

100% BID SUBMITTAL 20 January 2023

SHERIFF'S OFFICE RECRUITMENT ACADEMY RESTROOM REMODEL

TARRANT COUNTY RESOURCE CENTER

1500 CIRCLE DR., SUITE 200
FORT WORTH, TEXAS 76119

TIM O'HARE
COUNTY JUDGE

ROY C. BROOKS
COMMISSIONER, PRECINCT 2

ALISA SIMMONS
COMMISSIONER, PRECINCT 2

GARY FICKES
COMMISSIONER, PRECINCT 3

MANNY RAMIREZ
COMMISSIONER, PRECINCT 4

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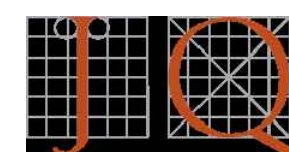
ARCHITECTURE

STRUCTURAL

MECH / ELEC / PLBG



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Fort Worth, Texas 76102
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TX ARCH. REG. # 24293
EXP: 09/30/2023
ANDREA KIMES
ISSUE: 01/29/2023
Andrea Kimes


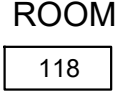



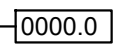
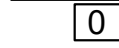
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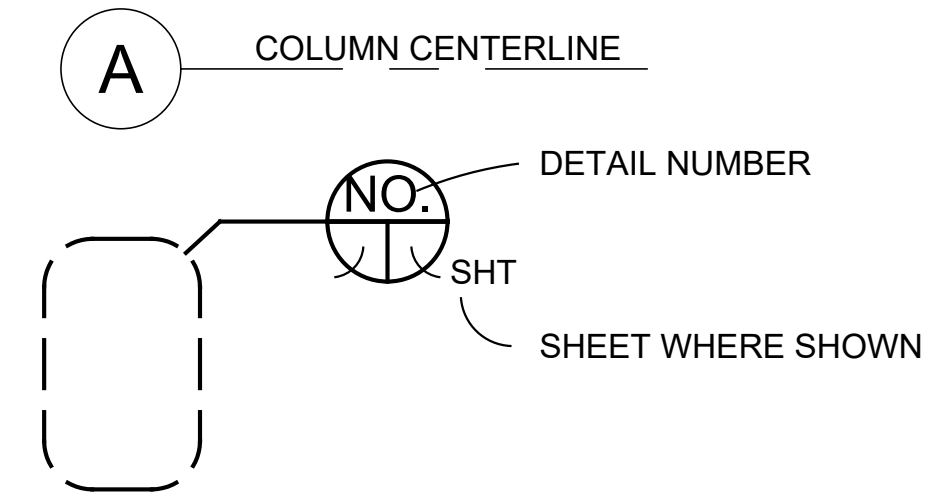
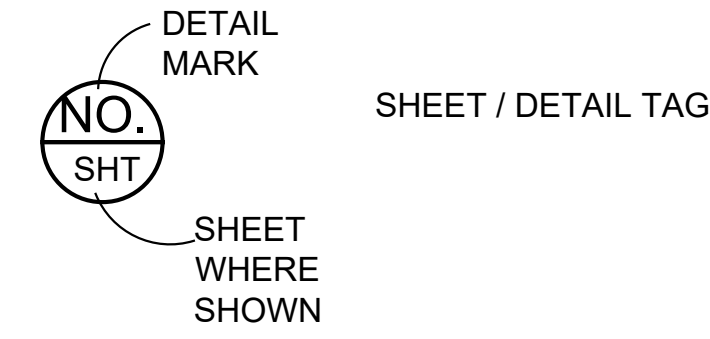
COVER SHEET

SHEET SIZE 22x34 ANSI D
SCALE: N.T.S.
KAI JOB NUMBER: 2017.501
DATE: 01/20/2023

G0.01

SYMBOLS LEGEND

-  DOOR NUMBER
-  ROOM NAME AND NUMBER
-  NOTES BY SYMBOL
-  TOILET FIXTURE AND ACCESSORY LEGEND
-  INTERIOR FINISH DESIGNATION
-  FINISHED ELEVATION
-  WALL TYPE REF. SHEET A1.04



NOTE: NOT ALL SYMBOLS SHOWN APPEAR IN THESE DRAWINGS

GENERAL NOTES

- A. THIS FACILITY WILL REMAIN OPEN AND OCCUPIED FOR THE DURATION OF THE CONSTRUCTION PROJECT. THE CONTRACTOR MUST PROVIDE BARRIERS AS REQUIRED TO PROTECT THE PUBLIC FROM CONSTRUCTION OPERATIONS AND DEBRIS SHALL NOT OBSTRUCT THE DAY TO DAY FUNCTIONS OF THIS FACILITY.
- B. THE PATHS OF EGRESS TRAVEL MUST REMAIN UNOBSTRUCTED AT ALL TIMES.
- C. CONTRACTOR IS TO PROVIDE PORTABLE FIRE EXTINGUISHERS FOR THE DURATION OF THE PROJECT AS DIRECTED BY THE CITY OF FORT WORTH.
- D. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY INTERIOR FINISHES THAT ARE DAMAGED BY CONSTRUCTION ACTIVITIES. REPAIRED NEW FINISHES SHALL MATCH EXISTING MATERIAL, COLOR AND TEXTURE.
- E. BUILDING AREAS ARE TO BE MAINTAINED, CLEANED AND FREE OF ACCUMULATED DIRT AND DEBRIS.
- F. PROVIDE BLOCKING IN ALL WALLS REQUIRED IN ORDER TO SECURE ALL EQUIPMENT, ACCESSORIES, CASEWORK, ETC.
- G. THESE DRAWINGS ILLUSTRATE THE GENERAL CONDITIONS OF THE EXISTING BUILDING. THE CONTRACTOR SHALL FIELD VERIFY ALL LOCATIONS, ASSEMBLY TYPES AND DIMENSIONS OF EXISTING BUILDING ELEMENTS PRIOR TO BEGINNING WORK. ANY CONFLICT OR DISCREPANCIES ARE TO BE REPORTED TO THE ARCHITECT IMMEDIATELY, IN WRITING.

CODE INFORMATION

APPLICABLE CODES

2021	INTERNATIONAL BUILDING CODE (IBC)
2021	INTERNATIONAL EXISTING BUILDING CODE
2021	INTERNATIONAL MECHANICAL CODE
2021	INTERNATIONAL PLUMBING CODE
2021	INTERNATIONAL FIRE CODE
2015	INTERNATIONAL ENERGY CONSERVATION CODE (IECC)
2020	NATIONAL ELECTRICAL CODE (NEC)
2021	TAS (ACCESSIBILITY) TABS

Per IEBC 2021: Sections 301.3 Alterations, additions or changes to occupancy, IEBC 2021: 301.3.1: Prescriptive compliance method, IEBC 2021: 503.1: General: Alterations shall comply with IBC 2021 for new construction. The IEBC limits improvements to the area of work. The original design of the building was designed to meet code at the time of permitting and anything added is not required to address deficiencies of the original design. The area of work meets current accessibility and IBC requirements in the area of work only.

BUILDING AREA / OCC. LOAD

EXISTING BUILDING	41,713 S.F.
RENOVATION AREA	2,318 S.F.

OCCUPANCY LOAD
REFER TO SHEET G0.03

955 TOTAL OCCUPANTS	
REQUIRED EXITING	REFER TO SHEET G0.03

HEIGHT
OCCUPANCY

NA
B (BUSINESS)

CONSTRUCTION TYPE

II-B

FIRE SPRINKLER

NA

FIRE ALARM

WILL BE INSTALLED AS PART OF THIS PROJECT - REFER TO ELECTRICAL DRAWINGS AND 2021 NFPA 101.

PARKING: STANDARDS

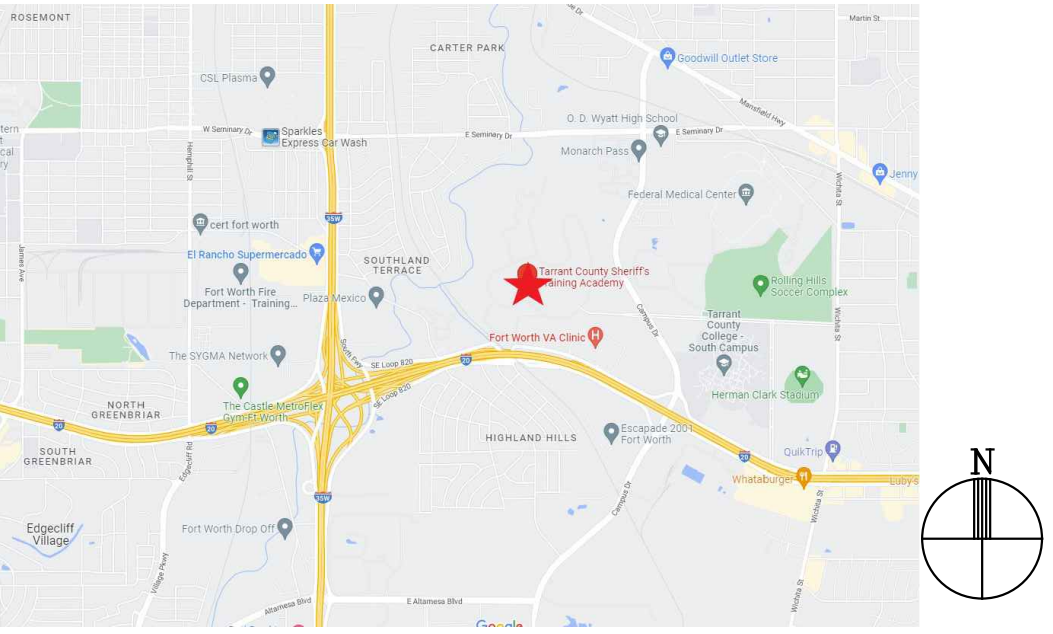
PER FORT WORTH ZONING 6.202 PARKING DESIGN

OFFICE: 2.5 SPACES PER 1000 SF OF GROSS FLOOR AREA
2.5 X 41.7 = 104.25 ~ 105 REQUIRED: 437 SPACES PROVIDED
101-150 PARKING REQUIRED: REQUIRES 5 ACCESSIBLE
PROVIDED: 6 ACCESSIBLE SPACES

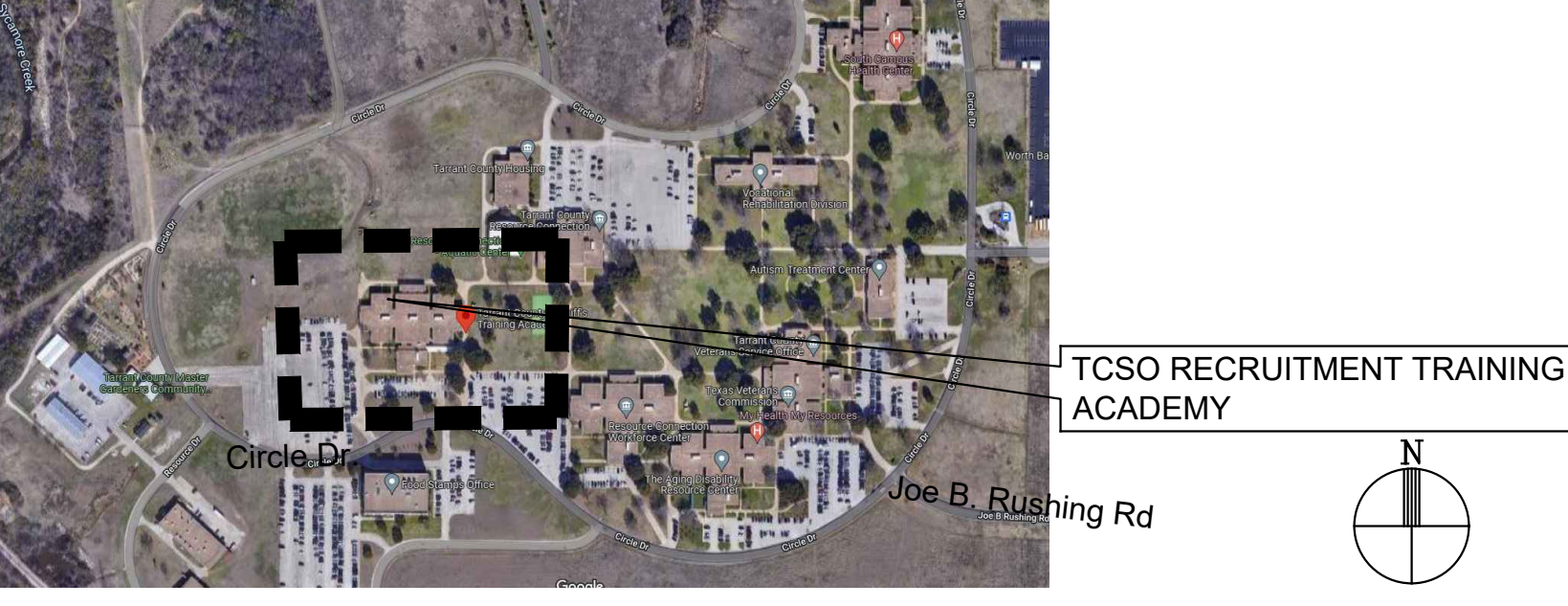
T.D.L.R. REGISTRATION

TABS 2002026815
FOR ADDITIONAL LIFE SAFETY INFORMATION AND CODE REQUIREMENTS REFER TO MEP DRAWINGS AND SPECIFICATIONS

LOCATION MAP



VICINITY MAP



NO.	DATE	DESCRIPTION	BY	APPROVED

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TX ARCH. REG. # 24293
EXP: 09/30/2023
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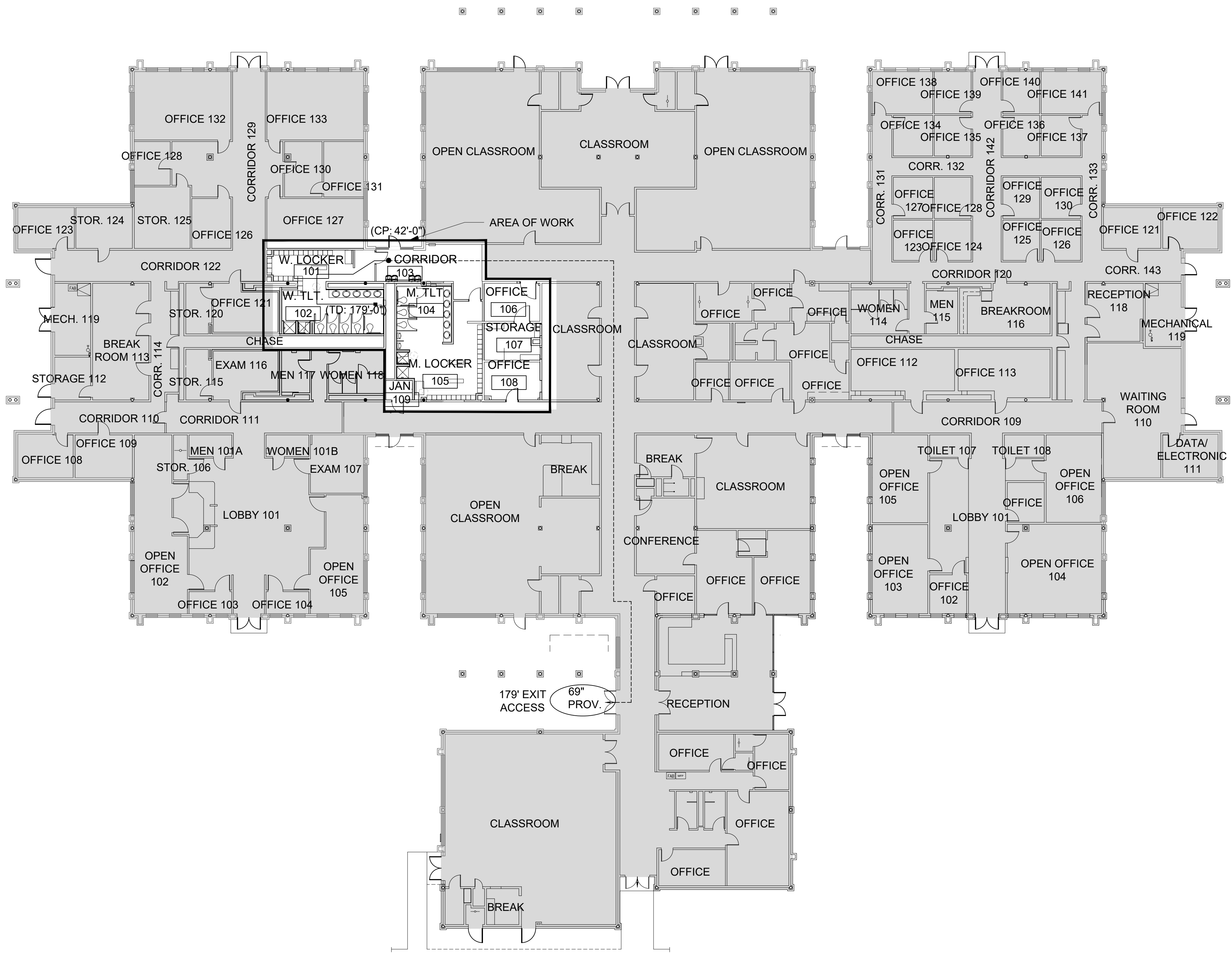
SHERIFFS OFFICE RECRUITMENT ACADEMY RESTROOM REMODEL
TARRANT COUNTY RESOURCE CENTER

1500 CIRCLE DR., SUITE 200 FORT WORTH, TEXAS 76119

PROJECT INFORMATION

SHEET SIZE	22X34 ANSI D
SCALE:	N.T.S.
KAI JOB NUMBER:	2017.501
DATE:	01/20/2023

G0.02



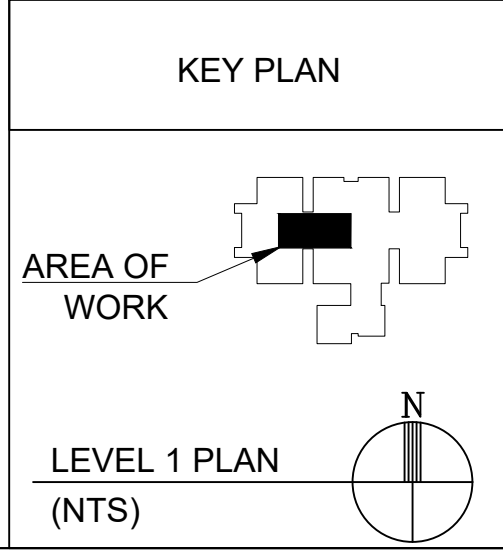
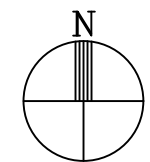
LIFE SAFETY LEGEND

PATH OF EXIT TRAVEL WITH DISTANCES FROM SELECTED REMOTE LOCATIONS TO NEAREST EXIT. INCLUDED TOTAL TRAVEL DISTANCE (TD) AND COMMON PATH OF TRAVEL (CP).

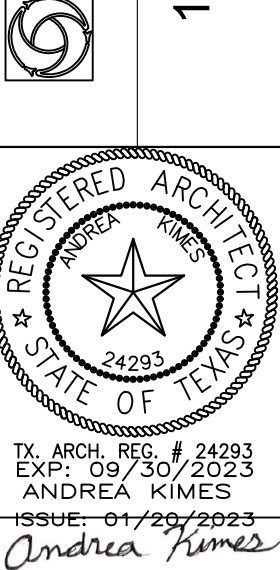
- INDICATES A POINT OF EXIT
- INDICATES START OF COMMON PATH OF TRAVEL DISTANCE AND OVERALL TRAVEL DISTANCE
- INDICATES END OF COMMON PATH OF TRAVEL
- INDICATES END OF TRAVEL DISTANCE AT A POINT OF EXIT
- INDICATES OVERALL PATH OF EGRESS

RMNAM ROOM NAME / NUMBER TAG
 DRNO
 (69" PROV.) EXIT INCHES PROVIDED TAG

1 EXITING PLAN
 G0.03 SCALE: 1/16" = 1'-0"



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SHEET SIZE: 22X34 ANSI D
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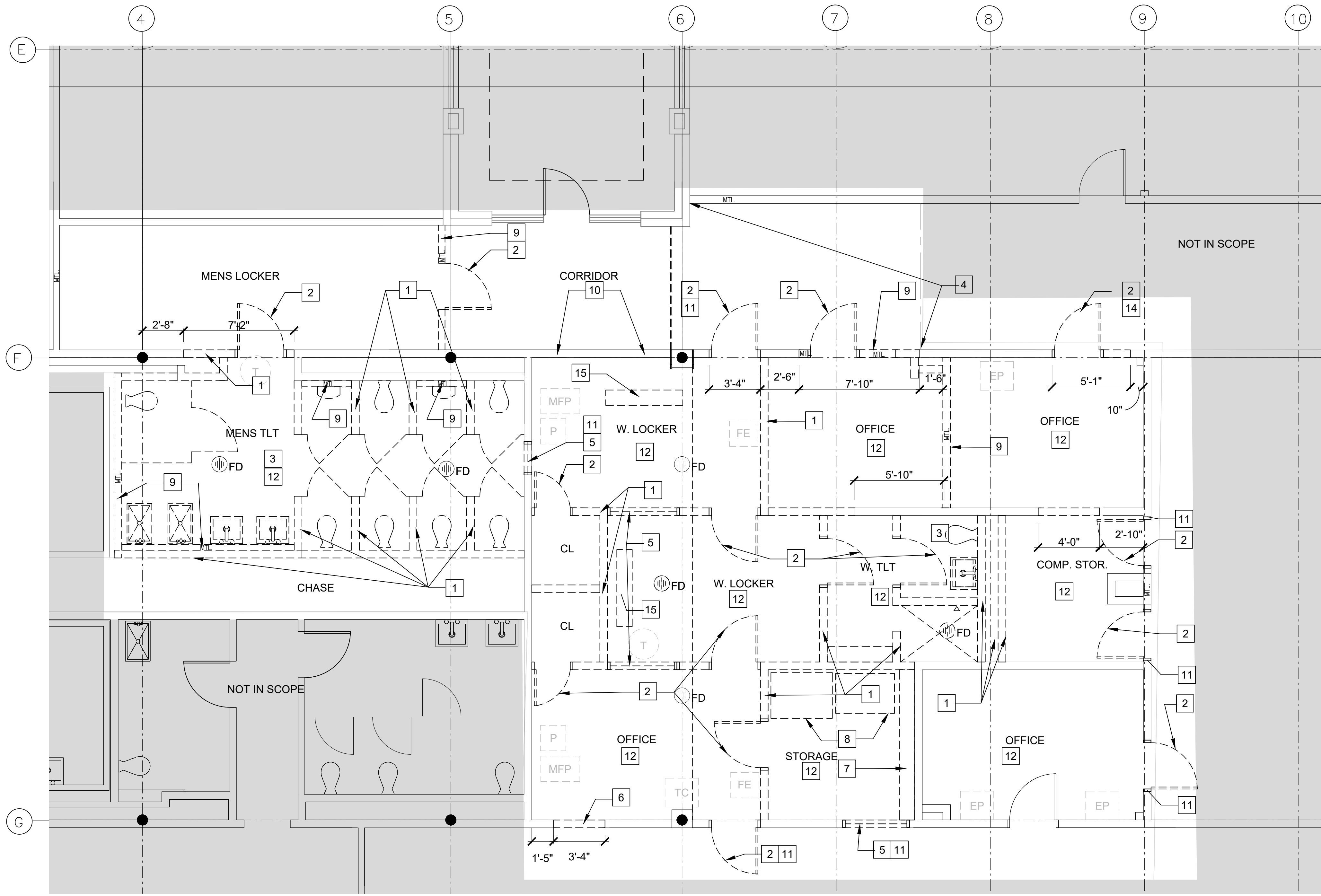
G0.03

NO.	DATE	APPROVED

NO.	DESCRIPTION

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EXITING PLAN



GENERAL NOTES

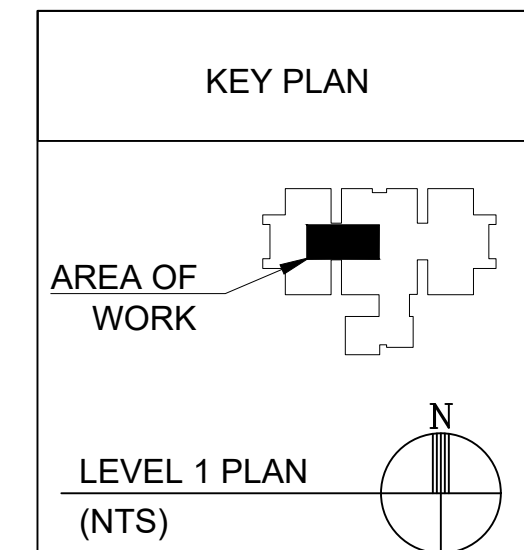
- A. NOTES BY SYMBOL SHEET SPECIFIC
- B. LEAVE EXISTING FLOOR FINISHES, AND BASE QUARRY TILE. UNLESS OTHERWISE NOTED.
- C. THESE DRAWINGS ILLUSTRATE THE GENERAL CONDITIONS OF THE EXISTING BUILDING. THE CONTRACTOR MUST FIELD VERIFY THE LOCATIONS OF PARTITIONS, TYPES AND DIMENSIONS OF EXISTING CONSTRUCTION PRIOR TO BEGINNING WORK
- D. EXERCISE CAUTION TO PREVENT DAMAGE AS A RESULT OF DEMOLITION. IF DAMAGE OCCURS AS A RESULT OF DEMOLITION, CONTRACTOR TO REPAIR TO MATCH ADJACENT QUALITY AND FINISH.
- E. CONFIRM WITH OWNER ALL ITEMS TO BE SALVAGED.
- J. FOR DEMOLITION OF EXISTING CMU WALLS FOR INSTALLATION OF NEW DOORS, DOOR FRAME SHOULD COURSE. VERIFY IN FIELD, BRING ANY CONCERNS TO ATTENTION OF ARCHITECT.
- K. PLUMBING CONTRACTOR MUST CAP ALL UNUSED SANITARY BRANCH LINES NEAR MAIN WITHIN 2'-0" WHERE POSSIBLE.

NOTES BY SYMBOL '0'

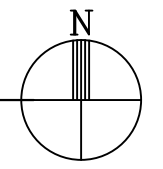
- 1. REMOVE EXISTING CMU WALL TO FULL HEIGHT AND ALL APPURTENANCES. PATCH AND REPAIR WALLS TO BE FREE OF DEFECTS AND PREPARE WALLS TO RECEIVE NEW FINISHES. PATCH AND REPAIR EXISTING FLOOR SLAB TO BE FREE OF DEFECTS AND PREPARE TO RECEIVE NEW SCHEDULED FINISHES.
- 2. REMOVE EXISTING WOOD DOOR, METAL DOOR FRAME, AND HARDWARE. SALVAGE DOOR AND FRAME FOR REINSTALLATION. RETURN HARDWARE TO OWNER FOR ATTIC STOCK.
- 3. DEMOLISH EXISTING PLUMBING FIXTURES AND ALL PIPING, REFER TO MEP.
- 4. REMOVE WALL COVERING CORRIDOR BASE WEST OF POINT SHOWN. PRESERVE WALL COVERING AND BASE ON ADJACENT WALLS.
- 5. REMOVE EXISTING WINDOW AND FRAME IN ITS ENTIRETY. SALVAGE WINDOW TO OWNER FOR ATTIC STOCK.
- 6. REMOVE PORTION OF CMU WALL AND PREPARE FOR NEW DOOR AND CMU BOND BEAM ABOVE TO SUPPORT WEIGHT OF CMU WALL. VERIFY CMU COURSING IN FIELD.
- 7. REMOVE EXISTING SHELVES AND SALVAGE TO OWNER.
- 8. REMOVE AND RELOCATE SAFES FOR REUSE IN NEW DESIGN. REINSTALL BY OTHERS.
- 9. REMOVE EXISTING METAL STUD WALL AND ALL APPURTENANCES. PATCH AND REPAIR AS NEEDED. PATCH AND REPAIR EXISTING FLOOR SLAB TO BE FREE OF DEFECTS AND PREPARE TO RECEIVE NEW SCHEDULED FINISHES.
- 10. PARTIALLY REMOVE EXISTING CMU WALL FOR INSTALLATION OF NEW WATER COOLERS. REFER TO MANUFACTURER INSTALLATION INSTRUCTION.
- 11. PATCH AND REPAIR EXISTING WALLS TO BE FREE OF DEFECTS AND PREPARE WALLS TO RECEIVE NEW INFILL CONSTRUCTION TO MATCH ADJACENT AND SCHEDULED FINISHES.
- 12. REMOVE EXISTING BASE AND PREP TO RECEIVE NEW SCHEDULED BASE FINISH.
- 13. PARTIALLY REMOVE EXISTING CMU WALL FOR NEW PAPER TOWEL DISPENSER, ACCORDING TO MANUFACTURER INSTRUCTION.
- 14. REMOVE 1 ROW OF CMU DIRECTLY ABOVE NEW DOOR LOCATION, REFER TO CONSTRUCTION PLAN. PREPARE FOR NEW CMU BOND BEAM TO EXTEND 8" BEYOND NEW DOOR ON EITHER SIDE TO SUPPORT WEIGHT OF CMU WALL ABOVE.
- 15. REMOVE FLOOR MOUNTED BENCH. PATCH AND REPAIR FLOOR AS NEEDED.

LEGEND

- EXISTING WALL TO REMAIN
- - - EXISTING WALL TO BE DEMOLISHED
- |— EXISTING DOOR TO REMAIN
- |— EXISTING WALL TO BE DEMOLISHED
- P PULL STATION TO BE DEMOLISHED
- MFP MAIN FIRE PANEL TO BE DEMOLISHED
- TC TIME CLOCK TO BE DEMOLISHED
- FE FIRE EXTINGUISHER TO BE DEMOLISHED
- EP ELECTRICAL PANEL TO BE DEMOLISHED



1 DEMOLITION FLOOR PLAN
D1.01 SCALE: 1/4" = 1'-0"



SYMBOL	DESCRIPTION	DATE	APPROVED

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ISSUE: 01/20/2023
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DEMOLITION FLOOR PLAN

SHEET SIZE: 22X34 ANSI D
SCALE: 1/4"
KAI JOB NUMBER: 2017.501
DATE: 01/20/2023

D1.01

XREFS

GENERAL NOTES

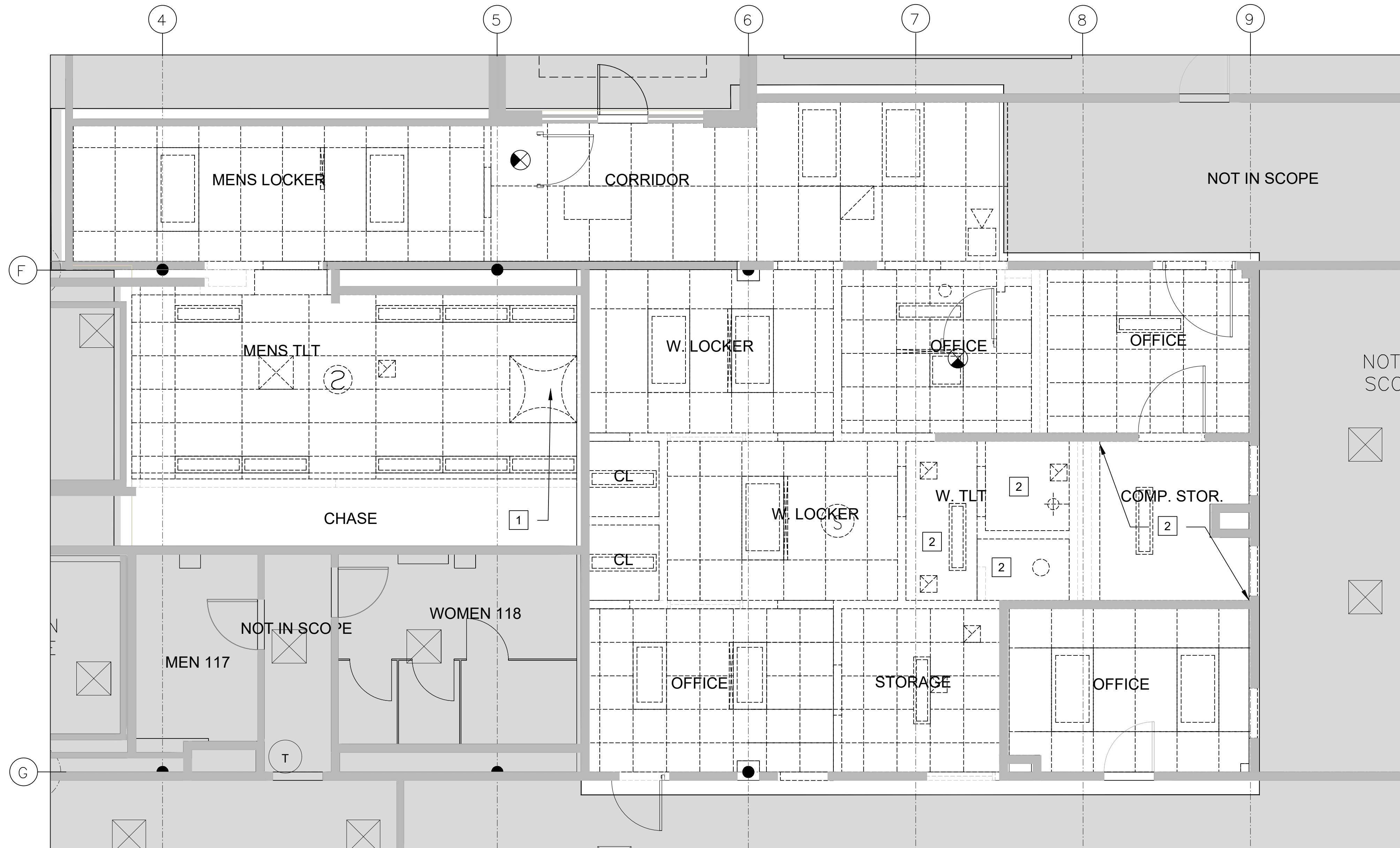
- A. NOTES BY SYMBOL SHEET SPECIFIC
- B. DEMOLISH CEILING FINISHES (CEILING TILE, GRID, HARD CEILING) THROUGHOUT AREA OF WORK UNLESS OTHERWISE NOTED
- C. THESE DRAWINGS ILLUSTRATE THE GENERAL CONDITIONS OF THE EXISTING BUILDING. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF PARTITIONS, TYPES AND DIMENSIONS OF EXISTING CONSTRUCTION PRIOR TO BEGINNING WORK
- D. EXERCISE CAUTION TO PREVENT DAMAGE AS A RESULT OF DEMOLITION. IF DAMAGE OCCURS AS A RESULT OF DEMOLITION, CONTRACTOR TO REPAIR TO A LIKE NEW CONDITION
- E. CONFIRM WITH OWNER ALL ITEMS TO BE SALVAGED

NOTES BY SYMBOL

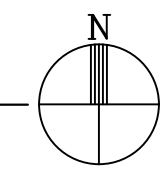
- 1. REMOVE EXISTING SKYLIGHT, METAL ROOF CURB CAP TO BE INSTALLED.
- 2. REMOVE EXISTING GYP. BD. CEILING FOR NEW SCHEDULED CEILING.

LEGEND

- EXISTING WALL TO BE DEMOLISHED
- EXISTING WALL TO REMAIN
- EXISTING 2X4 LIGHT TO BE DEMOLISHED
- EXISTING 1X4 LIGHT TO BE DEMOLISHED
- EXISTING HVAC 1 X 1 EXHAUST DUCT TO BE DEMOLISHED
- EXISTING HVAC 2 X 2 EXHAUST DUCT TO BE DEMOLISHED
- EXISTING HVAC 2 X 2 RETURN DUCT TO BE DEMOLISHED
- EXISTING 4' X 4' SKYLIGHT TO BE DEMOLISHED
- EXISTING HVAC 2 X 2 EXHAUST DUCT TO LEAVE AS IS
- SMOKE DETECTOR TO BE DEMOLISHED
- SPEAKERS TO BE DEMOLISHED
- WALL MOUNTED LIGHT TO BE DEMOLISHED
- CLG. MOUNTED DUCT TO BE DEMOLISHED



1 DEMOLISHED REFLECTED CEILING PLAN
 D1.02 SCALE: 1/4" = 1'-0"



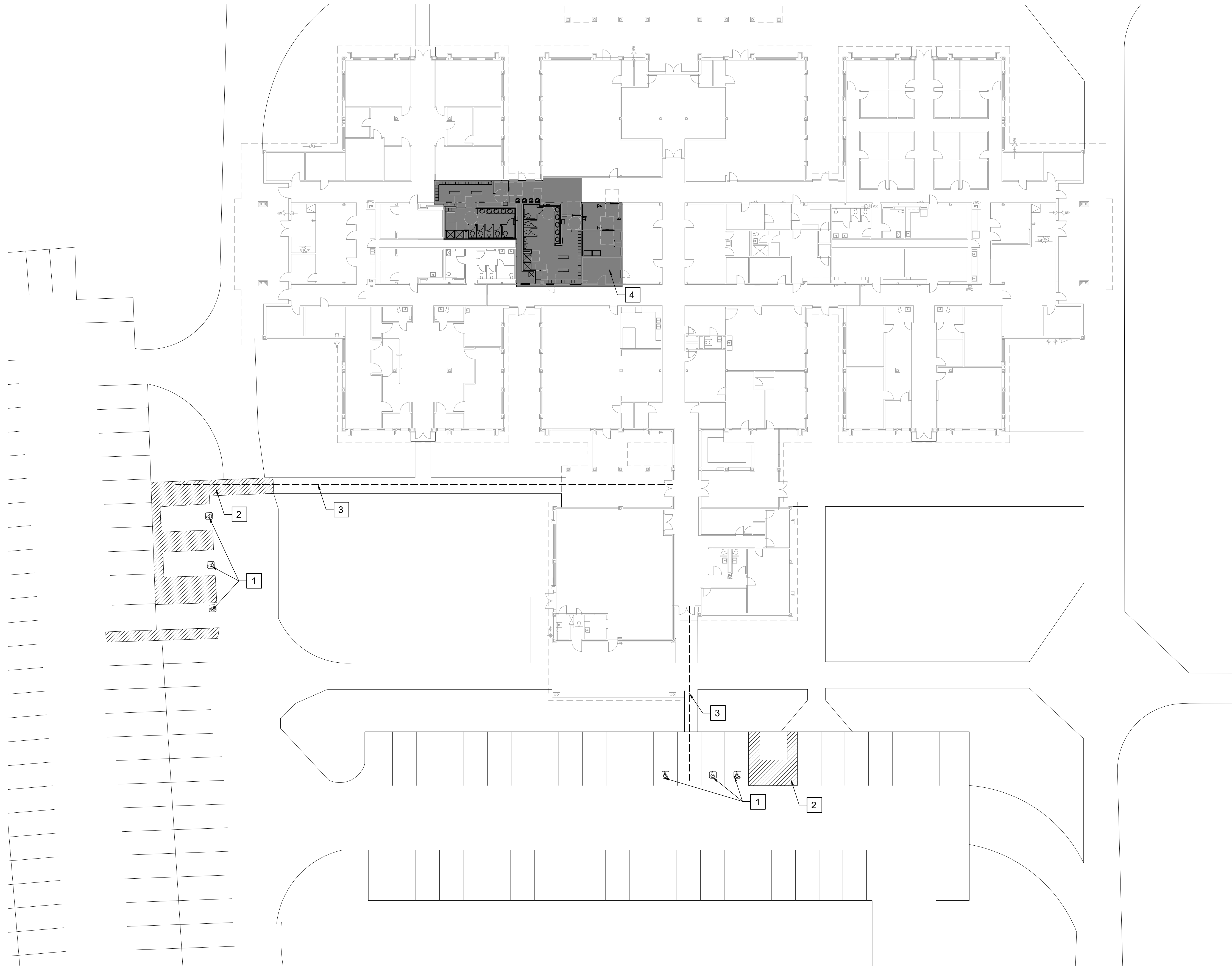
KEY PLAN

AREA OF WORK

LEVEL 1 PLAN
(NTS)

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SHERIFFS OFFICE RECRUITMENT ACADEMY RESTROOM REMODEL TARRANT COUNTY RESOURCE CENTER 1500 CIRCLE DR., SUITE 200 FORT WORTH, TEXAS 76119	
DEMOLISHED REFLECTED CEILING PLAN	
SHEET SIZE: 22X34 ANSI D SCALE: 1/4"=1' KAJ JOB NUMBER: 2017.501 DATE: 01/20/2023	D1.02

XREFS



GENERAL NOTES

- A. NOTES BY SYMBOL SHEET SPECIFIC
- B. REFER TO SHEET G0.02 FOR SYMBOLS
LEGEND AND LIST OF ABBREVIATIONS

NOTES BY SYMBOL 'X'

- 1. EXISTING ACCESSIBLE PARKING SPACE
- 2. EXISTING ACCESSIBLE STRIPED AISLE
- 3. ENSURE ACCESSIBLE PATH IS BARRIER FREE, 5%
MAX. SLOPE, 2% MAX. CROSS SLOPE PER TEXAS
ACCESSIBILITY STANDARDS.
- 4. SCOPE OF WORK

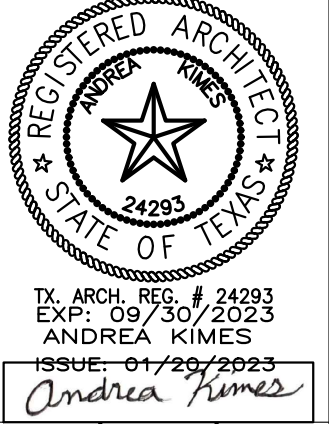
PARKING COUNTS

SEE G0.02

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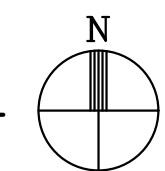
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EXISTING SITE PLAN

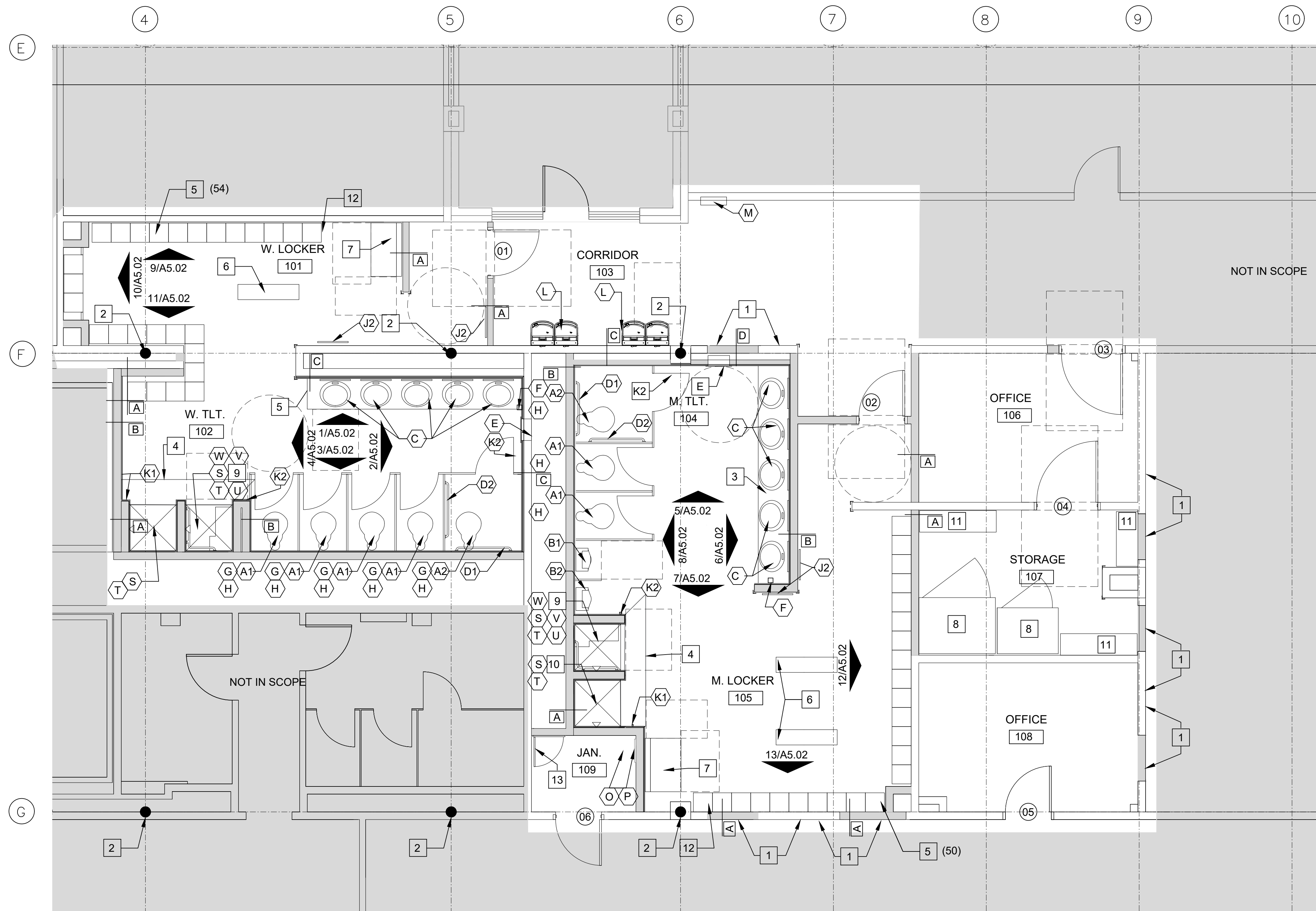
SHEET SIZE	22X34 ANSI D
SCALE:	1/32"
KAI JOB NUMBER:	2017.501
DATE:	01/20/2023

A0.01

1
A0.01 **EXISTING SITE PLAN**
SCALE: 1/20" = 1'-0"



XREFS



GENERAL NOTES

- A. NOTES BY SYMBOL SHEET SPECIFIC
- B. SOUND ATTENUATION IN ALL NEW PARTITIONS UNLESS NOTED OTHERWISE
- C. PREPARE ALL SUBSTRATES TO ACCOMMODATE NEW LAYOUT AND FINISHES
- D. ALL PARTITION TYPES 'A' UNLESS NOTED OTHERWISE
- E. REFER TO SHEET 1.02 FOR PARTITION TYPES
- F. REFER TO SHEET A5.01 FOR FINISH LEGEND AND SCHEDULE
- G. REFER TO SHEET G0.02 FOR SYMBOLS LEGEND AND LIST OF ABBREVIATIONS
- H. REFER TO SHEET A5.01& A5.02 FOR PLUMBING FIXTURES AND ACCESSORY LEGEND
- I. REFER TO SHEET A6.01 FOR DOOR AND FRAME SCHEDULE
- J. FOR INSTALL OF NEW DOORS INTO EXISTING CMU WALLS, DOOR FRAME SHOULD COURSE. VERIFY IN FIELD, BRING ANY CONCERNS TO ATTENTION OF ARCHITECT.

NOTES BY SYMBOL '0'

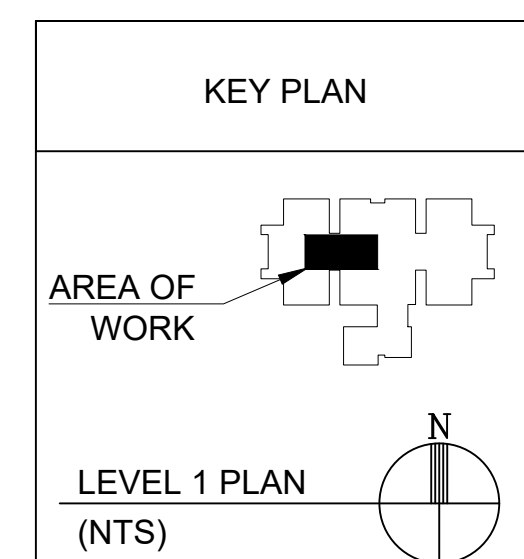
- 1. ALIGN CMU WALL INFILL
- 2. EXISTING COLUMN
- 3. SOLID SURFACE COUNTERTOP AND UNDERMOUNT SINKS. REFER TO INTERIOR ELEVATIONS AND DETAILS
- 4. FLOAT FLOOR UNDER TILE FOR SHOWER APPROACH
- 5. METAL DOUBLE TIER LOCKERS (15" X 15") UPPERS AND LOWER
- 6. FLOOR MOUNTED WOOD BENCH (12" X 48")
- 7. ADA WOOD BENCH (24" X 42")
- 8. RELOCATED EXISTING SAFE
- 9. ADA SHOWER (CLEAR FLOOR SPACE 36" MIN X 48" MIN SHOWN)
- 10. NON ACCESSIBLE SHOWER
- 11. INSTALL NEW SHELVES AT ACCESSIBLE HEIGHT AND PER MANUFACTURER BLOCKING REQUIREMENTS.
- 12. ACCESSIBLE LOCKER.
- 13. ACCESS PANEL FOR CHASE.

WALL LEGEND

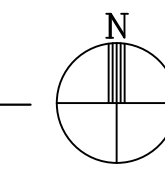
- EXISTING PARTITION TO REMAIN
- NEW PARTITION TO DECK

SYMBOL LEGEND

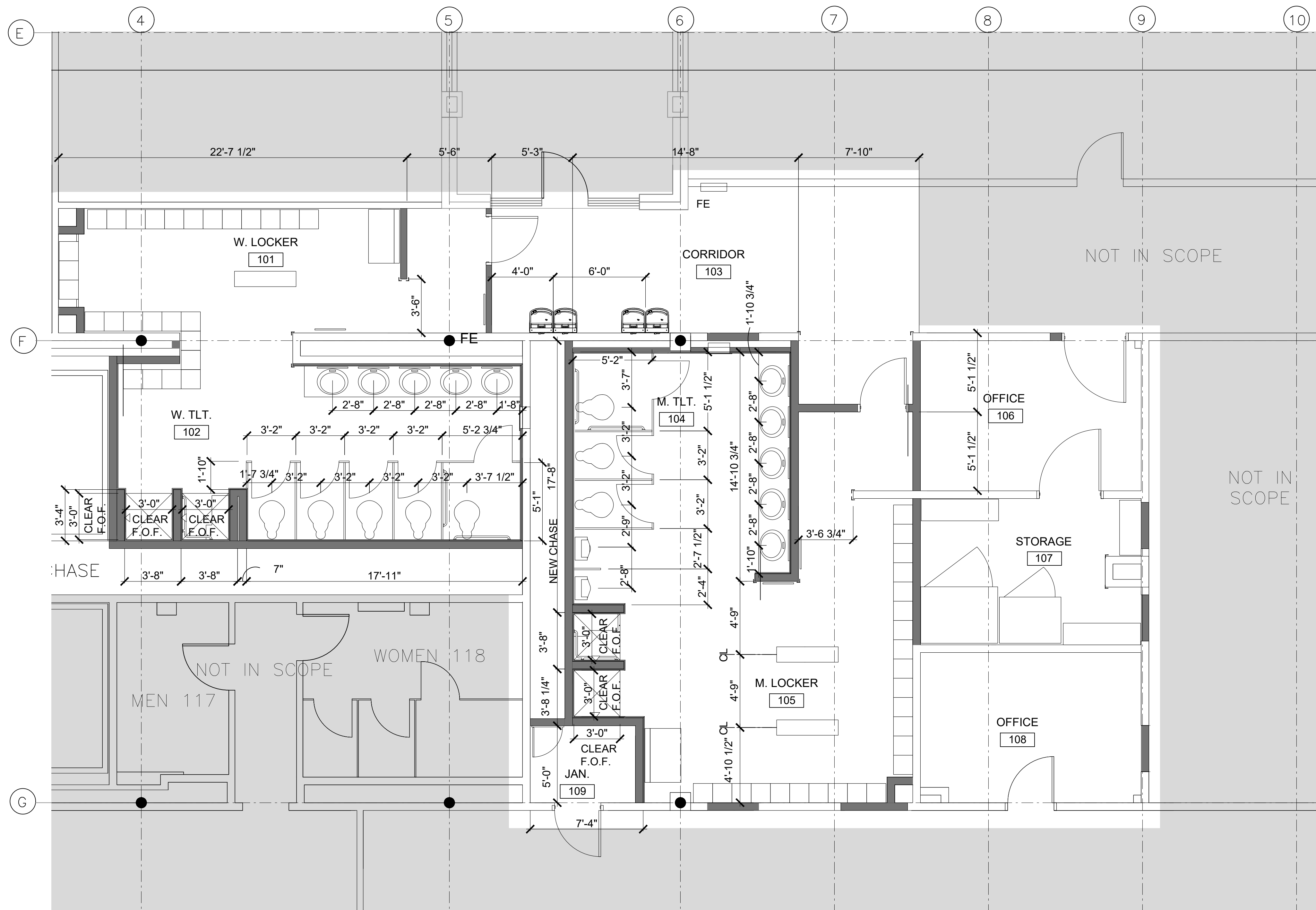
- TOILET ACCESSORY TAG
- ROOM NAME & NUMBER TAG



1 FLOOR PLAN
A1.01 SCALE: 1/4"=1'-0"



<p>KOMATSU ARCHITECTURE</p> <p>100% BID SUBMITTAL</p>	<p>SHERIFFS OFFICE RECRUITMENT ACADEMY RESTROOM REMODEL TARRANT COUNTY RESOURCE CENTER</p> <p>1500 CIRCLE DR., SUITE 200 FORT WORTH, TEXAS 76119</p>										
<p>TX. ARCH. REG. # 24293 EXP. 09/30/2023 ANDREA KIMES ISSUE: 01/20/2023 <i>Andrea Kimes</i></p>	<p>FLOOR PLAN</p>										
<p>REVISIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> <th>APPROVED</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	DESCRIPTION	BY	APPROVED						<p>SHEET SIZE: 22X34 ANSI D SCALE: 1/4" = 1' KAI JOB NUMBER: 2017.501 DATE: 01/20/2023</p>
NO.	DATE	DESCRIPTION	BY	APPROVED							
<p>A1.01</p> <p><small>© 2022 Komatsu Architecture, Inc.</small></p>											



GENERAL NOTES

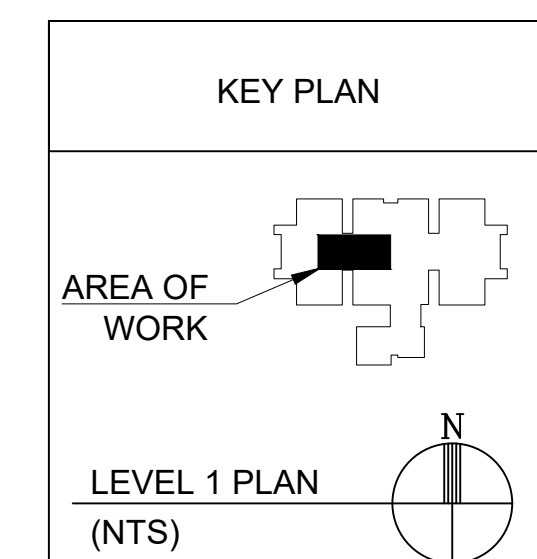
- A. NOTES BY SYMBOL SHEET SPECIFIC
- B. SOUND ATTENUATION IN ALL NEW PARTITIONS UNLESS NOTED OTHERWISE
- C. PREPARE ALL SUBSTRATES TO ACCOMMODATE NEW LAYOUT AND FINISHES
- D. ALL PARTITION TYPES 'A' UNLESS NOTED OTHERWISE
- E. REFER TO SHEET 1.02 FOR PARTITION TYPES
- F. REFER TO SHEET A5.01 FOR FINISH LEGEND AND SCHEDULE
- G. REFER TO SHEET G0.02 FOR SYMBOLS LEGEND AND LIST OF ABBREVIATIONS
- H. REFER TO SHEET A5.01& A5.02 FOR PLUMBING FIXTURES AND ACCESSORY LEGEND
- I. REFER TO SHEET A6.01 FOR DOOR AND FRAME SCHEDULE
- J. DIMENSIONS ARE TO STUD ON WALLS AND CENTERLINE OF TOILET PARTITION U.N.O.

WALL LEGEND

- EXISTING PARTITION TO REMAIN
- NEW PARTITION TO DECK

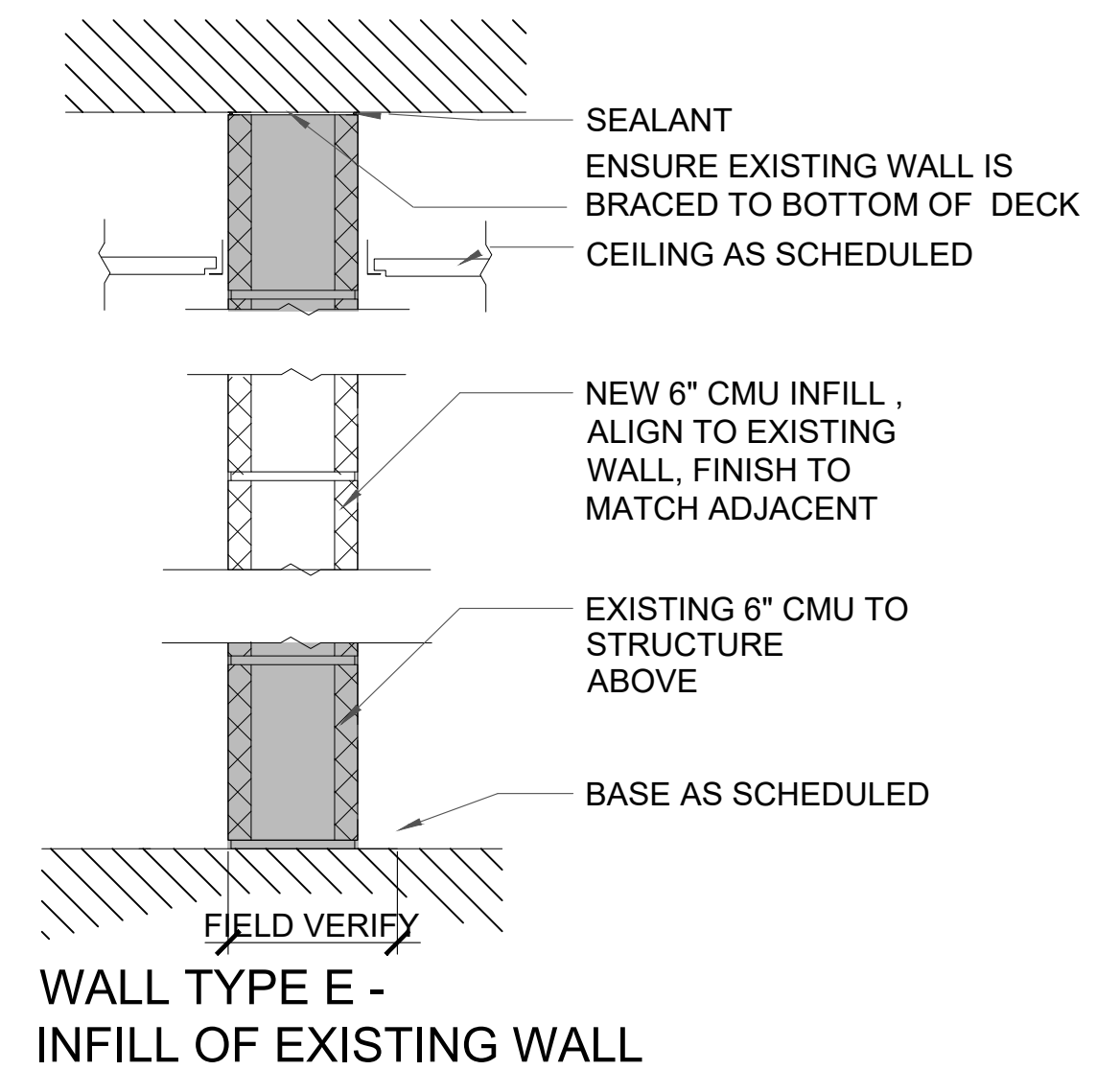
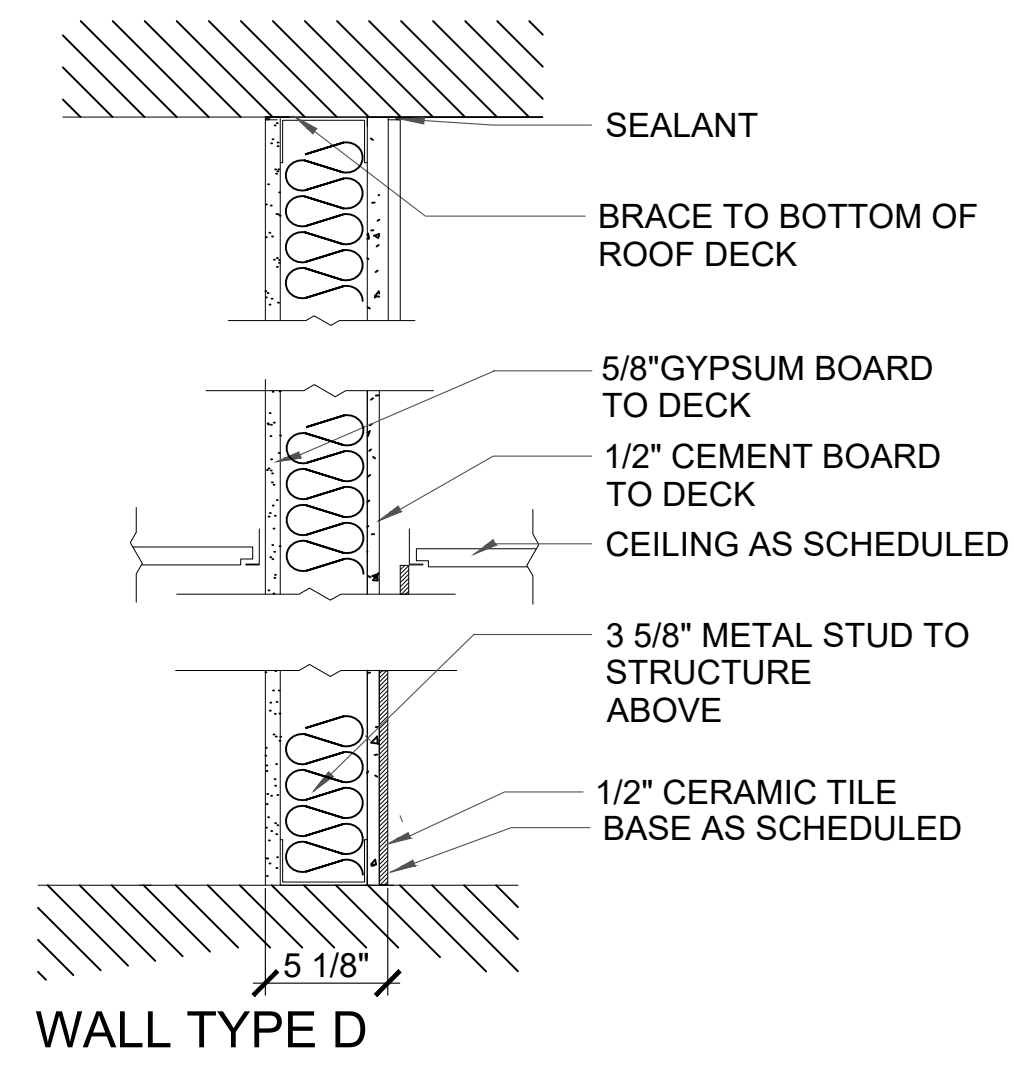
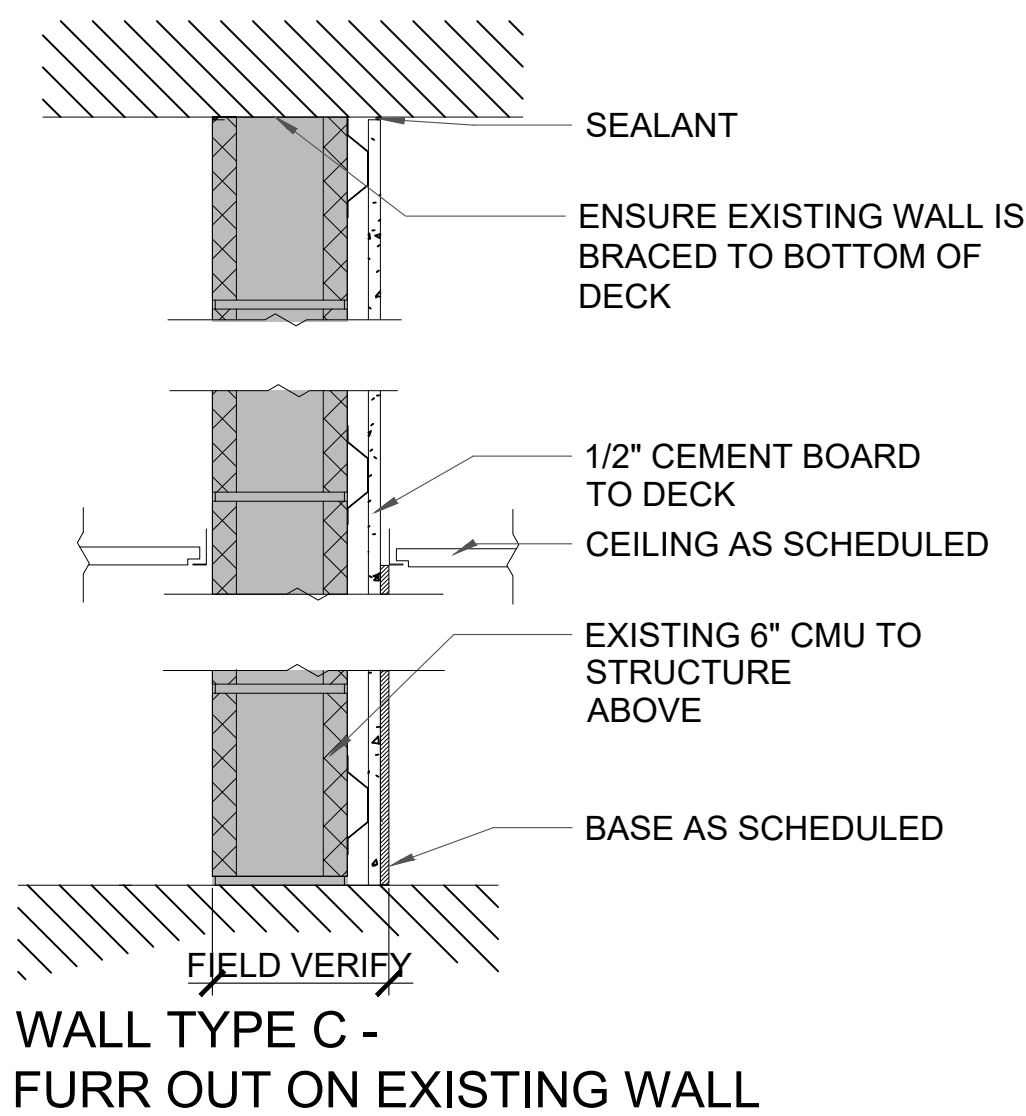
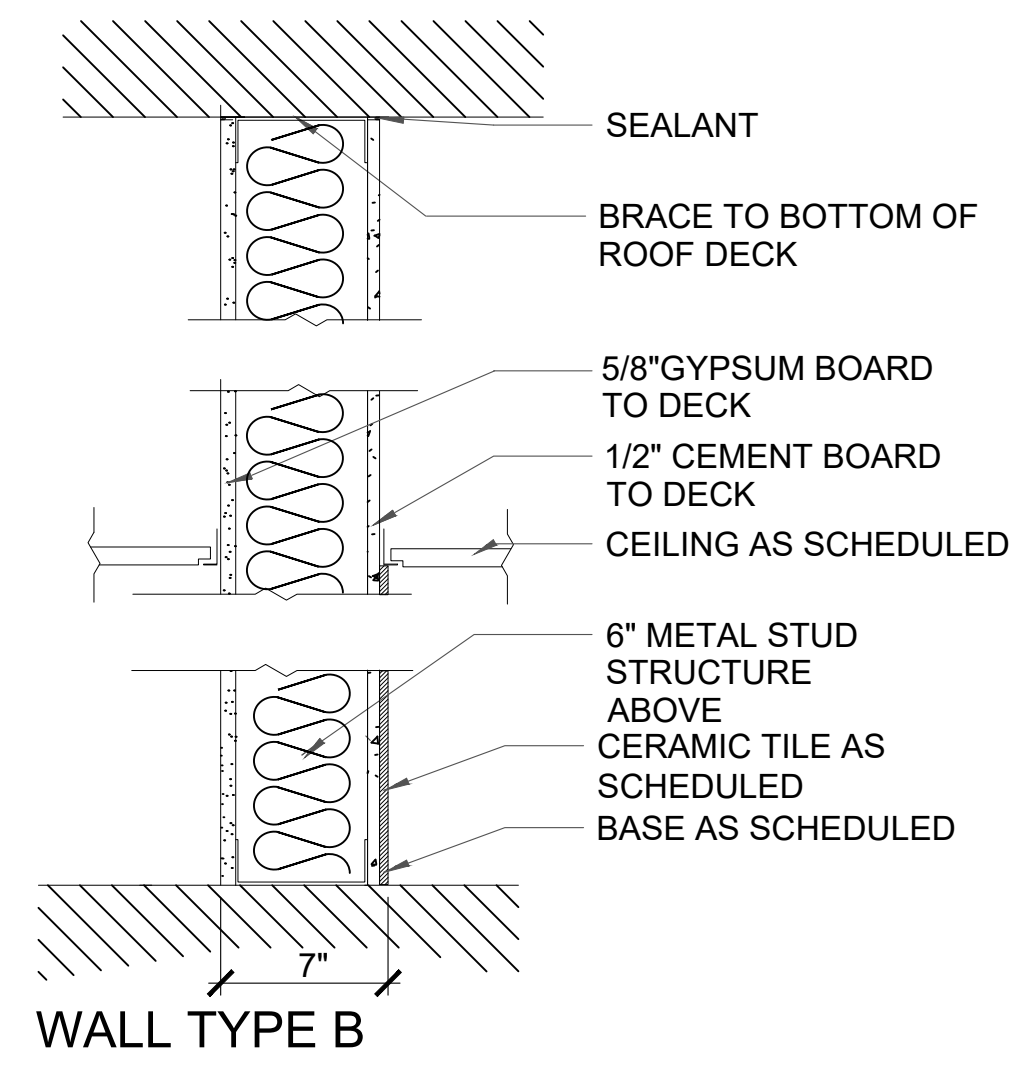
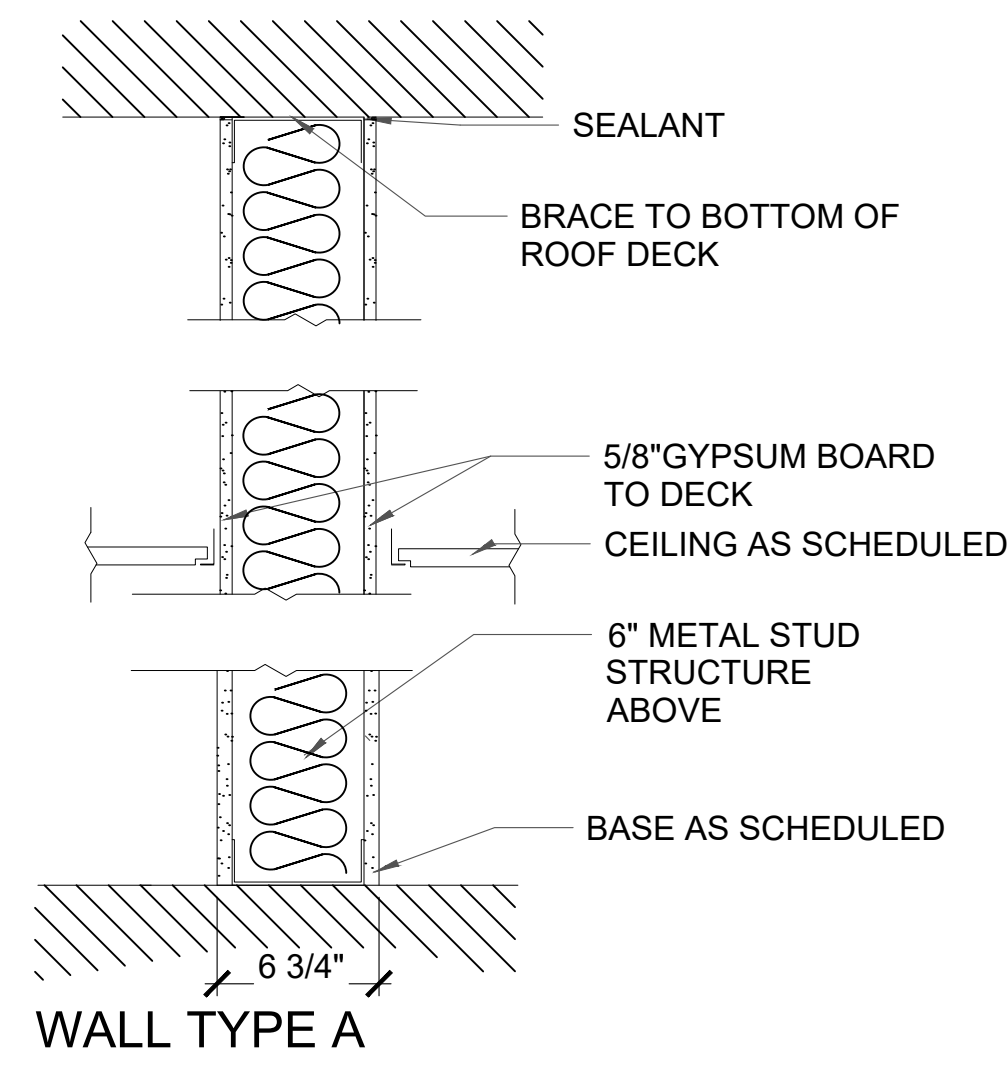
SYMBOL LEGEND

- TOILET ACCESSORY TAG
- ROOM NAME & NUMBER TAG



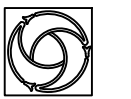
1 DIMENSIONAL FLOOR PLAN
A1.01A SCALE: 1/4" = 1'-0"

 100% BID SUBMITTAL	 <small>TX ARCH. REG. # 24293 EXP: 09/30/2023 ANDREA KIMES ISSUE: 01/20/2023 Andrea Kimes</small>
SHERIFFS OFFICE RECRUITMENT ACADEMY RESTROOM REMODEL TARRANT COUNTY RESOURCE CENTER 1500 CIRCLE DR., SUITE 200 FORT WORTH, TEXAS 76119	
DIMENSIONAL FLOOR PLAN	
SHEET SIZE: 22X34 ANSI D SCALE: 1/4"=1' KAJ JOB NUMBER: 2017.501 DATE: 01/20/2023	A1.01A

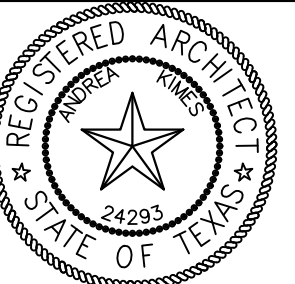


1 PARTITION TYPES
A1.02 SCALE: 1 1/2" = 1'-0"

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ANDREA KIMES
ISSUE: 01/29/2023
Andrea Kimes

SHERIFFS OFFICE RECRUITMENT ACADEMY RESTROOM REMODEL
TARRANT COUNTY RESOURCE CENTER
1500 CIRCLE DR., SUITE 200 FORT WORTH, TEXAS 76119

PARTITION TYPES

SHEET SIZE: 22X34 ANSI D
SCALE: NTS
KAI JOB NUMBER: 2017.501
DATE: 01/20/2023

A1.02

REVISIONS

NO.	DESCRIPTION	DATE	APPROVED

ROOM FINISH AND COLOR SCHEDULE

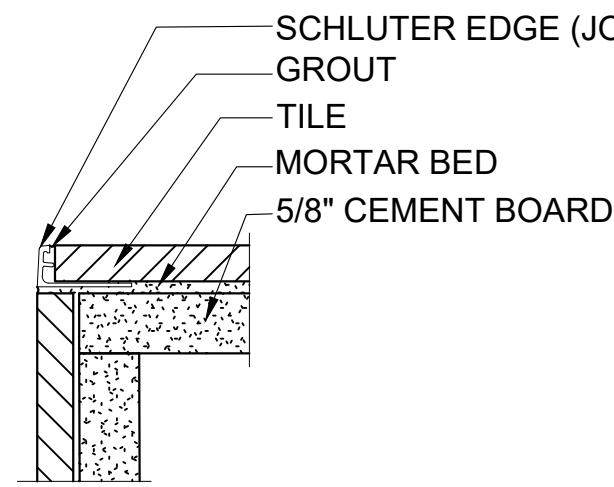
NUMBER	SPACE ROOM NAME	FLOOR	BASE	WALL				CEILING		REMARKS BY NUMBER
				N	E	S	W	MAT'L	HEIGHT	
101	WOMENS LOCKER	CT1	CT2	P4,5	P4,5	CT4/P2	P2,5	P1	9'-0"	1
102	WOMENS TOILET	CT1,5	CT2	CT4/P2	CT3	CT3,4	CT3	P1	9'-0"	2,3,5
103	CORRIDOR	EX	EX/RB1	EX/P5	EX	P3,4	P3,4,5	AC	9'-0"	6
104	MENS TOILET	CT1,5	CT2	CT3	CT3,4	CT3	CT3,4	P1	9'-0"	2,3,5
105	MENS LOCKER	CT1	CT2	CT3/P4,5	P2,5	P4,5	CT3	P1	9'-0"	1
106	OFFICE 1	C	RB1	P2	P2	P4	P2	AC	9'-0"	-
107	STORAGE	C	RB1	P2	P2,4	P5	P2	AC	9'-0"	-
108	OFFICE 2	C	RB1	P4	P2	P2,5	P2,5	AC	-	-
109	JAN	CC	RB2	CT3/P2	CT3/P2	P2	P2	AC	9'-0"	4

REMARKS BY NUMBER

- MAPLE 'WS' LOCKER ROOM BENCH
- CERAMIC TILE 'CT5' AT SHOWER SHAMPOO/SOAP SHELF INSET BACK WALL, REFER TO ELEVATION AND DETAIL 2/A5.01
- PLASTIC LAMINATE APRON 'PL' WITH SOLID SURFACE 'SM' COUNTERTOP, 4" SPLASH, CERAMIC TILE 'CT3' AT MOP SINK, REFER TO TOILET FIXTURE AND ACCESSORIES LEGEND BELOW
- CERAMIC TILE 'CT5' AT SHOWER FLOOR, REFER TO SHEET A8.01
- REFER TO SHEET A8.02 FOR BASE LOCATIONS AND BASE TRANSITION DETAIL

GENERAL NOTES

- REFER TO INTERIOR ELEVATIONS, REFLECTED CEILING PLAN, AND A8 SHEET(S) FOR COLOR INDICATIONS, FINISH INDICATIONS, AND CEILING HEIGHT CLARIFICATIONS
- WHERE THERE IS MORE THAN ONE FINISH INDICATION IN A BOX, REFER TO DRAWINGS FOR WHERE FINISH OCCURS
- PAINT ALL HOLLOW METAL DOORS AND DOOR FRAMES 'PM'
- GYPSUM WALL BOARD TEXTURE TO BE ROLLED LIGHT ORANGE PEEL
- STRAIGHT BASE 'RB1' AT CARPET UNLESS NOTED OTHERWISE
- STRAIGHT BASE WITH QUARTER ROUND TRIM 'RB2' AT HARD FLOOR SURFACES UNLESS NOTED OTHERWISE
- USE EGGSHELL PAINT FINISH AT WALLS
- USE FLAT PAINT FINISH AT CEILINGS
- USE SATIN PAINT FINISH AT METAL
- WOOD DOORS 'WS'
- CLEAN EXISTING SURFACES AND PREP TO RECEIVE NEW FINISH
- ALL COVER PLATES TO BE COLOR: LIGHT ALMOND
- ALL TILE GROUT JOINTS 1/8" UNLESS NOTED OTHERWISE
- PROVIDE THRESHOLDS AT TOILET ROOM DOORS WITH TAS COMPLIANT PROFILE
- PAINT ACCESS PANELS TO MATCH ADJACENT WALL SURFACE
- PAINT AIR SUPPLY/RETURN GRILLES TO MATCH ADJACENT SURFACE
- REFER SHEET A8.01 FOR DIRECTION OF FLOORING INSTALLATION
- REFER 1 & 2/A5.01 AND 2/A8.02 FOR TYPICAL TILE DETAILS
- METAL TRIM 'TR4' AT WALL TILE OUTSIDE CORNERS, REFER TO 1/A5.01 FOR TYPICAL TILE OUTSIDE CORNER DETAIL

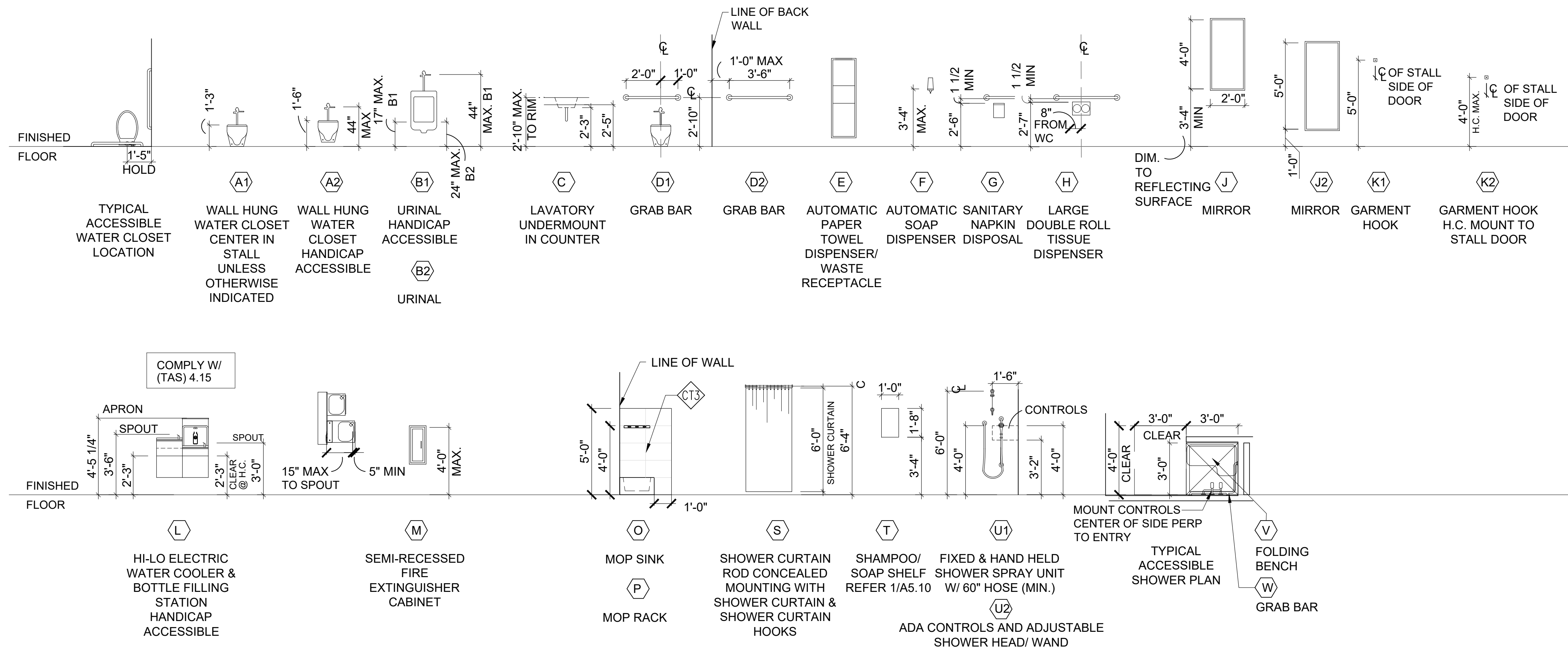


1 OUTSIDE CORNER DETAIL
A5.01 SCALE: 3" = 1'-0"

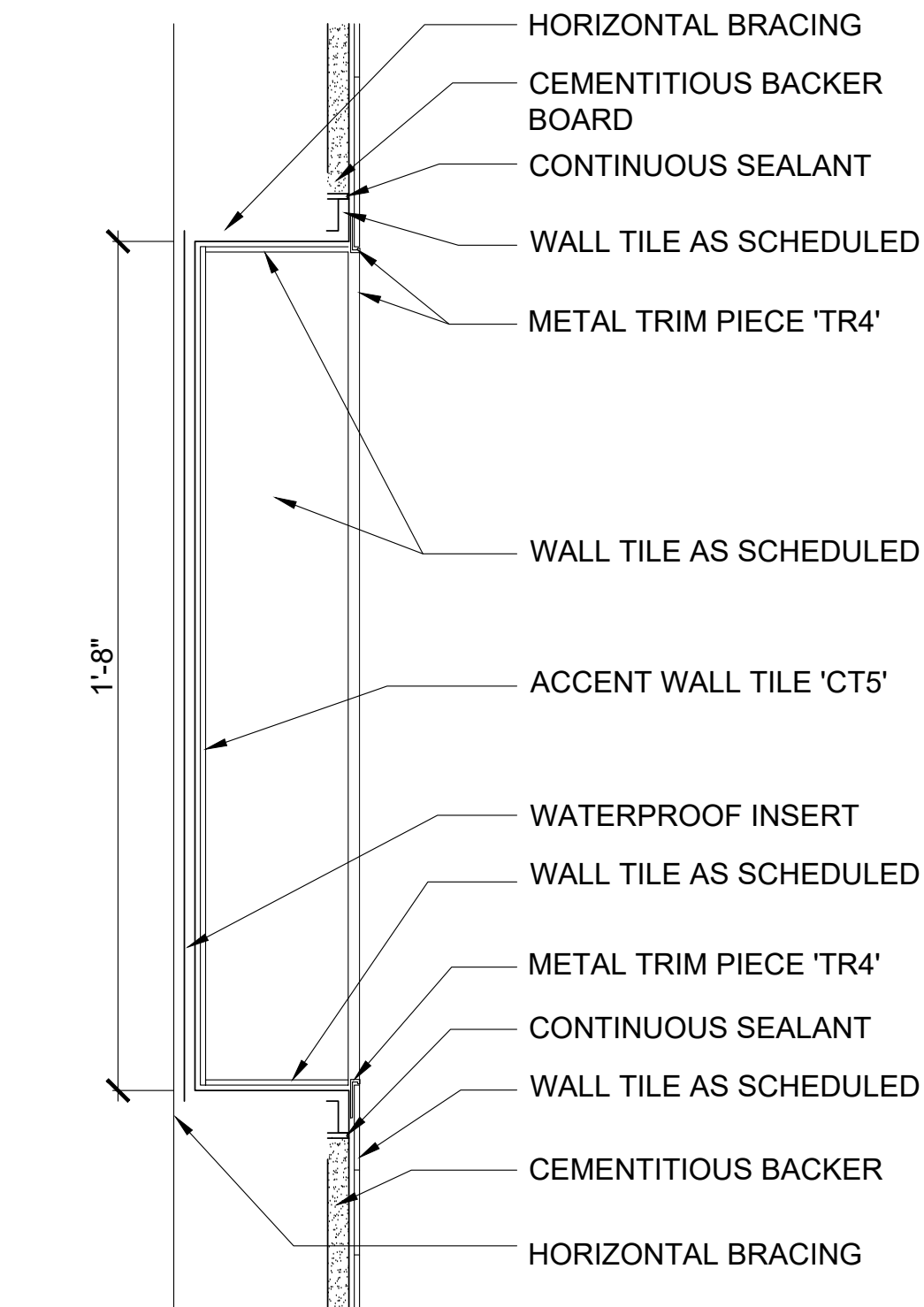
ROOM FINISH LEGEND

- AC ACOUSTIC CEILING TILE - ROCKFON, 2 X 2 ALASKA SQUARE LAY-IN - WHITE
- C CARPET TILE - MANUF: SHAW
STYLE: 59342 CONNECT FW24
COLOR: 40485 HARBOURING DESIRE
- CG CORNER GUARD - KOROSEAL, #GS15 STAINLESS STEEL 48" HIGH WITH 1 1/2" LEG UNLESS NOTED OTHERWISE - ADHERED INSTALL
- CC SEALED CONCRETE
- CT CERAMIC TILE - MONOLITHIC INSTALL UNLESS OTHERWISE NOTED
 - FLOOR TILE - DAL TILE, IMAGICA, COLOR: MIDNIGHT IG98, FINISH: MATTE, 12" X 24", RECTIFIED
 - BASE TILE - DAL TILE, IMAGICA, COLOR: MIDNIGHT IG98, FINISH: MATTE, 6" X 12" COVE BASE AND 1" X 6" COVE BASE OUTCORNER, RECTIFIED
 - GENERAL WALL TILE - CROSSVILLE STUDIOS, GOTHAM, COLOR: LAMP POST AV321, FINISH: UNPOLISHED (UPS), 12" X 24", NON-RECTIFIED WITH A 3/16" GROUT
 - ACCENT TILE - CROSSVILLE STUDIOS, RETRO ACTIVE 2.0, COLOR: ROYAL NAVY RET13, FINISH: PATTERN (PTN), 12" X 24", NON-RECTIFIED WITH A 3/16" GROUT
 - ACCENT TILE - CROSSVILLE STUDIOS, COLOR BLOX 2.0, COLOR: BLUE SUEDE SHOES CBX13, FINISH: UNPOLISHED (UPS), 3" X 3" MESH MOUNTED MOSAIC, NON-RECTIFIED
- EX EXISTING FINISH
- GR GROUT - LATICRETE, SPECTRA LOCK PRO UNLESS NOTED OTHERWISE
 - NATURAL GREY #24 - USED WITH 'CT1' AND 'CT2'
 - LIGHT PEWTER #90 - USED WITH 'CT3'
 - RAVEN #45 - USED WITH 'CT4'
 - PLATINUM #42 - USED WITH 'CT5'
- L LOCKER - PENCO, COLOR: 028 GRAY
- P GYPSUM WALL BOARD, TAPE, BED, TEXTURE & PAINT - SHERWIN WILLIAMS UNLESS NOTED OTHERWISE
 - BENJAMIN MOORE, COTTON BALLS OC-122
 - ACCESSIBLE BEIGE SW 7036
 - PPG, ARTIFACT PPG10-16
 - WOVEN WICKER SW 9104
 - CANYON CLAY SW 6054
- PM PAINTED METAL - SHERWIN WILLIAMS, URBANE BRONZE SW 7048
- SM SOLID SURFACE MATERIAL - CORIAN, COLOR: DEEP MINK
- RB RUBBER BASE - ROPPE, COLOR: 193 BLACK BROWN
 - 4" MILLWORK REVEAL STRAIGHT BASE
 - 4" MILLWORK REVEAL STRAIGHT BASE WITH 1/2" QUARTER ROUND
- TP TOILET PARTITIONS - FLOOR MOUNT OVERHEAD BRACE, BOBRICK, SOLID COLOR REINFORCED COMPOSITE (SCRC), COLOR: FOREST GREEN SC04
- TR TRANSITION TRIM
 - METAL FLOORING TRIM - 1/2" H X 2.5" W, SCHLUTER, RENO-RAMP, #AERP125B65 (BETWEEN EXISTING TERRAZZO AND NEW CERAMIC TILE)
 - METAL CEILING FLUSH ACOUSTIC TILE TRANSITION TRIM - ARMSTRONG, #AX15DSCSTR (120 X 1 15/16" X 1 1/2")
 - METAL FLOORING TRIM - 1/4", SCHLUTER, RENO-TK, #AETK60 (BETWEEN EXISTING TERRAZZO AND NEW CARPET TILE)
 - METAL WALL TRIM - HEIGHT OF PROFILE TO BE DETERMINED BY CONTRACTOR, SCHLUTER, JOLLY, COLOR: SATIN NICKEL ANODIZED ALUMINUM (AT) (USED AT CERAMIC TILE OUTSIDE CORNERS)
 - RUBBER TRIM - ROPPE, #40 EDGE GUARD 9/32", COLOR: 193 BLACK BROWN (BETWEEN NEW RUBBER BASE AND EXISTING TILE BASE AT OUTSIDE CORNER)
- PL PLASTIC LAMINATE - WILSONART, COLOR: CANYON ZEPHYR 4842-60
- WS WOOD/WOOD STAIN
WOOD: REUSED DOORS
FINISH: TO MATCH EXISTING

TOILET FIXTURE AND ACCESSORIES LEGEND



2 RECESSED SHAMPOO NICHE
A5.01 SCALE: " = 3'-0"



REVISIONS

NO.	DATE	DESCRIPTION

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ANDREA KIMES
ISSUE: 01/29/2023
Andrea Kimes

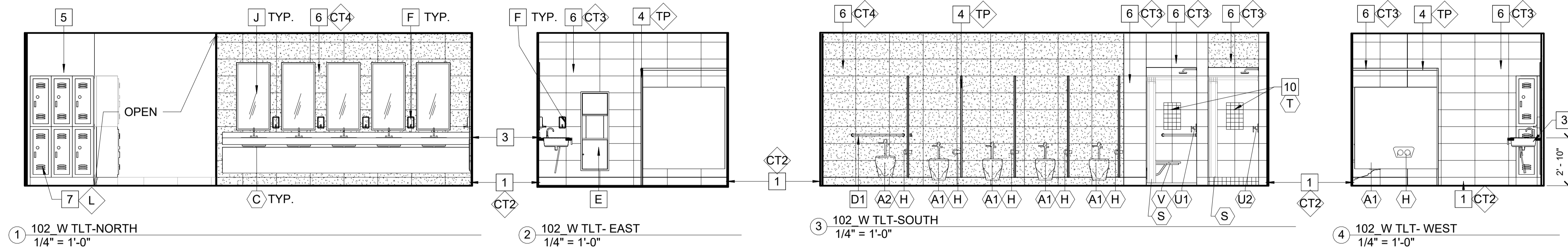
SHERIFFS OFFICE RECRUITMENT ACADEMY RESTROOM REMODEL
TARRANT COUNTY RESOURCE CENTER

1500 CIRCLE DR., SUITE 200 FORT WORTH, TEXAS 76119

SHEET SIZE: 22X34 ANSI D
SCALE: 1/4" = 1'
KAI JOB NUMBER: 2017.501
DATE: 01/20/2023

FINISH SCHEDULE

A5.01

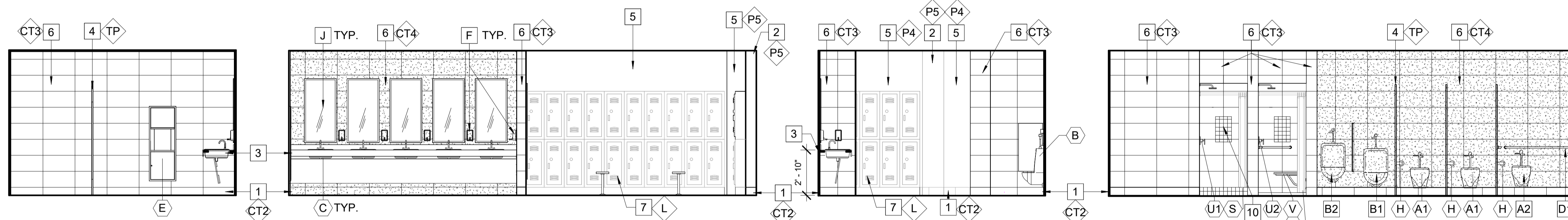


1 102_W TLT-NORTH
1/4" = 1'-0"

2 102_W TLT-EAST
1/4" = 1'-0"

3 102_W TLT-SOUTH
1/4" = 1'-0"

4 102_W TLT-WEST
1/4" = 1'-0"

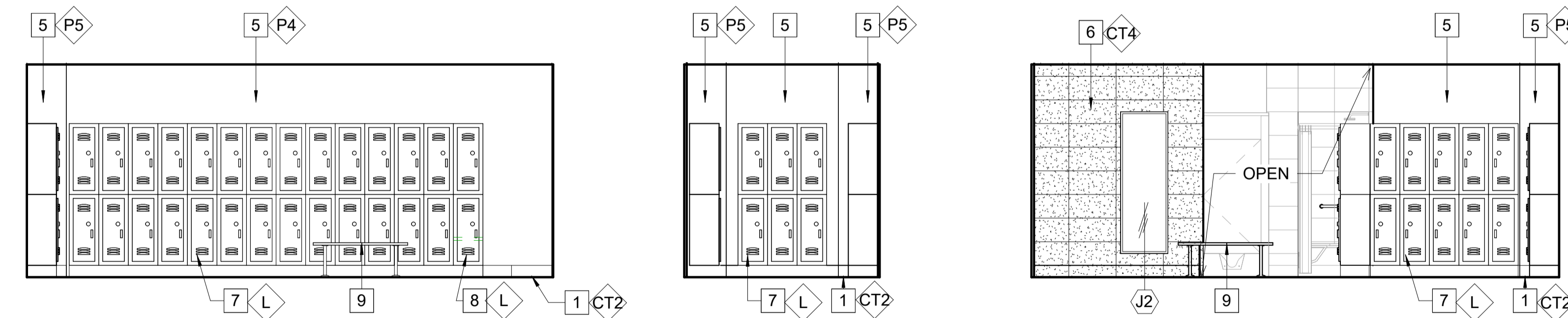


5 104_M-TOILET NORTH
1/4" = 1'-0"

6 104_M-TOILET EAST
1/4" = 1'-0"

7 104_M-TOILET SOUTH
1/4" = 1'-0"

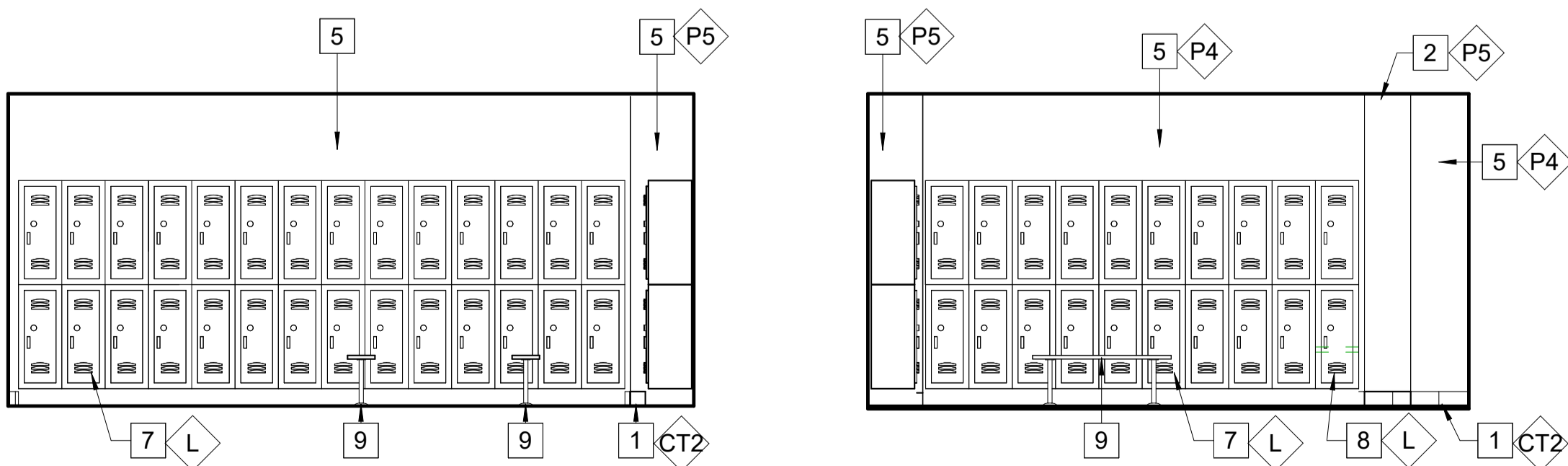
8 104_M-TOILET WEST
1/4" = 1'-0"



9 NORTH WOMENS LOCKER
1/4" = 1'-0"

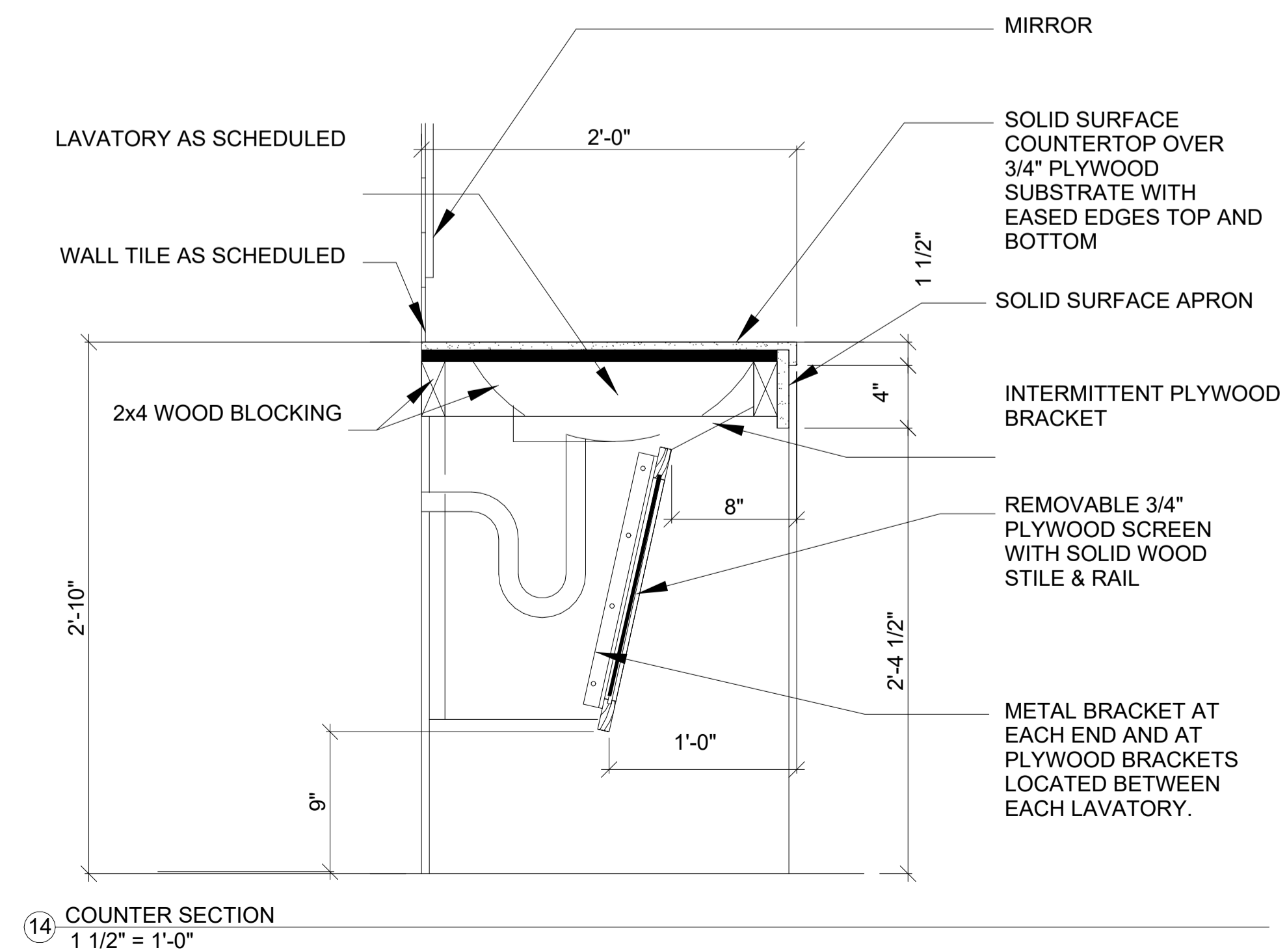
10 WEST WOMENS LOCKER
1/4" = 1'-0"

11 SOUTH WOMENS LOCKER
1/4" = 1'-0"



12 EAST MENS LOCKER
1/4" = 1'-0"

13 SOUTH MENS LOCKER
1/4" = 1'-0"



14 COUNTER SECTION
1 1/2" = 1'-0"

GENERAL NOTES

- A. NOTES BY SYMBOL SHEET SPECIFIC
- B. REFER TO G0.02 FOR SYMBOLS LEGEND
- C. THESE DRAWINGS ILLUSTRATE THE GENERAL CONDITIONS OF THE EXISTING BUILDING. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS, ASSEMBLY TYPES AND DIMENSIONS FOR ALL EXISTING BUILDING CONSTRUCTION PRIOR TO BEGINNING WORK.
- D. DIMENSIONS ON THIS SHEET ARE TAKEN FROM EDGE OF STUD TO EDGE OF STUD UNLESS NOTED OTHERWISE. CONTRACTOR TO VERIFY DIMENSIONS AND CONTACT ARCHITECT ABOUT ANY CONFLICTS PRIOR TO BEGINNING CONSTRUCTION
- E. REFER TO A1.02 FOR PARTITION TYPES. ALL PARTITIONS TYPES ARE 'A' UNLESS NOTED OTHERWISE
- F. 'X' DENOTES FINISH AND COLOR. REFER TO A5.01 FOR FINISH LEGEND AND SCHEDULE AND A8.01 FINISH PLAN FOR FURTHER INFORMATION.
- G. INSTALL WALL CERAMIC TILE TO CREATE BALANCED/EQUAL END CUT TILES. ENSURE END CUTS ARE NOT LESS THAN 6".
- H. REFER XX/A5.03 FOR TYPICAL TILE OUTSIDE CORNER DETAIL.

NOTES BY SYMBOL

- 1. BASE AS SCHEDULED
- 2. CMU COLUMN WRAPPED AS PER PLAN
- 3. SOLID SURFACE 'SM' COUNTER AND PLASTIC LAMINATE 'PL' APRON
- 4. FLOOR MOUNTED OVERHEAD BRACED TOILET PARTITION 'TP' UNLESS OTHERWISE NOTED
- 5. GYPSUM BOARD, PAINT 'P2' U.N.O.
- 6. CERAMIC WALL TILE
- 7. DOUBLE TIER LOCKER
- 8. ACCESSIBLE LOCKER
- 9. BENCH
- 10. RECESSED SHAMPOO NICHE, CENTER HORIZONTALLY, 'CT5'

TILE LEGEND



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REGISTERED ARCHITECT
STATE OF TEXAS
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EXP. 09/30/2023
ANDREA KUMES
ISSUE 01/18/2023
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SHERIFF'S TRAINING ACADEMY RESTROOM REMODEL

1500 CIRCLE DR., SUITE 200 FORT WORTH, TEXAS 76119

INTERIOR ELEVATIONS

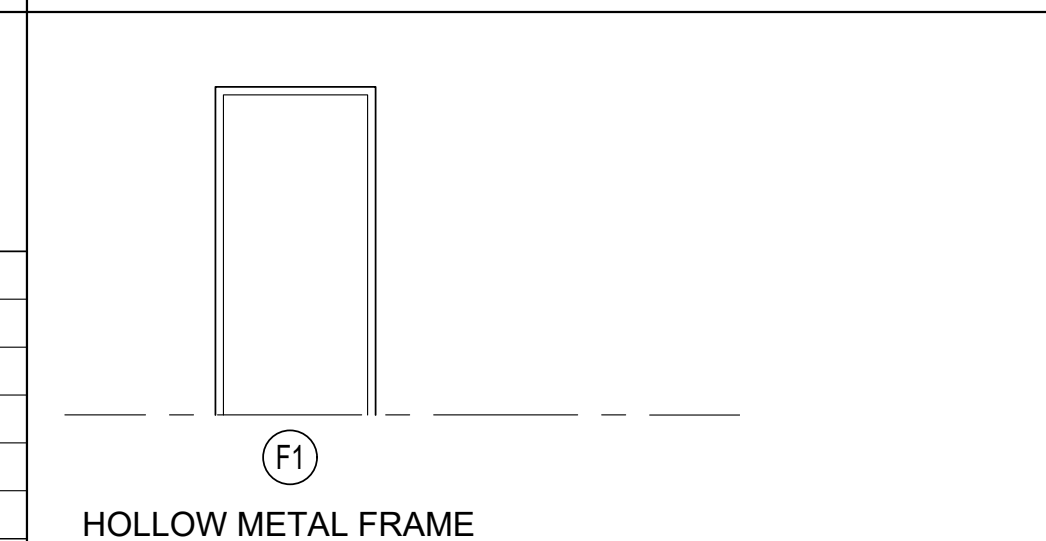
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SCALE: 1/4" = 1'
KAI JOB NO: 2017.501
DATE: 01.18.2023
SHEET:

A5.02

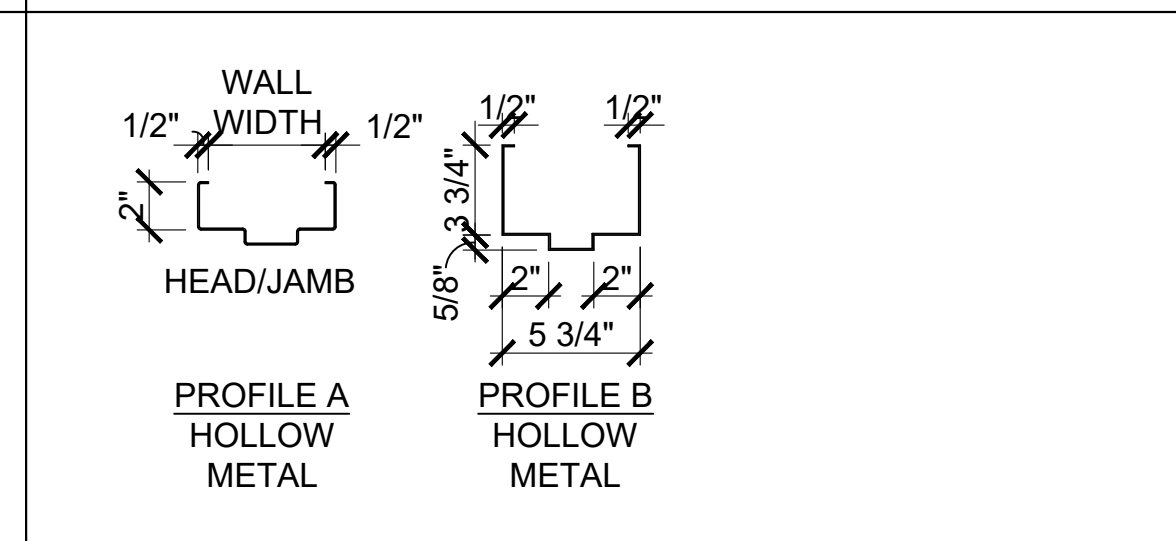
DOOR AND FRAME SCHEDULE

MARK	DOOR					FRAME						RATING		HARDWARE		NOTES BY NUMBER
	DOOR SIZE		TYPE	MAT'L	GLAZING	TYPE	MAT'L	PROFILE	DETAIL			STC	HR.	SET NO.	KEYSIDE RM. NO.	
	WIDTH X HEIGHT	THK.							HEAD	JAMB	SILL					
01	EX	EX	EX	EX	EX	F1	HM	A	2/A6.01	3/A6.01	10/A6.01	44	EX	801CL	01	1
02	EX	EX	EX	EX	EX	F1	HM	A	2/A6.01	3/A6.01	10/A6.01	44	EX	801L	02	1
03	4'-0" x 7'-0"	1 3/4"	A	WD	-	F1	HM	A	6/A6.01	7/A6.01	9/A6.01	46	1/3	103W	03	-
04	4'-0" x 7'-0"	1 3/4"	B	HM	-	F1	HM	A	6/A6.01	7/A6.01	8/A6.01	46	1/3	201CW	04	-
05	EX	EX	EX	EX	EX	EX	EX	EX	EX	EX	9/A6.01	46	EX	103	05	1
06	3'-0" x 7'-0"	1 3/4"	B	HM	-	F1	HM	A	6/A6.01	7/A6.01	8/A6.01	46	1/3	201C	06	-

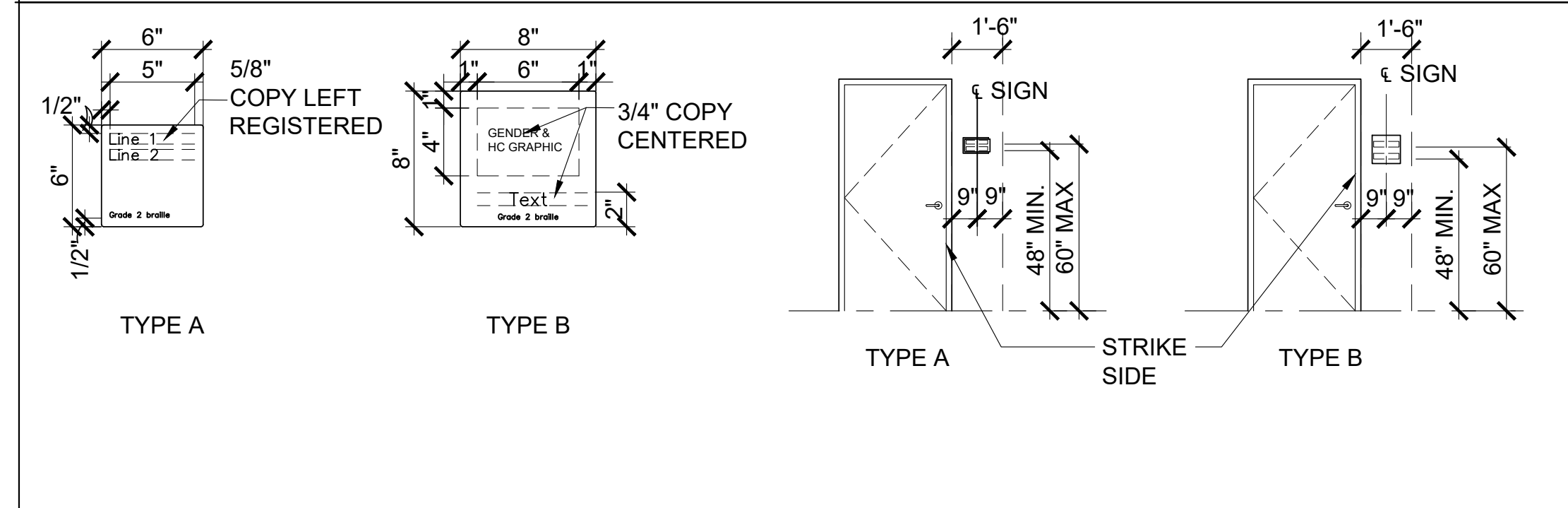
FRAME TYPES SCALE = 1/4" = 1'-0"



FRAME PROFILES SCALE = 1 1/2" = 1'-0"



ROOM SIGNAGE SCALE = 1 1/2" = 1'-0"



DOOR TYPES SCALE = 1/4" = 1'-0"

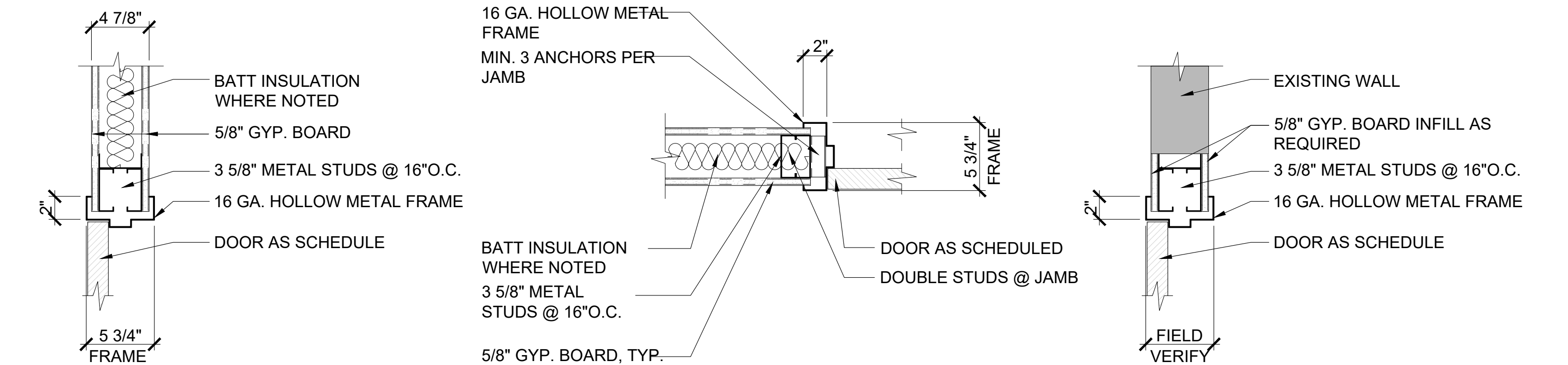


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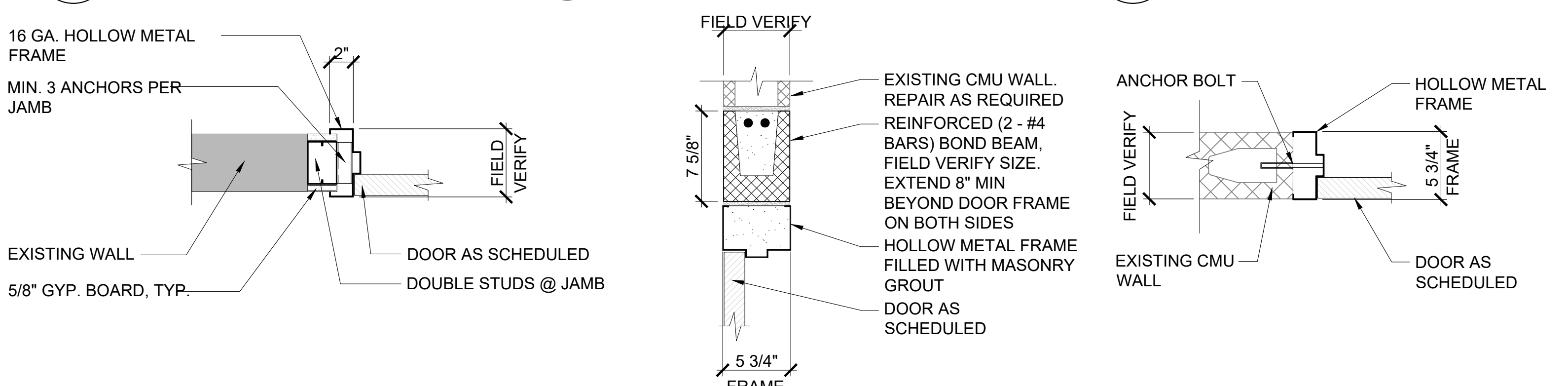
- RELOCATE EXISTING DOOR

ABBREVIATIONS

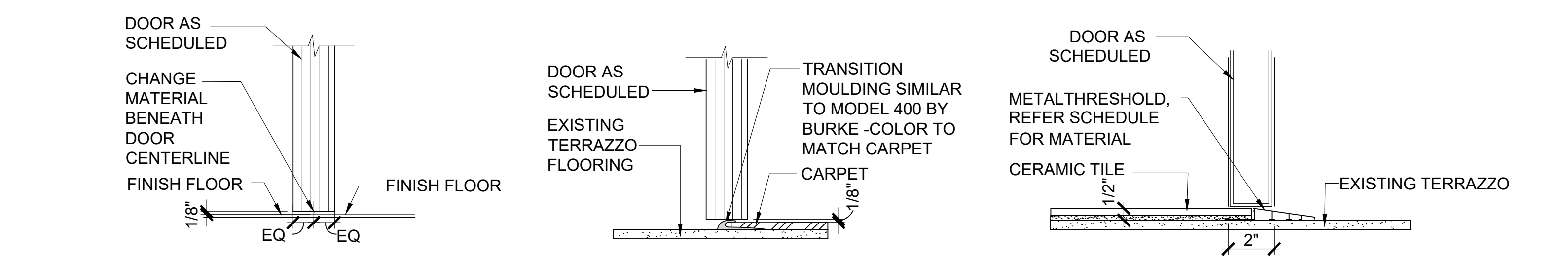
- WD _____ SOLID CORE WOOD
HM _____ HOLLOW METAL



2 DOOR HEAD DETAIL SCALE: 1- 1/2" = 1'-0"
3 DOOR JAMB DETAIL SCALE: 1- 1/2" = 1'-0"
4 DOOR HEAD DETAIL SCALE: 1- 1/2" = 1'-0"



5 DOOR JAMB DETAIL SCALE: 1- 1/2" = 1'-0"
6 DOOR HEAD DETAIL SCALE: 1- 1/2" = 1'-0"
7 DOOR JAMB DETAIL SCALE: 1- 1/2" = 1'-0"



8 SILL DETAIL SCALE: 3" = 1'-0"
9 SILL DETAIL SCALE: 3" = 1'-0"
10 SILL DETAIL SCALE: 3" = 1'-0"

APPROVED: _____ DATE: _____
DESCRIPTION: _____
SYMBOL: _____

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SHERIFFS OFFICE RECRUITMENT ACADEMY RESTROOM REMODEL
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DOOR AND FRAME SCHEDULE

SHEET SIZE: 22X34 ANSI D
SCALE:
KAI JOB NUMBER: 2017.501
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A6.01

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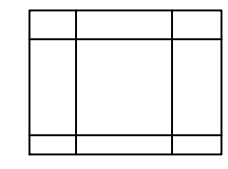
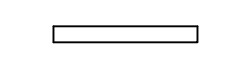
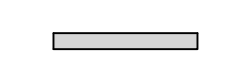
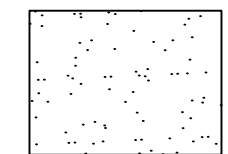
GENERAL NOTES

- A. ALL GYPSUM BOARD CEILINGS PAINTED 'P1', REFER TO SHEET A5.01 FOR FINISH LEGEND AND SCHEDULE
- B. NOTES BY SYMBOL SHEET SPECIFIC
- C. SOUND ATTENUATION IN ALL NEW PARTITIONS UNLESS NOTED OTHERWISE
- D. PREPARE ALL SUBSTRATES TO ACCOMMODATE NEW LAYOUT AND FINISHES
- E. WHERE 'AC' REPLACES EXISTING CEILING TILE INSTALL GRID AND CEILING TILE AT SAME HEIGHT
- F. REFER TO ELECTRICAL SHEETS FOR LIGHT FIXTURE SCHEDULE AND FURTHER INFORMATION

NOTES BY SYMBOL 'X'

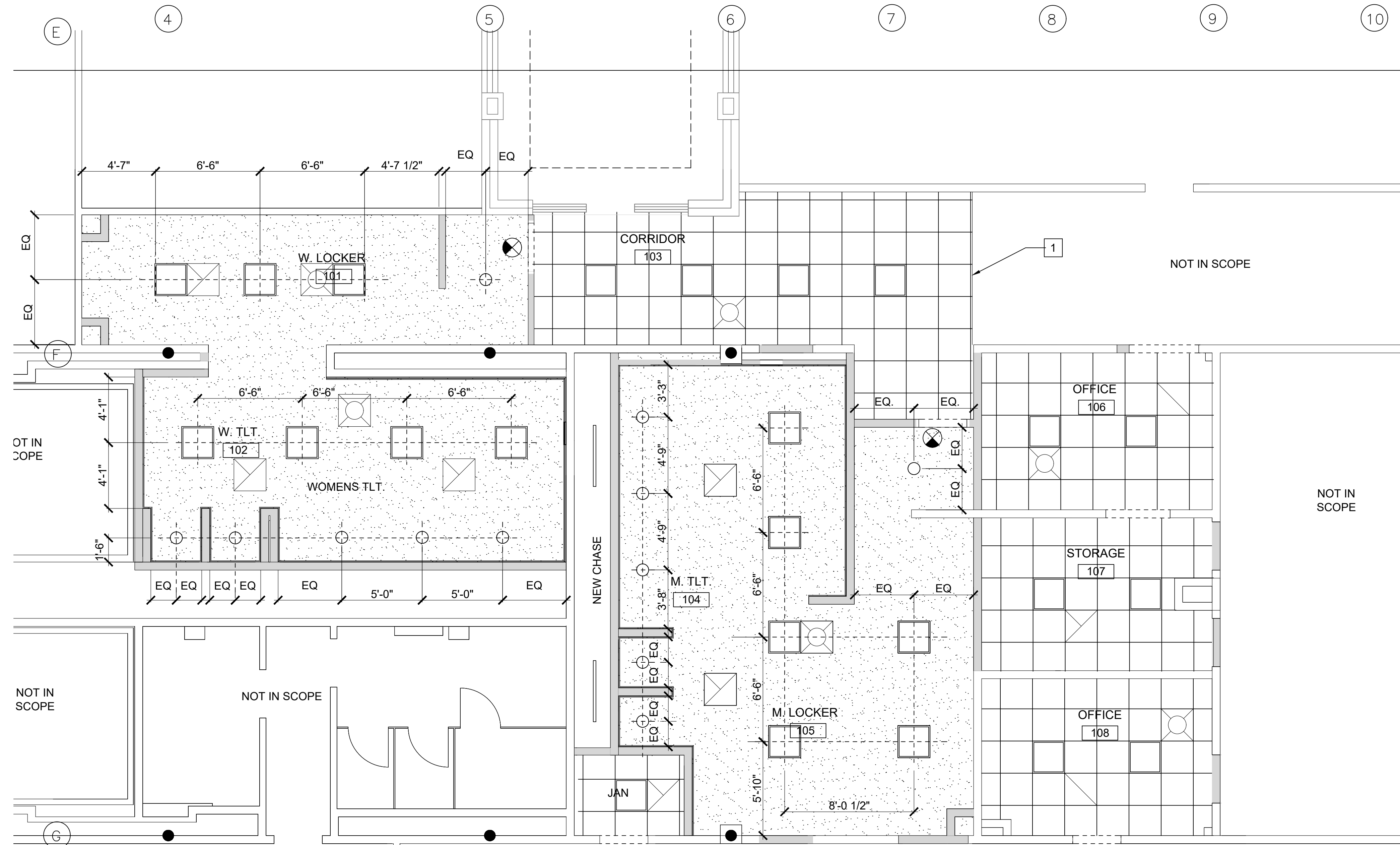
- 1. METAL TRANSITION BETWEEN NEW AND EXISTING FLUSH ACOUSTICAL PANEL CEILINGS. 'TR2' SEE FINISH SCHEDULE.

CEILING LEGEND

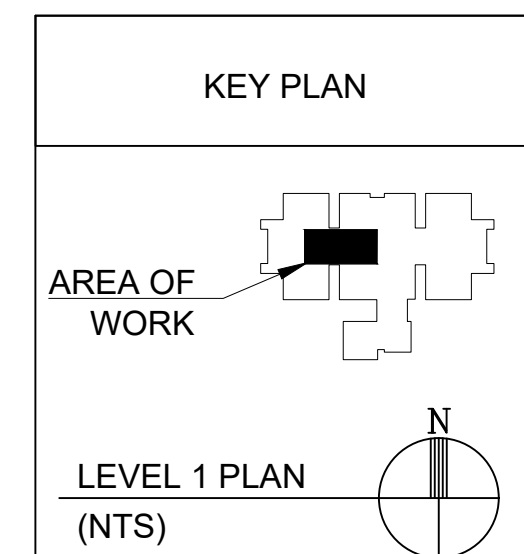
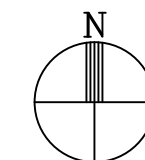
-  NEW 2 X 2 LAY-IN ACOUSTIC CEILING TILE
-  EXISTING PARTITION TO REMAIN, REFER TO PARTITION TYPES SHEET A1.02
-  NEW PARTITION, REFER TO PARTITION TYPES SHEET A1.02
-  5/8" PAINTED GYPSUM BOARD HARD CEILING FOR WET AREA

LIGHTING LEGEND

-  RECESSED LED DOWNLIGHT
-  RECESSED LED 2 X 2 LIGHT
-  SUPPLY GRILLE
-  RETURN GRILLE
-  EXHAUST GRILLE
-  EXIT SIGN



1 REFLECTED CEILING PLAN
A7.01 SCALE: 1/4" = 1'



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REG. STATE ARCHITECT
STATE OF TEXAS
TX. ARCH. REG. # 24293
EXP: 09/30/2023
ANDREA KIMES
ISSUE: 01/20/2023
Andrea Kimes

SHERIFFS OFFICE RECRUITMENT ACADEMY RESTROOM REMODEL
TARRANT COUNTY RESOURCE CENTER
1500 CIRCLE DR., SUITE 200 FORT WORTH, TEXAS 76119

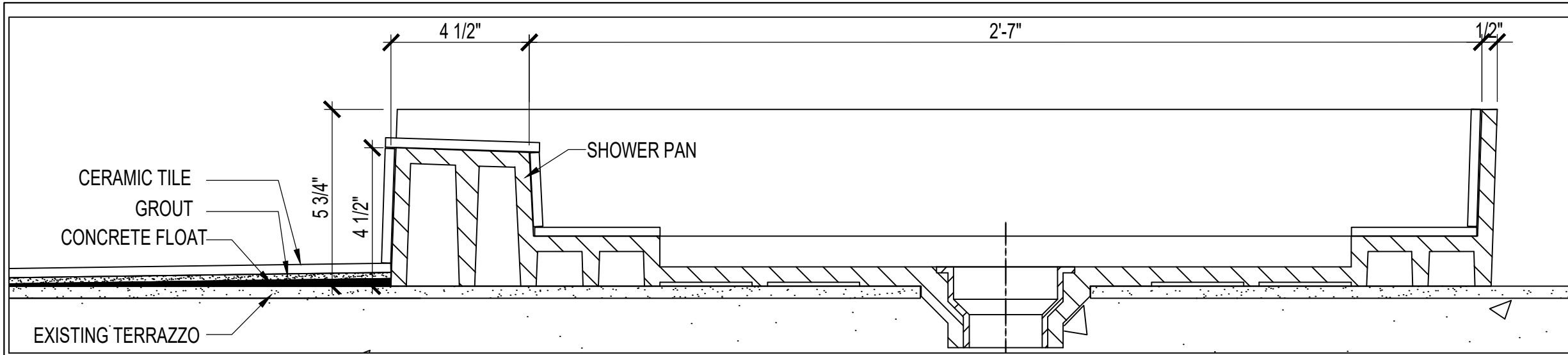
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SCALE: 1/4" = 1'
KAI JOB NUMBER: 2017.501
DATE: 01/20/2023

A7.01

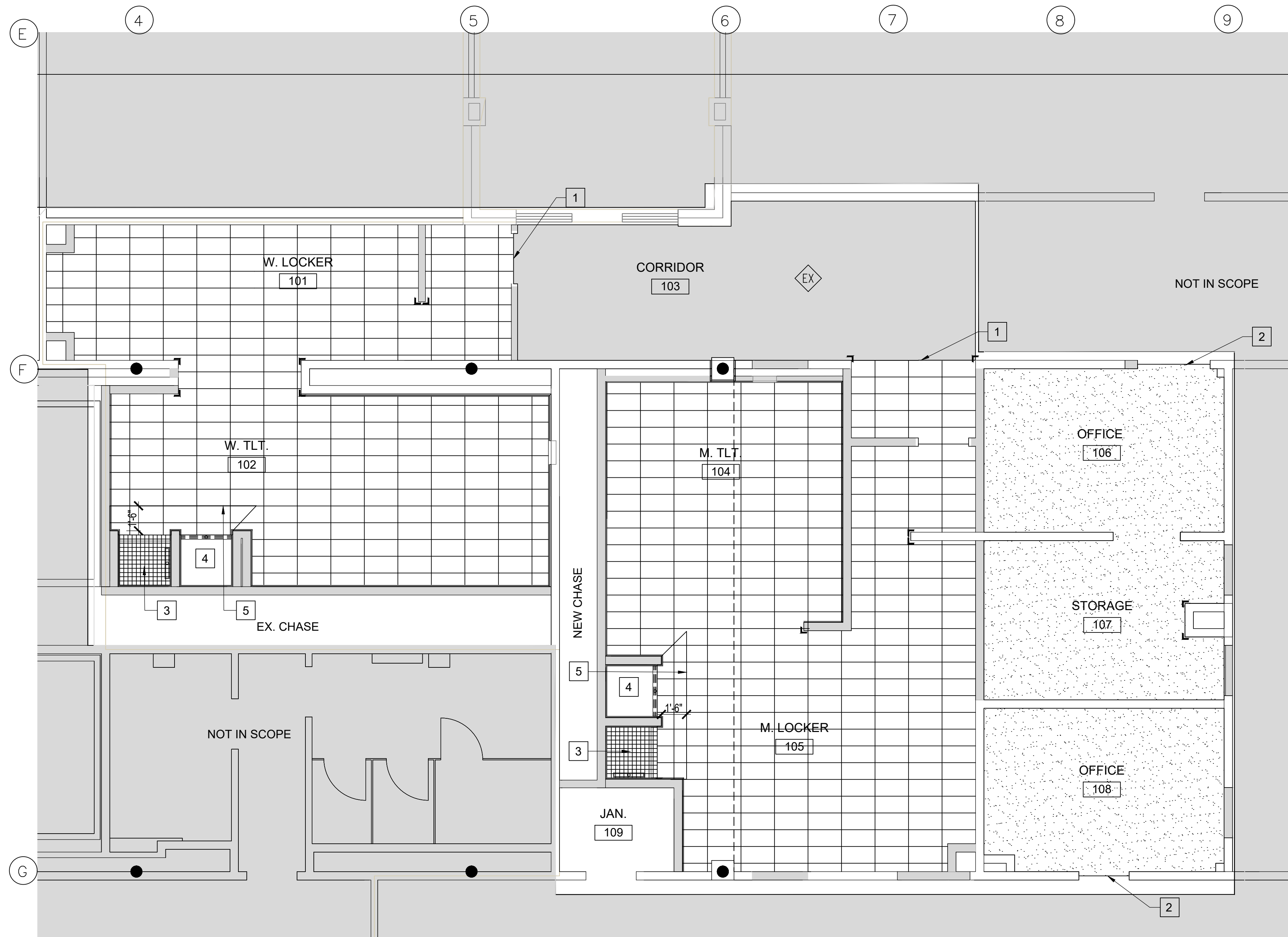
REVISIONS

100% BID SUBMITTAL

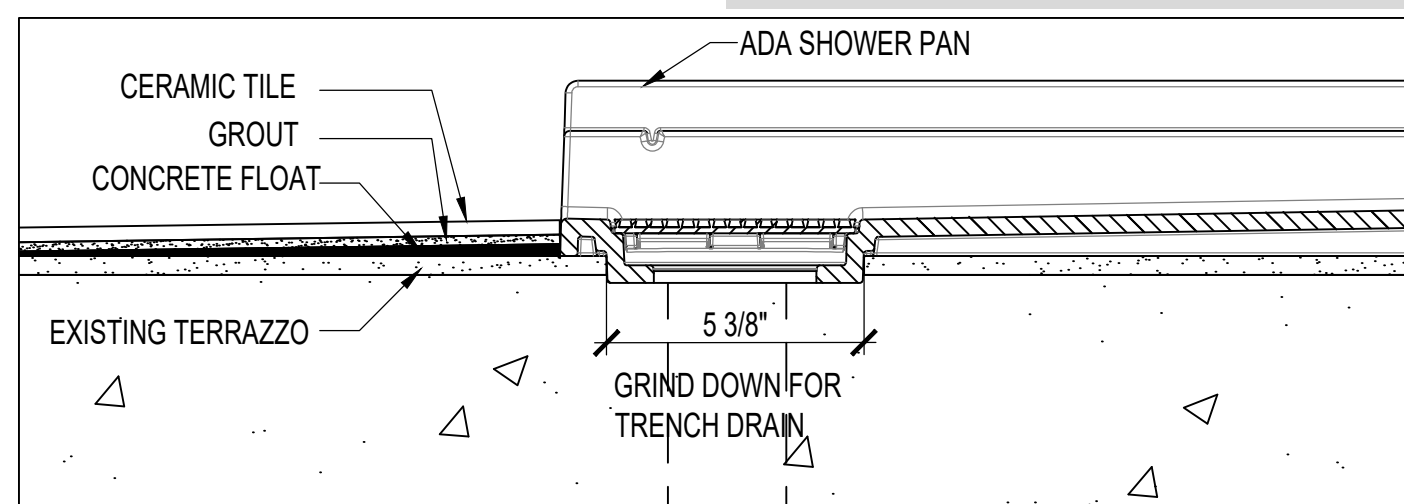
REFLECTED CEILING PLAN



3 SHOWER DETAIL
A8.01 SCALE: 3" = 1'-0"



1 FLOOR FINISH PLAN
A8.01 SCALE: 1/4" = 1'-0"



2 SHOWER DETAIL
A8.01 SCALE: 3" = 1'-0"

GENERAL NOTES

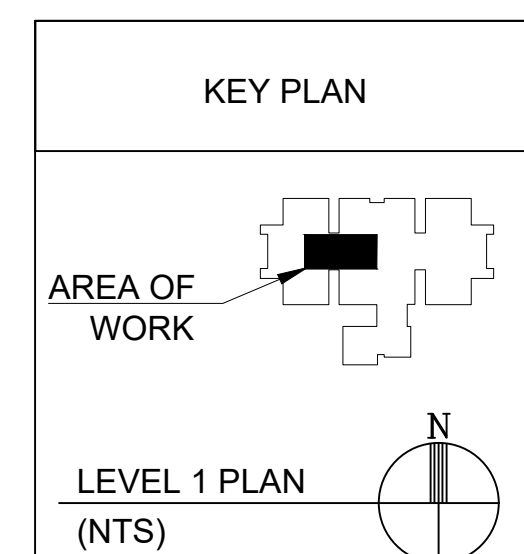
- A. REFER TO SHEET GO.01 FOR SYMBOLS, LEGEND AND LIST OF ABBREVIATIONS
- B. '◇' DENOTES FINISH AND COLOR, REFER TO SHEET A5.01 FOR FINISH LEGEND AND SCHEDULE
- C. FOR ALL ROOMS WITHOUT FLOOR FINISH DESIGNATIONS, REFER TO A5.01 FINISH SCHEDULE
- D. REFER TO A5.01 FINISH LEGEND FOR INSTALLATION METHODS
- E. NOTES BY SYMBOL SHEET SPECIFIC
- F. CLEAN AND PREPARE ALL SUBSTRATES TO ACCOMMODATE NEW LAYOUT AND FINISHES
- G. FLOOR CERAMIC TILES TO HAVE BALANCED END CUTS UNLESS NOTED OTHERWISE. ENSURE END CUTS ARE NOT LESS THAN 6".

NOTES BY SYMBOL '0'

- 1. METAL FLOORING TRANSITION 'TR1'
- 2. METAL FLOORING TRANSITION 'TR3'
- 3. TILEABLE SHOWER PAN WITH SINGLE THRESHOLD AND LEFT TRENCH DRAIN, SEE 3/A8.01
- 4. TRANSFER SHOWER BASE WITH TRENCH DRAIN, SEE 2/A8.01
- 5. FLOAT FLOOR 1/4" UP TO SHOWERS TO ENSURE 1/2" THRESHOLD MAX AT ADA SHOWER.

FLOORING LEGEND

- EX : EXISTING TERRAZZO
- CT1 : CERAMIC TILE
- CT5 : CERAMIC TILE
- C : CARPET
- LINEAR DRAIN AT ADA SHOWER
- - - METAL EXPANSION JOINT TRIM



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FLOOR FINISH PLAN

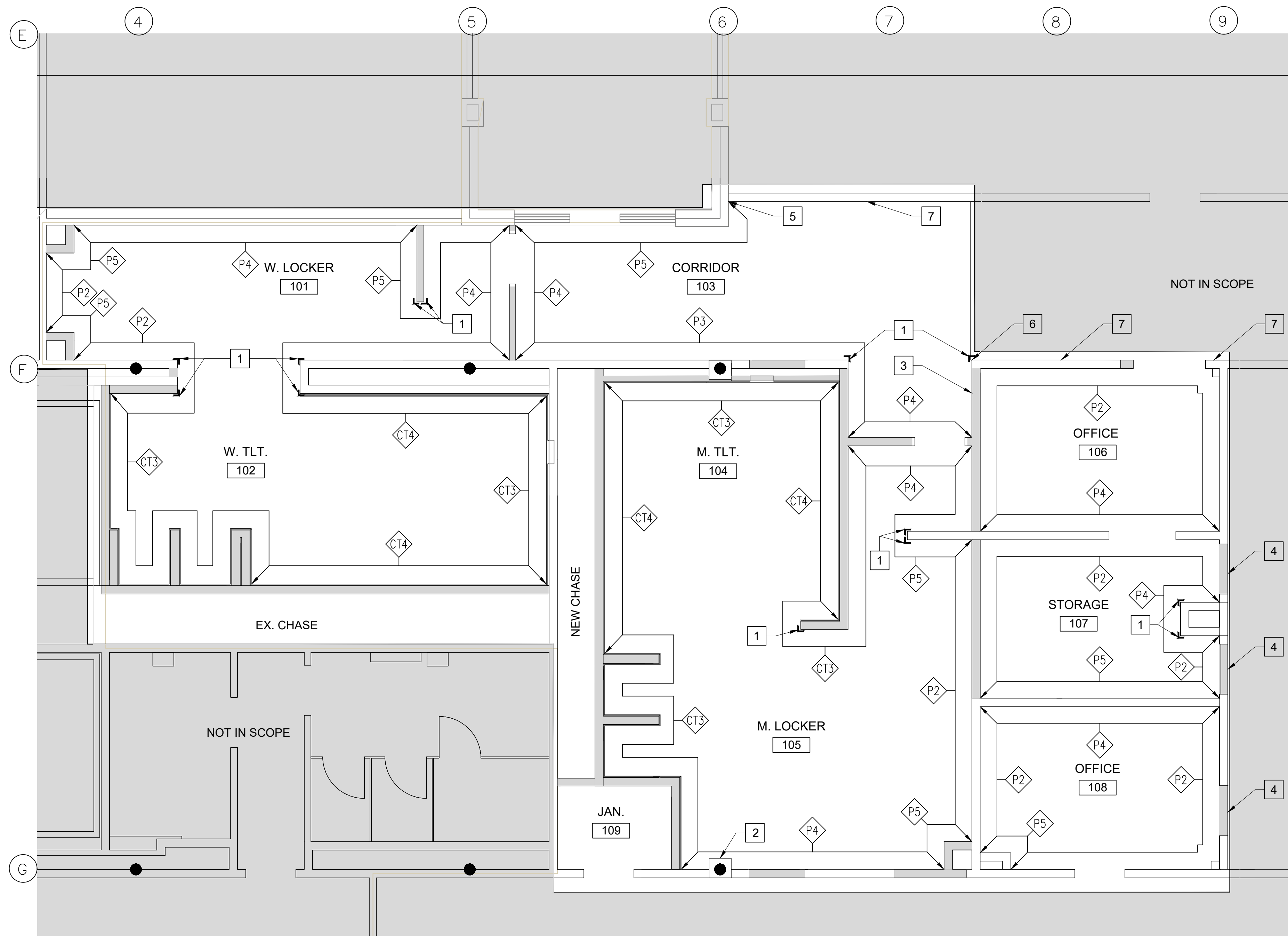
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NO.	DATE	DESCRIPTION	BY	APPROVED

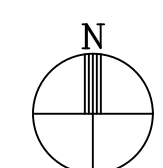
SHEET SIZE: 22X34 ANSI D
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1
A8.02 WALL FINISH PLAN
SCALE: 1/4" = 1'-0"



GENERAL NOTES

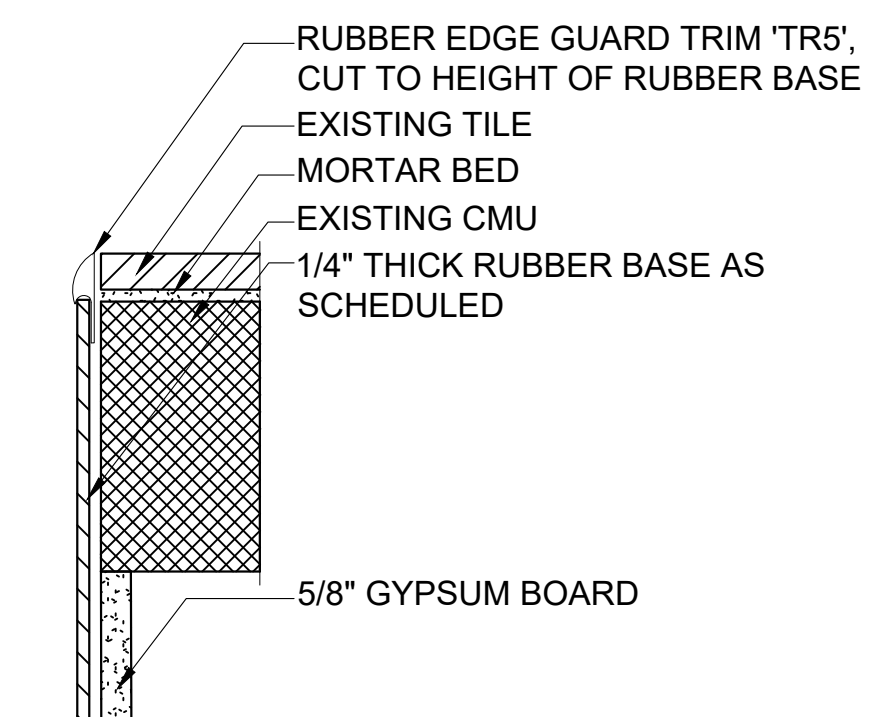
- A. REFER TO SHEET GO.01 FOR SYMBOLS, LEGEND AND LIST OF ABBREVIATIONS
- B. '◇' DENOTES FINISH AND COLOR, REFER TO SHEET A5.01 FOR FINISH LEGEND AND SCHEDULE
- C. FOR ALL ROOMS WITHOUT WALL FINISH DESIGNATIONS, REFER TO A5.01 FINISH SCHEDULE
- D. REFER TO A5.01 FINISH LEGEND FOR INSTALLATION METHODS
- E. NOTES BY SYMBOL SHEET SPECIFIC
- F. CLEAN AND PREPARE ALL SUBSTRATES TO ACCOMMODATE NEW LAYOUT AND FINISHES
- G. REFER TO ELEVATION SHEETS FOR FINISH LOCATION CLARIFICATION

NOTES BY SYMBOL '0'

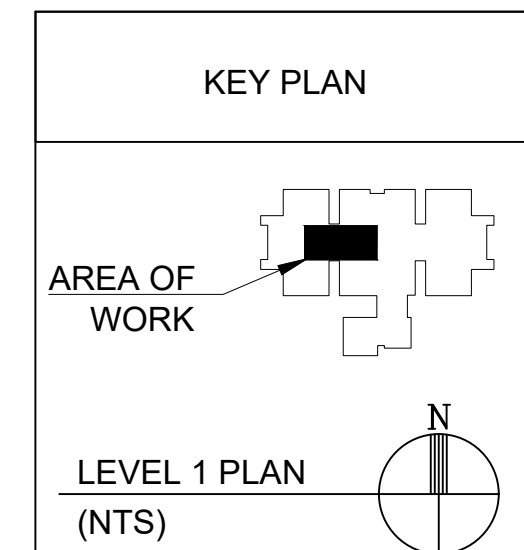
- 1. CORNER GUARD 'CG'
- 2. PAINT PILASTER 'P5', START AND END AT INSIDE CORNERS OF PILASTER
- 3. PAINT NEW PARTITION TO MATCH ADJACENT EXISTING PARTITION
- 4. PAINT INFILL TO MATCH ADJACENT EXISTING PARTITION
- 5. START NEW RUBBER BASE 'RB1' AT THIS INSIDE CORNER
- 6. END NEW RUBBER BASE 'RB1' AT THIS OUTSIDE CORNER. REFER TO DETAIL 2/A8.02 FOR RUBBER BASE TO EXISTING BULLNOSE TILE BASE TRANSITION
- 7. EXISTING BASE THIS WALL

WALL FINISH LEGEND

1 CORNER GUARD 'CG'



2
A8.02 BASE TRANSITION DETAIL
SCALE: 3" = 1'-0"



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WALL FINISH PLAN

SHEET SIZE	22X34 ANSI D
SCALE:	1/4" = 1'
KAI JOB NUMBER:	2017.501
DATE:	01/20/2023

A8.02

MECHANICAL SYMBOLS AND ABBREVIATIONS

NOTE: ALL SYMBOLS AND ABBREVIATIONS SHOWN ARE NOT NECESSARILY USED ON THE DRAWINGS

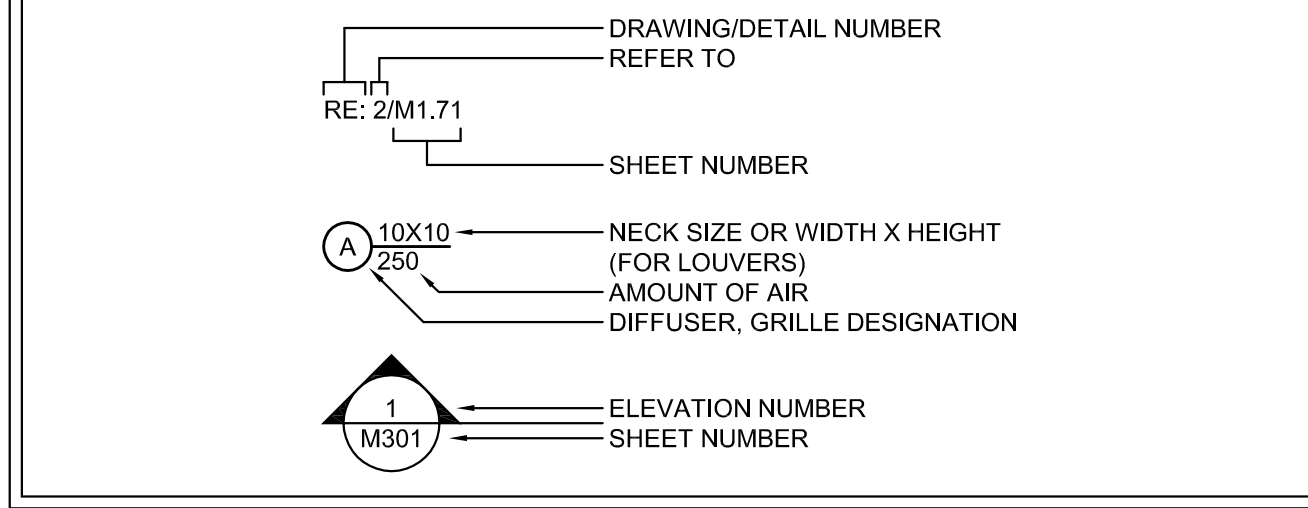
GENERAL NOTES

- PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALL PERMITS, INSPECTIONS, LICENSES AND FEES. FURNISH ALL LABOR, EQUIPMENT, SUPPLIES, AND MATERIALS NECESSARY TO PROVIDE COMPLETE AND OPERATIONAL SYSTEMS.
- THE DRAWINGS AND SPECIFICATIONS INDICATE THE GENERAL DESIGN AND ARRANGEMENT OF PIPES, FIXTURES, EQUIPMENT, SYSTEMS, ETC. INFORMATION SHOWN IS DIAGRAMMATIC IN CHARACTER AND DOES NOT NECESSARILY INDICATE EVERY REQUIRED OFFSET, FITTING, ETC. DO NOT SCALE THE DRAWINGS FOR DIMENSIONS. TAKE ALL DIMENSIONS, MEASUREMENTS, EQUIPMENT LOCATIONS, LEVELS, ETC. FROM THE ARCHITECTURAL DRAWINGS, FIELD MEASUREMENTS, AND FROM THE EQUIPMENT TO BE FURNISHED. PIPING MAY BE RELOCATED OR OFFSET FOR PROPER CLEARANCES OR TO AVOID CONFLICTS WITH OTHER TRADES. THE DESIGN INTENT (I.E. PITCHES, VELOCITIES, PRESSURE DROPS, VOLTAGE TRADES, ETC.) CANNOT BE GREATLY ALTERED WITHOUT THE APPROVAL OF THE ARCHITECT. THE COST OF THESE DEVIATIONS TO AVOID INTERFERENCES SHALL BE PART OF THE ORIGINAL CONTRACT BID.
- CONFER AND COOPERATE WITH ALL OTHER TRADES TO COORDINATE THEIR WORK. COORDINATION SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO, MATERIALS AND EQUIPMENT ROUTED IN CEILING AND WALL CAVITIES, EQUIPMENT ARRANGEMENT IN MECHANICAL SPACES, INCLUDING EQUIPMENT CLEARANCE REQUIREMENTS, ELEVATIONS AND DIMENSIONS OF STRUCTURAL MEMBERS AND OPENINGS, ETC. NOTIFY THE ARCHITECT OF ANY CONFLICTS.
- BASE FINAL INSTALLATION OF MATERIALS AND EQUIPMENT ON ACTUAL DIMENSIONS AND CONDITIONS AT THE PROJECT SITE. FIELD MEASURE FOR MATERIALS AND EQUIPMENT REQUIRING EXACT FIT. NO EXTRAS WILL BE GIVEN FOR THE CONTRACTOR'S FAILURE TO FIELD COORDINATE.
- THE OWNER OR ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THE WORK.
- LOCATE ALL EQUIPMENT THAT MUST BE SERVICED, OPERATED, OR MAINTAINED IN FULLY ACCESSIBLE POSITIONS. EQUIPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO, VALVES, MOTORS, CONTROLLERS, SWITCHGEAR, AND DRAIN POINTS IF REQUIRED FOR BETTER ACCESSIBILITY. FURNISH ACCESS DOORS FOR THIS PURPOSE. MINOR DEVIATIONS FROM THE DRAWINGS MAY BE ALLOWED TO PROVIDE FOR BETTER ACCESSIBILITY. ANY CHANGES SHALL BE APPROVED BY THE ARCHITECT AND CONSTRUCTION MANAGER/GENERAL CONTRACTOR PRIOR TO MAKING THE CHANGE.
- PROVIDE ACCESS DOORS, WALL OPENINGS, ROOF OPENINGS, OR ANY OTHER CONSTRUCTION REQUIREMENT NEEDED TO ACCOMMODATE THE MECHANICAL EQUIPMENT. LOCATIONS OF THESE OPENINGS SHALL BE SUBMITTED IN SUFFICIENT TIME TO BE INSTALLED IN THE NORMAL COURSE OF WORK.
- COORDINATE ELECTRICAL REQUIREMENTS OF APPROVED MECHANICAL EQUIPMENT WITH THE ELECTRICAL SUB-CONTRACTOR PRIOR TO THE PURCHASE AND INSTALLATION OF ANY ELECTRICAL EQUIPMENT, DEVICES, WIRING, OR CONDUIT.
- PROVIDE GENERAL CONTROL WIRING, THERMOSTATS, MOTORIZED DAMPERS AND CONDUIT ASSOCIATED WITH HVAC EQUIPMENT. COORDINATE THE LOCATION OF ALL THERMOSTATS, ROOM SENSORS, ETC. WITH THE ARCHITECT AND ALL OTHER TRADES PRIOR TO INSTALLATION. IF A CONFLICT WITH MILLWORK, LIGHT SWITCHES, WINDOWS, ETC. EXISTS, NOTIFY THE ARCHITECT OF THE POTENTIAL INTERFERENCE PRIOR TO INSTALLATION. INSTALL THERMOSTATS WITH PROTECTIVE LOCKING COVER, CENTERED AT 4" ABOVE FINISHED FLOOR, UNLESS OTHERWISE INDICATED. COMPLY WITH THE PROVISIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE TEXAS ACCESSIBILITY'S STANDARD (TAS). COORDINATE ALL NEW HVAC CONTROLS WITH EXISTING RELIABLE CONTROLS AS PROVIDED BY TARRANT COUNTY VENDOR ENVIRONMENTAL SYSTEMS.
- ALL DIMENSIONS SHOWN ON THE DRAWINGS FOR DUCTWORK ARE NET INSIDE CLEAR DIMENSIONS. FOR RECTANGULAR DUCT, THE FIRST FIGURE OF THE DUCT SIZE INDICATES THE DIMENSION OF THE FACE SHOWN. VERIFY THAT THE DUCTWORK SPECIFIED WILL FIT IN THE SPACE AVAILABLE USING THE ARCHITECTURAL, STRUCTURAL, AND ELECTRICAL DRAWINGS AS REFERENCE PRIOR TO FABRICATION AND INSTALLATION. ROUND DUCT OF EQUAL NET INSIDE CLEAR AREA MAY BE USED IN LIEU OF RECTANGULAR DUCT.
- PROVIDE TURNING VANES ON ALL RECTANGULAR SUPPLY, EXHAUST, AND RETURN DUCTWORK INCLUDING THE TOP AND BOTTOM OF VERTICAL DUCTS UNLESS OTHERWISE INDICATED.
- PROVIDE A LOCKING QUADRANT VOLUME DAMPER AT THE TOP OF EACH RUN-OUT TO DIFFUSERS FOR BALANCING PURPOSES, UNLESS OTHERWISE INDICATED. THE RUN-OUT DUCT SIZE IS THE SAME SIZE AS THE DIFFUSER OR GRILLE NECK SIZE, UNLESS OTHERWISE INDICATED.
- CEILING SPACE IS NEEDED AS A RETURN AIR PLENUM IN CERTAIN AREAS. FOLLOW ALL APPLICABLE CODES AS TO MATERIALS ALLOWED FOR USE IN AIR PLENUMS. COORDINATE ALL WORK TO PROVIDE FREE RETURN OF AIR FROM ALL LOCATIONS.
- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF ALL FIRE RATED WALLS AND CEILINGS. PROVIDE FIRE DAMPERS AND/OR COMBINATION FIRE/SMOKE DAMPERS IN DUCTWORK AT ALL LOCATIONS WHERE DUCTS PASS THROUGH FIRE RATED ASSEMBLY. MECHANICAL SUB-CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING FIRE AND FIRE/SMOKE DAMPERS. COORDINATE CONSTRUCTION REQUIREMENTS AND PROVISIONS FOR CONNECTIONS TO FIRE ALARM SYSTEM.
- ALL DUCTWORK SHALL BE SHEET METAL FABRICATED IN ACCORDANCE WITH SMACNA STANDARDS. ALL DUCTWORK ASSOCIATED WITH CONSTANT VOLUME SYSTEMS SHALL BE CONSTRUCTED TO 2" W.G. AND SEALED TO SMACNA CLASS A. SEAL ALL SEAMS WITH MASTIC SEALANT UL 181 LISTED FOR THE APPLICATION USED. SEALANT SHALL BE DESIGNED FOR USE ON METAL DUCT AND FLEXIBLE DUCT.
- ALL DUCTWORK SHALL BE SHEET METAL FABRICATED IN ACCORDANCE WITH SMACNA STANDARDS. SEAL ALL SEAMS WITH MASTIC SEALANT UL 181 LISTED FOR THE APPLICATION USED. SEALANT SHALL BE DESIGNED FOR USE ON METAL DUCT AND FLEXIBLE DUCT.
- SEAL ALL PIPE AND DUCT PENETRATIONS THROUGH FIRE RATED BUILDING ELEMENTS WITH AN APPROVED FIRE PROOFING MATERIAL.
- EXPAND OR REDUCE DUCTS AT EQUIPMENT CONNECTIONS BASED ON THE EQUIPMENT PURCHASED, WITH TRANSITIONS NOT TO EXCEED 30 DEGREES. SIZES SHOWN ON SCHEDULES, ETC. ARE FOR GUIDANCE ONLY. ASPECT RATIO SHALL BE NO GREATER THAN 4:1, PER SMACNA'S GUIDELINES.
- ALL DUCTS WITH A DIMENSION GREATER THAN 12" PASSING THRU A NON-RATED WALL SHALL HAVE THE OPENING FRAMED IN WITH METAL STUDS. COORDINATE OPENING SIZE AND LOCATION WITH OTHER TRADES.
- PROVIDE ALL CEILING RETURN GRILLES WITH RETURN SOUND ATTENUATOR AS DETAILED. RE:4/M6.01
- TEST AND BALANCE SHALL BE PERFORMED BY AN AABC LICENSED FIRM IN THE TESTING, ADJUSTING, AND BALANCING (TAB) BUSINESS FOR A MINIMUM OF 10 YEARS. AABC FIRM SHALL SUBMIT A REPORT TO THE ENGINEER OF RECORD INDICATING EQUIPMENT NAMEPLATE DATA, DESIGN PERFORMANCE, INITIAL TESTED PERFORMANCE, AND FINAL ADJUSTED PERFORMANCE. REPORT SHALL BE SUBMITTED IN A TIMELY FASHION PRIOR TO JOB CLOSE-OUT. TAB SHALL BE PERFORMED ON ALL NEW SYSTEMS SPECIFIED AND ON ALL EXISTING SYSTEMS MODIFIED AS PART OF THIS CONTRACT. TAB FIRM SHALL PERFORM A FUNCTIONAL PERFORMANCE TEST OF THE SYSTEM BASED ON THE CONTRACT DOCUMENTS HEREIN AND SHALL RELAY ALL DISCREPANCIES AND OUTSTANDING CONSTRUCTION ITEMS RELATING TO THE MECHANICAL EQUIPMENT AND PERFORMANCE TO THE ENGINEER OF RECORD.
- ALL DUCTWORK SHALL BE SHEET METAL FABRICATED IN ACCORDANCE WITH SMACNA STANDARDS. SEAL ALL SEAMS WITH MASTIC SEALANT UL 181 LISTED FOR THE APPLICATION USED. SEALANT SHALL BE DESIGNED FOR USE ON METAL DUCT AND FLEXIBLE DUCT.

SYMBOLS

SYMBOL	DESCRIPTION
	SUPPLY AIR DUCT UP (POSITIVE PRESSURE)
	RETURN AIR DUCT UP (NEGATIVE PRESSURE)
	EXHAUST AIR DUCT UP (NEGATIVE PRESSURE)
	SUPPLY AIR DUCT DN (POSITIVE PRESSURE)
	RETURN AIR DUCT DN (NEGATIVE PRESSURE)
	EXHAUST AIR DUCT DN (NEGATIVE PRESSURE)
	ROUND SUPPLY AIR DUCT UP (POSITIVE PRESSURE)
	ROUND RETURN AIR DUCT UP (NEGATIVE PRESSURE)
	ROUND EXHAUST AIR DUCT UP (NEGATIVE PRESSURE)
	ROUND SUPPLY AIR DUCT DN (POSITIVE PRESSURE)
	ROUND RETURN AIR DUCT DN (NEGATIVE PRESSURE)
	ROUND EXHAUST AIR DUCT DN (NEGATIVE PRESSURE)
	RECTANGULAR DUCT SQUARE ELBOW WITH TURNING VANES
	RECTANGULAR DUCT RADIUS ELBOW
	ROUND DUCT RADIUS ELBOW
	TRANSITION CONCENTRIC UNLESS TOP LEVEL (TOP LVL) OR BOTTOM LEVEL (BOT LVL) IS NOTED
	TRANSITION, RECTANGULAR TO ROUND CONCENTRIC UNLESS TOP LEVEL (TOP LVL) OR BOTTOM LEVEL (BOT LVL) IS NOTED
	FLEXIBLE DUCT CONNECTION
	SOUND ATTENUATOR
	SQUARE CEILING DIFFUSER (SUPPLY) (4-WAY UNLESS OTHERWISE INDICATED)
	SQUARE CEILING GRILLE (RETURN)
	SQUARE CEILING GRILLE (EXHAUST)
	THERMOSTAT (OR) TEMP SENSOR
	DUCT SPLITTER WITH DAMPER
	MOTORIZED DAMPER
	MANUAL VOLUME DAMPER
	FIRE DAMPER
	FIRE SMOKE DAMPER

DRAWING/DETAIL REFERENCE



BASIS OF MECHANICAL DESIGN

PRIMARY MECHANICAL CODES:
 MECHANICAL: 2018 INTERNATIONAL MECHANICAL CODE (WITH CITY AMENDMENTS).
 ENERGY: 2018 INTERNATIONAL ENERGY CODE (WITH CITY AMENDMENTS).

PROJECT DESIGN VALUES:
 OUTDOOR DESIGN TEMPERATURE (SUMMER): 99°F (DRYBULB), 77°F (WETBULB)
 AMBIENT TEMPERATURE AT CONDENSING UNITS: 105°F (DRYBULB, SUMMER)
 OUTDOOR DESIGN TEMPERATURE (WINTER): 22°F (DRYBULB)
 INDOOR DESIGN TEMPERATURE (SUMMER): 75°F (DRYBULB), 50% (RELATIVE HUMIDITY)
 INDOOR DESIGN TEMPERATURE (WINTER): 72°F (DRYBULB)
 OUTSIDE AIR REQUIREMENTS: PER IMC TABLE 403.3

ABBREVIATIONS

A/C	AIR CONDITIONING UNIT	KW	KILOWATT
A/E	ARCHITECT/ENGINEER	L	LENGTH
AD	ACCESS DOOR	LAT	LEAVING AIR TEMPERATURE
AFF	ABOVE FINISHED FLOOR	LB	POUNDS
AFS	AIR FLOW SWITCH	LPC	LOW PRESSURE CONDENSATE
AHU	AIR HANDLING UNIT	LPS	LOW PRESSURE STEAM
APPROX	APPROXIMATE	LRA	LOCKED ROTOR AMPS
BAS	BUILDING AUTOMATION SYSTEM	LWT	LEAVING WATER TEMPERATURE
BHP	BRAKE HORSE POWER	MAX	MAXIMUM
BTU	BRITISH THERMAL UNIT PER HOUR	MBH	1000 BRITISH THERMAL UNITS / HOUR
C/A	COMBUSTION AIR	MCA	MINIMUM CIRCUIT AMPACITY
CC	COOLING COIL	MFR	MANUFACTURER
CFM	CUBIC FEET PER HOUR	MIN	MINIMUM
CFM	CUBIC FEET PER MINUTE	N/A	NOT APPLICABLE
CLG	CEILING	N/C	NORMALLY CLOSED
CU	CONDENSING UNIT	N/O	NORMALLY OPEN
D	EQUIPMENT DRAIN	O/A	OUTSIDE AIR/FRESH AIR
DB	DRY BULB	O/C	ON CENTER
DEG	DEGREES	OPD	OPPOSED BLADE DAMPER
DN	DOWN	PEF	PURGE EXHAUST FAN
(E)	EXISTING	PH	PHASE
E/A	EXHAUST AIR	PROVIDE	FURNISH AND INSTALL
EAT	ENTERING AIR TEMPERATURE	PRV	PRESSURE REDUCING VALVE
EDH	ELECTRIC DUCT HEATER	PSI	POUNDS PER SQUARE INCH
EF	EXHAUST FAN	R/A	RETURN AIR
ELL	ELBOW	REF	REFERENCE, REFER
EQUIP	EQUIPMENT	RL	REFRIGERANT LIQUID
EWT	ENTERING WATER TEMPERATURE	RLA	RUNNING LOAD AMPS
°F	DEGREES FAHRENHEIT	RM	ROOM
FCU	FAN COIL UNIT	RPM	REVOLUTIONS PER MINUTE
FD	FIRE DAMPER	RS	REFRIGERANT SUCTION
FLA	FULL LOAD AMPS	S/A	SUPPLY AIR
FLR	FLOOR	SD	SMOKE DETECTOR
FPVAV	FAN POWERED VAV	SF	SQUARE FOOT, SUPPLY FAN
FSD	FIRE SMOKE DAMPER	SPECS	SPECIFICATIONS
FT.	FOOT, FEET	T, TSTAT	THERMOSTAT OR ROOM SENSOR
FT. WG	FEET WATER GAUGE	T/A	TRANSFER AIR
GA	U.S. GAUGE	THRU	THROUGH
GPM	GALLONS PER MINUTE	TSP	TOTAL STATIC PRESSURE
H	HEIGHT	TYP	TYPICAL
HP	HORSEPOWER	UH	UNIT HEATER
HPC	HIGH PRESSURE CONDENSATE	UL	UNDERWRITERS LABORATORIES, INC.
HPS	HIGH PRESSURE STEAM	V	VOLTS
HWR	HEATING WATER RETURN	VAV	VARIABLE AIR VOLUME
HWS	HEATING WATER SUPPLY	VEL	VELOCITY
HZ	HERTZ	VFD	VARIABLE FREQUENCY DRIVE
IN.	INCH, INCHES	W	WITH
IN. WG	INCHES WATER GAUGE	WO	WITHOUT
J-BOX	JUNCTION BOX	WB	WET BULB

MISCELLANEOUS

- DRAWING NOTE REFERENCE (I.E., NOTES BY SYMBOL)
- CONNECTION INTO EXISTING

DEMOLITION WORK NOTES

- GENERAL**
- EXISTING WORK SHOWN ON PLANS IS FROM PREVIOUS ENGINEERING DOCUMENTS AND FIELD OBSERVATIONS. ACTUAL CONDITIONS MAY VARY. FIELD VERIFY EXISTING WORK AND MAKE MINOR ADJUSTMENTS NECESSARY TO COMPLETE WORK. IF EXISTING CONDITIONS PROHIBIT WORK, NOTIFY THE ARCHITECT FOR DIRECTION, AS REQUIRED.
 - WHERE EXISTING EQUIPMENT OR DUCTWORK IS LOCATED SUCH THAT IT IS ALONG THE TOP OF NEW WALLS TO DECK, IT SHALL BE RELOCATED. COORDINATE SUCH WORK WITH OTHER TRADES. RELOCATED EQUIPMENT SHALL BE TO A LOCATION THAT ALLOWS ACCESS FOR PERIODIC SERVICING AND REPAIR.
 - COORDINATE WITH ALL TRADES FOR REQUIRED CEILING REMOVAL IN EXISTING BUILDING. NOTIFY THE ARCHITECT AND OWNER PRIOR TO COMMENCING REMOVAL. REMOVE ONLY THAT PORTION OF THE CEILING NECESSARY TO ACCESS AND COMPLETE THE WORK. UPON COMPLETION OF THE ABOVE CEILING WORK, CEILING IS TO BE REINSTALLED. REPLACE ANY DAMAGED CEILING TILES WITH NEW TILES TO MATCH EXISTING.
 - DEMOLITION SHALL EXTEND TO POINTS OF CONNECTION WITH LIVE SERVICES (PANELBOARDS, PIPING MAINS, ETC.). DEMOLITION SHALL NOT PERMIT ABANDONMENT OF ANY PORTION OF ANY SYSTEM UNLESS SPECIFICALLY NOTED AS "ABANDON IN PLACE" OR "TO REMAIN".
 - DEMOLITION SHALL INCLUDE EQUIPMENT, PIPING, DUCTWORK, SUPPORTS, FITTINGS, ACCESSORIES, CONTROLS, WIRING, CONDUIT, ETC. IN THEIR ENTIRETY UNLESS OTHERWISE NOTED.
 - VERIFY THE CONDITION OF ALL EXISTING EQUIPMENT WITHIN THE PROJECT SCOPE, EXACT SIZES OF EXISTING DUCT AND PIPING, ETC. BEFORE COMMENCING DEMOLITION WORK. REPORT ANY DISCREPANCIES BETWEEN PLANS AND ACTUAL FIELD CONDITIONS TO ARCHITECT PRIOR TO THE COMMENCEMENT OF DEMOLITION WORK.
 - PATCH OPENINGS IN WALLS TO MAINTAIN THE INTEGRITY OF THE WALL WHERE AIR DEVICES HAVE BEEN REMOVED. REFER TO ARCHITECTURAL DRAWINGS/SPECIFICATIONS FOR ADDITIONAL INSTRUCTIONS.
 - THE LOCATION OF EXISTING UNDERGROUND UTILITIES IS SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR SHALL PAY FOR AND REPAIR ALL DAMAGES CAUSED BY FAILURE TO LOCATE AND PRESERVE UNDERGROUND UTILITIES.
- EQUIPMENT**
- THE FOLLOWING MUST BE COORDINATED WITH TARRANT COUNTY PURCHASING PRIOR TO ACTION: THE OWNER HAS THE FIRST RIGHT-OF-REFUSAL FOR ALL DEMOLISHED EQUIPMENT. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND PROPER DISPOSAL OF ANY EQUIPMENT REFUSED BY THE OWNER.
 - THE FOLLOWING MUST BE COORDINATED WITH TARRANT COUNTY PURCHASING PRIOR TO ACTION: ALL REMOVED EQUIPMENT SHALL BE MAINTAINED IN GOOD CONDITION. REMOVED EQUIPMENT NOT INDICATED FOR RE-USE SHALL REMAIN THE PROPERTY OF THE OWNER. REMOVE THE EQUIPMENT AND DELIVER IT TO THE OWNER. SHOULD THE OWNER DECLINE THE POSSESSION OF THE REMOVED EQUIPMENT, IT SHALL BECOME THE PROPERTY OF THE CONTRACTOR FOR REMOVAL FROM SITE.
 - WHEN ALL CONSTRUCTION IS COMPLETE INSTALL NEW, CLEAN PRE-/POST-FILTERS IN AIR UNITS SERVING THE RENOVATED AREAS. VERIFY CONDITION OF UNIT FILTER GAUGES AND REPAIR OR REPLACE IF FOUND TO BE DAMAGED OR NON-FUNCTIONAL. THE REFRIGERANT FORM IS AVAILABLE TO THE CONTRACTOR FROM TARRANT COUNTY FACILITIES MANAGEMENT BUILDING SERVICES.
 - FOR ALL EQUIPMENT TO BE DEMOLISHED, RECLAIM REFRIGERANT PRIOR TO DEMO OR REMOVAL OF EQUIPMENT IN ACCORDANCE WITH LOCAL AHJ REQUIREMENTS AND US EPA REGULATIONS. REFRIGERANT RECLAIMER MUST BE CERTIFIED BY THE EPA.
- DUCTWORK**
- CAP AND SEAL AIR TIGHT ALL POINTS AT WHICH DUCTWORK IS REMOVED FROM DUCTWORK THAT WILL REMAIN. RE-INSULATE REMAINING DUCTWORK TO MAINTAIN VAPOR BARRIER.
 - TAKE AIR FLOW READINGS ON EACH FAN INLET, OUTSIDE AIR INTAKE, AND SUPPLY AIR FAN DISCHARGE, PRIOR TO DEMOLITION WORK. RECORD AND SUBMIT TO ARCHITECT/ENGINEER.
 - TAKE AIR READINGS OF ALL GRILLES, REGISTERS, AND DIFFUSERS IN PROJECT AREAS PRIOR TO DEMOLITION. RECORD AND SUBMIT TO ARCHITECT/ENGINEER.
 - VERIFY CLEARANCE REQUIREMENTS AND INDICATE ROUTING OF NEW DUCTWORK BEFORE FABRICATION BEGINS AS RISES AND DROPS MAY BE NECESSARY DUE TO EXISTING FIELD CONDITIONS.
- CONTROLS**
- DEMOLITION AND/OR RELOCATION OF CONTROLS FOR EQUIPMENT SHALL INCLUDE, BUT NOT BE LIMITED TO:
 SPACE AND DUCT THERMOSTATS;
 SPACE AND DUCT TEMPERATURE/HUMIDITY SENSORS;
 SMOKE DETECTORS, FIRE-STATS, FREEZE-STATS, AND OTHER SAFETY OR LIMITING DEVICES;
 RTU AND EXISTING CONTROL SYSTEMS CONTROL PANELS.
 - VERIFY CONDITION OF ALL EXISTING LIFE SAFETY DEVICES (FIRE DAMPERS, DUCT DETECTORS, ETC.) THAT ARE TO REMAIN AND ARE WITHIN LIMITS OF CONSTRUCTION. REPAIR OR REPLACE IF FOUND TO BE DAMAGED OR NON-FUNCTIONAL.

AIR DEVICE SCHEDULE							
MARK	SERVES	NECK SIZE	FACE SIZE	MOUNTING	TYPE	MANUFACTURER AND MODEL NO.	REMARKS
A	SUPPLY	8"	24" X 24"	SURFACE	LOUVERED	TITUS TDC	1,2,3,4,5,6,7
B	SUPPLY	8"	24" X 24"	LAY-IN	LOUVERED	TITUS TDC	1,2,3,4,5,6,7
C	EXHAUST	VARIABLES	12" X 8"	SURFACE	PERFORATED	TITUS PAR	1,2,3,5,6,7
D	EXHAUST	8"	24" X 24"	LAY-IN	PERFORATED	TITUS PAR	1,2,3,5,6,7
E	RETURN	8"	24" X 24"	LAY-IN	PERFORATED	TITUS PAR	1,2,3,6,7,8

- UNITS SHALL BE FURNISHED WITH APPROPRIATE FRAMES, ETC. FOR MOUNTING IN RESPECTIVE CEILING/WALL TYPES AND CONDITIONS
- WHITE FINISH
- OR APPROVED EQUAL
- FOUR-WAY THROW UNLESS OTHERWISE INDICATED ON PLAN
- TRANSITION FROM BACK OF GRILLE TO DUCT SIZE SHOWN
- 18" X 18" FACE SIZE. FOR 24" X 24" LAY-IN MODULE SIZE
- PROVIDE ALUMINUM DIFFUSER/GRILLE. REFER TO PLANS FOR LOCATION
- PROVIDE RETURN AIR SOUND ATTENUATOR. REFER TO DETAIL 4/M6.01 FOR MORE INFORMATION.

100% BID SUBMITTAL

KOMATSU ARCHITECTURE

CHAD LEVERITT
 LICENSED PROFESSIONAL ENGINEER
 102203

SHERIFF'S OFFICE RECRUITMENT ACADEMY RESTROOM REMODEL
 TARRANT COUNTY RESOURCE CENTER
 1500 CIRCLE DR., SUITE 200 FORT WORTH, TEXAS 76119

MECHANICAL NOTES, LEGEND AND SCHEDULES

SYMBOL	DESCRIPTION	DATE	APPROVED

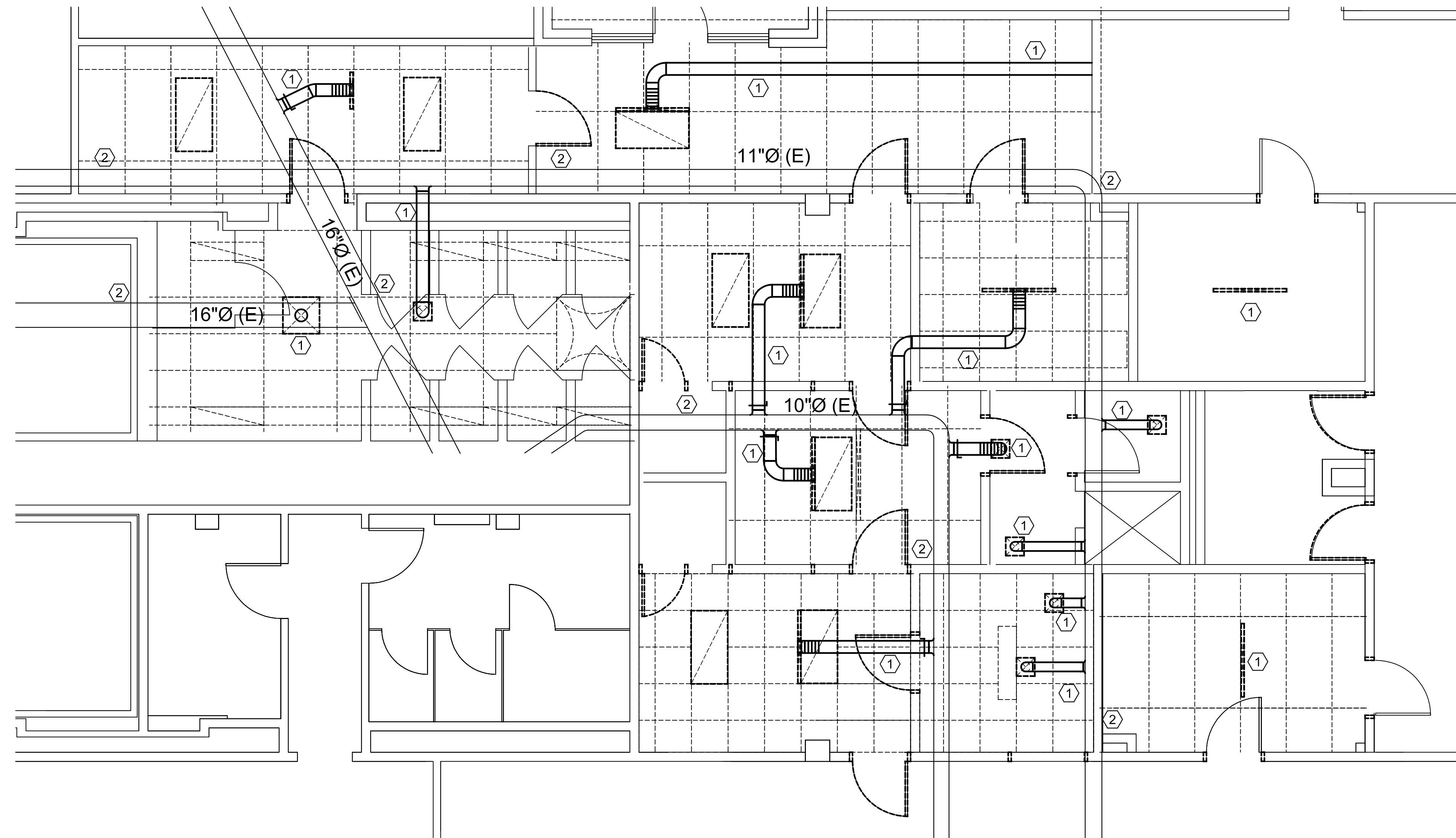
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 SCALE:
 KAI JOB NUMBER: 2017.501
 DATE: 01/20/2023

M0.01

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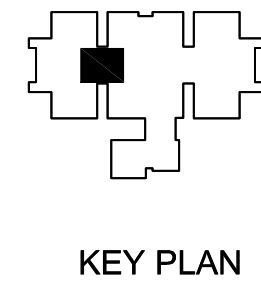
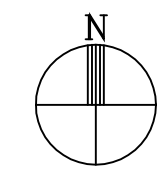
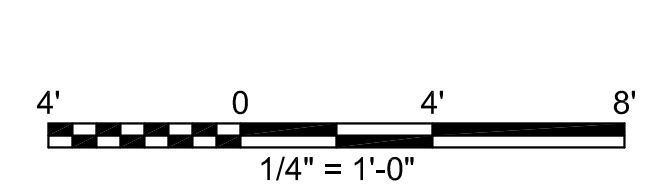
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 Texas BPE Registration # F-207

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 4144 N. Central Expressway Suite 635 Dallas, Texas 75204
 Office 817.878.4242 Office 214.420.9111
 www.summitmep.com



- | GENERAL NOTES | |
|---------------|--|
| 1. | ALL MAIN DUCTWORK TO BE PRESERVED. ALL BRANCH DUCTWORK AND DIFFUSERS TO BE DEMOLISHED. |
| 2. | NO EXISTING MEP DRAWINGS WERE PROVIDED. DUCTWORK IS BASED OFF APPROXIMATE LOCATIONS FROM SITE VISITS. CONTRACTOR TO NOTIFY ENGINEER IF ANY MAJOR DISCREPANCIES OCCUR PRIOR TO DEMOLITION WORK. |
-
- | NOTES BY SYMBOL "#" | |
|---------------------|------------------------------|
| ① | TO BE DEMOLISHED. |
| ② | EXISTING DUCTWORK TO REMAIN. |

1 DEMOLISHED MECHANICAL FLOOR PLAN
 M1.0 SCALE: 1/4" = 1'-0"



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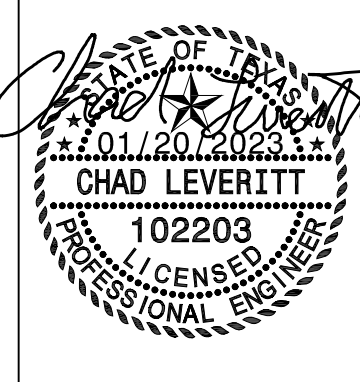
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SYMBOL	DESCRIPTION	DATE	APPROVED

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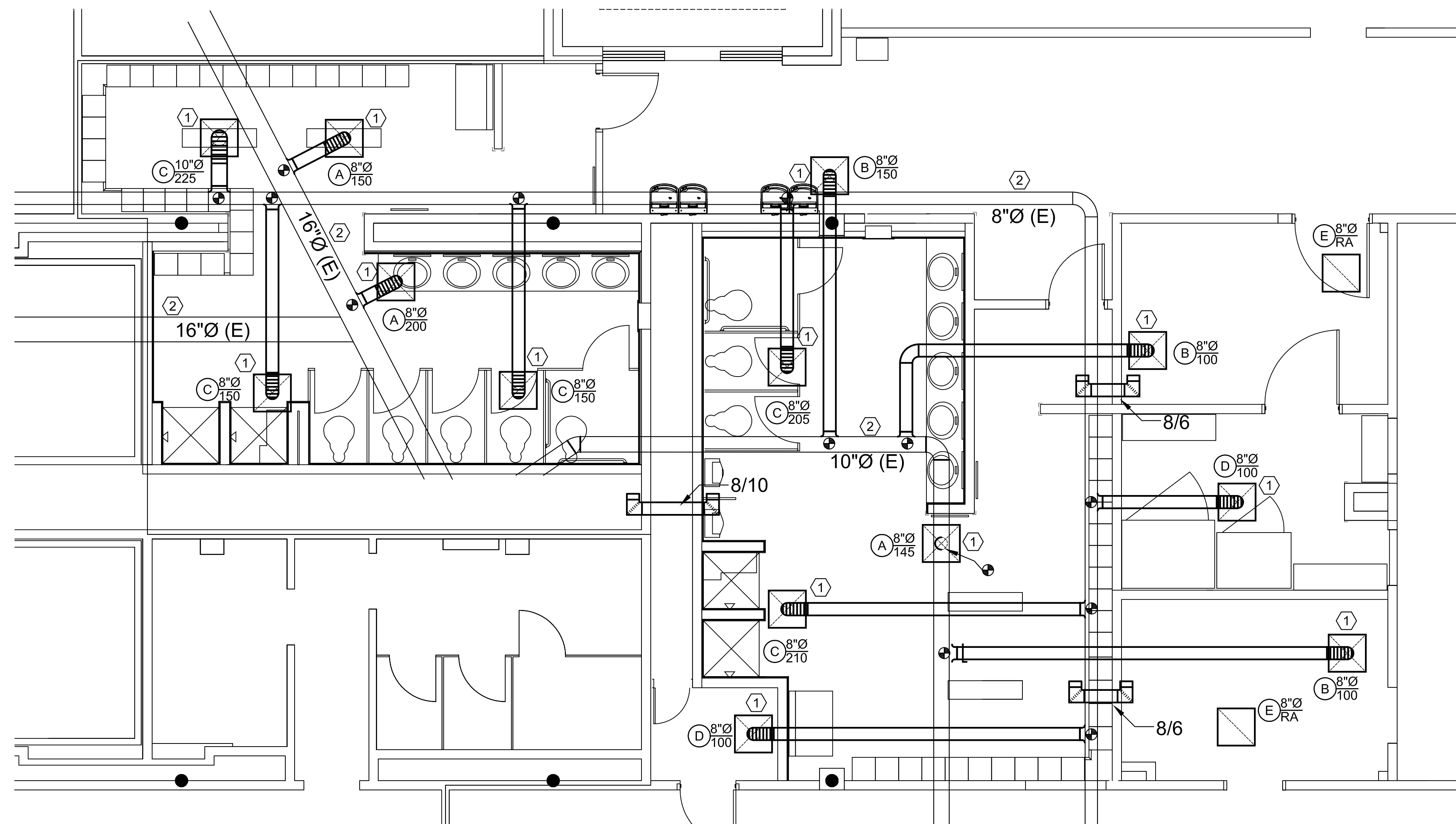


SHERIFF'S OFFICE RECRUITMENT ACADEMY RESTROOM REMODEL
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DEMOLISHED MECHANICAL FLOOR PLAN

SHEET SIZE	22X34 ANSI D
SCALE:	
KAI JOB NUMBER:	2017.501
DATE:	01/20/2023

M1.01

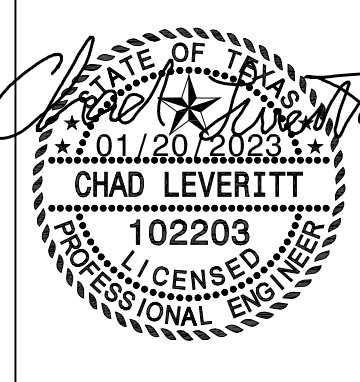


1 PROPOSED MECHANICAL FLOOR PLAN
 M2.1 SCALE: 1/4" = 1'-0"

- | NOTES BY SYMBOL "Ⓜ" | |
|---------------------|---|
| ① | PROVIDE BALANCING DAMPER AT AIR DEVICE. |
| ② | EXISTING DUCTWORK TO REMAIN. |
-
- | GENERAL NOTES | |
|---------------|---|
| 1. | PROVIDE RETURN AIR SOUND ATTENUATOR FOR ALL RETURN GRILLES. REFER TO DETAIL 4/M6.01 FOR MORE INFORMATION. |

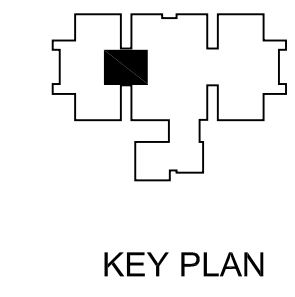
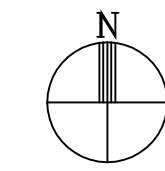
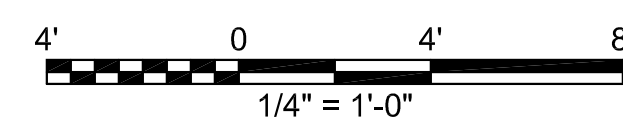
SYMBOL	DESCRIPTION	DATE	APPROVED

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SHERIFF'S OFFICE RECRUITMENT ACADEMY RESTROOM REMODEL
 TARRANT COUNTY RESOURCE CENTER
 1500 CIRCLE DR., SUITE 200 FORT WORTH, TEXAS 76119
 PROPOSED MECHANICAL FLOOR PLAN

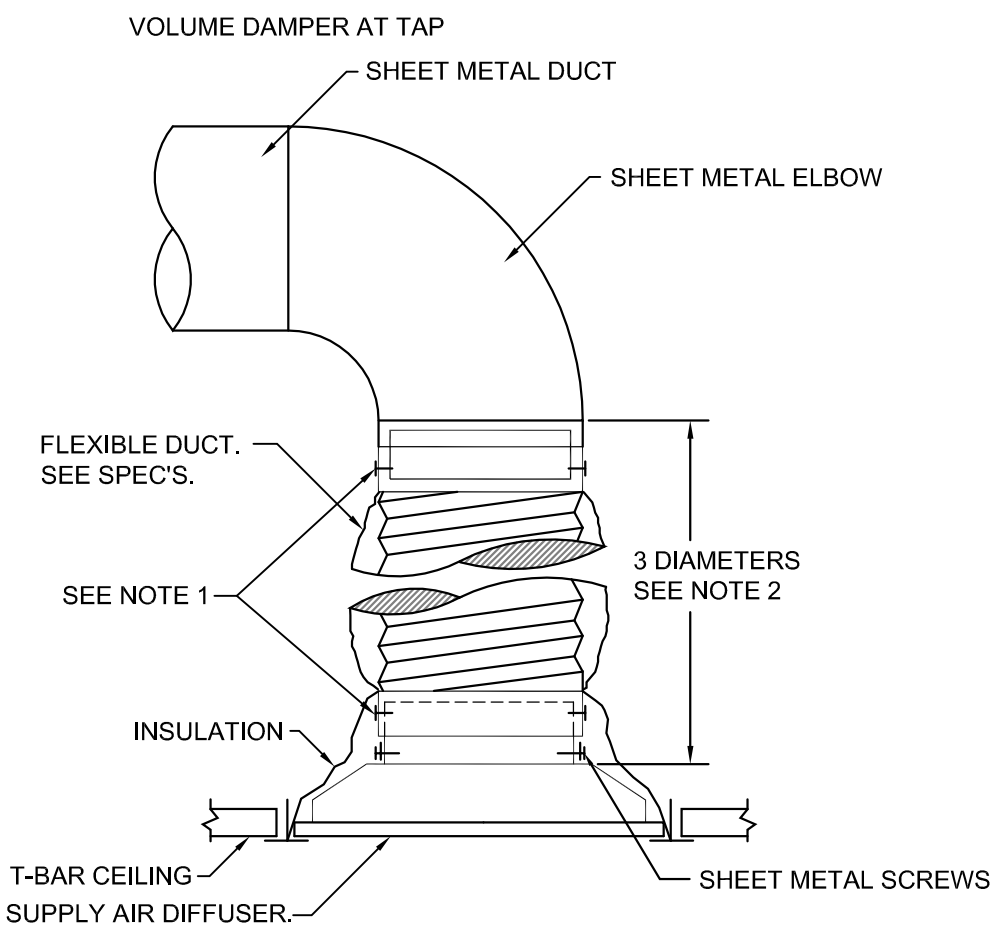
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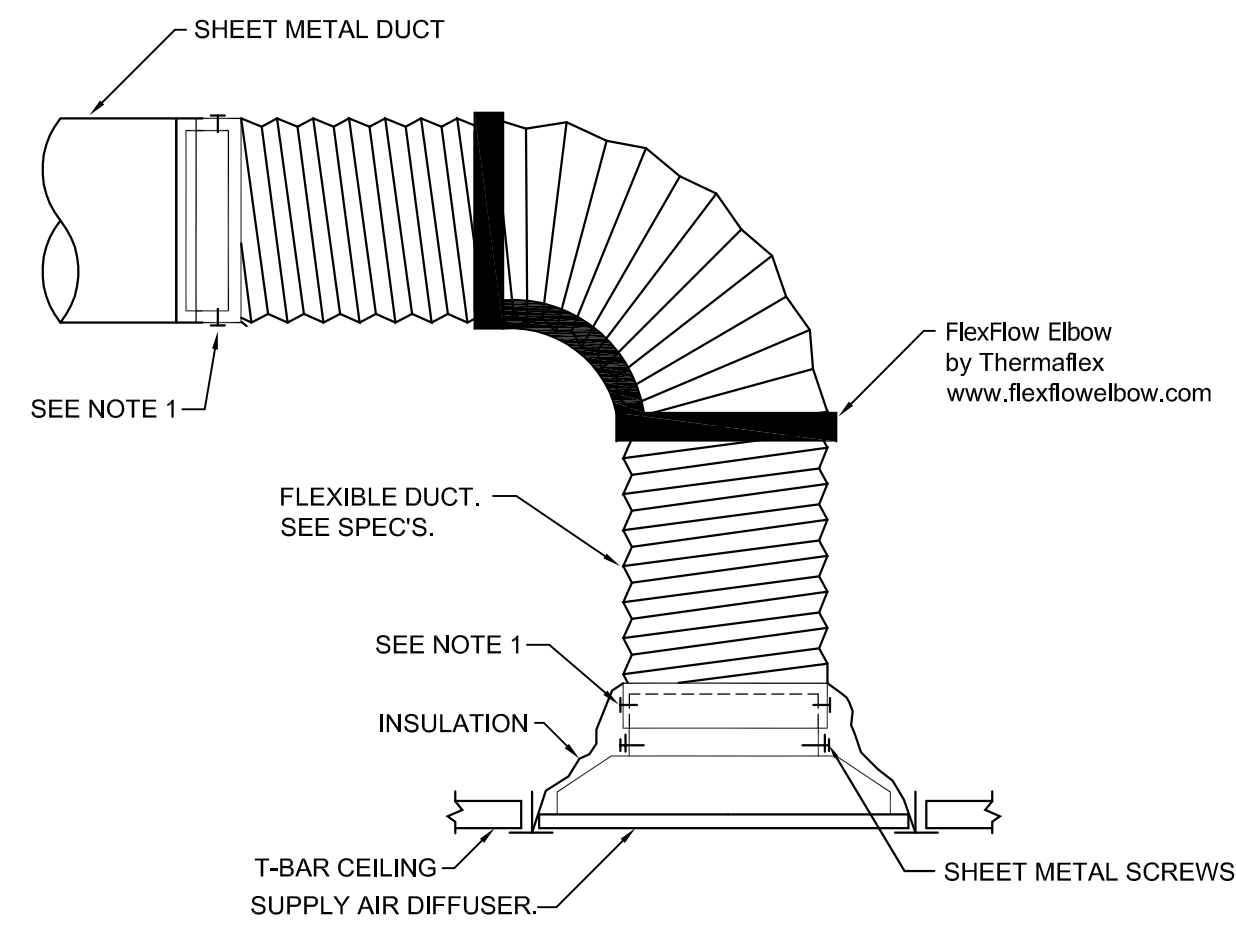
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SCALE:	
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DATE:	01/20/2023

M2.01



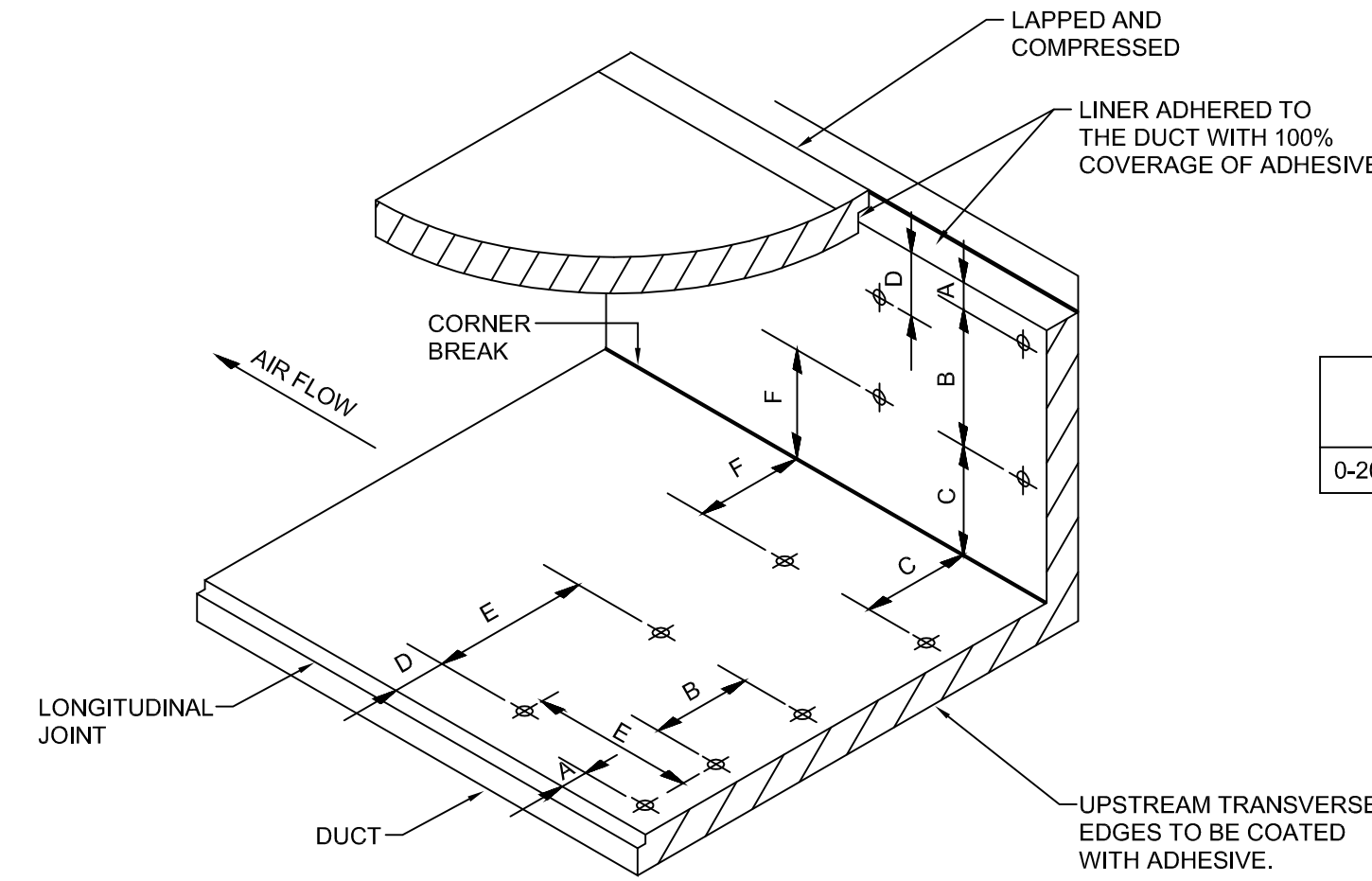
- NOTES:
1. USE PLENUM COLLARS TO ATTACH FLEXIBLE DUCT. USE SHEET METAL SCREWS AND (2) WRAPS OF TAPE TO SECURE PLENUM COLLARS. ALTERNATE METHOD: BANDING DEVICE OR PANDUIT STRAP, IN LIEU OF SHEET METAL SCREWS. ALL TAPES AND SEALING MATERIALS SHALL COMPLY WITH UL181A FOR RIGID DUCT AND UL181B FOR FLEXIBLE DUCT.
 2. SECURE SHEET METAL DROP TO DIFFUSER NECK WITH A MIN. OF (3) SHEET METAL SCREWS AND (2) FULL WRAPS OF TAPE PER UL REQUIREMENTS LISTED IN NOTE 1.
 3. ALL FLEX DUCT SHALL BE INSTALLED WITHOUT KINKS, SAGGING, OR SHORT-RADIUS BENDS.
 4. MAXIMUM OF 5 FEET OF FLEXIBLE DUCTWORK TO MAKE FINAL CONNECTION TO DIFFUSER.

1 TYPICAL FLEXDUCT CONNECTIONS
SCALE: NO SCALE



- NOTES:
1. USE PLENUM COLLARS TO ATTACH FLEXIBLE DUCT. USE SHEET METAL SCREWS AND (2) WRAPS OF TAPE TO SECURE PLENUM COLLARS. ALTERNATE METHOD: BANDING DEVICE OR PANDUIT STRAP, IN LIEU OF SHEET METAL SCREWS. ALL TAPES AND SEALING MATERIALS SHALL COMPLY WITH UL181A FOR RIGID DUCT AND UL181B FOR FLEXIBLE DUCT.
 2. IF A MINIMUM OF 2 DIAMETERS OF STRAIGHT RUN IS NOT AVAILABLE ABOVE THE REGISTER USE HARD DUCT SHORT RADIUS CONNECTION.
 3. ALL FLEX DUCT SHALL BE INSTALLED WITHOUT KINKS, SAGGING, OR SHORT-RADIUS BENDS.
 4. MAXIMUM OF 5 FEET OF FLEXIBLE DUCTWORK TO MAKE FINAL CONNECTION TO DIFFUSER.

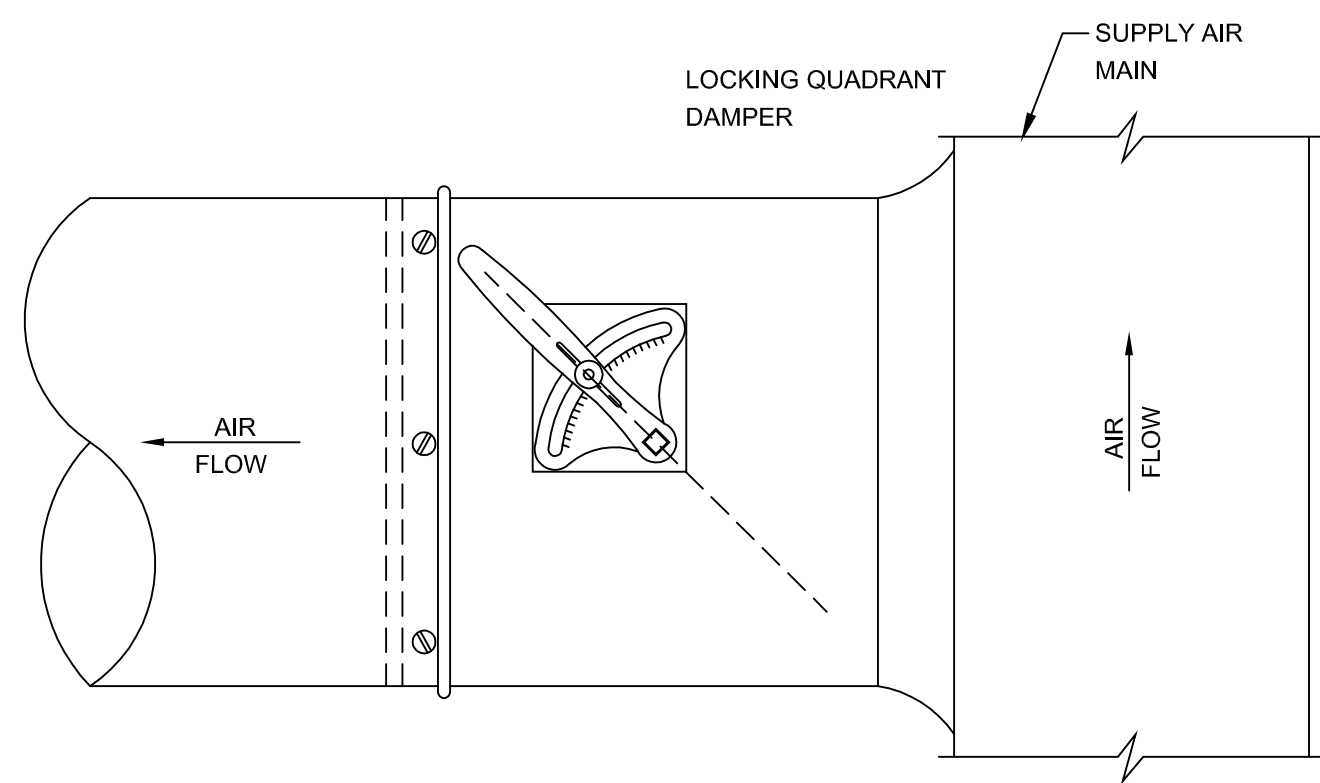
2 TYPICAL FLEXIBLE DUCT LINER INSTALLATION DETAIL
SCALE: NO SCALE



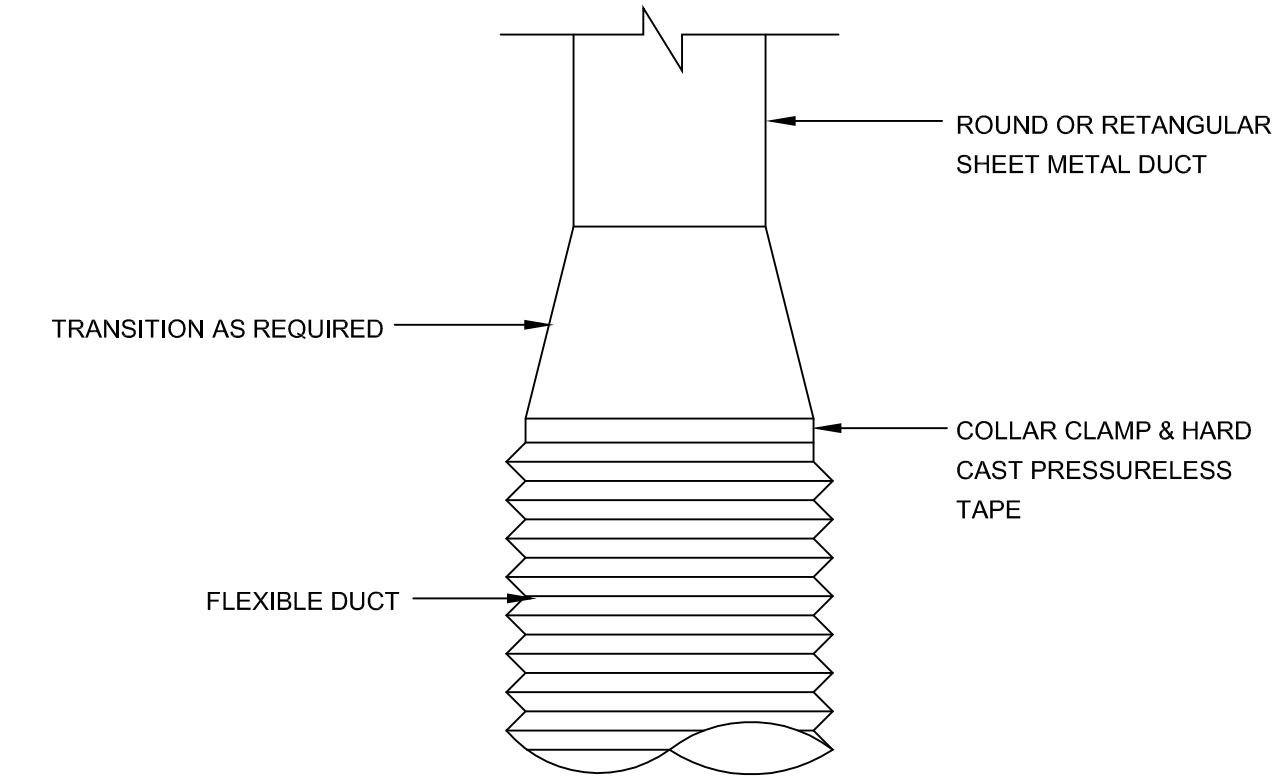
MAXIMUM SPACING FOR FASTENERS USED WITH FLEXIBLE DUCT LINER.

VELOCITY	UPSTREAM EDGE			MID-SECTION		
	A	B	C	D	E	F
0-2000 F.P.M.	3"	12"	12"	6"	18"	12"

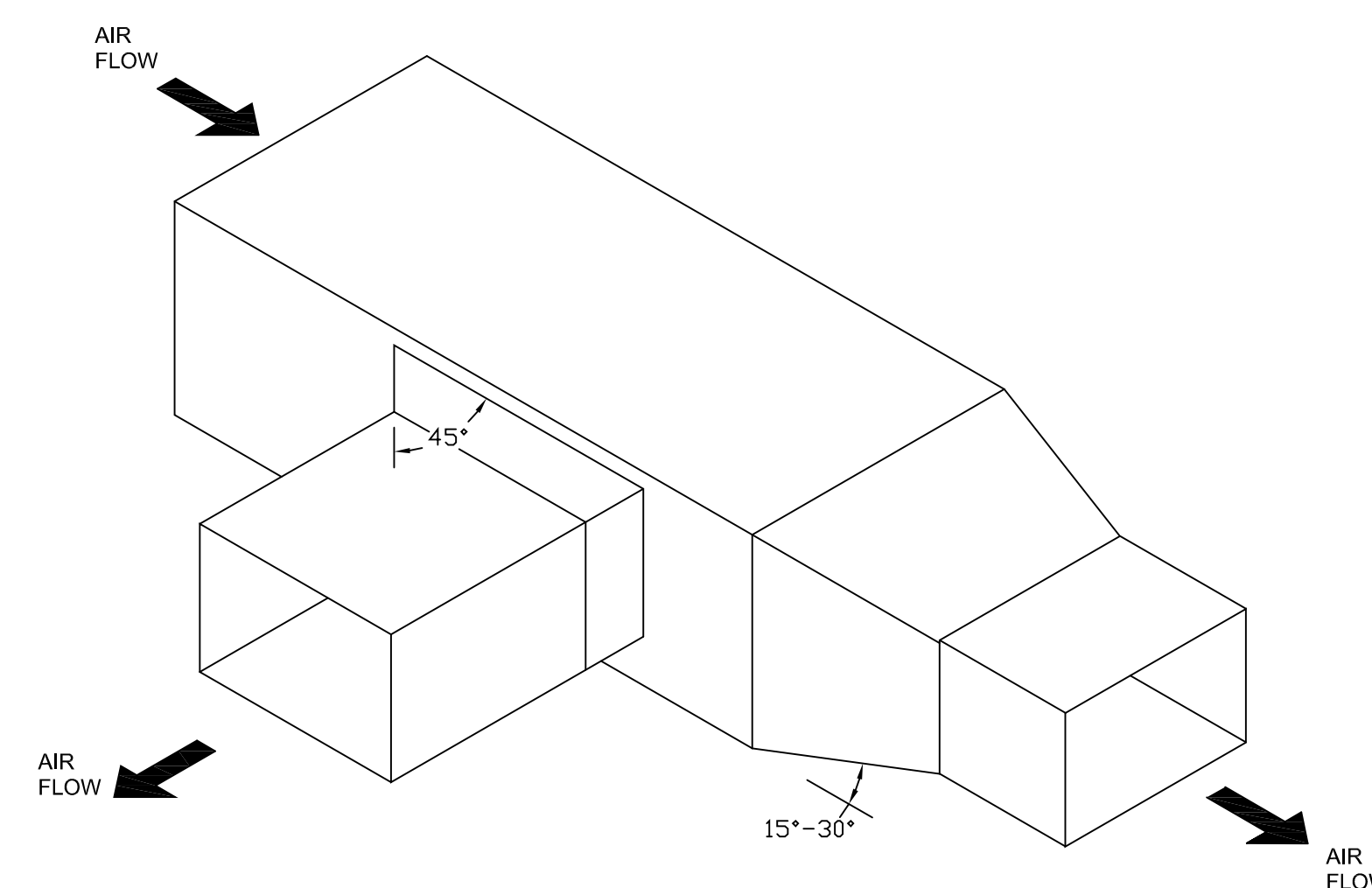
3 TYPICAL CONICAL TAP DETAIL
SCALE: NO SCALE



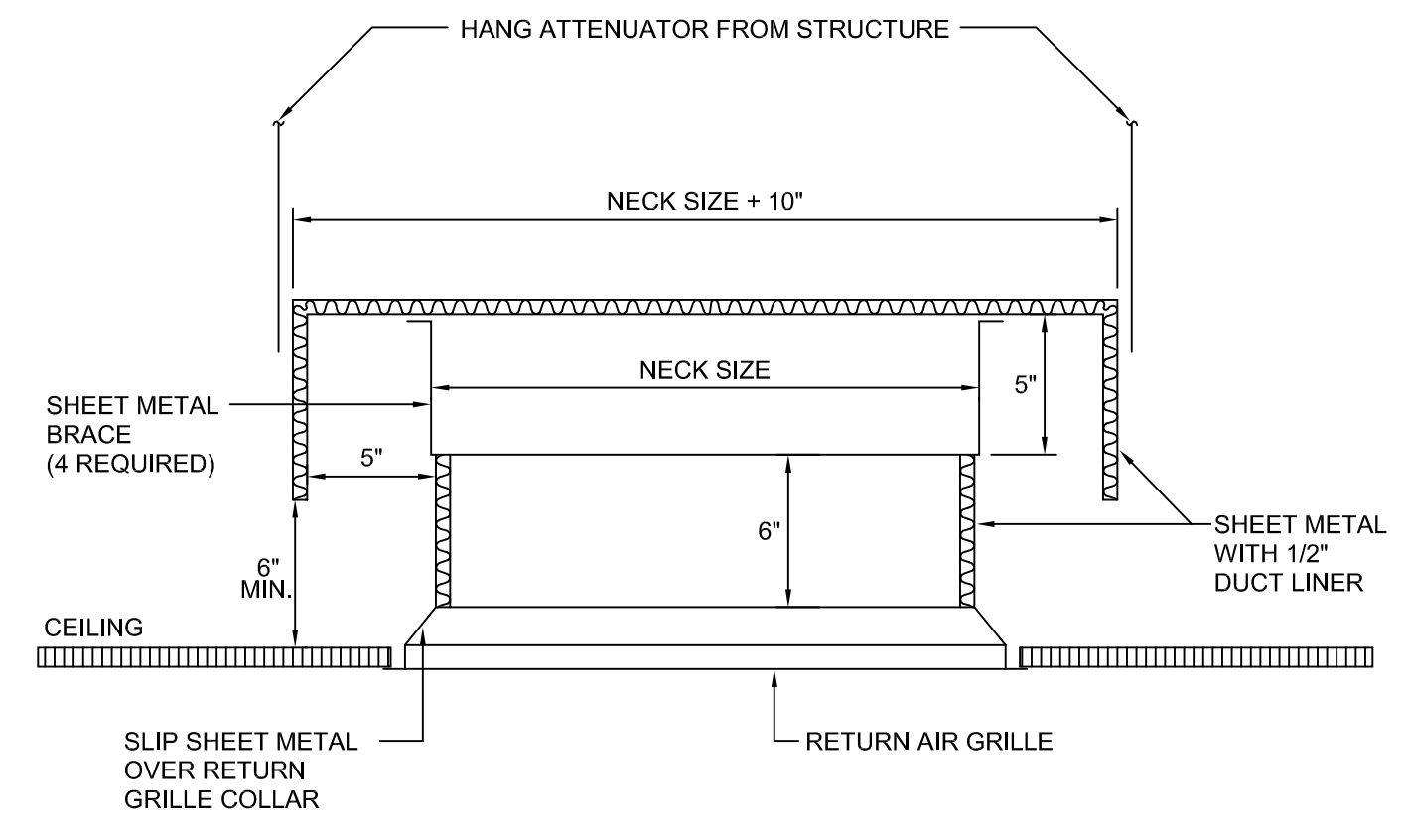
4 TYPICAL RETURN AIR SOUND ATTENUATOR DETAIL
SCALE: NO SCALE



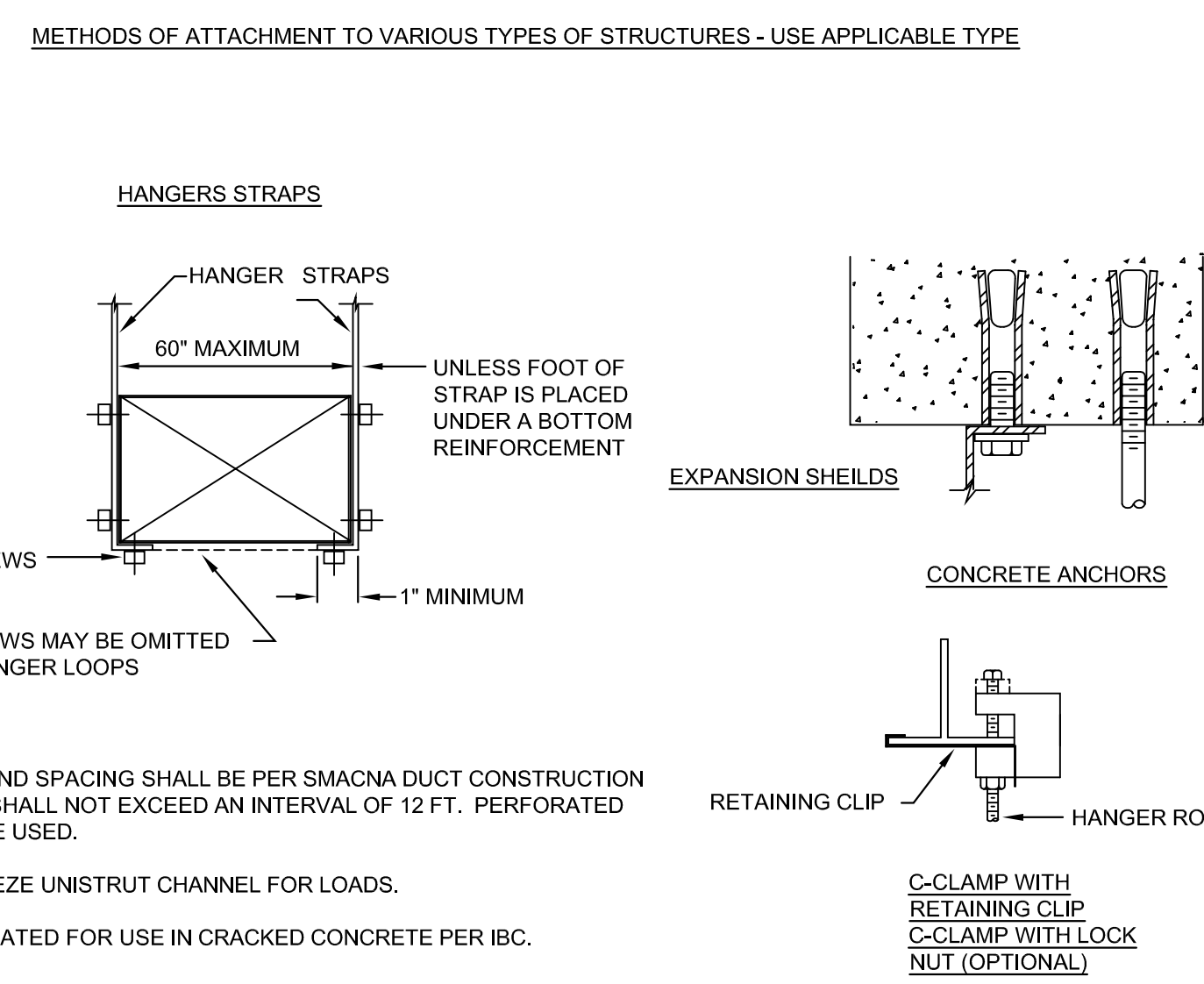
5 TYPICAL HARD DUCT TO FLEXIBLE DUCT CONNECTION
SCALE: NO SCALE



6 TYPICAL SHOE TAP DETAIL
SCALE: NO SCALE



7 TYPICAL DUCT HANGER DETAIL
SCALE: NO SCALE



8 METHODS OF ATTACHMENT TO VARIOUS TYPES OF STRUCTURES - USE APPLICABLE TYPE

NO.	DATE	DESCRIPTION	APPROVED

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ARCHITECTURE
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SHERIFF'S OFFICE RECRUITMENT ACADEMY RESTROOM REMODEL
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MECHANICAL DETAILS

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SCALE:	
KAI JOB NUMBER:	2017.501
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ELECTRICAL GENERAL NOTES

- REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR THE EXACT LOCATION OF ALL CEILING MOUNTED DEVICES.
- REFER TO ARCHITECTURAL INTERIOR ELEVATION DRAWINGS, WHERE THE ARCHITECT HAS DRAWN SUCH ELEVATIONS, FOR THE LOCATIONS OF ALL WALL MOUNTED DEVICES.
- COORDINATE THE EXACT LOCATION OF ALL THERMOSTATS, STARTERS, DISCONNECTS, ETC. AND COORDINATE ALL REQUIREMENTS FOR CONTROL AND POWER WIRING WITH THE MECHANICAL CONTRACTOR OR THE TRADE PROVIDING THE EQUIPMENT.
- ALL RECEPTACLE OUTLETS LOCATED WITHIN 6'-0" OF A WET BAR OR SINK SHALL BE GFI TYPE. ALL RECEPTACLE OUTLETS LOCATED OUTDOORS SHALL BE WP/GFI. ALL RECEPTACLES SERVING VENDING MACHINES AND ELECTRIC WATER COOLERS SHALL BE GFI TYPE.
- CONTRACTOR SHALL NOT UTILIZE SHARED NEUTRALS FOR ANY CIRCUIT WITH AFCI PROTECTION, AS SHARED NEUTRALS CAN CAUSE NUISANCE TRIPPING WITH AFCI PROTECTION.
- ALL CONDUIT PENETRATIONS THROUGH THE ROOF TO SERVE MECHANICAL EQUIPMENT SHALL BE WITHIN THE ASSOCIATED EQUIPMENT ROOF CURB. COORDINATE LOCATIONS OF PENETRATIONS WITH THE MECHANICAL CONTRACTOR.
- PROVIDE ACCESS DOORS IN WALLS AND CEILINGS WHERE ACCESS TO CONCEALED ELECTRICAL BOXES AND DEVICES IS REQUIRED. ALL ACCESS LOCATIONS ARE TO BE APPROVED BY ARCHITECT PRIOR TO INSTALL.
- INTEGRATED EQUIPMENT RATINGS (AIC) SHOWN ARE MINIMUMS. CONTRACTOR SHALL PROVIDE MANUFACTURER'S EQUAL OR NEXT HIGHER STANDARD RATINGS.
- ALL PULL CORD/WIRE PROVIDED FOR EMPTY RACEWAY/CONDUIT SYSTEMS SHALL HAVE A MINIMUM STRENGTH OF 200 LBS TENSILE STRENGTH. ALL EMPTY CONDUITS SHALL HAVE A PULL CORD.
- OUTLET BOXES SHALL NOT BE INSTALLED BACK TO BACK IN WALLS. A MINIMUM OF 6" SEPARATION BETWEEN BOXES SHALL BE MAINTAINED TO REDUCE SOUND TRANSMISSION..
- UNLESS OTHERWISE NOTED, FOR HOMERUNS HAVING A TOTAL LENGTH OF 100' TO 200', USE #10 CONDUCTORS; FOR HOMERUNS HAVING A TOTAL LENGTH OF 200' OR GREATER, USE #8 CONDUCTORS.
- COORDINATE THE REQUIREMENTS FOR OVERCURRENT PROTECTIVE DEVICE SIZE, DISCONNECT SWITCH SIZE, AND CONDUCTOR AND CONDUIT SIZES WITH THE REQUIREMENTS OF THE MECHANICAL EQUIPMENT THAT IS ACTUALLY TO BE INSTALLED, AND PROVIDE AND INSTALL ALL ELECTRICAL COMPONENTS AS REQUIRED. THE ELECTRICAL COMPONENT SIZING SHOWN ON THESE DRAWINGS IS BASED UPON THE REQUIREMENTS FOR THE SPECIFIED MECHANICAL EQUIPMENT AVAILABLE AT THE TIME OF DESIGN. VARIATIONS IN REQUIREMENTS MAY OCCUR AS A RESULT OF THE PROVISION OF OTHER MANUFACTURER'S EQUIPMENT OR IN CHANGES TO THE SPECIFIED EQUIPMENT. SUCH REVISED REQUIREMENTS ARE A PART OF THIS CONTRACT AND SHALL BE ACCOMMODATED WITHOUT ADDITIONAL CHARGE.
- FOR COORDINATION PURPOSES, DEVICES MAY BE MOVED A MAXIMUM DISTANCE OF FIVE FEET, PRIOR TO INSTALLATION, AT NO COST TO THE OWNER, UPON INSTRUCTION BY THE ARCHITECT OR ENGINEER
- REFER TO SPECIFICATIONS AND ARCHITECTURAL DRAWINGS FOR FIRE CAULKING REQUIREMENTS. ALL PENETRATIONS THROUGH FIRE WALLS AND SMOKE BARRIERS SHALL BE SEALED IN ACCORDANCE WITH CODE REQUIREMENTS.
- ALL DEVICE PLATE COLORS TO BE AS SPECIFIED BY ARCHITECT.

COMMON ABBREVIATIONS

NOTE: ALL ABBREVIATIONS SHOWN ARE NOT NECESSARILY USED ON THE DRAWINGS.

20A1P	20 AMPS SINGLE POLE	MAX	MAXIMUM
A	AMPS	MCA	MINIMUM CIRCUIT AMPACITY
AF	ABOVE FINISH FLOOR	MCB	MAIN CIRCUIT BREAKER
AFG	ABOVE FINISH GRADE	MCM	KCMIL
AHJ	AUTHORITY HAVING JURISDICTION	MDP	MAIN DISTRIBUTION PANEL
AIC	AMPS INTERRUPTING CAPACITY	MIN	MINIMUM
AOR	ARCHITECT OF RECORD	MLO	MAIN LUGS ONLY
ATS	AUTOMATIC TRANSFER SWITCH	MOCP	MAXIMUM OVERCURRENT PROTECTION
AVL	AUDIO VISUAL LIGHTING	MSB	MAIN SWITCH BOARD
BKR	CIRCUIT BREAKER	MTS	MANUAL TRANSFER SWITCH
BLDG	BUILDING	N/A	NOT APPLICABLE
C	CONDUIT	NEC	NATIONAL ELECTRICAL CODE
CB	CIRCUIT BREAKER	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
CFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED	NO.	NUMBER
CKT	CIRCUIT	N/O	NORMALLY OPEN
DEG.	DEGREES	N/C	NORMALLY CLOSED
DEMO	DEMOLITION	O/C	ON CENTER
DISC	DISCONNECT	OCPD	OVERCURRENT PROTECTIVE DEVICE
DP	DISTRIBUTION PANEL	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
EA	EACH	PF	POWER FACTOR
EOR	ENGINEER OF RECORD	PH, ϕ	PHASE
EPO	EMERGENCY POWER OFF	RCPT	RECEPTACLE
EXST	EXISTING	RE:	REFERENCE, REFER TO
FAAP	FIRE ALARM ANNUNCIATION PANEL	RLA	RUNNING LOAD AMPS
FACP	FIRE ALARM CONTROL PANEL	SE	SERVICE ENTRANCE
FARA	FIRE ALARM REMOTE ANNUNCIATION PANEL	TR	TAMPER RESISTANT
FLA	FULL LOAD AMPS	TBD	TO BE DETERMINED
FVL	FIELD VERIFY LENGTH	TGB	TELECOM GROUNDING BUS
G.GND	GROUND	TYP	TYPICAL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	U/F	UNDER FLOOR
GFI	GROUND FAULT INTERRUPTER	U/G	UNDER GROUND
HP	HORSEPOWER	U/S	UNDER SLAB
HZ	HERTZ	UL	UNDERWRITERS LABORATORIES
IER	INTEGRATED EQUIPMENT RATING (AIC)	UNO	UNLESS NOTED OTHERWISE
IG	ISOLATED GROUND	UON	UNLESS OTHERWISE NOTED
KCMIL	1000 CIRCULAR MILLS	UPS	UNINTERRUPTIBLE POWER SUPPLY
KV	KILOVOLTS	V	VOLTS, VOLTAGE
KVA	KILOVOLT-AMPS	VA	VOLT-AMPS
KW	KILOWATT	W	WATTS, WATTAGE
L	LENGTH	W/	WITH
LRA	LOCKED ROTOR AMPS	W/O	WITHOUT
LTG	LIGHTING	WP	WEATHERPROOF, WALLPACK
		XFMR	TRANSFORMER

CODE SUMMARY

GOVERNING CODES:

BUILDING	2021 INTERNATIONAL BUILDING CODE (IBC)
ELECTRICAL	2020 NATIONAL ELECTRICAL CODE (NEC)
FIRE	2021 INTERNATIONAL FIRE CODE (IFC)
LIFE SAFETY	2021 NFPA 101
ENERGY	2015 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)

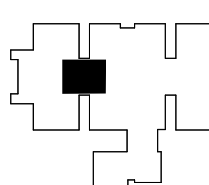
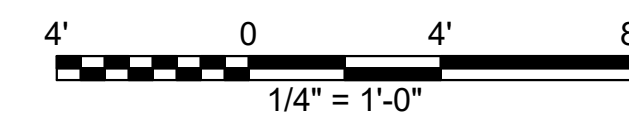
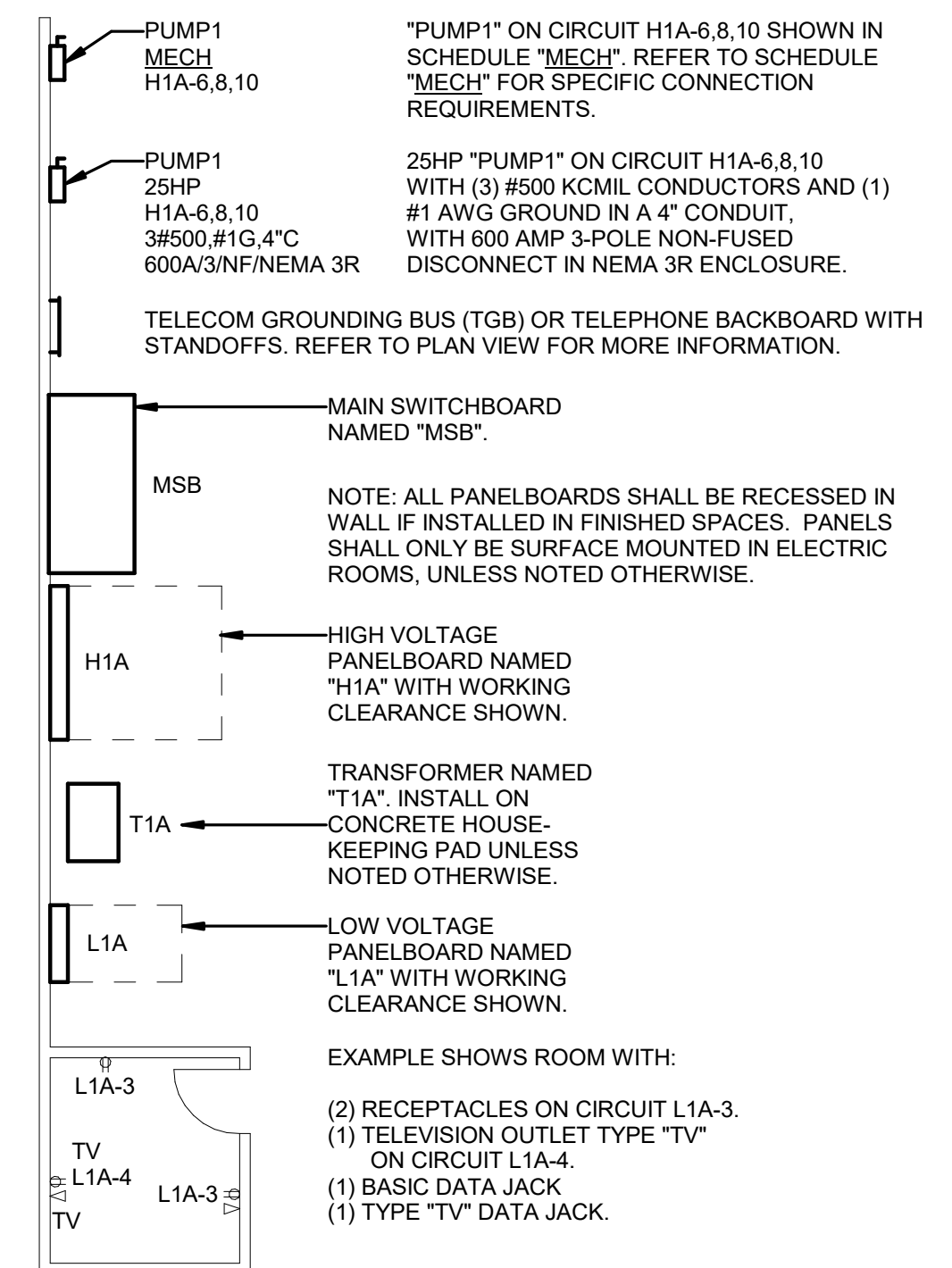
PLUS LOCAL AMENDMENTS BY THE AUTHORITY HAVING JURISDICTION (AHJ).

FIRE ALARM DESIGN GENERAL NOTES

- DRAWINGS DO NOT SHOW EXACT PLACEMENT OF DEVICES. THIS IS A DELEGATED DESIGN PERFORMANCE SPECIFICATION FOR THE FIRE ALARM SYSTEM.
- THE CONTRACTOR SHALL EMPLOY A FIRE ALARM PLANNING SUPERINTENDENT, CERTIFIED OR LICENSED BY THE STATE FIRE MARSHAL'S OFFICE, TO DESIGN, FURNISH AND INSTALL A COMPLETE FIRE ALARM SYSTEM PER NFPA.
 - EXPAND EXISTING FIRE ALARM SYSTEM.
 - EXISTING FIRE ALARM SYSTEM IS "brand/ make/ model" WITH "brand/ make/ model" VOICE EVACUATION SYSTEM.
 - RELOCATE AND/OR EXTEND EXISTING FIRE ALARM EQUIPMENT INTO NEW SPACES AS REQUIRED FOR FULLY FUNCTIONAL SYSTEM.
- THE FIRE ALARM PLANNING SUPERINTENDENT SHALL PREPARE PERMIT DOCUMENTS, USING EXACT DEVICES TO BE PROVIDED BY THE MANUFACTURER.
- THE LICENSED FIRE ALARM DESIGNER SHALL ENSURE THAT HIS DESIGN MEETS ALL OF THE REQUIREMENTS OF NFPA, ADA, NEC, TAS AND ALL LOCAL CODES AND AMENDMENTS, AND THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION.
- CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS TO DETERMINE OCCUPANCY CLASSIFICATION AND OCCUPANT LOAD OF THE BUILDING.
- PROVIDE SMOKE DUCT DETECTORS FOR EACH AIR HANDLING UNIT EXCEEDING 2000 CFM. DETECTORS SHALL BE MONITORED BY MAIN FIRE ALARM PANEL PER LOCAL FIRE MARSHALL REQUIREMENTS.
- VERIFY FINAL LOCATION OF FIRE ALARM CONTROL PANEL WITH FIRE MARSHALL PRIOR TO INSTALLATION. VERIFY FINAL LOCATION OF FIRE ALARM ANNUNCIATOR AND/OR VOICE EVAC PANEL WITH OWNER AND FIRE MARSHALL PRIOR TO INSTALLATION.
- COORDINATE ALL EXISTING FIRE ALARM WORK WITH TARRANT COUNTY FACILITIES MANAGEMENT BUILDING SERVICES.

PLAN VIEW EXAMPLES

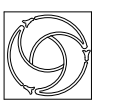
ALL SYMBOLS SHOWN ARE NOT NECESSARILY USED ON THE DRAWINGS. REFER TO DEVICE SYMBOL LEGENDS FOR ADDITIONAL POWER, DATA AND LIGHTING SYMBOLS.



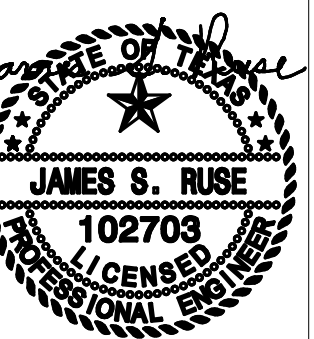
KEY PLAN

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ARCHITECTURE



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01/20/2023

SHERIFFS OFFICE RECRUITMENT ACADEMY RESTROOM REMODEL
TARRANT COUNTY RESOURCE CENTER

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ELECTRICAL LEGEND

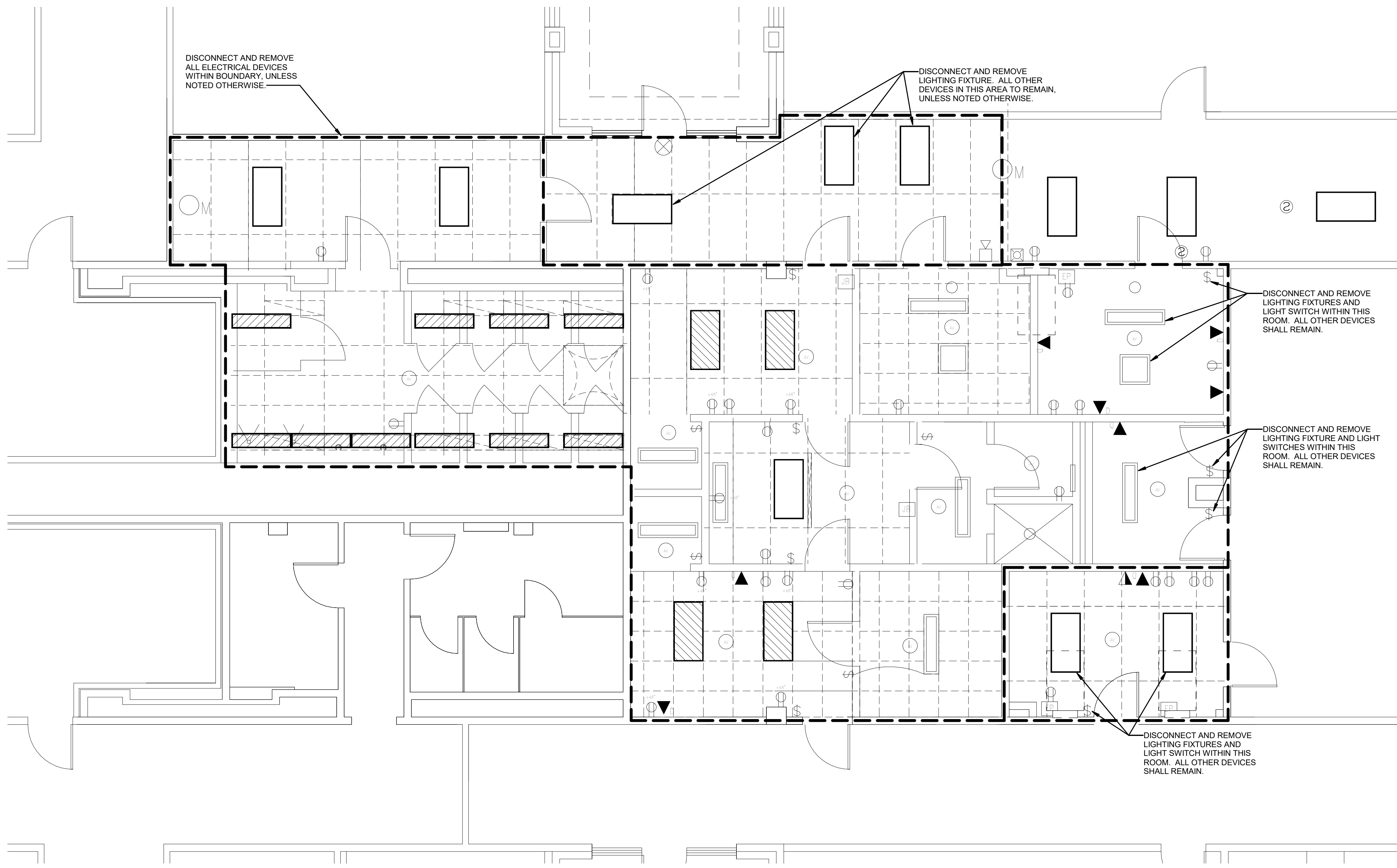
SHEET SIZE 22X34 ANSI D

SCALE:

KAI JOB NUMBER: 2017.501

DATE: 01/20/2023

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② ELECTRICAL DEMOLITION PLAN
1/4" = 1'-0"

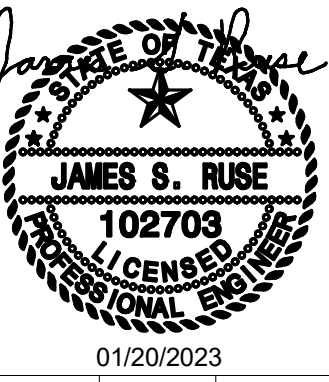
GENERAL DEMOLITION NOTES

1. CONTRACTOR SHALL PAINT, PATCH, TEXTURE AND REPAIR WALLS, CEILINGS, FLOORS AND OTHER SURFACES TO MATCH EXISTING WHERE SURFACE RACEWAY, RECEPTACLES, LIGHTING, FIRE ALARM DEVICES, PA SYSTEM DEVICES, JUNCTION BOXES AND OTHER ELECTRICAL COMPONENTS ARE REMOVED.
2. REMOVE ALL ABANDONED SURFACE RACEWAYS AND JUNCTION BOXES. EXISTING ABANDONED RECESSED JUNCTION BOXES SHALL BE REMOVED AND THE WALL PATCHED, OR A NEW BLANK COVERPLATE SHALL BE INSTALLED.
3. ALL EXISTING CAMERA SYSTEM AND SECURITY SYSTEM COMPONENTS SHALL BE REMOVED/RELOCATED/REWORKED AS NECESSARY BY CONTRACTOR. CONTRACTOR SHALL PATCH AND REPAIR ALL SURFACES WHERE COMPONENTS ARE REMOVED.
4. ALL EXISTING FIRE ALARM SYSTEM NOTIFICATION AND DETECTION DEVICES SHALL BE REMOVED/RELOCATED/REWORKED AS NECESSARY BY CONTRACTOR. EXISTING DUCT DETECTORS SHALL REMAIN IN MECHANICAL EQUIPMENT WHICH IS TO REMAIN. EXISTING FACP SHALL REMAIN FOR RE-USE DURING CONSTRUCTION.
5. EXISTING LIGHTING SHALL BE REMOVED IN THE AREAS WHERE NEW LIGHTING IS TO BE INSTALLED. ANY LIGHTING NOT REMOVED SHALL BE RE-CONNECTED TO A LIGHTING CIRCUIT DURING CONSTRUCTION. REFER TO LIGHTING SHEETS FOR AREA OF WORK.
6. EXISTING COMMUNICATIONS (I.T.) EQUIPMENT THAT IS IN OPERATIONAL CONDITION SHALL REMAIN FOR RE-USE UNLESS OTHERWISE REQUIRED BY RENOVATION WORK. THIS INCLUDES CAT-6 CABLE AND FIBER OPTIC CABLE. WHERE CABLING MUST BE MOVED TO FACILITATE RENOVATION, CONTRACTOR SHALL INSTALL NEW CABLING OR RE-ROUTE EXISTING TO FACILITATE RENOVATION AND OTHER TRADES. ALL NEW I.T. TERMINATION OUTLETS AND EXISTING I.T. TERMINATION OUTLETS TO BE RELOCATED SHALL BE COORDINATED WITH THE TARRANT COUNTY FACILITIES MANAGEMENT BUILDING SERVICES FOR STRUCTURAL CABLING MODIFICATIONS.
7. ALL ABANDONED SURFACE-MOUNTED WIRING AND CABLES FOR INTERCOM, PHONE AND CLOCK SYSTEMS SHALL BE REMOVED FROM PROJECT AREA. CONTRACTOR SHALL PATCH OR REPAIR AND PAINT ANY DAMAGE LEFT AFTER REMOVAL OF THESE SYSTEMS.
8. FOR ALL EXISTING EQUIPMENT THAT WILL REMAIN, EXISTING POWER CIRCUITS SHALL REMAIN AND SHALL BE RE-FED FROM A NEW PANEL OR AN EXISTING PANEL THAT WILL REMAIN.

NO.	DATE	APPROVED	DESCRIPTION	REVISIONS

KOMATSU
ARCHITECTURE

100% BID SUBMITTAL



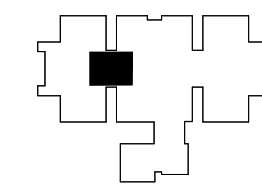
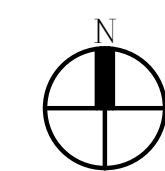
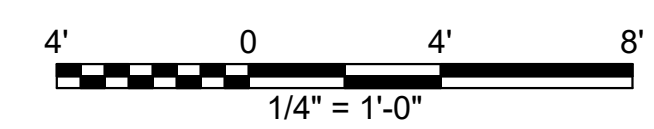
01/20/2023

SHERIFFS OFFICE RECRUITMENT ACADEMY RESTROOM REMODEL
TARRANT COUNTY RESOURCE CENTER
1500 CIRCLE DR., SUITE 200 FORT WORTH, TEXAS 76119

ELECTRICAL DEMOLITION PLAN

SHEET SIZE	22X34 ANSI D
SCALE:	
KAI JOB NUMBER:	2017.501
DATE:	01/20/2023

E1.01



KEY PLAN

Summit
CONSULTANTS, INC.

Texas BPE Registration # F-207

1300 Summit Avenue Suite 500 Fort Worth, Texas 76102
Office 817.878.4242 www.summitnep.com

4144 N. Central Expwy Suite 635 Dallas, Texas 75204
Office 214.420.9111

XREFS:

LIGHTING FIXTURE SCHEDULE

SCHEDULE NOTES:
1. PROVIDE ALL MOUNTING HARDWARE AND ACCESSORIES REQUIRED FOR MOUNTING. REFER TO ARCHITECTURAL CEILING PLANS FOR CEILING TYPES.

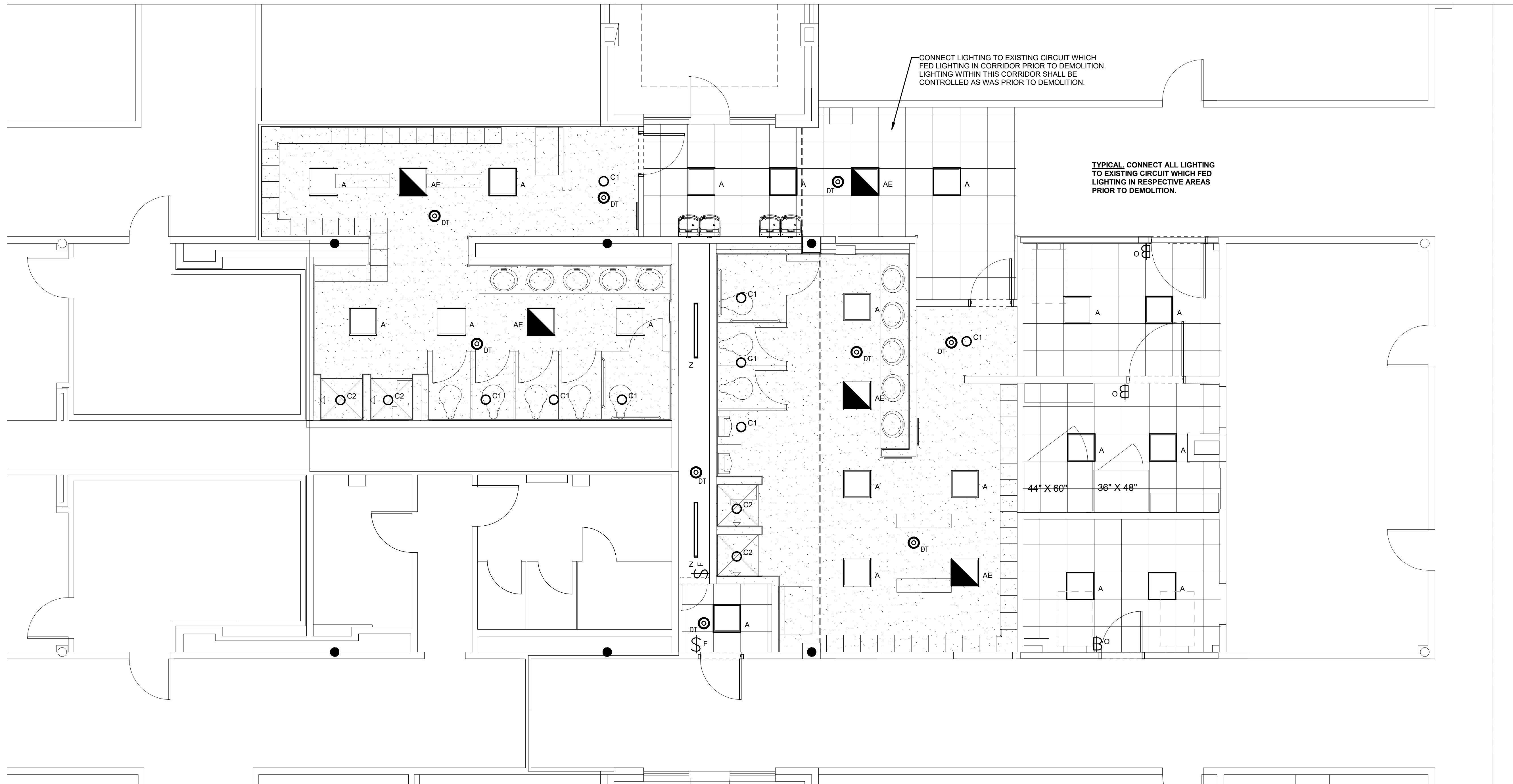
TYPE	DESCRIPTION	MANUFACTURER	MODEL#	VOLT	LOAD	TEMP	LUMENS	COMMENTS
A	2X2 LAY-IN	LITHONIA	CPX 2X2 3200LMHE 80CRI 40K MIN10 ZT MVOLT	120 V	29 W	4000K	3200	EMERGENCY LIGHTING
AE	2X2 LAY-IN	LITHONIA	IDENTICAL TO TYPE "A", BUT FED FROM EMERGENCY SOURCE	120 V	29 W	4000K	3200	
C1	6" CYLINDER	LITHONIA	LDN6 35/15 MVOLT GZ10 HSG	120 V	18 W	3500K	1500	
C2	7" SWITCHABLE VERSI LITE	LITHONIA	FMMLS 7 SWW2 M6	120 V	12 W	4000K	695	
Z	UTILITY STRIP LIGHT	LITHONIA	CSS L48 4000LM MVOLT 40K 80CRI	120 V	35 W	4000K	5000	

SWITCH SYMBOL LEGEND

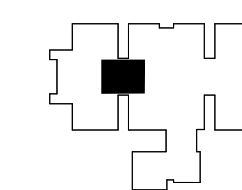
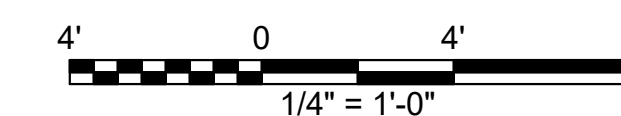
TYPE	SYMBOL DESCRIPTION
DT	DUAL TECH OCCUPANCY SENSOR
F	WALL MOUNTED LINE VOLTAGE FULL ON FULL ON OCCUPANCY SENSOR (ON/OFF) SENSOR. PROGRAM TO AUTOMATIC 100% ON, AUTOMATIC OFF AFTER 30 MINUTES. DUAL TECHNOLOGY UNLESS OTHERWISE NOTED.
O	DIGITAL BUTTON 3-BUTTON PER ZONE (ON/OFF, RAISE, LOWER). PROGRAM TO AUTOMATIC 50% ON, AUTOMATIC OFF AFTER 30 MINUTES. DUAL TECHNOLOGY OCCUPANCY SENSORS AS SHOWN IN PLAN VIEW. LOWER CASE LETTERS ADJACENT TO SWITCH INDICATES ZONES.

GENERAL LIGHTING NOTES

- ALL EXIT SIGNS SHALL BE CONNECTED TO AN UNSWITCHED LEG OF THE LOCAL EMERGENCY LIGHTING CIRCUIT.
- ELECTRICAL CONTRACTOR SHALL MATCH OCCUPANCY AND VACANCY SENSORS THROUGHOUT BUILDING.
- UNLESS NOTED OTHERWISE, EMERGENCY LIGHTING SHALL BE CONNECTED TO EMERGENCY POWER SOURCE WHICH FEEDS THE EXISTING EMERGENCY LIGHTING WITHIN BUILDING.



② LIGHTING PLAN
1/4" = 1'-0"

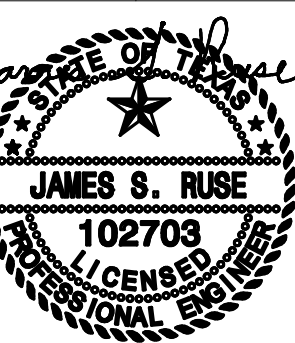


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SHERIFFS OFFICE RECRUITMENT ACADEMY RESTROOM REMODEL
TARRANT COUNTY RESOURCE CENTER
1500 CIRCLE DR., SUITE 200 FORT WORTH, TEXAS 76119

100% BID SUBMITTAL



01/20/2023

SHEET SIZE 22X34 ANSI D
SCALE:
KAI JOB NUMBER: 2017.501
DATE: 01/20/2023

E2.01

REVISIONS

SYMBOL

DESCRIPTION

DATE

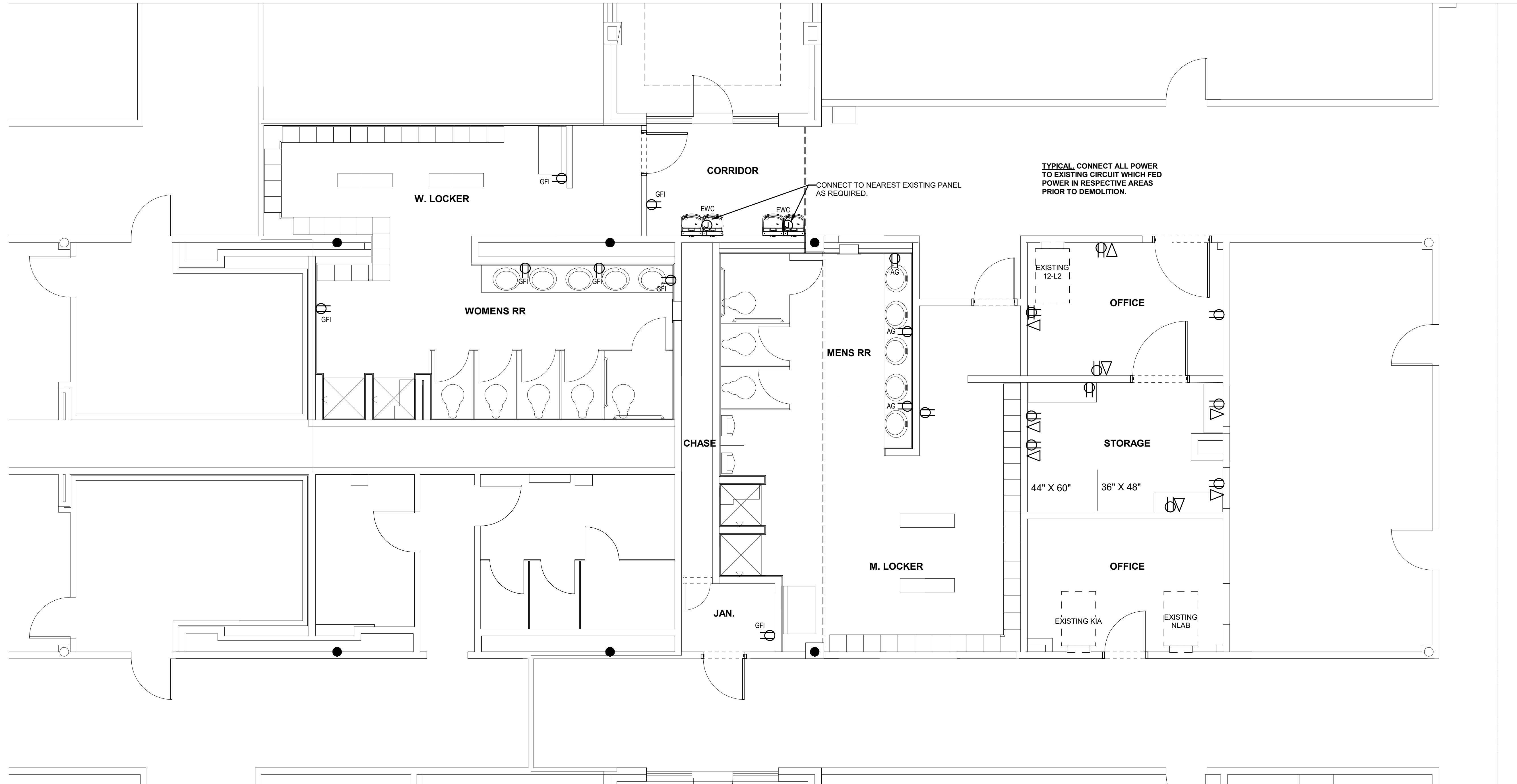
APPROVED

DATA SYMBOL LEGEND	
TYPE	SYMBOL DESCRIPTION
▽	J-BOX FOR DATA OR PHONE OUTLET WITH 1" C TO ACCESSIBLE CEILING SPACE FOR FUTURE WIRING BY OWNER.

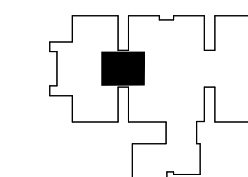
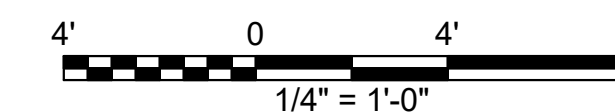
POWER SYMBOL LEGEND	
TYPE	SYMBOL DESCRIPTION
⊖	AG GFI DUPLEX RECEPTACLE ABOVE COUNTER; REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION
⊗	EWC STANDARD WALL MOUNTED JUNCTION BOX FOR ELECTRIC WATER COOLER. COORDINATE EXACT MOUNTING HEIGHT WITH WATER COOLER PROVIDER PRIOR TO INSTALLATION.
⊕	GFI GFI DUPLEX RECEPTACLE ABOVE COUNTER; REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION
⊕	QUADPLEX STANDARD QUADPLEX RECEPTACLE AT 18" ABOVE FINISHED FLOOR UNLESS NOTED OTHERWISE
⊖	STANDARD DUPLEX RECEPTACLE AT 18" ABOVE FINISH FLOOR, UNLESS NOTED OTHERWISE

GENERAL POWER NOTES

- IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO COORDINATE EXACT WIRING REQUIREMENTS OF MODULAR FURNITURE, WHERE SHOWN, WITH THE FURNITURE MANUFACTURER. DESIGN WILL SHOW AN INDEPENDENT NEUTRAL PER CIRCUIT AS REQUIRED BY NEC.
- PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE CAULKED TO MAINTAIN THE FIRE RATING OF THE WALL.
- INSTALL 3/4" CONDUIT TO ALL EXTERIOR DOOR FRAMES TO ACCESSIBLE CEILING SPACE FOR DOOR CONTROLS.



1 POWER & SYSTEMS PLAN
1/4" = 1'-0"



KEY PLAN

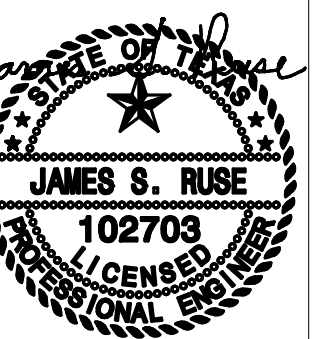


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KOMATSU ARCHITECTURE



100% BID SUBMITTAL



01/20/2023

SHERIFFS OFFICE RECRUITMENT ACADEMY RESTROOM REMODEL
TARRANT COUNTY RESOURCE CENTER
1500 CIRCLE DR., SUITE 200 FORT WORTH, TEXAS 76119

SHEET SIZE 22X34 ANSI D
SCALE:
KAI JOB NUMBER: 2017.501
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E3.01

PLUMBING SYMBOLS AND ABBREVIATIONS

NOTE: ALL SYMBOLS AND ABBREVIATIONS SHOWN ARE NOT NECESSARILY USED ON THE DRAWINGS

GENERAL NOTES

- PERFORM ALL WORK IN ACCORDANCE WITH ALL APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALL PERMITS, INSPECTIONS, LICENSES AND FEES. FURNISH ALL LABOR, EQUIPMENT, SUPPLIES AND MATERIALS NECESSARY TO PROVIDE COMPLETE AND OPERATIONAL SYSTEMS.
- THE DRAWINGS AND SPECIFICATIONS INDICATE THE GENERAL DESIGN AND ARRANGEMENT OF PIPES, FIXTURES, EQUIPMENT, SYSTEMS, ETC. INFORMATION SHOWN IS DIAGRAMMATIC IN CHARACTER AND DOES NOT NECESSARILY INDICATE EVERY REQUIRED OFFSET, FITTING, ETC. DO NOT SCALE THE DRAWINGS FOR DIMENSIONS. TAKE ALL DIMENSIONS, MEASUREMENTS, EQUIPMENT LOCATIONS, LEVELS, ETC FROM THE ARCHITECTURAL DRAWINGS AND FROM THE EQUIPMENT TO BE FURNISHED. PIPING MAY BE RELOCATED OR OFFSET FOR PROPER CLEARANCES OR TO AVOID CONFLICTS WITH OTHER TRADES. THE DESIGN INTENT (I.E. PITCHES, VELOCITIES, PRESSURE DROPS, VOLTAGE DROPS, ETC) CANNOT BE GREATLY ALTERED WITHOUT THE APPROVAL OF THE ARCHITECT. THE COST OF THESE DEVIATIONS TO AVOID INTERFERENCE'S SHALL BE PART OF THE ORIGINAL CONTRACT BID.
- EACH SUBCONTRACTOR SHALL CONFER AND COOPERATE WITH ALL OTHER TRADES TO COORDINATE THEIR WORK. COORDINATION SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO MATERIALS AND EQUIPMENT ROUTED IN CEILING AND WALL CAVITIES, EQUIPMENT ARRANGEMENT IN MECHANICAL SPACES, INCLUDING EQUIPMENT CLEARANCE REQUIREMENTS, ELEVATIONS AND DIMENSIONS OF STRUCTURAL MEMBERS AND OPENINGS, ETC. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY CONFLICTS.
- BASE FINAL INSTALLATION OF MATERIALS AND EQUIPMENT ON ACTUAL DIMENSIONS AND CONDITIONS AT THE PROJECT SITE. FIELD MEASURE FOR MATERIALS AND EQUIPMENT REQUIRING EXACT FIT. NO EXTRAS WILL BE GIVEN FOR THE CONTRACTORS FAILURE TO FIELD COORDINATE.
- THE OWNER OR ENGINEER ARE NOT RESPONSIBLE FOR THE CONTRACTOR'S SAFETY PRECAUTIONS OR FOR MEANS, METHODS, TECHNIQUES, CONSTRUCTION SEQUENCES, OR PROCEDURES REQUIRED TO PERFORM THE WORK.
- THE CONTRACTOR SHALL LOCATE ALL EQUIPMENT THAT MUST BE SERVICED, OPERATED, OR MAINTAINED IN FULLY ACCESSIBLE POSITIONS. EQUIPMENT SHALL INCLUDE (BUT NOT LIMITED TO) VALVES, SHOCK ABSORBERS, TRAPS, CLEANOUTS, MOTORS, CONTROLLERS, SWITCHGEAR, AND DRAIN POINTS IF REQUIRED FOR BETTER ACCESSIBILITY. FURNISH ACCESS DOORS FOR THIS PURPOSE. MINOR DEVIATIONS FROM THE DRAWINGS MAY BE ALLOWED TO PROVIDE FOR BETTER ACCESSIBILITY. ANY CHANGES SHALL BE APPROVED BY THE ARCHITECT AND CONSTRUCTION MANAGER/GENERAL CONTRACTOR PRIOR TO MAKING THE CHANGE.
- THE CONTRACTOR SHALL PROVIDE ACCESS DOORS, WALL OPENINGS, ROOF OPENINGS OR ANY OTHER CONSTRUCTION REQUIREMENT NEEDED TO ACCOMMODATE THE PLUMBING EQUIPMENT. LOCATIONS OF THESE OPENINGS SHALL BE SUBMITTED IN SUFFICIENT TIME TO BE INSTALLED IN THE NORMAL COURSE OF WORK.
- THE CONTRACTOR SHALL COORDINATE ELECTRICAL REQUIREMENTS OF PLUMBING EQUIPMENT WITH THE ELECTRICAL CONTRACTOR PRIOR TO THE PURCHASE AND INSTALLATION OF ANY ELECTRICAL GEAR OR CONDUIT.
- PROVIDE VIBRATION ISOLATORS FOR MOTOR DRIVEN PLUMBING EQUIPMENT UNLESS NOTED OTHERWISE. PROVIDE ISOLATION AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.
- THE CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL WALL CLEANOUTS, ACCESS DOORS, ETC WITH THE ARCHITECT AND ALL OTHER TRADES PRIOR TO INSTALLATION. IF A CONFLICT WITH MILLWORK, LIGHT SWITCHES, WINDOWS, ETC EXISTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF THE POTENTIAL INTERFERENCE PRIOR TO INSTALLATION.
- PLUMBING VENTS THROUGH THE ROOF SHALL BE A MINIMUM OF 10 FEET FROM ALL OUTSIDE AIR INTAKES AND A MINIMUM OF 5 FEET FROM EXTERIOR PERIMETER WALLS.
- SOME PIPES SHOWN ON EACH FLOOR PLAN MAY BE SHOWN WITH AN OFFSET FOR CLARITY.
- PLUMBING FIXTURES AND TRIM OF LIKE KIND SHALL BE OF THE SAME MANUFACTURER THROUGHOUT THE PROJECT. TYPICAL CATEGORIES INCLUDE THE FOLLOWING:
 - A. WATER CLOSETS, LAVATORIES, URINALS
 - B. ELECTRIC WATER COOLERS, DRINKING FOUNTAINS
 - C. FAUCETS, MIXING VALVES
 - D. TAIL PIECE, FIXTURE TRAPS, ESCUTCHEONS, ARM EXTENSIONS, STRAINERS
 - E. FIXTURE CARRIERS, FLOOR DRAINS, FLOOR SINKS, ROOF DRAINS, OVERFLOW DRAINS
 - F. COUNTER TOP SINKS
- PROVIDE WATER HAMMER ARRESTERS BETWEEN THE NEXT TO LAST AND LAST FIXTURE AT EACH BATTERY OF PLUMBING FIXTURES IN ACCORDANCE WITH THE WATER HAMMER ARRESTER SCHEDULE AND THE PLUMBING AND DRAINAGE INSTITUTE STANDARD PDI-WH-201.
- ALL SANITARY WASTE PIPING WITHIN THE BUILDING ENVELOPE SHALL HAVE MINIMUM SLOPES AS REQUIRED BY THE LOCAL CODE AUTHORITY. CONTRACTOR SHALL VERIFY INVERT ELEVATIONS INDICATED ON FLOOR PLANS PRIOR TO INSTALLATION OF ANY SITE UTILITIES AND CONNECTION INTO EXISTING SERVICES.
- COMPLY WITH THE PROVISIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE TEXAS ACCESSIBILITY'S STANDARD (TAS). PLUMBING CONTRACTOR SHALL PROVIDE PLUMBING FIXTURES WITH FLUSH VALVE HANDLES LOCATED ON THE WIDE SIDE OF EACH STALL.
- SEAL ALL PIPE PENETRATIONS THROUGH FIRE RATED BUILDING ELEMENTS WITH AN APPROVED FIRE PROOFING MATERIAL.
- ALL FLOOR DRAIN AND FLOOR SINK TRAPS SHALL BE PRIMED WITH LISTED TRAP PRIMERS. PROVIDE SPIGOT ADAPTER ON ALL FLOOR DRAINS. HORIZONTAL TRAP PRIMER PIPING SHALL NOT BE ROUTED WITHIN FLOOR SLAB.
- CONTRACTOR SHALL PROVIDE AND INSTALL A MINIMUM HORIZONTAL LENGTH OF 10' OF 1" THICK PIPING INSULATION ON ALL STORM AND OVERFLOW PIPING WITHIN THE BUILD STARTING FROM EACH DRAIN BODY.
- CONTRACTOR SHALL PROVIDE AND INSTALL OF 1/2" THICK PIPING INSULATION ON ALL CONDENSATE PIPING WITHIN BUILDING ENVELOPE.

ABBREVIATIONS

A/E	ARCHITECT/ENGINEER	L	LENGTH
AFF	ABOVE FINISHED FLOOR	LB	POUNDS
AHU	AIR HANDLING UNIT	LRA	LOCKED ROTOR AMPS
APPROX	APPROXIMATE	MAX	MAXIMUM
BATT	BATTERY	MCA	MINIMUM CIRCUIT AMPACITY
BD	BUILDING DRAIN (BELOW FLOOR)	MIN	MINIMUM
B.F.G.	BELOW FINISHED GRADE	O	MOP SINK BASIN
BS	BUILDING SEWER (OUTSIDE OF BLDG)	N/A	NOT APPLICABLE
CU	COPPER, CONDENSING UNIT	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CW	DOMESTIC COLD WATER	NFWH	NON-FREEZE WALL HYDRANT
D	EQUIPMENT DRAIN	N/O,N/C	NORMALLY OPEN, NORMALLY CLOSED
DCO	TWO-WAY GRADE CLEANOUT	O/C	ON CENTER
DEG	DEGREES	OFD	ROOF OVERFLOW DRAIN
DSN	DOWNSPOUT NOZZLE	PCO	PLUG CLEANOUT
(E)	EXISTING	PH	PHASE
EQUIP	EQUIPMENT	PROVIDE	FURNISH AND INSTALL
EWC	ELECTRIC WATER COOLER	PSI	POUNDS PER SQUARE INCH
F	DEGREES FAHRENHEIT	RD	ROOF DRAIN
FCO	FLOOR CLEANOUT	RE	REFERENCE, REFER
FCU	FAN COIL UNIT	RLA	RUNNING LOAD AMPS
FD	FLOOR DRAIN	RM	ROOM
FS	FLOOR SINK	RBPFP	REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER
FT.	FOOT, FEET	RPZ	REDUCED PRESSURE ZONE
FVC	FIRE VALVE CABINET	S	SINK
G	NATURAL GAS	SD	STORM DRAIN (BELOW FLOOR)
GCO	GRADE CLEANOUT	ST	STORM WATER (ABOVE CEILING)
GWH	NATURAL GAS WATER HEATER	SSD	SUBSURFACE DRAIN
H	HEIGHT	THRU	THROUGH
HB	HOSE BIBB	TP	TRAP PRIMER
HP	HORSEPOWER	TYP	TYPICAL
HW	DOMESTIC HOT WATER	B	URINAL
HWC	DOMESTIC HOT WATER CIRCULATION LOOP	UL	UNDERWRITERS LABORATORIES, INC.
HWTM	HOT WATER TEMPERATURE MAINTENANCE CABLE	V	SANITARY VENT
HZ	HERTZ	VTR	SANITARY VENT THRU ROOF
IE	INVERT ELEVATION	W	SANITARY WASTE (ABOVE FLOOR)
IN.	INCH, INCHES	W	WATER CLOSET
J-BOX	JUNCTION BOX	WCO	WALL CLEANOUT
kw	KILOWATT	W/	WITH
		W/O	WITHOUT

VALVES AND FITTINGS

SYMBOL	DESCRIPTION
	SHUT-OFF / ISOLATION VALVE
	BALL VALVE
	BUTTERFLY VALVE
	GLOBE VALVE
	PLUG VALVE / GAS COCK
	CHECK VALVE
	STRAINER
	CALIBRATED BALANCING VALVE
	FLOW SWITCH
	UNION (DIELECTRIC)
	VALVE IN RISER
	END RISE (90° ELL)
	END DROP (90° ELL)
	RISE OR DROP
	TEE OUT OF TOP OF PIPE
	TEE OUT OF BOTTOM OF PIPE
	CAP ON END OF PIPE
	WALL CLEANOUT
	PLUG CLEANOUT
	TWO WAY CLEANOUT
	GRADE CLEANOUT
	NON-FREEZE WALL HYDRANT OR HOSE BIBB
	FLOOR DRAIN
	FLOOR CLEANOUT
	SHUT-OFF / ISOLATION VALVE
	OS&Y GATE VALVE

LINE TYPES

SYMBOL	DESCRIPTION
	SANITARY SEWER (ABOVE CEILING)
	SANITARY SEWER (BELOW FLOOR, BUILDING DRAIN)
	SANITARY SEWER (OUTSIDE OF BUILDING, BUILDING SEWER)
	SANITARY VENT
	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	FIRE PROTECTION MAIN WATER SUPPLY
	DIRECTION OF FLOW
	DIRECTION OF PIPE SLOPE DOWN
	PIPE DEMOLITION

BASIS OF PLUMBING DESIGN

PRIMARY CODES:
 PLUMBING: 2021 INTERNATIONAL PLUMBING CODE (WITH CITY AMENDMENTS)

PROJECT DESIGN VALUES:
 SANITARY SEWER AND VENT SYSTEM(S):
 TOTAL DRAINAGE FIXTURES UNITS = 61 DFU

DOMESTIC WATER SYSTEM(S):
 TOTAL WATER FIXTURE UNITS = 130 FU
 PEAK DEMAND = 74 GPM

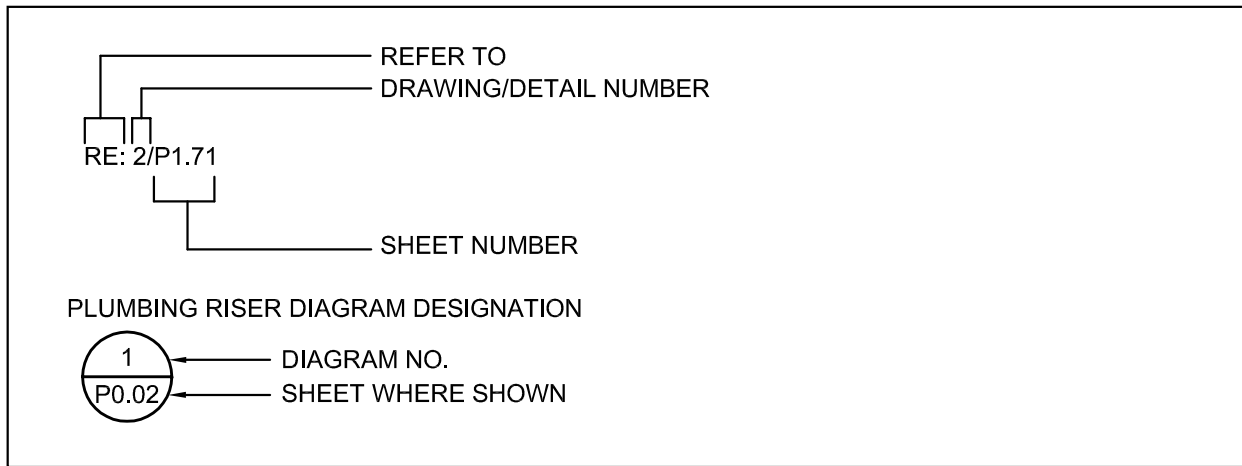
DOMESTIC HOT WATER SYSTEM(S):
 DOMESTIC HOT WATER TEMPERATURE = 140°F
 TEMPERED DOMESTIC HOT WATER TEMPERATURE = 105°F

WATER HAMMER ARRESTER SCHEDULE

P.D.I. SIZE	A	B	C	D	E	F
FIXTURE UNITS	1-11	12-32	33-60	61-113	114-154	155-330

- NOTES:
- ALL WHA'S SHALL BE PISTON TYPE WITH EPDM O-RINGS, SIOUX CHIEF'S SERIES 650 OR EQUAL.
 - ALL WHA'S SHALL BE ANSI/ASSE 1010 2004 CERTIFIED AND APPROVED FOR INSTALLATION WITH NO ACCESS PANEL REQUIRED.
 - SIZE AND LOCATE WATER HAMMER ARRESTERS IN ACCORDANCE WITH PDI PAMPHLET PDI-WH-201.

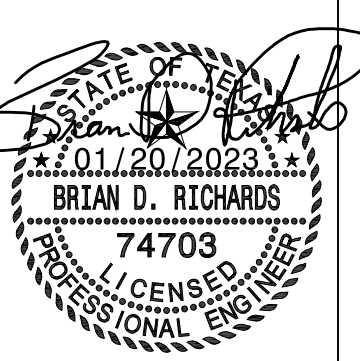
DRAWING/DETAIL REFERENCE



MISCELLANEOUS

- DRAWING NOTE REFERENCE (I.E., NOTES BY SYMBOL)
- CONNECTION INTO EXISTING

KOMATSU ARCHITECTURE



SHERIFF'S OFFICE RECRUITMENT ACADEMY RESTROOM REMODEL
TARRANT COUNTY RESOURCE CENTER
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PLUMBING GENERAL NOTES AND LEGENDS PLUMBING

SHEET SIZE: 22X34 ANSI D
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P0.01

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	ROUGH IN (MINIMUM)					MANUFACTURER AND MODEL NUMBER	ADA /TAS
		W	V	CW	HW	E		
A1	WATERCLOSET, WALL MOUNT, FLUSHOMETER VALVE, TOP SPUD, ELONGATED, SIPHON ACTION JETTED BOWL, VITREOUS CHINA, WHITE, ASME A112.19.2M, 2" FULLY GLAZED TRAPWAY, 1.28 GPF.	4"	2"	-	-	-	AMERICAN STANDARD, 2257.101; KOLHER, K-4325; ZURN, Z5615-BWL; SLOAN, ST-2459.	
	FLUSHOMETER VALVE, 1.28 GPF, BATTERY POWERED AUTOMATIC SENSOR ACTUATOR, EXPOSED DIAPHRAGM-TYPE, CHROME PLATED METAL COVER WITH MANUAL OVER-RIDE BUTTON, 1 1/2" TOP SPUD, SPUD COUPLING AND FLANGE, CHROME PLATED ANGLE STOP WITH STOP CAP, VACUUM BREAKER FLUSH CONNECTION, CAST WALL FLANGE WITH SET SCREW, ANSIA/ASME 112.19.6	-	-	1 1/2"	-	BATT	SLOAN, OPTIMA 8111-1.28; OR EQUAL IN ZURN.	
	SEAT, EXTRA HEAVY WEIGHT, POSTURE MOLDED SOLID PLASTIC, ELONGATED, OPEN FRONT, LESS COVER, EXTERNAL CHECK HINGES, STAINLESS STEEL HINGE POSTS, WHITE	-	-	-	-	-	CHURCH 9500C; BEMIS, 1655C; OLSONITE, 95/SS	
A2	FIXTURE CARRIER, ADJ. HEIGHT, FOOT/ANCHOR LEG SUPPORT, HORIZONTAL/VERTICAL DISCHARGE	-	-	-	-	-	JOSAM SERIES 12000; WATTS, ISCA; OR EQUAL IN ZURN OR JR SMITH	
	WATERCLOSET, WALL MOUNT, ADA MOUNTING HEIGHT COMPLIANT, FLUSHOMETER VALVE, TOP SPUD, ELONGATED, SIPHON ACTION JETTED BOWL, VITREOUS CHINA, WHITE, ASME A112.19.2M, 2" FULLY GLAZED TRAPWAY, 1.28 GPF.	4"	2"	-	-	-	AMERICAN STANDARD, 2257.101; KOLHER, K-4325; ZURN, Z5615-BWL; SLOAN, ST-2459.	♿
	FLUSHOMETER VALVE, 1.28 GPF, BATTERY POWERED AUTOMATIC SENSOR ACTUATOR, EXPOSED DIAPHRAGM-TYPE, CHROME PLATED METAL COVER WITH MANUAL OVER-RIDE BUTTON, 1 1/2" TOP SPUD, SPUD COUPLING AND FLANGE, CHROME PLATED ANGLE STOP WITH STOP CAP, VACUUM BREAKER FLUSH CONNECTION, CAST WALL FLANGE WITH SET SCREW, ANSIA/ASME 112.19.6	-	-	1 1/2"	-	BATT	SLOAN, OPTIMA 8111-1.28; OR EQUAL IN ZURN.	
B2	SEAT, EXTRA HEAVY WEIGHT, POSTURE MOLDED SOLID PLASTIC, ELONGATED, OPEN FRONT, LESS COVER, EXTERNAL CHECK HINGES, STAINLESS STEEL HINGE POSTS, WHITE	-	-	-	-	-	CHURCH 9500C; BEMIS, 1655C; OLSONITE, 95/SS	
	FIXTURE CARRIER, ADJ. HEIGHT, FOOT/ANCHOR LEG SUPPORT, HORIZONTAL/VERTICAL DISCHARGE	-	-	-	-	-	JOSAM SERIES 12000; WATTS, ISCA; OR EQUAL IN ZURN OR JR SMITH	
	URINAL, 0.5 GPF, WALL MOUNT, VITREOUS CHINA, 14" EXTENDED FLUSHING RIM, SIPHON JET ACTION, 3/4" INLET SPUD, INLET AND OUTLET SPUDS AND HANGERS, ASME/ANSI A112.19.2	2"	2"	-	-	-	AMERICAN STANDARD, 6550.001; KOHLER, K-5016-ET; ZURN, Z5730.	
B1	FLUSHOMETER VALVE, 0.5 GPF, BATTERY POWERED AUTOMATIC SENSOR ACTUATOR, EXPOSED DIAPHRAGM-TYPE, CHROME PLATED METAL COVER WITH MANUAL OVER-RIDE BUTTON, 3/4" TOP SPUD, SPUD COUPLING AND FLANGE, CHROME PLATED ANGLE STOP WITH STOP CAP, VACUUM BREAKER FLUSH CONNECTION, CAST WALL FLANGE WITH SET SCREW, ANSIA/ASME 112.19.6	-	-	3/4"	-	BATT	SLOAN, OPTIMA 8186-0.5; OR EQUAL IN ZURN.	
	FIXTURE CARRIER, HANGER AND BEARING PLATES, ADJ. SUPPORTING RODS, UPRIGHTS, WELDED FEET	-	-	-	-	-	JOSAM, SERIES 17560-UR; WATTS, CA-321; ZURN, Z1222; OR JR SMITH, 0632	
	URINAL, 0.5 GPF, WALL MOUNT, VITREOUS CHINA, 14" EXTENDED FLUSHING RIM, SIPHON JET ACTION, 3/4" INLET SPUD, INLET AND OUTLET SPUDS AND HANGERS, ASME/ANSI A112.19.2	2"	2"	-	-	-	AMERICAN STANDARD, 6550.001; KOHLER, K-5016-ET; ZURN, Z5730.	♿
C	FLUSHOMETER VALVE, 0.5 GPF, BATTERY POWERED AUTOMATIC SENSOR ACTUATOR, EXPOSED DIAPHRAGM-TYPE, CHROME PLATED METAL COVER WITH MANUAL OVER-RIDE BUTTON, 3/4" TOP SPUD, SPUD COUPLING AND FLANGE, CHROME PLATED ANGLE STOP WITH STOP CAP, VACUUM BREAKER FLUSH CONNECTION, CAST WALL FLANGE WITH SET SCREW, ANSIA/ASME 112.19.6	-	-	3/4"	-	BATT	SLOAN, OPTIMA 8186-0.5; OR EQUAL IN ZURN.	
	FIXTURE CARRIER, HANGER AND BEARING PLATES, ADJ. SUPPORTING RODS, UPRIGHTS, WELDED FEET	-	-	-	-	-	JOSAM, SERIES 17560-UR; WATTS, CA-321; ZURN, Z1222; OR JR SMITH, 0632	
	LAVATORY, 19"x16" OVAL UNDER MOUNT, VITREOUS CHINA, FRONT OVERFLOW, UNGLAZED RIM, ANSI A112.19.2.	2"	1 1/2"	-	-	-	AMERICAN STANDARD, 0496.221; KOHLER, K-2210; ZURN, Z5220; SLOAN, SS-3001.	♿
U1	FAUCET, ELECTRONIC PROXIMITY, CHROME PLATED BRASS, 4" SPOUT, 0.5GPM MAX. FLOW RATE, NSF 61 COMPLIANT, ANSI A112.18.1, BATTERY	-	-	1/2"	1/2"	BATT	MOEN COMMERCIAL, 8301; AMERICAN STANDARD, 6518VP.2DC, SLOAN EBF187-4	
	SUPPLY AND STOPS, LOOSE KEY, CHROME PLATED BRASS VALVES AND CHROME PLATED COPPER RISERS	-	-	-	-	-	MCGUIRE, LFH2165CCLK; T&S BRASS, B-1305; OR BRASSCRAFT, OCR1912A	
	P-TRAP, CHROME PLATED CAST BRASS BODY WITH CLEANOUT, SEAMLESS WALL BEND, 17 GA.	-	-	-	-	-	MCGUIRE, 8902; BRASSCRAFT, 507; OR EQUAL IN T&S BRASS	
U2	OFFSET TAILPIECE AND STRAINER, CHROME PLATED CAST BRASS	-	-	-	-	-	MCGUIRE, 155WC; OR EQUAL IN T&S BRASS; OR BRASSCRAFT	
	THERMOSTATIC MIXING VALVE, 0.25 GPM MINIMUM FLOW, INTEGRAL INLET CHECK VALVES AND STRAINER, SET TEMPERATURE TO 105°, ASSE 1070.	-	-	1/2"	1/2"	-	WATTS, LFUSG-B; LEONARD, 170-LF; OR EQUAL	
	SHOWER, PRESSURE BALANCING, LEVER HANDLE, INTEGRAL SERVICE STOPS	-	-	1/2"	1/2"	-	SYMMONS 96-1-X; LEONARD VALVE 4500-H06-ADJ	
O	38W X 38H SHOWER PAN WITH TRENCH DRAIN	2"	1 1/2"	-	-	-	WONDERFALL WF3636L-PVC	
	SHOWER, PRESSURE BALANCING, LEVER HANDLE, 30" SLIDE BAR	-	-	-	-	-	SYMMONS 96-500-B30VTRM	
	SHOWER STALL STRAINER, HEAVY CAST BRASS BODY, STAINLESS STEEL GRID	2"	1 1/2"	-	-	-	JOSAM SERIES 30000-A-50; OR EQUAL IN ZURN, WADE OR JR SMITH	♿
L	ADA HAND SHOWER WAND	-	-	-	-	-	SYMMONS ADACHS	
	PRESSURE BALANCING VALVE BODY, INTEGRAL SERVICE STOPS	-	-	1/2"	1/2"	-	SYMMONS 262XBODY	
	37W X 38H SHOWER PAN WITH TRENCH DRAIN	-	-	-	-	-	COMFORT DESIGNS SWB3838TR.75	
FD1	MOP SINK BASIN, ONE PIECE-PRECAST TERRAZZO 24"x24"x12" (1 1/4" WALL THICKNESS WITH MINIMUM 9.75" INSIDE DEPTH) 6" DROP FRONT, STAINLESS STEEL EDGE CAPS ON ALL SIDES, STAINLESS STEEL WALL GUARDS, CAST BRASS DRAIN WITH STAINLESS STEEL STRAINER	3"	2"	-	-	-	FIAT MODEL TSB-3000; STERN WILLIAMS HL-1810; FLORESTONE MODEL 92	♿
	FAUCET, EXPOSED YOKE, WALL MOUNTED UTILITY FAUCET, VACUUM BREAKER, 6"THREADED SPOUT	-	-	3/4"	3/4"	-	MOEN, 8124-CHICAGO.540-LD897SWXFCP; DELTA, 28T2383; T&S BRASS, B-0665	
	SINGLE-STATION WATER COOLER W BOTTLE FILLER, BARRIER FREE (ADA), WALL MOUNTED, STAINLESS STEEL, ADA APRON	2"	1 1/2"	-	-	115V	ELKAY MODEL LZSTL8WSLK OR EQUAL IN ELJER OR SUNROCK	
WCO	SERVICE STOP WITH DIELECTRIC COUPLING	-	-	1/2"	-	-	REFER TO MANUFACTURER FOR REQUIREMENTS	
	P-TRAP, PVC, WHITE	-	-	-	-	-	DEARBORN BRASS, A9701BG; KEYSAN MOEM9100; OR EQUAL	
	FIXTURE CARRIER, STEEL TOP AND BOTTOM PLATES W/ ADJ. HOLES, CHROME PLATED CAP NUTS/WASHERS	-	-	-	-	-	JOSAM SERIES 17900; WATTS, CA-421; OR EQUAL IN ZURN OR JR SMITH	
FCO	FLOOR DRAIN, CAST IRON BODY, ANCHOR FLANGE, WEEPHOLES FOR DOUBLE DRAINAGE, 6" ROUND STAINLESS STEEL FLAT STRAINER, ADJUSTABLE DRAIN HEAD W/ MACHINED INTEGRAL BODY THREADS, ASME A112.21.1	-	-	-	-	-	JOSAM SERIES 30000-A; MIFAB F1000; ZURN Z415H	
	WALL CLEANOUT, CI BODY, RECESSED, THREADED BRASS PLUG, STAINLESS STEEL ACCESS COVER	-	-	-	-	-	JOSAM 58600-PLG; MIFAB C1460-RD; ZURN Z1441. DETAIL 2/P0.2	
	FLOOR CLEANOUT, COATED CAST IRON BODY, COMBINATION ADJUSTABLE ROUND STAINLESS STEEL COVER AND PLUG TOP ASSEMBLY, GASKET SEAL, ASME 112.36.2	-	-	-	-	-	JOSAM 58360; MIFAB C1000; ZURN Z1400. DETAIL 1/P0.2	

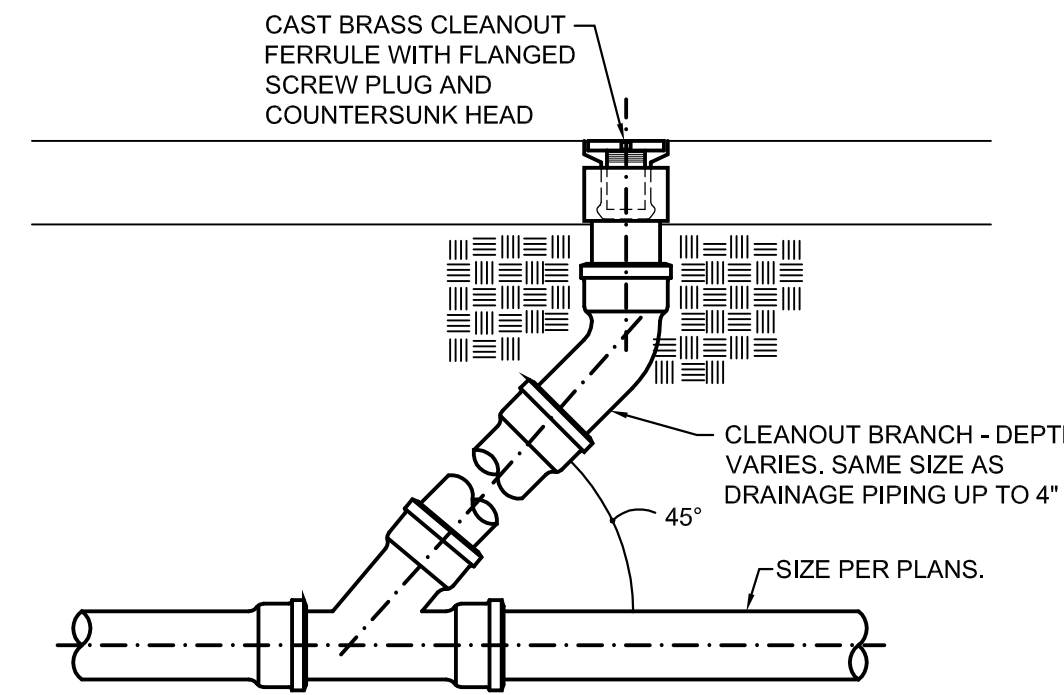
- NOTES:**
- CONTRACTOR SHALL FURNISH AND INSTALL SUPPLIES, STOPS, TRAPS, TAILPIECES AND ALL APPURTENANCES NECESSARY FOR A COMPLETE INSTALLATION OF ALL FIXTURES.
 - ALL ADA ACCESSIBLE SINKS AND LAVATORIES SHALL BE EQUIPPED WITH TRUEBRO #103 UNDER SINK PROTECTIVE PIPE COVERS WHERE NOT CONCEALED BY MILLWORK.
 - COMPLY WITH THE PROVISIONS OF THE AMERICANS WITH DISABILITIES ACT (ADA) AND THE TEXAS ACCESSIBILITY'S STANDARD (TAS). PLUMBING CONTRACTOR SHALL PROVIDE PLUMBING FIXTURES WITH FLUSH VALVE HANDLES LOCATED ON THE WIDE SIDE OF EACH STALL OR ROOM.
 - FLOOR CLEANOUT ACCESS COVERS IN ALL FINISHED AREAS SHALL BE OF THE RECESSED TYPE TO ALLOW FOR INSERTION OF FINISHED FLOOR TREATMENT. TILE OR CARPET MARKER AS NECESSARY.
 - ABOVE THE FLOOR P-TRAPS ON LAVATORIES AND SINKS SHALL BE 17 GAUGE, CHROME PLATED BRASS. ACCEPTABLE MANUFACTURERS: MCGUIRE, T&S BRASS, OR BRASSCRAFT.
 - CONTRACTOR SHALL VERIFY FIXTURE SUPPLIES AND APPURTENANCES FOR EACH FIXTURE PRIOR TO BIDDING AND PURCHASING.
 - ALL FLOOR MOUNTED WATER CLOSETS SHALL HAVE 10" ROUGH-IN UNLESS OTHERWISE NOTED.
 - CONTRACTOR SHALL VERIFY PLUMBING FIXTURES PROVIDED COMPLY WITH HANDICAPPED ACCESSIBILITY STANDARDS INCLUDING HEIGHT AND CLEARANCE REQUIREMENTS.
 - ALL WATER CLOSET AND URINAL FLUSH VALVES SHALL INCLUDE CHROME PLATED CAST WALL FLANGE WITH SETSCREW AND COVER TUBE.
 - WATER CLOSETS AND URINALS INDICATED WITH SENSOR OPERATED FLUSH VALVES SHALL INCLUDE METAL COVER AND MANUAL OVERRIDE BUTTON.
 - LAVATORIES INDICATED WITH SENSOR OPERATED FAUCETS SHALL BE BATTERY OPERATED AND PROVIDED WITH A OF TEMPERING VALVE SET FOR 85°F.
 - PROVIDE NON-SHRINK GROUT BELOW ALL SHOWER ENCLOSURES AND SHOWER RECEPTORS AS RECOMMENDED BY THE MANUFACTURER.

PLUMBING SPECIFICATIONS

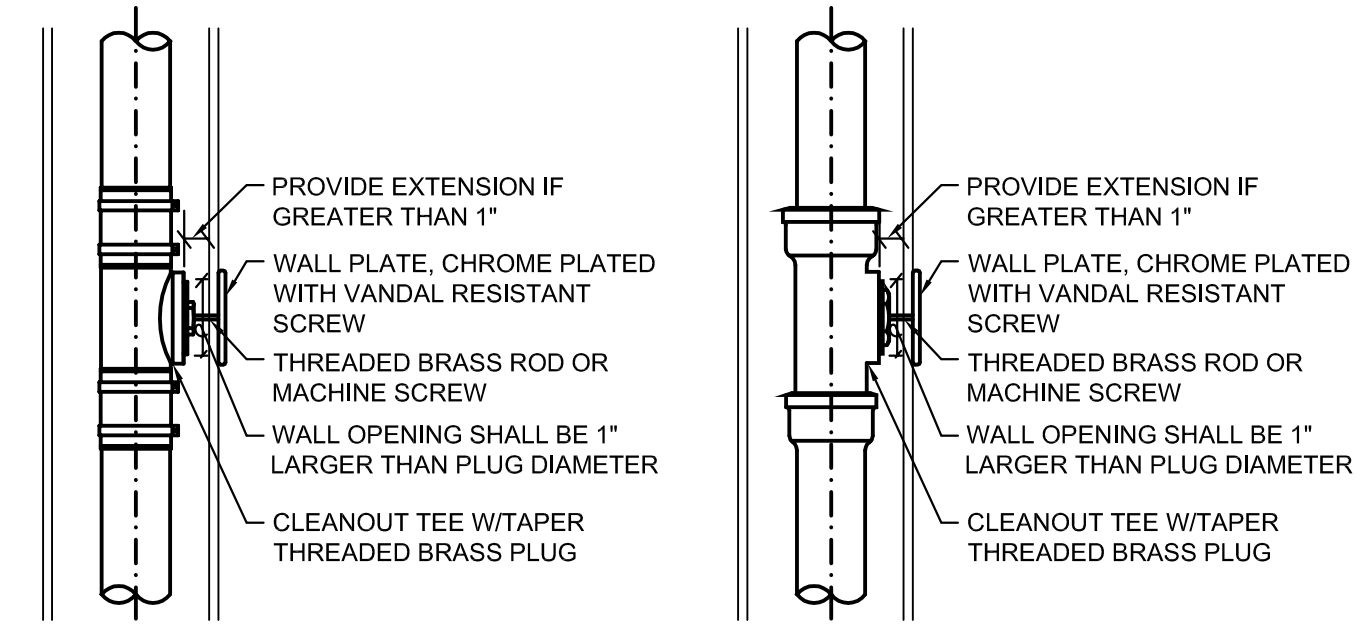
- SCOPE OF WORK**
- FURNISH ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES REQUIRED TO COMPLETE THE INSTALLATION OF THE WORK OF THIS SECTION AS SHOWN ON THE DRAWINGS AND DESCRIBED HEREIN, INCLUDING ALL INCIDENTAL WORK NECESSARY TO MAKE IT COMPLETE, SATISFACTORY AND READY FOR OPERATION AND USE. INSTALLATION OF ALL EQUIPMENT SHALL COMPLY WITH THE APPLICABLE DIVISIONS OF THE LOCAL BUILDING AND SAFETY DEPARTMENT CODES.
 - ALL SEWER AND WATER PIPING SHALL BE PROPERLY TESTED AND DISINFECTED TO THE SATISFACTION OF THE ARCHITECT AND THE AUTHORITY HAVING JURISDICTION.
- DOMESTIC WATER PIPING AND FITTINGS**
- DOMESTIC (POTABLE) COLD WATER PIPING BELOW GROUND/SLAB SHALL BE SOFT COPPER TUBE, ASTM B 88, TYPE "L" COPPER WATER TUBE, ANNEALED TEMPER. FITTINGS SHALL BE ASME B16.18, CAST-COPPER-ALLOY OR ASME B16.22, WROUGHT-COPPER, SOLDER-JOINT FITTINGS. FITTINGS SHALL NOT BE USED UNDER THE BUILDING SLAB.
 - DOMESTIC (POTABLE) COLD AND HOT WATER PIPING ABOVE GROUND/SLAB SHALL BE HARD DRAWN COPPER TUBE, ASTM B88, TYPE "L" WATER TUBE, DRAWN TEMPER. FITTINGS SHALL BE CAST-COPPER-ALLOY, ASTM B16.18 OR WROUGHT-COPPER, ASTM B16.22 SOLDER JOINT FITTINGS. PROVIDE SHUTOFF VALVE ON EACH WATER SUPPLY TO EQUIPMENT AND ON EACH WATER SUPPLY TO PLUMBING FIXTURES WITHOUT SUPPLY STOPS. USE BALL VALVES FOR PIPING NPS 2 AND SMALLER.
- INSULATION**
- MINERAL-FIBER, PIPE INSULATION: PREFORMED PIPE INSULATION COMPLYING WITH ASTM C 547, TYPE I, GRADE A, WITH ABSORBENT CLOTH FACTORY APPLIED TO THE ENTIRE INSIDE SURFACE OF PREFORMED PIPE INSULATION AND EXTENDED THROUGH THE LONGITUDINAL JOINT TO OUTSIDE SURFACE OF INSULATION UNDER INSULATION JACKET. FACTORY APPLY A WHITE, POLYMER, VAPOR-RETARDER JACKET WITH SELF-SEALING ADHESIVE TAPE SEAM AND EVAPORATION HOLES RUNNING CONTINUOUSLY ALONG THE LONGITUDINAL SEAM, EXPOSING THE ABSORBENT CLOTH. INSULATE ALL HOT WATER PIPING WITH 1" THICK PIPE INSULATION. ALL WATER PIPING INSTALLED IN EXTERIOR WALLS OR IN ATTIC SPACES SHALL BE INSTALLED TO THE HEATED SIDE OF THE WALL OR ATTIC INSULATION. ALL WATER PIPING SUBJECT TO FREEZING TEMPERATURES SHALL BE:
 - INSULATED SUFFICIENTLY TO PREVENT FREEZING OF PIPING; OR
 - WRAPPED WITH HEAT TAPE, THERMOSTATICALLY CONTROLLED, OF SUFFICIENT WATTAGE TO PREVENT FREEZING OF PIPING. PIPE INSULATION THICKNESS AS RECOMMENDED BY THE HEAT TAPE MANUFACTURER WITH FIBERGLASS INSULATION WITH UNIVERSAL JACKET.
 - CONDENSATE DRAINAGE PIPE INSULATION INSIDE THE BUILDING: 1/2" THICK FLEXIBLE ELASTOMERIC THERMAL INSULATION, CLOSED-CELL, SPONGE-OR EXPANDED-RUBBER MATERIALS. COMPLY WITH ASTM C 534
 - CONTRACTOR SHALL PROVIDE A MINIMUM HORIZONTAL LENGTH OF 10' OF 1" THICK PIPING INSULATION ON ALL STORM AND OVERFLOW PIPING WITHIN THE BUILD STARTING FROM EACH DRAIN BODY.
- EXECUTION OF PLUMBING SYSTEMS**
- THE CONTRACTOR SHALL FURNISH ALL PIPE SUPPORTS REQUIRED FOR EQUIPMENT AND MATERIALS. ALL HORIZONTAL RUNS OF PIPING SHALL BE SUPPORTED BY CLEVIS HANGERS, SPACED AS FOLLOWS:
 - COPPER PIPE: NPS 3/4 AND SMALLER; 60 INCHES WITH 3/8-INCH ROD.
 - COPPER PIPE: NPS 1 AND NPS 1-1/4; 72 INCHES WITH 3/8-INCH ROD.
 - COPPER PIPE: NPS 1-1/2 AND NPS 2; 96 INCHES WITH 3/8-INCH ROD.
 - CAST IRON SOIL PIPE: NPS 4 AND SMALLER; 60 INCHES WITH 5/8-INCH ROD.
 - CAST IRON SOIL PIPING: AT EACH JOINT.
 - 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.
 - PURGE NEW PIPING AND PARTS OF EXISTING DOMESTIC WATER PIPING THAT HAVE BEEN ALTERED, EXTENDED, OR REPAIRED BEFORE USING. USE PURGING AND DISINFECTING PROCEDURES PRESCRIBED BY AUTHORITIES HAVING JURISDICTION OR, IF METHODS ARE NOT PRESCRIBED, USE PROCEDURES DESCRIBED IN EITHER AWWA C651 OR AWWA C652
 - TEST SANITARY DRAINAGE AND VENT PIPING ACCORDING TO PROCEDURES OF AUTHORITIES HAVING JURISDICTION.
 - TEST, INSPECT, AND PURGE NATURAL GAS PIPING ACCORDING TO NFPA 54 AND REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION.
 - EACH PLUMBING VENT AND/OR SOIL STACK PROJECTING ABOVE THE ROOF SHALL BE FLASHED WITH STANDARD MANUFACTURED FLASHINGS. FLASHINGS SHALL BE SHEET METAL WITH RUBBER GASKETS. FLASHINGS SHALL EXTEND INTO ROOFING A MINIMUM OF 12" OR DISTANCE SPECIFIED BY LOCAL CODE. PAINT VENT PIPING EXPOSED ON ROOF BLACK OR AS DIRECTED BY THE ARCHITECT.
 - ALL FIXTURES SHALL BE COMPLETE WITH ALL NECESSARY TRIM AND APPURTENANCES. ALL EXPOSED METAL PARTS SHALL BE CHROME-PLATED BRASS.

SANITARY SEWER AND GREASE WASTE PIPING SYSTEMS

 - WASTE AND VENT PIPING ABOVE GROUND/SLAB AND IN CRAWL SPACE AND IN RETURN AIR PLENUM SHALL BE CAST IRON SOIL PIPE, NO-HUB WITH STAINLESS STEEL COUPLINGS (ASTM A 888, ASTM C 1277, ASTM C 564).



1 FLOOR CLEANOUT DETAIL
NO SCALE



2 WALL CLEANOUT DETAIL
NO SCALE

NO.	DATE	DESCRIPTION	APPROVED

KOMATSU
ARCHITECTURE

100% BID SUBMITTAL



SHERIFF'S OFFICE RECRUITMENT ACADEMY RESTROOM REMODEL
TARRANT COUNTY RESOURCE CENTER

1500 CIRCLE DR., SUITE 200 FORT WORTH, TEXAS 76119

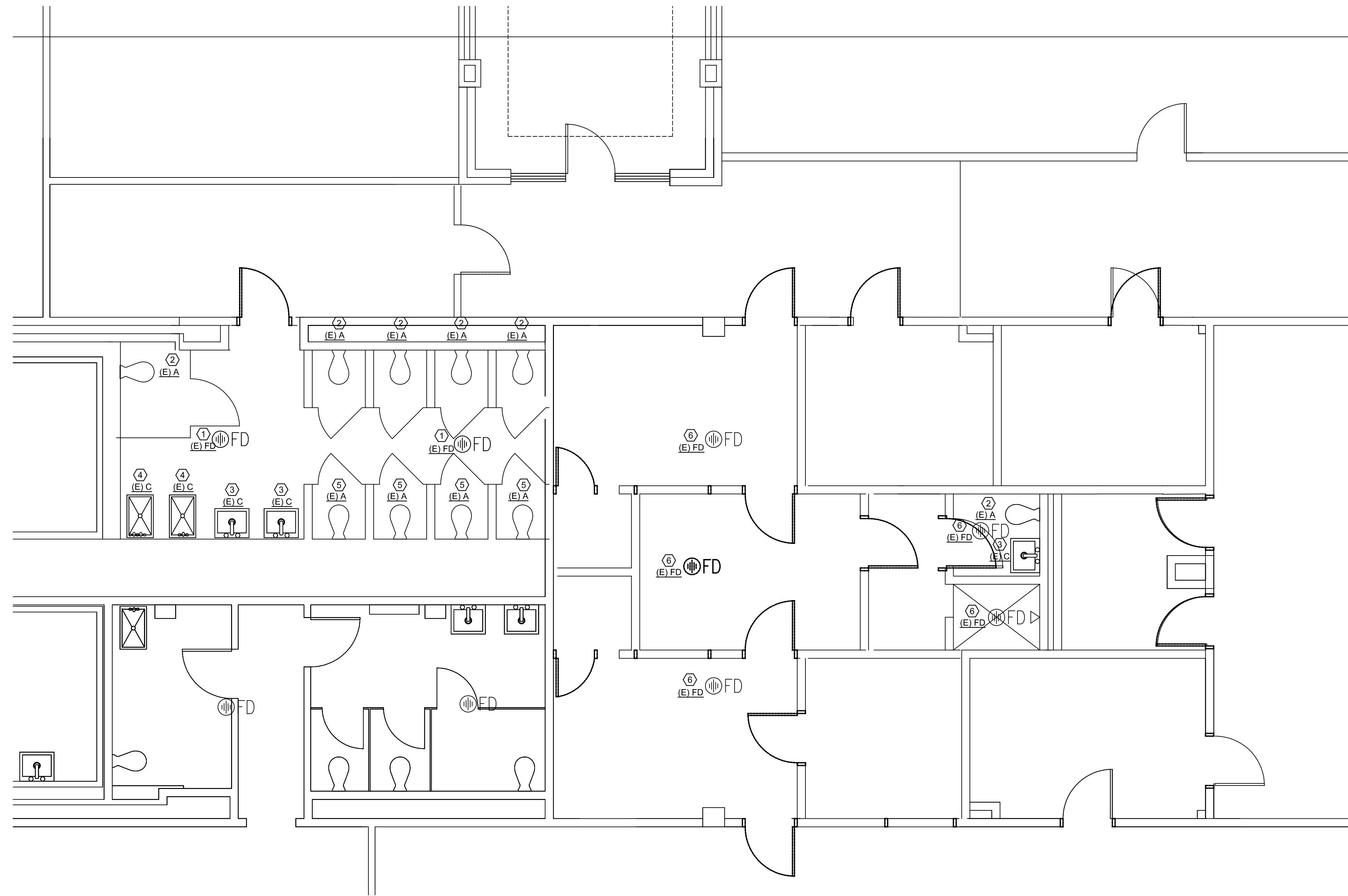
PLUMBING SCHEDULES, SPECIFICATIONS, AND DETAILS

Summit
CONSULTANTS, INC.

Texas BPE Registration # F-207

1300 Summit Avenue Suite 500 Fort Worth, Texas 76102
4144 N. Central Expwy Suite 635 Dallas, Texas 75204
Office 817.878.4242 Office 214.420.9111
www.summitmp.com

SHEET SIZE	22X34 ANSI D
SCALE:	
KAI JOB NUMBER	2017.501
DATE:	01/20/2023



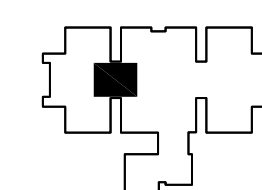
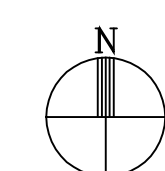
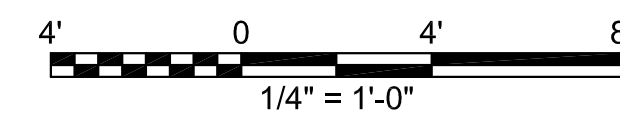
GENERAL NOTES

- SANITARY WASTE & VENT AND DOMESTIC HOT & COLD WATER SYSTEMS INDICATED ARE ESTIMATED LOCATIONS AND SIZES BASED UPON LIMITED SITE OBSERVATIONS. THE CONTRACTOR SHALL FIELD VERIFY AND LOCATE EACH EXISTING SYSTEM PRIOR TO WORK. NOTIFY ARCHITECT IF DISCREPANCIES ARE FOUND THAT PREVENT COMPLETION OF WORK INTENDED IN THESE CONSTRUCTION DOCUMENTS.
- BEFORE CORE DRILLING EXISTING CONCRETE SLAB FOR NEW PIPE INSTALLATION THE CONTRACTOR SHALL FIELD VERIFY EACH EXISTING SYSTEM AND VERIFY FLOW LINE ELEVATIONS OF EXISTING SANITARY SEWER AND DETERMINE IF THE PROPOSED INVERT ELEVATIONS SHALL ALLOW FOR MINIMUM PIPE SLOPES PER APPLICABLE CODES. NEW SANITARY SEWER LINES SHALL NOT PENETRATE EXISTING CONCRETE GRADE BEAMS AT ANY POINT. IF DISCREPANCIES ARE FOUND, REPORT TO THE ARCHITECT/ENGINEER. PROVIDE AS-BUILT DRAWINGS UPON COMPLETION.
- CORE DRILL EXISTING CONCRETE SLAB AS REQUIRED FOR THE INSTALLATION OF NEW UNDER FLOOR PIPING. COORDINATE CORING WITH STRUCTURAL. CONTRACTOR SHALL PATCH EXISTING CONCRETE SLAB AFTER INSTALLATION OF UNDER FLOOR PIPING TO MATCH EXISTING CONSTRUCTION.
- ROUTE ALL NEW SANITARY WASTE SYSTEMS INTO BUILDING'S EXISTING CRAWL SPACE.

P1.01 NOTES BY SYMBOL "X"

- EXISTING FLOOR DRAINS AND ASSOCIATED PIPING TO REMAIN. PROTECT FROM DAMAGE DURING DEMOLITION PHASE. ADJUST TO NEW FINISHED FLOOR ELEVATION AS REQUIRED PER ARCHITECTURAL DRAWINGS.
- REMOVE EXISTING WATER CLOSETS AND ASSOCIATED PIPING BACK TO MAIN. CAP EXISTING SANITARY SEWER, SANITARY VENT, AND DOMESTIC COLD WATER AS NECESSARY.
- REMOVE EXISTING LAVATORIES AND ASSOCIATED PIPING BACK TO MAIN. CAP EXISTING SANITARY SEWER, SANITARY VENT, AND DOMESTIC HOT AND COLD WATER AS NECESSARY.
- REMOVE EXISTING LAVATORIES AND ASSOCIATED DEVICES. MODIFY EXISTING SANITARY SEWER, SANITARY VENT, AND DOMESTIC WATER AS REQUIRED FOR THE INSTALLATION OF NEW SHOWERS. CORE DRILL AS REQUIRED FOR INSTALLATION OF NEW SHOWER DRAINS.
- REMOVE EXISTING WATER CLOSETS AND ASSOCIATED PIPING BACK TO MAIN. CAP EXISTING SANITARY SEWER, SANITARY VENT, AND DOMESTIC COLD WATER AS NECESSARY, OR REWORK EXISTING PIPING IF ADEQUATE TO ACCOMMODATE THE INSTALLATION OF NEW WATER CLOSETS.
- REMOVE EXISTING FLOOR DRAINS AND ASSOCIATED PIPING BACK TO MAIN. CAP EXISTING SANITARY SEWER, AND SANITARY VENT AS NECESSARY.

1 PLUMBING DEMOLITION FLOOR PLAN
P1.01 SCALE: 1/4" = 1'-0"

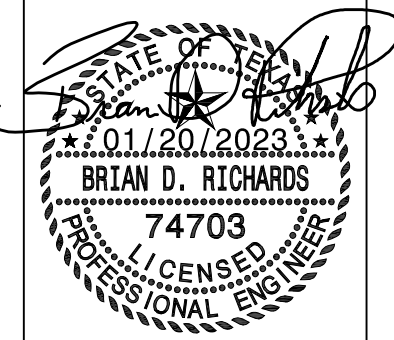


KEY PLAN

Summit
CONSULTANTS, INC.
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4144 N. Central Expwy Suite 635 Dallas, Texas 75204 Office 214.420.9111

NO.	SYMBOL	DESCRIPTION	DATE	APPROVED

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ARCHITECTURE
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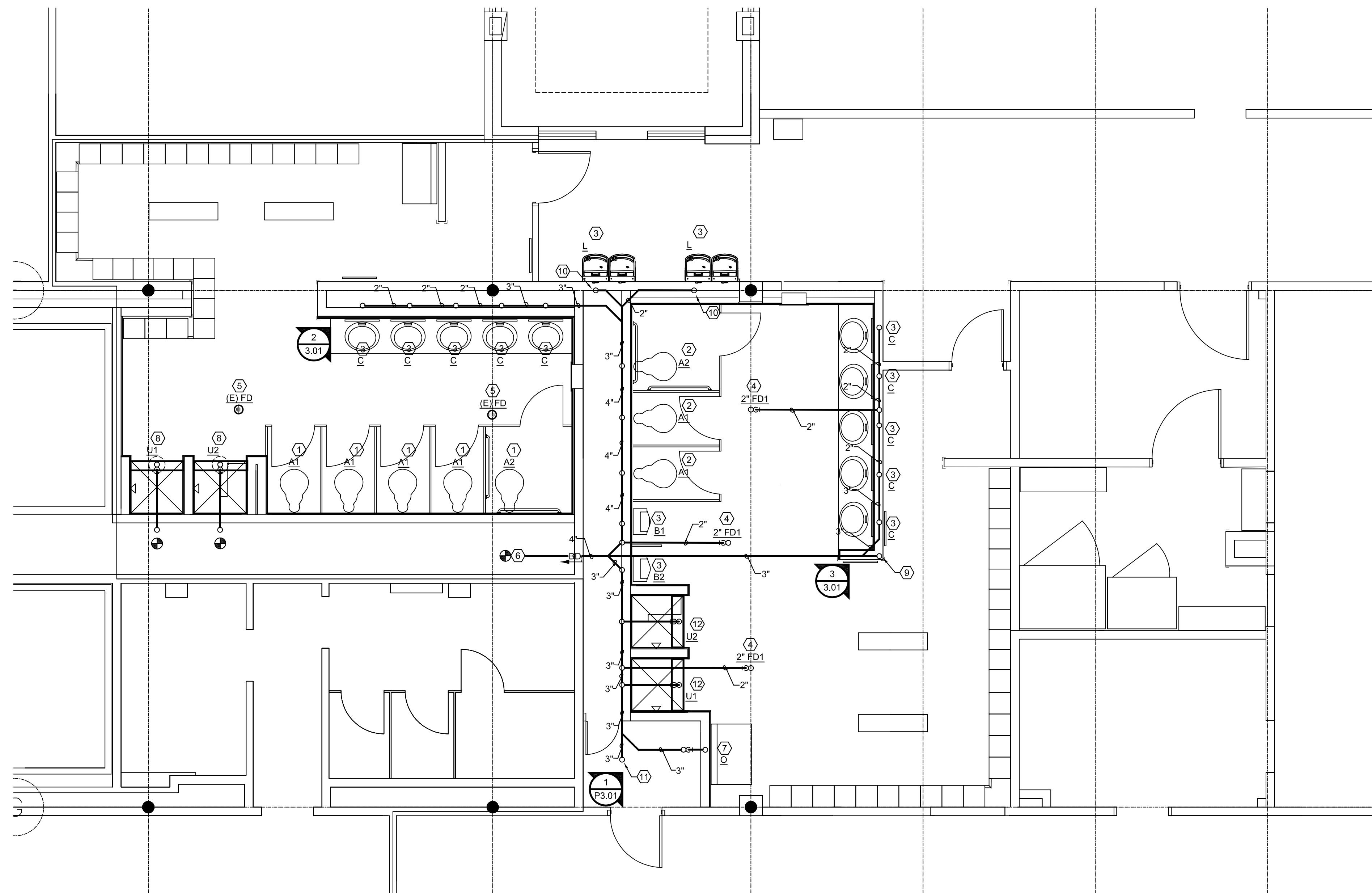
SHERIFF'S OFFICE RECRUITMENT ACADEMY RESTROOM REMODEL
TARRANT COUNTY RESOURCE CENTER
1500 CIRCLE DR., SUITE 200 FORT WORTH, TEXAS 76119
PLUMBING DEMOLITION FLOOR PLAN

SHEET SIZE	22X34 ANSI D
SCALE	1/4"=1'-0"
KAI JOB NUMBER	2017.501
DATE	01/20/2023

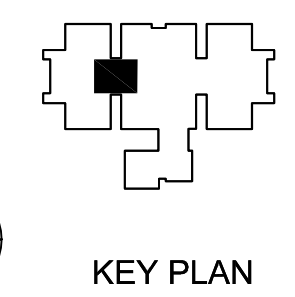
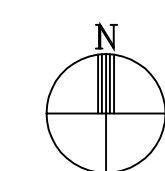
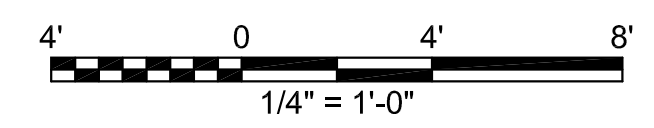
P1.01

P2.00 NOTES BY SYMBOL "ⓧ"

- ① REWORK EXISTING SANITARY SEWER AND SANITARY VENT TO CONNECT NEW 4" SANITARY SEWER AND 2" SANITARY VENT TO EXISTING SANITARY SEWER AND VENT.
- ② 4" SANITARY SEWER UP.
- ③ 2" SANITARY SEWER UP.
- ④ 2" SANITARY SEWER, 2" SANITARY VENT UP.
- ⑤ EXISTING PLUMBING FIXTURE AND ASSOCIATED PIPING TO REMAIN.
- ⑥ CONNECT 4" SANITARY SEWER TO EXISTING SANITARY SEWER.
- ⑦ 3" SANITARY SEWER, 2" SANITARY VENT UP.
- ⑧ CONNECT 2" SANITARY SEWER TO EXISTING SANITARY SEWER.
- ⑨ 3" SANITARY SEWER UP TO WALL CLEANOUT, REFER TO 2/P0.02 FOR DETAILS.
- ⑩ 2" SANITARY SEWER UP TO WALL CLEANOUT, REFER TO 2/P0.02 FOR DETAILS.
- ⑪ 3" SANITARY SEWER UP TO FLOOR CLEANOUT, REFER TO 1/P0.02 FOR DETAILS.
- ⑫ 2" SANITARY SEWER, 1 1/2" SANITARY VENT UP.



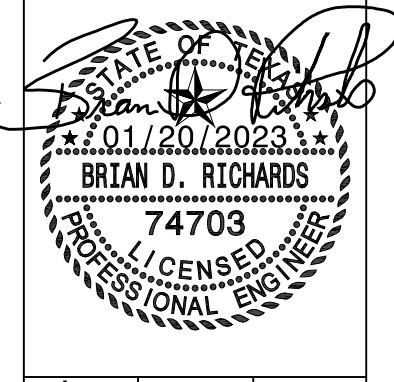
1 PLUMBING UNDER FLOOR PLAN
 P2.00 SCALE: 1/4" = 1'-0"



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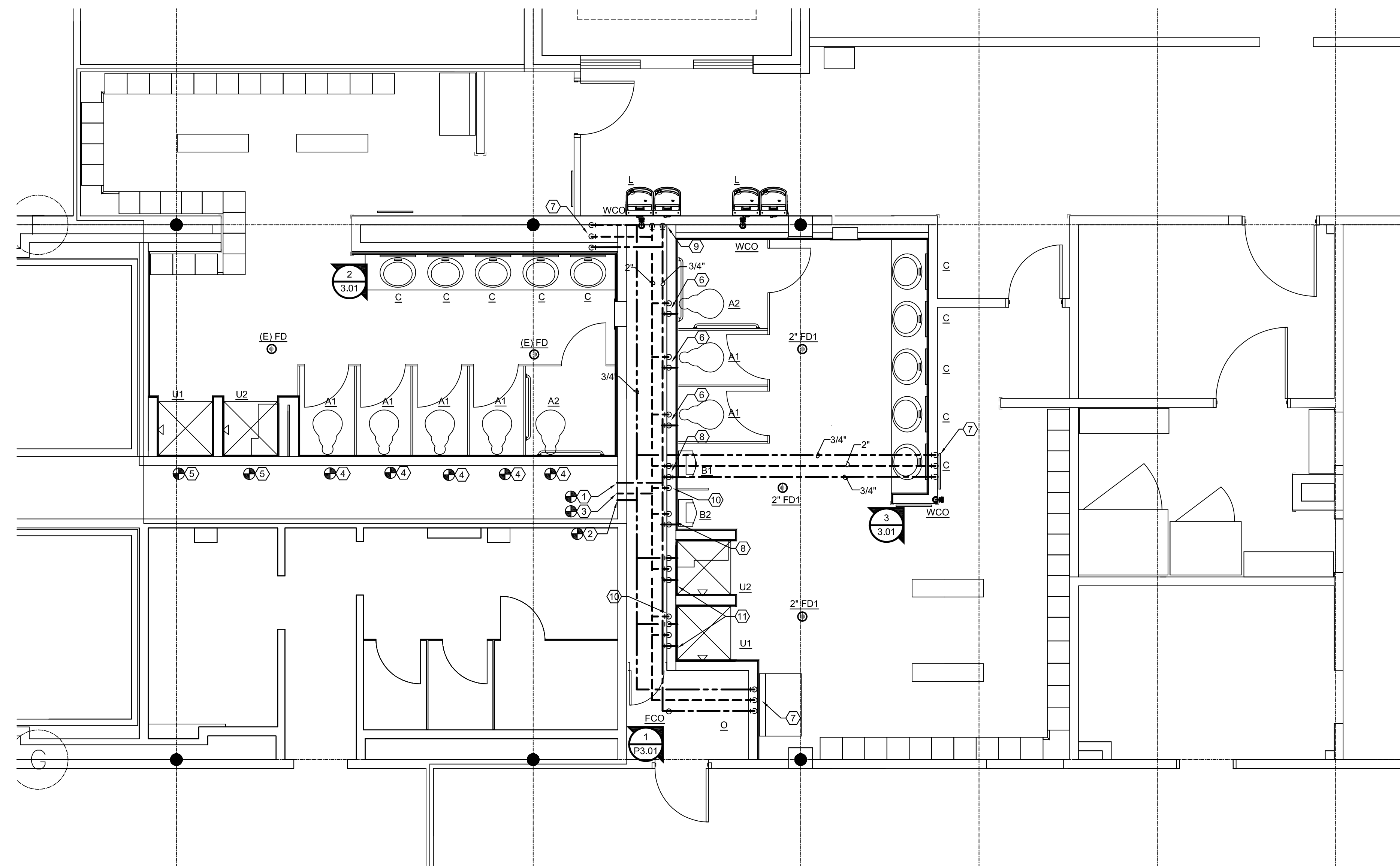
SYMBOL	DESCRIPTION	DATE	APPROVED

KOMATSU
 ARCHITECTURE
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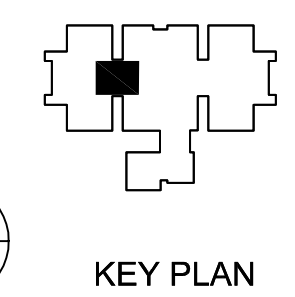
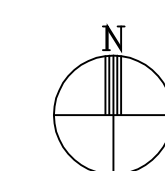
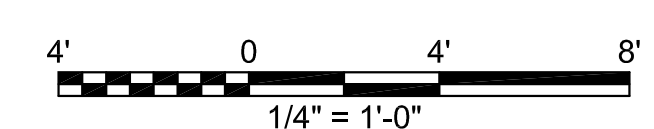
SHERIFF'S OFFICE RECRUITMENT ACADEMY RESTROOM REMODEL
 TARRANT COUNTY RESOURCE CENTER
 1500 CIRCLE DR., SUITE 200 FORT WORTH, TEXAS 76119
 PLUMBING UNDER FLOOR PLAN

SHEET SIZE	22X34 ANSI D
SCALE	1/4"=1'-0"
KAI JOB NUMBER	2017.501
DATE	01/20/2023



- P2.01 NOTES BY SYMBOL "X"**
- ① CONNECT 2" DOMESTIC COLD WATER TO EXISTING DOMESTIC COLD WATER.
 - ② CONNECT 1 1/4" DOMESTIC HOT WATER TO EXISTING DOMESTIC HOT WATER.
 - ③ CONNECT 2" SANITARY VENT TO EXISTING SANITARY VENT.
 - ④ REWORK EXISTING SANITARY VENT AND DOMESTIC COLD WATER TO CONNECT NEW 2" SANITARY VENT AND 1 1/2" DOMESTIC COLD WATER TO EXISTING SANITARY VENT AND DOMESTIC WATER.
 - ⑤ REWORK EXISTING SANITARY VENT AND DOMESTIC HOT AND COLD WATER TO CONNECT NEW 1 1/2" SANITARY VENT AND 1/2" DOMESTIC HOT AND COLD WATER TO EXISTING SANITARY VENT AND DOMESTIC WATER.
 - ⑥ 2" SANITARY VENT DOWN, 1 1/2" DOMESTIC COLD WATER DOWN.
 - ⑦ 2" SANITARY VENT DOWN, 3/4" DOMESTIC HOT AND COLD WATER DOWN.
 - ⑧ 2" SANITARY VENT DOWN, 3/4" DOMESTIC COLD WATER DOWN.
 - ⑨ 1 1/2" SANITARY VENT DOWN, 1/2" DOMESTIC COLD WATER DOWN.
 - ⑩ 2" SANITARY VENT DOWN.
 - ⑪ 1 1/2" SANITARY VENT DOWN, 1/2" DOMESTIC HOT AND COLD WATER DOWN.

1 PLUMBING FLOOR PLAN
 P2.01 SCALE: 1/4" = 1'-0"



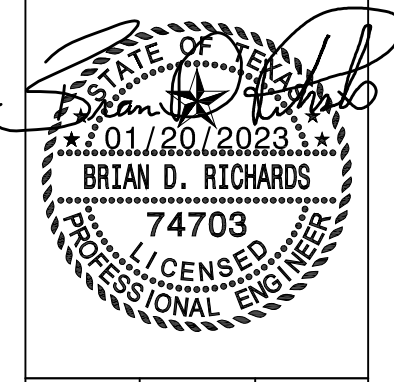
Summit
 CONSULTANTS, INC.
 Texas BPE Registration # F-207

1300 Summit Avenue Suite 500 Fort Worth, Texas 76102 Office 817.878.4242 www.summitmep.com

4144 N. Central Expwy Suite 635 Dallas, Texas 75204 Office 214.420.9111

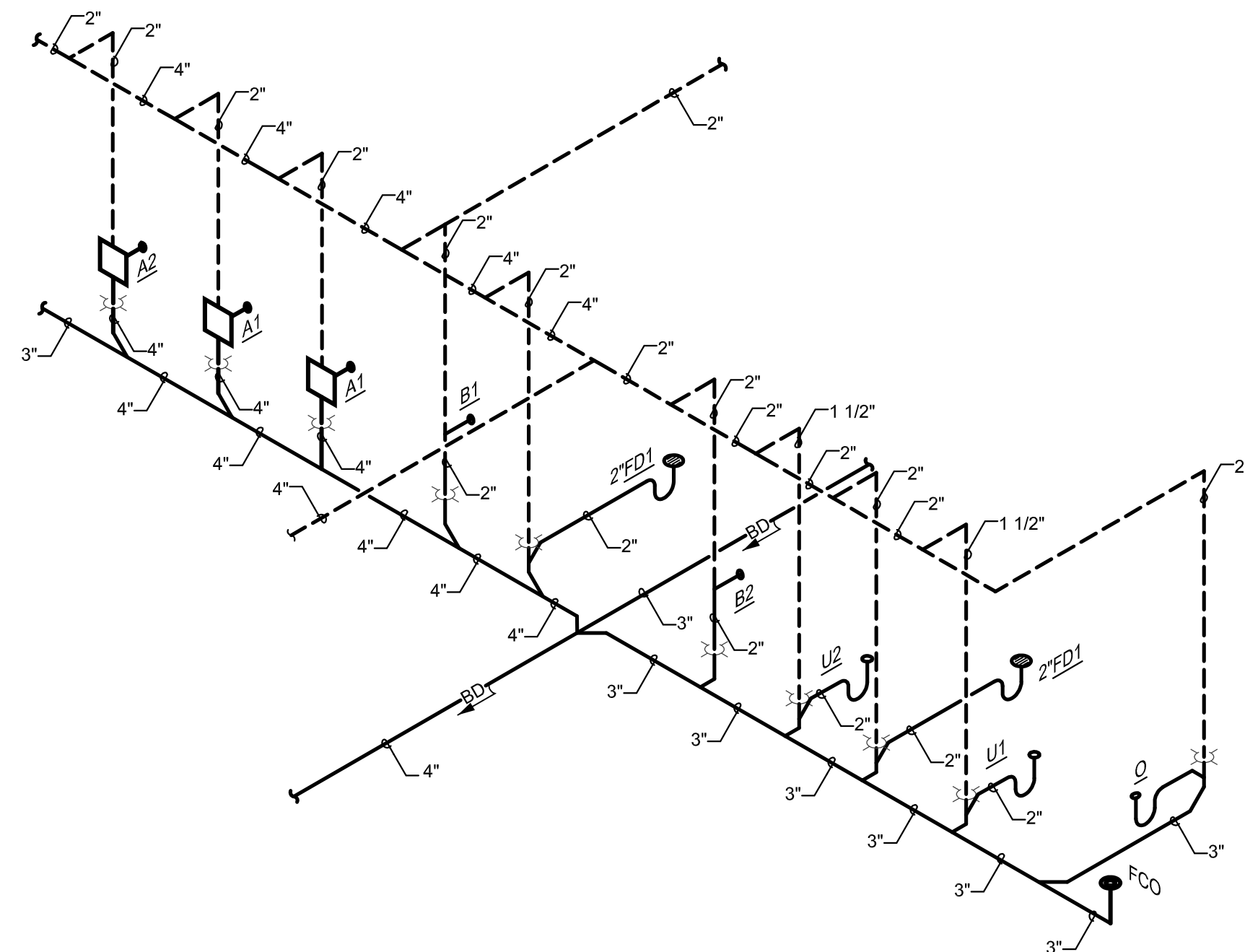
SYMBOL	DESCRIPTION	DATE	APPROVED

KOMATSU
 ARCHITECTURE
 100% BID SUBMITTAL

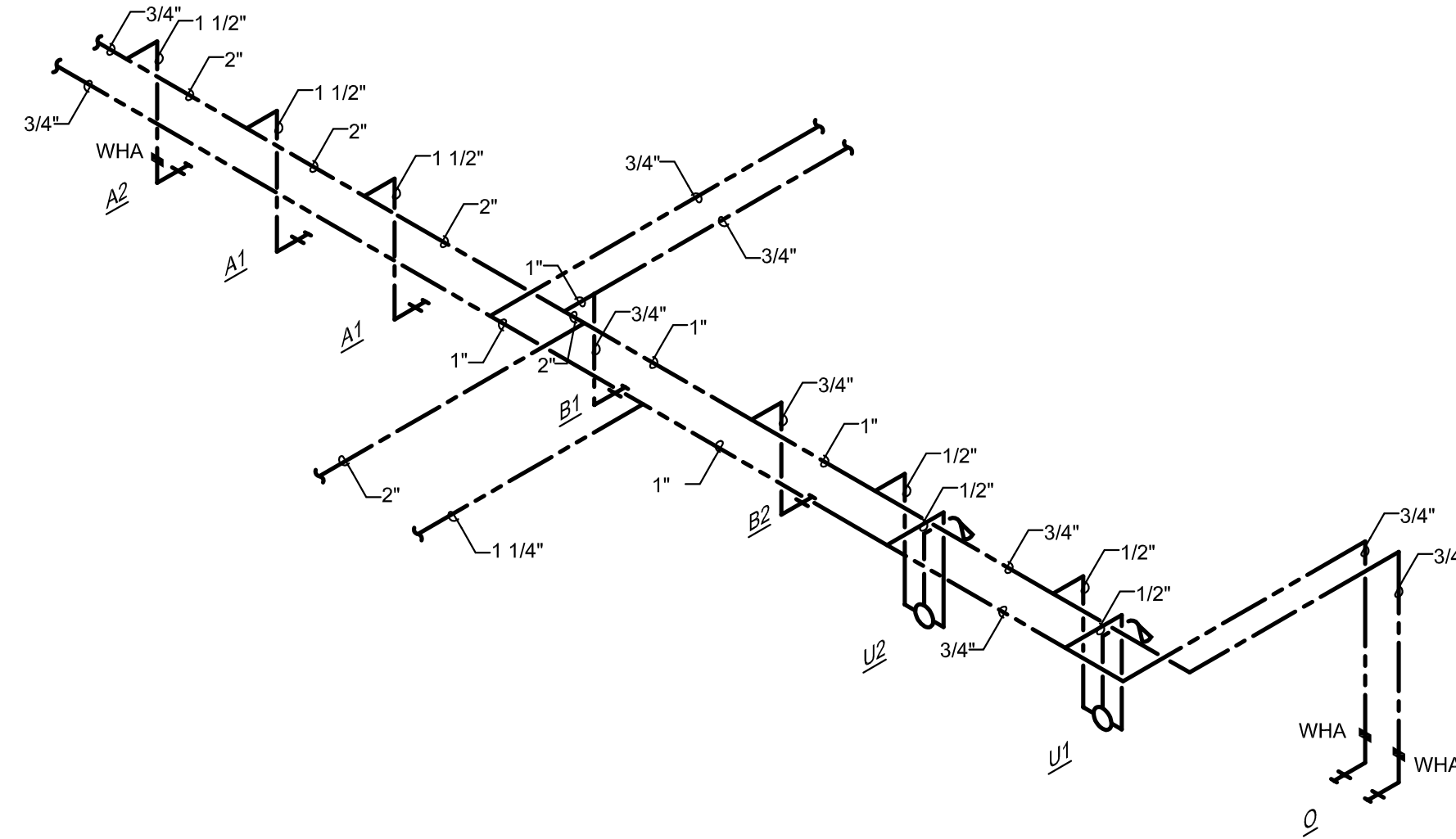


SHERIFF'S OFFICE RECRUITMENT ACADEMY RESTROOM REMODEL
 TARRANT COUNTY RESOURCE CENTER
 1500 CIRCLE DR., SUITE 200 FORT WORTH, TEXAS 76119
 PLUMBING PROPOSED FLOOR PLAN

SHEET SIZE	22X34 ANSI D
SCALE	1/4"=1'-0"
KAI JOB NUMBER	2017.501
DATE	01/20/2023

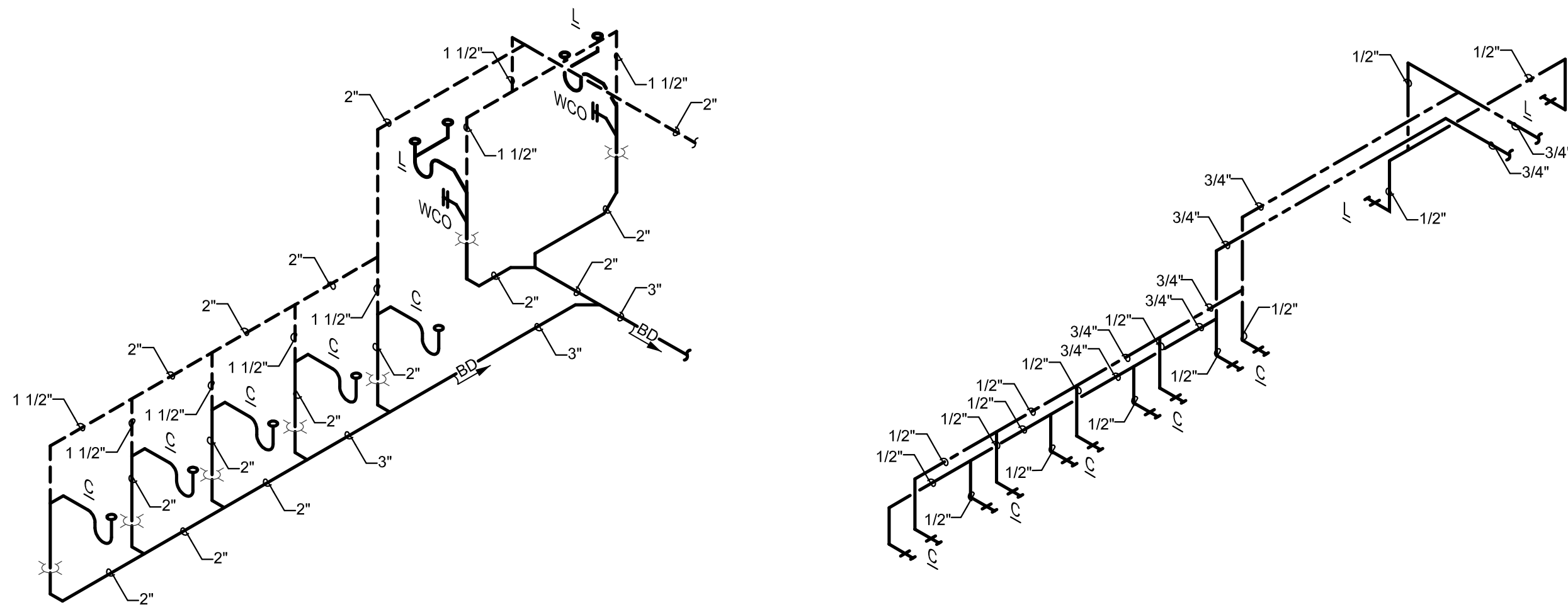


SANITARY WASTE AND VENT



DOMESTIC WATER

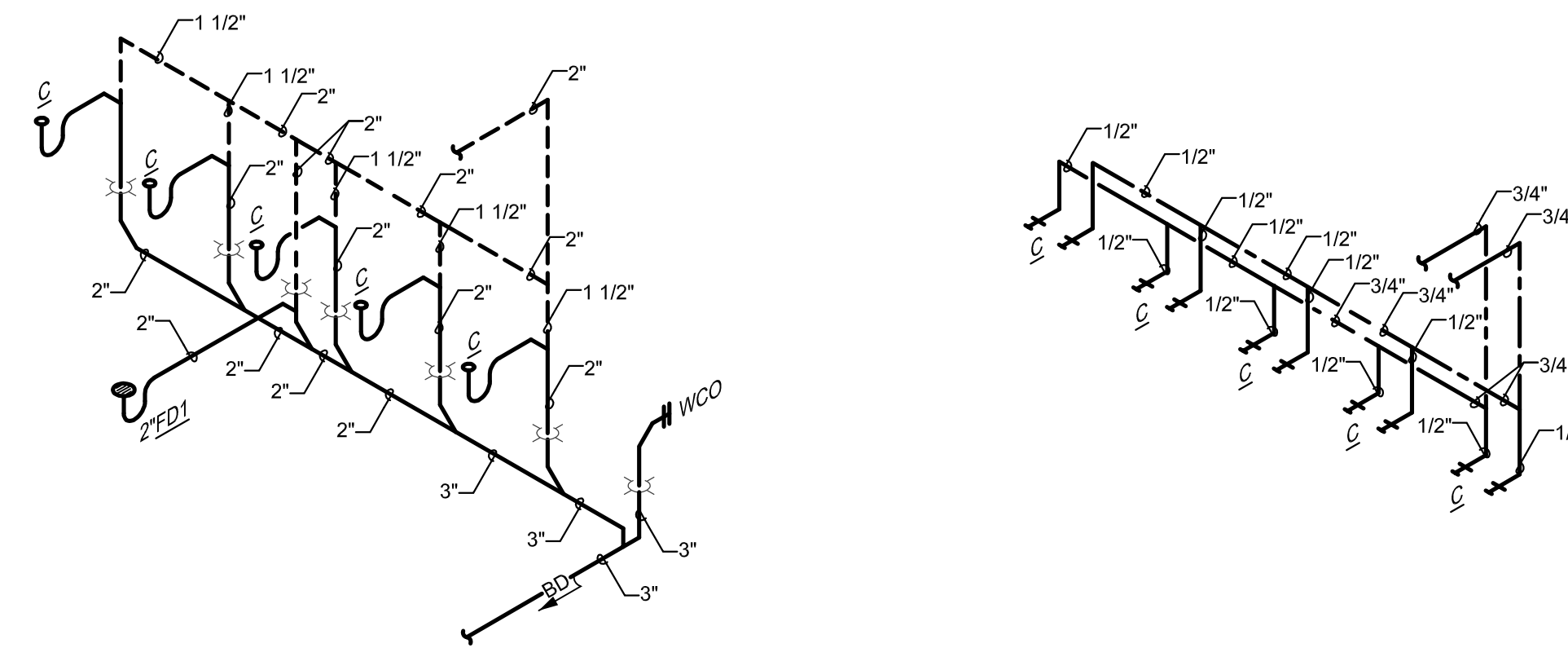
1 ISOMETRIC RISER DIAGRAMS
P3.01 NO SCALE



SANITARY WASTE AND VENT

DOMESTIC WATER

2 ISOMETRIC RISER DIAGRAMS
P3.01 NO SCALE



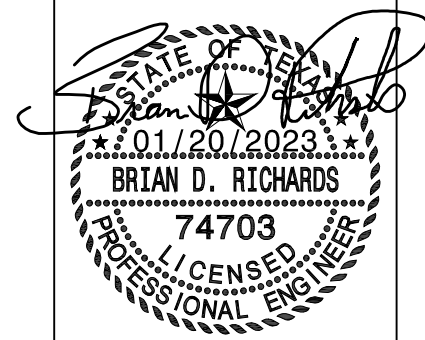
SANITARY WASTE AND VENT

DOMESTIC WATER

3 ISOMETRIC RISER DIAGRAMS
P3.01 NO SCALE

SYMBOL	DESCRIPTION	DATE	APPROVED

KOMATSU
ARCHITECTURE
100% BID SUBMITTAL



SHERIFF'S OFFICE RECRUITMENT ACADEMY RESTROOM REMODEL
TARRANT COUNTY RESOURCE CENTER
1500 CIRCLE DR., SUITE 200 FORT WORTH, TEXAS 76119
ISOMETRIC RISER DIAGRAMS

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SHEET SIZE	22X34 ANSI D
SCALE	
K&J JOB NUMBER	2017.501
DATE	01/20/2023

P3.01