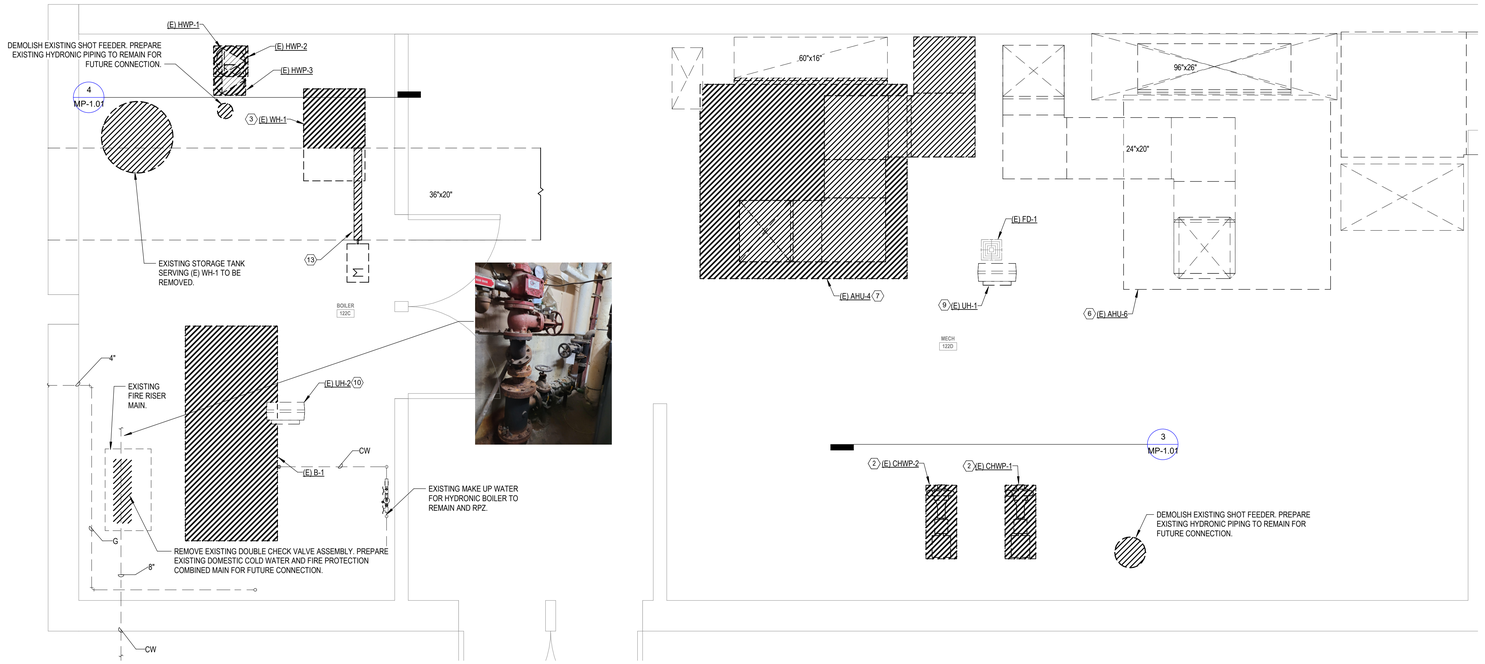
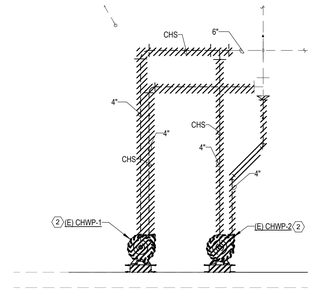
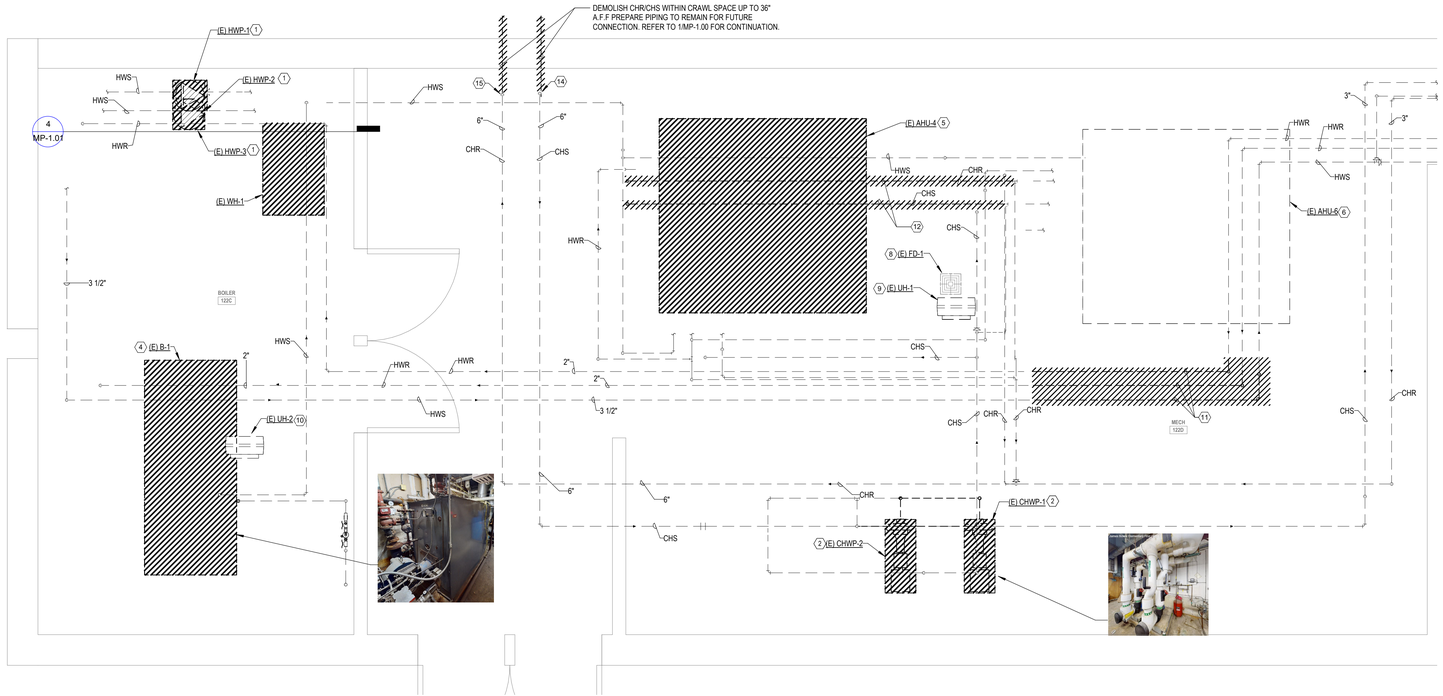


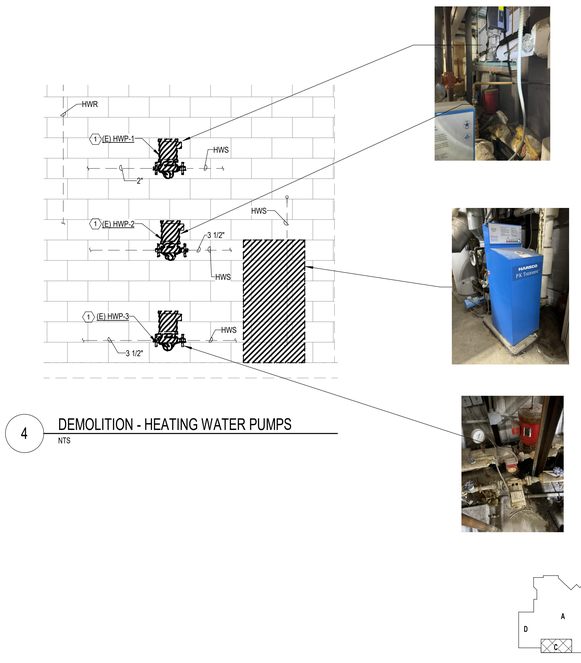
1 MECHANICAL AND BOILER ROOM 122D MECH/PLBG DEMOLITION PLAN - LEVEL 1
NTS



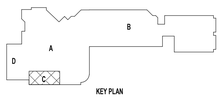
3 DEMOLITION - CHILLED WATER PUMPS
NTS



2 MECHANICAL AND BOILER ROOM 122D HYDRONIC DEMOLITION PLAN - LEVEL 1
NTS



4 DEMOLITION - HEATING WATER PUMPS
NTS



KEY PLAN

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3. TAB CONTRACTOR SHALL MEASURE THE CHILLED AND HEATING WATER FLOW RATES AT ALL EXISTING AHUS TO REMAIN (AHU-6 AND AHU-7). THE RECORDED INFORMATION SHALL BE PROVIDED TO THE OWNER AND A/E TEAM UPON COMPLETION OF THE NEW WORK. THESE EXISTING UNITS SHALL BE REBALANCED TO EXISTING CONDITIONS.

NOTES BY SYMBOL: "⬡"

1 DEMOLISH EXISTING HEATING WATER PUMP AND ASSOCIATED CONTROLS. PREPARE ASSOCIATED HYDRONIC PIPING TO REMAIN FOR FUTURE CONNECTION.
2 DEMOLISH EXISTING CHILLED WATER PUMP AND ASSOCIATED CONTROLS. PREPARE EXISTING HYDRONIC PIPING AND UTILITIES TO REMAIN FOR FUTURE CONNECTION TO NEW PUMP.
3 DEMOLISH EXISTING DOMESTIC HOT WATER BOILER. PREPARE ASSOCIATED PIPING AND UTILITIES TO REMAIN FOR FUTURE CONNECTION.
4 DEMOLISH EXISTING HEATING WATER BOILER AND PREPARE EXISTING EQUIPMENT PAD, HYDRONIC PIPING, GAS PIPING, AND ASSOCIATED UTILITIES CONNECTIONS FOR FUTURE CONNECTION TO NEW BOILER.
5 DEMOLISH EXISTING AHU AND ASSOCIATED DUCTWORK AS SHOWN. PREPARE EXISTING HYDRONIC PIPING AND ASSOCIATED UTILITIES TO REMAIN FOR FUTURE CONNECTION TO NEW AHU.
6 EXISTING AIR HANDLING UNIT TO REMAIN. REMOVE AND REINSTALL NEW HYDRONIC PIPING AS NECESSARY TO ACCOMODATE THE INSTALLATION OF THE AHU-3 DIRECTLY ABOVE.
7 DEMOLISH EXISTING AHU AND ASSOCIATED DUCTWORK AS SHOWN. PREPARE EXISTING DUCTWORK AND ASSOCIATED UTILITIES TO REMAIN FOR FUTURE CONNECTION TO NEW AHU.
8 DEMOLISH ALL EXISTING CD PIPING FROM (E) AHU-3, (E) AHU-4 AND (E) AHU-5 ROUTED TO FLOOR DRAIN.
9 EXISTING UNIT HEATER TO REMAIN. TEMPORARILY RELOCATE AND REINSTALL AS NECESSARY TO ACCOMODATE THE INSTALLATION OF THE NEW BOILER. RELOCATION MAY REQUIRE ASSOCIATED GAS PIPING AND POWER TO BE REROUTED.
10 EXISTING UNIT HEATER TO REMAIN. TEMPORARILY RELOCATE AND REINSTALL AS NECESSARY TO ACCOMODATE THE INSTALLATION OF THE NEW BOILER. RELOCATION MAY REQUIRE ASSOCIATED GAS PIPING AND POWER TO BE REROUTED.
11 DEMOLISH EXISTING HEATING WATER PIPING AS SHOWN TO ACCOMODATE THE NEW STRUCTURAL MODIFICATIONS FOR AHU-3.
12 DEMOLISH EXISTING HEATING WATER PIPING AS SHOWN TO ACCOMODATE INSTALLATION OF NEW AHU-4.
13 DEMOLISH EXISTING MOTORIZED DAMPER AND CONTROLS FOR EXISTING AHU-5 RETURN AIR DUCTWORK. PREPARE EXISTING DUCTWORK TO REMAIN FOR FUTURE MOTORIZED DAMPER.
14 DEMOLISH EXISTING 6" CHS PIPING DOWN FROM EXISTING HYDRONIC PIPING 2' A.F.F. IN THE MECHANICAL ROOM TO THE EXISTING CHILLER. PREPARE EXISTING HYDRONIC PIPING 2' A.F.F TO REMAIN FOR FUTURE CONNECTION.
15 DEMOLISH EXISTING 6" CHS PIPING DOWN FROM EXISTING CHILLER UP TO EXISTING HYDRONIC PIPING 2' A.F.F IN THE MECHANICAL ROOM TO THE EXISTING CHILLER. PREPARE EXISTING HYDRONIC PIPING 2' A.F.F TO REMAIN FOR FUTURE CONNECTION.

COMM. NO.	1288
DATE	11/11/2024
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REVISIONS:

PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT
JAMES BOWIE ELEMENTARY SCHOOL
330 NORTH MARSALIS AVE, DALLAS, TX 75203

ENLARGED MECH/ PLBG DEMOLITION PLAN - MECH/BOILER ROOM - LEVEL 1

MP-1.01

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TBPELS Firm #44, #10011300, #10011302, #10194146
BHB PROJECT # 2023.183.000

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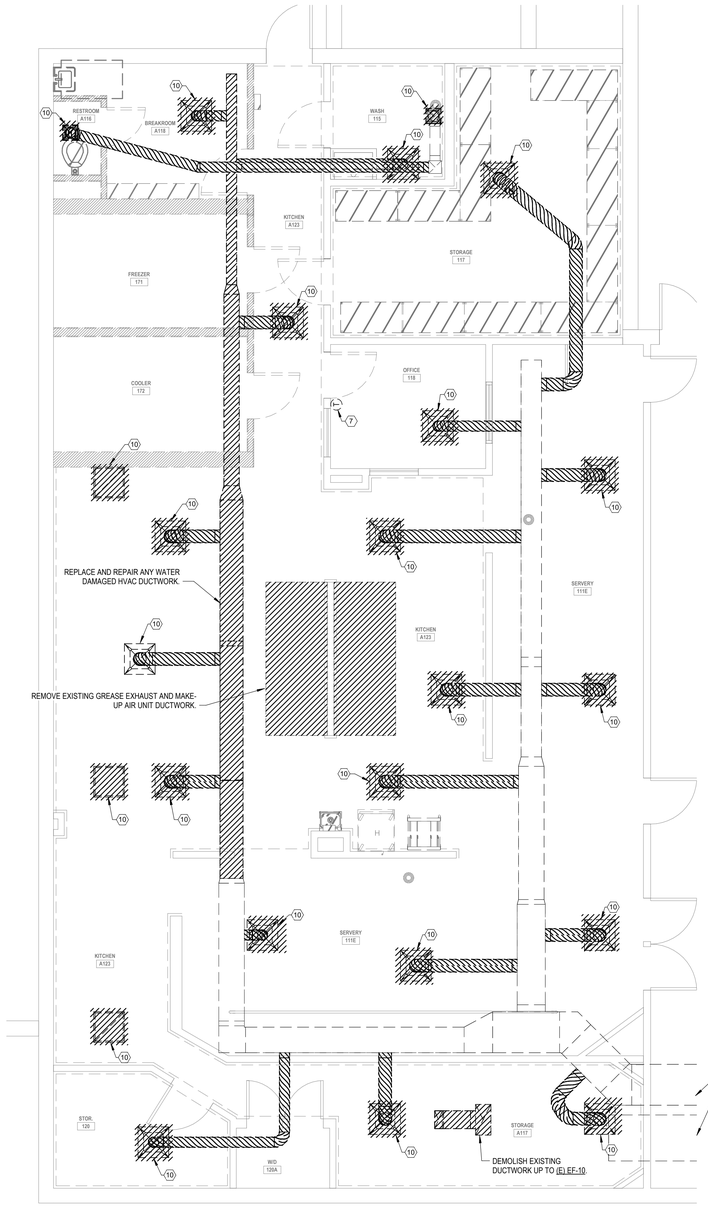
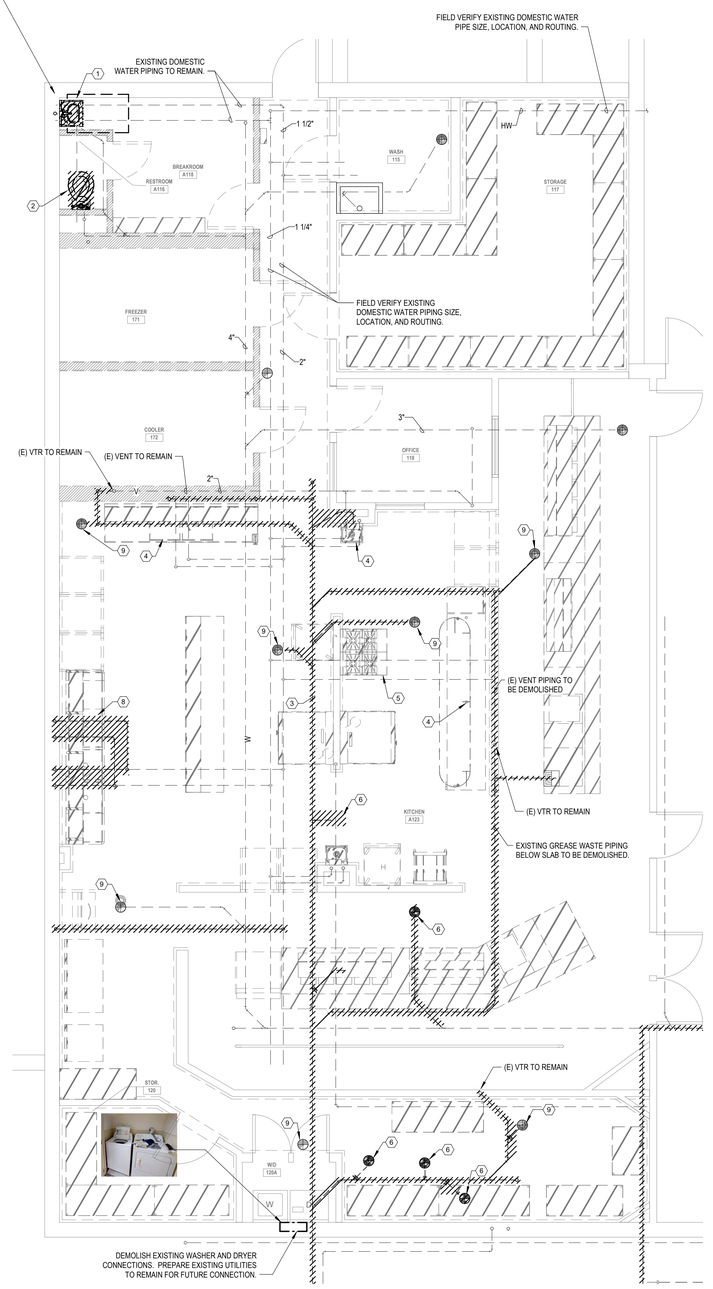


1 DEMOLITION FLOOR PLAN - MECHANICAL - KITCHEN

1/4" = 1'-0"

NORTH



2 DEMOLITION FLOOR PLAN - PLUMBING - KITCHEN

1/4" = 1'-0"

NORTH

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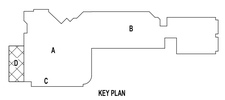
NOTES BY SYMBOL: "⬡"

1 DEMOLISH EXISTING LAVATORY. PREPARE EXISTING UTILITY CONNECTIONS TO REMAIN FOR FUTURE CONNECTION TO NEW LAVATORY.
2 DEMOLISH EXISTING WATER CLOSET. DEMOLISH EXISTING WASTE PIPING TO BELOW SLAB. DEMOLISH EXISTING DOMESTIC WATER AND VENT PIPING BACK TO ABOVE CEILING. CAP AND PREPARE EXISTING DOMESTIC COLD WATER TO REMAIN FOR FUTURE CONNECTION. PLUG EXISTING WASTE AND VENT PIPING TO REMAIN AND PREPARE FOR FUTURE CONNECTION.
3 FIELD VERIFY EXISTING GREASE WASTE PIPING SIZE, ROUTING, AND INVERT ELEVATION. DEMOLISH EXISTING GREASE WASTE PIPING SERVING EXISTING KITCHEN AS SHOWN. PREPARE EXISTING FIXTURES, VENT PIPING, AND GREASE INTERCEPTOR TO REMAIN FOR FUTURE CONNECTION
4 EXISTING SINK TO BE DEMOLISHED. DEMOLISH ASSOCIATED DOMESTIC WATER, WASTE, AND VENT CONNECTIONS. PREPARE EXISTING PIPING TO REMAIN FOR FUTURE CONNECTION TO NEW SINK.
5 EXISTING GAS RANGE TO BE DEMOLISHED. DEMOLISH ASSOCIATED GAS PIPING CONNECTIONS. PREPARE EXISTING PIPING TO REMAIN FOR FUTURE CONNECTION.
6 DEMOLISH EXISTING FLOOR DRAINS AND ASSOCIATED GREASE WASTE PIPING AND VENT PIPING. PATCH AND REPAIR FLOOR BACK TO MATCH SURROUNDING CONDITIONS. COORDIANTE PATCH AND REPAIR OF EXISTING FLOOR WITH ARCHITECT.
7 DEMOLISH EXISTING THERMOSTAT AND CONTROL FOR (E) AHU-5 AND PRESERVE LOCATION FOR INSTALLATION OF NEW THEMOSTAT.
8 EXISTING 3 COMPARTMENT SINK TO BE DEMOLISHED. DEMOLISH ASSOCIATED DOMESTIC WATER PIPING BACK TO THE NEAREST 1" CW AND 1" HW MAINS. PREPARE EXISTING DOMESTIC WATER PIPING TO REMAIN FOR FUTURE CONNECTION. DEMOLISH ASSOCIATED EXISTING WASTE AND VENT PIPING AND PLUG. PREPARE EXISTING PIPING TO REMAIN FOR FUTURE CONNECTION TO NEW SINK.
9 FIELD VERIFY EXISTING CONDITIONS OF EXISTING FLOOR DRAIN SERVING KITCHEN. REPLACE FLOOR DRAIN IF DAMAGED. DEMOLISH EXISTING ASSOCIATED WASTE PIPING BELOW SLAB. PREPARE EXISTING FLOOR DRAIN AND VENT PIPING ABOVE SLAB TO REMAIN FOR FUTURE CONNECTION TO NEW GREASE WASTE PIPING.
10 REMOVE EXISTING AIR DEVICE AND ASSOCIATED BRANCH DUCTWORK. PREPARE DUCTWORK TO REMAIN FOR FUTURE CONNECTIONS.



KEY PLAN

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BHB PROJECT # 2023.183.000

COMM. NO.	1288
DATE	11/11/2024
DRAWN	RT
CHECKED	ILB

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ONE INCH

REVISIONS:

PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE. DALLAS, TX 75203

ENLARGED MECH/PLBG DEMOLITION PLAN - KITCHEN - LEVEL 1

MP-1.02

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SHEET NOTES:

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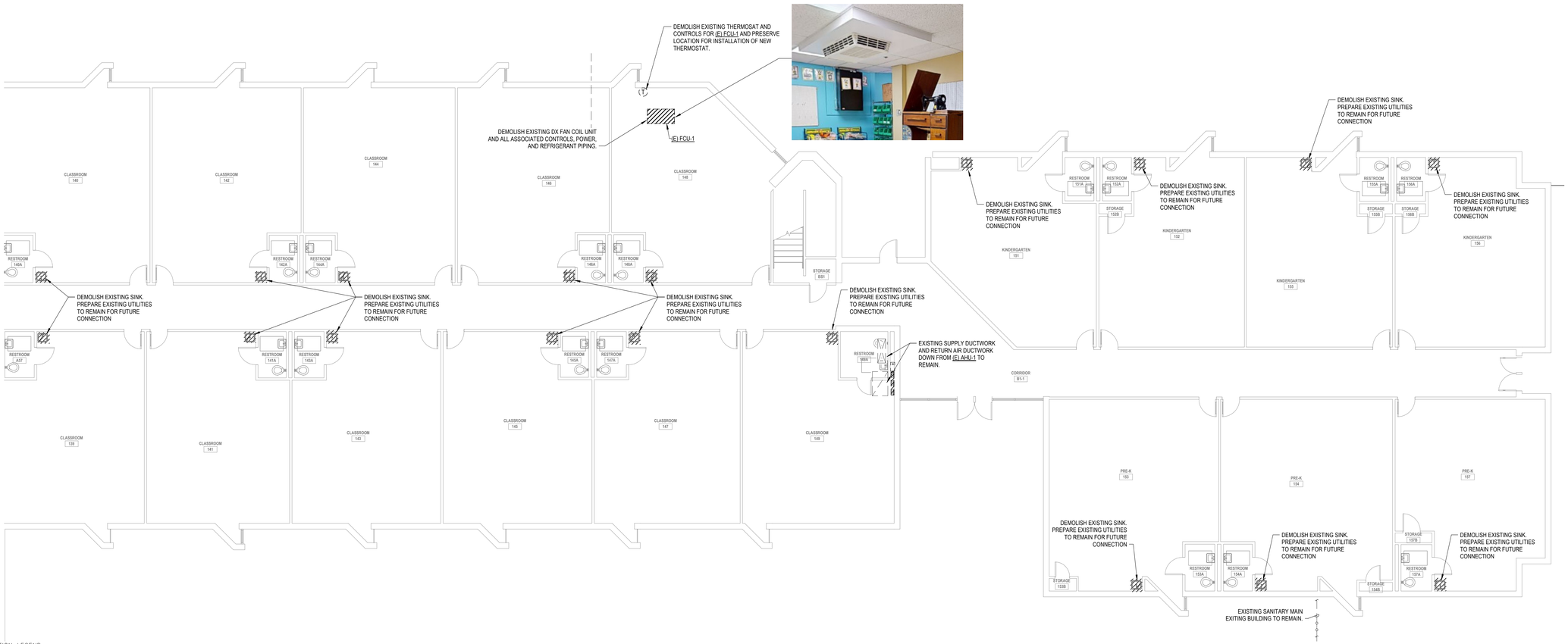
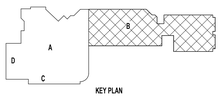


VENTILATION LEGEND

1 MECH/PLBG DEMOLITION FLOOR PLAN - AREA B - LEVEL 1
1/8" = 1'-0"

NORTH



KEY PLAN

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DRAWN	RT
CHECKED	ILB

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ONE INCH

REVISIONS:

PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS

IAN L. BOST 96649 LICENSED PROFESSIONAL ENGINEER 11/11/2024

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

MECH/PLBG DEMOLITION PLAN - AREA B - LEVEL 1

MP-1.03

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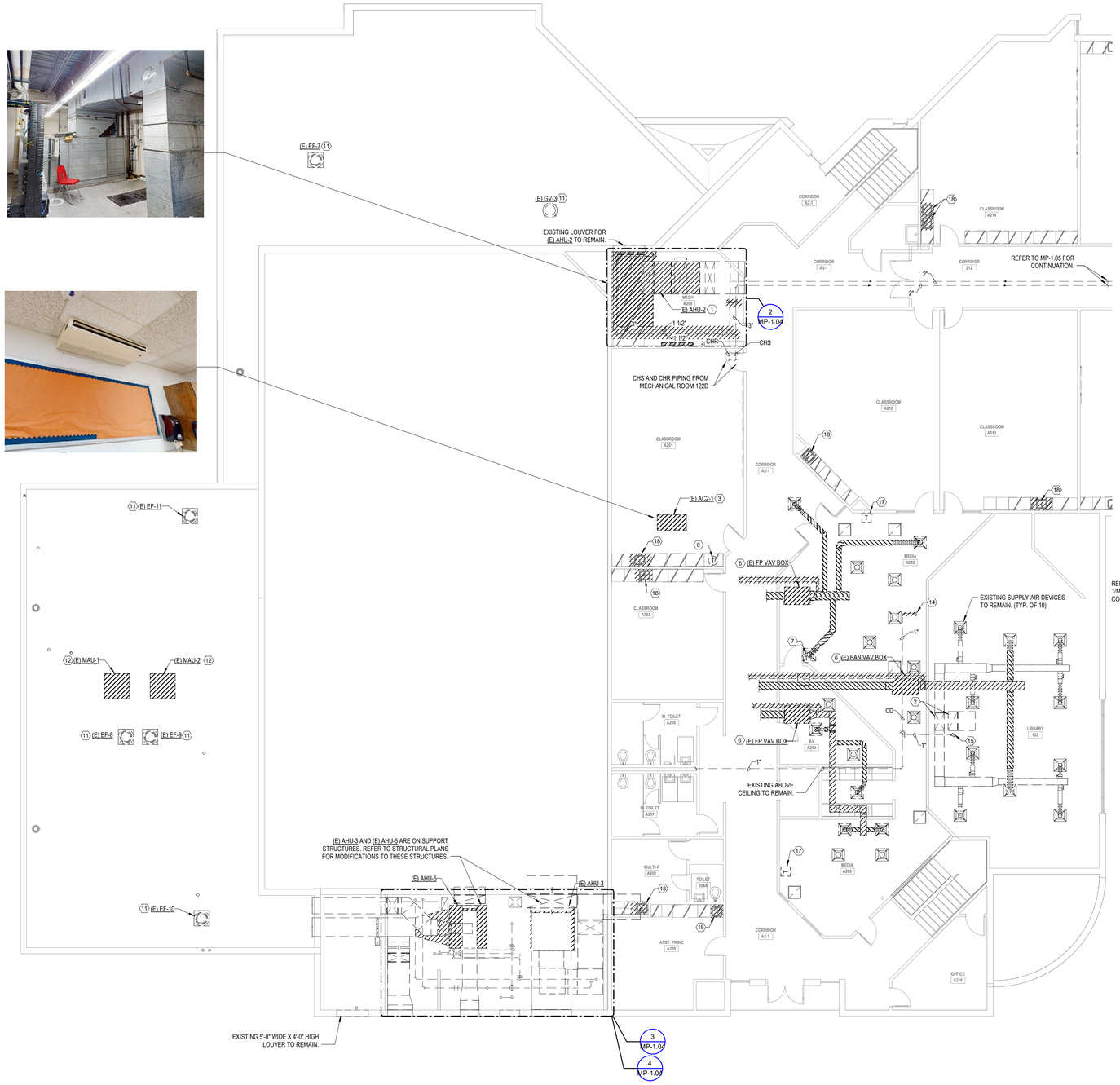
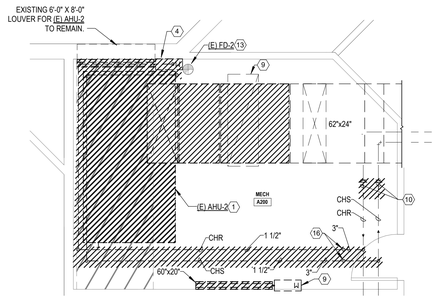
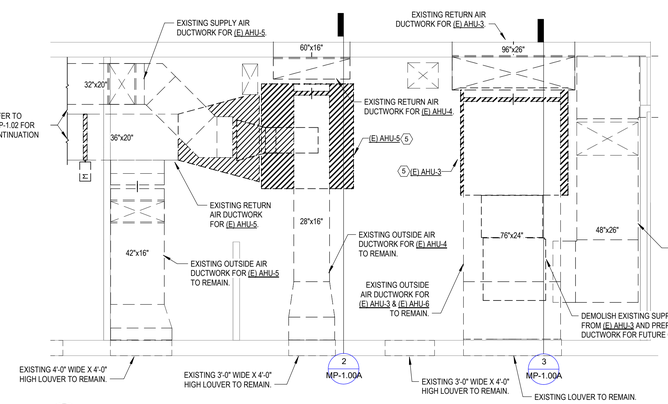


1 MECH/PBG DEMOLITION FLOOR PLAN - AREA A - LEVEL 2
1/8" = 1'-0"

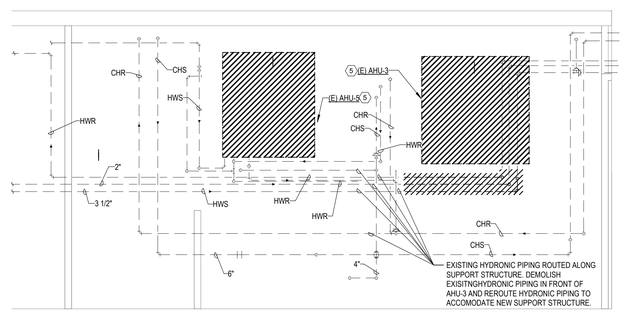
NORTH



2 MECHANICAL ROOM A200 - MECH/HYDRONIC DEMOLITION PLAN LEVEL 2
NTS



3 MECHANICAL ROOM - MECH DEMOLITION PLAN LEVEL 2
NTS



4 MECHANICAL ROOM - HYDRONIC DEMOLITION PLAN LEVEL 2
NTS

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NOTES BY SYMBOL: "⬡"

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2 EXISTING DUCTWORK SERVING RTU-2 ON ROOF ABOVE TO REMAIN.

3 DEMOLISH EXISTING A/C UNIT AND ALL ASSOCIATED CONTROLS AND REFRIGERANT PIPING. PATCH AND REPAIR EXISTING PENETRATIONS TO MATCH SURROUNDING CONDITIONS.

4 DEMOLISH EXISTING MOTORIZED DAMPERS AND ASSOCIATED CONTROLS. PREPARE EXISTING DUCTWORK AND CONTROL WIRING TO REMAIN FOR FUTURE CONNECTION TO NEW MOTORIZED DAMPER.

5 DEMOLISH EXISTING AHU AND ASSOCIATED HYDRONIC PIPING AND DUCTWORK CONNECTIONS. PREPARE EXISTING HYDRONIC PIPING AND DUCTWORK TO REMAIN FOR FUTURE CONNECTION. DEMOLISH EXISTING ASSOCIATED CONDENSATE FROM UNIT TO DISCHARGE OUTLET.

6 FIELD VERFIY EXISTING DUCTWORK, AIR DEVICES AND VAV BOX SIZE, LOCATION, AND ELEVATION PRIOR TO DEMOLITION.DEMOLISH EXISTING VAV BOX, HYDRONIC PIPING, AND ASSOCIATED DUCTWORK. PATCH AND REPARE EXISTING DUCT MAIN TO REMAIN FOR FUTURE CONNECTION. CAP HEATING WATER PIPING BACK TO TEE.

7 DEMOLISH EXISTING THERMOSTAT AND CONTROLS FOR (E) RTU-3 AND PRESERVE LOCATION FOR INSTALLATION OF NEW THEMOSTAT.

8 DEMOLISH EXISTING THERMOSTAT AND CONTROLS FOR (E) AC2-1 AND PRESERVE LOCATION FOR INSTALLATION OF NEW THEMOSTAT.

9 DEMOLISH EXISTING MOTORIZED DAMPERS IN RETURN AIR DUCTWORK AND ASSOCIATED CONTROLS. PREPARE EXISTING DUCTWORK AND CONTROL WIRING TO REMAIN FOR FUTURE CONNECTION TO NEW MOTORIZED DAMPER.

10 PRIOR TO BEGINNING DEMOLITION, FIELD VERIFY EXISTING CHILLED WATER SIZING, ROUTING, AND LOCATION. CONTRACTOR SHALL NOTIFY ARCHITECT AND DESIGN TEAM OF ANY DISCREPANCIES BETWEEN THE EXISTING CHILLED WATER PIPING AND WHAT IS SHOWN IN THE CONTRACT DRAWINGS. DEMOLISH EXISTING 2" CHS AND CHR PIPING AS SHOWN. PREPARE EXISTING CHS AND CHR PIPING FOR FUTURE CONNECTIONS.

11 DEMOLISH FAN AND ASSOCIATED CURB AND POWER.

12 EXISTING MAKE UP AIR UNITS, AND ASSOCIATED CONTROLS, POWER, AND DUCTWORK TO BE DEMOLISHED TO ACCOMODATE NEW KITCHEN HOOD. PREPARE ASSOCIATED ROOF PENETRATION FOR FUTURE INSTALLATION.

13 REMOVE ALL ASSOCIATED CD PIPING FROM (E) AHU-2 ROUTED TO EXISTING FLOOR DRAIN.

14 DEMOLISH EXISTING CD PIPING FROM (E) RTU-3 TO ABOVE CEILING AS SHOWN. PREPARE EXISTING CD PIPING TO REMAIN FOR FUTURE CONNECTION.

15 DEMOLISH EXISTING CD PIPING FROM (E) RTU-2 TO ABOVE CEILING AS SHOWN. PREPARE EXISTING CD PIPING TO REMAIN FOR FUTURE CONNECTION.

16 2-1/2" CHS AND CHR PIPING ROUTED BELOW 1-1/2" CHS AND CHR PIPING TO (E) AHU-2.

17 FIELD VERFIY EXISTING TEMPERATURE SENSOR LOCATION FOR VAV BOX. DEMOLISH EXISTING CONTROLS AND POWERS.

18 DEMOLISH EXISTING SINK. PREPARE EXISTING DOMESTIC WATER, WASTE, AND VENT UTILITIES FOR FUTURE CONNECTION.

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IAN L. BOST 96649 LICENSED PROFESSIONAL ENGINEER 11/11/2024

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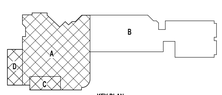
RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE. DALLAS, TX 75203

MECH/PLBG DEMOLITION PLAN - AREA A - LEVEL 2

MP-1.04



KEY PLAN

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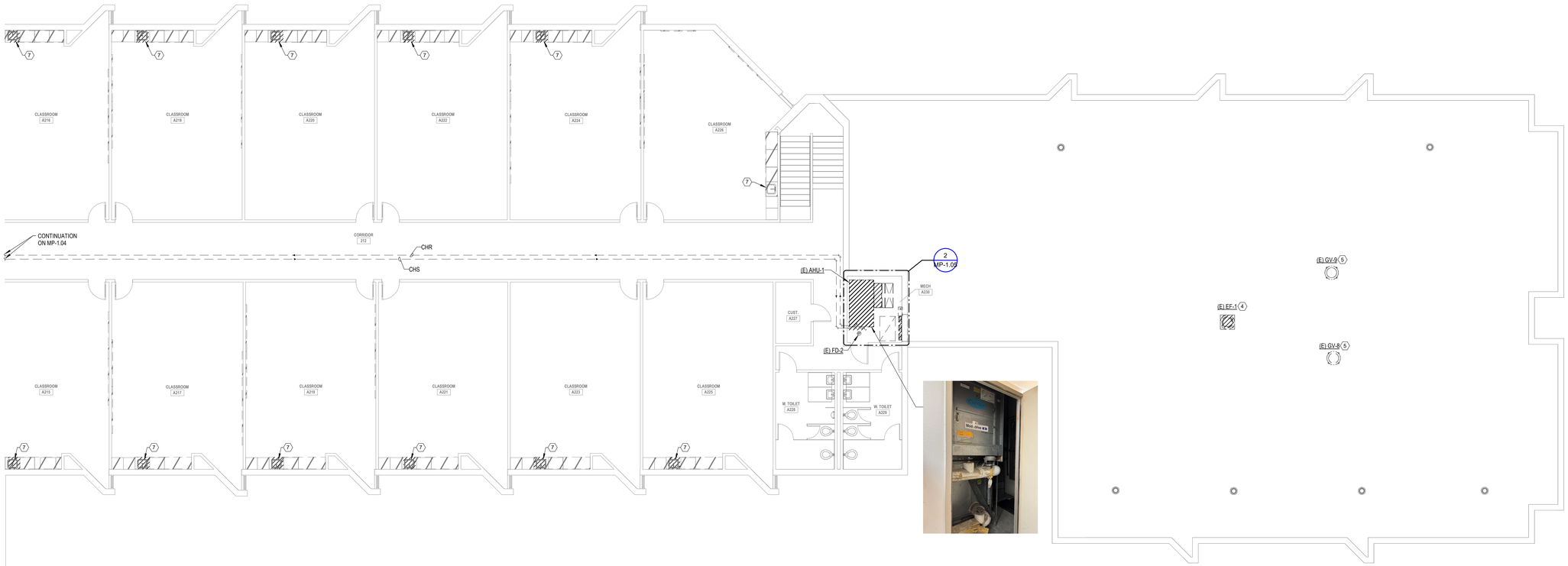
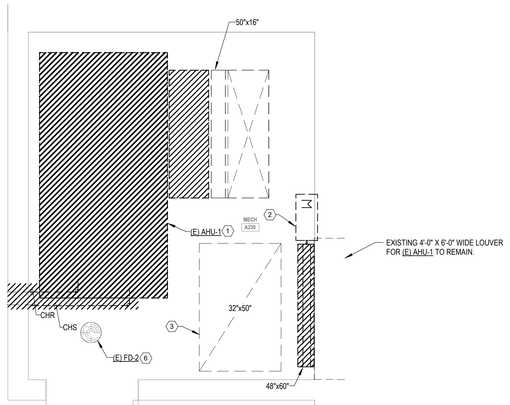
2 DEMOLISH MOTORIZED DAMPERS AND ASSOCIATED CONTROLS. PREPARE EXISTING DUCTWORK AND CONTROLS TO REMAIN FOR FUTURE CONNECTION TO NEW MOTORIZED DAMPER.
3 DEMOLISH MOTORIZED DAMPERS AND ASSOCIATED CONTROLS. PREPARE EXISTING RETURN AIR DUCTWORK AND CONTROLS TO REMAIN FOR FUTURE CONNECTION TO NEW MOTORIZED DAMPER.
4 EXISTING EXHAUST FAN TO REMAIN.
5 EXISTING ROOF GRAVITY VENTILATORS TO REMAIN.
6 REMOVE ALL ASSOCIATED CD PIPING FROM AHU TO EXISTING FLOOR DRAIN.
7 DEMOLISH EXISTING SINK. PREPARE EXISTING DOMESTIC WATER, WASTE, AND VENT UTILITIES FOR FUTURE CONNECTION.

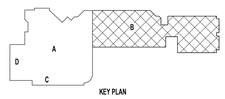


1 MECH/PLBG DEMOLITION FLOOR PLAN - AREA B - LEVEL 2
1/8" = 1'-0"

NORTH



2 MECH ROOM 230A - MECH/HYDRONIC LEVEL 2 DEMOLITION PLAN
NTS



KEY PLAN

BAIRD, HAMPTON & BROWN
building partners
6300 Ridglea Pl., Ste. 700 Fort Worth, TX 76116
mail@bhbinc.com • (817)338-1277 • bhbinc.com
TBPELS Firm #44, #10011300, #10011302, #10194146
BHB PROJECT # 2023.183.000

COMM. NO.	1288
DATE	11/11/2024
DRAWN	RT
CHECKED	ILB

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS

IAN L. BOST 96649 LICENSED PROFESSIONAL ENGINEER 11/11/2024

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1106 W. RANDOL MILL ROAD
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ARLINGTON, TEXAS 76012
PHONE (817) 265-1540
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TBAE FIRM # BR 1350

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

MECH/PLBG DEMOLITION PLAN - AREA B - LEVEL 2

MP-1.05

12/9/2024 10:59:07 AM

Autodesk Docs://DISD James Bowie ES/DISD James Bowie MPP.rvt - BHB_R24.rvt

SHEET NOTES:

1. DRAWINGS ARE BASED ON LIMITED FIELD OBSERVATIONS. ORIGINAL CONSTRUCTION DOCUMENTS WERE PROVIDED; HOWEVER, MANY RENOVATIONS HAVE OCCURRED SINCE THEN. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES, OMMISSIONS, OR INCONSISTENCIES BEFORE STARTING CONSTRUCTION.

NOTES BY SYMBOL: "⬡"

1 DEMOLISH EXISTING RTU AND ASSOCIATED ROOF CURB AND DUCTWORK CONNECTIONS. PREPARE EXISTING ROOF PENETRATION AND EXISTING DUCTWORK TO REMAIN FOR FUTURE INSTALLATION. DEMOLISH EXISTING CONDENSATE DRAIN SERVING RTU. PATCH AND REPAIR CONDENSATE ROOF PENETRATION TO MATCH SURROUNDING CONDITIONS. PATCH ROOF PER ARCH.

2 DEMOLISH EXISTING SPLIT SYSTEM OUTDOOR UNIT AND ASSOCIATED ROOF CURB AND REFRIGERANT PIPING. PATCH AND REPAIR ROOF PENETRATIONS TO MATCH SURROUNDING CONDITIONS.

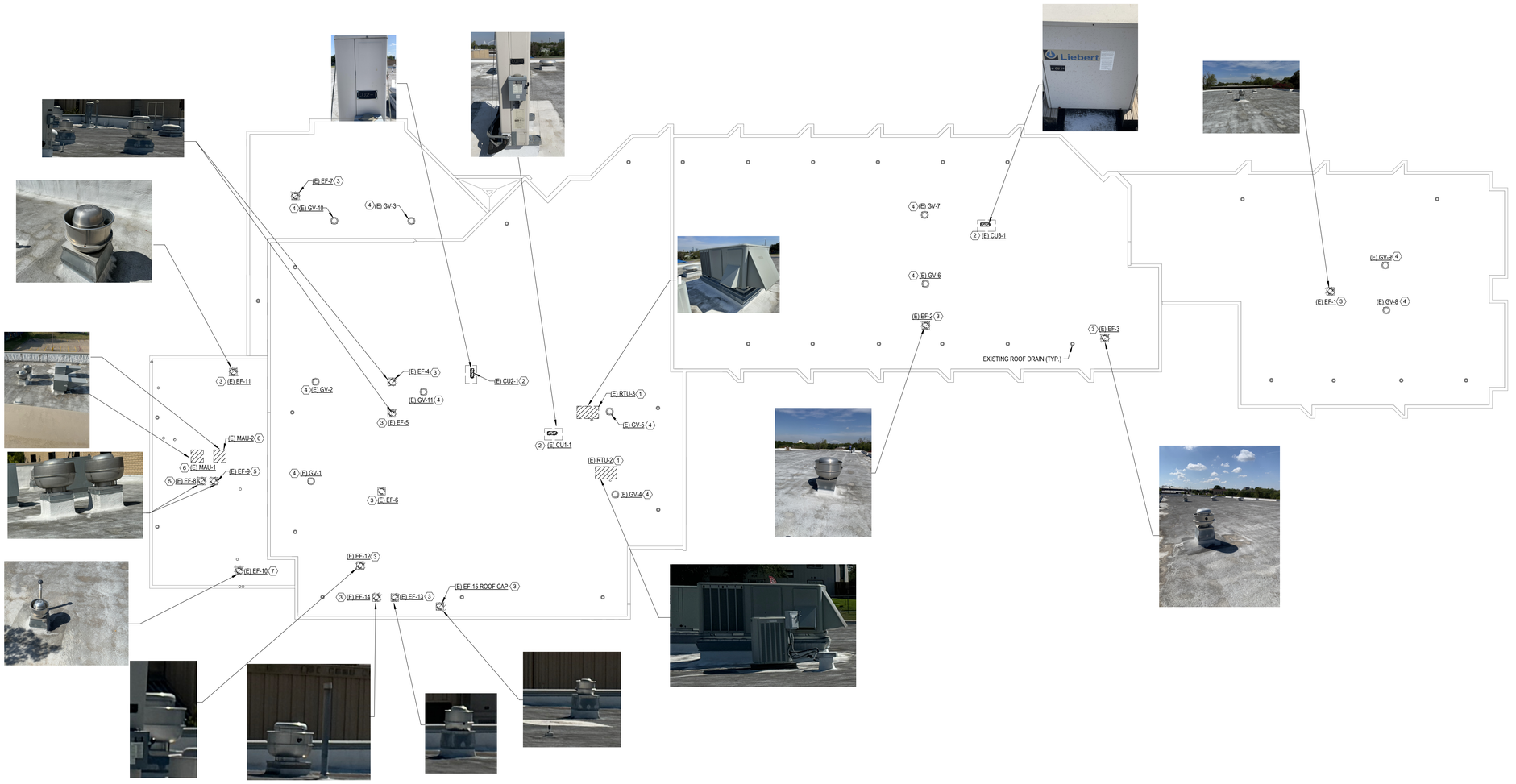
3 ADD ALTERNATE #3: DEMOLISH EXISTING ROOF-MOUNTED EXHAUST FAN AND ASSOCIATED ROOF CURB. PREPARE ASSOCIATED ROOF PENETRATION FOR FUTURE INSTALLATION.

4 EXISTING ROOF GRAVITY VENTILATOR TO REMAIN.

5 DEMOLISH EXISTING EXHAUST FAN AND ASSOCIATED CURB, CONTROLS, POWER, AND DUCTWORK. PREPARE NEW CURB FOR FUTURE EXHAUST FAN AND PATCH EXISTING SURROUNDINGS.

6 EXISTING MAKE UP AIR UNITS ASSOCIATED CURB AND CONTROL.

7 DEMOLISH EXISTING ROOF-MOUNTED EXHAUST FAN AND ASSOCIATED ROOF CURB AND DUCTWORK. PATCH EXISTING ROOF TO MATCH SURROUNDINGS.



1 OVERALL MECH/PLBG DEMOLITION ROOF PLAN - ADD ALTERNATE #3
1/16" = 1'-0"

NORTH

COMM. NO.	1288
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CHECKED	ILB

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REVISIONS:

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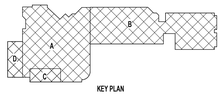
RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

KEY PLAN



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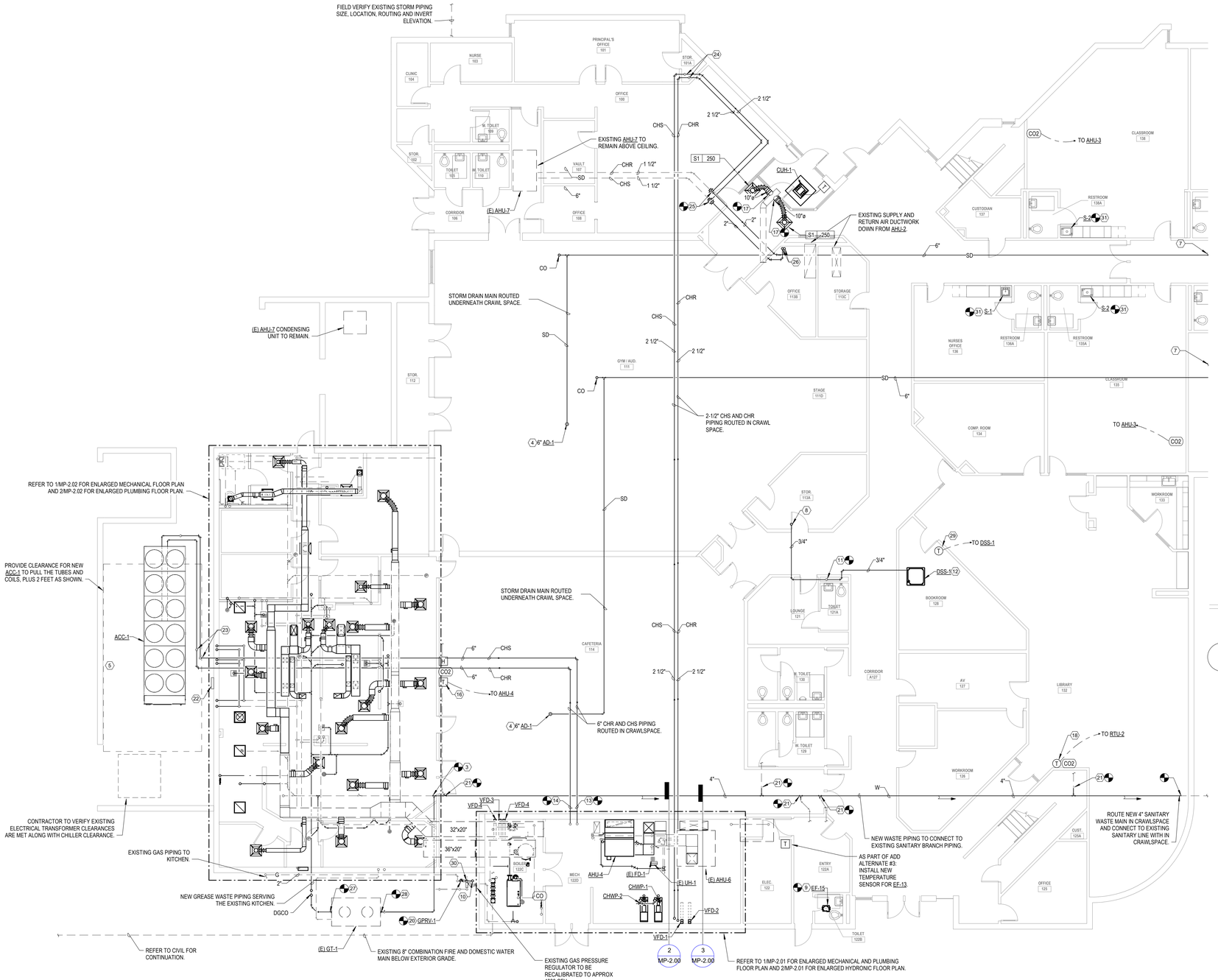
BHB PROJECT # 2023.183.000

OVERALL MECH/PLBG DEMOLITION ROOF PLAN

MP-1.06

12/9/2024 10:09:11 AM

Autodesk Docs://DISD James Bowie ESD/DISD James Bowie MPFA- BHB_R24.rvt



1 MECH/PLBG FLOOR PLAN - AREA A - LEVEL 1
1/8" = 1'-0"

2 ELEVATION-A
1/4" = 1'-0"

3 ELEVATION-B
1/4" = 1'-0"

NORTH

SHEET NOTES:

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2. CONTRACTOR SHALL HAVE TAB CONTRACTOR MEASURE AND RECORD AIRFLOW (CFM) AT ALL EXISTING AIR DEVICES AND REBLANCE NEW AHURTU UNITS AND EXISTING AIR DEVICES TO THE MEASURED AIRFLOWS. TAB CONTRACTOR SHALL RECORD ALL EXISTING AIRFLOWS AND PROVIDE THE RESULTS TO THE OWNER AND DESIGN TEAM.
3. TAB CONTRACTOR SHALL MEASURE THE CHILLED AND HEATING WATER FLOW RATES AT ALL EXISTING AHUS TO REMAIN (AHU-6 AND AHU-7). THE RECORDED INFORMATION SHALL BE PROVIDED TO THE OWNER AND A/E TEAM UPON COMPLETION OF THE NEW WORK. THESE EXISTING UNITS SHALL BE REBALANCED TO EXISTING CONDITIONS.

NOTES BY SYMBOL: "⬡"

1. PROVIDE AND INSTALL NEW HYDRONIC AHU ON EXISTING EQUIPMENT PAD AND EXTEND AS NECESSARY. CONNECT NEW AHU TO EXISTING DUCTWORK AND HYDRONIC PIPING. REFER TO MANUFACTURER FOR CONNECTION REQUIREMENTS. ROUTE NEW CONDENSATE DRAIN FROM NEW AHU TO EXISTING FLOOR DRAIN.
2. PROVIDE AND INSTALL NEW HYDRONIC AHU ON EXISTING STRUCTURE. CONNECT NEW AHU TO EXISTING DUCTWORK AND HYDRONIC PIPING. REFER TO MANUFACTURER FOR CONNECTION REQUIREMENTS. ROUTE NEW CONDENSATE DRAIN FROM NEW AHU AND DISCHARGE (INDIRECTLY) INTO EXISTING FLOOR DRAIN.
3. FIELD VERIFY EXISTING WASTE PIPING SIZE , LOCATION, AND INVERT ELEVATION. CONNECT NEW WASTE PIPING SERVING GREASE INTERCEPTOR TO EXISTING WASTE MAIN AND ROUTE NEW 4" WASTE PIPING AS SHOWN.
4. PROVIDE AND INSTALL NEW 6" AREA DRAIN TO SERVE EXISTING CRAWLSPACE BELOW EXISTING SLAB. INSTALL FLUSH WITH THE CRAWLSPACE GRADE. APPROX 36" B.F.F.
5. PROVIDE AND INSTALL NEW AIR COOLED CHILLER AS SHOWN. FIELD VERIFY AND ADAPT EXISTING CONDITIONS TO ACCOMMODATE NEW CHILLER AND HOUSE KEEPING PAD. PROVIDE AND INSTALL ALL NECESSARY VALVES, SENSORS, AND GAGES PER MANUFACTURER INSTRUCTION. CONNECT NEW CHILLER TO NEW HYDRONIC PIPING PER MANUFACTURER INSTRUCTIONS.
6. PROVIDE AND INSTALL NEW ELECTRIC DUCT HEATER IN EXISTING OUTSIDE AIR DUCTWORK AS SHOWN. FIELD VERIFY EXISTING DUCTWORK SIZE AND ROUTING PRIOR TO INSTALLATION.
7. REFER TO 1/MP-2.03 FOR STORM DRAIN MAIN CONTINUATION.
8. ROUTE NEW 3/4" CD DOWN FROM DSS UNIT ON LEVEL ABOVE AND CONTINUE AS SHOWN ABOVE CEILING.
9. ADD ALTERNATE #3: PROVIDE AND INSTALL NEW CEILING-MOUNTED EXHAUST FAN. CONNECT NEW RESTROOM EXHAUST FAN TO EXISTING EXHAUST DUCTWORK.
10. FIELD VERIFY EXISTING GAS METER LOCATION AND OUTPUT PRESSURE. ROUTE NEW 2" LOW PRESSURE GAS (715 CFH) PIPING FROM NEW GAS PRESSURE REGULATOR UP ALONG EXTERIOR WALL FROM EXISTING GAS METER AND CONTINUE TO ROOF. REFER TO 1/MP-2.06 FOR CONTINUATION.
11. ROUTE NEW 3/4" CD DOWN IN CHASE FROM ABOVE CEILING AND CONNECT TO EXISTING LAVATORY P-TRAP TAILPIECE.
12. PROVIDE AND INSTALL NEW DSS UNIT IN EXISTING CEILING. ROUTE NEW 3/4" CD FROM DSS UNIT ABOVE CEILING AS SHOWN. PROVIDE CD PUMP WITH DSS UNIT.
13. CONNECT NEW 6" CHS PIPING TO EXISTING CHS PIPING IN EXISTING MECHANICAL ROOM. ROTUE NEW CHR PIPING IN CRAWLSPACE BELOW FROM MECHANICAL ROOM TO NEW AIR COOLED CHILLER.
14. CONNECT NEW 6" CHR PIPING TO EXISTING CHR PIPING IN EXISTING MECHANICAL ROOM. ROUTE NEW CHS PIPING IN CRAWLSPACE FROM NEW AIR COOLED CHILLER TO MECHANICAL ROOM AS SHOWN.
15. PROVIDE AND INSTALL NEW MOTORIZED DAMPER TO SERVE AHU ON EXISTING OUTSIDE AIR AND RETURN AIR DUCTWORK.
16. INSTALL NEW TEMPERATURE SENSORS AND CONTROLS FOR AHU-4 IN PREVIOUS THERMOSTAT LOCATION.
17. CONNECT NEW DUCTWORK TO EXISTING DUCTWORK AS SHOWN.
18. INSTALL NEW THERMOSTAT AND CONTROLS FOR RTU-2 IN PREVIOUS THERMOSTAT LOCATION.
19. CONTRACTOR TO CONFIRM THE SUBMITTED AHU WEIGHT CAN BE SUPPORTED BY THE EXISTING PLATFORM. COORDINATE AND REFER TO STRUCTURAL FOR ANY MODIFICATION TO ACCOMODATE THESE NEW SUPPORT STRUCTURES.
20. PROVIDE AND INSTALL NEW GAS PRESSURE REGULATING VALVE. CONNECT NEW VALVE TO EXISTING GAS PIPING AND CONTINUE AS SHOWN. FIELD VERIFY EXISTING GAS PIPING PRESSURE, SIZE, AND LOCATION PRIOR TO WORK.
21. CONNECT NEW WASTE PIPING DOWN STREAM OF GREASE TRAP TO EXISTING SANITARY BRANCH.
22. PROVIDE HEAT TRACE CONTROLLER MOUNTED ON WALL FOR CHS AND CHR PIPING ROUTED OUTSIDE.
23. 6" CHS AND CHR PIPING ROUTED DOWN BELOW SLAB AND CONNECTING INTO CRAWLSPACE.
24. ROUTE 2-1/2" CHS AND CHR PIPING UP FROM CRAWLSPACE TO ABOVE CEILING IN STORAGE ROOM AND FOLLOW ROUTING AS SHOWN. FIELD VERIFY EXISTING CONDITIONING AND REROUTE PIPING AS NECESSARY. PROVIDE METAL JACKET OVER ALL EXPOSED INSULATION WITHIN THIS SPACE.
25. ROUTE 2-1/2" CHS AND CHR PIPING UP FROM CRAWLSPACE TO ABOVE CEILING IN STORAGE ROOM AND FOLLOW ROUTING.
26. ROUTE 2-1/2" CHS AND CHR PIPING UP FROM ABOVE CEILING TO MECHANICAL ROOM 200A. REFER TO 2/MP-2.04 FOR CONTINUATION AND ROUTING.
27. FIELD VERIFY EXISTING GREASE INTERCEPTOR LOCATION AND INVERT ELEVATION. CONNECT NEW 4" GREASE WASTE PIPING TO EXISTING GREASE INTERCEPTOR.
28. FIELD VERIFY EXISTING GREASE INTERCEPTOR LOCATION AND INVERT ELEVATION. CONNECT NEW 4" SANITARY WASTE PIPING TO EXISTING INTERCEPTOR AND CONTINUE AS SHOWN.
29. INSTALL NEW THERMOSTAT AND CONTROLS FOR DSS-1 IN PREVIOUS THERMOSTAT LOCATION.
30. PROVIDE AND INSTALL NEW NATURAL GAS FLOW METER ON EXISTING NATURAL GAS PIPING AS SHOWN. METER SHALL BE ONICON F-5100 SERIES THERMAL MASS FLOW METER, OR PRE-APPROVED EQUAL. THE FLOW METER SHALL CONNECT TO THE EMCS AND HAVE A 0-100 FLOW DISPLAY.
31. PROVIDE AND INSTALL NEW SINK. CONNECT NEW SINK TO EXISTING DOMESTIC WATER, WASTE, AND VENT UTILITIES.

COMM. NO. 1288
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ONE INCH
REVISIONS:

PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS

STATE OF TEXAS
IAN L. BOST
96649
LICENSED PROFESSIONAL ENGINEER
11/11/2024

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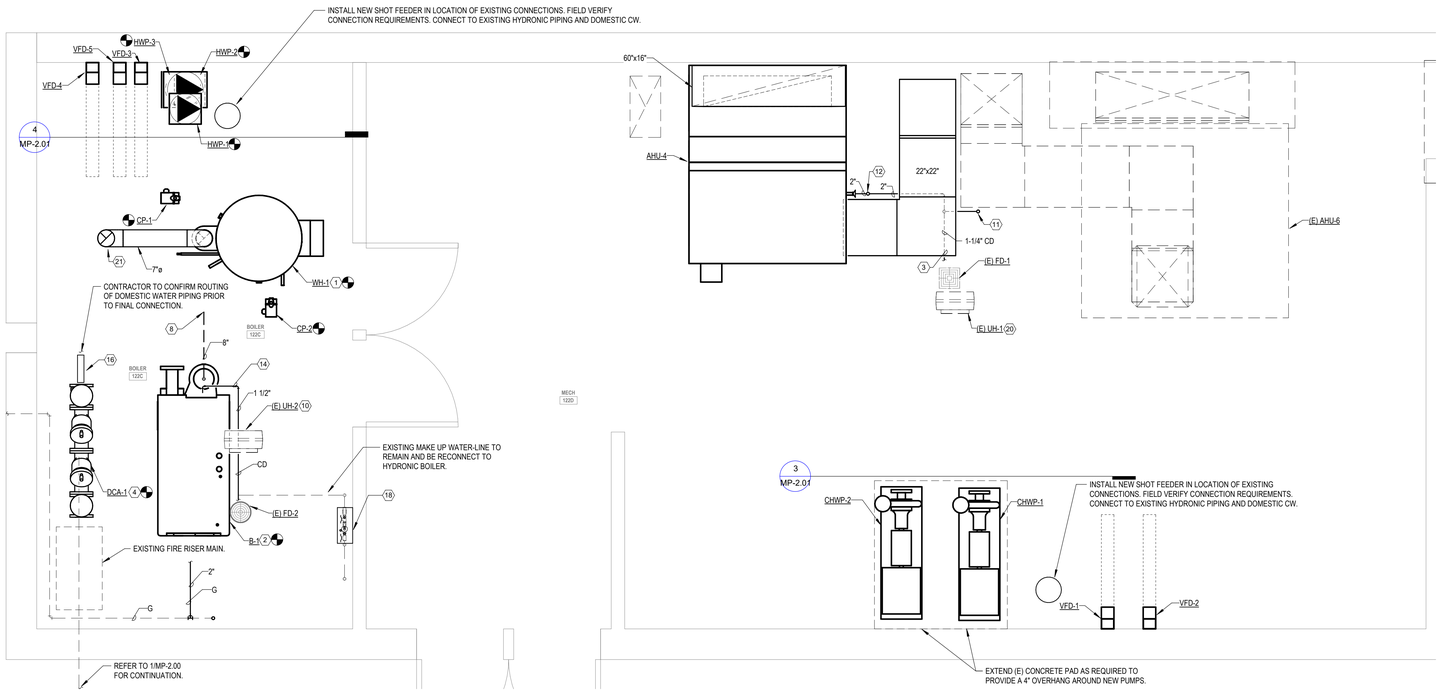
BHB PROJECT # 2023.183.000

MECH/PLBG FLOOR PLAN - AREA A - LEVEL 1

MP-2.00

12/9/2024 10:59:15 AM

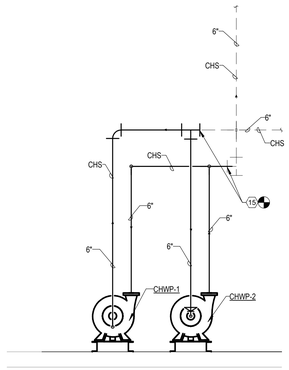
Autodesk Docs://DISD James Bowie ES/DISD James Bowie MPFA- BHB_R24.rvt



1 MECHANICAL AND BOILER ROOM 122 MECH/PLBG PLAN - LEVEL 1

1/2" = 1'-0"

NORTH

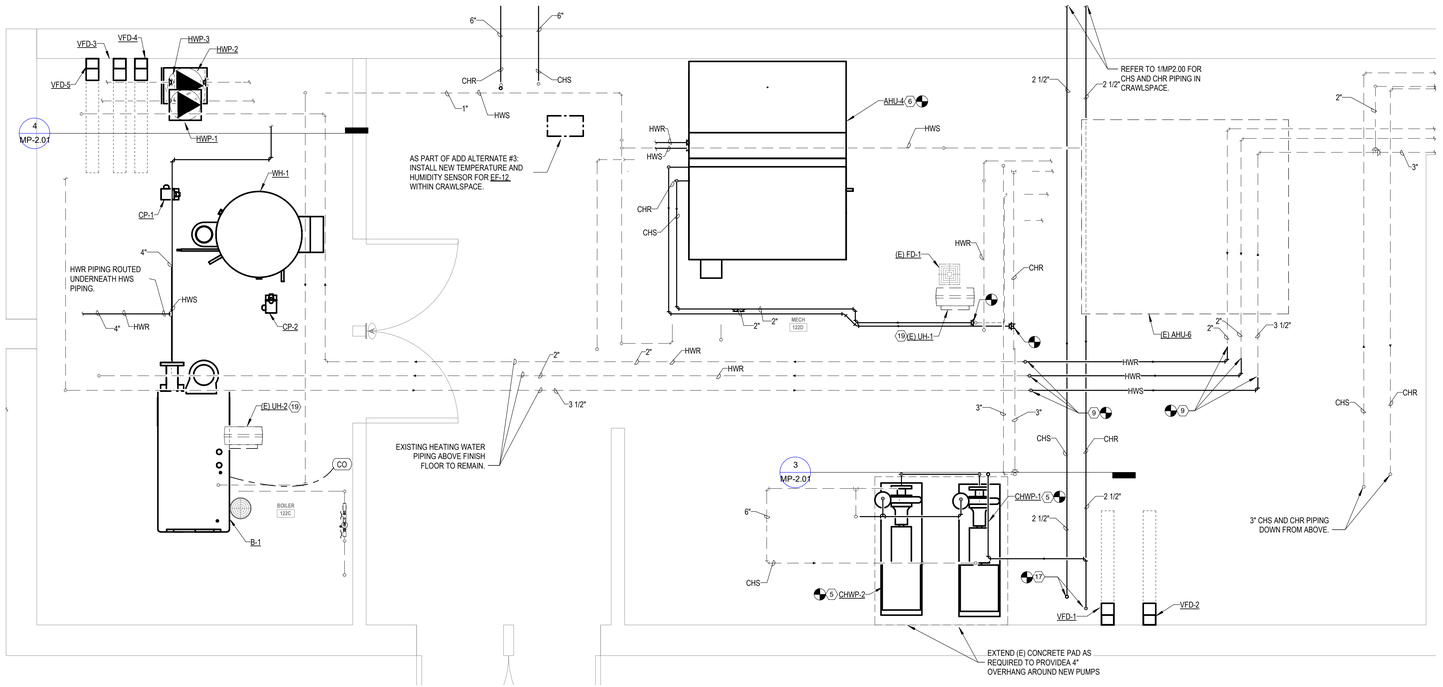


3 CHILLED WATER PUMPS

NTS

NOTES:

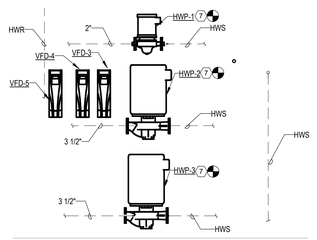
1. REFER TO END SUCTION PUMP DETAIL FOR ADDITIONAL INSTALLATION REQUIREMENTS.



2 MECHANICAL AND BOILER ROOM 122 HYDRONIC PLAN - LEVEL 1

1/2" = 1'-0"

NORTH



4 HEATING WATER PUMPS

NTS

NOTES:

1. REFER TO INLINE PUMP DETAIL FOR ADDITIONAL INSTALLATION REQUIREMENTS.

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3. TAB CONTRACTOR SHALL MEASURE THE CHILLED AND HEATING WATER FLOW RATES AT ALL EXISTING AHUS TO REMAIN (AHU-6 AND AHU-7). THE RECORDED INFORMATION SHALL BE PROVIDED TO THE OWNER AND A/E TEAM UPON COMPLETION OF THE NEW WORK. THESE EXISTING UNITS SHALL BE REBALANCED TO EXISTING CONDITIONS.

NOTES BY SYMBOL: "⬡"

1 PROVIDE AND INSTALL NEW DOMESTIC WATER HEATER AS SHOWN. ROUTE NEW 4" PVC FLUE UP FROM NEW WATER HEATER TO EXISTING ROOF PENETRATION AND TERMINATE FLUE ABOVE ROOF. REFER TO MANUFACTURER FOR ROUTING GUIDELINES AND CONNECTION REQUIREMENTS. EXTEND EXISTING HOUSE KEEPING PAD TO ACCOMODATE NEW WATER HEATER LOCATION.

2 PROVIDE AND INSTALL NEW BOILER ON EXISTING EQUIPMENT PAD. CONNECT NEW BOILER TO EXISTING HEATING WATER PIPING. REFER TO MANUFACTURER FOR CONNECTION REQUIREMENTS. ROUTE NEW FLUE UP IN SPACE FROM NEW BOILER TO EXISTING ROOF PENETRATION AND TERMINATE WITH RAIN CAP. REFER TO MANUFACTURER FOR FLUE ROUTING REQUIREMENTS. EXTEND EXISTING HOUSE KEEPING PAD TO ACCOMODATE NEW HEATING WATER BOILER LOCATION.

3 ROUTE 1-1/2" CONDENSATE DRAIN FROM AHU-3 AND 1-1/2" CD FROM AHU-4 AND AHU-5 AND DISCHARGE (INDIRECTLY) INTO EXISTING FLOOR DRAIN.

4 PROVIDE AND INSTALL NEW 4" DOUBLE CHECK VALVE ASSEMBLY. CONNECT NEW DOUBLE CHECK VALVE TO EXISTING 4" DOMESTIC WATER PIPING. CONNECT NEW DOUBLE CHECK VALVE TO EXISTING 8" DOMESTIC WATER MAIN.

5 PROVIDE AND INSTALL NEW NEW CHILLED WATER PUMP ON EXISTING EQUIPMENT PAD AS SHOWN AND EXTEND AS NECESSARY. CONNECT NEW CHILLED WATER PUMP TO EXISTING HYDRONIC PIPING. FIELD VERIFY FINAL CONNECTION REQUIREMENTS.

6 ROUTE NEW 2" CHS AND CHR PIPING FROM AHU-4 AND CONNECT TO EXISTING CHS AND CHR PIPING. ROUTE NEW 1-1/2" HWS AND HWR PIPING FROM AHU-4 AND CONNECTING TO HWS AND HWR PIPING.

7 PROVIDE AND INSTALL NEW HEATING WATER PUMPS ON EXISTING WALL. SECURELY MOUNT NEW HYDRONIC PUMPS ON EXISTING WALL AND CONNECT TO EXISTING HEATING WATER PIPING.

8 ROUTE NEW 8" VENT UP FROM NEW BOILER AND CONTINUE AS SHOWN. ROUTE NEW FLUE UP THROUGH ROOF TO LEVEL ABOVE.

9 CONNECT NEW HWS AND PIPING TO EXISITING PIPING AND ROUTE UNDENEATH AHU-3 AND NEW SUPPORT STRUCTURE.

10 EXISTING UNIT HEATER TO REMAIN. TEMPORARILY RELOCATE AND REINSTALL AS NECESSARY TO ACCOMODATE THE INSTALLATION OF THE NEW BOILER. RELOCATION MAY REQUIRE ASSOCIATED GAS PIPING AND POWER TO BE REROUTED.

11 CD PIPING DOWN FROM AHU-3 ROUTED TO EXISTING FLOOR DRAIN.

12 CD PIPING DOWN FROM AHU-5. ROUTED TO EXISTING FLOOR DRAIN.

14 ROUTE 1-1/2" CONDENSATE DRAIN TO EXISTING FLOOR DRAIN FROM B-1.

15 CONNECT NEW 6" CHS PIPING TO EXISTING 6" CHS PIPING AND ROUTE AS SHOWN.

16 PROVIDE DOMESTIC WATER FLOW METER OF OMNI COMPOUND C2 WATERFLOW METER OR EQUIVALENT TO BE INSTALLED ON 4" MAIN DOMESTIC WATER MAIN LINE INSTALL WITH BYPASS VALVE FOR SERVICING.

17 ROUTE 2-1/2" CHS AND CHR PIPING FROM ABOVE DOWN INTO CRAWLSPACE. VERIFY EXISTING CONDITIONS AND REROUTE PIPING AS NEEDED.

18 PROVIDE AND CONNECT SUB-METER ON MAKE-UP WATER PIPING FOR HEATING WATER SYSTEM. OWNER MODEL WNT-A-C OR GREATER OR DALLAS ISD APPROVED EQUAL. INTEGATE METER INTO FMCS.

19 EXISTING UNIT HEATER TO REMAIN.

20 EXISTING UNIT HEATER TO REMAIN. TEMPORARILY RELOCATE AND REINSTALL AS NECESSARY TO ACCOMODATE THE INSTALLATION OF THE NEW AHUS. RELOCATION MAY REQUIRE ASSOCIATED GAS PIPING AND POWER TO BE REROUTED.

21 ROUTE NEW 6" FLUE UP FROM NEW DOMESTIC WATER HEATER AND CONNECT TO 6" AIR INTAKE USING MANUFACTURER CONCENTRIC VENT KIT. ROUTE 7" CONCENTRIC VENT UP THROUGH ROOF TO LEVEL ABOVE AND TERMINATE. REFER TO MANUFACTURER FOR INSTALLATION REQUIREMENTS AND INSTRUCTIONS.

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DRAWN	RT
CHECKED	ILB

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ONE INCH

REVISIONS:

PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS

STATE OF TEXAS — IAN L. BOST — 96649 — LICENSED PROFESSIONAL ENGINEER — 11/11/2024

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

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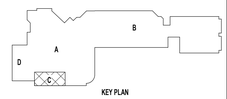

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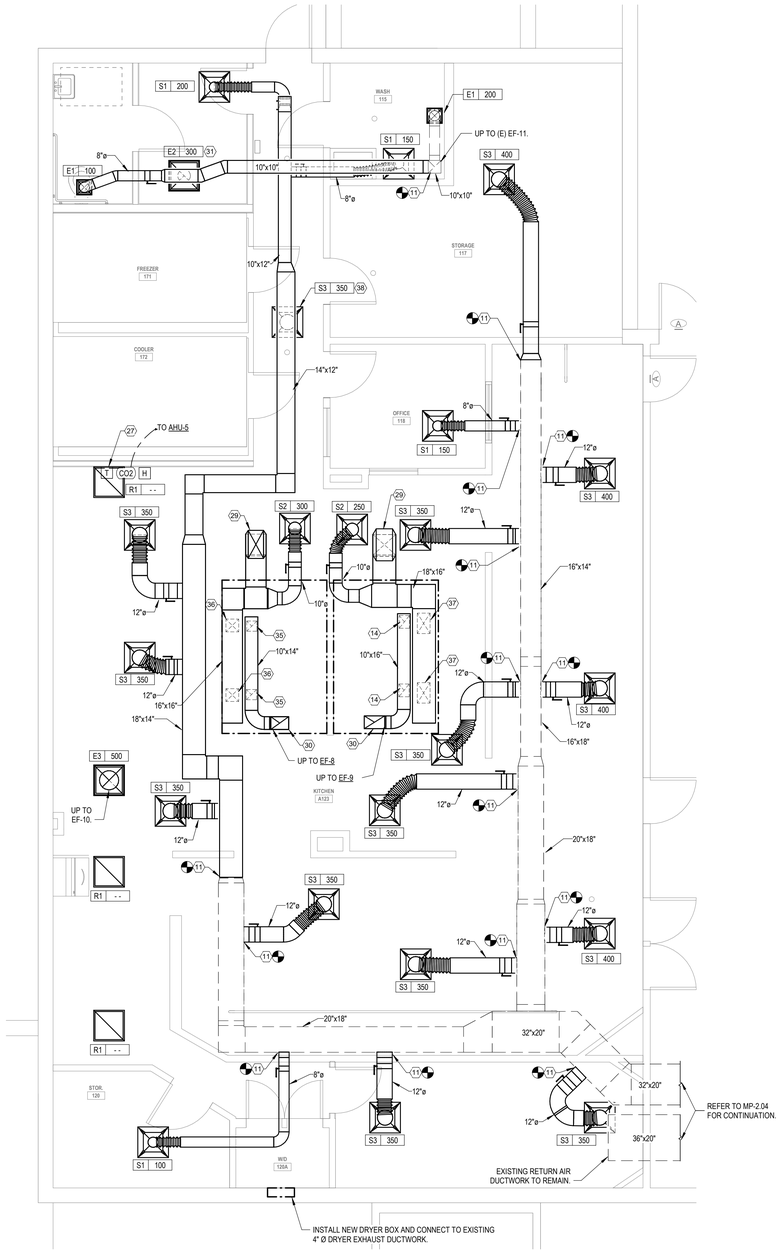
ENLARGED MECHANICAL ROOM/BOILER ROOM - LEVEL 1

MP-2.01

12/9/2024 10:59:16 AM

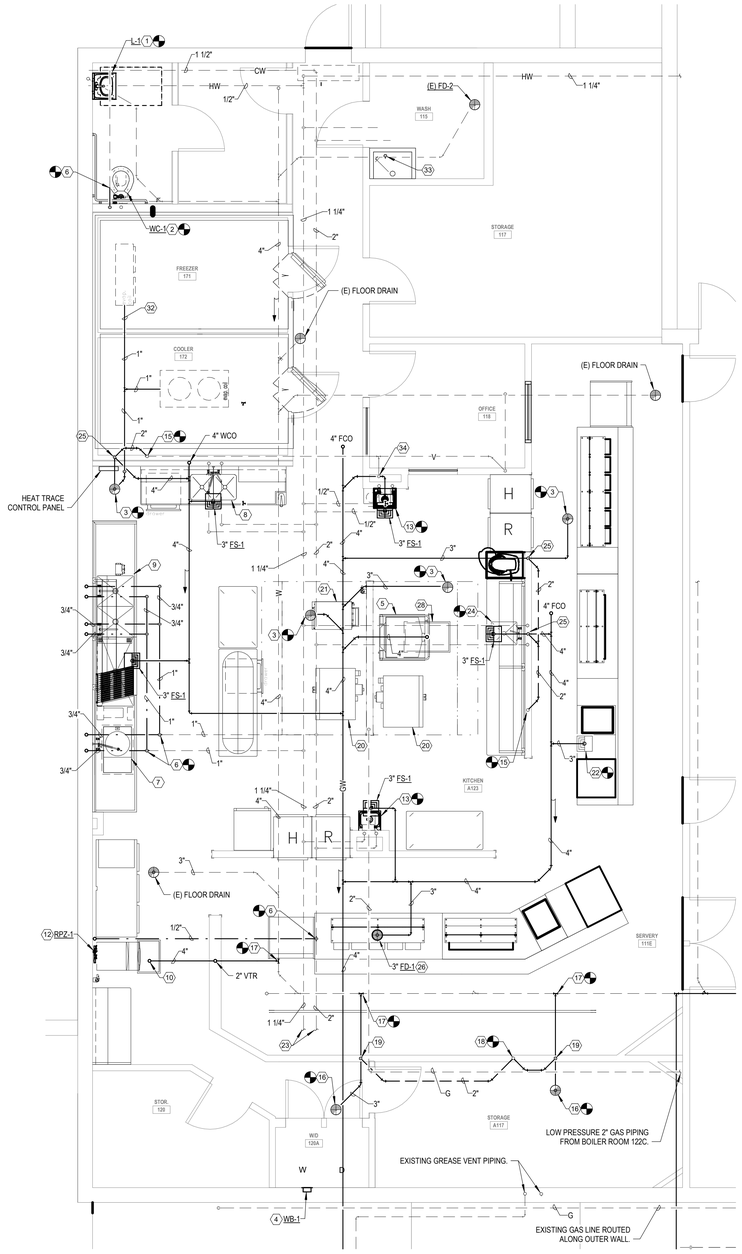
Autodesk Docs://DISD James Bowie ES/DISD James Bowie MPPA - BHB_R24.rvt



1 KITCHEN PLAN - LEVEL 1 - MECH

1/4" = 1'-0"

NORTH



2 KITCHEN PLAN - LEVEL 1 - PLBG

1/4" = 1'-0"

NORTH

2021 IMC - AIR BALANCE SCHEDULE				
OUTSIDE AIR		EXHAUST		
TAG	CFM	TAG	CFM	
MUA-1	1,500	EF-8	1,500	
MUA-2	1,750	EF-9	1,750	
AHU-5	1,100	EF-10	500	
		EF-11	600	
TOTAL	4,350	TOTAL	4,350	
FOOD SERVICE PRESSURIZATION (OA-EA) =				0

SHEET NOTES:

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3. TAB CONTRACTOR SHALL MEASURE THE CHILLED AND HEATING WATER FLOW RATES AT ALL EXISTING AHUS TO REMAIN (AHU-6 AND AHU-7). THE RECORDED INFORMATION SHALL BE PROVIDED TO THE OWNER AND A/E TEAM UPON COMPLETION OF THE NEW WORK. THESE EXISTING UNITS SHALL BE REBALANCED TO EXISTING CONDITIONS.

NOTES BY SYMBOL: " ⬡ "

1 NEW LAVATORY ON EXISTING WALL. INSTALL LAVATORY USING CONCEALED ARM CARRIER. CONNECT LAVATORY TO EXISTING DOMESTIC WATER AND WASTE CONNECTIONS.
2 ROUTE 4" W PIPING FROM WATER CLOSET TO EXISTING WASTE PIPING BELOW SLAB. ROUTE 2" V UP IN WALL FROM WASTE PIPING BELOW SLAB AND CONTINUE TO EXISTING VENT PIPING ABOVE CEILING. ROUTE 1-1/4" CW UP IN WALL FROM BELOW SLAB AND CONTINUE TO NEW WATER CLOSET. PROVIDE AND INSTALL WATER HAMMER ARRESTOR PRIOR TO FINAL CONNECTION.
3 FIELD VERIFY EXISTING FLOOR DRAIN OUTLET SIZE. ROUTE 3" GW FROM FLOOR DRAIN AND CONTINUE TO NEW GREASE WASTE MAIN AS SHOWN.
4 INSTALL NEW "GUY GRAY" OUTLET BOX IN EXISTING WALL. CONNECT EXISTING WASHER AND DRYER UTILITIES TO NEW OUTLET BOX. CONNECT EXISTING WASHER AND DRYER TO NEW OUTLET BOX CONNECTIONS. FIELD VERIFY CONNECTION REQUIREMENTS PRIOR TO BEGINNING WORK.
5 ROUTE 1" GAS (90 CFH) PIPING FROM EXISTING GAS MAIN AND CONNECT TO TILT SKILLET (SPECIFIED BY OTHERS). PROVIDE AND INSTALL 6" DIRT LEG AND ISOLATION VALVE PRIOR TO EQUIPMENT CONNECTION.
6 CONNECT DOMESTIC WATER PIPING, SIZED AS SHOWN, TO EXISTING DOMESTIC WATER PIPING.
7 ROUTE 3/4" CW AND 3/4" HW UP IN WALL TO SINGLE COMPARTMENT SINK (SPECIFIED BY OTHERS AND INSTALLED AS A PART OF THIS CONTRACT). ROUTE 2" GW FROM NEW SINK TO DISCHARGE (INDIRECTLY) INTO NEARBY FLOOR SINK.
8 CONNECT TWO COMPARTMENT SINK (SPECIFIED BY OTHERS, INSTALLED AS A PART OF THIS CONTRACT) TO EXISTING 3/4" CW AND 3/4" HW PIPING IN EXISTING WALL. ROUTE (2) 2" GW FROM NEW SINK TO DISCHARGE (INDIRECTLY) INTO FLOOR SINK. EACH BOWL SHALL BE DRAINED INDIVIDUALLY.
9 ROUTE (2) 3/4" CW AND (2) 3/4" HW UP IN WALL TO NEW THREE COMPARTMENT SINK (SPECIFIED BY OTHERS, INSTALLED AS A PART OF THIS CONTRACT). ROUTE (3) 2" GW FROM NEW SINK TO DISCHARGE (INDIRECTLY) INTO FLOOR SINK. EACH BOWL SHALL BE DRAINED INDIVIDUALLY.
10 ROUTE 4" WASTE DOWN FROM NEW FLOOR THROUGH (SPECIFIED BY OTHERS) AND CONTINUE AS SHOWN BELOW EXISTING SLAB.
11 CONNECT DUCTWORK TO EXISTING DUCTWORK ABOVE CEILING AND CONTINUE AS SHOWN.
12 ROUTE 1/2" CW FROM EXISTING MAIN AND CONTINUE UP ALONG WALL FROM BELOW SLAB TO CONNECT TO RPZ. ROUTE 1/2" CW FROM RPZ TO WATER FILTER SYSTEM (SPECIFIED BY OTHERS, INSTALLED AS A PART OF THIS CONTRACT). REFER TO FOOD SERVICE DRAWINGS FOR CONTINUATION.
13 CONNECT HAND SINK (SPECIFIED BY OTHERS, INSTALLED AS A PART OF THIS CONTRACT) TO EXISTING 1/2" CW AND 1/2" HW IN EXISTING WALL. INSTALL HAND SINK WITH ASSOCIATED ASSE 1070 THERMOSTATIC MIXING VALVE (WATTS LFMMV OR APPROVED EQUAL). ROUTE 2" WASTE FROM HAND SINK AND DISCHARGE (INDIRECTLY) INTO FLOOR SINK. ROUTE 3" GREASE WASTE FROM FLOOR SINK TO GREASE WASTE MAIN.
13 CONNECT HAND SINK (SPECIFIED BY OTHERS, INSTALLED AS A PART OF THIS CONTRACT) TO EXISTING 1/2" CW AND 1/2" HW IN EXISTING WALL. ROUTE 2" WASTE FROM HAND SINK AND DISCHARGE (INDIRECTLY) INTO FLOOR SINK. ROUTE 3" GREASE WASTE FROM FLOOR SINK TO GREASE WASTE MAIN.
14 ROUTE 8" X 10" EXHAUST DUCT UP FROM COLLAR ON KITCHEN HOOD AND CONTINUE AS SHOWN. BALANCE TO 875 CFM EACH. MANUAL BALANCING DAMPERS SHALL BE LISTED AND COMPLY WITH ALL UL STANDARD 710 REQUIREMENTS AND COMPLY WITH NFPA REQUIREMENTS. REFER TO FOOD SERVICE SHEETS FOR MORE HOOD INFORMATION.
15 CONNECT VENT PIPING TO EXISTING VENT THROUGH ROOF.
16 FIELD VERIFY EXISTING FLOOR DRAIN OUTLET SIZE. ROUTE 3" W FROM EXISTING FLOOR DRAIN AND CONTINUE TO EXISTING SANITARY WASTE MAIN
17 CONNECT WASTE PIPING, SIZED AS SHOWN, TO EXISTING SANITARY WASTE MAIN BELOW SLAB.
18 FIELD VERIFY EXISTING VENT THROUGH ROOF SIZE, AND LOCATION. CONNECT 2" VENT PIPING TO EXISTING VTR AS SHOWN.
19 ROUTE 2" VENT UP IN WALL FROM WASTE PIPING, SIZED AS SHOWN, BELOW SLAB AND CONTINUE TO EXISTING VTR.
20 ROUTE 1" GAS (50 CFH) FROM EXISTING GAS MAIN TO DOUBLE CONVECTION OVEN. PROVIDE AND INSTALL NEW 6" DIRTLEG AND ISOLATION VALVES PRIOR TO EQUIPMENT CONNECTION.
21 ROUTE 1-1/2" GAS (200 CFH) FROM EXISTING GAS MAIN TO DOUBLE STACKED STEAMER (SPECIFIED BY OTHERS, INSTALLED AS A PART OF THIS CONTRACT). PROVIDE AND INSTALL 6" DIRTLEG AND ISOLATION VALVES PRIOR TO EQUIPMENT CONNECTION.
22 FIELD VERIFY EXISTING FLOOR SINK OUTLET SIZE. ROUTE 3" GW FROM FLOOR DRAIN AND CONTINUE TO GREASE WASTE MAIN AS SHOWN.
23 EXISTING 2" CW AND 1-1/2" HW (140 DEGREES) SERVING THE EXISTING KITCHEN.
24 CONNECT SINGLE COMPARTMENT SINK (SPECIFIED BY OTHERS, INSTALLED AS A PART OF THIS CONTRACT) TO EXISTING 1/2" CW AND 1/2" HW IN EXISTING WALL. ROUTE 2" GW DOWN FROM SINGLE COMPARTMENT SINK AND DISCHARGE (INDIRECTLY) INTO FLOOR SINK. ROUTE 3" GW FROM NEW FLOOR SINK AND CONTINUE AS SHOWN BELOW SLAB.
25 ROUTE 2" VENT UP FROM GREASE WASTE PIPING, SIZED AS SHOWN, BELOW SLAB AND CONTINUE TO ABOVE CEILING. ROUTE 2" VENT TO EXISTING VTR AS SHOWN.
26 ROUTE 3" GW PIPING FROM FLOOR DRAIN AND CONTINUE AS SHOWN TO GW MAIN.
27 INSTALL THERMOSTAT AND CONTROLS FOR AHU-5 IN PREVIOUS THERMOSTAT LOCATION.
28 ROUTE 4" GREASE WASTE DOWN FROM FLOOR THROUGH (SPECIFIED BY OTHERS, INSTALLED AS A PART OF THIS CONTRACT) AND CONTINUE AS SHOWN BELOW EXISTING SLAB.
29 MAKE UP AIR DUCTWORK ROUTED DOWN FROM MAKE UP AIR UNIT.
30 GREASE EXHAUST DUCTWORK DOWN FROM EXHAUST FAN. PROVIDE DRAINS IN THE GREASE DUCT AT OFFSETS AS REQUIRED AND DISCHARGE INDIRECTLY NEAREST FLOOR DRAIN/SINK GOING TO GREASE WASTE.
31 TAP 10" Ø DUCT FROM MAIN AND PROVIDE MANUAL VOLUME DAMPER TO AIR DEVICE BELOW.
32 ROUTE FULL SIZED CONDENSATE FROM FREEZER (SPECIFIED BY OTHERS) AS SHOWN. ROUTE CD DOWN ALONG WALL AND DISCHARGE (INDIRECTLY) INTO FLOOR DRAIN. CONDENSATE PIPING SHALL BE GUARDED AGAINST FREEZING. PROVIDE HEAT TRACE TO BE EQUAL TO CHROMALOX CPR. FOR PIPES 2-1/2" AND SMALLER, THE HEAT TRACE SHALL BE INSTALLED ON THE BOTTOM OF THE PIPING. PROVIDE AND INSTALL CHROMALOX JUNCTION BOX AND JUNCTION BOX CONNECTION KIT FOR ELECTRICAL CONNECTION OF HEAT TRACE. CONTRACTOR SHALL COORDINATE LOCATION OF JUNCTION BOXES AND ALL ELECTRICAL REQUIREMENTS WITH THE ELECTRICAL CONTRACTOR.
33 1" CD PIPING DOWN FROM ROOF.
34 CONNECT 4" GREASE WASTE PIPING TO EXISTING VENT PIPING.
35 ROUTE 8" X 8" EXHAUST DUCT UP FROM COLLAR ON KITCHEN HOOD AND CONTINUE AS SHOWN. BALANCE TO 750 CFM EACH. MANUAL BALANCING DAMPERS SHALL BE LISTED AND COMPLY WITH ALL UL STANDARD 710 REQUIREMENTS AND COMPLY WITH NFPA REQUIREMENTS. REFER TO FOOD SERVICE SHEETS FOR MORE HOOD INFORMATION.
36 ROUTE 10" X 10" MAKEUP AIR DUCT DOWN TO COLLAR ON KITCHEN HOOD AND CONTINUE AS SHOWN. BALANCE TO 600 CFM EACH. MANUAL BALANCING DAMPERS SHALL BE LISTED AND COMPLY WITH ALL ALL UL STANDARD 710 REQUIREMENTS AND COMPLY WITH NFPA REQUIREMENTS. REFER TO FOOD SERVICE SHEETS FOR MORE HOOD INFORMATION.
37 ROUTE 10" X 16" MAKEUP AIR DUCT DOWN TO COLLAR ON KITCHEN HOOD AND CONTINUE AS SHOWN. BALANCE TO 700 CFM EACH. MANUAL BALANCING DAMPERS SHALL BE LISTED AND COMPLY WITH ALL ALL UL STANDARD 710 REQUIREMENTS AND COMPLY WITH NFPA REQUIREMENTS. REFER TO FOOD SERVICE SHEETS FOR MORE HOOD INFORMATION.
38 TAP 12" Ø DUCT FROM MAIN AND PROVIDE MANUAL VOLUME DAMPER TO AIR DEVICE BELOW.

COMM. NO.	1288
DATE	11/11/2024
DRAWN	RT
CHECKED	ILB

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS

STATE OF TEXAS
IAN L. BOST
96649
LICENSED PROFESSIONAL ENGINEER
11/11/2024

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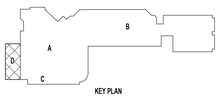
TBAE FIRM # BR 3350

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT
JAMES BOWIE ELEMENTARY SCHOOL
330 NORTH MARSALIS AVE, DALLAS, TX 75203



KEY PLAN

BAIRD, HAMPTON & BROWN
building partners
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TBPELS Firm #44, #10011300, #10011302, #10194146
BHB PROJECT # 2023.183.000

ENLARGED MECH/PLBG KITCHEN FLOOR PLAN - AREA A - LEVEL 1

MP-2.02

Autodesk Docs://DISD James Bowie ES/DISD James Bowie MPPA - BHB_R24.rvt

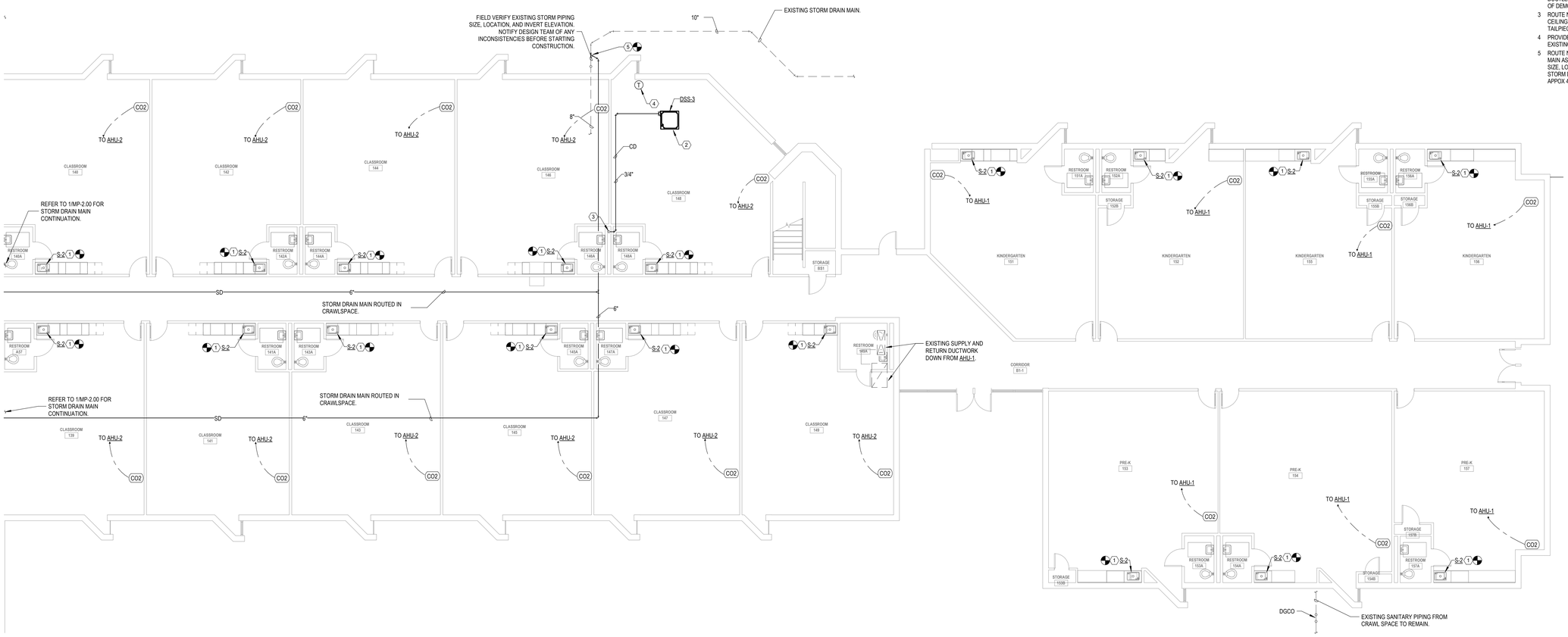
12/9/2024 10:59:19 AM

SHEET NOTES:

1. DRAWINGS ARE BASED ON LIMITED FIELD OBSERVATIONS. ORIGINAL CONSTRUCTION DOCUMENTS WERE PROVIDED; HOWEVER, MANY RENOVATIONS HAVE OCCURRED SINCE THEN. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES, OMMISSIONS, OR INCONSISTENCIES BEFORE STARTING CONSTRUCTION.
2. CONTRACTOR SHALL HAVE TAB CONTRACTOR MEASURE AND RECORD AIRFLOW (CFM) AT ALL EXISTING AIR DEVICES AND REBLANCE NEW AHUIRTU UNITS AND EXISTING AIR DEVICES TO THE MEASURED AIRFLOWS. TAB CONTRACTOR SHALL RECORD ALL EXISTING AIRFLOWS AND PROVIDE THE RESULTS TO THE OWNER AND DESIGN TEAM.
3. TAB CONTRACTOR SHALL MEASURE THE CHILLED AND HEATING WATER FLOW RATES AT ALL EXISTING AHUS TO REMAIN (AHU-6 AND AHU-7). THE RECORDED INFORMATION SHALL BE PROVIDED TO THE OWNER AND A/E TEAM UPON COMPLETION OF THE NEW WORK. THESE EXISTING UNITS SHALL BE REBALANCED TO EXISTING CONDITIONS.

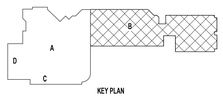
NOTES BY SYMBOL: "⬡"

1. PROVIDE AND INSTALL NEW SINK IN NEW COUNTERTOP. CONNECT NEW SINK TO EXISTING DOMESTIC WATER, WASTE, AND VENT UTILITIES.
2. PROVIDE AND INSTALL NEW CEILING-MOUNTED DUCTLESS SPLIT UNIT IN EXISTING CEILING PENETRATION OF DEMOLISHED CEILING-MOUNTED UNIT.
3. ROUTE NEW 3/4" CD DOWN IN CHASE FROM ABOVE CEILING AND CONNECT TO EXISTING LAVATORY P-TRAP TAILPIECE. PROVIDE CONDENSATE PUMP WITH DSS.
4. PROVIDE AND INSTALL NEW THERMOSTAT FOR DSS-3 IN EXISTING THERMOSTAT LOCATION.
5. ROUTE NEW 6" STORM DRAIN TO EXISTING STORM DRAIN MAIN AS SHOWN. FIELD VERIFY EXISTING STORM DRAIN SIZE, LOCATION, AND INVERT ELEVATION. CONNECT NEW STORM DRAIN PIPING TO EXISTING STORM MAIN. I.E APPOX 466'-0".



1 MECH/PLBG FLOOR PLAN - AREA B - LEVEL 1
1/8" = 1'-0"

NORTH



KEY PLAN

BAIRD, HAMPTON & BROWN
building partners
6300 Ridglea Pl., Ste. 700 Fort Worth, TX 76116
mail@bhbinc.com • (817)338-1277 • bhbinc.com
TBPELS Firm #44, #10011300, #10011302, #10194146
BHB PROJECT # 2023.183.000

COMM. NO.	1288
DATE	11/11/2024
DRAWN	RT
CHECKED	ILB

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS

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TBAE # PRIM # BR 1330

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

MECH/PLBG FLOOR PLAN - AREA B - LEVEL 1

MP-2.03

Autodesk Docs://DISD James Bowie ESD\DISD James Bowie MPFA - BHB_R24.rvt
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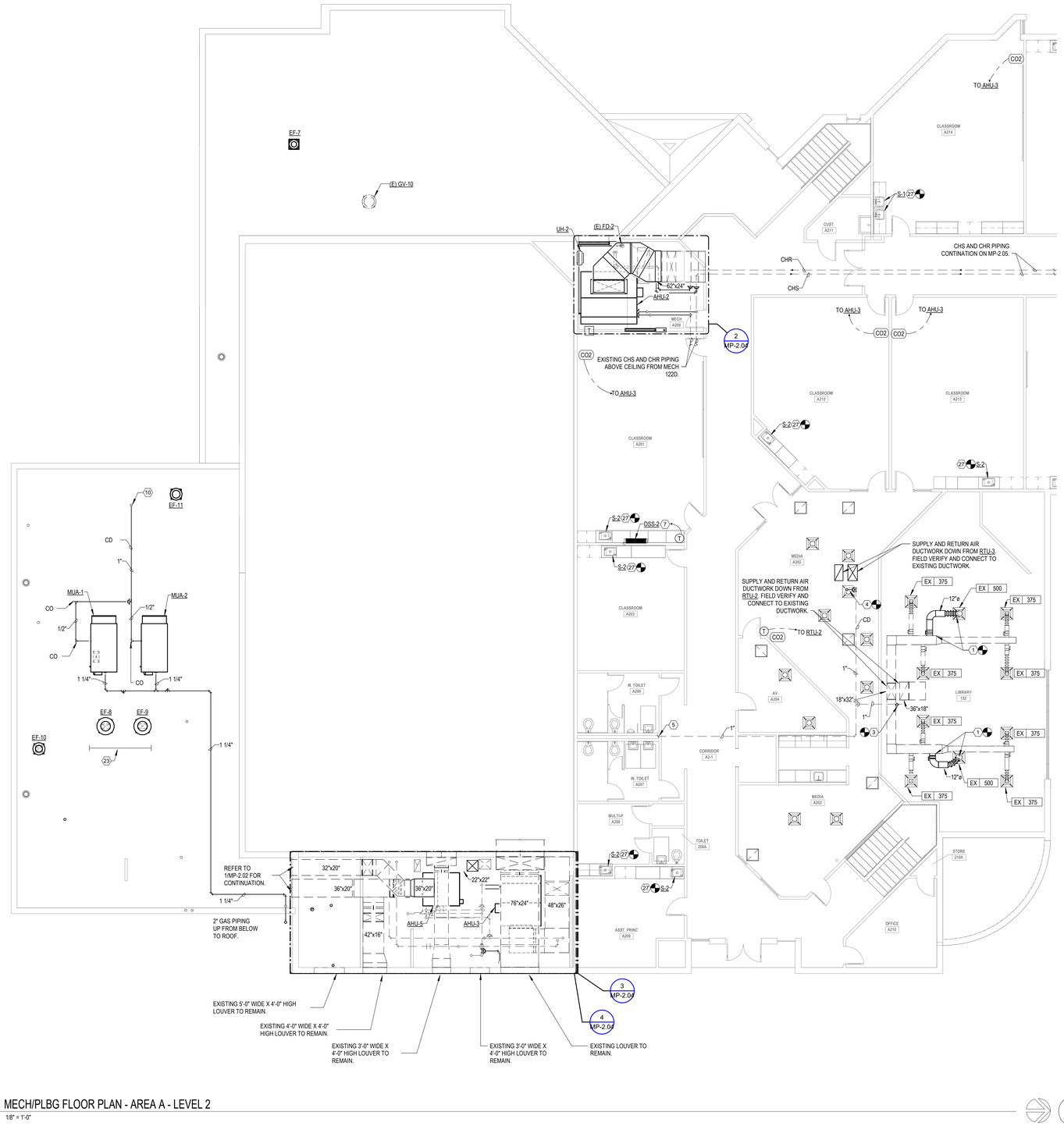
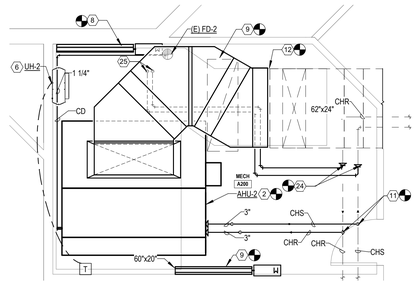
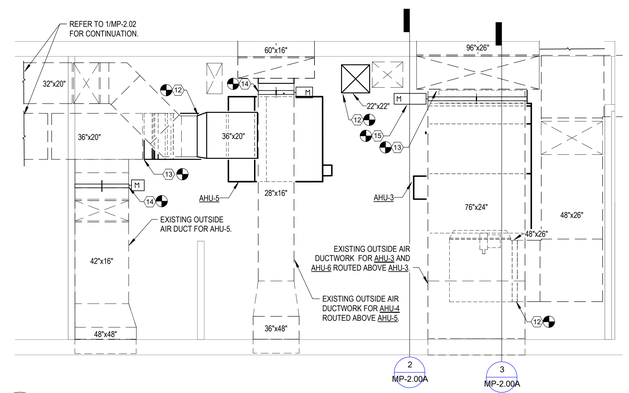


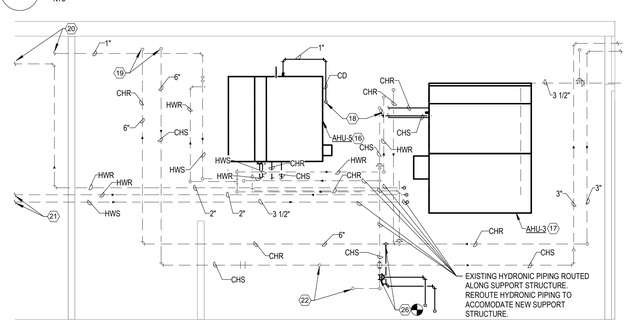
1 MECH/PLBG FLOOR PLAN - AREA A - LEVEL 2
1/8" = 1'-0"



2 MECHANICAL ROOM A200 - MECH/HYDRONIC PLAN LEVEL 2
NTS



3 MECHANICAL ROOM 122D - MECH PLAN LEVEL 2
NTS



4 MECHANICAL ROOM 122D - HYDRONIC PLAN LEVEL 2
NTS

NORTH

KEY PLAN

SHEET NOTES:

1. DRAWINGS ARE BASED ON LIMITED FIELD OBSERVATIONS. ORIGINAL CONSTRUCTION DOCUMENTS WERE PROVIDED, HOWEVER, MANY RENOVATIONS HAVE OCCURRED SINCE THEN. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES, OMMISSIONS, OR INCONSISTENCIES BEFORE STARTING CONSTRUCTION.
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3. TAB CONTRACTOR SHALL MEASURE THE CHILLED AND HEATING WATER FLOW RATES AT ALL EXISTING AHUS TO REMAIN (AH-U-6 AND AHU-7). THE RECORDED INFORMATION SHALL BE PROVIDED TO THE OWNER AND A/E TEAM UPON COMPLETION OF THE NEW WORK. THESE EXISTING UNITS SHALL BE REBALANCED TO EXISTING CONDITIONS.

NOTES BY SYMBOL: "⬡"

1. CONNECT NEW BRANCH DUCTWORK TO EXISTING DUCT MAIN. ROUTE NEW BRANCH DUCTWORK AS SHOWN AND CONNECT TO EXISTING AIR DEVICE.
2. AHU-2 ON NEW EQUIPMENT PAD. ROUTE NEW 3" CHS AND CHR PIPING FROM EXISTING CHILLED WATER PIPING AND CONNECT TO AHU-2. CONNECT NEW AHU TO EXISTING DUCTWORK. FIELD VERIFY FINAL CONNECTION REQUIREMENTS. ROUTE CONDENSATE PIPING TO EXISTING FLOOR DRAIN AS SHOWN.
3. ROUTE 3/4" CONDENSATE DRAIN PIPING DOWN FROM RTU-2 ON ROOF ABOVE AND CONTINUE AS SHOWN ABOVE CEILING. CONNECT TO EXISTING CD PIPING AS SHOWN.
4. ROUTE 3/4" CONDENSATE DRAIN PIPING DOWN FROM RTU-3 ON ROOF ABOVE AND CONTINUE AS SHOWN ABOVE CEILING. CONNECT TO EXISTING CD PIPING AS SHOWN.
5. EXISTING 1-1/4" AC CONDENSATE DRAIN TERMINATES INTO HUB DRAIN AND INTO TOILET CHASE.
6. INSTALL UNIT HEATER ON WALL NEAR LOUVER.
7. DSS UNIT ON EXISTING WALL. ROUTE 3/4" CONDENSATE DRAIN FROM DSS UNIT AND CONTINUE DOWN IN WALL TO LEVEL BELOW. REFER TO 1/MP-2.02 FOR CONTINUATION.
8. REPLACE EXISTING MOTORIZED DAMPER ON OUTSIDE AIR DUCT FOR AHU-2.
9. INSTALL NEW MOTOROZIED DAMPER ON OUTSIDE AIR DUCT FOR AHU-2.
10. CD PIPING FROM MAU-1 AND MAU-2 DOWN TO EXISTING MOP SINK.
11. CONNECT NEW 3" CHS AND CHR PIPING TO EXISTING 3" CHS AND CHR PIPING.
12. ROUTE SUPPLY AIR DUCTWORK FROM AHU AND CONNECT TO EXISTING SUPPLY AIR DUCTWORK.
13. ROUTE RETURN AIR DUCTWORK FROM AHU AND CONNECT TO EXISTING RETURN AIR DUCTWORK.
14. NEW MOTORIZED DAMPER INSTALLED ON EXISTING OUTSIDE AIR DUCTWORK REFER TO ELEVATION A ON MP-2.00.
15. NEW MOTORIZED DAMPER INSTALLED ON EXISTING OUTSIDE AIR DUCTWORK REFER TO ELEVATION B ON MP-2.00.
16. ROUTE 2-1/2" CHS AND CHR PIPING TO AHU-5 AND CONNECT TO EXISTING CHS AND CHR PIPING. ROUTE NEW 1-1/2" HWS AND HWR PIPING FROM AHU-5 AND CONNECTION TO EXISTING HWS AND HWR PIPING.
17. ROUTE NEW 3" CHS AND CHR PIPING FROM AHU-5 AND CONNECT TO EXISTING CHS AND CHR PIPING.
18. CD PIPING DOWN TO FLOOR DRAIN.
19. CHS AND CHR PIPING UP FROM CRAWL SPACE.
20. EXISTING HWS AND HWR PIPING ROUTED IN BOILER ROOM.
21. EXISTING HWS AND HWR PIPING ROUTED IN BOILER ROOM.
22. EXISTING CHS PIPING ROUTED DOWNS TO CHW PUMPS AND UP TO SERVE ALL THE AHU'S IN THE MECHANICAL ROOM.
23. PROVIDE UNIT STRUT RACK TO MOUNT VFDS FOR EF-8 AND EF-9. ADD RACK TO BASE RAILS FLASHED INTO THE ROOF.
24. CONNECT NEW 2" CHS AND CHR PIPING TO EXISTING 2" CHS AND CHR PIPING.
25. 2" CHS AND CHR ROUTED UP FROM BELOW SLAB AND INSTALLED UNDERNEATH DUCTWORK.
26. CONNECT NEW 2-1/2" CHS AND CHR PIPING TO EXISTING 6" CHS AND CHR PIPING. REFER TO MP-2.00 FOR CONTINUATION DOWN INTO CRAWL SPACE AND FOLLOW ROUTING AS SHOWN.
27. CONNECT SINK TO EXISTING DOMESTIC WATER, WASTE, AND VENT UTILITIES.

COMM. NO.	1288
DATE	11/11/2024
DRAWN	RT
CHECKED	ILB

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS

IAN L. BOST 96649 LICENSED PROFESSIONAL ENGINEER 11/11/2024

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TBPELS Firm #44, #10011300, #10011302, #10194146
BHB PROJECT # 2023.183.000

MECH/PLBG FLOOR PLAN - AREA A - LEVEL 2

MP-2.04

Autodesk Docs://IDSD/James Bowie ES/IDSD James Bowie MPPA - BHB_R24.rvt

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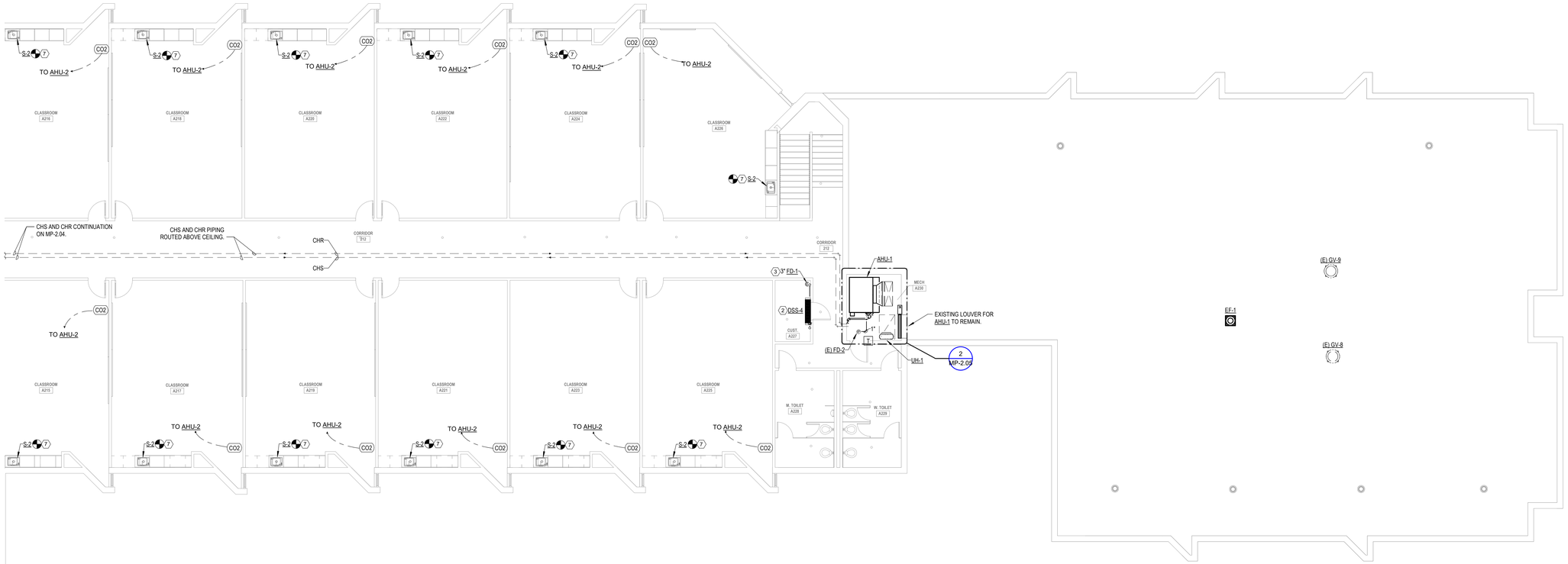
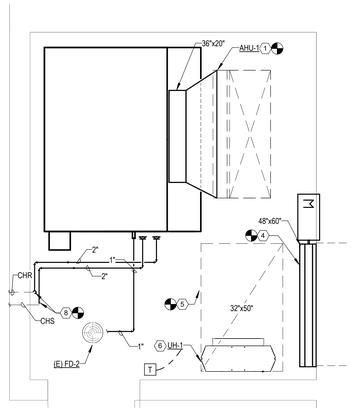


1 MECH/PLBG FLOOR PLAN - AREA B - LEVEL 2
1/8" = 1'-0"

NORTH



2 MECH ROOM A230 - MECH/HYDRONIC LEVEL 2 PLAN
NTS

SHEET NOTES:

1. DRAWINGS ARE BASED ON LIMITED FIELD OBSERVATIONS. ORIGINAL CONSTRUCTION DOCUMENTS WERE PROVIDED; HOWEVER, MANY RENOVATIONS HAVE OCCURRED SINCE THEN. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES, OMMISSIONS, OR INCONSISTENCIES BEFORE STARTING CONSTRUCTION.
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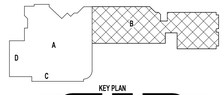
NOTES BY SYMBOL: "◌"

1 PROVIDE AND INSTALL NEW AHU ON NEW EQUIPMENT PAD. CONNECT NEW AHU TO EXISTING CHILLED WATER PIPING. CONNECT NEW AHU TO EXISTING DUCTWORK. FIELD VERIFY FINAL CONNECTION REQUIREMENTS. ROUTE NEW 1" CONDENSATE DRAIN FROM NEW AHU AND DISCHARGE (INDIRECTLY) INTO NEARBY FLOOR DRAIN. ROUTE NEW 2" CHS AND CHR FROM AHU-2 AND CONNECT TO NEW 2" CHS AND CHR PIPING.
2 PROVIDE AND INSTALL NEW WALL-MOUNTED DUCTLESS SPLIT SYSTEM TO SERVE IDF ROOM.
3 ROUTE 3" SANITARY WASTE PIPING DOWN TO LEVEL BELOW. ROUTE 2" V UP FROM NEW SANITARY WASTE PIPING AND CONTINUE UP IN WALL TO ABOVE CEILING. ROUTE 2" V ABOVE EXISTING CEILING TO CONNECT TO EXISTING VENT MAIN PIPING. FIELD VERIFY EXISTING VENT PIPING SIZE, LOCATION, AND ELEVATION. ROUTE 3/4" CD DOWN ALONG WALL FROM DSS-4 UNIT TO DISCHARGE (INDIRECTLY) INTO FLOOR DRAIN.
4 MOTORIZED DAMPER FOR OUTSIDE AIR DUCTWORK AND RETURN AIR DUCTWORK FOR AHU-1.
5 INSTALL NEW MOTORIZED DAMPER FOR RETURN AIR DUCTWORK AND RETURN AIR DUCTWORK FOR AHU-1. SEE SPECIFICATIONS FOR SEQUENCE OF OPERATIONS.
6 INSTALL UNIT HEATER ON WALL NEAR LOUVER. COORDINATE HEIGHT WITH (E) DUCTWORK.
7 SINK IN NEW COUNTERTOP. CONNECT SINK TO EXISTING DOMESTIC WATER, WASTE, AND VENT UTILITIES.
8 CONNECT 2" CHS/CHR TO EXISTING 2" CHS/CHR IN MECHANICAL ROOM.



KEY PLAN

BAIRD, HAMPTON & BROWN
building partners
6300 Ridglea Pl., Ste. 700 Fort Worth, TX 76116
mail@bhbinc.com • (817)338-1277 • bhbinc.com
TBPELS Firm #44, #10011300, #10011302, #10194146
BHB PROJECT # 2023.183.000

COMM. NO.	1288
DATE	11/11/2024
DRAWN	RT
CHECKED	ILB

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS

IAN L. BOST 96649 LICENSED PROFESSIONAL ENGINEER 11/11/2024

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TBAE FIRM # BR 1330

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

MECH/PLBG FLOOR PLAN - AREA B - LEVEL 2

MP-2.05

Autodesk Docs://DISD James Bowie ES/DISD_James Bowie MPFA - BHB_R24.rvt

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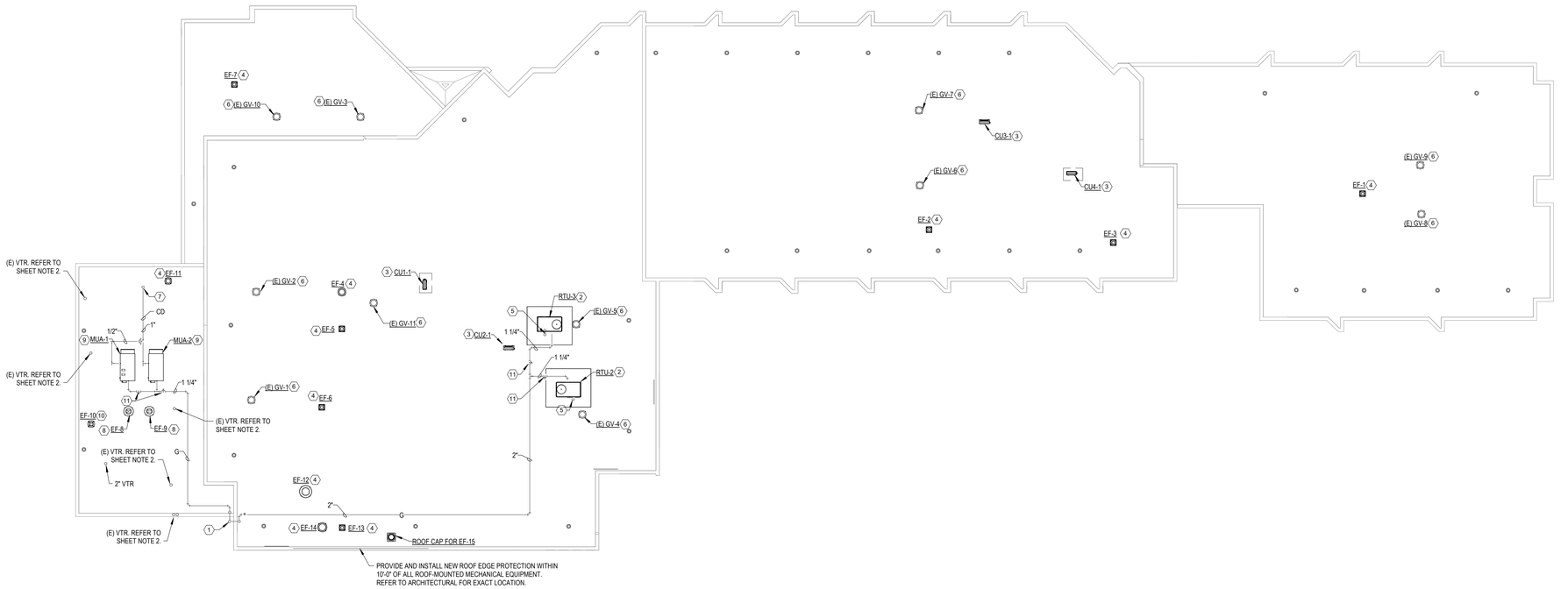

1 OVERALL MECH/PLBG ROOF PLAN

1/16" = 1'-0"

NORTH

SHEET NOTES:

1. DRAWINGS ARE BASED ON LIMITED FIELD OVESERVATIONS. ORIGINAL CONSTRUCTION DOCUMENTS WERE PROVIDED; HOWEVER, MANY RENOVATIONS HAVE OCCURED SINCE THEN. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND NOTIFY ARCHITECT OF ANY DISCREPANCIES, OMMISSIONS, OR INCONSISTENCIES BEFORE STARTING CONSTRUCTION.
2. CONTRACTOR SHALL HAVE TAB CONTRACTOR MEASURE AND RECORD AIRFLOW (CFM) AT ALL EXISTING AIR DEVICES AND REBLANCE NEW AHUIRTU UNITS AND EXISTING AIR DEVICES TO THE MEASURED AIRFLOWS. TAB CONTRACTOR SHALL RECORD ALL EXISTING AIRFLOWS AND PROVIDE THE RESULTS TO THE OWNER AND DESIGN TEAM.
3. TAB CONTRACTOR SHALL MEASURE THE CHILLED AND HEATING WATER FLOW RATES AT ALL EXISTING AHUS TO REMAIN (AHU-6 AND AHU-7). THE RECORDED INFORMATION SHALL BE PROVIDED TO THE OWNER AND A/E TEAM UPON COMPLETION OF THE NEW WORK. THESE EXISTING UNITS SHALL BE REBALANCED TO EXISTING CONDITIONS.
4. CONTRACTOR SHALL EXTEND ALL ELECTRICAL CONTROL WIRING AND/OR DDC CONTROL WIRES AS NEEDED TO ACCOMODATE NEW ROOF MOUNTED EQUIPMENT AT NO COST TO THE OWNER. ENSURE THAT 14" OF SLACK IS PRESENT IN THE CONTROL WIRE FOR ANY FUTURE RE-ROOFING PROJECTS.
5. PAINT ALL EXPOSED NATURAL GAS PIPING YELLOW.

NOTES BY SYMBOL: "⬡"

1 ROUTE NEW 2" GAS PIPING (655 CFH) UP ALONG EXTERIOR WALL TO ROOF. ROUTE NEW 1-1/4" G (225 CFH) TO NEW MAKE-UP AIR UNITS AS SHOWN. ROUTE NEW 2" G (440 CFH) TO NEW ROOFTOP UNITS AS SHOWN.
2 PROVIDE AND INSTALL NEW RTU ON NEW ROOF CURB ADAPTER. CONNECT NEW RTU TO EXISTING DUCTWORK. FIELD VERIFY FINAL CONNECTION REQUIREMENTS. ROUTE NEW 1-1/4" GAS TO NEW RTU. ROUTE NEW 3/4" CD FROM NEW RTU AND CONTINUE AS SHOWN TO NEW ROOF PENETRATION. REFER TO 1/MP-2.05 FOR CONTINUATION. TRANSITION AS REQUIRED TO MAKE FINAL CONNECTIONS.
3 PROVIDE AND INSTALL NEW OUTDOOR CONDENSING UNIT.
4 ADD ALTERNATE #3: PROVIDE AND INSTALL NEW ROOF-MOUNTED EXHAUST FANS ON NEW ROOF CURBS. CONNECT NEW EXHAUST FANS TO EXISTING EXHAUST DUCTWORK. FIELD VERIFY FINAL CONNECTION REQUIREMENTS.
5 ROUTE NEW CD PIPING DOWN BELOW ROOF AND REFER TO MP-2.5 FOR CONTINUATION.
6 EXISTING GRAVITY ROOF VENTILATOR TO REMAIN.
7 ROUTE 1" CD PIPING FROM MAKEUP AIR UNITS DOWN THROUGH ROOF TO MOP SINK ON LEVEL BELOW.
8 PROVIDE AND INSTALL NEW ROOF-MOUNTED EXHAUST FANS ON NEW ROOF CURBS. CONNECT NEW EXHAUST FANS TO NEW EXHAUST DUCTWORK.
9 INSTALL NEW MAKE-UP AIR UNIT WITH NEW CURB AND ROUTE NEW DUCTOWRK TO KITCHEN EXHUAST HOOD PLENUM. REFER TO STRUCTURAL FOR ANY MODIFICATION NECESSARY TO ACCOMODATE THESE NEW UNITS.
10 PROVIDE AND INSTALL NEW ROOF-MOUNTED EXHAUST FANS ON NEW ROOF CURBS. CONNECT NEW EXHAUST FANS TO NEW EXHAUST DUCTWORK AND ROUTE TO TO CEILING AIR DEVICE. VERIFY EXISTING STRUCUTRAL COMPONENTS FOR ROUTING.
11 PROVIDE ISOLATION GAS PLUG VALVE.

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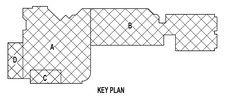

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OVERALL MECH/PLBG ROOF PLAN

MP-2.06

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PLUMBING LEGEND

	COLD WATER (CW)		CAP END OF LINE
	HOT WATER (110°F HW)		RISER DOWN
	HOT WATER RETURN		RISER UP
140°	HOT WATER (140°F HW)		PIPE ANCHOR
	WASTE (SANITARY SEWER)		PLUG CLEANOUT
SD	STORM DRAIN		VALVE IN VERTICAL
OD	OVERFLOW DRAIN		FLEXIBLE CONNECTION
GW	GREASE WASTE		DIRECTION OF FLOW
CD	CONDENSATE DRAIN		DIRECTION OF PITCH (DOWN)
	VENT		HOSE BIBB
G	GAS		FLOOR DRAIN
	GATE VALVE		FLOOR SINK (FULL OR HALF GRATE AS SPECIFIED)
	BALL VALVE		ROOF DRAIN
	CHECK VALVE		OVER FLOW DRAIN
	BALANCE VALVE		HUB DRAIN
	MOTORIZED SHUTOFF VALVE		TRENCH DRAIN
	MODULATING CONTROL VALVE		FIRE RISER
	THREE-WAY MODULATING CONTROL VALVE		PETE'S PLUG (P/T PORT)
	BUTTERFLY VALVE		GAUGE COCK
	STRAINER		GAUGE
	PLUG VALVE		THERMOMETER
	GAS PRESSURE REGULATOR		PIPE WELL
	UNION		THERMOMETER WELL
CA	COMPRESSED AIR		CONNECT TO EXISTING
F	FIRE PROTECTION PIPE		
	EXISTING UTILITY	CO	CLEANOUT
	ITEM TO BE REMOVED	FCO	FLOOR CLEANOUT
SD	STORM DRAIN	WCO	WALL CLEANOUT
W	WASTE	GCO	GRADE CLEANOUT
DS	DOWNSPOUT	DGCO	DOUBLE GRADE CLEANOUT
AFF	ABOVE FINISHED FLOOR	EWC	ELECTRIC WATER COOLER
EA	EACH	NFWH	NON-FREEZE WALL HYDRANT
IE	INVERT ELEVATION	WHA	WATER HAMMER ARRESTOR
(E)	EXISTING	VTR	VENT THRU ROOF

HVAC LEGEND

	EXISTING TO REMAIN		
	ITEM TO BE REMOVED		
	NEW DUCTWORK		
	SUPPLY AIR DIFFUSER		
	RETURN GRILLE		
	EXHAUST GRILLE		
	SIDEWALL GRILLE/DIFFUSER		
	LINEAR SLOT DIFFUSER		
	ROUND FLEXIBLE DUCTWORK (MAX. 6'-0" LENGTH)		
T	THERMOSTAT (MOUNT 4'-0" ABOVE FLOOR)		
T	TEMPERATURE SENSOR (MOUNT 4'-0" ABOVE FLOOR)		
H	HUMIDITY SENSOR		
CO2	CARBON DIOXIDE SENSOR		
CO	CARBON MONOXIDE SENSOR		
	VOLUME DAMPER		
FD	FIRE DAMPER		
SD	SMOKE DAMPER		
F/SD	FIRE/SMOKE DAMPER		
12"x8"	INDICATES 12" x 8" INS. DIM. NET (1ST FIGURE = SIDE SHOWN, 2ND FIGURE = SIDE NOT SHOWN)		
A1 150 TYPE CFM	DIFFUSER OR GRILLE DESIGNATION		
	CONNECT TO EXISTING		
(E)	EXISTING		

HVAC GENERAL NOTES

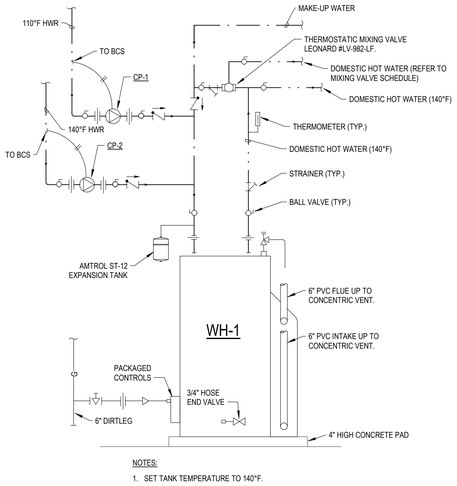
1. FURNISH AND INSTALL ALL MATERIALS AND LABOR REQUIRED TO PROVIDE COMPLETE AND OPERABLE HVAC SYSTEMS WITH ALL ITEMS AND APPURTENANCES NECESSARY EVEN THOUGH NOT SPECIFICALLY IDENTIFIED.
2. ALL WORK AND/OR MATERIALS SHALL BE INSTALLED BY A LICENSED CONTRACTOR AND SHALL CONFORM TO ALL APPLICABLE NATIONAL AND LOCAL BUILDING AND MECHANICAL CODES.
3. ALL DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS. INSTALL TURNING VANES IN ALL DUCTWORK ELBOWS.
4. WHERE DUCTWORK IS INDICATED TO BE EXPOSED TO VIEW IN OCCUPIED SPACES, PROVIDE MATERIALS THAT ARE FREE FROM VISUAL IMPERFECTIONS INCLUDING PITTING, SEAM MARKS, ROLLER MARKS, AND STAINS AND DISCOLORATIONS, AND OTHER IMPERFECTIONS, INCLUDING THOSE THAT WOULD IMPAIR PAINTING.
5. ALL INTERIOR DUCTS SHALL BE CONSTRUCTED WITH G-60 OR BETTER GALVANIZED STEEL (ASTM A 653/A 653M) LFQ, CHEM TREAT. EXTERIOR DUCTWORK OR DUCT EXPOSED TO HIGH HUMIDITY CONDITIONS (I.E. MOISTURE LADEN EXHAUSTS NOT SPECIFIED TO BE STAINLESS STEEL) SHALL BE G-90 OR BETTER GALVANIZED STEEL LFQ, CHEM TREAT.
6. COORDINATE EXACT ROUTING OF ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION OF WORK.
7. MECHANICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF AIR DEVICES AND ROUTING OF DUCTWORK WITH REFLECTED CEILING PLANS AND ELECTRICAL LIGHTING LAYOUT.
8. ALL SUPPLY AND RETURN AIR DUCTWORK SHALL BE INSULATED WITH 2" THICK, 0.75 LB/CF (MINIMUM) FSK WRAP INSULATION (MINIMUM INSTALLED R-VALUE = R-6). FOR DUCTWORK WITH INTERNAL LINER, WRAP INSULATION MAY BE OMITTED.
9. ALL NEW SUPPLY/RETURN DUCTWORK FROM AIR HANDLING UNITS SHALL BE LINED WITH 1-1/2" THICK ACOUSTICAL LINING 20' BEYOND UNIT.
10. FLEXIBLE DUCTWORK RUNOUTS SHALL BE LIMITED TO 6'-0" EXTENDED LENGTH. FLEXIBLE DUCTWORK SHALL BE EQUAL TO ATCO #038. FLEXIBLE DUCTS, BOTH SUPPLY AND RETURN, SHALL HAVE INSULATION WITH A MINIMUM R-VALUE OF 6.0, PER IECC. DUCT SHALL HAVE A CONTINUOUS FLEXIBLE FIBERGLASS SHEATH WITH UL APPROVED METALIZED POLYESTER BARRIER JACKET.
11. INSTALL FLEXIBLE DUCTWORK CONNECTIONS AT ALL DUCT CONNECTIONS TO AIR HANDLING UNITS ROOF TOP UNITS AND FANS.
12. ALL DUCT DIMENSIONS SHOWN ARE NET CLEAR INSIDE DIMENSIONS.
13. MOUNT ALL TEMPERATURE SENSORS 4'-0" ABOVE FLOOR (TYPICAL). MOUNT ALL TEMPERATURE SENSORS 6'-0" ABOVE FLOOR AT GYM AND CAFETERIA.
14. SUPPORT ALL ROOF MOUNTED CONDENSING UNITS WITH METAL CAPPED ROOF CURBS PER FIGURE 4-16D, SMACNA ARCHITECTURAL SHEET METAL MANUAL, 5TH EDITION.
15. FOR ALL VOLUME DAMPERS LOCATED ABOVE A HARD CEILING, PROVIDE AND INSTALL A WORM GEAR REMOTE VOLUME DAMPER REGULATOR. INSTALL KEY ACCESS IN THE CEILING DIRECTLY BELOW THE DAMPER AND PAINT CAP TO MATCH CEILING.
16. DO NOT ROUTE ANY DUCTWORK OR PIPING OVER ELECTRICAL PANELS OR I.T. SERVERS.
17. THE MECHANICAL CONTRACTOR SHALL HIRE AN INDEPENDENT TESTING AND BALANCING AGENCY CERTIFIED BY THE AABC TO TEST AND BALANCE THE HVAC SYSTEMS. SYSTEMS SHALL BE BALANCED TO PLUS/MINUS 10% OF DESIGN REQUIREMENTS. THE CONTRACTOR SHALL PLACE ALL SYSTEMS AND EQUIPMENT INTO FULL OPERATION FOR TESTING AND BALANCING. ONE COPY OF THE FINAL TEST AND BALANCE REPORT WITH THE AABC NATIONAL PERFORMANCE GUARANTY SHALL BE SENT DIRECTLY TO THE ENGINEER OF RECORD. PROVIDE FIVE (5) ADDITIONAL COPIES TO THE CONTRACTOR.
18. PROVIDE PETE PLUGS AT INLETS/OUTLETS OF COILS, PUMPS, AND HVAC EQUIPMENT. REFER TO MECHANICAL METER AND GUAGES SPECIFICATION AS WELL AS DETAILS FOR INSTALLATION.
19. CONTRACTOR IS TO INSTALL NEW AC FILTERS ON ALL NEWLY INSTALLED AC EQUIPMENT, BOTH AT ONE WEEK PRIOR TO THE SUBSTNATIAL COMPLETETION, AND ONE WEEK PRIOR TO THE SIX MONTHS WARRANTY WALKS.

PLUMBING GENERAL NOTES

1. FURNISH AND INSTALL ALL MATERIALS AND LABOR REQUIRED TO PROVIDE AND OPERABLE PLUMBING SYSTEMS WITH ALL ITEMS AND APPURTENANCES NECESSARY, EVEN THOUGH NOT SPECIFICALLY CALLED OUT.
2. ALL WORK AND/OR MATERIAL SHALL BE INSTALLED BY A LICENSED CONTRACTOR.
3. ALL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES. IN CASE OF CONFLICT BETWEEN THE DRAWINGS/SPECIFICATIONS AND THE CODES AND ORDINANCES, THE HIGHEST STANDARD SHALL APPLY. THE PLUMBING CONTRACTOR SHALL SATISFY CODE REQUIREMENTS AS A MINIMUM STANDARD WITHOUT ANY EXTRA COST TO THE OWNER.
4. CROSS-CONNECTIONS OF ANY FIXTURE, DEVICE OR CONSTRUCTION WHICH WILL PERMIT BACKFLOW CONNECTIONS BETWEEN A WATER DISTRIBUTION SYSTEM AND ANY PART OF THE DRAINAGE SYSTEM SHALL NOT BE INSTALLED.
5. PLUMBING FIXTURES SHALL BE AS SCHEDULED. ALL HANDICAP FIXTURE INSTALLATIONS SHALL BE IN COMPLIANCE WITH ADA AND TAS (TEXAS ACCESSIBILITY STANDARDS). CONFIRM EXACT LOCATIONS OF ALL PLUMBING FIXTURES WITH ARCHITECT PRIOR TO INSTALLATION. ALL FIXTURES SHALL BE COMPLETE WITH ALL NECESSARY TRIM. ALL EXPOSED METAL PARTS SHALL BE CHROME PLATED BRASS.
6. CONFIRM ROUGH-IN REQUIREMENTS FOR ALL EQUIPMENT PRIOR TO INSTALLATION.
7. COORDINATE EXACT ROUTING OF ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION OF WORK.
8. PROVIDE TRAP PRIMERS FOR ALL FLOOR DRAIN EXCEPT FOR THOSE AREAS NOT REQUIRED BY THE CITY OF DALLAS PLUMBING CODE.
9. PROVIDE FACTORY MANUFACTURED WATER HAMMER ARRESTORS WHERE REQUIRED AND/OR INDICATED ON THE DRAWINGS.
10. CONTRACTOR SHALL CONFIRM DEPTHS OF EXISTING SEWER LINES AND CONFIRM ADEQUACY FOR CONNECTION OF NEW SYSTEM. THE ENGINEER SHALL BE NOTIFIED IF THE REQUIRED SLOPES CAN NOT BE MAINTAINED, PRIOR TO INSTALLATION OF ANY NEW PIPING.
11. INSTALL PLUMBING VENTS THROUGH ROOF TO BE A MINIMUM OF 10'-0" FROM ALL RTU AND OTHER OUTSIDE AIR INTAKES. COORDINATE WITH MECHANICAL.
12. ALL WATER PIPING PASSING THROUGH CONCRETE FLOOR SLABS SHALL BE COMPLETELY ISOLATED FROM THE CONCRETE BY ENCASEMENT IN 1/2" THICK FLEXIBLE FOAM PLASTIC INSULATION FROM WELL BELOW THE BOTTOM OF THE CONCRETE SLAB UP TO TWO INCHES ABOVE THE BEAMS BELOW GRADE. IT SHALL BE WRAPPED WITH 2 PLYS OF 15# FELT TO ISOLATE THE PIPE FROM THE CONCRETE. WHERE WATER PIPE EXTENDS THROUGH CONCRETE GRADE BEAMS BELOW GRADE, IT SHALL BE ENCASED IN 3/8" THICK FLEXIBLE FOAM PLASTIC INSULATION. PIPING BELOW SLAB SHALL BE TYPE "M" SOFT TEMPER COPPER WITHOUT JOINTS.
13. ALL EXPOSED PIPING PASSING THROUGH FLOORS, CEILINGS OR WALLS SHALL BE PROVIDED WITH APPROVED PLATES OF SUFFICIENT DIAMETER TO COVER THE SLEEVE OPENING AND FIT SNUGLY AROUND THE PIPE.
14. WATER AND SEWER LINES SHALL BE LAID IN SEPARATE TRENCHES WITH A MINIMUM HORIZONTAL SPACING AS REQUIRED BY CODE.
15. THIS CONTRACTOR SHALL FURNISH ALL PIPE SUPPORTS REQUIRED FOR HIS EQUIPMENT AND MATERIAL. ALL HORIZONTAL RUNS OF PIPING SHALL BE SUPPORTED BY PIPE HANGERS SPACED NOT MORE THAN 10 FEET APART FOR PIPES 1-1/4" AND LARGER, AND 8' FOR PIPES SMALLER THAN 1-1/4", AND AT EACH JOINT FOR SOIL OR WASTE PIPE. ADDITIONAL SUPPORTS SHALL BE PROVIDED WHERE REQUIRED TO PREVENT SAGGING. HANGERS FOR COPPER PIPE SHALL HAVE NYLON INSULATED BUSHINGS OR PIPE SHALL BE WRAPPED WITH 15# FELT.
16. CLEANOUTS SHALL BE PROVIDED WHERE INDICATED ON THE DRAWINGS, OR WHERE REQUIRED, TO PROVIDE ACCESS TO ALL LINES AND AT HORIZONTAL RUN AT INTERVALS NOT EXCEEDING 80 FEET IN ALL SOIL, WASTE AND DRAIN LINES. CLEANOUTS SHALL BE SAME AS PIPE EXCEPT CLEANOUTS LARGER THAN 4" WILL NOT BE REQUIRED.
17. DO NOT INSTALL PVC PIPING IN ANY RETURN AIR PLENUMS.
18. CONDENSATE DRAINS FOR AIR CONDITIONING UNITS SHALL BE PROVIDED. IT SHALL BE THIS CONTRACTORS RESPONSIBILITY TO COORDINATE HIS ACTIVITIES WITH ALL OTHER TRADES SO THAT ALL SYSTEMS ARE COMPLETE.
19. ALL P-TRAPS FOR FIXTURES IN FLOORS ABOVE CONDITIONED SPACES THAT ACCEPT CONDENSATE DRAINAGE, SHALL BE INSULATED, AS WELL AS THE DRAIN PIPING 5'-0" DOWNSTREAM OF THE TRAP.
20. PROVIDE ISOLATION VALVES AT ALL FIXTURES/APPLIANCES FOR BOTH WATER AND NATURAL GAS (ISOLATION VALVES TO BE 1/4 TURN FULL PORT BALL VALVES).

NOTES BY SYMBOL: "Ⓝ"

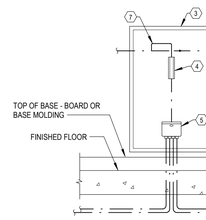
1. INSTALL TRAP PRIMER AND DISTRIBUTION UNIT PER MANUFACTURERS INSTRUCTIONS.
2. WHERE ONLY ONE TRAP IS PRIMED NO DISTRIBUTION UNIT IS INSTALLED.
3. ACCESS PANEL SHALL BE LARGE ENOUGH TO RENDER WORKING ACCESS TO THE INSTALLATION.
4. TRAP PRIMER VALVE W/ 1/2" INLET / OUTLET, BACKFLOW PREVENTER AND VACUUM BREAKER PORT.
5. MAXIMUM FOUR OUTLET DISTRIBUTION UNIT SHOWN, TWO AND THREE OUTLETS AVAILABLE AS REQUIRED.
6. 1/2" COPPER MAKE-UP LINE TO FLOOR RECEPTOR OR FLOOR RECEPTOR TAILPIECE. TAPPING SHALL BE A MINIMUM OF 1" ABOVE THE TRAP WATER LEVEL.
7. CONNECT TO TOP OF SERVICE LINE TO PREVENT FOREIGN MATTER FROM ENTERING PRIMER VALVE.



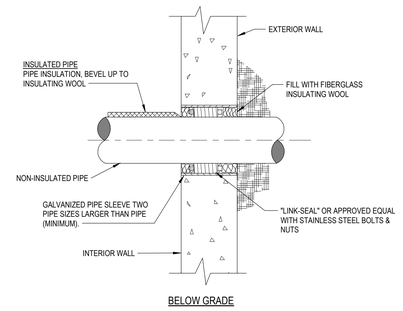
NOTES:

1. SET TANK TEMPERATURE TO 140°F.
2. CONNECT CIRC PUMP TO CAMPUS BCS.
3. REFER TO MP-2.02 FOR SIZES.

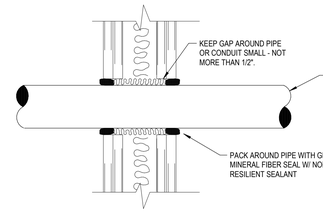
1 GAS WATER HEATER DETAIL
NTS



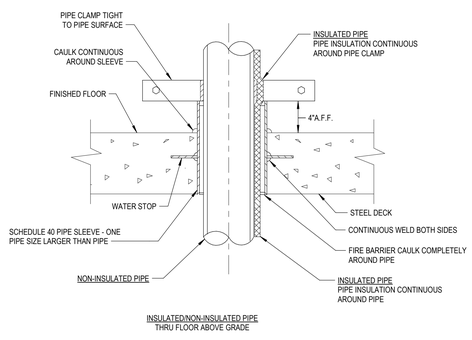
2 TRAP PRIMER VALVE DETAIL
NTS



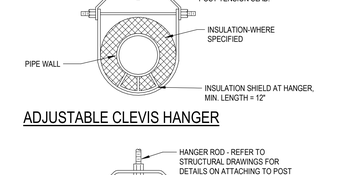
3 PIPE THRU EXTERIOR WALL
NTS



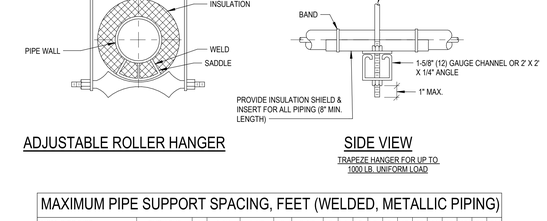
7 SEALING A PIPING PENETRATION IN TYPICAL DRYWALL CONSTRUCTION
NTS



8 TYPICAL PIPE FLOOR SLEEVE DETAIL
NTS



ADJUSTABLE CLEVIS HANGER



ADJUSTABLE ROLLER HANGER

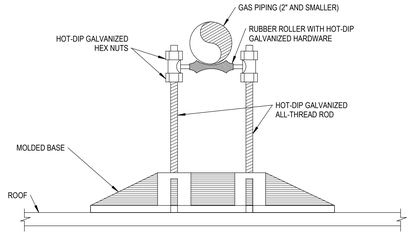
SIDE VIEW

TRAPEZE HANGER FOR UP TO 1000 LB. UNIFORM LOAD

MAXIMUM PIPE SUPPORT SPACING, FEET (WELDED, METALLIC PIPING)																	
NOM. PIPE SIZE	THRU 3/4"	1	1-1/4	1-1/2	2	2-1/2	3	4	5	6	8	10	12	14	16	18	20	24
SPACING	7 FT	7	8	9	10	11	12	14	16	17	19	22	23	25	27	28	30	32
NOTE: FOR TRAPEZE HANGER TAKE SPACING OF SMALLEST PIPE SIZE ON TRAPEZE																		

REFER TO SPECIFICATION SECTION 22 10 00 FOR OTHER PIPE TYPES.

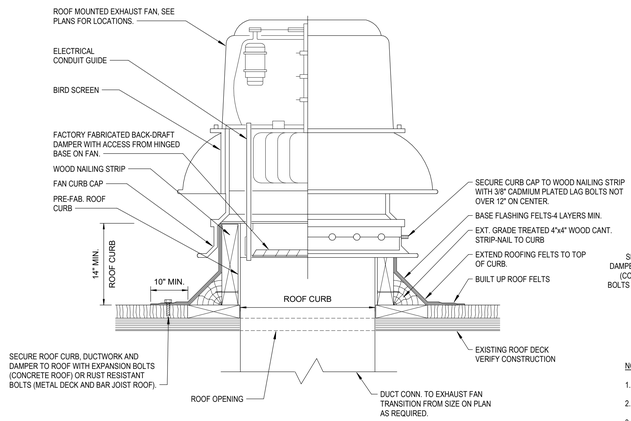
4 TYPICAL PIPING HANGER DETAIL
NTS



NOTES:

1. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ROOF CONSTRUCTION.
2. PROVIDE PORTABLE PIPE HANGER TYPE SS-8R WITH ROLLER OR APPROVED EQUAL
3. INSTALLATION SHALL COMPLY WITH ROOFING MANUFACTURER'S RECOMMENDATIONS.

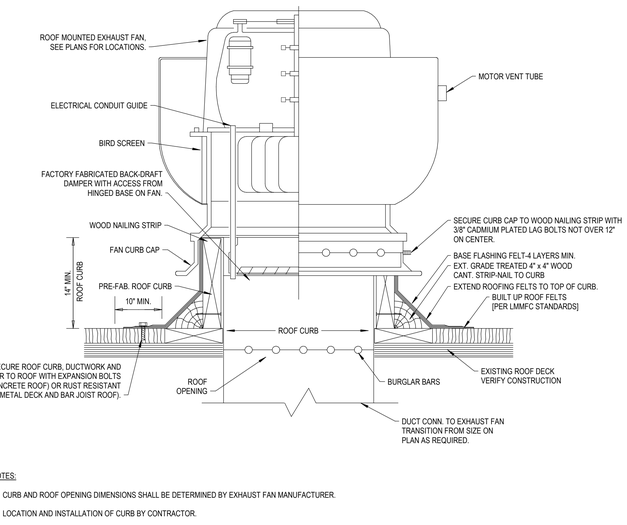
5 TYPICAL ROOF PIPE SUPPORT DETAIL
NTS



NOTES:

1. CURB AND ROOF OPENING DIMENSIONS SHALL BE DETERMINED BY EXHAUST FAN MANUFACTURER.
2. LOCATION AND INSTALLATION OF CURB BY CONTRACTOR.
3. RUN ELECTRICAL LINES THRU CLEARANCE HOLE PROVIDED IN DAMPER THEN THRU VENTILATOR PROVIDED IN DAMPER THEN THRU VENTILATOR ELECTRICAL CONDUIT GUIDE. POWER SUPPLY WIRING TO EXHAUST FANS SHALL NOT PENETRATE EXHAUST DUCT.
4. RUN ELECTRIC LINES THROUGH CLEARANCE HOLE PROVIDED IN GRAVITY DAMPER, THEN THROUGH VENTILATOR ELECTRICAL CONDUIT GUIDE.

6 CENTRIFUGAL ROOF MOUNTED DOWN BLAST EXHAUST FAN
NTS



NOTES:

1. CURB AND ROOF OPENING DIMENSIONS SHALL BE DETERMINED BY EXHAUST FAN MANUFACTURER.
2. LOCATION AND INSTALLATION OF CURB BY CONTRACTOR.
3. RUN ELECTRICAL LINES THRU CLEARANCE HOLE PROVIDED IN DAMPER THEN THRU VENTILLATOR ELECTRICAL CONDUIT GUIDE. POWER SUPPLY WIRING TO EXHAUST FANS SHALL NOT PENETRATE EXHAUST DUCT.

9 CENTRIFUGAL ROOF MOUNTED UPBLAST EXHAUST FAN (WASHING STATION)
NTS

BAIRD, HAMPTON & BROWN
building partners
6300 Ridglea Pl., Ste. 700 Fort Worth, TX 76116
mail@bhbinc.com • (817)338-1277 • bhbinc.com
TBPELS Firm #44, #10011300, #10011302, #10194146
BHB PROJECT # 2023.183.000

COMM. NO.	1288
DATE	11/11/2024
DRAWN	RT
CHECKED	ILB

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS

IBL ARCHITECTS
Listen Build Lead
1106 W. RANDOL MILL ROAD
SUITE 300
ARLINGTON, TEXAS 76012
PHONE (817) 265-4510
FAX (817) 265-1582
WWW.IBLARCHITECTS.COM
TBAE FIRM # BR 1550

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

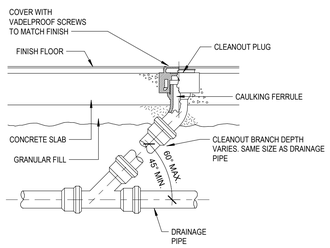
330 NORTH MARSALIS AVE, DALLAS, TX 75203

MECH/PLBG DETAILS

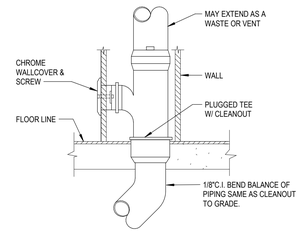
MP-3.01

12/6/2024 10:29:31 AM

Autodesk Docs://DSD James Bowie ES/DSD James Bowie MPFA- BHB_R24.rvt

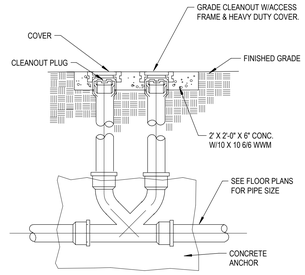


1 BELOW FLOOR CLEANOUT DETAIL
NTS

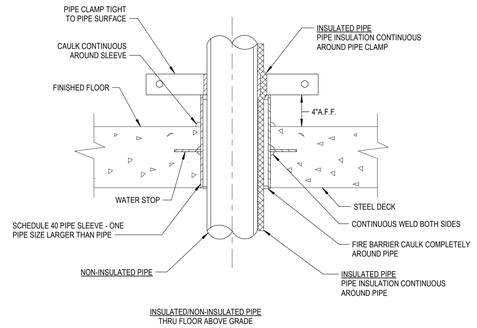


NOTES:
1. CLEAN OUT SHALL BE INSTALLED ABOVE THE WASTE FLOWLINE.
2. CLEAN OUT SHALL BE INSTALLED FLUSH WITH THE INSIDE OF THE SHEETROCK.

2 WALL CLEANOUT DETAIL
NTS

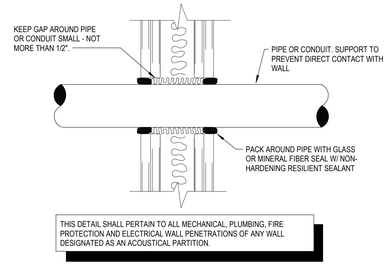


3 TWO WAY GRADE CLEANOUT
NTS

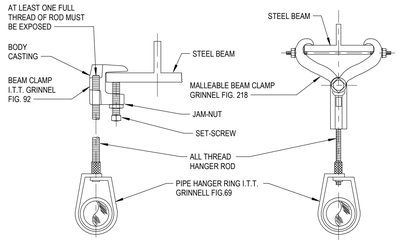


INSULATED/NON-INSULATED PIPE
THRU FLOOR ABOVE GRADE

4 TYPICAL PIPE FLOOR SLEEVE DETAIL
NTS

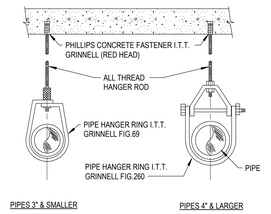


5 PIPE PENETRATING DRYWALL
NTS



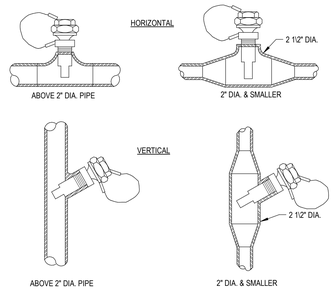
U.L. APPROVED BEAM CLAMP PIPE HANGERS

6 BEAM CLAMP HANGER
NTS



U.L.. APPROVED CONCRETE INSERT PIPE HANGERS

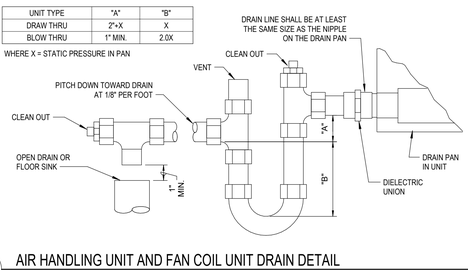
7 CONCRETE INSERT HANGER
NTS



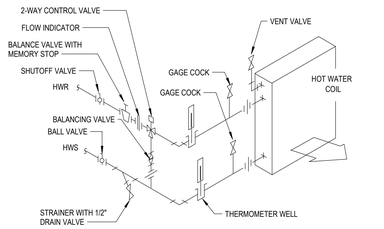
8 INSTALLATION OF THERMOMETER WELLS
NTS

UNIT TYPE	"A"	"B"
DRAW THRU	2"+X	X
BLOW THRU	1" MIN.	2.0X

WHERE X = STATIC PRESSURE IN PAN

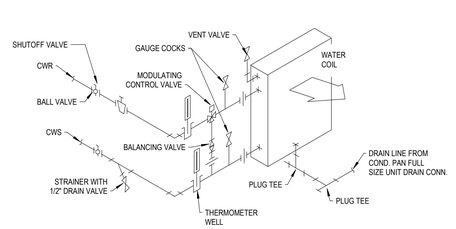


9 AIR HANDLING UNIT AND FAN COIL UNIT DRAIN DETAIL
NTS



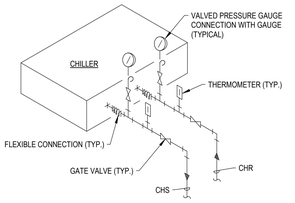
NOTE: AHU-4 AND AHU-5 SHALL HAVE THREE WAY CONTOL VALVES. ALL OTHER VALVES SHOULD BE 2-WAY.

10 AHU HOT WATER COIL PIPING DIAGRAM
NTS

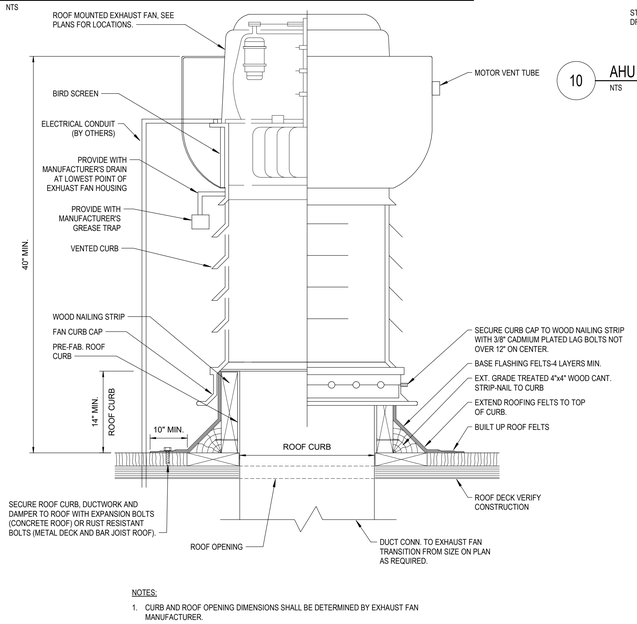


NOTE: AHU-1, AHU-2, AHU-3, AHU-4 AND AHU-5 SHALL HAVE THREE WAY CONTOL VALVES. ALL OTHER VALVES SHOULD BE 2-WAY.

11 CHILLED WATER COIL PIPING DIAGRAM
NTS

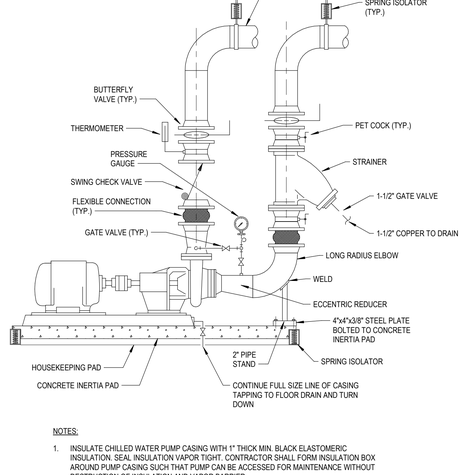


12 AIR COOLED CHILLER PIPING DIAGRAM
NTS



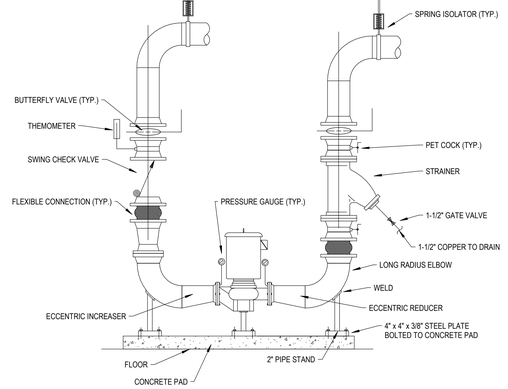
NOTES:
1. CURB AND ROOF OPENING DIMENSIONS SHALL BE DETERMINED BY EXHAUST FAN MANUFACTURER.
2. LOCATION AND INSTALLATION OF CURB BY CONTRACTOR.

13 CENTRIFUGAL ROOF MOUNTED UP BLAST EXHAUST FAN (GREASE EXHAUST)
NTS



NOTES:
1. INSULATE CHILLED WATER PUMP CASING WITH 1" THICK MIN. BLACK ELASTOMERIC INSULATION. SEAL INSULATION VAPOR TIGHT. CONTRACTOR SHALL FORM INSULATION BOX AROUND PUMP CASING SUCH THAT PUMP CAN BE ACCESSED FOR MAINTENANCE WITHOUT DESTRUCTION OF INSULATION AND VAPOR BARRIER.

14 END SUCTION PUMP DETAIL
NTS



15 IN-LINE PUMP DETAIL
NTS

BAIRD, HAMPTON & BROWN
building partners
6300 Ridglea Pl., Ste. 700 Fort Worth, TX 76116
mail@bhbinc.com • (817)338-1277 • bhbinc.com
TBPELS Firm #44, #10011300, #10011302, #10194146
BHB PROJECT # 2023.183.000

COMM. NO.	1288
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DRAWN	RT
CHECKED	ILB

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY
ONE INCH
REVISIONS:

PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS

IAN L. BOST 96649 LICENSED PROFESSIONAL ENGINEER 11/11/2024

IBL ARCHITECTS Listen. Build. Lead.
1190 W. PANGOL MILL ROAD SUITE 300 ARLINGTON, TEXAS 76012 PHONE (817) 265-1582 FAX (817) 265-1582 WWW.IBLARCHITECTS.COM TBAE FIRM # BR 1350

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT
JAMES BOWIE ELEMENTARY SCHOOL
330 NORTH MARSALIS AVE, DALLAS, TX 75203

MECH/PLBG DETAILS
MP-3.02

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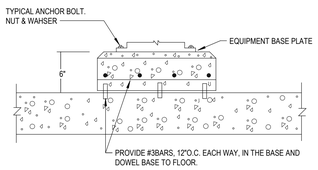
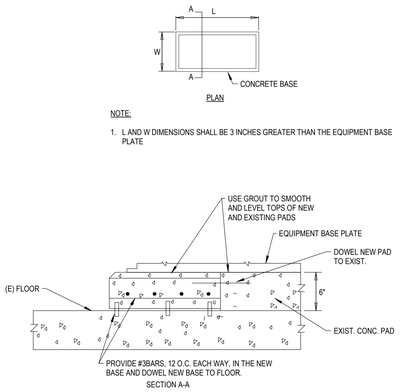
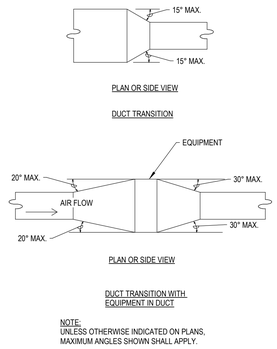
Autodesk Docs://DISD James Bowie ES/DISD James Bowie MPPA - BHB_R24.rvt



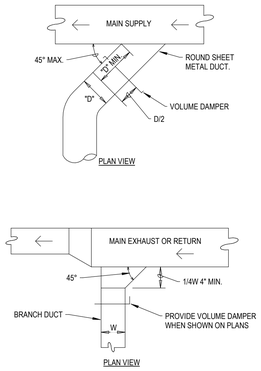
1 EQUIPMENT PAD DETAIL
NTS



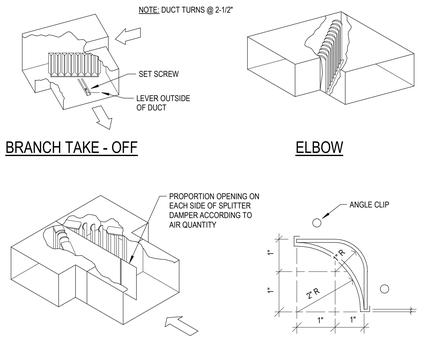
2 EQUIPMENT PAD EXTENSION DETAIL
NOT TO SCALE



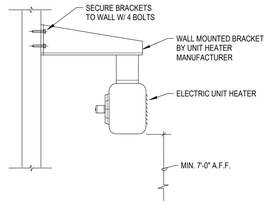
3 DUCT TRANSITIONS WITH AND WITHOUT EQUIPMENT IN DUCT
NTS



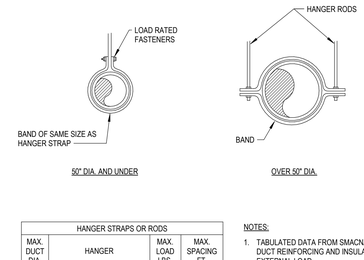
4 BRANCH DUCT TAKE-OFF DETAIL
NTS



5 DUCT CONSTRUCTION DETAILS
NTS



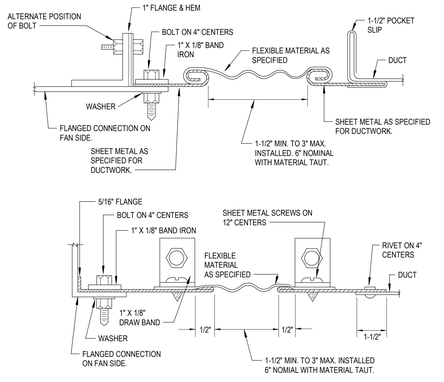
6 ELECTRICAL UNIT HEATER MOUNTING DETAIL
NTS



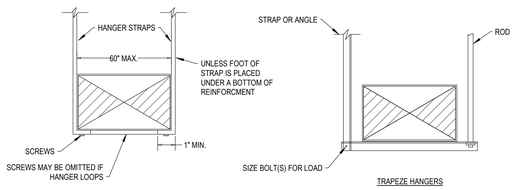
HANGER STRAPS OR RODS			
MAX. DUCT DIA.	HANGER	MAX. LOAD LBS.	MAX. SPACING FT.
26"	ONE 1" X 22 GA STRAP	260	12
36"	ONE 1" X 18 GA STRAP	420	12
50"	ONE 1" X 16 GA STRAP	700	12
60"	TWO 3/8" DIA. RODS	1320	12
84"	TWO 1/2" DIA. RODS	2500	12

NOTES:
1. TABULATED DATA FROM SMACNA ALLOWS FOR DUCT REINFORCING AND INSULATION, BUT NO EXTERNAL LOAD.

7 ROUND DUCT HANGERS
NTS



8 TYPICAL FLEX CONNECTION DETAIL
NTS

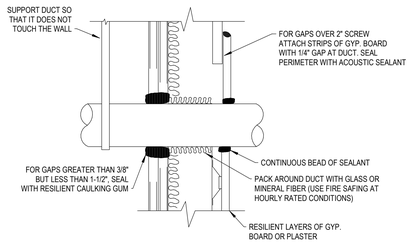


RECTANGULAR DUCT HANGERS MINIMUM SIZE								
MAXIMUM HALF OF DUCT PERIMETER	PAIR AT 10 FT. SPACING		PAIR AT 8 FT. SPACING		PAIR AT 5 FT. SPACING		PAIR AT 4 FT. SPACING	
	STRAP	WIRE/ROD	STRAP	WIRE/ROD	STRAP	WIRE/ROD	STRAP	WIRE/ROD
P/2=30"	1" X 22 GA.	10 GA. (.135")	1" X 22 GA.	10 GA. (.135")	1" X 22 GA.	12 GA. (.106")	1" X 22 GA.	10 GA. (.135")
P/2=72"	1" X 18 GA.	3/8"	1" X 20 GA.	1/4"	1" X 22 GA.	1/4"	1" X 22 GA.	1/4"
P/2=96"	1" X 16 GA.	3/8"	1" X 18 GA.	3/8"	1" X 20 GA.	3/8"	1" X 22 GA.	1/4"
P/2=120"	1-1/2" X 16 GA.	1/2"	1" X 16 GA.	3/8"	1" X 18 GA.	3/8"	1" X 20 GA.	1/4"
P/2=168"	1-1/2" X 16 GA.	1/2"	1-1/2" X 16 GA.	1/2"	1" X 16 GA.	3/8"	1" X 18 GA.	3/8"
P/2=192"	NOT GIVEN	1/2"	1-1/2" X 16 GA.	1/2"	1" X 16 GA.	3/8"	1" X 16 GA.	3/8"
P/2=193" UP	SPECIAL ANALYSYS REQUIRED							

WHEN STRAPS ARE LAP JOINED USE THESE MINIMUM FASTENERS:	SINGLE HANGER MAXIMUM ALLOWABLE LOAD	
	STRAP	WIRE OR ROD (DIA.)
1" X 18, 20, 22 GA. -TWO #10 OR ONE 1/4" BOLT 1" X 16GA. - TWO 1/4" DIA. 1-1/2" X 16 GA. -TWO 3/8" DIA. PLACE FASTENERS IN SERIES, NOT SIDE BY SIDE.	1" X 22 GA. - 260 LBS 1" X 20 GA. - 320 LBS 1" X 18 GA. - 420 LBS 1" X 16 GA. - 700 LBS 1-1/2" X 16 GA. - 1100 LBS	0.106" - 80 LBS 0.135" - 120 LBS 0.162" - 160 LBS 1/4" - 270 LBS 3/8" - 680 LBS 1/2" - 1250 LBS 5/8" 2000 LBS 3/4" - 3000 LBS

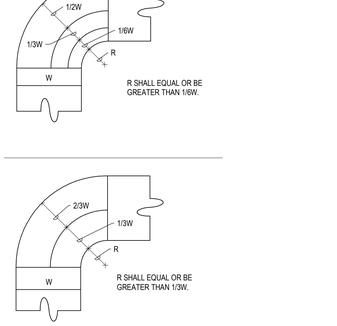
NOTES:
1. REFER TO LATEST EDITION OF SMACNA HVAC DUCT CONSTRUCTION STANDARDS FOR ADDITIONAL DETAIL. DUCT HANGERS SHALL MEET THIS STANDARD
2. DIMENSIONS OTHER THAN GAGE ARE IN INCHES.
3. TABLES ALLOW FOR DUCT WEIGHT, 1 LB./SF INSULATION WEIGHT AND NORMAL REINFORCMENT AND TRAPEZE WEIGHT, BUT NO EXTERNAL LOADS!
4. STRAPS ARE GALVANIZED STEEL; OTHER MATERIALS ARE UNCOATED STEEL
5. ALLOWABLE LOADS FOR P/2 ASSUME THAT DUCTS ARE 16 GA MAXIMUM, EXCEPT THAT WHEN MAZIMUM DUCT DIMENSION (W) IS OVER 60" THEN P/2 MAXIMUM IS 1.25 W.
6. 12, 10, OR 8 GA. WIRE IS STEEL OF BLACK ANNEALED, BRIGHT BASIC, OR GALVANIZED TYPE.

9 RECTANGULAR DUCT HANGERS
NTS



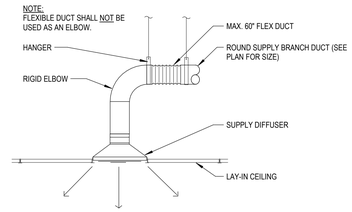
THIS DETAIL SHALL PERTAIN TO ALL MECHANICAL, PLUMBING, FIRE PROTECTION AND ELECTRICAL WALL PENETRATIONS OF ANY WALL DESIGNATED AS AN ACOUSTICAL PARTITION, AS WELL AS ALL WALL PENETRATIONS IN THE AUDITORIUM, BAND HALL, CHOIR ROOM AND BLACK BOX AREAS.

10 DUCT PENETRATION DETAIL STUD WALL - SEVERAL CONDITIONS
NTS



NOTES:
1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND.
2. ALL STANDARD RADIUS ELBOWS SHOWN ON PLANS MAY BE MADE SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

11 RADIUS ELBOW DUCT DETAIL
NTS



12 DIFFUSER CONNECTION DETAIL
NTS

BAIRD, HAMPTON & BROWN
building partners
6300 Ridglea Pl., Ste. 700 Fort Worth, TX 76116
mail@bhbinc.com • (817)338-1277 • bhbinc.com
TBPELS Firm #44, #10011300, #10011302, #10194146
BHB PROJECT # 2023.183.000

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BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS

LBL ARCHITECTS
Listen. Build. Lead.
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PHONE (817) 265-1582
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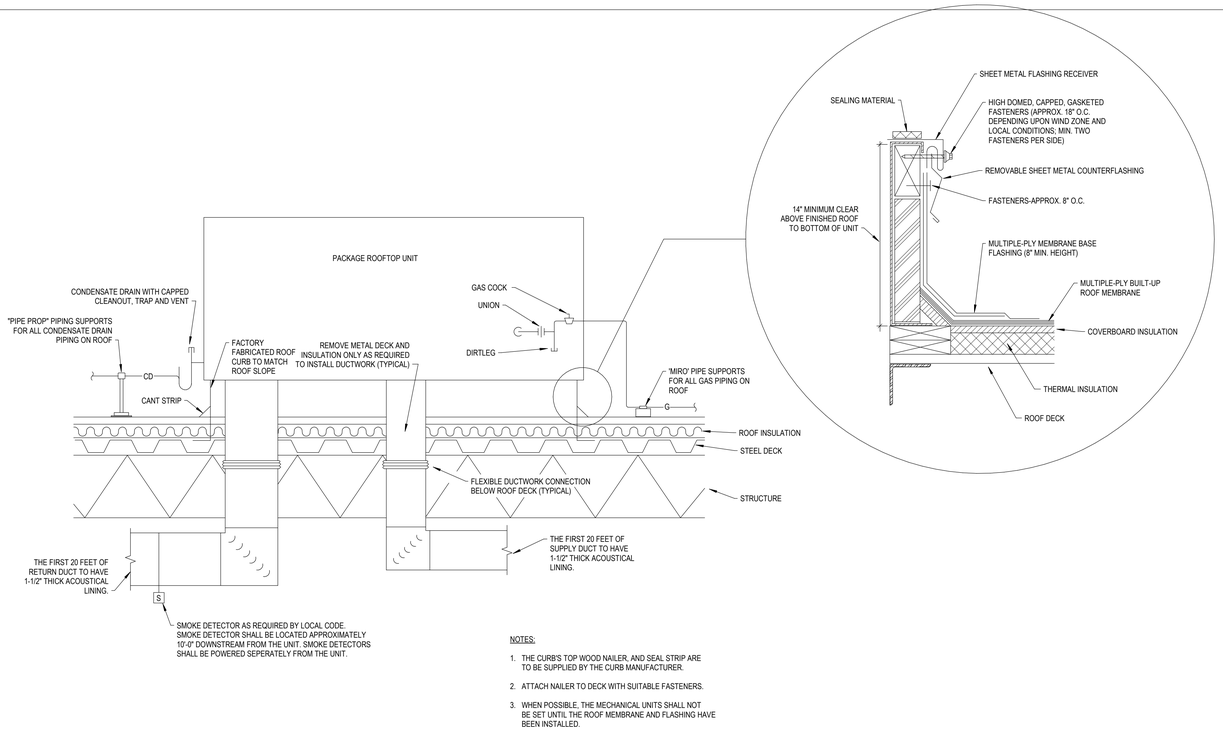
WWW.LBLARCHITECTS.COM
TBAE FIRM# BR 1330

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT
JAMES BOWIE ELEMENTARY SCHOOL
330 NORTH MARSALIS AVE, DALLAS, TX 75203

MECH/PLBG DETAILS

MP-3.03

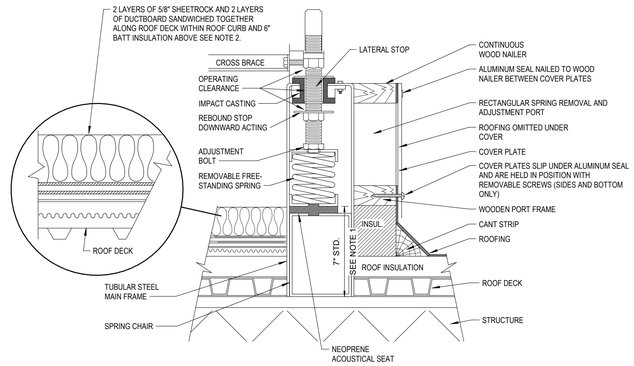
Autodesk Docs://DISD James Bowie ES/DISD James Bowie MPFA_BHB_R24.rvt
12/9/2024 10:09:34 AM



NOTES:

1. THE CURB'S TOP WOOD NAILER, AND SEAL STRIP ARE TO BE SUPPLIED BY THE CURB MANUFACTURER.
2. ATTACH NAILER TO DECK WITH SUITABLE FASTENERS.
3. WHEN POSSIBLE, THE MECHANICAL UNITS SHALL NOT BE SET UNTIL THE ROOF MEMBRANE AND FLASHING HAVE BEEN INSTALLED.

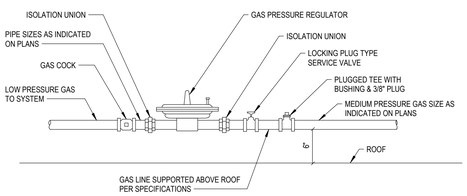
1 ROOF TOP UNIT SUPPORTS
NTS



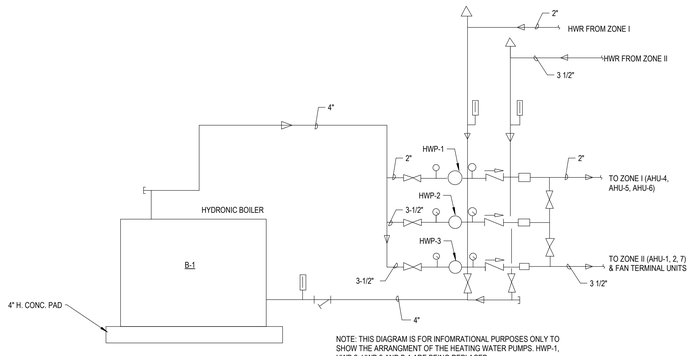
NOTES:

1. VIBRATION ISOLATION CURB FOR RTU-2 AND RTU-3.
2. PROVIDE SHEETROCK, DUCTBOARD AND BATT INSULATION INSIDE ENTIRE VIBRATION ISOLATION CURB, TO WITHIN 1/2" OF SUPPLY AND RETURN DUCTS. FILL GAPS AT DUCTS WITH BATT INSULATION. TYPICAL AT ALL DUCTS.

2 TYPICAL VIBRATION ISOLATION CURB DETAIL
NTS

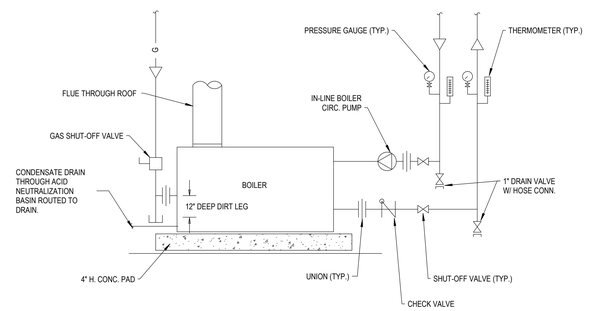


3 GAS PRESSURE REGULATOR DETAIL
NTS

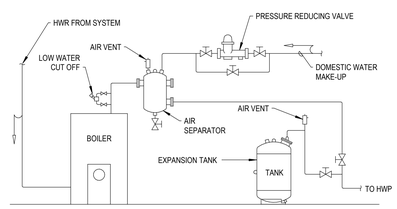


NOTE: THIS DIAGRAM IS FOR INFOMRATIONAL PURPOSES ONLY TO SHOW THE ARRANGMENT OF THE HEATING WATER PUMPS. HWP-1, HWP-2, HWP-3 AND B-1 ARE BEING REPLACED.

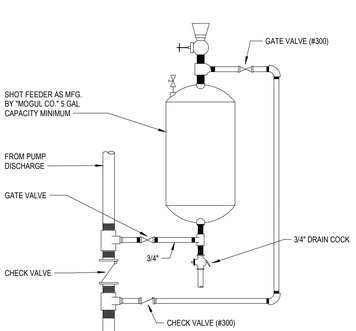
4 EXISTING HOT WATER BOILER FITTING SCHEMATIC
NTS



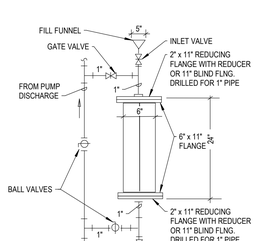
5 TYPICAL HOT WATER BOILER FITTING SCHEMATIC
NTS



6 BOILER PIPING DIAGRAM
NTS

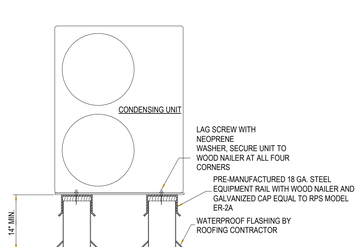


8 SHOT FEEDER DETAIL
NTS



NOTE: SEE PUMP PIPING DETAIL

9 CHEMICAL FEEDER - SHOT TYPE
NTS



10 CONDENSING UNIT SUPPORT CURB DETAIL
NTS

BAIRD, HAMPTON & BROWN
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TBPELS Firm #44, #10011300, #10011302, #10194146
BHB PROJECT # 2023.183.000

COMM. NO. 1288
DATE 11/11/2024
DRAWN RT
CHECKED ILB

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY
ONE INCH
REVISIONS:

PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT
JAMES BOWIE ELEMENTARY SCHOOL
330 NORTH MARSALIS AVE, DALLAS, TX 75203

MECH/PLBG DETAILS

MP-3.04

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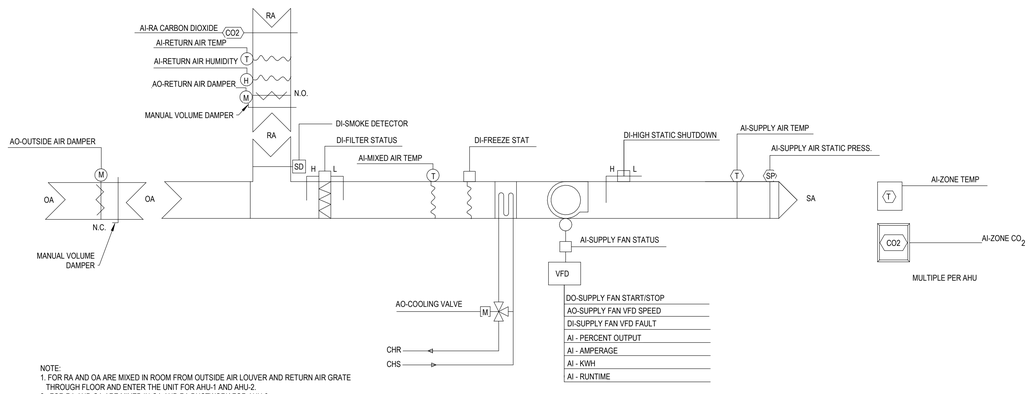
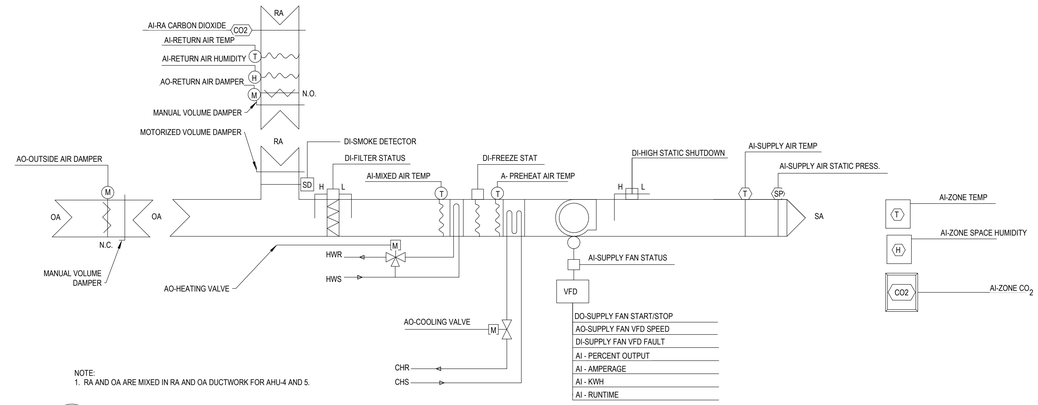


NOTE:
1. FOR RA AND OA ARE MIXED IN ROOM FROM OUTSIDE AIR LOUVER AND RETURN AIR GRATE THROUGH FLOOR AND ENTER THE UNIT FOR AHU-1 AND AHU-2.
2. FOR RA AND OA ARE MIXED IN OA AND RA DUCTWORK FOR AHU-3.

1 AIR HANDLING UNIT CONTROL DIAGRAM (AHU 1-3) - DCV

NTS

NOTES: UNITS WITH DEMAND CONTROL VENTILATION (DCV) SHALL BE PROVIDED WITH CO2 SENNSOR IN SPACES AS SHOWN ON THE DRAWINGS. ALL AHUS SHALL HAVE CO2 SENSORS IN CLASSROOMS.

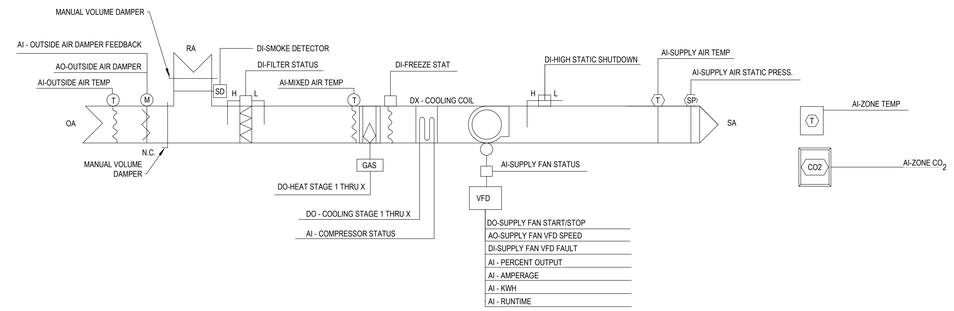


NOTE:
1. RA AND OA ARE MIXED IN RA AND OA DUCTWORK FOR AHU-4 AND 5.

2 AIR HANDLING UNIT CONTROL DIAGRAM (AHU 4-5) - DCV

NTS

NOTES: AHU-4 WITH DEMAND CONTROL VENTILATION (DCV) SHALL BE PROVIDED WITH CO2 SENSORS IN THE SPACES AS SHOWN ON THE DRAWINGS IN CAFETERIA - 114. AHU-5 WITH DEMAND CONTROL VENTILATION (DCV) SHALL BE PROVIDED IN SPACES AS SHOWN ON THE DRAWINGS IN KITCHEN A123.



3 ROOFTOP UNIT CONTROL DIAGRAM (DX COOLING AND GAS HEAT)

NTS

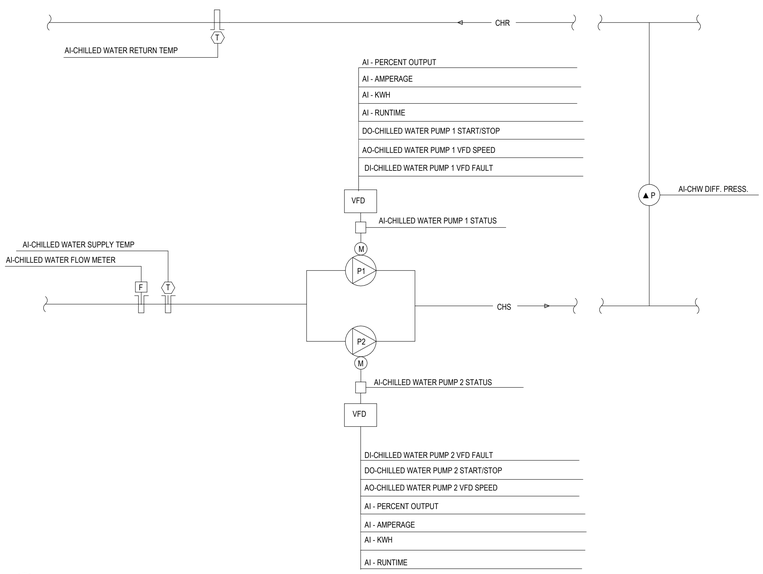
NOTES: RTU-2 WITH DEMAND CONTROL VENTILATION (DCV) SHALL BE PROVIDED WITH CO2 SENSORS IN THE SPACES AS SHOWN ON THE DRAWINGS IN LIBRARY - 132. RTU-3 WITH DEMAND CONTROL VENTILATION (DCV) SHALL BE PROVIDED IN SPACES AS SHOWN ON THE DRAWINGS IN MEDIA A202.

NOTES:

1. THE CHILLER SYSTEM SHALL BE MONITORED BY THE BUILDING CONTROL SYSTEM. THE BCS SHALL MONITOR THE POINTS NOTED ABOVE AND SHALL PROVIDE ENGAGE/DISENGAGE, AND TEMPERATURE SETPOINTS.
2. THE CHILLER UNIT SHALL BE CONTROLLED BY ITS OWN INTERNAL CONTROLS SEQUENCE.

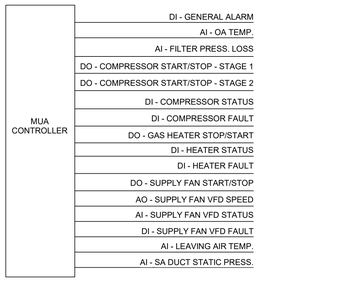
4 AIR COOLED CHILLER CONTROL DIAGRAM

NTS



5 CHILLED WATER PUMPS DIAGRAM

NTS



NOTES:

1. THE RTU SYSTEM SHALL BE MONITORED BY THE BUILDING MANAGEMENT SYSTEM. THE BMS SHALL MONITOR THE POINTS NOTED ABOVE AND SHALL PROVIDE ENGAGE/DISENGAGE, AND TEMPERATURE SETPOINTS.
2. THE RTU UNITS SHALL BE CONTROLLED BY ITS OWN INTERNAL CONTROLS SEQUENCE.

6 MUA CONTROL DIAGRAM

NTS

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ONE INCH

REVISIONS:

PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

MECHANICAL CONTROL DIAGRAMS

MP-4.01

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BHB PROJECT # 2023.183.000

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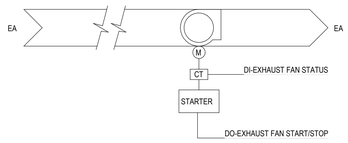
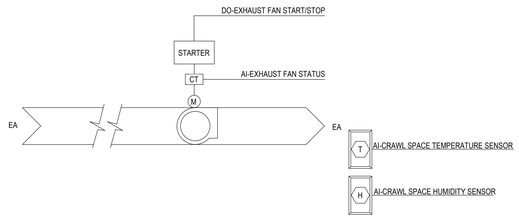
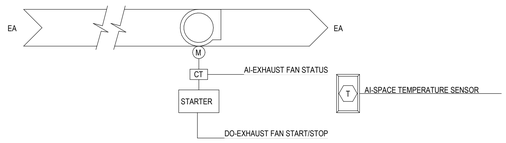


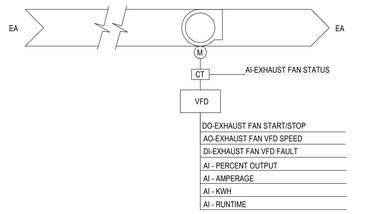
1 EXHAUST FAN CONTROL DIAGRAM (CV)
NTS



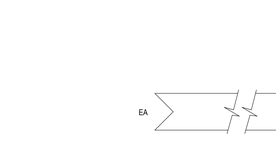
2 CRAWL SPACE EXHAUST FAN CONTROL DIAGRAM
NTS



3 ELECTRICAL ROOM EXHAUST FAN CONTROL DIAGRAM (CV)
NTS

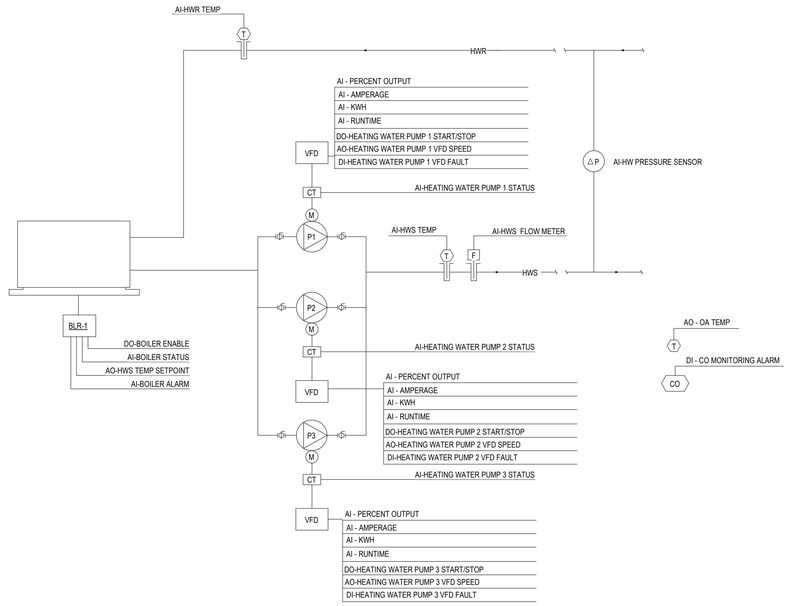


4 KITCHEN EXHAUST FAN CONTROL DIAGRAM (VAV)
NTS

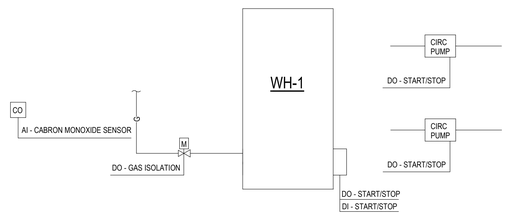


5 DUCTLESS SPLIT CONTROL DIAGRAM
NTS

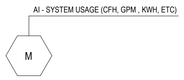
6 ELECTRIC UNIT HEATER CONTROL DIAGRAM
NTS



7 BOILER CONTROL DIAGRAM
NTS



8 WATER HEATER CONTROL DIAGRAM
NTS



9 UTILITY FLOW METER (DOM. CW & NAT GAS)
NTS

NOTES:
1. PROVIDE AND INSTALL UTILITY METERS AS NOTED WITH THE CONTRCT DOCUMENTS AND SPECIFICATIONS.
2. COORDINATE METER INSTALLATION WITH THE APPROPRIATE CONTRACTOR.
3. METER MUST BE INSTALLED PER THE MANUFACTURER'S REQUIREMENTS.

COMM. NO.	1288
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REVISIONS:

PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

MECHANICAL CONTROL DIAGRAMS

MP-4.02

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12/9/2024 10:53:36 AM

CONTRACTOR CANNOT ORDER THE NEW EQUIPMENT UNLESS THEY VERIFY THE NEW EQUIPMENT POWER REQUIREMENT IS COMPATIBLE WITH THE EXISTING CIRCUIT AVAILABLE. IF NOT COMPATIBLE REWORK EXISTING CIRCUIT TO ACCOMODATE NEW EQUIPMENT.

AIR HANDLING UNIT SCHEDULE (WITH SEPERATE ELECTRIC HEATING)

TAG	SUPPLY AIR MAX. CFM	SUPPLY AIR MIN. CFM	ECONOMIZER CFM	OUTSIDE AIR MAX. CFM	OUTSIDE AIR MIN. CFM	SUPPLY FAN EXTERNAL S.P. (IN. OF WTR.)	SUPPLY FAN TOTAL S.P. (IN. OF WTR.)	WHEEL TYPE	WHEEL DIA.	MOTOR MAX. RPM	MOTOR QTY / HP (EA)	MOTOR TOTAL HP	MOTOR TOTAL BRAKE HP	MOTOR VOLTS/ PHASE	FAN CONTROL	COOLING COIL MAX. FACE VELOCITY (FT / MIN.)	COOLING COIL MAX. P.D. (IN. OF WTR.)	E.A.T. Db (°F)	E.A.T. Wb (°F)	SENSIBLE (BTUH)	TOTAL (BTUH)	CHILLED WATER ROWS	CHILLED WATER E.W.T. (°F)	CHILLED WATER L.W.T. (°F)	CHILLED WATER MAX. P.D. (FT. OF WTR.)	CHILLED WATER GPM	MANUFACTURER	MODEL NO.
AHU-1	8,000	--	8,000	3,850	900	3.00	4.49	IMPELLER	17.7	2398	2/6.030	12.06	--	460/3	VFD	480	0.59	90.1	68.7	315,740	381,000	6	42.0	58.0	10.26	47.5	TRANE	CLIMATE CHANGER - CSAA017
AHU-2	18,000	--	18,000	9,880	2,355	3.00	4.66	PLENUM	24.5	3600	2/10	20	19.335	460/3	VFD	450	0.85	92.4	70.0	825,920	1,070,000	8	42.0	58.0	7.50	133.3	TRANE	CLIMATE CHANGER - CSAA040
AHU-3	11,300	--	11,300	4,390	1,215	3.00	4.60	PLENUM	20	3600	2/7.5	15	13.391	460/3	VFD	450	0.71	88.3	67.7	458,250	561,800	8	42.0	58.0	7.23	70.0	TRANE	CLIMATE CHANGER - CSAA025

NOTES:

1. EXTERNAL STATIC PRESSURE INCLUDES ALL AIR DEVICES, TERMINAL UNITS, DUCTWORK, FITTINGS, AND DAMPERS WHICH ARE EXTERNAL TO THE AIR HANDLING UNIT. EXT. S.P. DOES NOT INCLUDE FILTERS, COILS, OR FACTORY FABRICATED RETURN AIR PLENUMS.
2. ALL MOTORS CONTROLLED BY VARIABLE FREQUENCY CONTROLLERS SHALL BE EQUIPPED WITH AEGIS SHAFT GROUNDING RING KIT TO BE INSTALLED BY EQUIPMENT MANUFACTURER OR INSTALLED IN THE FIELD BY CONTRACTOR.
3. UNITS SHALL BE RATED AND LABLED FOR 65Ka SCCR.
4. PROVIDE WITH MANUFACTURER'S EXTERNAL UNIT MOUNTED VFD FOR UNIT SUPPLY FAN. AHU-1 SHALL HAVE A MOTORIZED IMPELLER CONTROL PANEL WITH HOA SWITCH.
5. PROVIDE EACH UNIT WITH FULL ECONOMIZER CYCLE DAMPER AND CONTROLS PER SPECIFICATIONS.

HYDRONIC HEATING WATER BOILER SCHEDULE

TAG	FUEL TYPE	WATER FLOW CONNECTION SIZE	WATER FLOW E.W.T. (°F)	WATER FLOW L.W.T. (°F)	WATER FLOW MAX. GPM	WATER FLOW MIN. GPM	WATER FLOW MAX. P.D (FT OF WTR.)	HEATING CAPACITY MAX. INPUT (BTUH)	HEATING CAPACITY MIN. OUTPUT (BTUH)	ELECTRICAL VOLTS	ELECTRICAL PHASE	MANUFACTURER	MODEL NO.
B-1	NATURAL GAS	4"	140	180	375	25	3.00	3,000,000	2,625,000	460	3	AERCO	BMK STANDARD 3000 WITH EDGE

NOTES:

1. BOILERS SHALL BE FURNISHED COMPLETE WITH ALL NECESSARY OPERATING AND SAFETY CONTROLS.
2. BOILER FLUES SHALL BE INSTALLED TO MEET MANUFACTURER'S RECOMMENDATIONS AND BE IN ACCORDANCE WITH NATIONAL, STATE AND LOCAL CODES.
3. PROVIDE CONDENSATE NEUTRALIZATION KIT.
4. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING BOILER INSPECTION.
5. UNIT SHALL BE PROVIDED BACNET COMMUNICATION INTERFACE CARD FOR INTERGRATION INTO THE CAMPUS FMCS.

AIR HANDLING UNIT SCHEDULE (WITH PRE-HEAT)

TAG	SUPPLY AIR MAX. CFM	SUPPLY AIR MIN. CFM	ECONOMIZER CFM	OUTSIDE AIR MAX. CFM	OUTSIDE AIR MIN. CFM	SUPPLY FAN EXTERNAL S.P. (IN. OF WTR.)	SUPPLY FAN TOTAL S.P. (IN. OF WTR.)	WHEEL TYPE	WHEEL DIA.	MOTOR MAX. RPM	MOTOR QTY / HP (EA)	MOTOR TOTAL HP	MOTOR TOTAL BRAKE HP	MOTOR VOLTS/ PHASE	FAN CONTROL	PRE-HEATING COIL MAX. FACE VELOCITY	PRE-HEATING COIL MAX. P.D. (IN. OF WTR.)	PRE-HEATING COIL E.A.T. (°F)	PRE-HEATING COIL MIN. CAPACITY (BTUH)	HEATING WATER ROWS	HEATING WATER E.W.T. (°F)	HEATING WATER L.W.T. (°F)	HEATING WATER MAX. P.D. (FT. OF WTR.)	HEATING WATER GPM	COOLING COIL MAX. FACE VELOCITY (FT / MIN.)	COOLING COIL MAX. P.D. (IN. OF WTR.)	COOLING COIL E.A.T. Db (°F)	COOLING COIL E.A.T. Wb (°F)	COOLING COIL SENSIBLE (BTUH)	COOLING COIL TOTAL (BTUH)	CHILLED WATER ROWS	CHILLED WATER E.W.T. (°F)	CHILLED WATER L.W.T. (°F)	CHILLED WATER MAX. P.D. (FT. OF WTR.)	CHILLED WATER GPM	MANUFACTURER	MODEL NO.
AHU-4	4,000	4,000	4,000	2,315	500	3.00	4.51	IMPELLER	12.2	3985	2/4.020	8.04	--	460/3	VFD	400	0.12	28	290,430.0	2	140	180	0.37	15	400	0.55	94.6	71.5	186,770	247,000	6	42.0	58.0	7.30	30.8	TRANE	CLIMATE CHANGER - CSAA010
AHU-5	6,000	6,000	6,000	1,100	340	3.00	4.86	IMPELLER	15.7	3650	2/8.050	16.1	--	460/3	VFD	490	0.15	53	274,600.0	2	140	180	0.28	14	490	0.86	80.8	66.0	194,100	263,000	8	42.0	58.0	9.05	32.8	TRANE	CLIMATE CHANGER - CSAA012

NOTES:

1. EXTERNAL STATIC PRESSURE INCLUDES ALL AIR DEVICES, TERMINAL UNITS, DUCTWORK, FITTINGS, AND DAMPERS WHICH ARE EXTERNAL TO THE AIR HANDLING UNIT. EXT. S.P. DOES NOT INCLUDE FILTERS, COILS, OR FACTORY FABRICATED RETURN AIR PLENUMS.
2. ALL MOTORS CONTROLLED BY VARIABLE FREQUENCY CONTROLLERS SHALL BE EQUIPPED WITH AEGIS SHAFT GROUNDING RING KIT TO BE INSTALLED BY EQUIPMENT MANUFACTURER OR INSTALLED IN THE FIELD BY CONTRACTOR.
3. UNITS SHALL BE RATED AND LABLED FOR 65Ka SCCR.
4. PROVIDE UNIT WITH MANUFACTUER'S EXTERNAL UNIT MOUNTED VFD FOR UNIT SUPPLY FAN. AHU-4 AND AHU-5 SHALL HAVE A MOTORIZED IMPELLER CONTROL PANEL WITH HOA SWITCH.
5. PROVIDE EACH UNIT WITH FULL ECONOMIZER CYCLE DAMPER AND CONTROLS PER SPECIFICATIONS.

UNIT HEATER SCHEDULE (ELECTRIC)

TAG	LOCATION	CFM	KW	VOLTS	PHASE	MAX AMP RATING	MANUFACTURER	MODEL NO.
CUH-1	VESTIBULE	150	2	208	3	--	QMARK	CDF
UH-1	MECH A230	3,100	50	480	3	60.3	TRANE	UHEC-5003DACA
UH-2	MECH A200	5,000	100	480	3	120.4	TRANE	UHEC-1003DACA

NOTES:

1. QUANTITIES INDICATED FOR HIGH FAN SPEED OPERATION.
2. MINIMUM MOUNTING HEIGHT = 7'-0" TO BOTTOM OF UNIT FOR UH-1 AND UH-2.
3. PROVIDE AND INSTALL UNIT MOUNTED THERMOSTAT FOR EACH UNIT.
4. PROVIDE AND INSTALL UNIT MOUNTED TRANSFORMER TO PROVIDE PROPER MOTOR VOLTAGE.
5. CUH-1 IS A CEILING MOUNTED UNIT HEATER LOCATED IN THE VESTIBULE AREA.

FAN SCHEDULE

TAG	SERVICE	LOCATION	CFM	T.S.P.	MAX. SONES	FAN TYPE	WHEEL TYPE	WHEEL DIA.	DRIVE	MOTOR RPM	MOTOR HP	MOTOR VOLTS	MOTOR PHASE	CONTROL	MANUFACTURER	MODEL NO.	NOTES
EF-8	KITCHEN HOOD (GREASE EXHAUST)	SOUTH WING	1500	1.25	12.8	UPBLAST	FC	16.5	DIRECT	1725	1	460	3	VFD	LOREN COOK	165RH17D	NEW EXHAUST FAN
EF-9	KITCHEN HOOD (GREASE EXHAUST)	SOUTH WING	1750	1.30	13.8	UPBLAST	FC	16.5	DIRECT	1725	1	460	3	VFD	LOREN COOK	165RH17D	NEW EXHAUST FAN
EF-10	WASHING STATION	SOUTH WING	500	0.15	4.8	UPBLAST	BI	12	DIRECT	1550	0.036	115	1	BMS	LOREN COOK	101R15D	NEW EXHAUST FAN

NOTES:

1. STATIC PRESSURE INCLUDES GRILLES, DUCTWORK AND DAMPERS.
2. EXHAUST FANS SHALL HAVE BACKDRAFT DAMPERS. ROOF FANS SHALL HAVE ALUMINUM BIRD SCREENS.
3. ROOF MOUNTED FANS SHALL HAVE FACTORY BUILT, SOUND ATTENUATING ROOF CURBS COMPATIBLE WITH THE ROOFING SYSTEM.

ROOFTOP UNIT SCHEDULE (GAS HEAT)

TAG	NOMINAL TONS	SUPPLY CFM	O/A CFM	EXT. S.P. (IN. OF WTR.)	MOTOR HP	COOLING TOTAL CAPACITY (MBH)	COOLING SENSIBLE CAPACITY (MBH)	COOLING E.A.T. Db (°F)	COOLING E.A.T. Wb (°F)	COOLING AMBIENT TEMP. (°F)	GAS HEATING INPUT (MBH)	GAS HEATING OUTPUT (MBH)	ELECTRICAL MCA	ELECTRICAL MOCP	ELECTRICAL VOLTS	ELECTRICAL PHASE	EER	MANUFACTURER	MODEL NO.
RTU-2	10	4,000	800	1.00	3	114.3	100.0	81	66	105	240.0	194.4	29	40	460	3	11.10	TRANE	YHJ120A4SBH
RTU-3	7.5	3,000	725	1.00	3	86.5	75.7	81	66	105	200.0	162.0	21	25	460	3	12.10	TRANE	YHJ090A4SBH

NOTES:

1. EXTERNAL STATIC PRESSURE INCLUDES ALL AIR DEVICES, TERMINAL UNITS, DUCTWORK, FITTINGS, AND DAMPERS WHICH ARE EXTERNAL TO THE AIR HANDLING UNIT. EXT. S.P. DOES NOT INCLUDE FILTERS, COILS, OR FACTORY FABRICATED RETURN AIR PLENUMS.
2. UNITS SHALL BE FURNISHED COMPLETE WITH ALL NECESSARY OPERATING CONTROLS.
3. ALL UNIT COMPRESSORS SHALL BE FULLY MODULATING.
4. PROVIDE EXPANDED METAL HAIL GUARDS ON ALL UNITS.
5. UNITS SHALL BE FURNISHED COMPLETE WITH INSULATED FACTORY FABRICATED ROOF CURBS. ROOF CURB SHALL BE FABRICATED TO MATCH ROOF SLOPE. HEIGHT OF ROOF CURB SHALL BE SUFFICIENT TO PROVIDE REQUIRED CLEARANCES.
6. PROVIDE EACH UNIT WITH FULL ECONOMIZER CYCLE DAMPERS, RELIEF DAMPERS, AND CONTROLS PER SPECIFICATIONS.
7. INSTALL SMOKE DETECTORS IN THE RETURN DUCTS AS REQUIRED BY LOCAL CODE AND SPECIFICATIONS. SMOKE DETECTORS ARE TO SHUT-OFF UNITS UPON DETECTION OF SMOKE.
8. UNITS SHALL BE PROVIDED WITH A TERMINAL STRIP TO BE CONTROLLED BY THE BUILDING CONTROLS SYSTEM.
9. RTU'S SHALL BE LABLED FOR 65Ka SCCR.
10. PROVIDE VIBRATION ISOLATION ROOF CURBS FOR BOTH RTU-2 AND RTU-3.
11. REFRIGERANT TO BE R454B. NO SUBSTITUTIONS.

DUCTLESS SPLIT AIR CONDITIONING UNIT SCHEDULE

INDOOR UNIT TAG	LOCATION	SUPPLY CFM	E.A.T. Db (°F)	E.A.T. Wb (°F)	COOLING CAPACITY (BTUH)	HEATING CAPACITY (BTUH)	ELECTRICAL VOLTS	ELECTRICAL PHASE	MANUFACTURER	MODEL NO.	OUTDOOR UNIT TAG	CAPACITY (BTUH)	ELECTRICAL MCA	ELECTRICAL MOCP	ELECTRICAL VOLTS	ELECTRICAL PHASE	AMBIENT TEMP. (°F)	MIN. SEER	MANUFACTURER	MODEL NO.
DSS-1	BOOKROOM 128	953	80	67	48,000	52,000	208	1	LG	LC489HHV	CU1-1	48,000	32	40	208	1	105	17.5	LG	LUU480HHV
DSS-2	CLASSROOM A201	853	80	67	33,000	52,000	208	1	LG	LSN363HLV3	CU2-1	33,000	23	30	208	1	105	19	LG	LS363HLV3
DSS-3	CLASSROOM A148	953	80	67	48,000	52,000	208	1	LG	LC489HHV	CU3-1	48,000	32	40	208	1	105	17.5	LG	LUU480HHV
DSS-4	IDF ROOM	853	80	67	33,000	52,000	208	1	LG	LSN363HLV3	CU4-1	33,000	23	30	208	1	105	19	LG	LS363HLV3

NOTES:

1. UNIT HAS SINGLE POINT POWER CONNECTION. INDOOR UNIT IS POWERED VIA THE OUTDOOR UNIT. INSTALLING CONTRACTOR SHALL PROVIDE AND INSTALL LOCAL DISCONNECT FOR INDOOR UNIT AS REQUIRED BY CODE.
2. UNIT SHALL BE FURNISHED COMPLETE WITH ALL NECESSARY OPERATING CONTROLS AND ROUTE CONDENSATE TO NEARBY FLOOR DRAIN OR MOP SINK. DSS-1 AND DSS-3 SHALL HAVE CONDENSATE PUMPS.
3. UNIT SHALL BE FURNISHED WITH WALL MOUNTED, WIRED PROGRAMMABLE THERMOSTAT MODEL No. PREMTB10U. THE PROGRAMMABLE T-STAT TO BE CONNECTED WITH THE BUILDING BMCS FOR UNIT FAILURE, STATUS AND ROOM TEMPERATURE.
4. THE NET COOLING CAPACITIES SHALL BE THE UNIT CAPACITIES IMMEDIATELY DOWNSTREAM OF THE UNIT DISCHARGE. THIS CAPACITY SHALL INCLUDE ANY INTERNAL HEAT GAIN IN THE UNIT, I.E. FAN HEAT, ETC.

VFD SCHEDULE

TAG	LOCATION	SERVING	ENCLOSURE	HP	VOLTS	PHASE	MANUFACTURER	MODEL NO.
VFD-1	MECH 122D	CHWP-1	NEMA/UL - TYPE 12	25	460 V	3	ABB, Inc.	ACH580
VFD-2	MECH 122D	CHWP-2	NEMA/UL - TYPE 12	25	460 V	3	ABB, Inc.	ACH580
VFD-3	MECH 122C	HWP-1	NEMA/UL - TYPE 12	2	460 V	3	ABB, Inc.	ACH580
VFD-4	MECH 122C	HWP-2	NEMA/UL - TYPE 12	10	460 V	3	ABB, Inc.	ACH580
VFD-5	MECH 122C	HWP-3	NEMA/UL - TYPE 12	10	460 V	3	ABB, Inc.	ACH580

NOTES:

1. DRIVE AMPS SHALL BE RATED PER NATIONAL ELECTRICAL CODE TABEL 430.250.
2. VFD SHALL BE PROVIDED AND INSTALLED BY MECHANICAL CONTRACTOR.
3. PROVIDE 5% INTERNAL LINE REACTOR (VFD'S THAT USE OPTIONAL EXTERNAL REACTORS ARE NOT ACCEPTED).
4. PROVIDE INTERNAL EMI/RFI FILTER. DRIVE INPUT CURRENT SHALL NOT EXCEED DRIVE OUTPUT CURRENT.
5. VFD SHALL BE BTL LISTED (COMMUNICATION "GATEWAYS" ARE NOT ACCEPTABLE).
6. VFD SHALL COMMUNICATE WITH THE CAMPUS EMCS.
7. THE VFD SHALL BE RATED AND LABLED FOR 100KAIC PROVIDE WITH FACTORY BY-PASS WITH UL CLASS T FUSES.
8. UL TYPE 1 & 12 ENCLOSURE SHALL BE PLENUM RATED. VFD'S MOUNTED IN WET MECHANICAL ROOMS OR IN OUTSIDE AIR PLENUMS SHALL BE IN UL TYPE 12 ENCLOSURE. VFD'S MOUNTED OUTDOORS SHALL BE IN NEMA 3R WEATHERPROOF ENCLOSURES COMPLETE WITH INLET AND OUTLET FANS, FILTERS, AND HOODS WITH HEATER.
9. ALL MOTORS CONTROLLED BY VARIABLE FREQUENCY CONTROLLERS SHALL BE EQUIPPED WITH AEGIS SHAFT GROUNDING RING KIT TO BE INSTALLED BY EQUIPMENT MANUFACTURER OR INSTALLED IN THE FIELD BY CONTRACTOR.
10. VFDs SHALL HAVE FLUX OPTIMIZATION.

AIR DEVICE SCHEDULE

TAG	DESCRIPTION	OPPOSED BLADE DAMPER	FINISH	PRICE MODEL NO.
S1	24"x24" SQ. LOUVERED FACE CEILING DIFFUSER 8"ø NECK	NO	WHITE ENAMEL	SCD
S2	24"x24" SQ. LOUVERED FACE CEILING DIFFUSER 10"ø NECK	NO	WHITE ENAMEL	SCD
S3	24"x24" SQ. LOUVERED FACE CEILING DIFFUSER 12"ø NECK	NO	WHITE ENAMEL	SCD
R1	24"x24" PERFORATED FACE CEILING GRILLE 22"x22" NECK	NO	WHITE ENAMEL	PDDR
E1	12"x12" PERFORATED FACE CEILING GRILLE 8"ø NECK	YES	WHITE ENAMEL	PDDR
E2	24"x24" PERFORATED FACE CEILING GRILLE 10"ø NECK	YES	WHITE ENAMEL	PDDR
E3	24"x24" PERFORATED FACE CEILING GRILLE 15"ø NECK	YES	WHITE ENAMEL	PDDR

NOTES:

1. ALL SUPPLY DIFFUSERS LISTED AS LOUVERED FACE TYPE SHALL BE (4) CONE LOUVER TYPE.
2. REFER TO ARCHITECTURAL DRAWINGS FOR CEILING TYPES.
3. ALL AIR DEVICES INSTALLED IN GYP BOARD, PLASTER, OR OTHER HARD CEILING SHALL HAVE A SEPARATE MOUNTING FRAME.

AIR COOLED CHILLER SCHEDULE

TAG	TONS	MAX. GPM	MIN. GPM	E.W.T. (°F)	L.W.T. (°F)	DESIGN WATER P.D (FT. OF WTR.)	FOULING FACTOR	NO. OF. COMP.	MIN. EER	MAX. KW	MCA	MOCP	VOLTAGE	PHASE	MANUFACTURER	MODEL
ACC-1	250	316	300	58	42	4.0	0.00001	2	9.322	272.16	486.08	600	460 V	3	TRANE	ACR-250

NOTES:

1. CAPACITY SHALL BE BASED ON 105 F AMBIENT AIR TEMPERATURE
2. SINGLE POWER POINT CONNECTIONS
3. UNIT SHALL BE PROVIDED WITH BACNET CARD AND PROGRAMMABLE RELAYS IN ORDER TO CONNECT TO EXISTING DDC CONTROLS.
4. UNITS SHALL BE RATED AND LABLED FOR 65Ka SCCR.
5. MOUNT CHILLER ON NEOPRENE PAD ISOLATORS PER MANUFCATURER REQUIREMENTS.
6. PROVIDE 6" CONCRETE HOUSEKEEPING PAD FOR CHILLER. THE CONCRETE PAD SHOULD EXTEND 3" BEYOND THE EDGE OF THE EQUIPMENT.

DUCT HEATER SCHEDULE (ELECTRIC HEATING)

TAG	CFM	PRE-HEAT COIL E.A.T. (°F)	PRE-HEAT COIL L.A.T. (°F)	ELECTRICAL KW	ELECTRICAL VOLTS	ELECTRICAL PHASE	MANUFACTURER	MODEL NO.
DH-1	4,390	0	50	69.5	460	3	WARREN	CBK

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TBPELS Firm #44, #10011300, #10011302, #10194146
BHB PROJECT # 2023.183.000

COMM. NO. 1288
DATE 11/11/2024
DRAWN RT
CHECKED ILB

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY
ONE INCH
REVISIONS:

PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS

IAN L. BOST 96649 LICENSED PROFESSIONAL ENGINEER 11/11/2024

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1106 W. RANDOL MILL ROAD
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TBAE FIRM # BR 1330

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT
JAMES BOWIE ELEMENTARY SCHOOL
330 NORTH MARSALIS AVE, DALLAS, TX 75203

MECH/PLBG SCHEDULES

MP-5.01

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CONTRACTOR CANNOT ORDER THE NEW EQUIPMENT UNLESS THEY VERIFY THE NEW EQUIPMENT POWER REQUIREMENT IS COMPATIBLE WITH THE EXISTING CIRCUIT AVAILABLE. IF NOT COMPATIBLE REWORK EXISTING CIRCUIT TO ACCOMODATE NEW EQUIPMENT.

WATER HEATER SCHEDULE (GAS)

TAG	LOCATION	INPUT	VOLTS	PHASE	TANK STORAGE GALLONS	GPH @ 70°F RISE (140° F OUT)	MANUFACTURER	MODEL NO.
WH-1	BOILER 122C	600,000	120	1	130	988	PVI Industries, LLC	60 L 130A-GCLMW

NOTES:

1. PROVIDE SHUTOFF VALVE ON HOT AND COLD WATER LINE.
2. PROVIDE EXPANSION TANK EQUAL TO AMTRO ST-30VC-DD
3. PROVIDE WITH MANUFACTURER'S CONCENTRIC VENT KIT.
4. PROVIDE W/ MANUFACTUER'S CONDENSATE ACID NEUTRALIZATION KIT.
5. BOILER INSPECTION IS TO BE COORDINATED BY THE CONTRACTOR.

PLUMBING FIXTURE SCHEDULE

TAG	FIXTURE	C	H	W	V	DESCRIPTION
WC-1	WATER CLOSET, FLOOR SET FLUSH VALVE, ACCESSIBLE	1"	-	4"	2"	AMERICAN STANDARD #3461.001. VITREOUS CHINA, 1.28 GPF, ELONGATED TOILET. SLOAN ROYAL #111-1.28 FLUSH VALVE. CHURCH #9500CT OPEN FRONT SEAT WITH STA-TITE HINGES. TOP OF SEAT 17-1/2" AFF.
L-1	LAVATORY, WALL HUNG ACCESSIBLE	1/2"	1/2"	2"	2"	AMERICAN STANDARD #0355.012. VITREOUS CHINA WALL-HUNG LAVATORY WITH CONCEALED ARMS SUPPORT. AMERICAN STANDARD #6114.114.002 (0.35 GPM) CENTERSET LESS POP-UP, SINGLE LEVER ULTRA LOW FLOW FAUCET, GRID STRAINER & P-TRAP. ADA INSULATION PACKAGE.
S-1	SINGLE COMPARTMENT SINK COUNTERTOP, ACCESSIBLE	1/2"	1/2"	2"	2"	ELKAY #LRAD-1919-55-2, 18 GA. STAINLESS STEEL 19" x 18" x 5-1/2" DEEP COUNTERTOP SINK WITH 2 FAUCET HOLES. DRAIN OPENING TO BE IN THE CENTER REAR LOCATION. DELTA #27C4844 FAUCET WITH LEVER HANDLES, GOOSENECK SPOUT, AERATOR, STRAINER AND P-TRAP. ADA INSULATION PACKAGE.
S-2	SINGLE COMPARTMENT SINK, COUNTERTOP, ACCESSIBLE	1/2"	-	1-1/2"	2"	ELKAY #CDKAD-2517-VRC, 20 GA. STAINLESS STEEL 25" x 17" x 6-1/2" DEEP COUNTERTOP SINK WITH 2 FAUCET HOLES. DRAIN OPENING TO BE IN THE CENTER LOCATION. ELKAY #LKDV9208513.C SINGLE HOLE FAUCET WITH GOOSENECK SPOUT LEVER, ELKAY #LKVR1141A VANDAL RESISTANT CLASSROOM BUBBLER, AERATOR, STRAINER, & P-TRAP. ADA INSULATION PACKAGE.
FD-1	FLOOR DRAIN	-	-	SEE PLAN	2"	WATTS #FD-100-A COATED CAST IRON WITH ADJUSTABLE ROUND NIKALOY STRAINER. FLOOR DRAIN SHALL HAVE INSIDE CAULK CONNECTION AND 1/2" PRIMER TAP OR PROSET TRAP GUARD.
FS-1	FLOOR SINK	-	-	SEE PLAN	2"	WATTS #FS-730 CAST IRON 12"x12"x6" DEEP SINK WITH ACID-RESISTANT COATING, FLANGE AND ALUMINUM INTERNAL DOME STRAINER. PROVIDE NIKALOY 1/2 GRATE.
AD-1	AREA DRAIN	-	-	SEE PLAN	-	WATTS #FD-300 CAST IRON AREA DRAIN WITH 6-1/2" ROUND ADJUSTABLE HEAVY DUTY NICKEL BRONZED TOP ASSEMBLY.
WB-1	WASHER CONNECTION BOX	1/2"	1/2"	2"	2"	OATEY MODEL #38995, 9" x 6-1/4" METAL WASHING MACHINE WALL BOX, 1/4" TURN BRASS HAMMER BALL VALVES, COPPER SWEAT, 2" RUBBER TAILPIECE MODEL #38990, METAL FACEPLATE MODEL #38975 AND ACCESSORIES MODEL #38976. UNIT SHALL BE INSTALLED COMPLETE WITH DRAIN AND TRAP.

NOTES:

1. ALL FIXTURES SHALL MEET LOW WATER CONSUMPTION REQUIREMENTS.
2. PROVIDE STOPS AT ALL FIXTURES.
3. PROVIDE A COMPLETE PROSET TRAP GUARD SYSTEM FOR ALL FLOOR DRAINS EXCEPT THOSE LOCATED WITHIN THE KITCHEN AS REQUIRED BY LOCAL CODE. PROVIDE A COMPLETE TRAP PRIMER SYSTEM FOR ALL FLOOR DRAINS LOCATED WITHIN THE KITCHEN.
4. ACCESSIBLE FIXTURES SHALL BE MOUNTED AND INSTALLED PER ADA & TAS.
5. FIELD VERIFY TRAP PRIMER QUANTITY AND LOCATION TO COMPLY WITH MANUFACTURER'S INSTALLATION REQUIREMENTS FOR DRAINAGE PIPE SLOPING.
6. PROVIDE FLOOR MOUNTED CARRIERS FOR ALL WALL MOUNTED FIXTURES.
7. PROVIDE TRUE-BRO "LAV-GUARD" INSULATION KIT FOR EXPOSED PIPING AT ALL ACCESSIBLE SINKS AND LAVS.
8. ALL P-TRAPS FOR FIXTURES IN FLOORS ABOVE CONDITIONED SPACES THAT ACCEPT CONDENSATE DRAINAGE, SHALL BE INSULATED, AS WELL AS THE DRAIN PIPING 5'-0" DOWNSTREAM OF THE TRAP.

BACKFLOW PREVENTER SCHEDULE

TAG	LOCATION	SIZE	MANUFACTURER	MODEL NO.
DCA-1	BOILER 122C	4"	WATTS	709

PLUMBING PUMP SCHEDULE

TAG	TYPE	GPM	HEAD (FT)	MOTOR				MANUFACTURER	MODEL NO.
				HP	RPM	VOLTS	PHASE		
CP-1	IN-LINE	5	25	.33	3300	120 V	1	Bell & Gossett	NBF-45
CP-2	IN-LINE	5	25	.33	3300	120 V	1	Bell & Gossett	NBF-45

MECHANICAL PUMP SCHEDULE

TAG	TYPE	SUCTION SIZE	DISCHARGE SIZE	GPM	HEAD (FT)	MOTOR					MANUFACTURER	MODEL NO.
						HP	BHP	RPM	VOLTS	PHASE		
CHWP-1	END SUCTION	3"	2"	315	165	25	18.7	1800	460 V	3	Bell & Gossett	e-1510-2GB
CHWP-2	END SUCTION	3"	2"	315	165	25	18.7	1800	460 V	3	Bell & Gossett	e-1510-2.5AC
HWP-1	INLINE	1 1/4"	1 1/4"	50	55	2	1.95	3600	460 V	3	Bell & Gossett	e-90-1.25AAB
HWP-2	INLINE	2"	2"	125	115	10	5.3	3600	460 V	3	Bell & Gossett	e-80 2x2x7B
HWP-3	INLINE	2"	2"	125	115	10	5.3	3600	460 V	3	Bell & Gossett	e-80 2x2x7B

MAKE-UP AIR UNIT SCHEDULE (GAS HEAT)

TAG	NOMINAL TONS	O/A CFM	EXT. S.P (IN. OF WTR.)	MOTOR HP	COOLING					GAS HEATING		ELECTRICAL				EER	MANUFACTURER	MODEL NO.
					TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	E.A.T.		AMBIENT TEMP. (°F)	INPUT (MBH)	OUTPUT (MBH)	MCA	MOCP	VOLTS	PHASE			
							Db (°F)	Wb (°F)										
MUA-1	7	1,500	0.65	1	92.4	62.4	107	82	105	125.0	100.0	18.3	25	460	3	12.1	TRANE	OABD084E4
MUA-2	7	1,750	0.65	1	105.4	73.2	107	82	105	150.0	120.0	20.7	30	460	3	12	TRANE	OABD096E

NOTES:

1. EXTERNAL STATIC PRESSURE INCLUDES ALL AIR DEVICES, DUCTWORK FITTINGS, AND DAMPERS WHICH ARE EXTERNAL TO THE MAKEUP AIR UNIT. EXT. S.P. DOES NOT INCLUDE FILTERS, COILS, OR FACTORY FABRICATED RETURN AIR PLENUMS.
2. THE SPECIFIED COOLING CAPACITIES SHALL BE THE UNIT CAPACITIES IMMEDIATELY DOWNSTREAM OF THE UNIT DISCHARGE. THIS CAPACITY SHALL INCLUDE ANY INTERNAL HEAT GAIN THE UNIT. I.E FAN HEAT, ETC.
3. UNITS SHALL BE FURNISHED COMPLETE WITH ALL NECESSARY OPERATING CONTROLS.
4. MAKEUP AIR UNIT SHALL BE INTERLOCKED WITH THE HOOD EXHAUST FAN AND CONTROLLED BY THE HOOD CONTROLLER.
5. PROVIDE EXPANDED METAL HAILGUARD ON UNIT.
6. UNITS SHALL BE PROVIDED WITH A TERMINAL STRIP TO BE CONTROLLED BY THE BUILDING CONTROLS SYSTEM.
7. MUA'S SHALL BE LABLED FOR 65Ka SCCR.

PRESSURE REDUCING VALVE SCHEDULE

TAG	LOCATION	PRESSURE		PIPE SIZE	
		INLET	OUTLET	INLET	OUTLET
GPRV-1	EXTERIOR	5 psi	OZ	2"	2"

BAIRD, HAMPTON & BROWN
building partners

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TBPELS Firm #44, #10011300, #10011302, #10194146
BHB PROJECT # 2023.183.000

COMM. NO. 1288
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BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS

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RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

MECH/PLBG SCHEDULES

MP-5.02

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COMcheck Software Version COMcheckWeb
Mechanical Compliance Certificate

Project Information

Energy Code:	2021 IECC
Project Title:	DISD James Bowie Elementary School Renovations
Location:	Dallas, Texas
Climate Zone:	2a
Project Type:	Alteration

Construction Site:
330 N Marsalis Ave
Dallas, Texas 75203

Owner/Agent:

Designer/Contractor:
Richard Tran
Baird Hampton, & Brown
6300 Ridglea Pl., Suite 700
Fort Worth, Texas 76116
817-338-1277
rtran@bhbinc.com

Mechanical Systems List

Quantity	System Type & Description
1	AHU-1 (Multiple-Zone): Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity Unknown No minimum efficiency requirement applies Cooling: 1 each - Hydronic Coil, Capacity = 381 kBtu/h, Air Economizer No minimum efficiency requirement applies Fan System: AHU-1 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 2 Supply, Multi-Zone VAV, 8000 CFM, 12.0 motor nameplate hp, 1.41 fan energy index
1	AHU-2 (Multiple-Zone): Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity Unknown No minimum efficiency requirement applies Cooling: 1 each - Hydronic Coil, Capacity = 1070 kBtu/h, Air Economizer No minimum efficiency requirement applies Fan System: AHU-2 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 3 Supply, Multi-Zone VAV, 18000 CFM, 20.0 motor nameplate hp, 1.29 fan energy index
1	AHU-3 (Multiple-Zone): Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity Unknown No minimum efficiency requirement applies Cooling: 1 each - Hydronic Coil, Capacity = 561 kBtu/h, Air Economizer No minimum efficiency requirement applies Fan System: AHU-3 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 5 Supply, Multi-Zone VAV, 11300 CFM, 15.0 motor nameplate hp, 1.30 fan energy index
1	AHU-4 (Single Zone): Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 290 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - Hydronic Coil, Capacity = 247 kBtu/h, Air Economizer No minimum efficiency requirement applies Fan System: AHU-4 -- Compliance (Brake HP and fan efficiency method) : Passes Fans: FAN 9 Supply, Single-Zone VAV, 4000 CFM, 6.0 motor nameplate hp, 5.0 design brake hp (5.0 max. BHP), 1.44 fan energy index

Quantity	System Type & Description
	Pressure Drop Credits: Particulate filtration credit: MERV 13 through 15, 0.8715 credit
1	AHU-5 (Single Zone): Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 274 kBtu/h No minimum efficiency requirement applies Cooling: 1 each - Hydronic Coil, Capacity = 263 kBtu/h, Air Economizer No minimum efficiency requirement applies Fan System: AHU-5 -- Compliance (Brake HP and fan efficiency method) : Passes Fans: FAN 12 Supply, Single-Zone VAV, 6000 CFM, 10.0 motor nameplate hp, 6.9 design brake hp (10.0 max. BHP), 1.34 fan energy index Pressure Drop Credits: Particulate filtration credit: MERV 13 through 15, 1.3072 credit
1	RTU-2 (Single Zone): Heating: 1 each - Central Furnace, Gas, Capacity = 194 kBtu/h Proposed Efficiency = 81.00% Et, Required Efficiency: 80.00 % Et or 80% AFUE Cooling: 1 each - Single Package DX Unit, Capacity = 114 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 11.10 EER, Required Efficiency = 11.00 EER Proposed Part Load Efficiency = 15.60 IEER, Required Part Load Efficiency = 14.60 IEER Fan System: RTU-2 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 12 Supply, Single-Zone VAV, 4000 CFM, 3.0 motor nameplate hp, 0.00 fan energy index , fan exception: Fan array <= 5 total HP or <= 4.1 kW
1	RTU-3 (Single Zone): Heating: 1 each - Central Furnace, Gas, Capacity = 162 kBtu/h Proposed Efficiency = 81.00% Et, Required Efficiency: 80.00 % Et or 80% AFUE Cooling: 1 each - Single Package DX Unit, Capacity = 86 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 12.10 EER, Required Efficiency = 11.00 EER Proposed Part Load Efficiency = 17.10 IEER, Required Part Load Efficiency = 14.60 IEER Fan System: RTU-3 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 13 Supply, Single-Zone VAV, 3000 CFM, 3.0 motor nameplate hp, 0.00 fan energy index , fan exception: Fan array <= 5 total HP or <= 4.1 kW
2	DSS-1, DSS-3 (Single Zone): Split System Heat Pump Heating Mode: Capacity = 52 kBtu/h, Proposed Efficiency = 10.65 HSPF2, Required Efficiency = 7.50 HSPF2 Cooling Mode: Capacity = 48 kBtu/h, Proposed Efficiency = 17.50 SEER2, Required Efficiency = 14.30 SEER2 Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00 Fan System: DSS-1, DSS-3 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 10 Supply, Constant Volume, 953 CFM, 0.5 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW
2	DSS-2, DSS-4 (Single Zone): Split System Heat Pump Heating Mode: Capacity = 52 kBtu/h, Proposed Efficiency = 7.90 HSPF2, Required Efficiency = 7.50 HSPF2 Cooling Mode: Capacity = 33 kBtu/h, Proposed Efficiency = 18.50 SEER2, Required Efficiency = 14.30 SEER2 Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00 Fan System: DSS-2, DSS-4 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 11 Supply, Constant Volume, 853 CFM, 0.5 motor nameplate hp, 0.00 fan energy index , fan exception: Single fan < 1 HP or < 0.89 kW
1	UH-1 (Unknown w/ PerimeterSystem): Heating: 1 each - Unit Heater, Electric, Capacity = 50 kBtu/h No minimum efficiency requirement applies

Quantity	System Type & Description
1	UH-2 (Unknown w/ PerimeterSystem): Heating: 1 each - Unit Heater, Electric, Capacity = 100 kBtu/h No minimum efficiency requirement applies
1	CUH-1 (Unknown w/ PerimeterSystem): Heating: 1 each - Unit Heater, Electric, Capacity = 2 kBtu/h No minimum efficiency requirement applies
1	MUA-1 (Single Zone w/ PerimeterSystem): Heating: 1 each - Central Furnace, Gas, Capacity = 150 kBtu/h Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et or 80% AFUE Cooling: 1 each - Packaged Terminal Unit, Capacity = 92 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 12.10 EER, Required Efficiency = 9.50 EER Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00 Fan System: MUA-1 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 13 Supply, Single-Zone VAV, 1500 CFM, 1.0 motor nameplate hp, 0.00 fan energy index , fan exception: Fan array <= 5 total HP or <= 4.1 kW
1	MUA-2 (Single Zone w/ PerimeterSystem): Heating: 1 each - Central Furnace, Gas, Capacity = 100 kBtu/h Proposed Efficiency = 80.00% Et, Required Efficiency: 80.00 % Et or 80% AFUE Cooling: 1 each - Packaged Terminal Unit, Capacity = 120 kBtu/h, Air-Cooled Condenser, Air Economizer Proposed Efficiency = 12.10 EER, Required Efficiency = 9.50 EER Proposed Part Load Efficiency = 0.00 , Required Part Load Efficiency = 0.00 Fan System: MUA-2 -- Compliance (Motor nameplate HP and fan efficiency method) : Passes Fans: FAN 14 Supply, Single-Zone VAV, 1750 CFM, 1.0 motor nameplate hp, 0.00 fan energy index , fan exception: Fan array <= 5 total HP or <= 4.1 kW
1	ACC-1 (Single Zone): Cooling: 1 each - Passive Chilled Water Unit, Capacity = 3000 kBtu/h, Air-Cooled Condenser, Air Economizer No minimum efficiency requirement applies
1	B-1: Heating: Hot Water Boiler, Capacity 3000 kBtu/h, Gas, with Waterloop Heat Pump Proposed Efficiency: 94.60 % Ec, Required Efficiency: 82.00 % Ec
1	WH-1: Gas Storage Water Heater, Capacity: 130 gallons, Input Rating: 600 kBtu/h w/ Circulation Pump Proposed Efficiency: 97.00 % Et, Required Efficiency: 80.00 % Et

Mechanical Compliance Statement

Compliance Statement: The proposed mechanical alteration project represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2021 IECC requirements in COMcheck Version COMcheckWeb and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

Richard Tran, EIT		11/25/2024
Name - Title	Signature	Date

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BHB PROJECT # 2023.183.000

Autodesk Docs://DISD James Bowie ES/DISD James Bowie MPFA - BHB_R24.rvt

COMM. NO. 1288
DATE 11/11/2024
DRAWN RT
CHECKED ILB

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS

IAN L. BOST 96649 LICENSED PROFESSIONAL ENGINEER 11/11/2024

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116 W. RANDOL MILL ROAD
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PHONE (817) 265-1582
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TBAE FIRM # BR 1330

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

MECHANICAL COMCHECK

MP-6.01

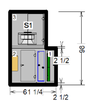
12/9/2024 10:04:43 AM

THIS SHEET IS TO SHOW THE OVERALL DIMENSIONS AND WEIGHTS OF THE AHU'S

TRANE

Job Name: Dallas ISD Bowie ES 2024 Reno

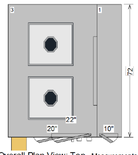
CSAA
Quantity: 1
Tags: AHU-1-9.18



For maneuvering purposes, include 1.125 inches to each ship split length for overlapping panel flange. Flange will not add to overall installed unit length sh

Pos #	Module	Length	Weight
1	Filter section	14	139.20
2	Coil section	47 1/4	792.64
3	Fan section	48	599.32

Installed Unit Weight 1531.15 lbs



Basic Overall Plan View: Top - Measurements in inches

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES / NOT TO SCALE

Unit size: 17	Job Name: Dallas ISD Bowie ES 2024 Reno	Unit Casing: 2in Double Wall Foam
Product group: Indoor unit	8000 cfm	Proposal Number:
Integral base frame: 2.5in. integral base frame	Sales Office:	Tags: AHU-1-9.18
Paint:		1435.1 lb / 1531.2 lb

TRANE Performance Climate Changer Air Handlers

2024/09/18 05:06:39
Product Version: 1

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FOR AHU-1, LOCATED ON SECOND FLOOR, CONTRACTOR TO COORDINATE WITH MANUFACTURER TO HAVE THE SMALLEST SHIP SPLIT AS POSSIBLE FOR THE UNIT TO FIT THROUGH THE EXISTING 3' X 7' DOORWAY IN STAIRWELL OR HAVE SECTIONS THAT CAN BE DISASSEMBLED AND REASSEMBLED IN THE MECHANICAL ROOM.

TRANE

Job Name: Dallas ISD Bowie ES 2024 Reno

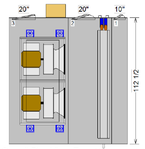
CSAA
Quantity: 1
Tags: AHU-2-9.18

Shipping splits are indicated by thick black lines

For maneuvering purposes, include 1.125 inches to each ship split length for overlapping panel flange. Flange will not add to overall installed unit length sh

Pos #	Module	Length	Weight
1	Filter section	14	339.00
2	Coil section	36 1/2	1582.85
3	Fan section	52 1/2	1984.66

Installed Unit Weight 3906.51 lbs



Basic Overall Plan View: Top - Measurements in inches

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES / NOT TO SCALE

Unit size: 40	Job Name: Dallas ISD Bowie ES 2024 Reno	Unit Casing: 2in Double Wall Foam
Product group: Indoor unit	18000 cfm	Proposal Number:
Integral base frame: 2.5in. integral base frame	Sales Office:	Tags: AHU-2-9.18
Paint:		3632.4 lb / 3906.5 lb

TRANE Performance Climate Changer Air Handlers

2024/09/18 05:06:39
Product Version: 1

Page 5 of 11

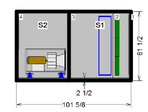
FOR AHU-2, LOCATED ON SECOND FLOOR, CONTRACTOR TO COORDINATE WITH MANUFACTURER TO HAVE THE SMALLEST SHIP SPLIT AS POSSIBLE FOR THE UNIT TO FIT THROUGH THE EXISTING 3' X 7' DOORWAY IN STAIRWELL OR HAVE SECTIONS THAT CAN BE DISASSEMBLED AND REASSEMBLED IN THE MECHANICAL ROOM.

TRANE

Job Name: Dallas ISD Bowie ES 2024 Reno

CSAA
Quantity: 1
Tags: AHU-3-9.18

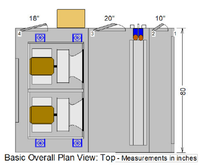
Shipping splits are indicated by thick black lines



For maneuvering purposes, include 1.125 inches to each ship split length for overlapping panel flange. Flange will not add to overall installed unit length sh

Pos #	Module	Length	Weight
1	Access section	2	148.00
2	Filter section	14	170.00
3	Coil section	39	931.80
4	Fan section	46 5/8	1328.19

Installed Unit Weight 2577.99 lbs



Basic Overall Plan View: Top - Measurements in inches

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES / NOT TO SCALE

Unit size: 25	Job Name: Dallas ISD Bowie ES 2024 Reno	Unit Casing: 2in Double Wall Foam
Product group: Indoor unit	11300 cfm	Proposal Number:
Integral base frame: 2.5in. integral base frame	Sales Office:	Tags: AHU-3-9.18
Paint:		2398.2 lb / 2578.0 lb

TRANE Performance Climate Changer Air Handlers

2024/09/18 05:06:39
Product Version: 1

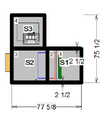
Page 5 of 11

FOR AHU-3, LOCATED ON TOP STRUCTURAL PLATFORM ABOVE (E)-AHU-6, CONTRACTOR TO COORDINATE WITH MANUFACTURER TO HAVE THE SMALLEST SHIP SPLIT AS POSSIBLE FOR THE UNIT TO FIT THROUGH THE EXISTING 6' X 7' DOORWAY IN THE MECHANICAL ROOM AND CAN BE DISASSEMBLED AND REASSEMBLED IN THE MECHANICAL ROOM IF NECESSARY.

TRANE

Job Name: Dallas ISD Bowie ES 2024 Reno

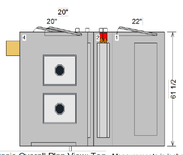
CSAA
Quantity: 1
Tags: AHU-4-9.18



For maneuvering purposes, include 1.125 inches to each ship split length for overlapping panel flange. Flange will not add to overall installed unit length sh

Pos #	Module	Length	Weight
1	Air mixing section	27 7/8	258.00
2	Coil section	10	156.09
3	Coil section	39 5/8	357.17
4	Fan section	36 3/8	378.80

Installed Unit Weight 1350.98 lbs



Basic Overall Plan View: Top - Measurements in inches

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES / NOT TO SCALE

Unit size: 10	Job Name: Dallas ISD Bowie ES 2024 Reno	Unit Casing: 2in Double Wall Foam
Product group: Indoor unit	4000 cfm	Proposal Number:
Integral base frame: 2.5in. integral base frame	Sales Office:	Tags: AHU-4-9.18
Paint:		1272.0 lb / 1351.0 lb

TRANE Performance Climate Changer Air Handlers

2024/09/18 05:06:39
Product Version: 1

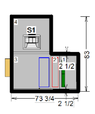
Page 6 of 12

FOR AHU-4 CONTRACTOR TO COORDINATE WITH MANUFACTURER TO HAVE THE SMALLEST SHIP SPLIT AS POSSIBLE FOR THE UNIT TO FIT THROUGH THE EXISTING 6' X 7' DOORWAY IN THE MECHANICAL ROOM AND CAN BE DISASSEMBLED AND REASSEMBLED IN THE MECHANICAL ROOM IF NECESSARY.

TRANE

Job Name: Dallas ISD Bowie ES 2024 Reno

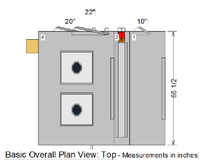
CSAA
Quantity: 1
Tags: AHU-5-9.18



For maneuvering purposes, include 1.125 inches to each ship split length for overlapping panel flange. Flange will not add to overall installed unit length sh

Pos #	Module	Length	Weight
1	Air mixing section	20 5/8	260.60
2	Coil section	10	173.67
3	Coil section	43 1/8	714.18
4	Fan section	44	545.67

Installed Unit Weight 1694.32 lbs



Basic Overall Plan View: Top - Measurements in inches

OPENING AND DIMENSIONS MAY VARY FROM CONTRACT DOCUMENTS / RETURN OF APPROVED DRAWINGS CONSTITUTES ACCEPTANCE OF THESE VARIANCES / NOT TO SCALE

Unit size: 12	Job Name: Dallas ISD Bowie ES 2024 Reno	Unit Casing: 2in Double Wall Foam
Product group: Indoor unit	6000 cfm	Proposal Number:
Integral base frame: 2.5in. integral base frame	Sales Office:	Tags: AHU-5-9.18
Paint:		1579.1 lb / 1694.3 lb

TRANE Performance Climate Changer Air Handlers

2024/09/27 13:49:02
Product Version: 1

Page 6 of 20

FOR AHU-5, LOCATED ON TOP STRUCTURAL PLATFORM ABOVE AHU-4, CONTRACTOR TO COORDINATE WITH MANUFACTURER TO HAVE THE SMALLEST SHIP SPLIT AS POSSIBLE FOR THE UNIT TO FIT THROUGH THE EXISTING 6' X 7' DOORWAY IN THE MECHANICAL ROOM AND CAN BE DISASSEMBLED AND REASSEMBLED IN THE MECHANICAL ROOM IF NECESSARY.

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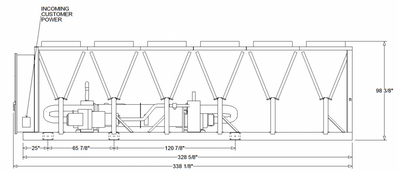
Page 9 of 13

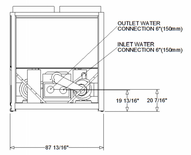
TRANE

Job Name: Dallas ISD Bowie ES 2024
Prepared For:
Unit Tag: AHU-6(Exist)

Quantity: 1
Sales Office: Fort Worth

250 NOMINAL TONS
Water Volume 26.6 Gallons/100.6 L
Shipping Weight 16,300 lb
Weight Tolerance +/- 10%
Incoming Power Dimensions 11 13/16" X 9 13/16"
TSA Version 287 Data Generation N/A
Dimensional Tolerance +/- 1/4"





UNITS WITH LOUVER PANELS, ADD 1 1/4" TO UNIT LENGTH

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TBPELS Firm #44, #10011300, #10011302, #10194146
BHB PROJECT # 2023.183.000

COMM. NO. 1288
DATE 11/11/2024
DRAWN RT
CHECKED ILB

BAR IS ONE INCH IN LENGTH ON ORIGINAL DRAWING CHECK SCALE AND ADJUST ACCORDINGLY

ONE INCH

REVISIONS:

PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS

IAN L. BOST
96649
LICENSED PROFESSIONAL ENGINEER
11/11/2024

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FAX (817) 265-1592
WWW.LBLARCHITECTS.COM
TBAE FIRM # BR 1330

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

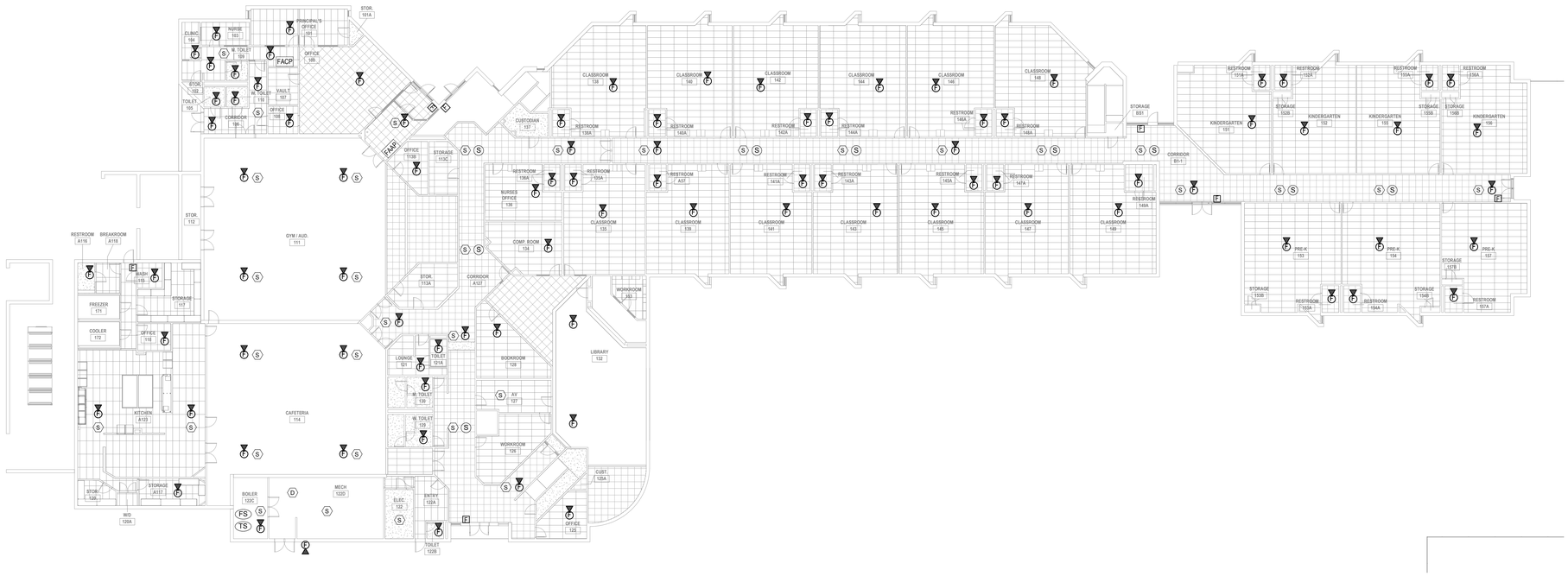
330 NORTH MARSALIS AVE., DALLAS, TX 75203

MECHANICAL EQUIPMENT DETAILS AND DIMENSIONS

MP-7.01

12/9/2024 10:59:43 AM

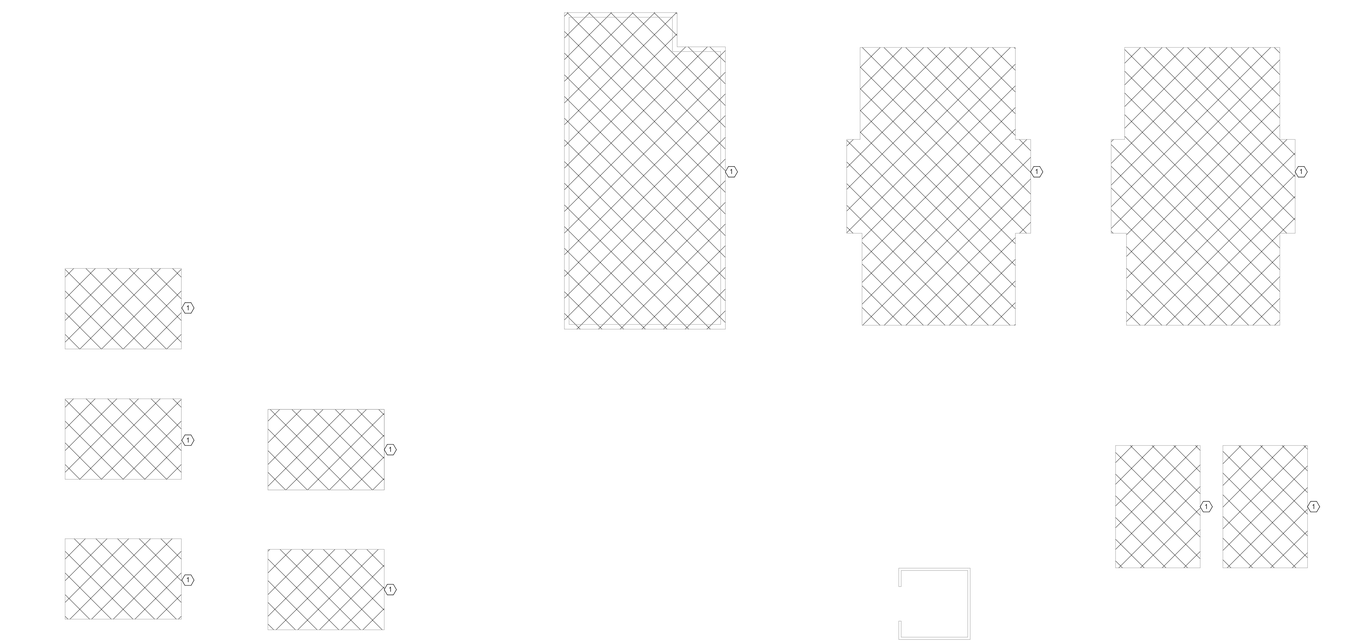
Autodesk Docs://DISD James Bowie ES/DISD_James Bowie MPFA - BHB_R24.rvt



1 OVERALL FIRE ALARM PLAN - LEVEL 1

1/16" = 1'-0"

NORTH



2 OVERALL FIRE ALARM PLAN - PORTABLE BUILDINGS

NTS

NORTH

FIRE ALARM DEVICE SYMBOL LIST

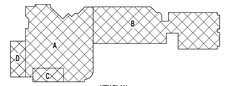
SYMBOL	DESCRIPTION
F	FIRE ALARM PULL STATION
F/◁	FIRE ALARM SPEAKER/STROBE UNIT
S	FIRE ALARM SPEAKER
S	CEILING MTD SMOKE DETECTOR
D	DUCT MOUNTED SMOKE DETECTOR
H	CEILING MTD HEAT DETECTOR
TS	FIRE ALARM TAMPER SWITCH
FS	FIRE ALARM FLOW SWITCH

SHEET NOTES:

1. FIRE ALARM SYSTEM FOR THE ENTIRE BUILDING SHALL BE REPLACED. NEW FIRE ALARM SYSTEM SHALL BE AN EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM AND SHALL MEET THE REQUIREMETNS OF THE DALLAS FIRE CODE AND DALLAS BUILDING CODE.
2. SPEAKER AND STROBE FIRE ALARM DEVICES SHALL BE PROVIDED THROUGHOUT THE BUILDING.
3. IF THE EXISTING FIRE ALARM SYSTEM IS TO BE TAKEN DOWN AT ALL PRIOR TO THE NEW SYSTEM BEING OPERATIONAL A FIRE WATCH SHALL BE PROVIDED.
4. FIRE ALARM MAIN CONTROL PANEL TO BE INSTALLED IN THE MAIN OFFICE.
5. FIRE ALARM ANNUNCIATOR PANEL TO BE INSTALLED IN SECURED VESTIBULE.
6. CONTRACTOR TO REMOVE, SECURE, AND PROPERLY BOX ALL EXISTING FIRE ALARM DEVICES (INCLUDING BUT NOT LIMITED TO STROBES, PULL STATIONS, DETECTORS, ETC.) FOR DISD PICKUP.
7. FIRE ALARM CONTRACTOR TO PROVIDE AES DEVICE (AES 7707P-88-ULP-M) FOR WIRELESS COMMUNICATION WITH THE LOCAL FIRE STATION.
8. CONTRACOR TO INCLUDE "RADIO COMMUNICATIONS TESTING" PORTION OF SCOPE AS REQUIRED BY TEH CITY OF DALLAS.
9. AN ELEVATOR CONTRACTOR TO BE PRESENT WHEN THE FIRE ALARM CONTRACTOR CONNECTS/TERMINATES THE NEW FIRE ALARM WIRING WITH THE ELEVATOR CONTROLLER.
10. AN ELEVATOR CONTRACTOR MUST BE PRESENT DURING THE CITY FIRE ALARM INSPECTION.
11. AS-BUILT FIRE ALARM DRAWINGS TO BE STORED IN THE DOCUMENT BOX NEXT TO THE FACP.
12. FA GREEN TAG AND INSTALLATION STICKER TO BE ATTACHED WITH THE FIRE ALARM PANEL.
13. FIRE ALARM DESIGN/SYSTEM MUST HAVE AN OVERRIDE FOR ANY SOUND SYSTEM IN COMMON AREAS LIKE AUDITORIUM, GYMNASIUM, AND CAFETERIA.
14. DUCT DETECTORS TO BE POWERED FROM FIRE ALARM SYSTEM AND NOT FROM TAC AC UNITS THEY ARE CONNECTED TO.
15. PROVIDE PROTECTIVE COVERS FOR SPEAKERS AND FIRE ALARM DEVICES IN GYMNASIUM.
16. PROVIDE MR-101 C/R 24/120VAC AUDIO RELAY AND 24VDC CABLE TO SHUNT FROM FIRE ALARM SYSTEM TO NOTIFIER AND DISD AUDIO SYSTEM.
17. WHERE REQUIRED PROVIDE DUCT DETECTORS AT MINIMUM OF 10' DOWNSTREAM OF BASE OF ROOF CURB AND BELOW DECKING. IF REPLACING EXISTING DUCT DETECTORS COORDINATE WITH MECHANICAL ON PATCHING APPLICABLE CEILING.
18. MAKE CONNECTIONS BETWEEN THE ANSUL TO THE FIRE ALARM SYSTEM AS REQUIRED BY THE ANSUL MANUFACTURER.
19. SPRINKLER IN ELEVATOR MACHINE ROOM MUST BE REMOVED AND ONLY A SMOKE DETECTOR BEING INSTALLED. REFER TO FIRE PROTECTION PLANS.
20. SPRINKLER AT TOP OF THE ELEVAOTR MUST BE COMPLETELY REMOVED AND ONLY A HEAT DETECTOR TO BE INSTALLED AT THE BOTTOM OF THE ELEVATOR SHAFT WITHIN 18 INCHES OF SPRINKLER HEAD. REFER TO FIRE PROTECTION PLANS.

NOTES BY SYMBOL: "◯"

1. PORTABLE BUILDING: REPLACE EXISTING FIRE ALARM DEVICES AND ADD AS NECESSARY TO MEET APPLICABLE CODES.



KEY PLAN

BAIRD, HAMPTON & BROWN
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mail@bhbinc.com • (817)338-1277 • bhbinc.com
TBPELS Firm #44, #10011300, #10011302, #10194146
BHB PROJECT # 2023.183.000

COMM. NO.	1288
DATE	11/11/2024
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ONE INCH

REVISIONS:

PROJECT STATUS: 100% CONSTRUCTION DOCUMENTS

STATE OF TEXAS
PAUL MORRIS
127521
LICENSED PROFESSIONAL ENGINEER
11/11/2024

LBL ARCHITECTS
Listen. Build. Lead.
1190 N. RANDOL MILL ROAD
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ARLINGTON, TEXAS 76012
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TBAE FIRM # BR 1330

RENOVATION TO DALLAS INDEPENDENT SCHOOL DISTRICT

JAMES BOWIE ELEMENTARY SCHOOL

330 NORTH MARSALIS AVE, DALLAS, TX 75203

OVERALL FIRE ALARM PLAN - LEVEL 1

FA-1.01

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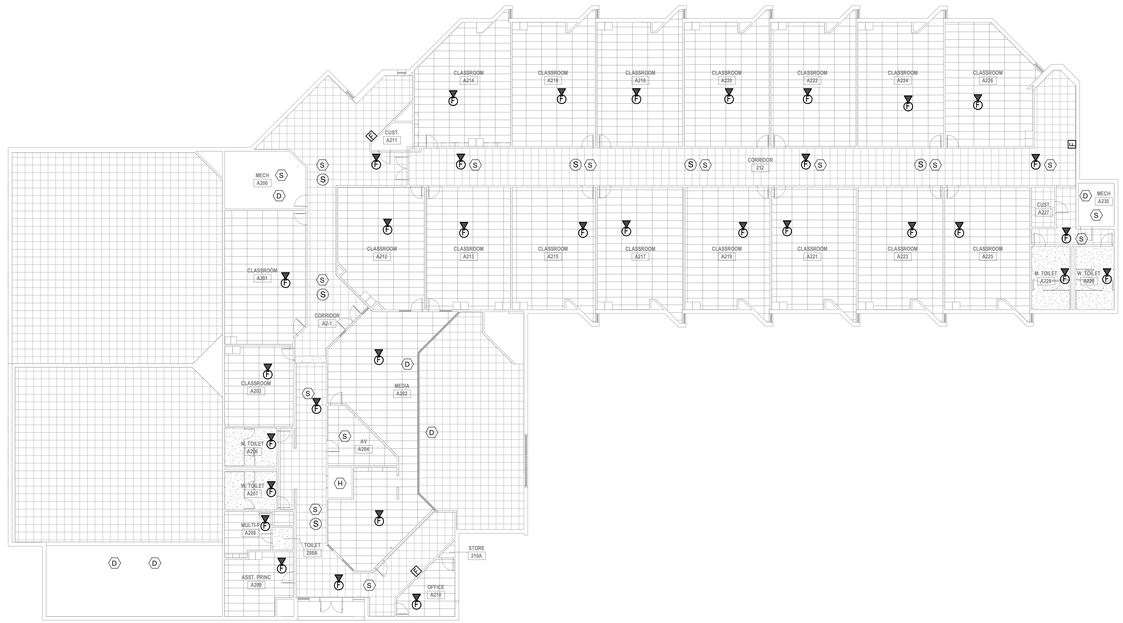
FIRE ALARM DEVICE SYMBOL LIST	
SYMBOL	DESCRIPTION
F	FIRE ALARM PULL STATION
F/S	FIRE ALARM SPEAKER/STROBE UNIT
S	FIRE ALARM SPEAKER
S	CEILING MTD SMOKE DETECTOR
D	DUCT MOUNTED SMOKE DETECTOR
H	CEILING MTD HEAT DETECTOR
TS	FIRE ALARM TAMPER SWITCH
FS	FIRE ALARM FLOW SWITCH



1 OVERALL FIRE ALARM PLAN - LEVEL 2
1/16" = 1'-0"

NORTH

SHEET NOTES:

1. FIRE ALARM SYSTEM FOR THE ENTIRE BUILDING SHALL BE REPLACED. NEW FIRE ALARM SYSTEM SHALL BE AN EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM AND SHALL MEET THE REQUIREMETNS OF THE DALLAS FIRE CODE AND DALLAS BUILDING CODE.
2. SPEAKER AND STROBE FIRE ALARM DEVICES SHALL BE PROVIDED THROUGHOUT THE BUILDING.
3. IF THE EXISTING FIRE ALARM SYSTEM IS TO BE TAKEN DOWN AT ALL PRIOR TO THE NEW SYSTEM BEING OPERATIONAL, A FIRE WATCH SHALL BE PROVIDED.
4. FIRE ALARM MAIN CONTROL PANEL TO BE INSTALLED IN THE MAIN OFFICE.
5. FIRE ALARM ANNUNCIATOR PANEL TO BE INSTALLED IN SECURED VESTIBULE.
6. CONTRACTOR TO REMOVE, SECURE, AND PROPERLY BOX ALL EXISTING FIRE ALARM DEVICES (INCLUDING BUT NOT LIMITED TO STROBES, PULL STATIONS, DETECTORS, ETC.) FOR DISD PICKUP.
7. FIRE ALARM CONTRACTOR TO PROVIDE AES DEVICE (AES 7707P-88-ULP-M) FOR WIRELESS COMMUNICATION WITH THE LOCAL FIRE STATION.
8. CONTRACOR TO INCLUDE "RADIO COMMUNICATIONS TESTING" PORTION OF SCOPE AS REQUIRED BY TEH CITY OF DALLAS.
9. AN ELEVATOR CONTRACTOR TO BE PRESENT WHEN THE FIRE ALARM CONTRACTOR CONNECTS/TERMINATES THE NEW FIRE ALARM WIRING WITH THE ELEVATOR CONTROLLER.
10. AN ELEVATOR CONTRACTOR MUST BE PRESENT DURING THE CITY FIRE ALARM INSPECTION.
11. AS-BUILT FIRE ALARM DRAWINGS TO BE STORED IN THE DOCUMENT BOX NEXT TO THE FACP.
12. FA GREEN TAG AND INSTALLATION STICKER TO BE ATTACHED WITH THE FIRE ALARM PANEL.
13. FIRE ALARM DESIGN/SYSTEM MUST HAVE AN OVERRIDE FOR ANY SOUND SYSTEM IN COMMON AREAS LIKE AUDITORIUM, GYMNASIUM, AND CAFETERIA.
14. DUCT DETECTORS TO BE POWERED FROM FIRE ALARM SYSTEM AND NOT FROM THE AC UNITS THEY ARE CONNECTED TO.
15. PROVIDE PROTECTIVE COVERS FOR SPEAKERS AND FIRE ALARM DEVICES IN GYMNASIUM.
16. PROVIDE MR-101 C/R 24/120VAC AUDIO RELAY AND 24VDC CABLE TO SHUNT FROM FIRE ALARM SYSTEM TO NOTIFIER AND DISD AUDIO SYSTEM.
17. WHERE REQUIRED PROVIDE DUCT DETECTORS AT MINIMUM OF 10' DOWNSTREAM OF BASE OF ROOF CURB AND BELOW DECKING. IF REPLACING EXISTING DUCT DETECTORS COORDINATE WITH MECHANICAL ON PATCHING APPLICABLE CEILING.
18. MAKE CONNECTIONS BETWEEN THE ANSUL TO THE FIRE ALARM SYSTEM AS REQUIRED BY THE ANSUL MANUFACTURER.
19. SPRINKLER IN ELEVATOR MACHINE ROOM MUST BE REMOVED AND ONLY A SMOKE DETECTOR BEING INSTALLED. REFER TO FIRE PROTECTION PLANS.
20. SPRINKLER AT TOP OF THE ELEVAOTR MUST BE COMPLETELY REMOVED AND ONLY A HEAT DETECTOR TO BE INSTALLED AT THE BOTTOM OF THE ELEVATOR SHAFT WITHIN 18 INCHES OF SPRINKLER HEAD. REFER TO FIRE PROTECTION PLANS.

KEY PLAN

BAIRD, HAMPTON & BROWN
building partners

6300 Ridglea Pl., Ste. 700 Fort Worth, TX 76116
mail@bhbinc.com • (817)338-1277 • bhbinc.com
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OVERALL FIRE ALARM PLAN - LEVEL 2

FA-1.02

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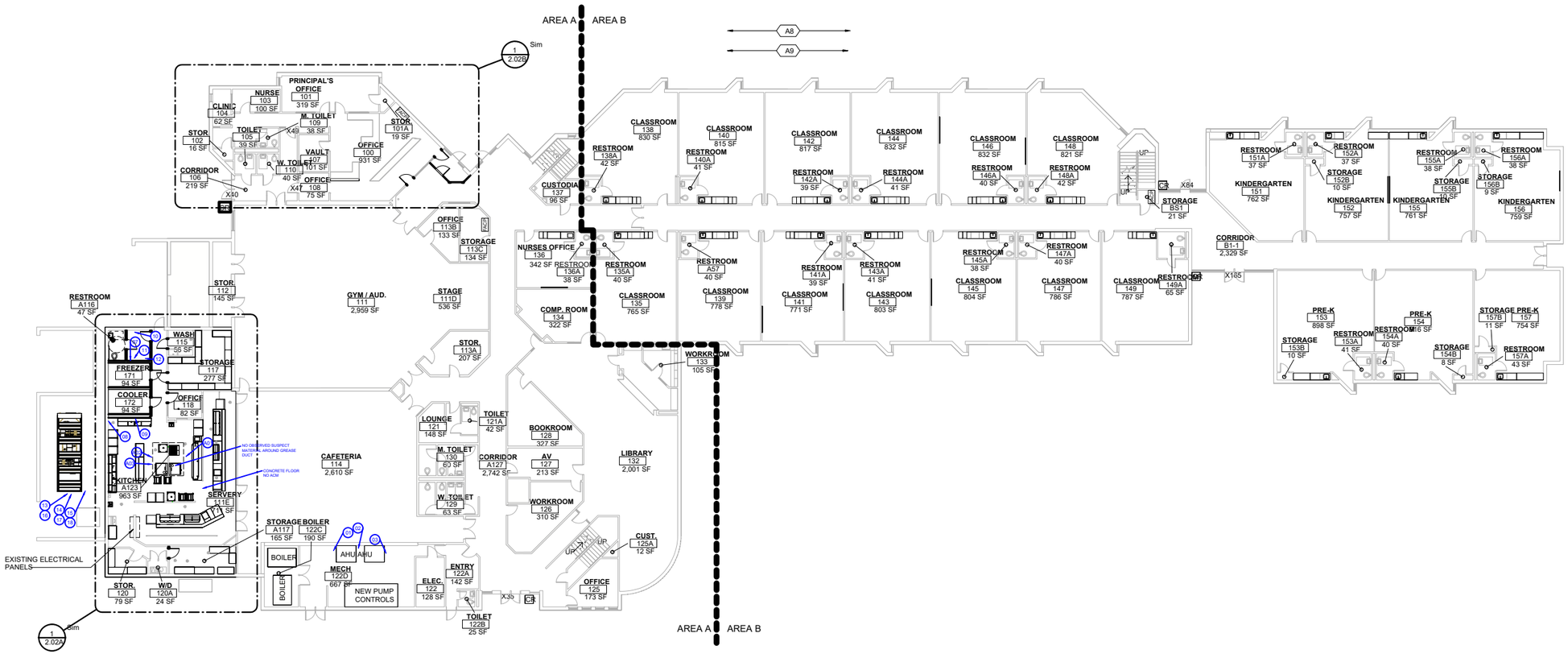

1 OVERALL FLOOR PLAN FIRST FLOOR
1/16" = 1'-0"

NORTH

General Notes

LEGEND:
RED = ACM SAMPLE LOCATIONS
BLUE = ND SAMPLE LOCATIONS

No.	Revision/Issue	Date

Firm Name and Address

ABACUS ENVIRONMENT INC.
5480 LA SIERRA DR.
DALLAS, TX

Project Name and Address

JAMES BOWIE
ELEMENTARY SCHOOL
3303 N. MARSALIS AVE
DALLAS, TX 75203

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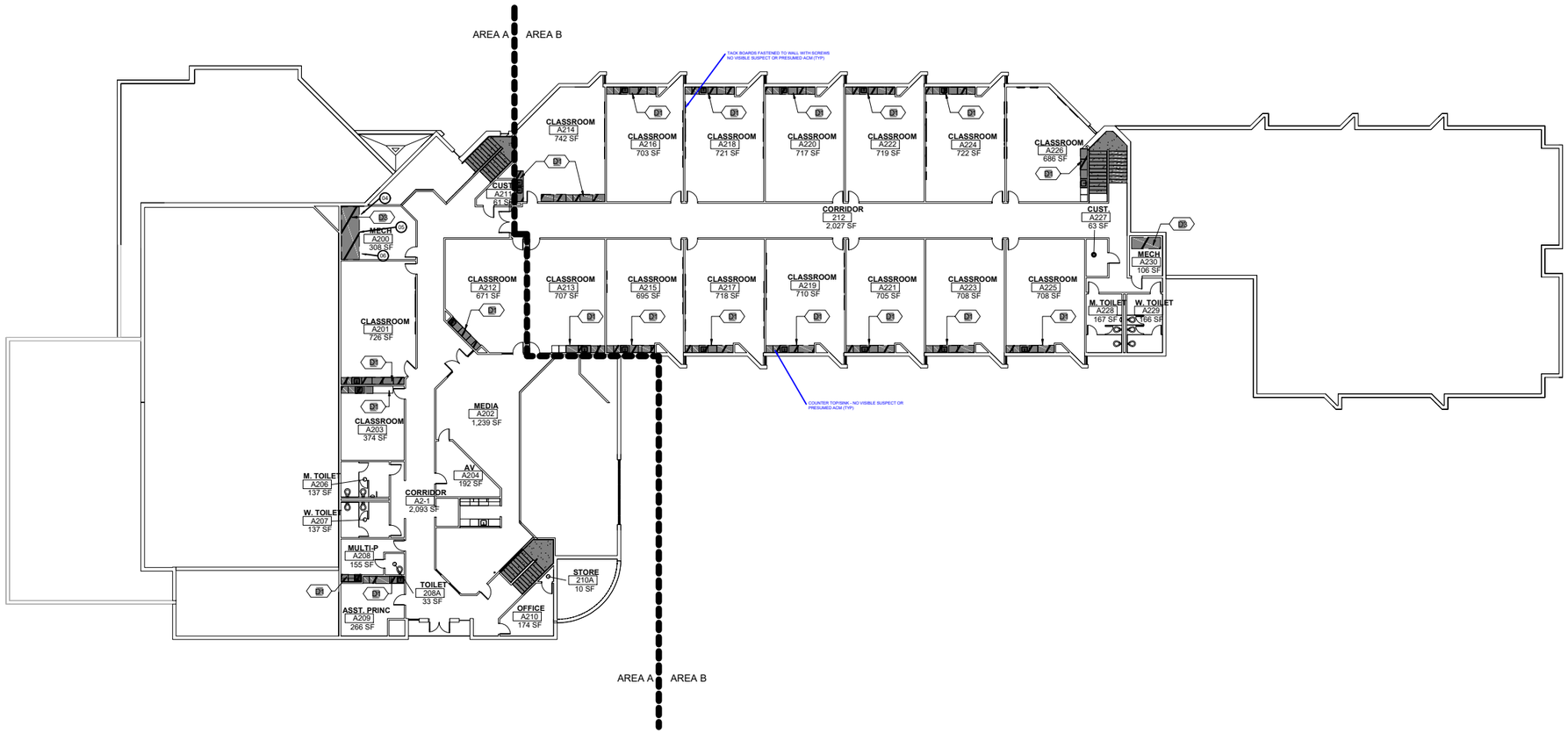

1 DEMOLITION FLOOR PLAN - LEVEL 02

1/16" = 1'-0"

NORTH

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DALLAS, TX 75203

Project	Sheet
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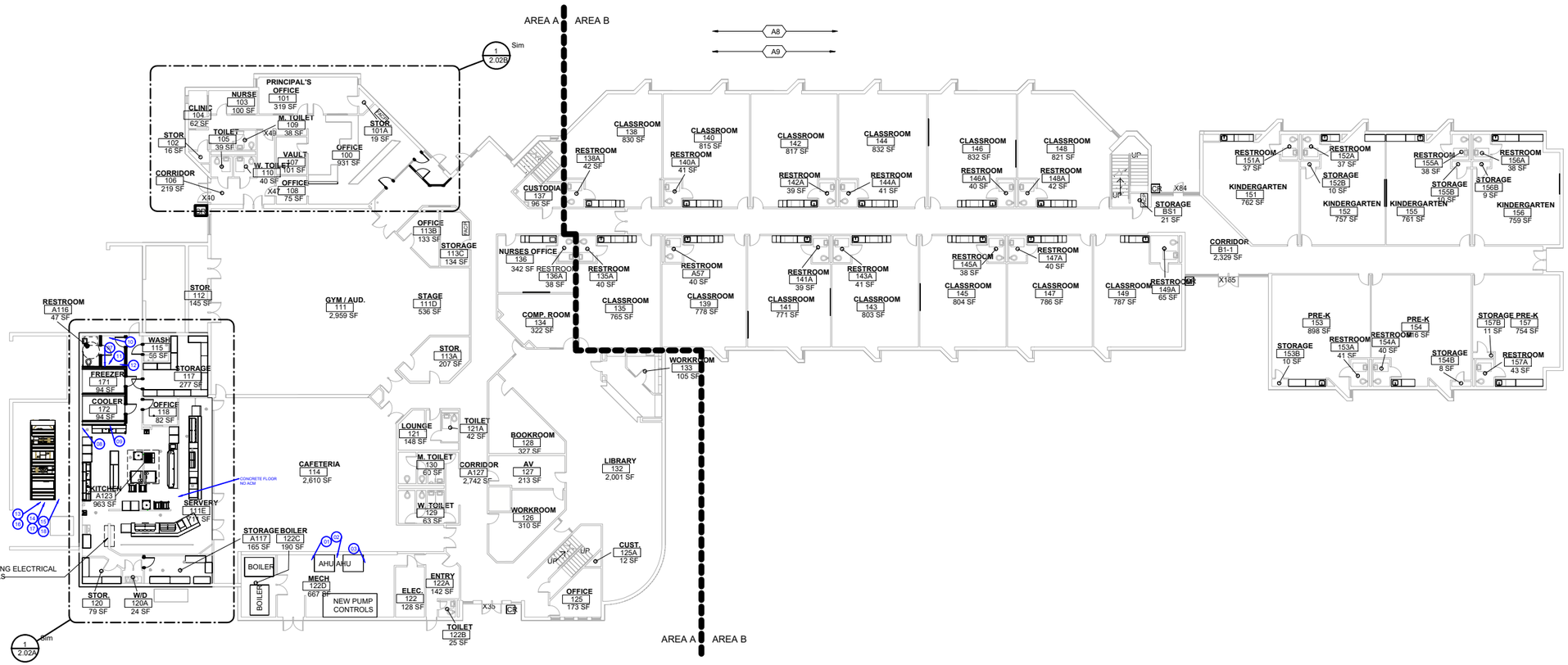

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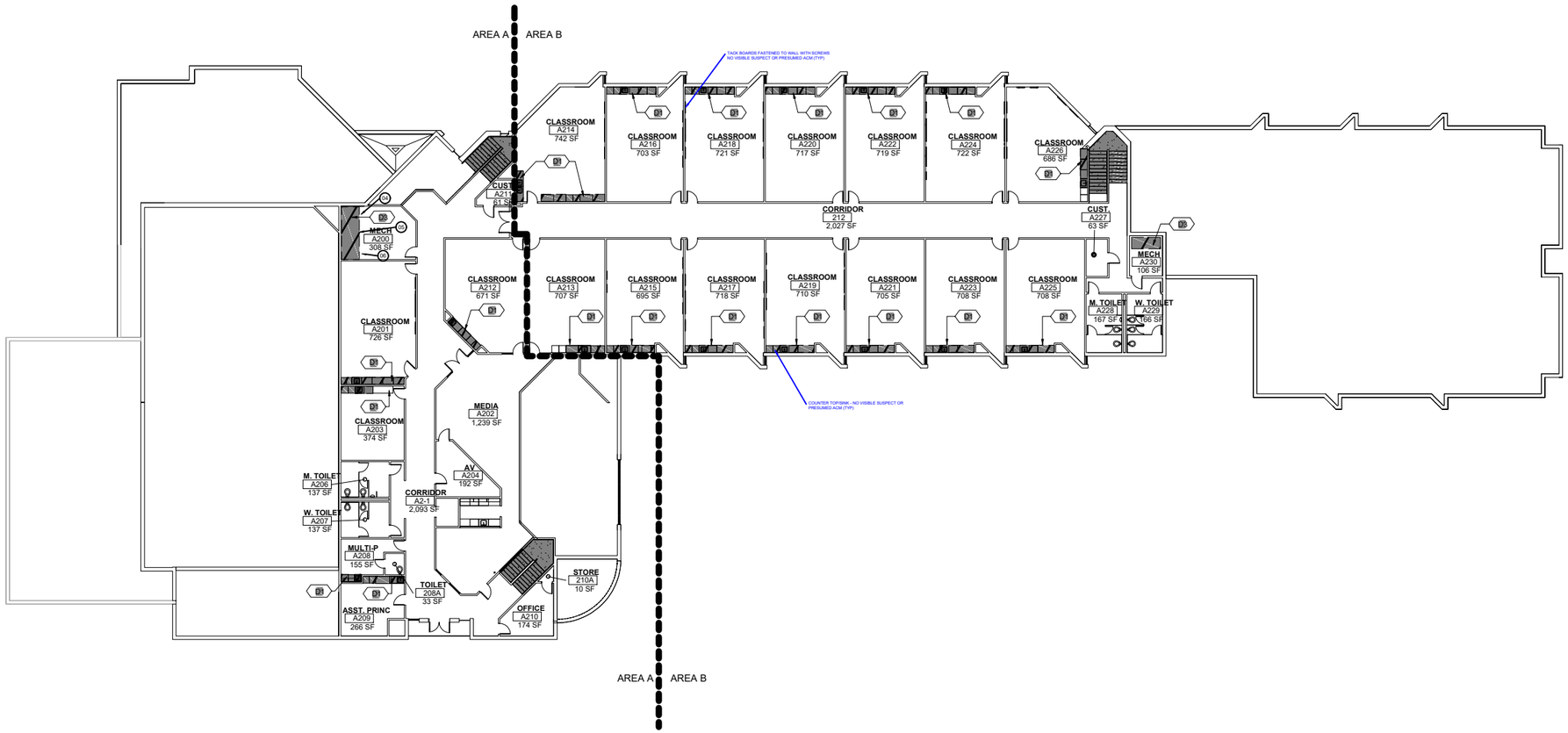
Project ACM SAMPLE LOCATIONS

Date 09/03/2024

Scale

Sheet ACM1



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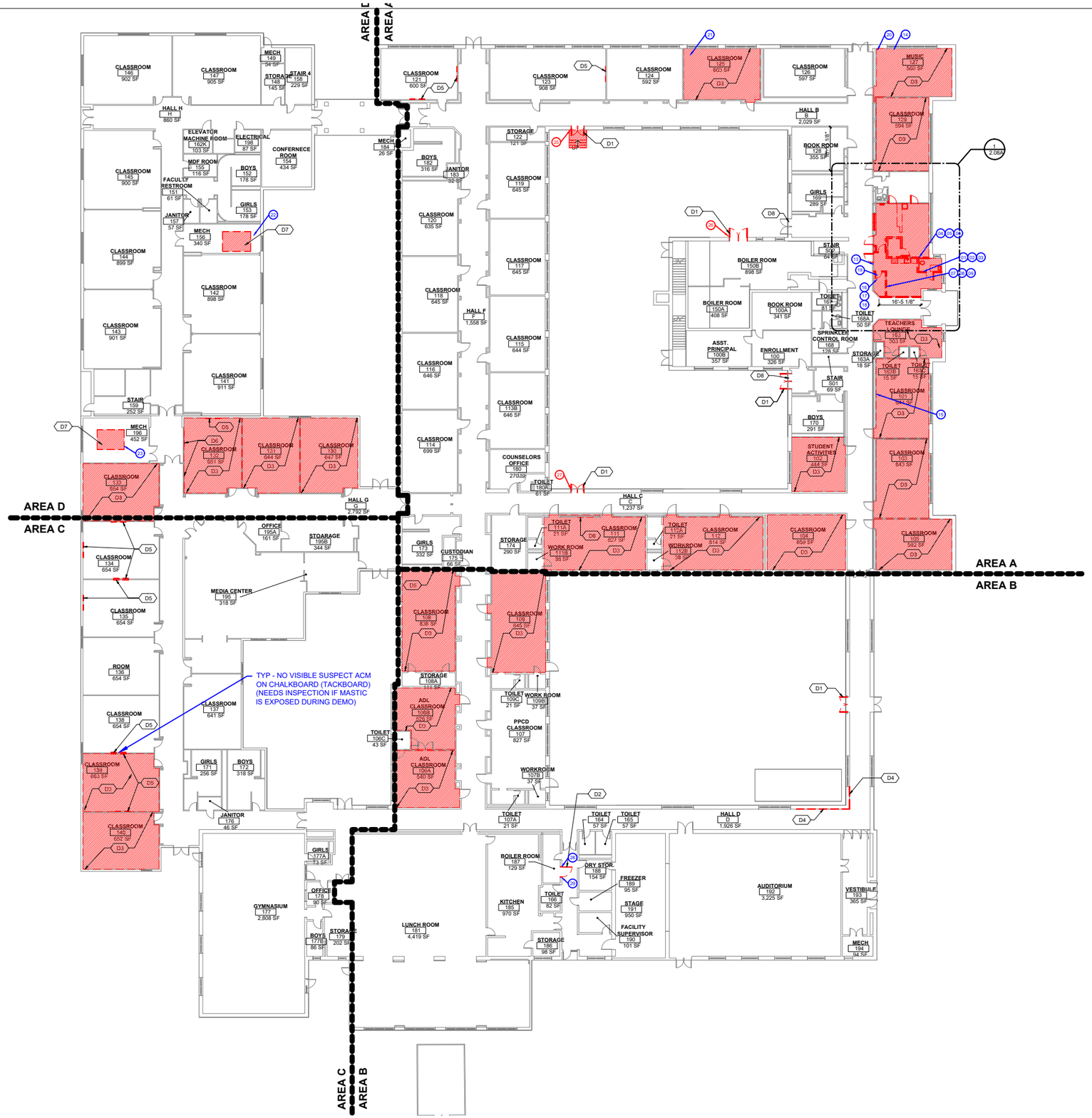

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