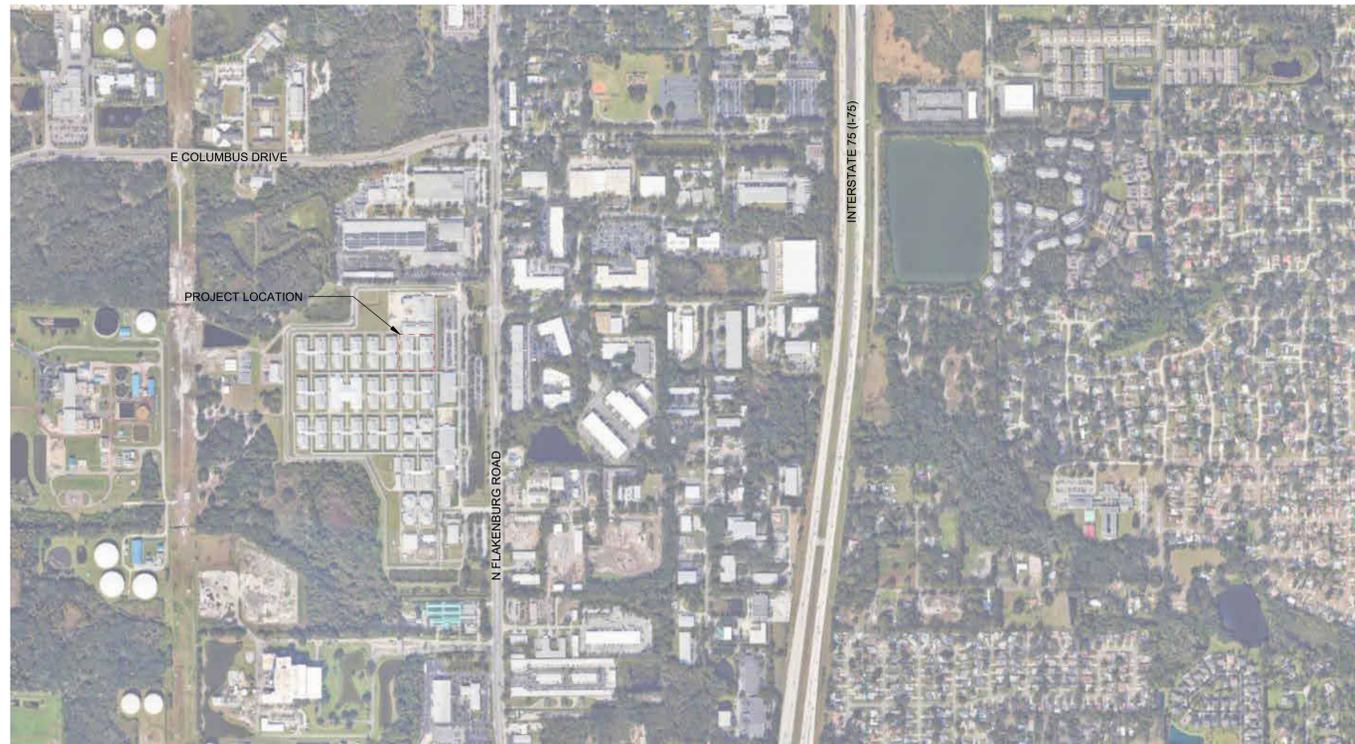


# HCSO MENTAL HEALTH POD

520 N FALKENBURG ROAD  
TAMPA, FLORIDA 33619

24001.01

#	ISSUED FOR	DATE
	DESIGN DEVELOPMENT	06.20.24
	75% CD (OWNER APPROVAL)	07.26.24
	PERMIT BID	08.30.24
	ADDENDUM 4	09.04.24
1	ADDENDUM 3	09.20.24



PROJECT VICINITY MAP  
NOT TO SCALE



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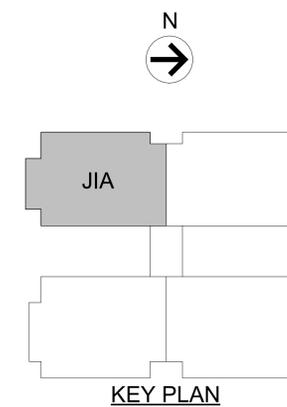
[lunz.com](http://lunz.com)



**ARCHITECTURAL:**  
THE LUNZ GROUP  
58 LAKE MORTON DRIVE  
LAKELAND, FLORIDA 33801

**MEPFP:**  
MES GROUP  
550 NORTH REO  
STREET SUITE 203  
TAMPA, FL 33609

**STRUCTURAL:**  
GEORGE F. YOUNG, INC.  
1408 N WESTSHORE BLVD, SUITE 205  
TAMPA, FLORIDA 33607



## PROJECT INFORMATION

PROJECT NAME: HSCO MENTAL HEALTH CLINIC - JIA  
 PROJECT LOCATION: 520 N. FALKENBURG ROAD  
 TAMPA, FLORIDA 33619

## PROJECT DESCRIPTION

RENOVATION OF EXISTING MEDICAL OFFICE SPACE TO BUSINESS OFFICE SPACE AND INSTITUTIONAL SPACE. INSTITUTIONAL SPACE INCLUDES ISOLATION AND HOLDING CELLS, RESTROOMS, SHOWERS, GENERAL INMATE SLEEPING AREAS. SCOPE INCLUDES THE ADDITION OF A SECURED OUTSIDE RECREATION YARD TO MATCH EXISTING JID YARD.

## BUILDING DATA:

SQUARE FOOTAGES:  
 OFFICE/BUSINESS: 2,622 SF  
 INSTITUTIONAL GROUP I-3: 8,037 SF  
 RENOVATION SQUARE FOOTAGE: 10,659 SF  
 TOTAL SQUARE FOOTAGE: 21,318 SF

## FLOOD DESIGN DATA:

N/A

## CLADDING DESIGN DATA:

N/A

## CODE REFERENCE

APPLICABLE CODES:

FLORIDA BUILDING CODE: EIGHTH EDITION 2023  
 FLORIDA EXISTING BUILDING: EIGHTH EDITION 2023  
 FLORIDA ACCESSIBILITY CODE: EIGHTH EDITION 2023  
 FLORIDA MECHANICAL CODE: EIGHTH EDITION 2023  
 FLORIDA PLUMBING CODE: EIGHTH EDITION 2023  
 FLORIDA FIRE PREVENTION CODE: EIGHTH EDITION 2023  
 NFPA 70: NATIONAL ELECTRICAL CODE (EXCEPT ARTICLE 80): 2020

OCCUPANCY (FBC CHAPTER 3):

INSTITUTIONAL - GROUP I-3  
 BUSINESS - GROUP B

CLASSIFICATION OF WORK (FBC EXISTING BLDG CHAPTER 6):

ALTERNATION - LEVEL 2  
 CHANGE OF OCCUPANCY

GENERAL BUILDING LIMITATIONS (FBC TABLE 504):

TYPE 2B (UNPROTECTED, SPRINKLERED)		
	ALLOWABLE:	PROVIDED:
MAX HEIGHT	75'-0"	EXISTING
HEIGHT INCREASE (SECTION 504.2)	N/A	N/A
MAX STORIES	2	1
STORY INCREASE (SECTION 504.2)	--	--
MAX AREA (FBC TABLE 506.2)	40,000 SQ. FT.	23,214 SQ. FT.
AREA INCREASE (SECTION 506.3, SPRINKLED, 200% INCREASE)	--	--

TYPE OF CONSTRUCTION (FBC CHAPTER 6): 2B

FIRE-RESISTANCE RATING FOR BUILDING ELEMENTS: (TABLE 601)

BUILDING ELEMENT	TYPE 2B
PRIMARY STRUCTURAL FRAME	0
BEARING WALLS EXTERIOR INTERIOR	0
NON-BEARING WALLS AND PARTITIONS (INTERIOR)	0
FLOOR CONSTRUCTION AND SECONDARY MEMBERS	0
ROOF CONSTRUCTION AND SECONDARY MEMBERS	0

FIRE RATINGS (FBC CHAPTER 7):

TYPE 2B (UNPROTECTED, SPRINKLERED)		
DESCRIPTION	REQUIRED	PROVIDED:
SEPERATION OF OCCUPANCY (TABLE 508.4) GROUP B AND I-3	1 HR FIRE RATING	1 HR FIRE RATING
DOOR RATINGS AT 1 HR RATED FIRE PARTITION (TABLE 716.5)	3/4 HR FIRE RATING	3/4 HR FIRE RATING

INTERIOR FINISHES (TABLE 803.11):

OCCUPANCY	EXIT ENCLOSURES AND PASSAGEWAYS	CORRIDORS	ROOMS AND ENCLOSED SPACES
GROUP I-3	CLASS A	CLASS A	CLASS C
GROUP B	CLASS B	CLASS C	CLASS C

AUTOMATIC SPRINKLER SYSTEMS: (FBC 903.2)

GROUP I-3 : REQUIRED  
 GROUP B : NOT REQUIRED

AN AUTOMATIC SPRINKLER SYSTEM IS EXISTING TO REMAIN THROUGHOUT.

FIRE ALARM: (FBC 907, NFPA 72)

GROUP I-3 : REQUIRED  
 GROUP B : NOT REQUIRED

A MANUAL FIRE ALARM SYSTEM AND AUTOMATIC SMOKE DETECTION SYSTEM FOR ALERTING STAFF IS EXISTING TO REMAIN THROUGHOUT.

MEANS OF EGRESS (FBC CHAPTER 10)

POPULATION/ OCCUPANCY LOAD (FROM TABLE 1004.1.2)

FUNCTION OF SPACE	AREA	AREA /PERSON	OCCUPANTS
INSTITUTIONAL (I-3) - SLEEPING AREAS	8,037 SF	120 GROSS	31*
BUSINESS (B)	2,622 SF	150 GROSS	18
TOTAL OCCUPANT LOAD			49 PERSONS

\*OCCUPANT LOAD IS DETERMINED BY ACTUAL COUNT OF INMATES

MEANS OF EGRESS

(FBC CHAPTER 10)	SPRINKLERED, I-3 AND B-OCCUPANCY	
OCCUPANCY:	REQUIRED	PROVIDED
MAXIMUM TRAVEL DISTANCE (TABLE 1017.2.2)	I-3: 200'- 0" B: 300'- 0"	I-3: 138' - 6" B: 99' - 6"
MAXIMUM DEAD-END CORRIDOR (FBC 1020.4)	50'- 0"	N/A
TOTAL # OF BLDG EXITS (SECTION 1006.3.1)	2 PER STORY	3 PER STORY
TOTAL # OF SPACE EXITS (SECTION 1006.2.1)	2 IF GREATER THAN 49 OCCUPANTS	2
COMMON PATH OF EGRESS TRAVEL (SECTION 1006.3.2 (2))	100' - 0"	N/A
EGRESS STAIR WIDTH PER LEVEL (SECTION 1005.3.1)	0.3 x (0.4)=	N/A
OTHER EGRESS WIDTH PER LEVEL (SECTION 1005.3.2)	0.2 49 x (0.2)= 9.8	AT LEAST 36"
MINIMUM CORRIDOR AISLE WIDTH (TABLE 1020.2)	44"	104"
EXIT PASSAGE WAY FIRE RATING (SECTION 1023.3)	N/A	N/A
MINIMUM CLEAR OPENING OF EXIT DOORS (SECTION 1010.1.1)	32"	AT LEAST 36"

CORRIDOR FIRE RESISTANCE RATING: (FROM TABLE 1020.1)

OCCUPANCY CLASSIFICATION	OCCUPANT LOAD	FIRE RESISTANCE RATING (SPRINKLED)
GROUP I-3	49 PERSONS	1 HR
GROUP B	>30	NA

MINIMUM PLUMBING FACILITIES (FPC CHAPTER 403.1)

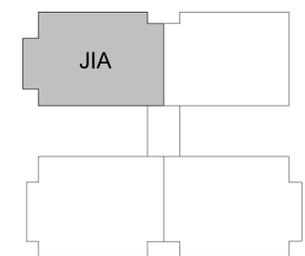
INSTITUTIONAL - 31 PERSONS  
 BUSINESS - 17 PERSONS / 9 EACH SEX

CATEGORY	WATER CLOSETS		LAVATORIES		BATH/SHOWERS		DRINKING FOUNTAINS		OTHER - SERVICE SINK
	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	REQUIRED	PROVIDED	
INSTITUTIONAL (13 CELLS / 18 GENERAL)									
CELLS	13	13	13	13	0.87	1	0.32	--	1
GENERAL	1.2	4	1.2	4	1.2	4			
BUSINESS (9 PERSONS EACH SEX)									
MALE	0.36	2*	0.23	2*	--	--	0.17	--	1
FEMALE	0.36	2*	0.23	2*	--	--			

\*FIXTURES ARE EXISTING TO REMAIN

NOTE: ALL INMATE AREAS SHALL MEET FLORIDA MODEL JAIL STANDARDS (EFFECTIVE DATE: 04.25.2024)

#	ISSUED FOR	DATE
	75% CD (OWNER APPROVAL)	07.25.24
	PERMIT/BID	08.30.24
	ADDENDUM #4	09.04.24



KEY PLAN

DRAWN BY: --  
 REVIEW BY: Project Manager

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G-001A

SHEET NO	SHEET TITLE
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GENERAL		06.20.24 DD	07.26.24 75% CD	08.30.24 PERMIT/BID	09.04.24 ADDENDUM 4	09.20.24 ADDENDUM 3
G-000A	COVER SHEET - JIA	•	•	•	•	•
G-001A	CODE DATA - JIA	•	•	•	•	•
G-002	DRAWING INDEX - JIA					
G-200A	GENERAL NOTES - JIA					
G-300A	ACCESSIBILITY & MOUNTING HEIGHTS - JIA					

LIFE SAFETY						
LS-101A	LIFE SAFETY PLAN - JIA	•	•	•	•	•

STRUCTURAL						
S-001A	COVER SHEET - JIA			•	•	
S-002	STRUCTURAL GENERAL NOTES AND ABBREVIATIONS			•	•	
S-003	COMPONENTS AND CLADDING			•	•	
S-100A	DEMOLITION PLAN - JIA			•	•	
S-101A	GROUND FLOOR PLAN - JIA			•	•	
S-102A	SECOND FLOOR FRAMING PLAN - JIA			•	•	
S-201	SCHEDULES & TYPICAL DETAILS			•	•	
S-301	TYPICAL FOUNDATION DETAILS			•	•	
S-302	TYPICAL MASONRY DETAILS			•	•	
S-303	SECTIONS & DETAILS			•	•	

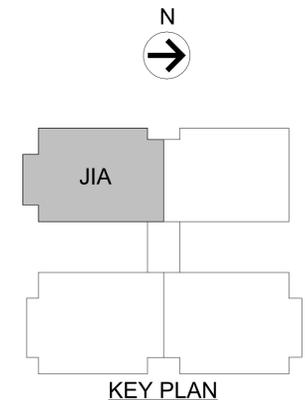
ARCHITECTURE						
AD-101A	DEMOLITION FLOOR PLAN - JIA	•	•	•	•	
A-101A	DIMENSION FLOOR PLAN - JIA	•	•	•	•	
A-102A	ANNOTATED FLOOR PLAN - JIA	•	•	•	•	
A-111A	REFLECTED CEILING PLAN - JIA	•	•	•	•	
A-401A	ENLARGED PLANS AND ELEVATIONS - JIA	•	•	•	•	
A-402A	ENLARGED RESTROOM PLANS AND ELEVATIONS - JIA	•	•	•	•	
A-403A	MILLWORK DETAILS - JIA	•	•	•	•	
A-500A	WALL TYPES - JIA	•	•	•	•	
A-601A	SCHEDULES, DOOR & WINDOW ELEVATIONS - JIA	•	•	•	•	•
A-602A	ROOM FINISH PLAN & SCHEDULE - JIA	•	•	•	•	

MECHANICAL						
M-001A	MECHANICAL NOTES, LEGENDS & ABBREVIATIONS - JIA	•	•	•	•	
MD-101A	PARTIAL FLOOR PLAN - MECHANICAL DEMOLITION - JIA	•	•	•	•	
MH-101A	PARTIAL FLOOR PLAN - MECHANICAL DUCTWORK - JIA	•	•	•	•	
M-401A	MECHANICAL SECTION VIEWS - JIA	•	•	•	•	
M-501A	MECHANICAL DETAILS - JIA	•	•	•	•	
M-601A	MECHANICAL SCHEDULES - JIA	•	•	•	•	

ELECTRICAL						
E-001A	ELECTRICAL LEGENDS & ABBREVIATIONS - JIA	•	•	•	•	
ED-101A	PARTIAL FLOOR PLAN - LIGHTING DEMOLITION - JIA	•	•	•	•	
ED-102A	PARTIAL FLOOR PLAN - ELECTRICAL DEMOLITION - JIA	•	•	•	•	
E-101A	PARTIAL FLOOR PLAN - LIGHTING - JIA	•	•	•	•	
E-102A	PARTIAL FLOOR PLAN - POWER - JIA	•	•	•	•	
E-501A	ELECTRICAL DETAILS - JIA	•	•	•	•	
E-601A	ELECTRICAL RISER AND SCHEDULES - JIA	•	•	•	•	

PLUMBING						
P-001A	PLUMBING NOTES, LEGENDS & SCHEDULES - JIA	•	•	•	•	
PD-101A	PLUMBING DEMOLITION PLAN - SANITARY AND VENT - JIA	•	•	•	•	
PD-201A	PLUMBING AND DEMOLITION PLAN - DOMESTIC WATER - JIA	•	•	•	•	
P-101A	PLUMBING RENOVATION PLAN - SANITARY AND VENT - JIA	•	•	•	•	
P-201A	PLUMBING RENOVATION PLAN - DOMESTIC WATER - JIA	•	•	•	•	
P-401A	PLUMBING RENOVATION - ENLARGED PLANS - JIA	•	•	•	•	
P-501A	PLUMBING DETAILS - JIA	•	•	•	•	
P-901A	SANITARY & VENT ISOMETRIC - JIA	•	•	•	•	
P-902A	DOMESTIC WATER ISOMETRIC - JIA	•	•	•	•	

FIRE PROTECTION (FOR REFERENCE ONLY)						
F-001A	NOTES & LEGENDS - FIRE PROTECTION - JIA	•	•	•	•	
FD-101A	FIRE PROTECTION DEMOLITION PLAN - JIA	•	•	•	•	
F-101A	FIRE PROTECTION RENOVATION PLAN - JIA	•	•	•	•	



#	ISSUED FOR	DATE
	PERMIT/BID	08.30.24
	ADDENDUM 4	09.04.24
1	ADDENDUM 3	09.20.24

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REVIEW BY: Project Manager  
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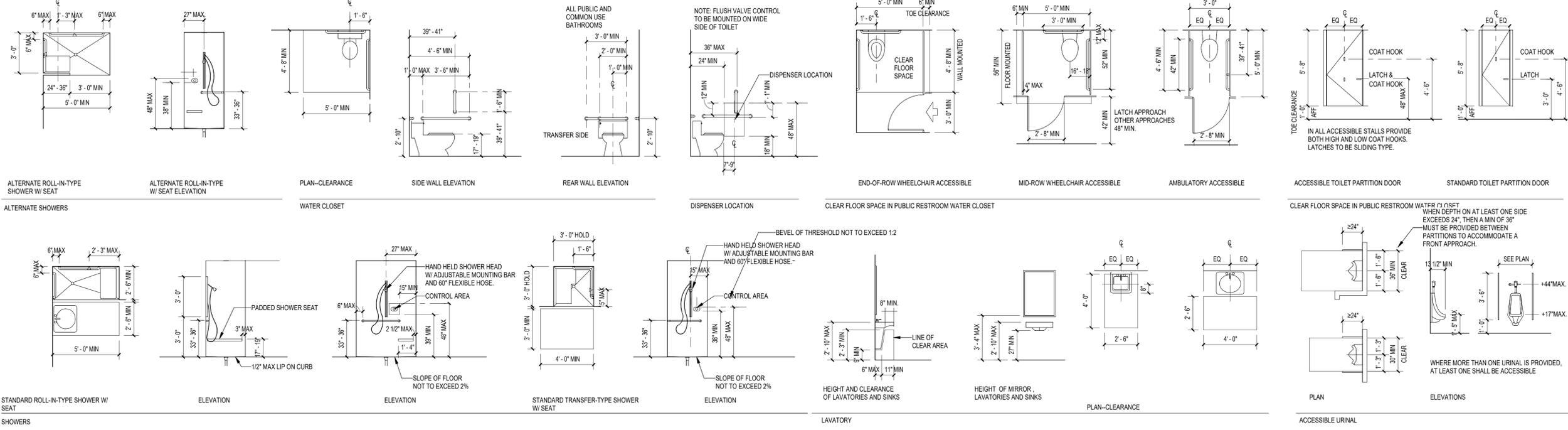
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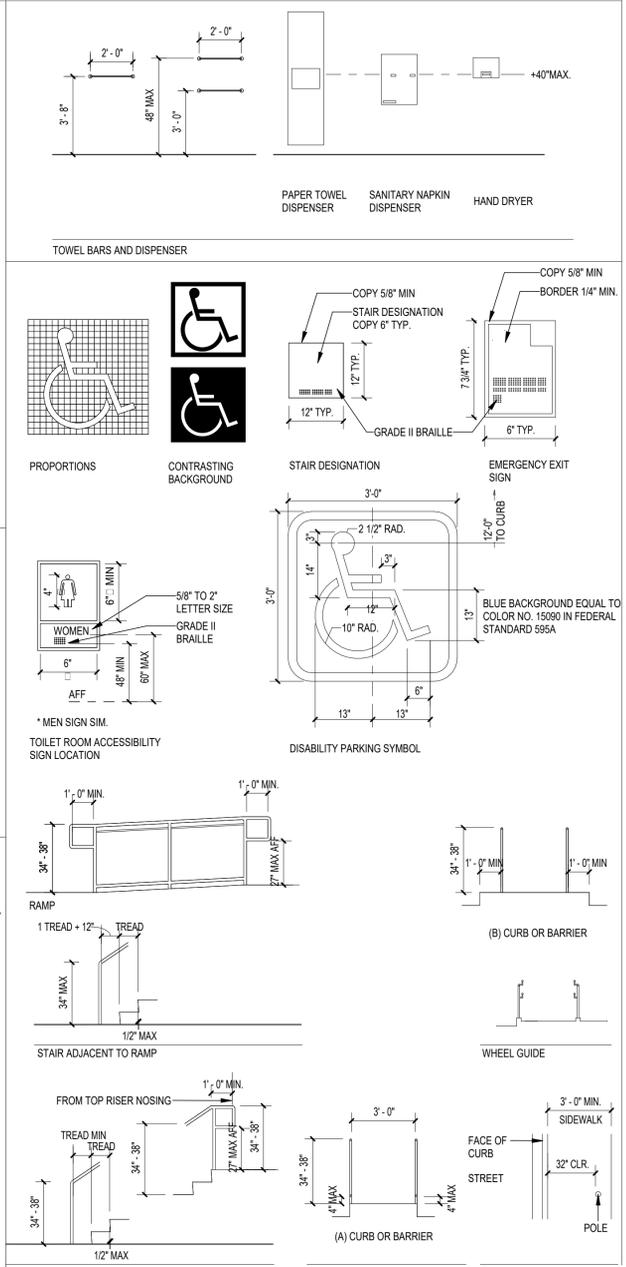
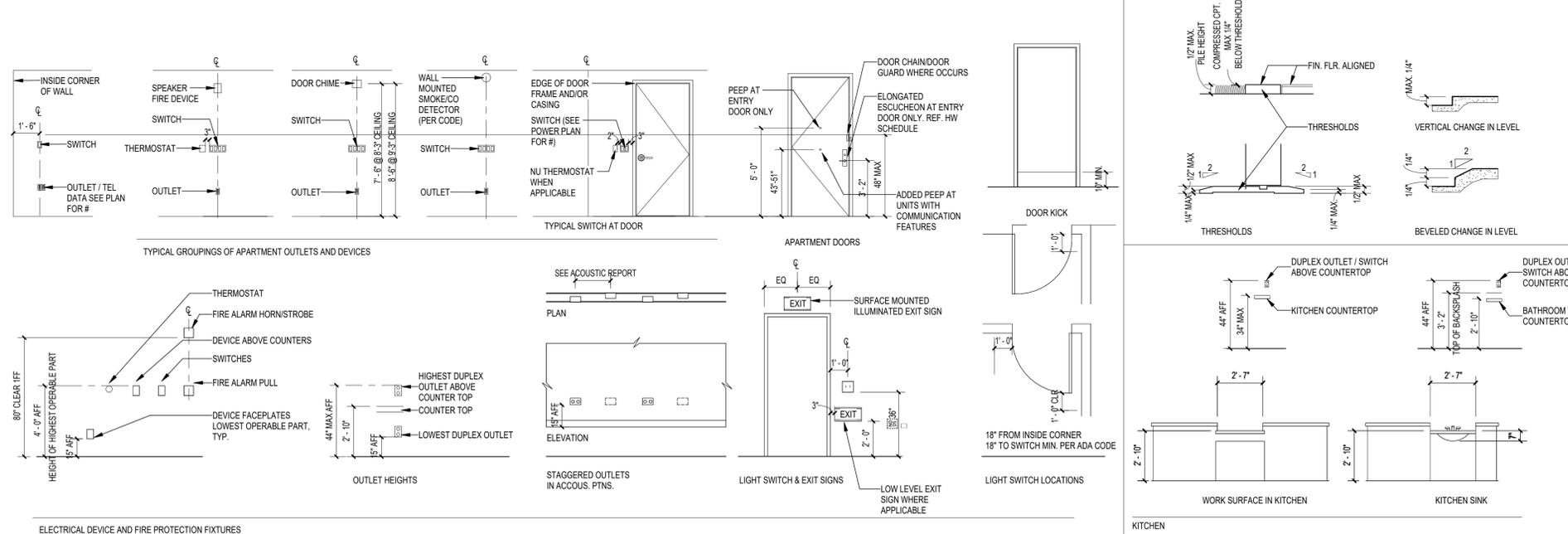
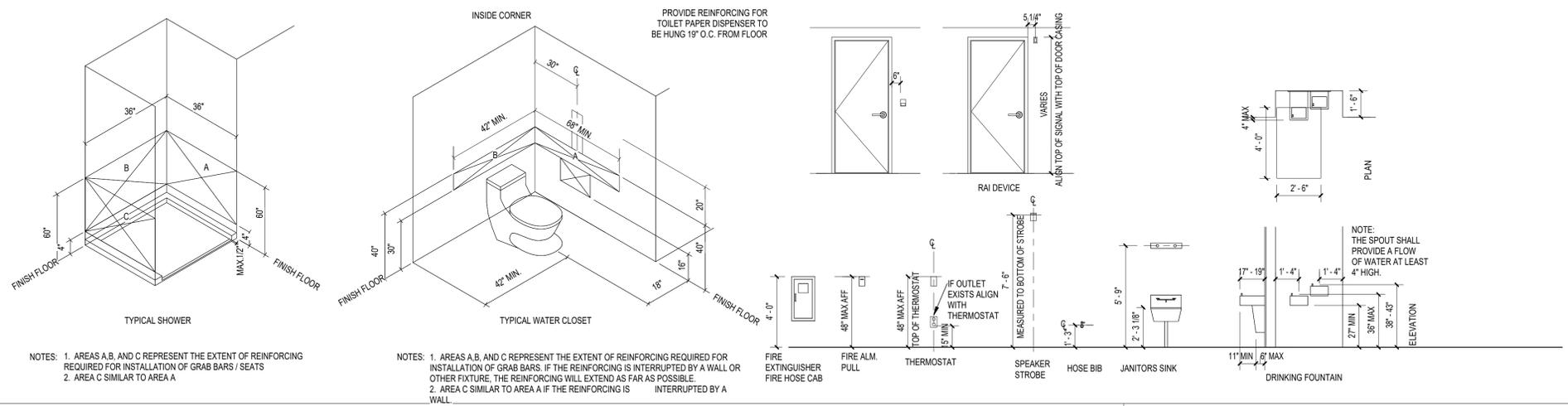
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**G-002**





6 ACCESSIBILITY STANDARDS MOUNTING HEIGHTS AND CLEARANCES FOR BATHROOMS  
1/4" = 1'-0"



HCSO MENTAL HEALTH POD

520 N FALKENBURG ROAD  
TAMPA, FLORIDA 33619

ACCESSIBILITY & MOUNTING HEIGHTS - JIA

#	ISSUED FOR	DATE
	DESIGN DEVELOPMENT	08.20.24
	75% CD (OWNER APPROVAL)	07.25.24
	PERMIT BID	08.30.24
	ADDENDUM #4	09.24.24

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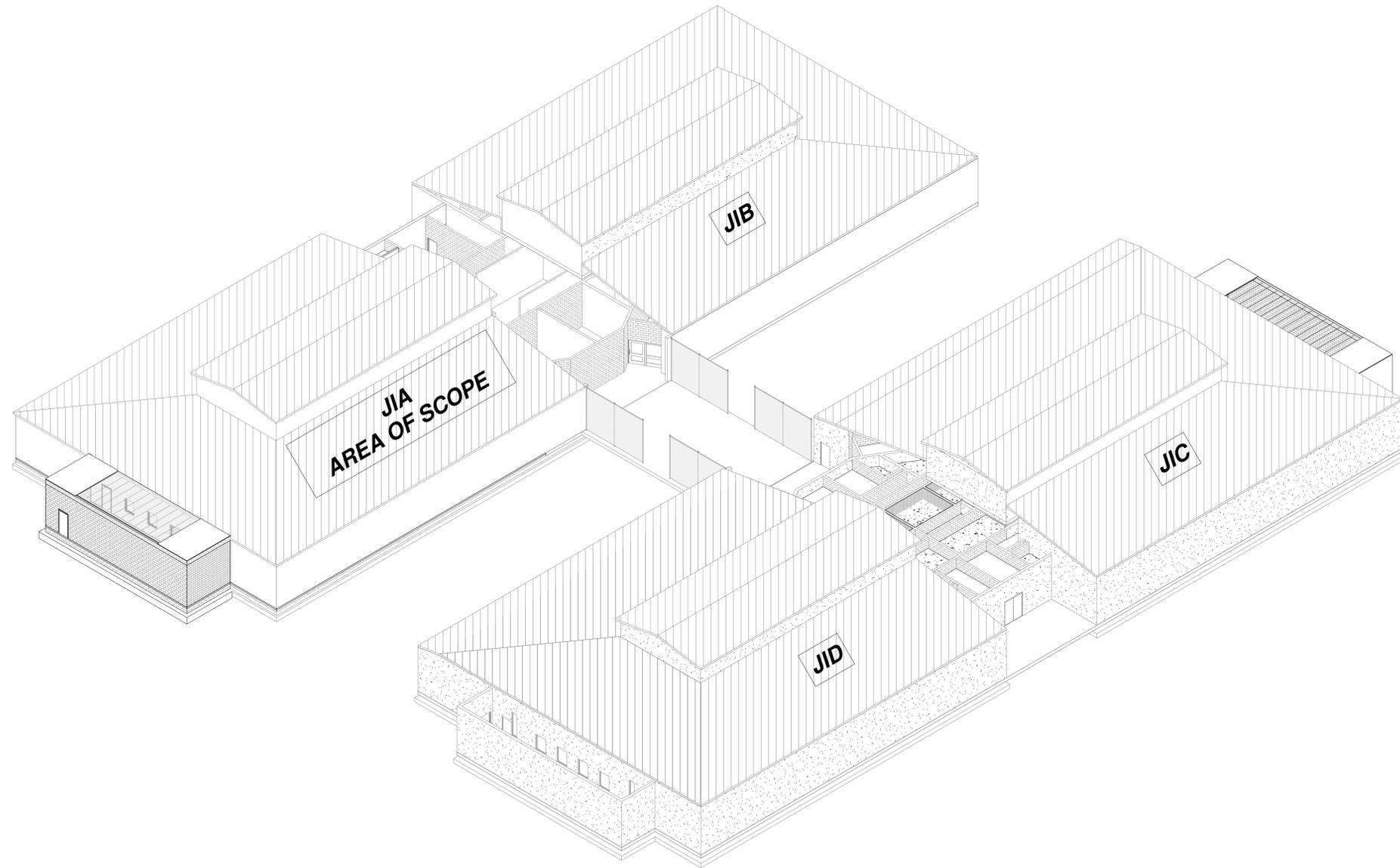
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G-300A





SHEET INDEX - JIA				
SHT NO#	SHEET NAME	REVIEW SET 08.14.2024	PERMIT/BID SET 08.30.2024	ADDENDUM # 09.04.2024
S-001A	COVER SHEET - JIA	•	•	•
S-002	STRUCTURAL GENERAL NOTES AND ABBREVIATIONS	•	•	•
S-003	COMPONENTS AND CLADDING	•	•	•
S-100A	DEMOLITION PLAN - JIA	•	•	•
S-101A	GROUND FLOOR PLAN - JIA	•	•	•
S-102A	SECOND FLOOR FRAMING PLAN - JIA	•	•	•
S-201	SCHEDULES & TYPICAL DETAILS	•	•	•
S-301	TYPICAL FOUNDATION DETAILS	•	•	•
S-302	TYPICAL MASONRY DETAILS	•	•	•
S-303	SECTIONS & DETAILS	•	•	•

THE  
**LUNZ**  
GROUP



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ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21  
CIVIL, TRANSPORTATION, SUBSURFACE & STRUCTURAL ENGINEERING  
ECOLOGY | GIS | PLANNING | SURVEYING  
ST. PETERSBURG • LAKEWOOD RANGE • TAMPA • GAINSVILLE • LAKE WALES  
PUNTA GORDA

HCSO MENTAL HEALTH POD - JIA

2310 N. FALKENBURG ROAD  
TAMPA, FLORIDA 33619

COVER SHEET - JIA

1 ISOMETRIC VIEW - JIA

ISOMETRIC VIEW IS A GRAPHICAL REPRESENTATION ONLY AND SHALL NOT BE USED FOR CONSTRUCTION PURPOSES

NOT FOR CONSTRUCTION

#	ISSUED FOR	DATE
	REVIEW	08.14.2024
	PERMIT/BID	08.30.2024
	ADDENDUM #1	09.04.2024

DRAWN BY: GFY  
REVIEW BY: YA / DD

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S-001A

# STRUCTURAL GENERAL NOTES

**CN. GENERAL**

1 THE STRUCTURAL DRAWINGS AND SPECIFICATIONS ARE A PORTION OF THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR AND SUBCONTRACTORS SHALL REFERENCE AND COORDINATE WITH ALL OTHER DISCIPLINE'S DRAWINGS. ANY DISCREPANCIES OR OMISSIONS SHALL BE REPORTED TO THE STRUCTURAL ENGINEER AND ARCHITECT.

2 DESIGN CRITERIA:  
**A** GENERAL BUILDING CODE: 2023 FLORIDA BUILDING CODE, 8TH EDITION (2023)  
**B** DESIGN LOAD CRITERIA: MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES, AMERICAN SOCIETY OF CIVIL ENGINEERS, ASCE 7  
**C** STRUCTURAL STEEL: SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION, AISC 360  
**D** COLD-FORMED STEEL FRAMING: NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, AMERICAN IRON AND STEEL INSTITUTE, AISI S100

3 DESIGN LOADS  
**A** DEAD LOADS (PSF):  
 ROOF-----20  
 FLOOR (SELF WEIGHT+15 SUPERIMPOSED)-----55  
 ANY CHANGES IN CONSTRUCTION MATERIALS FROM THOSE SHOWN ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS SHALL BE REPORTED BY THE CONTRACTOR THE STRUCTURAL ENGINEER OF RECORD FOR VERIFICATION OF LOAD-CARRYING CAPACITY.  
**B** LIVE LOADS (PSF):  
 ROOF (REDUCIBLE)-----20  
 FLOOR-----40  
**C** WIND LOADS:  
 ULTIMATE DESIGN WIND SPEED, VuT (MPH)-----149  
 ALLOWABLE DESIGN WIND SPEED, Vsd (MPH)-----115.4  
 RISK CATEGORY-----III  
 EXPOSURE CATEGORY-----C  
 INTERNAL PRESSURE COEFFICIENT-----0.18  
 FOR WALL COMPONENT AND CLADDING PRESSURES - SEE TYPICAL DETAILS

4 EXISTING CONDITION:  
**A** CONTRACTOR TO VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS PRIOR TO FABRICATION AND CONSTRUCTION. NOTIFY STRUCTURAL ENGINEER AND ARCHITECT OF ANY DISCREPANCIES PRIOR TO FABRICATION AND CONSTRUCTION.

5 SUBMITTALS:  
**A** REVIEW OF SHOP DRAWINGS AND OTHER SUBMITTALS BY THE STRUCTURAL ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTING TO THE STRUCTURAL ENGINEER. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF THE SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. ALL SHOP DRAWINGS MUST BE REVIEWED AND "APPROVED" BY THE CONTRACTOR PRIOR TO SUBMITTAL.  
**B** ELECTRONIC SHOP DRAWINGS ARE TO BE SUBMITTED TO THE STRUCTURAL ENGINEER IN .PDF FORMAT.  
**C** RESUBMITTED SHOP DRAWINGS SHALL HAVE ALL NOTED CHANGES SINCE THE PREVIOUS SUBMISSION IDENTIFIED BY CLOUDING OR OTHERWISE CLEARLY IDENTIFIED.  
**D** SHOP DRAWINGS: THE CONTRACTOR SHALL SUBMIT FOR REVIEW ALL SHOP DRAWINGS AND DELEGATED DESIGN DRAWINGS REFERENCED ON THE SUBMITTAL SCHEDULE SHOWN IN TYPICAL DETAILS. DELEGATED DESIGN DRAWINGS ARE TO BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE WHERE THE PROJECT IS LOCATED. CALCULATIONS SIGNED AND SEALED BY THE LICENSED ENGINEER SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW.

6 ALL DETAILS SHOWN IN THE DRAWINGS ARE TYPICAL. SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS.

7 THE CONTRACTOR IS RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCING, AND PROCEDURE OF CONSTRUCTION.

8 CONSTRUCTION MATERIALS SHALL BE SPREAD OUT IF PLACED ON FRAMED FLOORS/ROOFS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT CONSTRUCTION LOADS DO NOT EXCEED THE NOTED DESIGN LIVE LOADS.

**FD. FOUNDATION:**

1 THE FOUNDATIONS FOR THIS PROJECT HAS BEEN ENGINEERED ASSUMING THE SOIL IS SUITABLE TO SUPPORT 2000 PSF SPREAD FOOTINGS. G.C./OWNER SHOULD OBTAIN A SITE SPECIFIC SOIL REPORT FOR THIS LOCATION. ANY DISCREPANCY, IN ANY SOIL CONDITION, MUST BE INFORMED TO ENGINEER OF RECORD ALONG WITH THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. THIS MAY RESULT IN REVISIONS TO THE FOUNDATION PLAN.  
 2 SUBGRADE PREPARATION MUST BE AS NEEDED TO OBTAIN THE SAFE BEARING PRESSURE DEFINED ABOVE. ALL ORGANICS AND UNSUITABLE SOIL MUST BE REMOVED AND A MINIMUM OF 98% COMPACTION MUST BE OBTAIN UNLESS GEOTECHNICAL ENGINEER RECOMMENDATIONS ALLOW A LOWER PERCENT OF COMPACTION.

**MA. MASONRY**

1 MASONRY CONSTRUCTION SHALL CONFORM TO TMS 402/602.  
 2 CONCRETE MASONRY UNITS (CMU) SHALL BE NORMAL WEIGHT (DENSITY = 125 PCF), CONFORMING TO ASTM C90, UNLESS NOTED.  
 3 COMPRESSIVE STRENGTH OF MASONRY (F'm) IS 2000 PSI AT 28 DAYS.  
 4 COMPRESSIVE STRENGTH OF GROUT (F'g) IS 2500 PSI AT 28 DAYS. GROUT SHALL CONFORM TO ASTM C476 AND BE PLACED IN ACCORDANCE WITH TMS 602.  
 5 MORTAR SHALL CONFORM TO ASTM C270, TYPE S OR M FOR TYPICAL CONDITIONS (TYPE M FOR BASEMENT WALLS).  
 6 MASONRY WALLS SHALL BE LAID IN RUNNING BOND, UNLESS NOTED.  
 7 ALL BLOCK CELLS BELOW GRADE SHALL BE FILLED WITH CONCRETE OR GROUT.  
 8 SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF CONTROL JOINTS AND OPENINGS.  
 9 REINFORCING BARS USED IN MASONRY SHALL MEET ASTM A615, GRADE 60.  
 10 CONDUIT, PIPING, AND SLEEVES OF ANY MATERIAL TO BE EMBEDDED IN MASONRY SHALL COMPLY WITH THE FOLLOWING REQUIREMENTS:  
 1 CANNOT BE MADE OF ALUMINUM.  
 2 CANNOT PASS THROUGH JAMBS, LINTELS, BOND BEAMS, OR SHEAR WALLS WITHOUT APPROVAL BY THE STRUCTURAL ENGINEER.  
 3 REINFORCEMENT BARS CANNOT BE CUT, BENT, OR DISPLACED.  
 4 SPACING OF CONDUIT, PIPE, OR SLEEVE SHALL NOT BE CLOSER THAN 3 DIAMETERS ON CENTER. MINIMUM SPACING OF DIFFERENT DIAMETERS SHALL BE DETERMINED BY THE LARGER DIAMETER.  
 11 TEMPORARY BRACING OF MASONRY WALLS IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL REMAIN IN PLACE UNTIL PERMANENT RESTRAINT IS PROVIDED.  
 12 PROVIDE 9 GAUGE GALVANIZED HORIZONTAL JOINT REINFORCING (OUR-0-WALL OR ENGINEER APPROVED SUBSTITUTION) AT ALTERNATE BLOCK COURSES 16" OC VERTICALLY.

**STRUCTURAL DEMOLITION:**

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SELECTING METHODS OF DEMOLITION SO THAT THE REMAINING STRUCTURE WILL NOT BE IMPAIRED OR DAMAGED.  
 2. SAKCUTTING AND CORING SHALL BE UTILIZED TO THE FULLEST EXTENT POSSIBLE. ISOLATE CONSTRUCTION TO BE REMOVED FROM THE STRUCTURE TO REMAIN.  
 3. ONLY OVERCUT OPENINGS WHERE INDICATED. USE APPROPRIATE SIZE CORES AT CORNERS SO THAT OVERCUTTING AT CORNERS WILL NOT BE NECESSARY. USE CHIPPING TOOLS WHERE CORNERS ARE REQUIRED TO BE SQUARE.  
 4. METHODS OF TRANSPORTING DEBRIS THROUGH THE BUILDING SHALL NOT OVERLOAD THE EXISTING OR NEW STRUCTURE.  
 5. CONTRACTOR SHALL PROVIDE SHORING AS REQUIRED TO SUPPORT THE STRUCTURE WHEN NEW WORK TO STRENGTHEN THE STRUCTURE CANNOT BE INSTALLED PRIOR TO DEMOLITION. MAINTAIN SHORING UNTIL NEW WORK HAS ATTAINED DESIGN STRENGTH.

**SS. STRUCTURAL STEEL**

1 FABRICATE AND ERECT ALL STRUCTURAL STEEL IN ACCORDANCE WITH AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".  
 2 THE STEEL FRAME IS "NON-SELF-SUPPORTING". ADEQUATE TEMPORARY SUPPORT MUST BE PROVIDED BY THE CONTRACTOR TILL THE LATERAL FORCE RESISTING SYSTEM ELEMENTS AND STABILITY OF THE STRUCTURE IS IN PLACE.  
 3 STRUCTURAL STEEL AND STRUCTURAL STEEL CONNECTIONS MUST CONFORM TO THE FOLLOWING MINIMUM REQUIREMENTS, UNLESS NOTED ELSEWHERE IN THE DOCUMENTS.  
**A** WIDE FLANGE (W & WT) SHAPES-----ASTM A992  
**B** MISCELLANEOUS (M & MT), AMERICAN STANDARD (S & ST), AND WIDE FLANGE BEARING PILES (HP) SHAPES-----ASTM A572 GR. 50  
**C** CHANNELS (C & MC), ANGLES (L)-----ASTM A36  
**D** STIFFENER PLATES, BASE PLATES, CAP PLATES, AND OTHER CONNECTION PLATES-----ASTM A572 GR. 50  
**E** HOLLOW STRUCTURAL SECTION (HSS)-----ASTM A500, GR. C  
**F** STEEL PIPE-----ASTM A53, GR. B  
**G** HEADED STUDS-----ASTM A108  
**H** BOLTS-----ASTM F3125  
**I** NUTS-----ASTM A56  
**J** ANCHOR RODS-----ASTM F1554 GR. 36  
**K** THREADED ROD-----ASTM A36  
**L** WASHERS (FOR STRUCTURAL BOLTS)-----ASTM F436  
**M** WASHERS (FOR ANCHOR BOLTS)-----ASTM A36  
**N** WELDED CONNECTIONS-----E70XX ELECTRODES

4 BEAMS ARE TO BE SPACED EQUALLY IN BAYS, UNLESS DIMENSIONED ON PLAN.  
 5 BEAMS SHALL BE ERECTED WITH NATURAL CAMBER ORIENTED UPWARDS.  
 6 FABRICATE BRACING MEMBERS WITH SUFFICIENT DRAW TO PREVENT SAGGING.  
 7 HSS MEMBERS SHALL HAVE 1/4" CLOSURE PLATE.  
 8 GROUT UNDER BASE PLATES SHALL BE NON-SHRINK, NON-METALLIC TYPE. GROUT SHALL HAVE SPECIFIED DESIGN COMPRESSIVE STRENGTH TWO TIMES THAT OF THE SUPPORTING CONCRETE.  
 9 STRUCTURAL STEEL MEMBERS SHALL NOT BE CUT, SPLICED, OR MODIFIED IN THE FIELD UNLESS NOTED ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE STRUCTURAL ENGINEER OF RECORD.  
 10 STRUCTURAL STEEL NOT EXPOSED TO VIEW SHALL BE PRIMED WITH THE MANUFACTURER'S STANDARD SHOP PRIMER. STRUCTURAL STEEL EXPOSED TO WEATHER IN ITS FINAL POSITION SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A123. STRUCTURAL STEEL EXPOSED TO VIEW, REFER TO PROJECT SPECIFICATIONS FOR FINISHED COATING SYSTEM.  
 11 CONNECTION WORK LINES SHOWN IN THE TYPICAL DETAILS ARE ALONG THE MEMBERS NEUTRAL AXIS UNLESS NOTED.  
 12 ALL WELD SHALL CONFORM TO THE AMERICAN WELDING SOCIETY STANDARDS AND MUST BE PERFORMED BY A CERTIFIED WELDER.  
 13 ALL WELD SIZES SHOWN IN THE DRAWINGS ARE CONSIDERED EFFECTIVE WELD SIZES.  
 14 ALL BOLTED CONNECTIONS SHALL BE BEARING TYPE CONNECTIONS.  
 15 ALTERNATE CONNECTION DETAILS FROM THOSE SHOWN IN THE TYPICAL DETAILS SHALL BE SUBMITTED BY THE CONTRACTOR TO THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD FOR APPROVAL.

**CN. CONCRETE**

1 CONCRETING OPERATIONS SHALL COMPLY WITH ACI STANDARDS.  
 2 FOR MINIMUM CONCRETE COMPRESSIVE STRENGTHS, SEE TABLE IN TYPICAL DETAILS.  
 3 REINFORCING BARS USED IN CONCRETE SHALL MEET ASTM A615, GRADE 60.  
 4 WELDED WIRE REINFORCEMENT (WWR) USED IN CONCRETE SHALL MEET ASTM A185. MINIMUM LAB AND EMBEDMENT TO BE THE GREATER OF ONE CROSS WIRE SPACING + 2", OR 6".  
 5 FOR REINFORCEMENT COVER REQUIREMENTS, SEE TABLE IN TYPICAL DETAILS.  
 6 REINFORCING BARS SHOWN IN SECTIONS AND DETAILS ARE A SCHEMATIC REPRESENTATION OF THE MEMBER REINFORCEMENT. SEE SCHEDULES, SECTION NOTES, AND GENERAL NOTES FOR ACTUAL REINFORCEMENT REQUIRED. DO NOT SCALE OFF OF SECTIONS.  
 7 DETAILING, FABRICATION, AND PLACEMENT OF REINFORCEMENT AND ANY ACCESSORIES SHALL BE IN ACCORDANCE WITH ACI 315, GUIDE TO PRESENTING REINFORCING STEEL DESIGN DETAILS. FABRICATION OF REINFORCEMENT STEEL CANNOT BEGIN TILL ENGINEER OF RECORD HAS REVIEWED AND APPROVED SHOP DRAWINGS. SEE SUBMITTAL SCHEDULE FOR SHOP DRAWING REQUIREMENTS.  
 8 SPLICES SHALL BE CLASS "B" TENSION LAP SPLICES UNLESS NOTED. REINFORCEMENT MARKED CONTINUOUS SHALL BE SPLICED WITH A CLASS "B" TENSION LAP SPLICE. BARS SHALL BE IN CONTACT WHEN MAKING A LAP SPLICE UNLESS OTHERWISE NOTED.  
 9 DO NOT WELD REINFORCEMENT WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD.

ABBREVIATIONS			
ADDL	- ADDITIONAL	LLH	- LONG LEG HORIZONTAL
AR	- ANCHOR ROD	LLV	- LONG LEG VERTICAL
ALT	- ALTERNATE	LP	- LOW POINT
APPROX	- APPROXIMATELY	LW	- LONG WAY
ARCH	- ARCHITECT	LWT	- LIGHTWEIGHT
ARCH/L	- ARCHITECTURAL	MFR	- MANUFACTURER
B/	- BOTTOM OF	MAS	- MASONRY
BC	- BOTTOM CHORD	MO	- MASONRY OPENING
BLDG	- BUILDING	MATL	- MATERIAL
BM	- BEAM	MAX	- MAXIMUM
BOTT	- BOTTOM	MECH/L	- MECHANICAL
BRG	- BEARING	MTL	- METAL
C/C	- CENTER TO CENTER	MIN	- MINIMUM
CF	- CONTINUOUS FOOTING	MISC	- MISCELLANEOUS
CIP	- CAST IN PLACE	NS	- NEAR SIDE
CJ	- CONTRACTION JOINT	NIC	- NOT IN CONTRACT
CJP	- COMPLETE JOINT PENETRATION	NTS	- NOT TO SCALE
CL @	- CENTERLINE	NW	- NORMAL WEIGHT
CLR	- CLEAR	OC	- ON CENTER
CMU	- CONCRETE MASONRY UNIT	OH	- OPPOSITE HAND
CNTRD	- CENTERED	OPNG	- OPENING
COL	- COLUMN	PAF	- POWER ACTUATED
CONC	- CONCRETE	FASTENERS	- FASTENERS
CONFIG	- CONFIGURATION	PART	- PARTITION
CONT	- CONTINUOUS	PARTL	- PARTIAL
CONTR	- CONTRACTOR	PCJ	- PRECAST CONCRETE
CTR	- CENTER	JOIST	- JOIST
DBL	- DOUBLE	PJP	- PARTIAL JOINT
DD	- DECK DRAIN	PENETRATION	- PENETRATION
DTL	- DETAIL	PL	- PLATE
DIA	- DIAMETER	PLF	- POUNDS PER LINEAR FOOT
DIM	- DIMENSION	PSF	- POUNDS PER SQUARE
DN	- DOWN	FOOT	- POUNDS PER SQUARE
DR	- DRAIN	PSI	- POUNDS PER SQUARE
DWG	- DRAWING	INCH	- INCH
EA	- EACH	PT	- POST TENSIONED
EE	- EACH END	PT	- PRESSURE TREATED
EF	- EACH FACE	PNL	- PANEL
EJ	- EXPANSION JOINT	R	- RADIUS
ELEV	- ELEVATION	REG	- REGULAR
ENGR	- ENGINEER	REINF	- REINFORCING
EOR	- ENGINEER OF RECORD	REM	- REMAINDER
EOS	- EDGE OF SLAB	REQD	- REQUIRED
EQ	- EQUAL	REV	- REVISED/REVISION
EW	- EACH WAY	RM	- ROOM
EXIST	- EXISTING	RO	- ROUGH OPENING
EXP	- EXPANSION	ROMTS	- REQUIREMENTS
EXT	- EXTERIOR	SCHED	- SCHEDULE
FIN	- FINISH	SECT	- SECTION
FLR	- FLOOR	SM	- SIMILAR
FD	- FLOOR DRAIN	SL	- SLOPE
FDN	- FOUNDATION	SOG	- SLAB-ON-GRADE
FDM	- FACE OF MASONRY	SP	- SPIRAL
FS	- FAR SIDE	SQ	- SQUARE
FT	- FOOT	SS	- STAINLESS STEEL
FTG	- FOOTING	STD	- STANDARD
FV	- FIELD VERIFY	STL	- STRUCTURAL
GA	- GAUGE	STRUC/L	- SHEARWALL
GALV	- GALVANIZED	SW#	- SHORT WAY
GC	- GENERAL CONTRACTOR	SW	- TOP OF
GT	- GIRDER TRUSS	TB	- TIE BEAM
HC	- HOLLOW CORE	TC	- TIE COLUMN
HCP	- HOLLOW CORE PLANK	TEMP	- TEMPERATURE
HGD	- HOT DIPPED GALVANIZED	TG	- TRUSS GIRDER
HG	- HOOK	TH	- TRUSS HIP
HK	- HOOK	THK	- THICK
HORIZ	- HORIZONTAL	TJ	- TRUSS JACK
HP	- HIGH POINT	TR	- TRUSS
HS	- HIGH STRENGTH	TYP	- TYPICAL
IJA	- ISOLATION JOINT	UNO	- UNLESS NOTED
INFO	- INFORMATION	OTHERWISE	- OTHERWISE
INS	- INSULATION	VERT	- VERTICAL
INT	- INTERIOR	W/	- WITH
IRR	- IRREGULAR	W/O	- WITHOUT
JB	- JOIST BEARING	WD	- WOOD
JBE	- JOIST BEARING ELEVATION	WF	- WALL FOOTING
JR	- JAMB REINFORCING	WP	- WORK POINT
JT	- JOINT	WWR	- WELDED WIRE REINFORCING
K	- KIP(S), 1000 POUNDS		
KLF	- KIPS PER LINEAR FOOT		
KJ	- CONSTRUCTION JOINT		
L	- ANGLE		
LG	- LONG		

LEGEND	
<b>ITEM</b>	<b>SYMBOL</b>
CONCRETE (COLUMN)	
EARTH	
CONCRETE (WALL)	
CONCRETE SHEARWALL	
LOAD BEARING CONCRETE BLOCK (CMU)	
CONCRETE BLOCK SHEARWALL (CMU)	
NON-LOAD BEARING (INFILL) CONCRETE BLOCK (CMU)	
WOOD WALL	
WOOD SHEARWALL	
LOAD BEARING METAL STUD WALL	
METAL STUD SHEAR WALL	
SECTION INDICATOR	
ELEVATION INDICATOR	
DETAIL INDICATOR	
TOP REBAR	
BOTTOM REBAR	
<b>ITEM</b>	<b>SYMBOL</b>
ELEVATION SYMBOL	
STEP IN FTG., GRADE BM. OR OTHER	
BEAM SPLICE	
MOMENT CONNECTION	
TOP OF STEEL ELEVATION	
AND	&
PLATE	ℓ
CENTERLINE	⊕
NUMBER (PRECEEDING)	#, NO.
PLUS OR TENSION	+
MINUS OR COMPRESSION	-
POUNDS (FOLLOWING)	#
STEP IN STRUCTURE OR DEPRESSED SLAB	
<b>COLUMN SYMBOLS</b>	<b>REINFORCING SYMBOLS</b>
	- INDICATES COLUMN BELOW
	- INDICATES COLUMN THRU
	- INDICATES COLUMN ABOVE
	BAR SIZE: #4@12" OC x 10'-0" T&B
	BAR SPACING
	BAR PLACEMENT
	T=TOP
	B=BOTTOM

Structural Submittal Schedule					
Submittal Type	Description	For		Signed & Sealed Shop Dwgs	Signed & Sealed Calcs
		Approval	For Record		
31600 FOUNDATIONS					
MILD REINFORCEMENT			X		
33000 STRUCTURAL CONCRETE					
CONCRETE MIX DESIGN	SUBMIT MIX DESIGN FOR EACH CONCRETE MIX DESIGN. NOTE THE USAGE FOR EACH PROVIDED DESIGN. PROVIDE MIX RECIPE, BREAK DATE, AND PRODUCT DATA AS REQUIRED BY ACI 301.	X			
CONCRETE ACCESSORIES	VAPOR BARRIER, REBAR CHAIRS, ETC.	X			
WELDED WIRE REINFORCEMENT		X			
MILD REINFORCEMENT		X			
CONCRETE FORMWORK			X		
EMBEDDED ITEMS	EMBED PLATES, BEARING PLATES, ETC.	X			
HORIZONTAL CONSTRUCTION JOINT LOCATIONS		X			
SHORING AND RESHORING			X		X
42000 CONCRETE MASONRY UNITS (CMU)					
MASONRY PRODUCT INFORMATION		X			
MILD REINFORCEMENT	VERTICAL REINF., BOND BEAM REINF., LITEL REINF., BENT BAR SCHEDULE	X			
GROUT MIX DESIGNS	MIX DESIGN AND BREAK DATA	X			
MORTAR MIX DESIGNS		X			
MASONRY ACCESSORIES	BAR SPACERS, HORIZONTAL JOINT REINF., ETC.		X		
PRECAST LINTEL DATA		X			
51200 STRUCTURAL STEEL					
STRUCTURAL STEEL		X		X	
STEEL CONNECTION CALCULATIONS		X			X
STEEL STAIRS		X		X	
STEEL STAIR CALCULATIONS		X			X
STEEL HANDRAILS		X		X	X
54000 COLD-FORMED FRAMING					
COLD-FORMED FRAMING PRODUCT DATA	FOR WALL STUDS, FLOOR JOISTS, CONNECTIONS, AND OTHER ACCESSORIES	X			
EXTERNAL AND INTERNAL NON-LOAD BEARING WALLS	MEMBER SIZE, SPACING, CONNECTIONS, AND OTHER ACCESSORIES	X		X	X
NAILS/SCREW PRODUCT DATA		X			



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 ECOLOGY | GIS | PLANNING | SURVEYING  
 ST. PETERSBURG ■ LAKEWOOD RANGE ■ TAMPA ■ GAINESVILLE ■ LAKE WALES  
 ■ PUNTA GORDA

HCSO MENTAL HEALTH POD - JIA

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STRUCTURAL GENERAL NOTES AND ABBREVIATIONS

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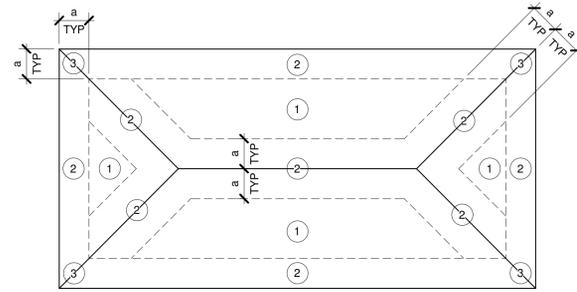
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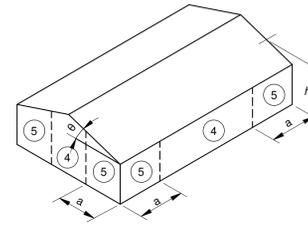
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S-002



**ROOF UPLIFT DIAGRAM  
COMPONENT & CLADDING**



**COMPONENT & CLADDING  
WINDOW & DOOR  
WIND PRESSURES**

COMPONENTS & CLADDING NOMINAL WIND PRESSURES (PER ASCE 7-22)									
ULTIMATE WIND SPEED, $V_{ult}$	149 mph	NOMINAL WIND SPEED, $V_{ref}$	115.4 mph	EDGE DISTANCE, "a"	8'-9"				
EXPOSURE CATEGORY	C	RISK CATEGORY	III	ROOF SLOPE	4/12				
		DIRECTIONALITY FACTOR, $K_d$	0.85						
COMPONENT LOCATION		POSITIVE PRESSURES (psf)			NEGATIVE PRESSURES (psf)				
EFFECTIVE AREA		10 ft <sup>2</sup>	20 ft <sup>2</sup>	50 ft <sup>2</sup>	100 ft <sup>2</sup>	10 ft <sup>2</sup>	20 ft <sup>2</sup>	50 ft <sup>2</sup>	100 ft <sup>2</sup>
ROOFS	ZONE 1	25.8	24.4	22.7	21.3	-65.8	-63.1	-59.6	-56.9
	ZONE 2	25.8	24.4	22.7	21.3	-79.1	-73.8	-66.7	-61.4
	ZONE 3	25.8	24.4	22.7	21.3	-136.9	-124.9	-109.0	-96.9
WALLS	ZONE 4: INTERIOR	52.5	50.1	47.0	44.6	-56.9	-54.5	-51.4	-49.1
	ZONE 5: EXTERIOR	52.5	50.1	47.0	44.6	-70.2	-65.5	-59.3	-54.5

**NOTES:**

- PRESSURE VALUES IN ABOVE TABLE ARE BASED ON THE PARAMETERS LISTED AT THE TOP OF THE TABLE.
- PRESSURE VALUES IN ABOVE TABLE ARE FOR A FULLY ENCLOSED CONDITION WITH AN INTERNAL PRESSURE COEFFICIENT OF  $\pm 0.18$ .
- GLAZED OPENINGS SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 26.10.3 OF ASCE 7.
- POSITIVE OR NEGATIVE DESIGN PRESSURES SHALL NOT BE TAKEN LESS THAN 16 psf (ULTIMATE VALUE).
- PRESSURES IN ABOVE TABLE ARE ULTIMATE VALUES. WHERE TESTING IS BASED ON NOMINAL (ALLOWABLE) PRESSURES, ABOVE VALUES ARE PERMITTED TO BE MULTIPLIED BY 0.60 FOR THE PURPOSE OF SUCH TESTING.



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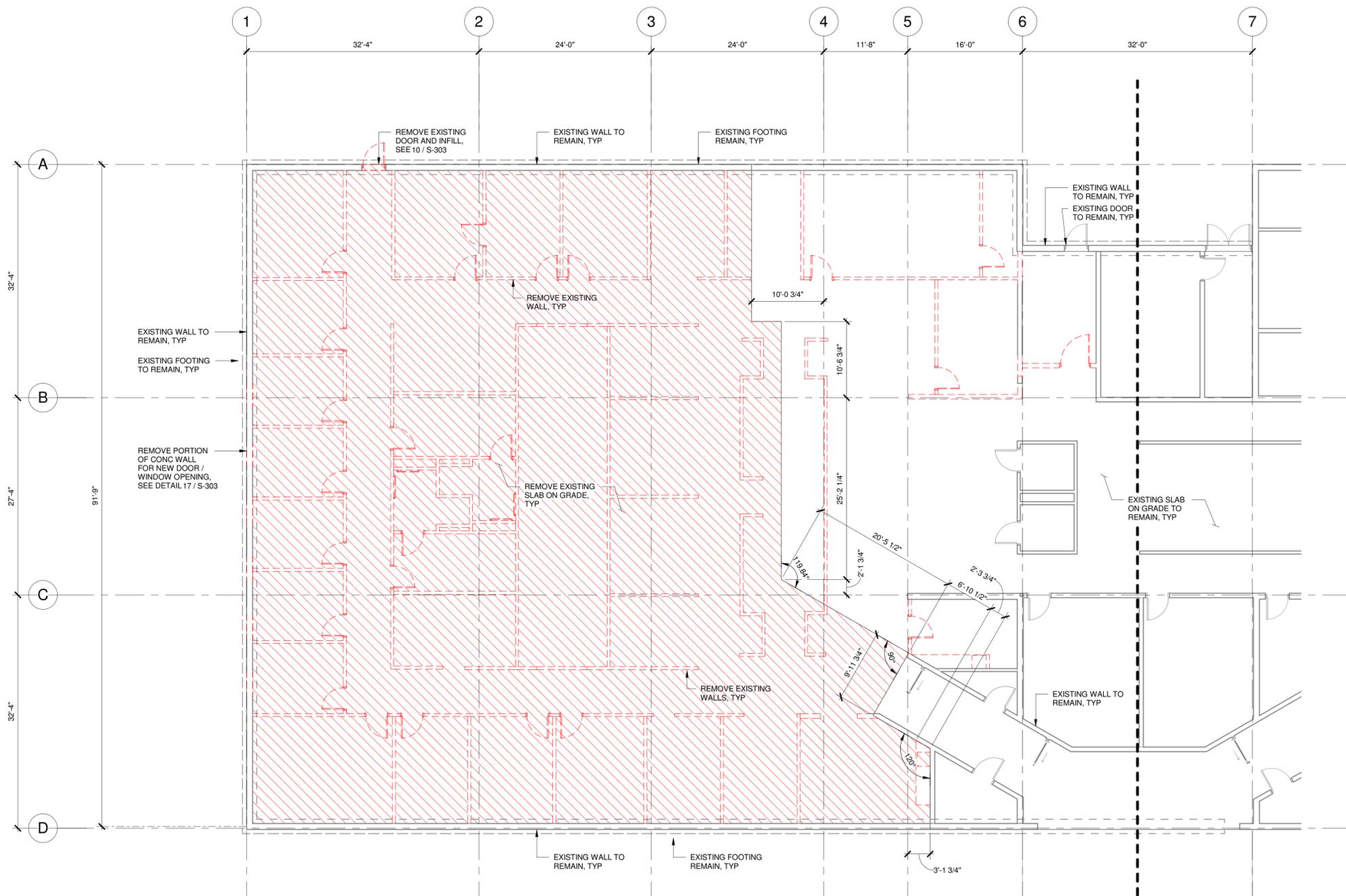
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**S-003**



**1** DEMOLITION PLAN - JIA  
1/8" = 1'-0"

**DEMO PLAN NOTES:**

- CONTRACTOR SHALL REMOVE EXISTING ITEMS AS REQUIRED BY ARCHITECTURAL CONSTRUCTION DOCUMENTS TO COMPLETE THE JOB.
- NOT ALL ITEMS TO BE DEMOLISHED ARE SHOWN ON THE PLAN. CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING A WALK-THRU OF THE SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS FOR IDENTIFYING POSSIBLE CRITICAL ITEMS, NOT ADDRESSED OR INCORRECTLY ADDRESSED, WHICH REQUIRE REMOVAL/RELOCATION. NOTIFY EOR BEFORE ANY ADDITIONAL CMU WALLS ARE PROPOSED TO BE REMOVED, NOT INDICATED ON PLANS.
- CONTRACTOR SHALL ALSO CHECK AND IDENTIFY ALL EXISTING WATER, SANITARY AND ELECTRIC LINES WHICH ARE TO REMAIN AND BE PROTECTED FROM DAMAGE DURING DEMOLITION AND ALTERATION OF WORK.
- GC TO PERFORM X-RAY OF EXISTING EXTERIOR WALL PRIOR TO DEMOLITION. X-RAY TO BE PROVIDED TO OWNER, ARCHITECT & STRUCTURAL ENGINEER FOR REVIEW.
- THE DEMOLITION WORK SHALL INVOLVE INTERVENTIONS IN AREA OUTSIDE OF THE IMMEDIATE SCOPE OF WORK, INCLUDING WORK ABOVE AND/OR BELOW THE FLOOR LEVEL WITHIN THE SCOPE. IT SHALL REQUIRE WORK INVOLVING REMOTE UTILITY LINES (FIRE SPRINKLERS, PLUMBING, MECHANICAL, ELECTRICAL, COMMUNICATIONS, ETC.) ANY SUCH WORK SHALL BE INCLUSIVE OF ALL STRUCTURES, UTILITIES, FINISHES AND EQUIPMENT REQUIRED TO RESTORE THE AREA TO FULLY OPERATIONAL CONDITIONS IN COMPLIANCE WITH ALL APPLICABLE BUILDING AND SAFETY CODE REQUISITES AND TO MEET OWNER'S APPROVAL. ALL WORK AS DESCRIBED IN THIS NOTE SHALL BE INCLUDED AS PART OF THE BASE CONTRACT PRICE.



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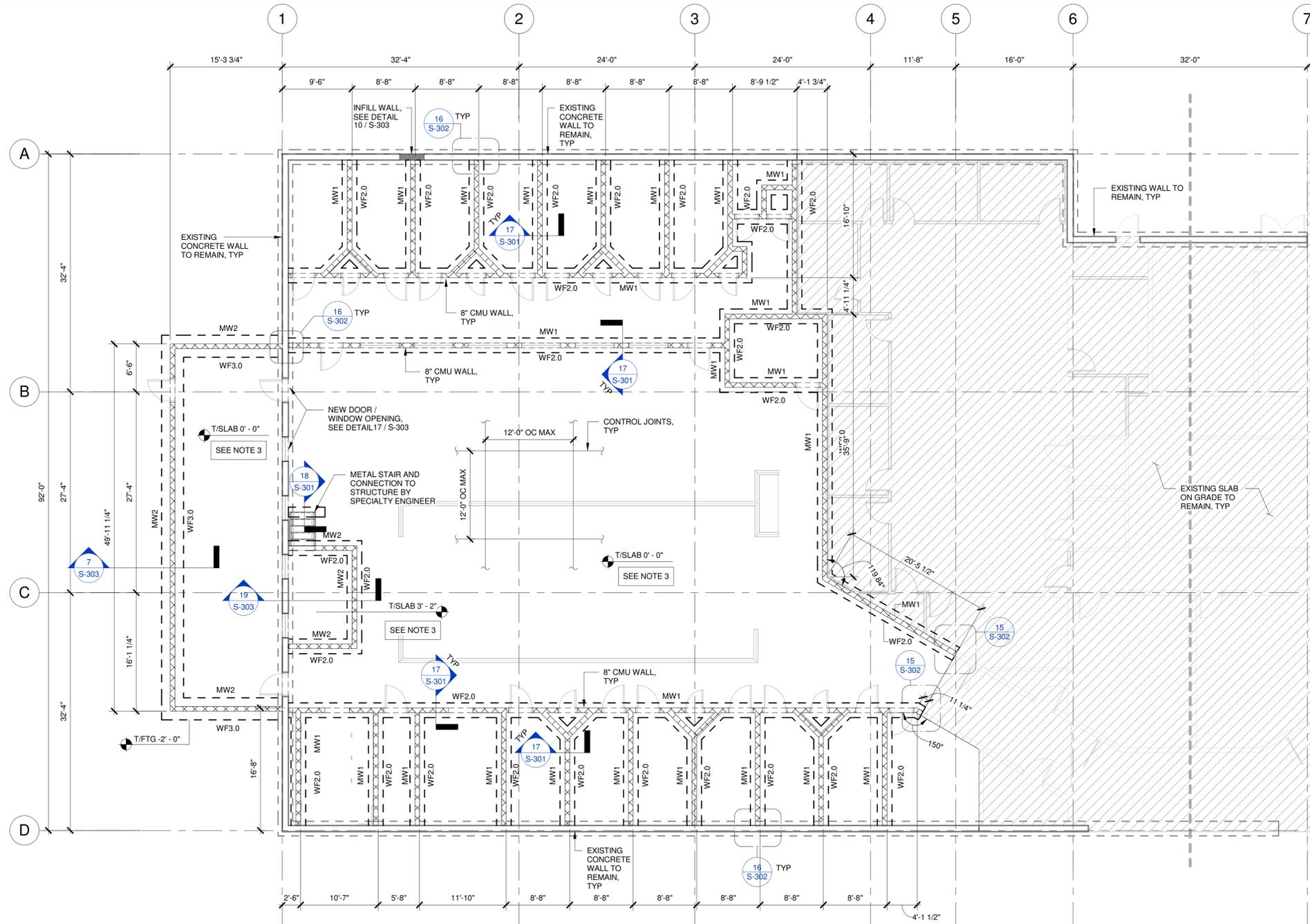
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S-100A



**1** GROUND FLOOR PLAN - JIA  
1/8" = 1'-0"

- FOUNDATION NOTES:**
- FINISH FLOOR (SLAB ON GRADE) ELEVATION 0'-0", UNLESS NOTED ON PLAN.
  - VERIFY DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS BEFORE COMMENCING CONSTRUCTION.
  - 5" THICK SLAB (UNO) W/ 4% DOSE OF EUCLID CONEX. PROVIDE 6x6xW2.9xW2.9 WWF IN SHEETS NOT ROLLS CHAired TO TOP OF SLAB. PROVIDE TOOLED OR SAW-CUT CONTROL JOINTS (CJ). SEE TYPICAL DETAILS & GENERAL NOTES.
  - DROP FOOTING BELOW UNDERGROUND UTILITIES ENTERING THE BUILDING. COORDINATE LOCATIONS OF UTILITIES WITH SITE OR CIVIL DRAWINGS. SEE TYPICAL DETAILS FOR HOW TO STEP FOUNDATION.
  - "TE" INDICATES A THICKENED SLAB EDGE. SEE TYPICAL DETAILS FOR TYPES AND REINFORCING.
  - "MW#X" INDICATES CONCRETE MASONRY WALL. ALL WALLS ARE MW1 UNO. SEE CMU SCHEDULE FOR SIZE & REINFORCEMENT.
  - "FX.X" AND "WFX.X" INDICATES SPREAD FOOTING AND WALL FOOTING RESPECTIVELY. REFER TO FOUNDATION SCHEDULE ON THIS SHEET FOR SIZES AND REINFORCEMENT.
  - FOR OPENINGS LARGER THAN 9'-0" GROUT END BLOCKS SOLID W/ #6 BARS IN EACH BLOCK CELL.

LEGEND	
	INDICATES CMU WALL (MW-#), SEE SCHEDULE
	INDICATES CIP INFILL WALL
	INDICATES EXISTING SLAB ON GRADE, REFER ARCH DWGS

FOUNDATION SCHEDULE								
MARK	LENGTH	FTG WIDTH	THICKNESS	BOTTOM REINFORCING LW	BOTTOM REINFORCING SW	TOP REINFORCING LW	TOP REINFORCING SW	COMMENTS
WF2.0	CONT	2'-0"	1'-4"	(3) #5	#5@12" OC	(4) #5	#5@12" OC	
WF3.0	CONT	3'-0"	2'-0"	(4) #5	#5@12" OC	(4) #5	#5@12" OC	

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GROUND FLOOR PLAN - JIA

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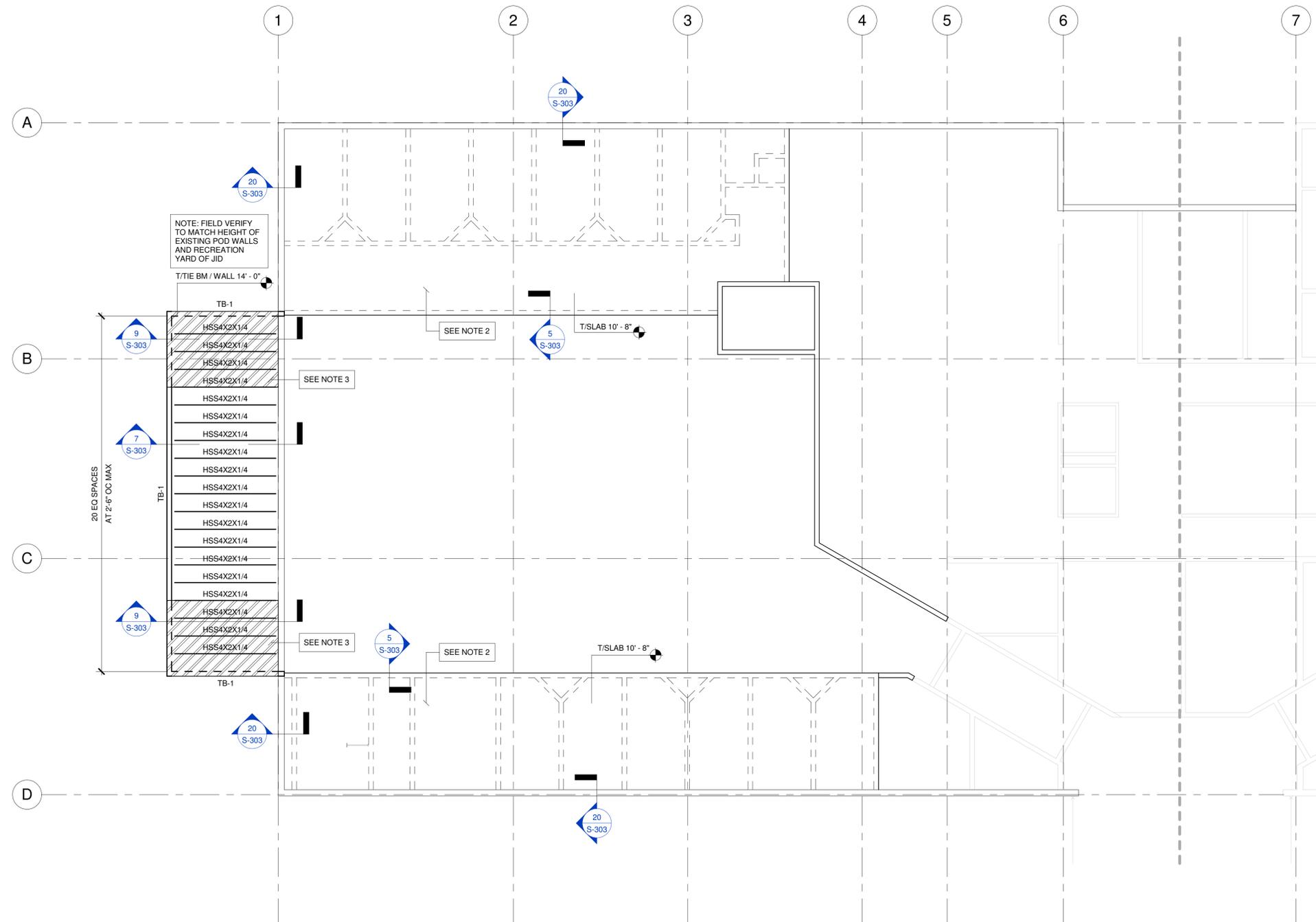
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S-101A



**1** SECOND FLOOR FRAMING PLAN - JIA  
1/8" = 1'-0"

**FLOOR FRAMING NOTES:**

1. VERIFY DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL DRAWINGS BEFORE COMMENCING CONSTRUCTION.
2. 6" CONCRETE SLAB W/ #5@12" OC TOP AND BOTTOM BOTH WAYS.
3. 1-1/2" (20 GAGE) G90 GALV TYPE B ROOF DECK. FASTEN ROOF DECK TO SUPPORTS PER ROOF DECK ATTACHMENT SCHEDULE ON SHEET S-201.
4. TB-# - INDICATES CONCRETE TIE BEAM, SEE SCHEDULE ON S-201 FOR REINF DETAIL.

**CONCRETE BEAM SCHEDULE**

MARK	SIZE WxD (IN)	BOTTOM REINFORCING	TOP REINFORCING	'M BARS	STIRRUP	COMMENTS
TB-1	7 5/8" x 16"	(2) #5	(2) #5	-	#3@8" OC	

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SECOND FLOOR FRAMING PLAN - JIA

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S-102A



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 ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21  
 CIVIL, TRANSPORTATION, SUBSURFACE & STRUCTURAL ENGINEERING  
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CLASS 'A' SPLICE SCHEDULE								
DEVELOPMENT LENGTH SHALL BE PER FOLLOWING TABLE MODIFIED PER NOTES BELOW								
GRADE 60 STEEL								
NORMAL WEIGHT CONCRETE STRENGTH								
BAR	3000 PSI	4000 PSI	5000 PSI	6000 PSI	7000 PSI	8000 PSI	9000 PSI	10000 PSI AND HIGHER
#3	1'-5"	1'-3"	1'-1"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"
#4	1'-10"	1'-7"	1'-5"	1'-4"	1'-3"	1'-2"	1'-1"	1'-1"
#5	2'-3"	2'-0"	1'-10"	1'-8"	1'-6"	1'-5"	1'-4"	1'-4"
#6	2'-9"	2'-5"	2'-2"	2'-0"	1'-10"	1'-10"	1'-8"	1'-8"
#7	4'-0"	3'-6"	3'-2"	2'-10"	2'-8"	2'-6"	2'-4"	2'-3"
#8	4'-7"	4'-0"	3'-7"	3'-3"	3'-0"	2'-10"	2'-8"	2'-7"
#9	5'-2"	4'-6"	4'-0"	3'-8"	3'-5"	3'-2"	3'-1"	3'-0"
#10	5'-10"	5'-1"	4'-6"	4'-2"	3'-10"	3'-7"	3'-5"	3'-4"
#11	6'-6"	5'-7"	5'-0"	4'-7"	4'-3"	4'-0"	3'-10"	3'-8"

GRADE 75 STEEL								
NORMAL WEIGHT CONCRETE STRENGTH								
BAR	3000 PSI	4000 PSI	5000 PSI	6000 PSI	7000 PSI	8000 PSI	9000 PSI	10000 PSI AND HIGHER
#3	1'-9"	1'-6"	1'-4"	1'-3"	1'-2"	1'-1"	1'-0"	1'-0"
#4	2'-3"	2'-0"	2'-0"	1'-9"	1'-6"	1'-5"	1'-4"	1'-4"
#5	2'-10"	2'-6"	2'-3"	2'-1"	2'-0"	1'-9"	1'-8"	1'-7"
#6	3'-5"	3'-0"	2'-8"	2'-5"	2'-3"	2'-2"	2'-1"	2'-0"
#7	5'-0"	4'-4"	4'-0"	3'-7"	3'-4"	3'-1"	3'-0"	2'-9"
#8	5'-9"	5'-0"	4'-5"	4'-1"	3'-9"	3'-6"	3'-4"	3'-2"
#9	6'-5"	5'-7"	5'-0"	4'-7"	4'-3"	4'-0"	3'-10"	3'-7"
#10	7'-3"	6'-4"	5'-8"	5'-2"	4'-9"	4'-6"	4'-3"	4'-1"
#11	8'-1"	7'-0"	6'-3"	5'-9"	5'-4"	5'-0"	4'-9"	4'-6"

- NOTES:
- FOR CLEAR SPACING BETWEEN BARS <math>db</math> AND/OR CLEAR COVER <math>dc</math>, MULTIPLY BY 1.5.
  - FOR TOP BARS MULTIPLY BY 1.3.
  - FOR EPOXY COATED BARS, IF SPECIFIED OR APPROVED AS AN ALTERNATE, MULTIPLY BY 1.3.
  - FOR MMFX BARS, IF SPECIFIED OR USED, USE GRADE 75 KSI VALUES.
  - WHERE MORE THAN ONE FACTOR APPLIES, PRODUCT OF ALL APPLICABLE FACTORS SHALL BE APPLIED.
  - IF DETAILER IS TO USE A DIFFERENT SCHEDULE, HE/SHE MUST SUBMIT A SEALED LETTER INDICATING THAT HIS/HER VALUES CORRESPOND TO CURRENT ACI 318 CODE.

**4 CLASS 'A' SPLICE SCHEDULE**  
12" = 1'-0"

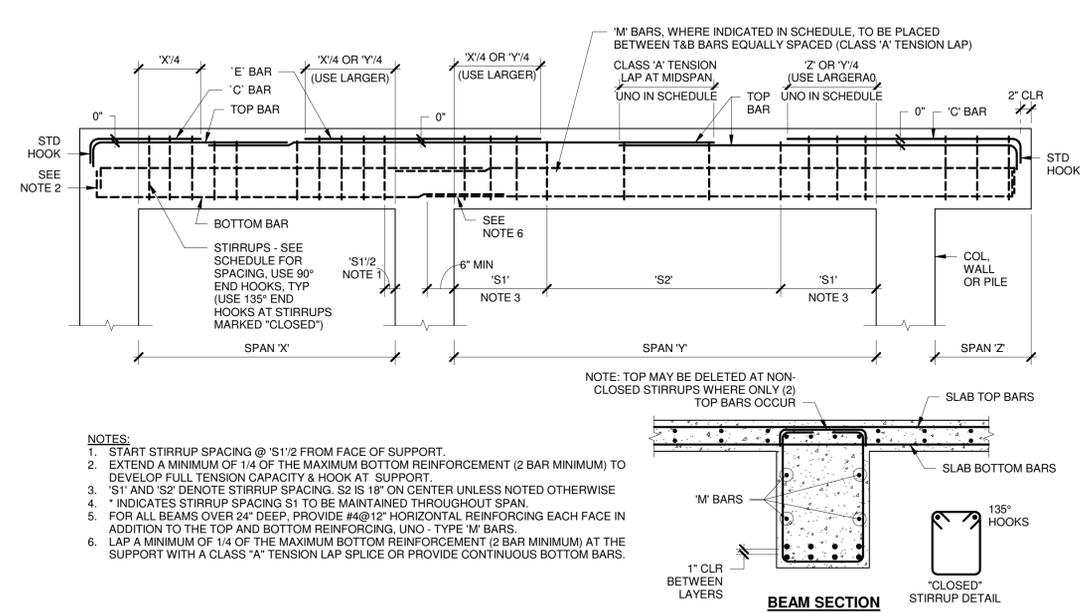
CLASS 'B' SPLICE SCHEDULE								
DEVELOPMENT LENGTH SHALL BE PER FOLLOWING TABLE MODIFIED PER NOTES BELOW								
GRADE 60 STEEL								
NORMAL WEIGHT CONCRETE STRENGTH								
BAR	3000 PSI	4000 PSI	5000 PSI	6000 PSI	7000 PSI	8000 PSI	9000 PSI	10000 PSI AND HIGHER
#3	1'-9"	1'-6"	1'-5"	1'-3"	1'-2"	1'-1"	1'-0"	1'-0"
#4	2'-4"	2'-1"	1'-10"	1'-8"	1'-7"	1'-5"	1'-4"	1'-4"
#5	3'-3"	2'-7"	2'-4"	2'-1"	2'-0"	1'-10"	1'-9"	1'-8"
#6	3'-7"	3'-1"	2'-9"	2'-6"	2'-4"	2'-2"	2'-1"	2'-0"
#7	5'-2"	4'-6"	4'-0"	3'-8"	3'-5"	3'-2"	3'-0"	2'-10"
#8	6'-0"	5'-2"	4'-7"	4'-2"	4'-0"	3'-8"	3'-5"	3'-3"
#9	6'-8"	5'-10"	5'-2"	4'-9"	4'-5"	4'-1"	3'-10"	3'-8"
#10	7'-6"	6'-6"	5'-10"	5'-4"	5'-0"	4'-7"	4'-4"	4'-2"
#11	8'-4"	7'-3"	6'-6"	6'-0"	5'-6"	5'-1"	4'-10"	4'-7"

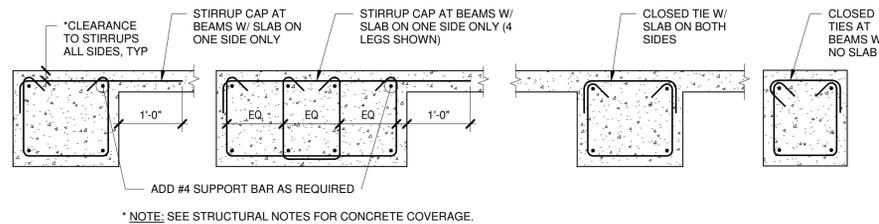
GRADE 75 STEEL								
NORMAL WEIGHT CONCRETE STRENGTH								
BAR	3000 PSI	4000 PSI	5000 PSI	6000 PSI	7000 PSI	8000 PSI	9000 PSI	10000 PSI AND HIGHER
#3	2'-3"	2'-0"	1'-9"	1'-7"	1'-5"	1'-4"	1'-3"	1'-3"
#4	3'-0"	2'-7"	2'-4"	2'-1"	2'-0"	1'-10"	1'-9"	1'-8"
#5	3'-9"	3'-3"	2'-10"	2'-7"	2'-5"	2'-3"	2'-2"	2'-0"
#6	4'-5"	3'-10"	3'-5"	3'-2"	3'-0"	2'-9"	2'-7"	2'-5"
#7	6'-6"	5'-7"	5'-0"	4'-7"	4'-3"	4'-0"	3'-9"	2'-9"
#8	7'-5"	6'-5"	5'-9"	5'-3"	4'-10"	4'-7"	4'-3"	4'-1"
#9	8'-4"	7'-3"	6'-6"	6'-0"	5'-6"	5'-1"	4'-10"	4'-7"
#10	9'-5"	8'-2"	7'-4"	6'-8"	6'-2"	5'-9"	5'-5"	5'-2"
#11	10'-5"	9'-1"	8'-1"	7'-5"	6'-10"	6'-5"	6'-0"	5'-9"

- NOTES:
- FOR CLEAR SPACING BETWEEN BARS <math>db</math> AND/OR CLEAR COVER <math>dc</math>, MULTIPLY BY 1.5.
  - FOR TOP BARS MULTIPLY BY 1.3.
  - FOR EPOXY COATED BARS, IF SPECIFIED OR APPROVED AS AN ALTERNATE, MULTIPLY BY 1.3.
  - FOR MMFX BARS, IF SPECIFIED OR USED, USE GRADE 75 KSI VALUES.
  - WHERE MORE THAN ONE FACTOR APPLIES, PRODUCT OF ALL APPLICABLE FACTORS SHALL BE APPLIED.
  - IF DETAILER IS TO USE A DIFFERENT SCHEDULE, HE/SHE MUST SUBMIT A SEALED LETTER INDICATING THAT HIS/HER VALUES CORRESPOND TO CURRENT ACI 318 CODE.

**3 CLASS 'B' SPLICE SCHEDULE**  
12" = 1'-0"



**1 TYPICAL BENDING DIAGRAM FOR BEAMS & ONE WAY SLABS**  
3/4" = 1'-0"



**2 TYPICAL BEAM STIRRUP / TIES DETAILS**  
3/4" = 1'-0"

Concrete Cover Requirements		
Structural Element	Reinforcement	Cover (in)
Members Not Exposed to Weather or in Contact With Ground		
Slabs	All	3/4"
Joists	All	3/4"
Walls	All	3/4"
Beams	To Stirrups	1 1/2"
Columns	To Stirrups	1 1/2"
Members Exposed to Weather or in Contact With Ground		
Slabs	#5 or Smaller	1 1/2"
	#6 or Larger	2"
Columns/Pedestals	#5 or Smaller	1 1/2"
	#6 or Larger	2"
Walls	#5 or Smaller	1 1/2"
	#6 or Larger	2"
Slab on Grade	WWR	2" From Top
Foundations and Grade Beams	Bottom/Side Top	3" 2"

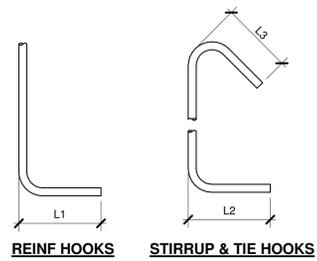
**8 CONCRETE COVER REQUIREMENTS**  
3/4" = 1'-0"

ENG NOTES:

- TABLE IS AN EXAMPLE OF TYPES OF STRUCTURAL ELEMENTS AND THEIR DESIGN STRENGTHS.
- EXPOSURE CLASSES NOTED ARE FOR STANDARD INTERIOR CONSTRUCTION AND SOILS WITH NO CHLORIDES. VERIFY EXPOSURE CLASS WITH PROJECT SPECIFIC CONDITIONS.

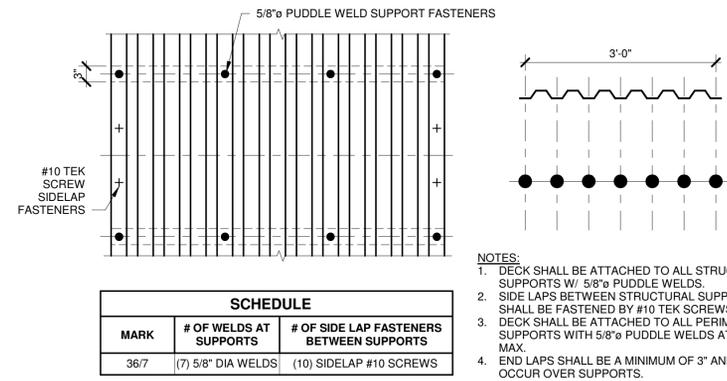
Concrete Compressive Strengths		
Structural Element	Exposure Class	Design Strength, $f_c$ (PSI)
Foundations and Stem Walls	C1	3000
Slab on Grade	C1	3000
Concrete on Metal Deck	W0	3500
Columns	W0	5000
Walls	W0	5000
Beams	W0	5000
Elevated Slabs	W0	5000

**7 CONCRETE COMPRESSIVE STRENGTHS**  
3/4" = 1'-0"



BAR SIZE	SCHEDULE		
	REINF HOOK L1	STIRRUP & TIE HOOKS L2      L3	
#3	6"	4"	2 1/2"
#4	8"	4 1/2"	3"
#5	10"	-	-
#6	1'-0"	-	-
#7	1'-2"	-	-
#8	1'-4"	-	-
#9	1'-7"	-	-
#10	1'-10"	-	-
#11	2'-0"	-	-

**6 STD HOOK LENGTHS**  
1" = 1'-0"



**5 ROOF DECK ATTACHMENT SCHEDULE**  
3/4" = 1'-0"

- NOTES:
- DECK SHALL BE ATTACHED TO ALL STRUCTURAL SUPPORTS W/ 5/8" PUDDLE WELDS.
  - SIDE LAPS BETWEEN STRUCTURAL SUPPORTS SHALL BE FASTENED BY #10 TEK SCREWS.
  - DECK SHALL BE ATTACHED TO ALL PERIMETER SUPPORTS WITH 5/8" PUDDLE WELDS AT 6" OC MAX.
  - END LAPS SHALL BE A MINIMUM OF 3" AND SHALL OCCUR OVER SUPPORTS.

HCSO MENTAL HEALTH POD - JIA

2310 N. FALKENBURG ROAD  
TAMPA, FLORIDA 33619

SCHEDULES & TYPICAL DETAILS

NOT FOR CONSTRUCTION		
#	ISSUED FOR	DATE
	REVIEW	08.14.2024
	PERMIT/BID	08.30.2024
	ADDENDUM #1	09.04.2024

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REVIEW BY: YA/DO

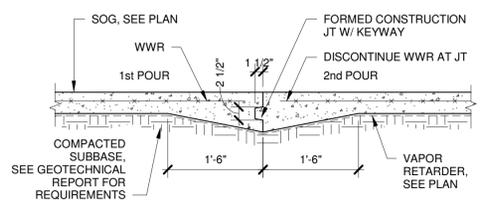
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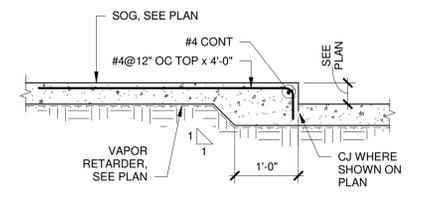
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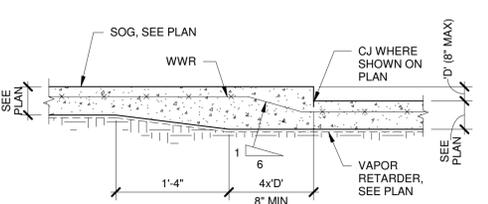
S-201



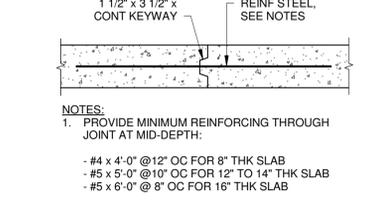
**5** CONSTRUCTION JOINT AT SOG  
3/4" = 1'-0"



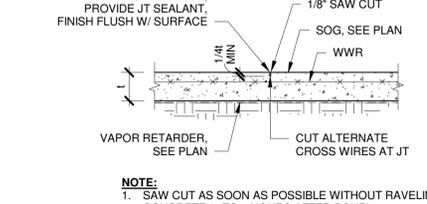
**4** DEPRESSED SOG  
3/4" = 1'-0"



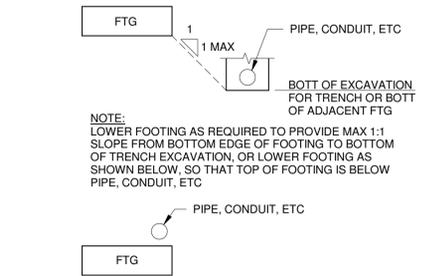
**3** DEPRESSED SOG  
1" = 1'-0"



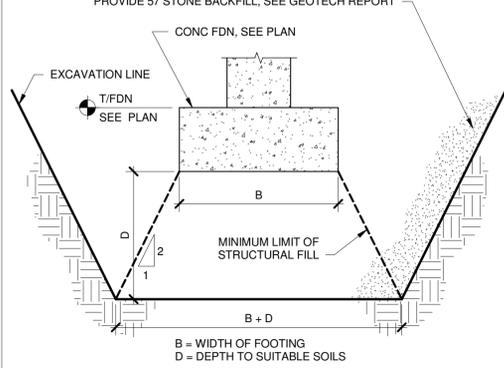
**2** CONSTRUCTION JOINT AT STRUCTURAL SLAB  
3/4" = 1'-0"



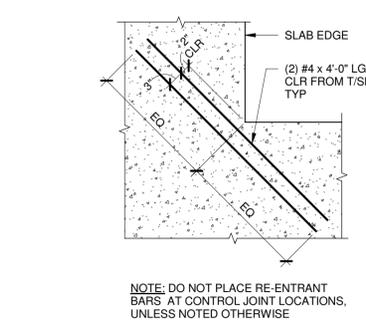
**1** CONTROL JOINT AT SOG (CJ)  
1" = 1'-0"



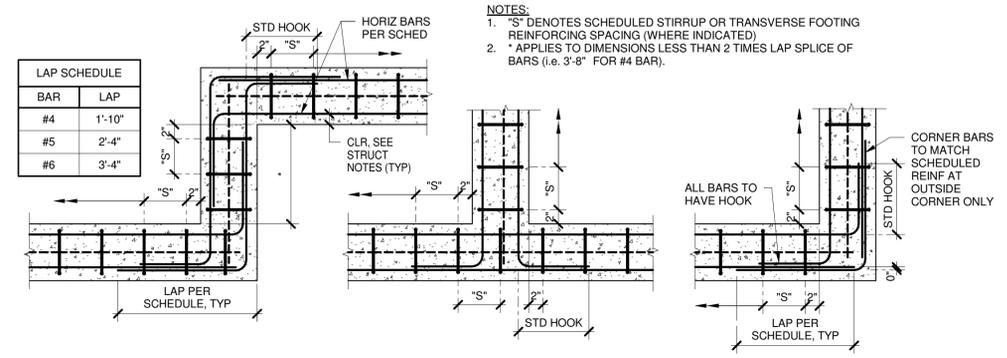
**10** FOUNDATION INFLUENCE  
3/4" = 1'-0"



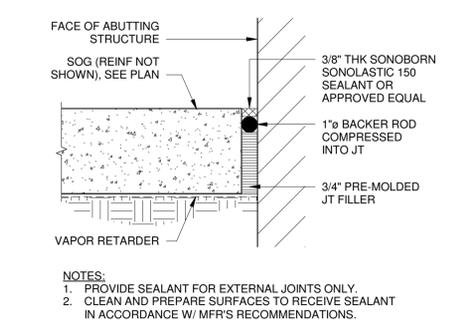
**9** FOUNDATION UNDERCUTTING  
3/4" = 1'-0"



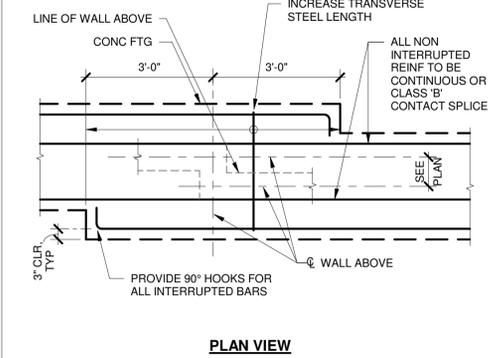
**8** SOG REINF AT RE-ENTRANT CORNERS  
3/4" = 1'-0"



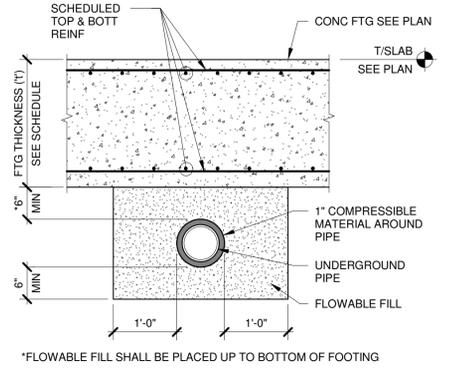
**7** FOOTING / TIE BEAM CORNER REINFORCING DETAILS  
1" = 1'-0"



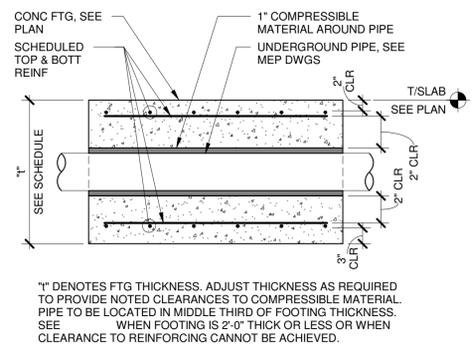
**15** ISOLATION JOINT AT SOG (IJ)  
3" = 1'-0"



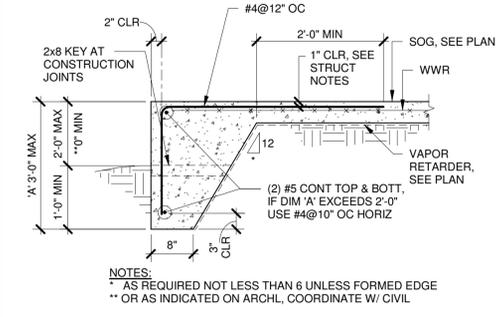
**14** FOOTING OFFSET DETAIL  
1/2" = 1'-0"



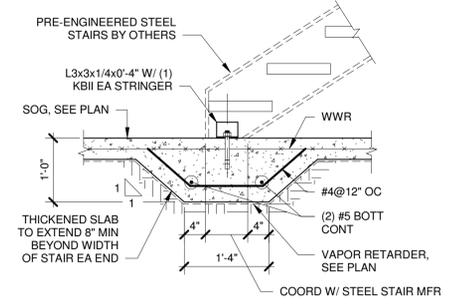
**13** PIPE BELOW SLAB OR FOOTING  
3/4" = 1'-0"



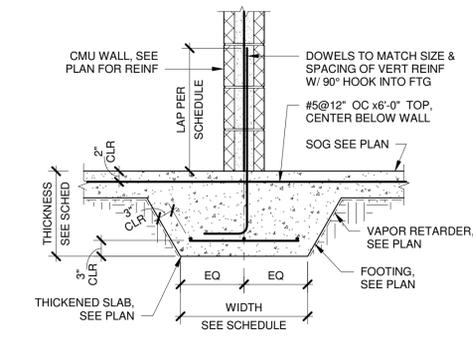
**12** PIPE PENETRATION THROUGH FOOTING  
3/4" = 1'-0"



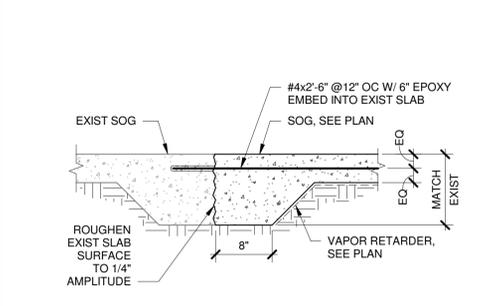
**11** TURNED DOWN SLAB EDGE  
3/4" = 1'-0"



**18** STEEL STAIR FOOTING  
3/4" = 1'-0"



**17** CMU AT THICKENED SLAB FOOTING  
3/4" = 1'-0"



**16** SOG CONNECTION TO EXISTING  
1" = 1'-0"

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	ADDENDUM #1	09.04.2024

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REVIEW BY: YA / DD

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**S-301**



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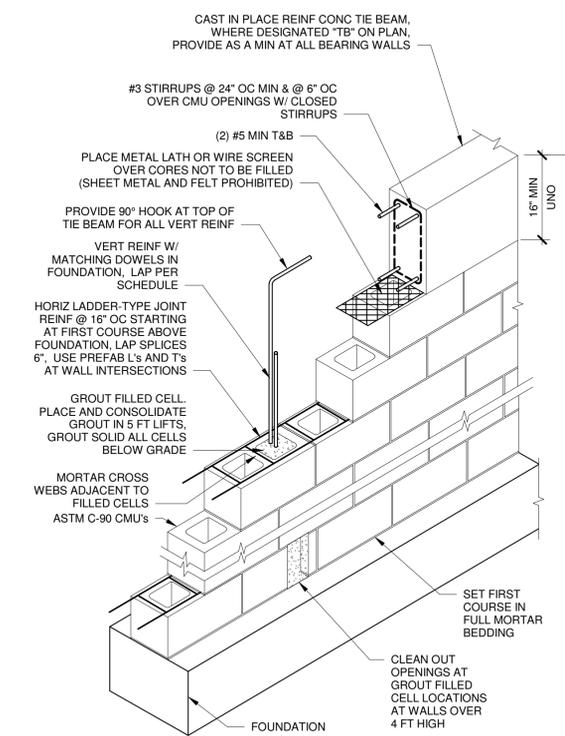
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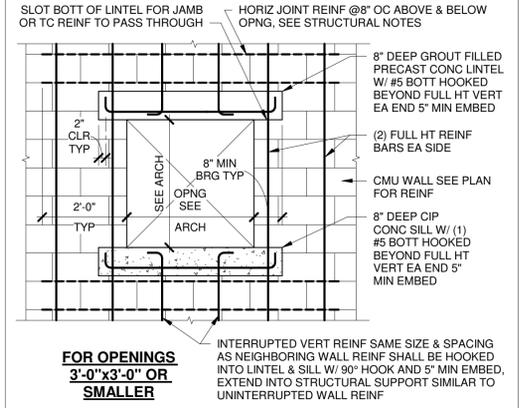
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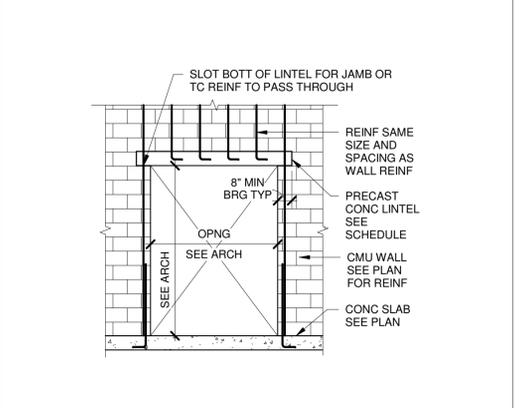
S-302



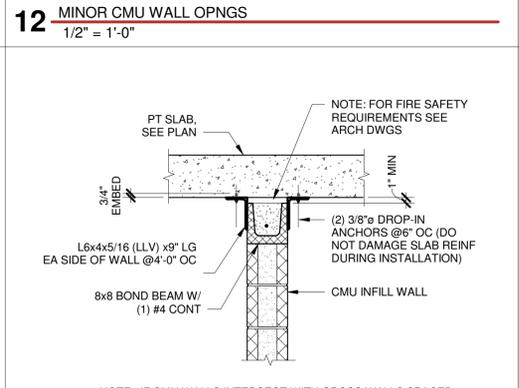
7 TYPICAL MASONRY WALL CONSTRUCTION DETAIL FOR RUNNING BOND LAYOUT  
3/4" = 1'-0"



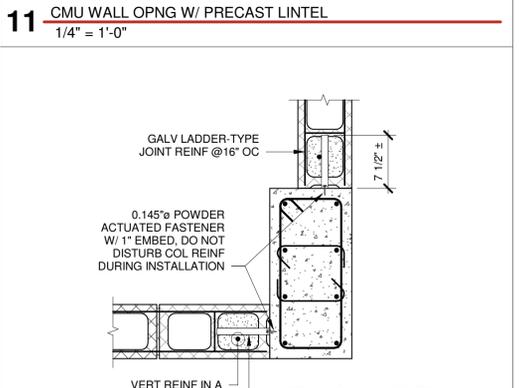
12 MINOR CMU WALL OPNGS  
1/2" = 1'-0"



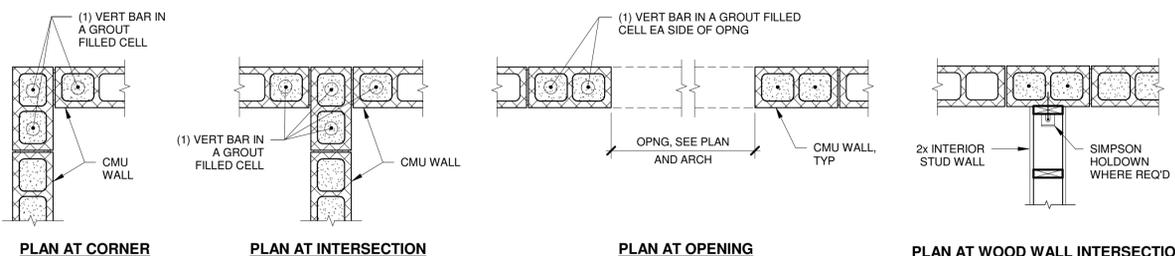
11 CMU WALL OPNG W/ PRECAST LINTEL  
1/4" = 1'-0"



17 NON-LOAD BEARIG CMU WALL ANCHORAGE  
3/4" = 1'-0"



16 CMU ANCHORAGE TO CONCRETE  
1" = 1'-0"

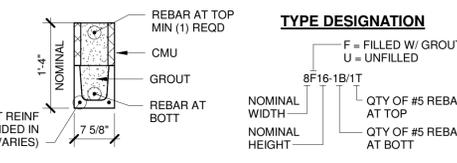
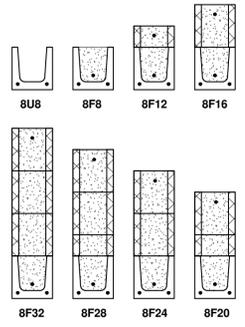


NOTES:  
1. SEE TYP MASONRY WALL CONSTRUCTION FOR JOINT REINFORCING NOT SHOWN HERE.  
2. SEE PLAN FOR REINFORCING SIZE.

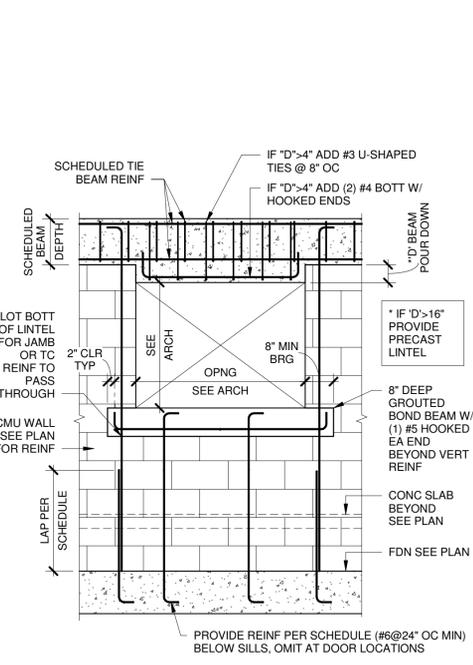
5 REINFORCING AT CMU WALL CORNERS, INTERSECTIONS AND OPENINGS  
3/4" = 1'-0"

LINTEL SCHEDULE		
LINTEL SPAN	LINTEL DESIGNATION	REMARKS
UP TO 4'-0"	8 F8-1B	-
FROM 4'-1" TO 6'-0"	8 F16-1B/1T	-
FROM 6'-1" TO 8'-0"	8 F20-1B/2T	-
FROM 8'-1" TO 10'-0"	8 F24-2B/2T	-
OVER 10'-0"	CAST IN PLACE BEAM	SEE PLANS

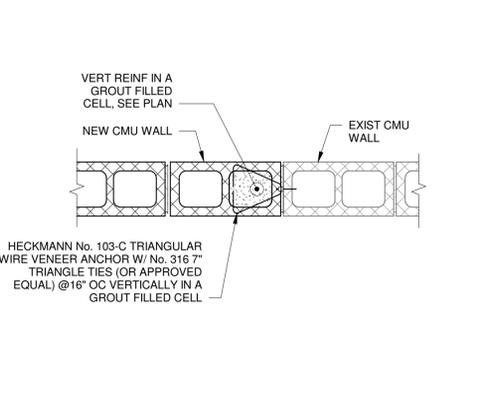
NOTES:  
1. LINTELS SHALL BE "CAST-CRETE" OR EQUIVALENT PRECAST CONCRETE UNO.  
2. LINTELS SHALL BEAR 8" MIN ON CMU/CONCRETE AND 3" MINIMUM ON STEEL ANGLES.



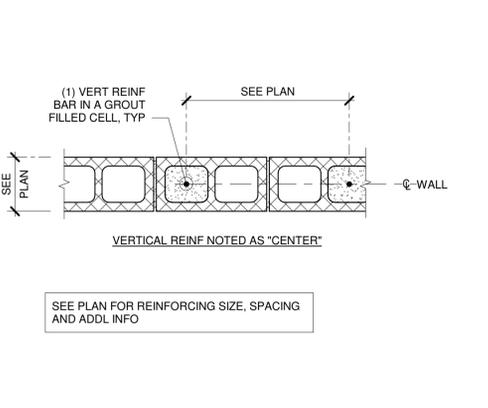
10 LINTEL SCHEDULE AND DETAILS  
3/4" = 1'-0"



13 CMU WALL OPNG AT CONC TIE BEAM  
1/2" = 1'-0"



15 NEW TO EXIST CMU ANCHORAGE  
1" = 1'-0"



14 CMU BAR PLACEMENT REQUIREMENTS  
1" = 1'-0"

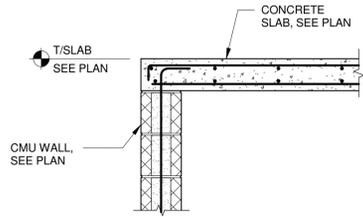
SCHEDULE		
WALL THICKNESS	BAR	LAP
8"	#4	1'-8"
8"	#5	2'-1"
8"	#6	3'-7"
8"	#7	4'-11"
12"	#4	1'-8"
12"	#5	2'-1"
12"	#6	3'-3"
12"	#7	3'-10"

18 CMU VERTICAL REINFORCING LAP SCHEDULE  
3/4" = 1'-0"

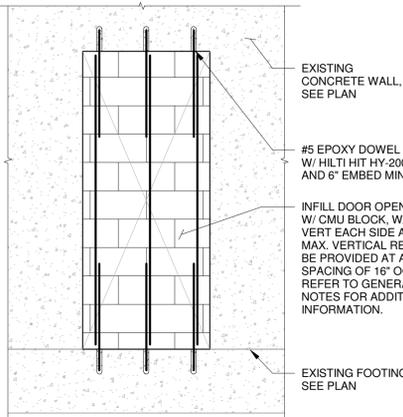
CMU WALL SCHEDULE			
MARK	THICKNESS	REINFORCING	COMMENTS
MW1	8"	#5@32" OC	9-GA HORIZ. REINF. PER TYP. DETAILS
MW2	8"	#5@16" OC	9-GA HORIZ. REINF. PER TYP. DETAILS

NOTES:  
PROVIDE A MINIMUM OF (1) #5 VERT REINF BAR IN A GROUT FILLED CELL AT ALL WALL INTERSECTIONS, CORNERS, ENDS OF WALLS AND AT EDGES OF ALL WALL OPENINGS EXCEEDING 2'-0" IN WIDTH. INTERIOR WALLS DO NOT REQUIRE VERT REINF UNLESS SPECIFICALLY SHOWN OR NOTED OTHERWISE ON PLAN. SEE TYP MASONRY (CMU) WALL CONSTRUCTION DETAIL FOR ADDITIONAL CMU WALL REINFORCING REQUIREMENTS.

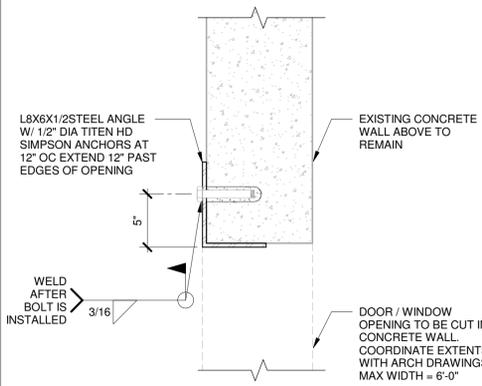
19 CMU WALL SCHEDULE  
3/4" = 1'-0"



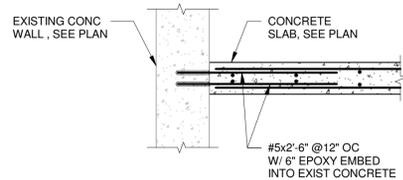
**5** CONCRETE SLAB OVER CMU WALL DETAIL  
3/4" = 1'-0"



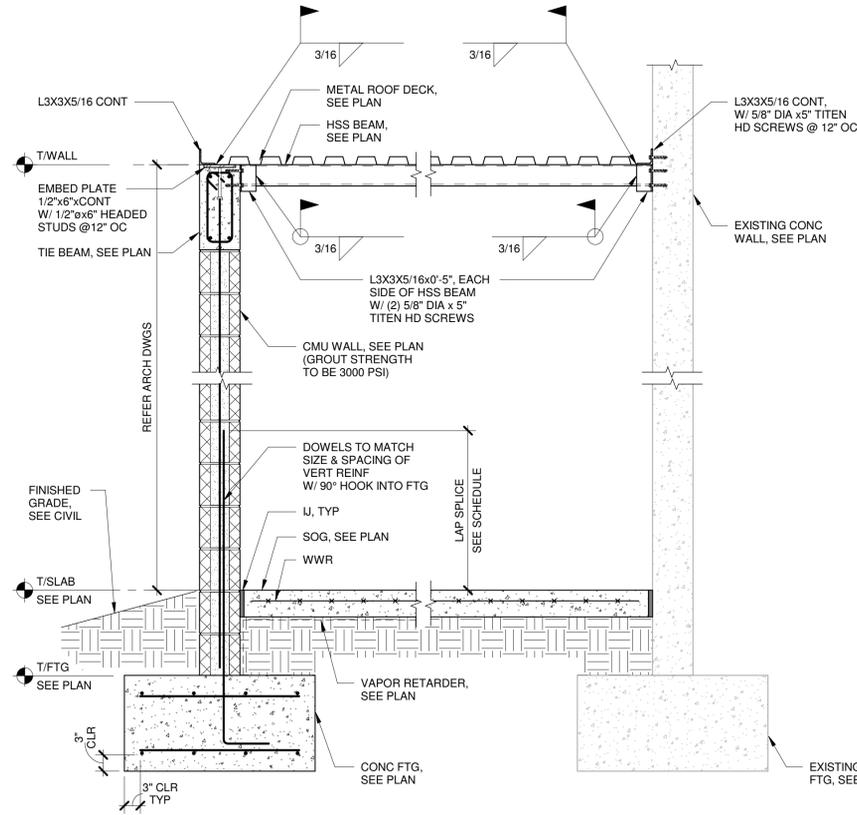
**10** CMU INFILL WALL DETAIL  
1/2" = 1'-0"



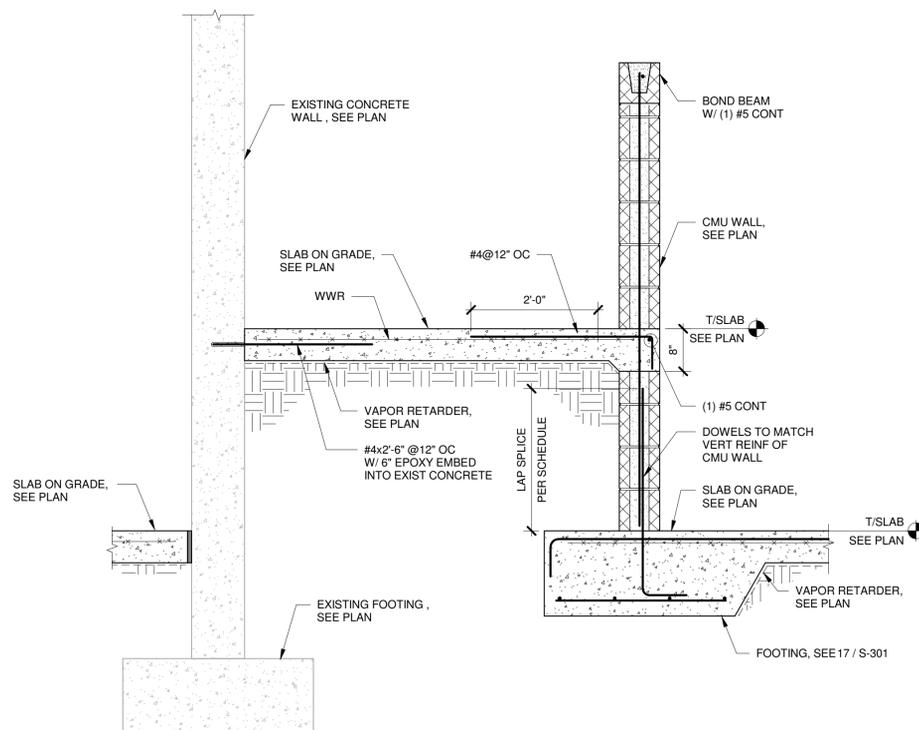
**15** SECTION AT ANGLE SUPPORT TO EXIST CONCRETE WALL  
1 1/2" = 1'-0"



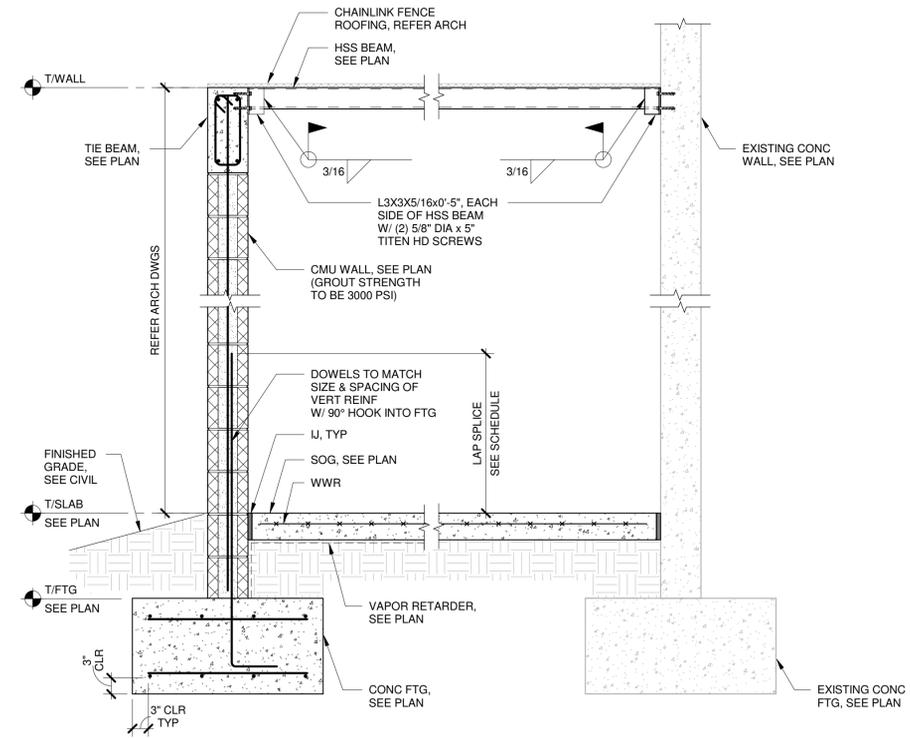
**20** CONCRETE SLAB TO EXISTING CMU WALL DETAIL  
3/4" = 1'-0"



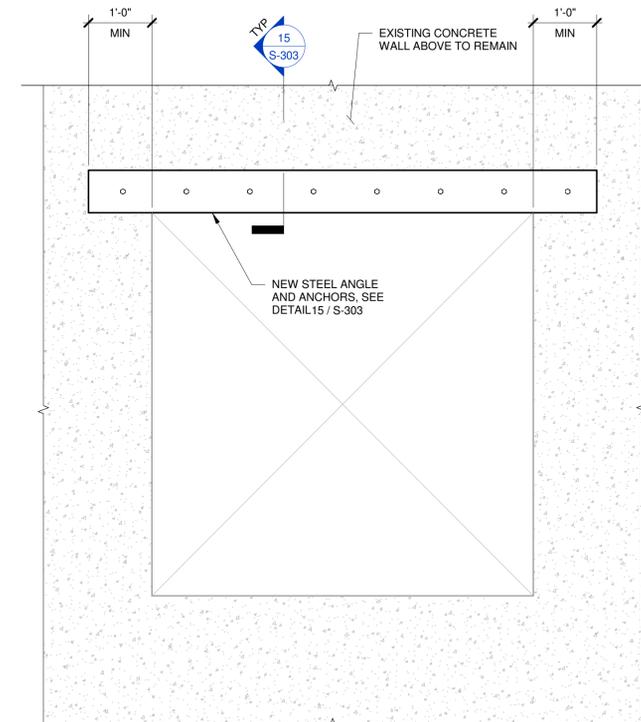
**9** SECTION AT EXERCISE YARD-2  
3/4" = 1'-0"



**19** SECTION AT SHERIFF'S STATION  
3/4" = 1'-0"



**7** SECTION AT EXERCISE YARD-1  
3/4" = 1'-0"



**17** NEW OPENING IN EXISTING CONCRETE WALL  
3/4" = 1'-0"



NOT FOR CONSTRUCTION		
#	ISSUED FOR	DATE
	REVIEW	08.14.2024
	PERMIT/BID	08.30.2024
	ADDENDUM #1	09.04.2024

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REVIEW BY: YA / DD

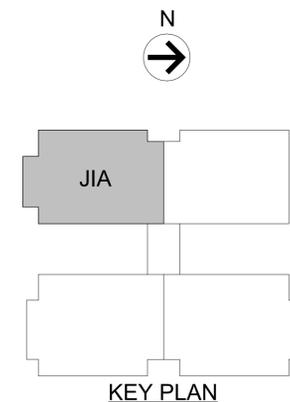
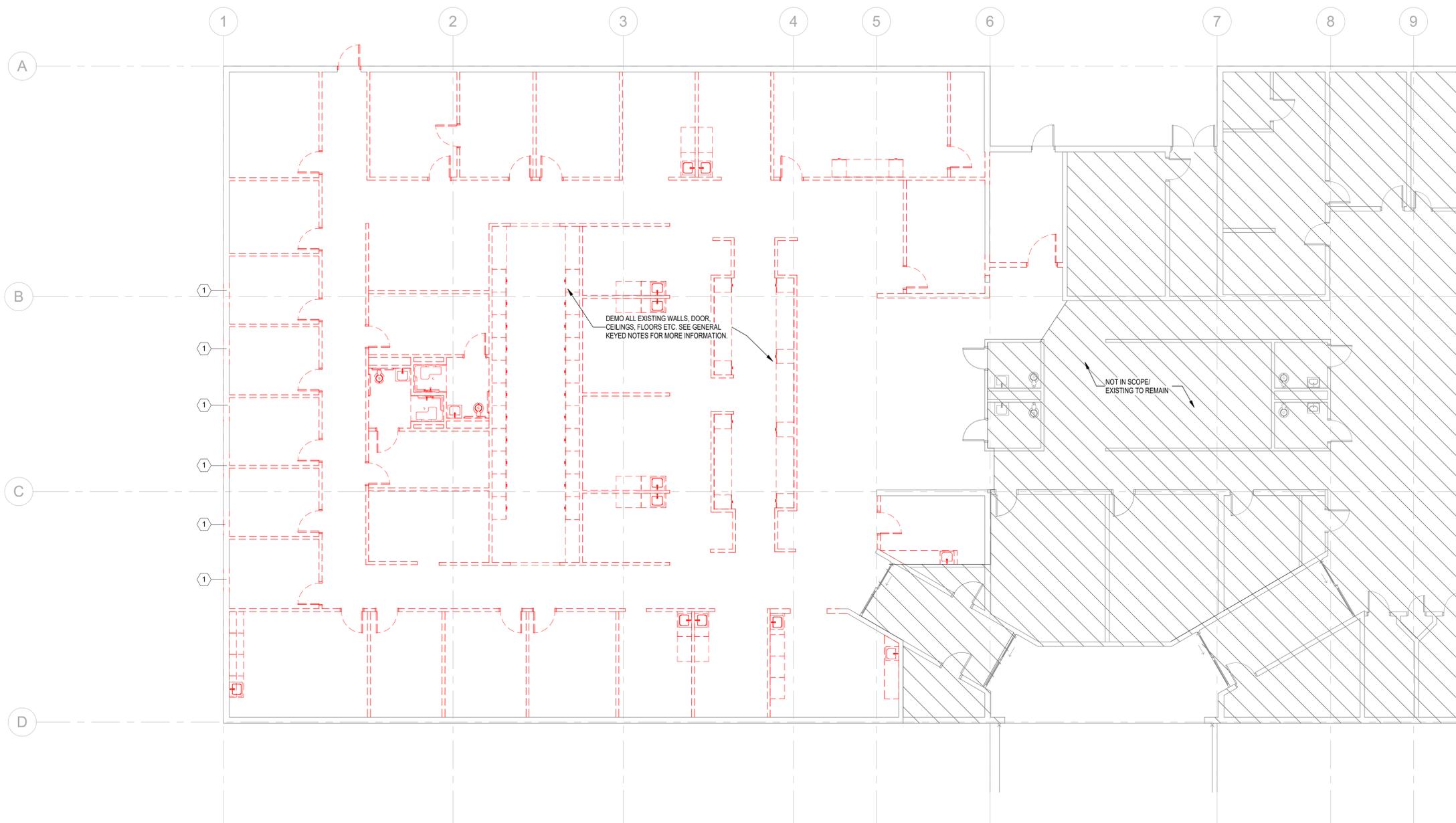
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S-303



HCSO MENTAL HEALTH POD

520 N FALKENBURG ROAD  
TAMPA, FLORIDA 33619

DEMOLITION PLAN - JIA

#	ISSUED FOR	DATE
	DESIGN DEVELOPMENT	06.20.24
	75% CD (OWNER APPROVAL)	07.26.24
	ADDENDUM #1	09.04.24

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REVIEW BY: Project Manager  
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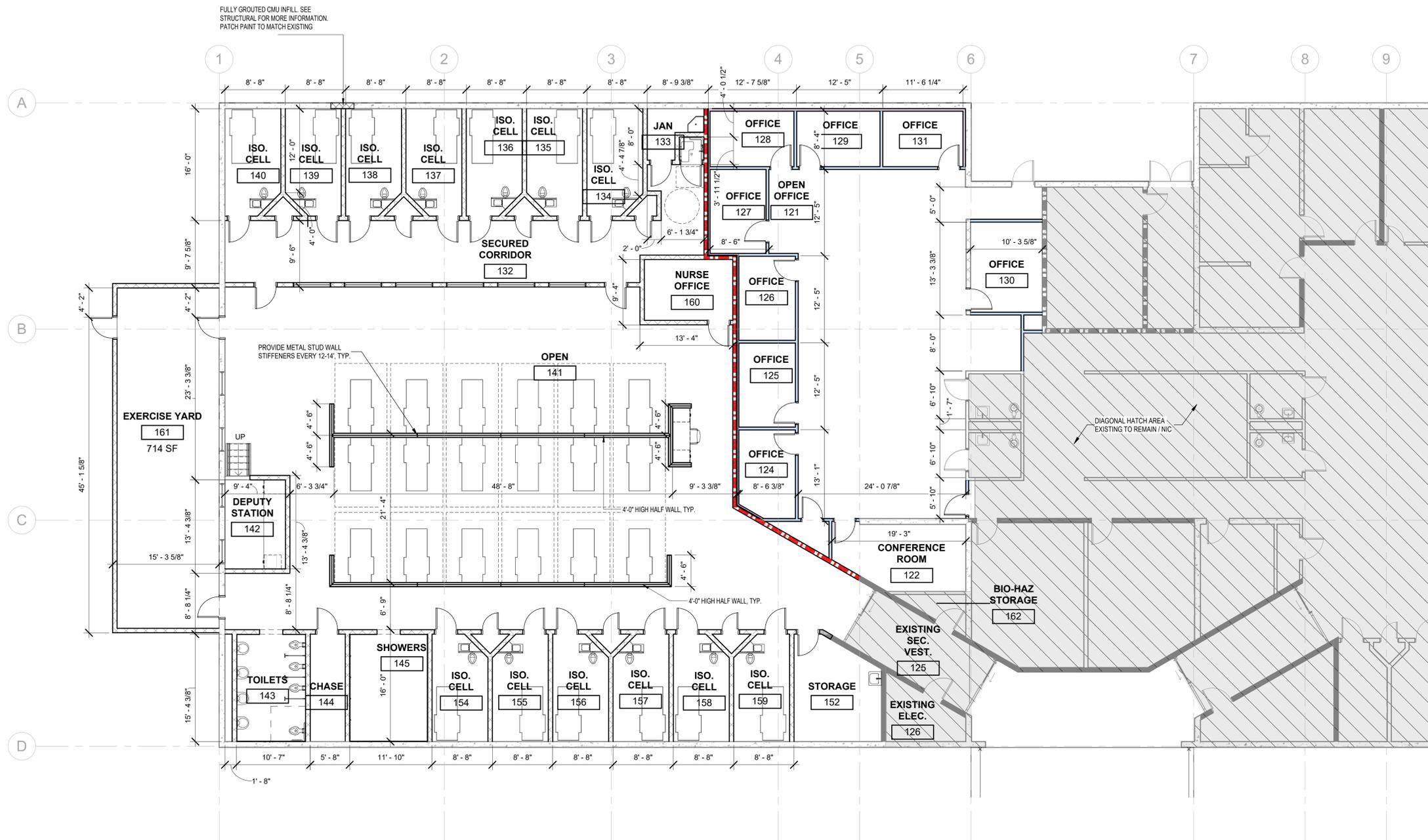
1 DEMOLITION PLAN JIA  
1/8" = 1'-0"

24001.01

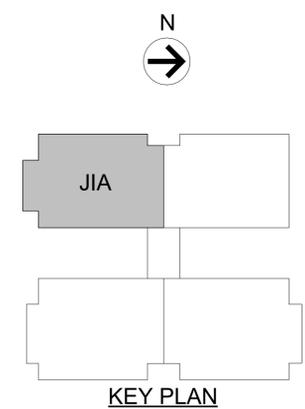
AD-101A

GENERAL SHEET NOTES:

1. CONTRACTOR TO VERIFY ALL DIMENSIONS, NOTIFY ARCHITECT WITH ANY DIMENSIONAL CONFLICTS.
2. FURNITURE SHOWN FOR REFERENCE ONLY. NOT INCLUDED IN SCOPE OF WORK. ALL FF&E, INCLUDING INMATE BEDS, TABLES, AND CHAIRS, TO BE OWNER FURNISHED AND CONTRACTOR INSTALLED (OFCI)
3. SEE G-005 FOR WALL DESIGN DETAILS AND REQUIREMENTS.



1 DIMENSION FLOOR PLAN  
1/8" = 1'-0"



HCSO MENTAL HEALTH POD

520 N FALKENBURG ROAD  
TAMPA, FLORIDA 33619

DIMENSION FLOOR PLAN - JIA

#	ISSUED FOR	DATE
1	DESIGN DEVELOPMENT	06.20.24
2	75% CD (OWNER APPROVAL)	07.25.24
3	ADDENDUM #1	09.04.24

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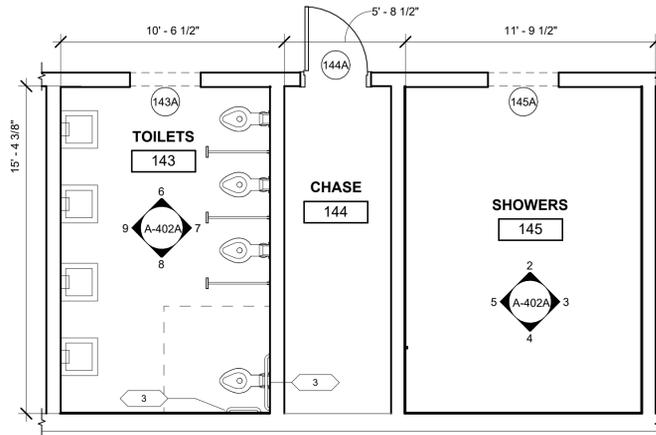




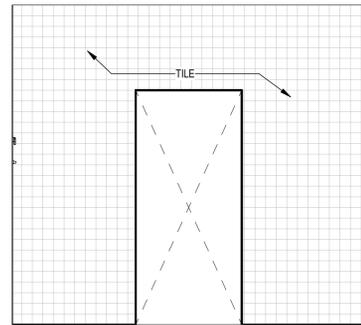
TOILET ACCESSORIES			
MARK	DESCRIPTION	MANUFACTURER	COMMENTS
1	STAINLESS STEEL PARTITION		FLOOR TO CEILING MOUNT
2	STAINLESS STEEL SECURITY MIRROR	ACORN, MODEL 1817-A	FRONT MOUNT, INTEGRAL FRAME
3	36"X42" STAINLESS STEEL GRAB BARS		SEE G-300
4	TOILET PAPER HOLDER	ACORN, MODEL 1840	

**GENERAL SHEET NOTES**

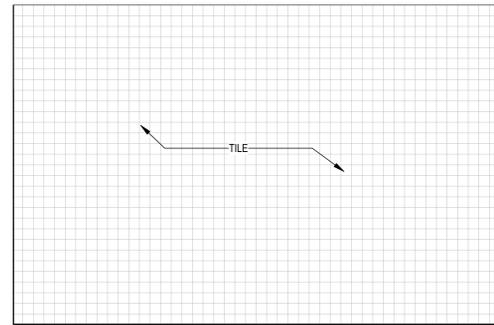
- CONTRACTOR SHALL PROVIDE BLOCKING FOR INSTALLATION OF ACCESSORIES AND GRAB BARS AS REQUIRED.
- ALL RESTROOM ACCESSORIES SHALL BE ADA COMPLIANT. REFER TO G-006 FOR ACCESSORY MOUNTING HEIGHTS.
- ALL EQUIPMENT SHALL BE ADA COMPLIANT. PROVIDE ACCESSORIES SUBMITTAL & CUT SHEET FOR TENANT AND AOR APPROVAL.
- ALL RESTROOM WALLS SHALL RECEIVE TILE AS NOTED IN ELEVATIONS. TILE SHALL RUN ALL THE WAY UP THE WALL.
- TILE IN ELEVATIONS IS TO BE USED FOR LOCATION PURPOSES ONLY. DESIGN OF THE TILE TO BE CHOSEN BY THE TENANT, OWNER, AND AOR.
- EQUIVALENT ACCESSORIES BY BOBRICK OR AMERICAN SPECIALTIES IS ACCEPTABLE.



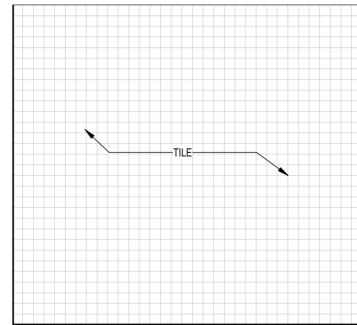
1 ENLARGED RESTROOM PLAN  
1/4" = 1'-0"



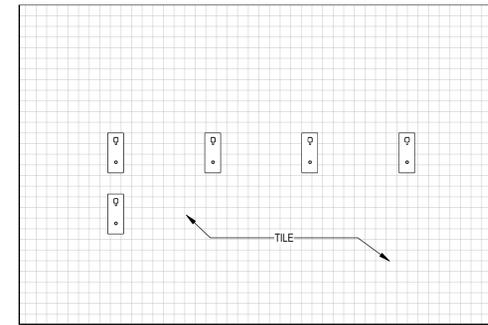
2 SHOWERS 145 ELEV 1  
3/8" = 1'-0"



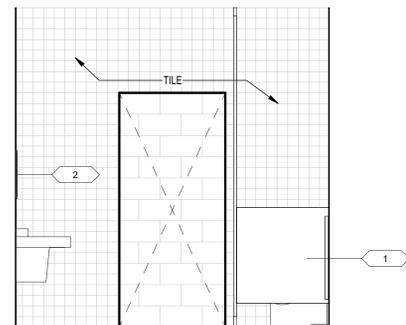
3 SHOWERS 145 ELEV 2  
3/8" = 1'-0"



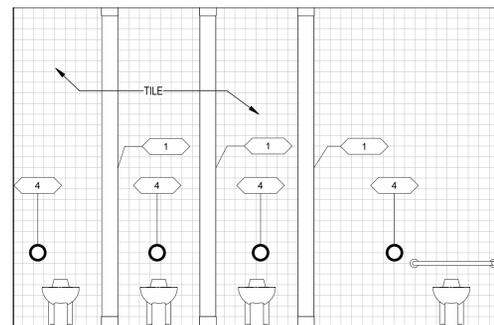
4 SHOWERS 145 ELEV 3  
3/8" = 1'-0"



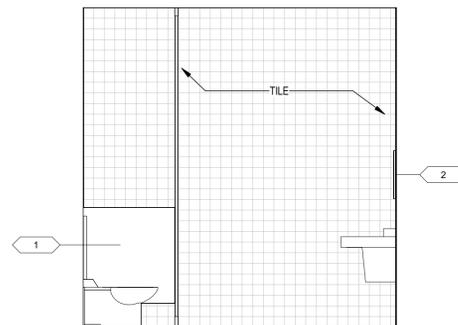
5 SHOWERS 145 ELEV 4  
3/8" = 1'-0"



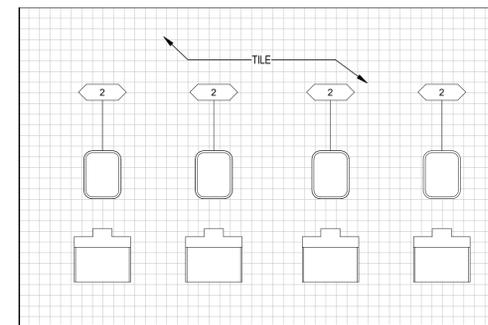
6 TOILET 149 ELEV 1  
3/8" = 1'-0"



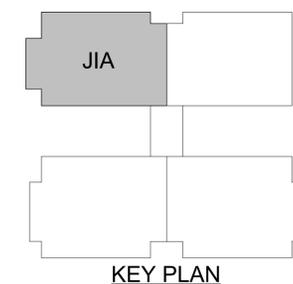
7 TOILET 149 ELEV 2  
3/8" = 1'-0"



8 TOILET 149 ELEV 3  
3/8" = 1'-0"



9 TOILET 149 ELEV 4  
3/8" = 1'-0"



HCSO MENTAL HEALTH POD

520 N FALKENBURG ROAD  
TAMPA, FLORIDA 33619

ENLARGED RESTROOM PLANS AND ELEVATIONS - JIA

#	ISSUED FOR	DATE
	75% CD (OWNER APPROVAL)	07.25.24
	PERMIT/BID	08.30.24
	ADDENDUM #1	09.04.24

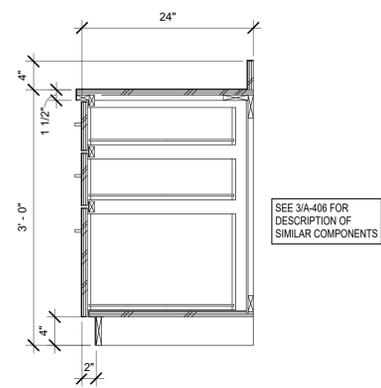
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REVIEW BY: Project Manager  
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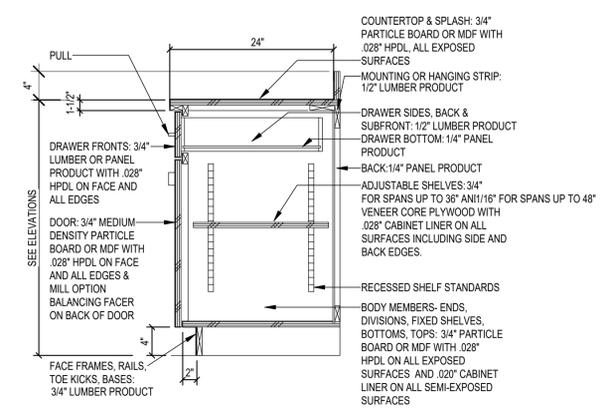
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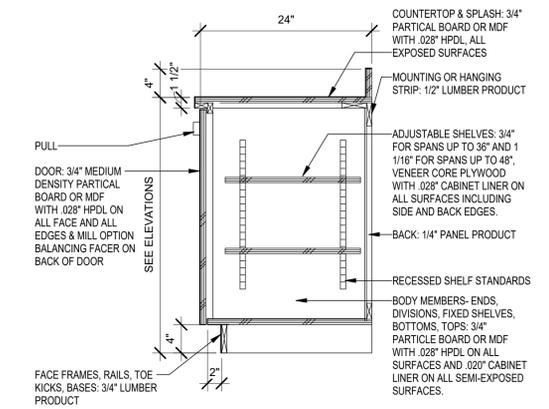
A-402A



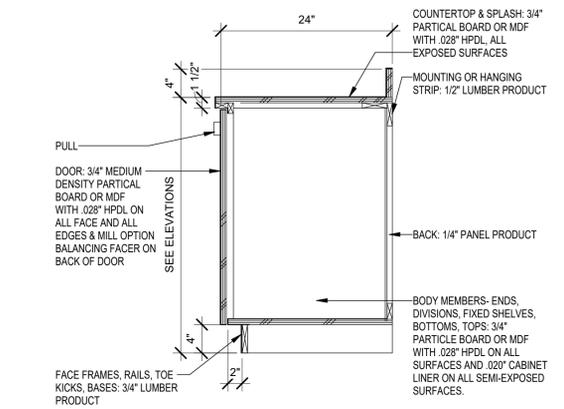
1 BASE CABINET - 2 SMALL/1 LARGE DRAWER  
1" = 1'-0"



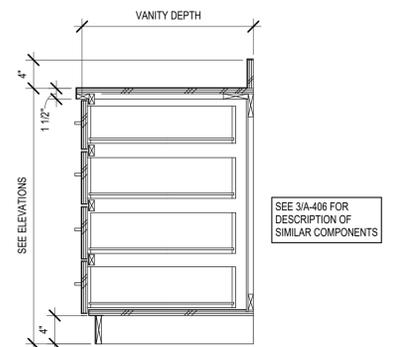
2 BASE CABINET - LAMINATE DRAWER  
1" = 1'-0"



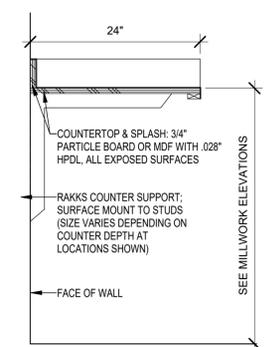
3 Base Cabinet - One Door (Laminate)  
1" = 1'-0"



4 BASE CABINET - ONE DOOR (NO SHELVES)  
1" = 1'-0"



5 BASE CABINET - VANITY DRAWER  
1" = 1'-0"



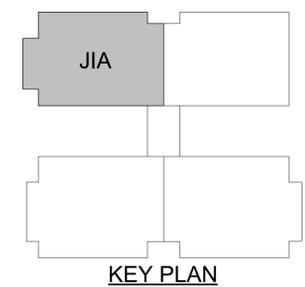
6 COUNTERTOP (LAMINATE)  
1" = 1'-0"

HCSO MENTAL HEALTH POD

520 N FALKENBURG ROAD  
TAMPA, FLORIDA 33619

MILLWORK DETAILS - JIA

#	ISSUED FOR	DATE
	75% CD (OWNER APPROVAL)	07.25.24
	PERMIT/BID	08.30.24
	ADDENDUM #4	09.04.24



KEY PLAN

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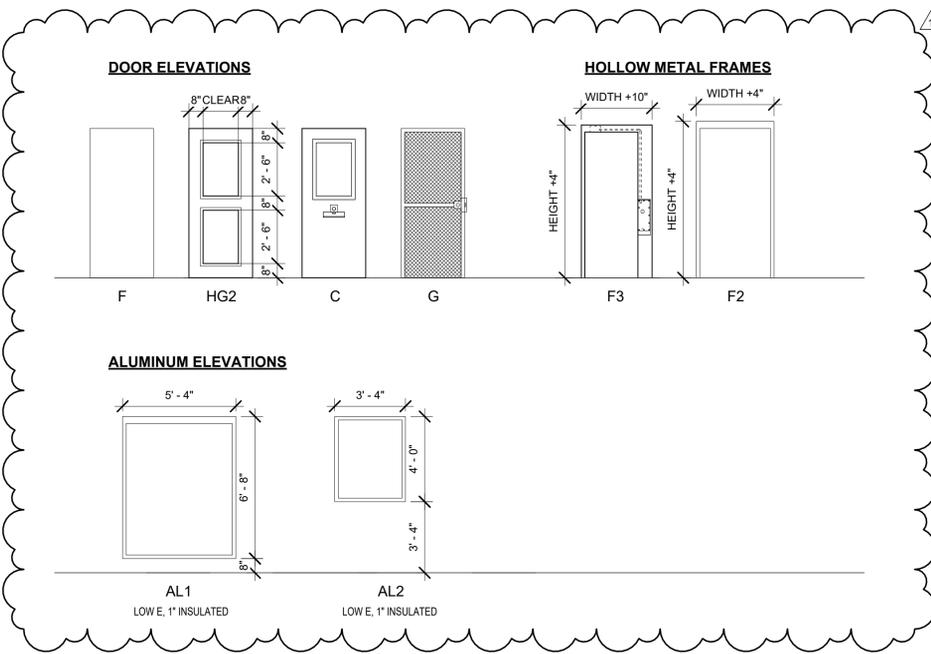
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A-403A



Mark	Door						Frame			Fire Rating	Hardware	Comments
	Width	Height	Thickness	Elevation	Material	Finish	Frame Elevation	Frame Material	Frame Finish			
121A	3'-0"	7'-0"	1 3/4"	F	SCW	FF	F1	HM	PAINT		1	
122A	3'-0"	7'-0"	1 3/4"	F	SCW	FF	F1	HM	PAINT		2	
123A	3'-0"	7'-0"	1 3/4"	F	SCW	FF	F1	HM	PAINT		1	
124A	3'-0"	7'-0"	1 3/4"	N	SCW	FF	F1	HM	PAINT		1	
125A	3'-0"	7'-0"	1 3/4"	N	SCW	FF	F1	HM	PAINT		1	
126A	3'-0"	7'-0"	1 3/4"	N	SCW	FF	F1	HM	PAINT		1	
127A	3'-0"	7'-0"	1 3/4"	N	SCW	FF	F1	HM	PAINT		1	
128A	3'-0"	7'-0"	1 3/4"	N	SCW	FF	F1	HM	PAINT		1	
129A	3'-0"	7'-0"	1 3/4"	N	SCW	FF	F1	HM	PAINT		1	
130A	3'-0"	7'-0"	1 3/4"	N	SCW	FF	F1	HM	PAINT		1	
131A	3'-0"	7'-0"	1 3/4"	N	SCW	FF	F1	HM	PAINT		1	
132A	3'-0"	7'-0"	2"	FG	HDHM	PAINT	F3	HDHM	PAINT		3	
132B	3'-0"	7'-0"	2"	FG	HDHM	PAINT	F3	HDHM	PAINT		3	
133A	3'-0"	7'-0"	2"	EM	STEEL	MANUF	F2	HDHM	PAINT		3	
134A	3'-0"	7'-0"	2"	C	HDHM	PAINT	F3	HDHM	PAINT		3	1
134B	2'-4"	7'-0"	2"	F	HDHM	PAINT	F2	HDHM	PAINT		4	
135A	3'-0"	7'-0"	2"	C	HDHM	PAINT	F3	HDHM	PAINT		3	1
136A	3'-0"	7'-0"	2"	C	HDHM	PAINT	F3	HDHM	PAINT		3	1
136B	2'-4"	7'-0"	2"	F	HDHM	PAINT	F2	HDHM	PAINT		4	
137A	3'-0"	7'-0"	2"	C	HDHM	PAINT	F3	HDHM	PAINT		3	1
138A	3'-0"	7'-0"	2"	C	HDHM	PAINT	F3	HDHM	PAINT		3	1
138B	2'-4"	7'-0"	2"	F	HDHM	PAINT	F2	HDHM	PAINT		4	
139A	3'-0"	7'-0"	2"	C	HDHM	PAINT	F3	HDHM	PAINT		3	1
140A	3'-0"	7'-0"	2"	C	HDHM	PAINT	F3	HDHM	PAINT		3	1
140B	2'-4"	7'-0"	2"	F	HDHM	PAINT	F2	HDHM	PAINT		4	
141A	3'-0"	7'-0"	2"	FG	HDHM	PAINT	F3	HDHM	PAINT		3	
141B	3'-0"	7'-0"	2"	FG	HDHM	PAINT	F3	HDHM	PAINT		3	
143A	3'-4"	7'-4"										2
144A	3'-0"	7'-0"	2"	F	HDHM	PAINT	F2	HDHM	PAINT		4	
145A	3'-4"	7'-4"										2
152A	3'-0"	7'-0"	2"	F	HDHM	PAINT	F2	HDHM	PAINT		4	
154A	3'-0"	7'-0"	2"	C	HDHM	PAINT	F3	HDHM	PAINT		3	1
154B	2'-4"	7'-0"	2"	F	HDHM	PAINT	F2	HDHM	PAINT		4	
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156A	3'-0"	7'-0"	2"	C	HDHM	PAINT	F3	HDHM	PAINT		3	1
156B	2'-4"	7'-0"	2"	F	HDHM	PAINT	F2	HDHM	PAINT		4	
157A	3'-0"	7'-0"	2"	C	HDHM	PAINT	F3	HDHM	PAINT		3	1
158A	3'-0"	7'-0"	2"	C	HDHM	PAINT	F3	HDHM	PAINT		3	1
158B	2'-4"	7'-0"	2"	F	HDHM	PAINT	F2	HDHM	PAINT		4	
159A	3'-0"	7'-0"	2"	C	HDHM	PAINT	F3	HDHM	PAINT		3	1
160A	3'-0"	7'-0"	2"	FG	HDHM	PAINT	F3	HDHM	PAINT		3	
161A	3'-0"	7'-0"	2"	F	HDHM	PAINT	F3	HDHM	PAINT		3	



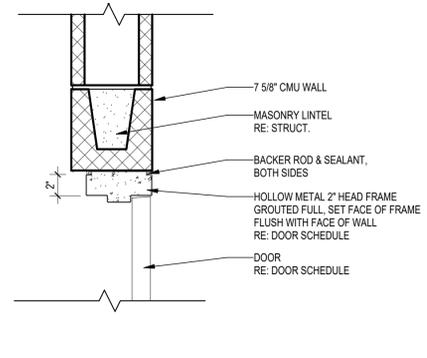
- DOOR & FRAME GENERAL NOTES**
- VERIFY DOOR SIZE AND STYLE WITH DOOR MANUFACTURER
  - SIZES LISTED ARE NOMINAL. VERIFY SIZES IN FIELD. VERIFY SIZES AND INSTALLATION REQUIREMENTS WITH MANUFACTURER.
  - ALL DOORS TO HAVE LEVER HANDLES AND COMPLY WITH ADA.
  - PROVIDE ADA COMPLIANT THRESHOLDS AS REQUIRED.
- GENERAL WINDOW NOTES**
- SIZES LISTED ARE NOMINAL. VERIFY ALL OPENING SIZES IN FIELD. VERIFY SIZES AND INSTALLATION REQUIREMENTS WITH MANUFACTURER.
  - ALL INTERIOR GLAZING SHALL BE CLEAR, SINGLE PANE GLASS 1/4" NOMINAL.
- NOTE:**
- CONTRACTOR TO PROVIDE FULL HARDWARE SCHEDULE FOR REVIEW AND COORDINATE WITH OWNER TO PROVIDE A MASTER KEY.
  - PROVIDE KICK PLATES TO ALL EGRESS ENTRY/EXIT DOORS, AS APPLICABLE.

- DOOR SCHEDULE KEY NOTES:**
- INMATE CELL DOOR TO BE HALF GLASS WITH SECURABLE, TRAY PASS THROUGH.
  - CASED OPENING

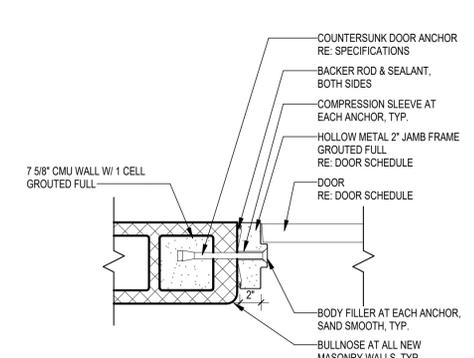
**DOOR HARDWARE SCHEDULE**

KEY NAME	HINGE SET	LOCK FUNCTION	COMMENTS
1	3 BUTT	PRIVACY / OFFICE	
2	3 BUTT	PASSAGE	
3	3 BUTT	CELL / HEAVY DUTY	
4	3 BUTT	PRIVACY / STORAGE	

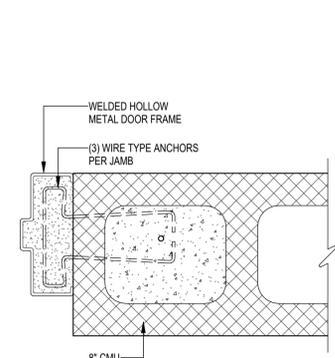
- ABBREVIATIONS:**
- F - FLUSH
  - FG - FULL GLASS
  - HG - HALF GLASS
  - SL - SLIDING
  - AL - ALUMINUM
  - HM - HOLLOW METAL
  - N - NARROW LIGHT
  - P - PAINTED
  - S - STAINED
  - SCW - SOLID CORE WOOD
  - WD - WOOD
  - HDHM - HEAVY DUTY HOLLOW METAL
  - C - CELL
  - EM - EXPANDED METAL CAGE DOOR



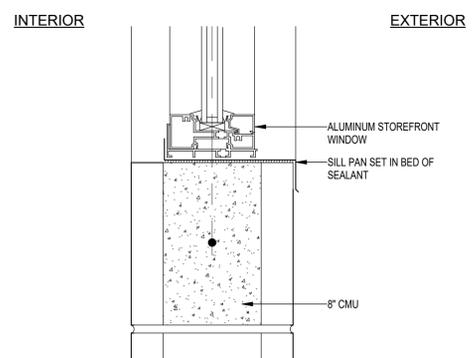
2 Hollow Metal Head @ CMU Wall  
1 1/2" = 1'-0"



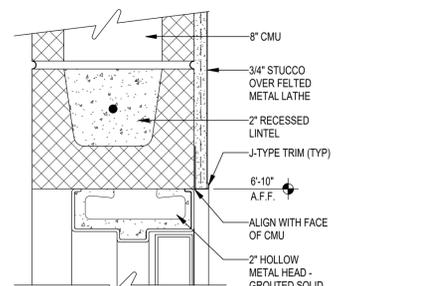
3 Hollow Metal Jamb @ CMU Wall  
1 1/2" = 1'-0"



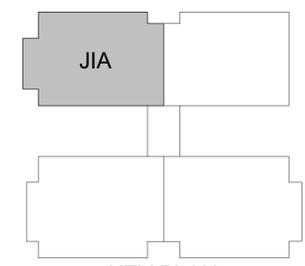
4 Jamb - Hollow Metal Door Frame in CMU  
3" = 1'-0"



5 Sill - Exterior Storefront - CMU  
3" = 1'-0"



6 Head - 82" Hollow Metal Door Frame in CMU/Stucco  
3" = 1'-0"



HCSO MENTAL HEALTH POD

520 N FALKENBURG ROAD  
TAMPA, FLORIDA 33619

SCHEDULES, DOOR & WINDOW ELEVATIONS - JIA

#	ISSUED FOR	DATE
	75% CD (OWNER APPROVAL)	07.25.24
	PERMIT/BID	08.30.24
	ADDENDUM 4	09.04.24
1	ADDENDUM 5	09.20.24

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REVIEW BY: Project Manager  
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ROOM SCHEDULE						
NUMBER	NAME	CEILING FINISH	WALL FINISH	BASE FINISH	FLOOR FINISH	COMMENTS
121	OPEN OFFICE	ACT	PAINT	RB	LVT	
122	CONFERENCE ROOM	ACT	PAINT	RB	VCT	VCT & BASE TO BE OF/CI
124	OFFICE	ACT	PAINT	RB	VCT	VCT & BASE TO BE OF/CI
125	OFFICE	ACT	PAINT	RB	VCT	VCT & BASE TO BE OF/CI
127	OFFICE	ACT	PAINT	RB	VCT	VCT & BASE TO BE OF/CI
128	OFFICE	ACT	PAINT	RB	VCT	VCT & BASE TO BE OF/CI
129	OFFICE	ACT	PAINT	RB	VCT	VCT & BASE TO BE OF/CI
130	OFFICE	ACT	PAINT	RB	VCT	VCT & BASE TO BE OF/CI
131	OFFICE	ACT	PAINT	RB	VCT	VCT & BASE TO BE OF/CI
132	SECURED CORRIDOR	SEALED CONCRETE	PAINT	RB	VCT	VCT & BASE TO BE OF/CI
133	JAN	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
134	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
135	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
136	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
137	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
138	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
139	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
140	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
141	OPEN	OPEN	PAINT	RB	VCT	VCT & BASE TO BE OF/CI
142	DEPUTY STATION	OPEN	PAINT	RB	VCT	VCT & BASE TO BE OF/CI
143	TOILETS	SEALED CONCRETE	TILE	TILE	TILE	
144	CHASE	OPEN	PAINT	-	SEALED CONCRETE	
145	SHOWERS	SEALED CONCRETE	TILE	TILE	TILE	
152	STORAGE	OPEN	PAINT	RB	VCT	VCT & BASE TO BE OF/CI
154	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
155	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
156	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
157	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
158	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
159	ISO. CELL	SEALED CONCRETE	PAINT	-	SEALED CONCRETE	
160	NURSE OFFICE	ACT	PAINT	RB	VCT	VCT & BASE TO BE OF/CI
161	EXERCISE YARD	OPEN	PAINT	-	SEALED CONCRETE	

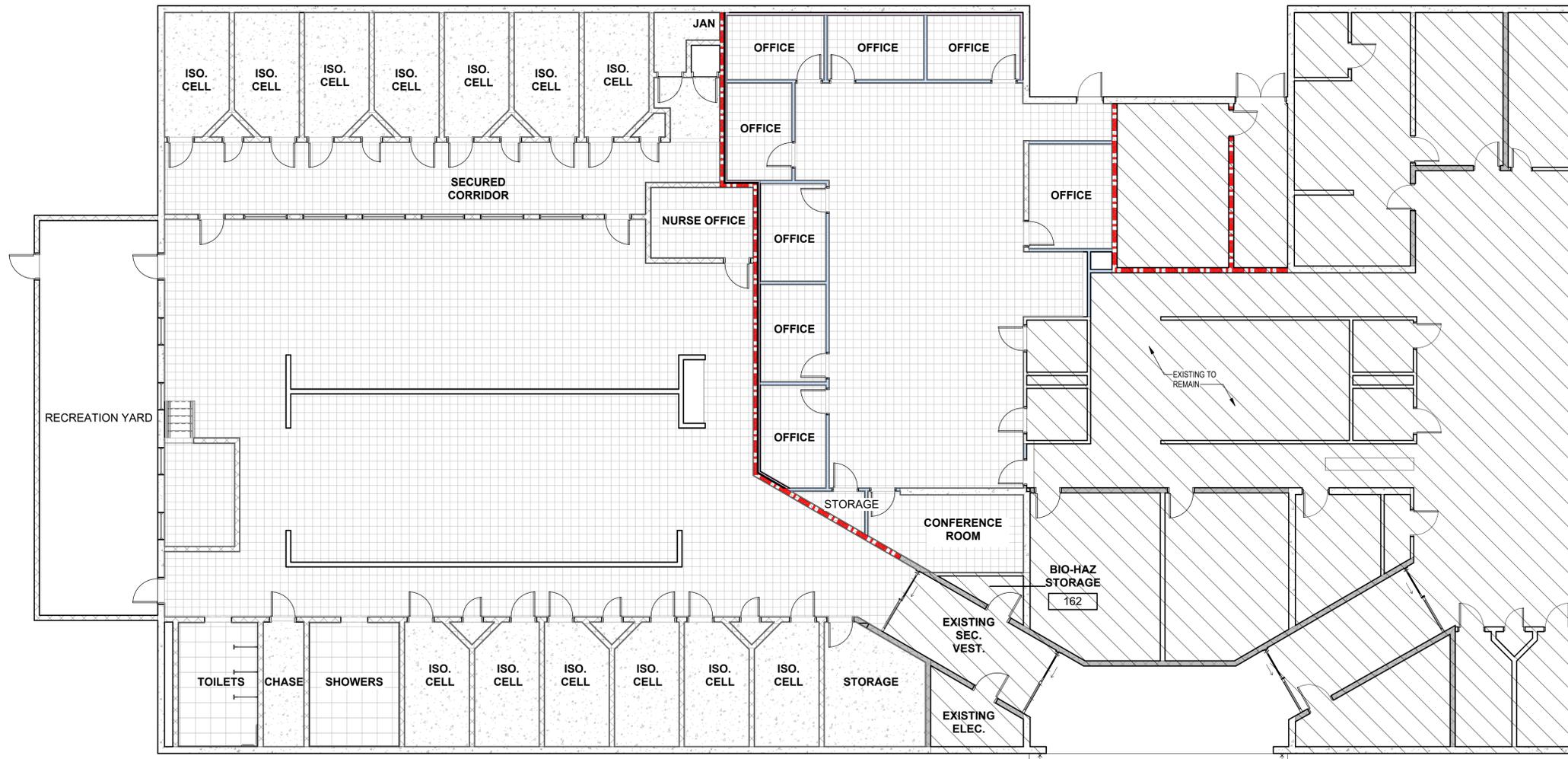
INTERIOR FINISH KEY ABBREVIATIONS

- ACT - ACOUSTICAL CEILING TILE
- CT - CERAMIC TILE
- PC - POLISHED CONCRETE
- SC - SEALED CONCRETE
- CPT - CARPET
- CT - CERAMIC TILE
- GYP - GYPSUM WALL BOARD
- LVT - VINYL TILE
- P - PAINT
- RB - RUBBER BASE
- TB - TILE BASE

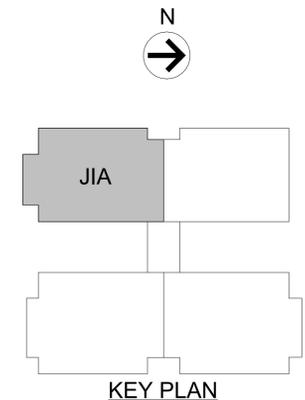
NOTE: SEE SHEET G-006 (GENERAL NOTES & ABBREVIATION) FOR ANY ADDITIONAL ABBREVIATIONS

FLOORING FINISH KEY

-  SEALED CONCRETE
-  CERAMIC TILE
-  LVT (OF01)



1 FLOOR FINISH PLAN  
1/8" = 1'-0"



HCSO MENTAL HEALTH POD

520 N FALKENBURG ROAD  
TAMPA, FLORIDA 33619

ROOM FINISH PLAN & SCHEDULE - JIA

#	ISSUED FOR	DATE
	75% CD (OWNER APPROVAL)	07.25.24
	PERMIT/BID	08.30.24
	ADDENDUM #1	09.04.24

DRAWN BY: -  
REVIEW BY: Project Manager  
THE LUNZ GROUP  
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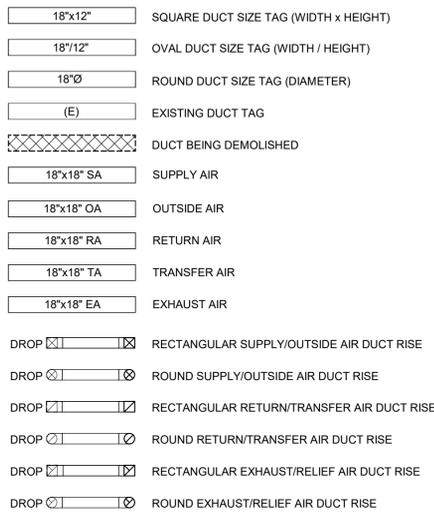
58 Lake Morton Dr  
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lunz.com

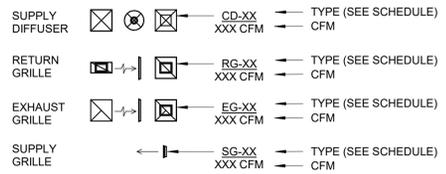
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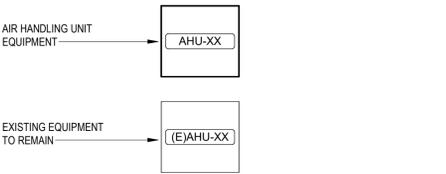
### HVAC SYMBOLS



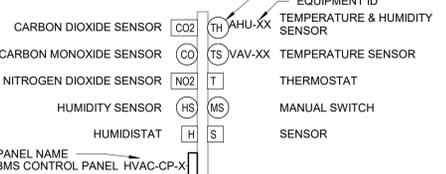
#### GRILLES, REGISTERS & DIFFUSERS TAG



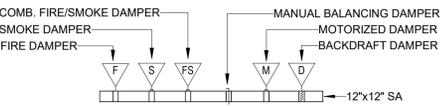
#### MECHANICAL EQUIPMENT TAGS



#### DATA DEVICE TAGS



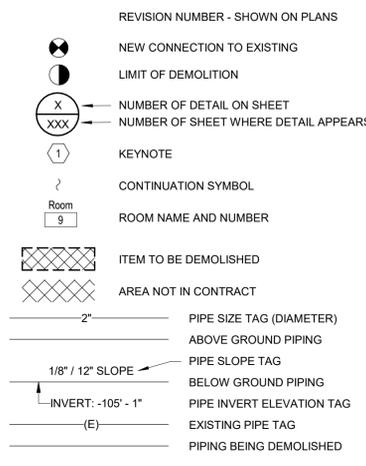
#### DAMPERS



#### \*NOTE\*

ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

### GENERAL MECHANICAL SYMBOLS



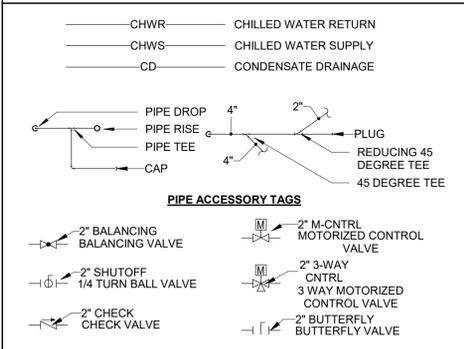
### ABBREVIATIONS

ABV	ABOVE	MBH	ONE THOUSAND BTU PER HOUR
AC	AIR CONDITIONING	MCF	ONE THOUSAND CUBIC FEET
ADD	ADDENDUM	MD	MOTORIZED DAMPER
AFF	ABOVE FINISHED FLOOR	MFR	MANUFACTURER
ALT	ALTERNATE	MIN	MINIMUM
AP	ACCESS PANEL	MISC	MISCELLANEOUS
ARCH	ARCHITECT/ARCHITECTURAL	MTR	MOTOR
BFF	BELOW FINISHED FLOOR	NC	NOISE CRITERIA
BTU	BRITISH THERMAL UNITS	NC	NORMALLY CLOSED
BTUH	BRITISH THERMAL UNITS PER HOUR	NIC	NOT IN CONTRACT
BTU/H	BRITISH THERMAL UNITS PER HOUR	NO	NORMALLY OPEN
CAP	CAPACITY	NTS	NOT TO SCALE
CFM	CUBIC FEET PER MINUTE	NUM	NUMBER
CLG	CEILING	OA	OUTSIDE AIR
D	DEGREE	OD	OUTSIDE AIR
DB	DRY BULB	PD	PRESSURE DROP
DIA	DIAMETER	PLBG	PLUMBING
DN	DOWN	PRESS	PRESSURE
EAT	ENTERING AIR TEMP	PRV	PRESSURE REDUCING VALVE
ELEC	ELECTRICAL	PSI	POUNDS PER SQUARE INCH
EQUIP	EQUIPMENT	PSIG	POUNDS PER SQUARE INCH (GAUGE)
EWC	ELECTRIC WATER COOLER	PWR	POWER
EWT	ENTERING WATER TEMP	R	DUCT RISER
EA	EXHAUST AIR	RA	RETURN AIR
EXIST	EXISTING	REC	RECESSED
F	DEGREES FAHRENHEIT	RED	REDUCER
FL	FLOOR	REL	RELATIVE HUMIDITY
FFM	FEET PER MINUTE	RLA	RELIEF AIR
FT	FOOT/FEET	RM	ROOM
GAL	GALLON	RPM	REVOLUTIONS PER MINUTE
GC	GENERAL CONTRACTOR	SF	SQUARE FOOT
GPM	GALLONS PER MINUTE	SA	SUPPLY AIR
HP	HORSEPOWER	SF	SQUARE FOOT
HTG	HEATING	SD	SMOKE DAMPER
HTR	HEATER	SM	SURFACE MOUNT
IN	INCH	SP	STATIC PRESSURE
INV	INVERT	T	THERMOSTAT
LB	POUND	TD	TEMPERATURE DROP
LB/HR	POUNDS PER HOUR	TEMP	TEMPERATURE
LAT	LEAVING AIR TEMPERATURE	TYP	TYPICAL
LP	LOW PRESSURE	UG	UNDERGROUND
LVR	LEAVING WATER TEMP	VENT	VENTILATION
LWT	MIXED AIR	WB	WET BULB
MA	MAXIMUM		
MAX	MAXIMUM		

### EQUIPMENT ABBREVIATIONS

AC	AIR CONDITIONING UNIT	EF	EXHAUST FAN
AHU	AIR HANDLING UNIT	EDH	ELECTRIC DUCT HEATER
CH	CHILLER	FCU	FAN COIL UNIT
CT	COOLING TOWER	GRV	GRAVITY ROOF VENTILATOR
CHWP	CHILLED WATER PUMP	PV	POWER ROOF VENTILATOR
CWP	CONDENSER WATER PUMP	RF	RETURN FAN
DC	DUCT MOUNTED COIL	RTU	ROOFTOP UNIT

### PIPING SYMBOLS



### MECHANICAL NOTES

- CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF FIELD CONDITIONS PRIOR TO BEGINNING WORK AND ORDERING EQUIPMENT, AND FOR COORDINATING NEW EQUIPMENT DIMENSIONS AND MEANS AND METHODS FOR INSTALLATION WITH FIELD CONDITIONS.
- CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH SUBMITTED EQUIPMENT TO ENSURE ALL INLET/OUTLET CONNECTIONS COORDINATE WITH FIELD INSTALLED DUCTWORK AND MAKE ANY NECESSARY DUCT MODIFICATIONS TO ENSURE PROPER OPERATION OF MECHANICAL EQUIPMENT.
- SUBMITTALS SHALL MEET SCHEDULED DESIGN CHARACTERISTICS, INCLUDING BUT NOT LIMITED TO CFMS, EAT(DBWB), ESP, CAPACITIES, VOLTAGES/PHASES, MCA/MOCP, SONES, ETC.
- ALL DUCT CONSTRUCTION, INSTALLATION, AND SUPPORTS ARE TO COMPLY WITH LATEST EDITION OF SMACNA'S HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE DUCT. ALL DUCTWORK SHALL BE 2" PRESSURE CLASS UNLESS OTHERWISE NOTED.
- ROUND DUCTS AND FITTINGS SHALL BE SPIRAL SEAM CONSTRUCTION, MANUFACTURED FROM G60 GALVANIZED STEEL ACCORDING TO ASTM A653/A924 AND AS SPECIFIED. RECTANGULAR DUCTWORK SHALL BE MANUFACTURED FROM G60 GALVANIZED SHEET METAL STEEL ACCORDING TO ASTM A653/A653M AND AS SPECIFIED.
- ALL WALL-MOUNTED THERMOSTATS AND/OR TEMPERATURE SENSORS SHALL BE INSTALLED AT AN ELEVATION OF 48" ABOVE FINISHED FLOOR TO THE TOP UNLESS OTHERWISE NOTED ON DRAWINGS. LOCATION OF WALL-MOUNTED THERMOSTATS SHALL BE COORDINATED WITH OTHER TRADES FOR A NEAT APPEARANCE. FINAL LOCATION OF THERMOSTATS SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER OR REPRESENTATIVE IN THE FIELD.
- ALL SUPPLY AIR DIFFUSERS SHALL BE 4-WAY THROW UNLESS NOTED OTHERWISE. CONTRACTOR SHALL PAINT INSIDE EACH RETURN GRILLE'S PLENUM AND DUCT CONNECTION FLAT BLACK TO CONCEAL CONNECTION, COORDINATE AIR DEVICE LOCATIONS WITH LIGHTING FIXTURES AND FIRE SPRINKLER HEADS. PRIOR TO INSTALLATION, THE CONTRACTOR IS TO REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN FOR ACTUAL FINAL LOCATIONS OF AIR DEVICES.
- CONTRACTOR SHALL COORDINATE DIFFUSER/GRILLE LOCATIONS WITH STRUCTURE IN EXPOSED SITUATIONS IN ORDER TO ENSURE AIR IS NOT DIRECTLY SUPPLIED OR RETURNED OVER STRUCTURE OR OTHER TRADE COMPONENTS SUCH AS FIRE SPRINKLER PIPING, PLUMBING PIPING, ETC., CAUSING DUST ACCUMULATION. DUCTWORK ALONG WITH DIFFUSER/GRILLE LOCATIONS SHALL BE INSTALLED SYMMETRICALLY WITH ANY ADJACENT DUCTWORK/GRILLES. CENTER DIFFUSERS/GRILLES BETWEEN STRUCTURAL MEMBERS WHERE DUCTWORK AND STRUCTURAL MEMBERS ARE EXPOSED. CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL INSTALLATION APPEARANCE AND SHALL MAKE APPROPRIATE CHANGES WHERE DIRECTED BY ARCHITECT/ENGINEER AT THEIR OWN EXPENSE WHERE ITEMS ARE NOT INSTALLED PER ABOVE STANDARDS.
- CONTRACTOR SHALL PROVIDE A COPY OF THE TEST AND BALANCE REPORT BY AN AABC OR NEBB CERTIFIED AGENCY. THIS REPORT MUST BE REVIEWED AND APPROVED BY THE ENGINEER PRIOR TO THE FINAL INSPECTION. THE CONTRACTOR MUST ALSO PROVIDE ALL REPORTS REQUIRED BY THE SPECIFICATION. OUTDOOR TEMPERATURE (DB); OUTSIDE AIR (DBWB & CFM); SUPPLY AIR AT INT DISCHARGE (DBWB & CFM); RETURN AIR (MIXED) (DBWB & CFM); LEAVING COIL (DBWB); DIFFUSER/GRILLE (DBWB); EQUIPMENT (EWT/LWT); EQUIPMENT (GPM); EQUIPMENT (PRESSURES). OUTSIDE AIR CFM SHALL BE MEASURED DIRECTLY AND NOT CALCULATED FROM THE DIFFERENCE BETWEEN SUPPLY AIR CFM AND RETURN AIR CFM.
- CONTRACTOR SHALL MAKE NECESSARY ADJUSTMENTS DURING TEST AND BALANCE AS REQUIRED TO ENSURE EQUIPMENT IS OPERATING WITHIN 10% OF THE SPECIFIED CRITERIA. THIS INCLUDES, BUT IS NOT LIMITED TO, ADJUSTING BELTS, SHEAVES, PULLEYS, AND IMPELLERS.
- ALL AIR HANDLING UNITS SHALL BE MECHANICALLY ATTACHED TO OTHER AIR DISTRIBUTION SYSTEM COMPONENTS. AIR HANDLING UNITS LOCATED OUTSIDE THE CONDITIONED SPACE SHALL BE SEALED USING APPROVED CLOSURE SYSTEMS CONFORMING TO THE APPROVED CLOSURE AND MECHANICAL APPLICATION REQUIREMENTS OF FLORIDA BUILDING CODE.
- ALL DUCTWORK MUST BE INSTALLED 6" AWAY FROM ANY FIRE RATED WALL TO FACILITATE INSPECTION.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL TRADES INSTALLATION AND WORK. MECHANICAL DUCTWORK AND PLUMBING SHALL BE INSTALLED PRIOR TO ANY TRADE WORK THAT CAN BE EASILY RELOCATED OR OFFSET SUCH AS ELECTRICAL CONDUITS, SMALL WATER LINES, ETC. IDEALLY DUCTWORK SHALL BE INSTALLED FIRST.
- PROVIDE A FIRE DAMPER AT EVERY DUCT PENETRATION OF A FIRE-RATED WALL OR CEILING, WHETHER SHOWN ON DRAWINGS OR NOT. ALL FIRE DAMPERS SHALL BE DYNAMIC TYPE WITH BLADES OUTSIDE AIRSTREAM, UNLESS NOTED OTHERWISE.
- PROVIDE FIRE, SMOKE, AND COMBINATION FIRE/SMOKE DAMPERS AT EVERY LOCATION WHERE REQUIRED BY SECTION 607.5 OF THE FBC-MECHANICAL, WHETHER SHOWN ON DRAWINGS OR NOT. PROVIDE PROPER DAMPER ACTUATION IN ACCORDANCE WITH SECTION 607.3.3 OF THE FBC-MECHANICAL. PROVIDE ACCESS AND IDENTIFICATION IN ACCORDANCE WITH SECTION 607.4 OF THE FBC-MECHANICAL.
- PENETRATIONS FOR PIPES, CONDUITS OR OTHER PURPOSES THROUGH ASSEMBLIES (FLOORS, ROOF, WALLS, PARTITIONS, ETC.) WITH A REQUIRED FIRE RESISTANCE RATING SHALL BE SEALED TO THE PENETRATING MEMBER IN AN APPROVED MANNER WHICH MAINTAINS THE REQUIRED FIRE RESISTANCE RATING OF THE ASSEMBLY.
  - WHERE HOLES FOR PENETRATIONS ARE FORMED CIRCULAR OR CORE-BORED, THE PENETRATION SHALL BE PROTECTED WITH FIRE-SEAL BRAND SMOKE AND FIRE STOP FITTINGS BY O-Z GEDNEY, LINK-SEAL BRAND BY THUNDER LINE, OR EQUAL APPROVED BY ENGINEER.
  - WHERE HOLES FOR PENETRATIONS ARE IRREGULAR (NON-CIRCULAR) IN SHAPE, THE PENETRATION SHALL BE PROTECTED WITH DOW CORNING 3-6548, SILICONE RTV FOAM, 3M FIRE BARRIER PENETRATION SEAL SYSTEM, OR EQUAL APPROVED BY THE ENGINEER.
- PROVIDE CEILING RADIATION DAMPERS AT PENETRATIONS TO CEILING MEMBRANE OF A FIRE-RESISTANCE-RATED FLOOR/CEILING OR ROOF/CEILING ASSEMBLY IN ACCORDANCE WITH SECTION 607.6.2 OF THE FBC-MECHANICAL.
- INTENT OF MECHANICAL NOTES ON DRAWINGS IS TO CLARIFY THE SCOPE OF WORK AND ALERT CONTRACTOR OF EXISTING CONDITIONS. CONTRACTOR IS TO VISIT THE SITE AND VERIFY ALL CLEARANCES BEFORE FABRICATION OF DUCTWORK, AND PROVIDE ADDITIONAL OFFSET AND/OR CHANGES IN DUCT SIZES TO MEET FIELD CONDITIONS, AND TO COORDINATE WITH ELECTRICAL, PLUMBING, AND FIRE PROTECTION SUBCONTRACTORS, BEFORE ANY CONSTRUCTION WORK.
- FLEXIBLE AND RIGID ROUND DUCT TAKE-OFFS FOR DIFFUSERS SHALL BE THE SAME SIZE AS DIFFUSER NECK. MAXIMUM FLEXIBLE DUCT LENGTH SHALL BE 5'-0".
- INSTALL DUCTWORK AS HIGH AS POSSIBLE, TIGHT TO BOTTOM OF STRUCTURE, UNLESS NOTED OTHERWISE. COORDINATE DUCT ELEVATIONS WITH RAIN LEADERS, WATER PIPING, SANITARY DRAINS, AND MAJOR ELECTRICAL CONDUITS.

### MECHANICAL NOTES

- CONTRACTOR SHALL PROVIDE ALL SUPPLEMENTARY STEEL STRUCTURES, INSERTS, SLEEVES, AND HANGING DEVICES REQUIRED TO INSTALL AND ADEQUATELY SUPPORT MECHANICAL EQUIPMENT AND COMPONENTS IN A MANNER WHICH WILL NOT OVERLOAD BUILDING STRUCTURE. CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR AND ALL BUILDING TRADES TO AVOID CONFLICTS AND TO MAINTAIN EQUIPMENT ACCESS AND SERVICEABILITY.
- PROVIDE A TRAP IN ALL CONDENSATE PIPING LOCATED AT THE AIR HANDLING EQUIPMENT. INSULATE ALL CONDENSATE LINES WITH 1/2" CLOSED CELL FOAM INSULATION. ALL PIPING EXPOSED TO EXTERNAL ELEMENTS SHALL BE JACKETED WITH UV STABILIZED PVC OR ALUMINUM SHEETING.
- IT IS THE RESPONSIBILITY OF THE MECHANICAL INSTALLER TO PATCH AND REPAIR ANY DUCT OPENINGS WHICH RESULT FROM THE RELOCATION OR ELIMINATION OF ANY EXISTING AIR DEVICES. THE PATCH IS TO BE OF A SIMILAR MATERIAL TO THE REPAIRED DUCT AND TO BE SEALED IN ACCORDANCE WITH SMACNA STANDARDS.
- AIR HANDLING EQUIPMENT WARRANTIES SHALL BE EQUAL TO OR EXCEED WARRANTY OF SCHEDULED EQUIPMENT, UNLESS NOTED OTHERWISE.
- PROVIDE ADDITIONAL DUCTWORK AND PIPING SUPPORTS ON BOTH SIDES AND WITHIN 18" OF EACH FIRE RATED WALL. DUCTWORK OR PIPING SHALL NOT BE SUPPORTED FROM ANY FIRE RATED WALL.
- ALL RECTANGULAR DUCTWORK SHALL BE PROVIDED WITH RADIUSSED ELBOWS UNLESS NOTED OTHERWISE ON DRAWINGS. FOR MITERED ELBOWS, PROVIDE SINGLE WALL TURNING VANES IN ALL RECTANGULAR DUCT ELBOWS WITH ANGLES FROM 45 DEGREES TO 90 DEGREES, EXCEPT FOR TRANSFER AIR ELBOWS. TURNING VANES SHALL BE PROVIDED ACCORDING TO SMACNA HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE.
- DUCT DIMENSIONS SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSIONS (FREE AREA).
- ALL HVAC EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS UNLESS INDICATED OTHERWISE.
- CONTRACTOR SHALL THOROUGHLY CLEAN AND ENSURE PROPER OPERATION OF ANY EXISTING HVAC EQUIPMENT AND COMPLETE SYSTEMS. ANY CHANGE TO THE SYSTEM SHALL RESULT IN EQUIPMENT MODIFICATIONS (AS REQUIRED) INCLUDING BUT NOT LIMITED TO REPLACING MOTORS, VFDs, PULLEYS, SHEAVES, BELTS, ETC. CONTRACTOR SHALL REPLACE ALL EQUIPMENT FILTERS AT COMPLETION OF CONSTRUCTION.
- CONTRACTOR SHALL PROVIDE A PERMANENT/PROFESSIONAL LABEL FOR EACH PIECE OF EQUIPMENT, ASSOCIATED THERMOSTAT(S) AND/OR SENSOR(S).
- DUCTWORK, DIFFUSERS, REGISTERS, GRILLES, AND OTHER MECHANICAL SYSTEM COMPONENTS SHALL NOT BE SUPPORTED BY THE CEILING OR CEILING SUSPENSION SYSTEM.
- LOW PRESSURE SUPPLY AND RETURN DUCTWORK SHALL BE EXTERNALLY INSULATED SHEET METAL CONSTRUCTION IN ACCORDANCE WITH LATEST SMACNA STANDARDS UNLESS OTHERWISE NOTED. DUCT INSULATION TO BE 2" THICK FOIL BACK WRAP, K=0.25 BTU-IN/°F-HR-F" 1.50LB/CF. INSTALLED R-VALUE = 6 MINIMUM, AS MANUFACTURED BY JOHNS MANVILLE OR EQUAL. JOINTS TO BE STAPLED AND TAPED WITH PRESSURE SENSITIVE TAPE (PER FMC 603) AS MANUFACTURED BY COMPAC INDUSTRIES MODEL # 120 (FLAME SPREAD = 5, SMOKE DEVELOPED = 10) OTHER ACCEPTABLE MANUFACTURERS ARE OWENS CORNING AND KNAUF. FACING SHALL BE FSK ALUMINUM FOIL. CONSTRUCTION SHALL COMPLY WITH RECOMMENDATIONS AND DETAILS IN SMACNA DUCT CONSTRUCTION STANDARDS, LATEST REVISION, AND MANUFACTURER'S RECOMMENDATIONS. SUPPORT DUCTS WITH 1x2x1/2 22 GAGE MINIMUM CHANNELS AND STRAP OR 12-GAGE WIRE FROM BUILDING CONSTRUCTION. SUSPEND FROM JOISTS WITH BEAM CLAMPS. PROVIDE HOT DIPPED STEEL FASTENERS, ANCHORS, RODS, STRAPS, TRIM AND ANGLES FOR SUPPORT OF DUCTWORK. DUCT SIZES ON CONSTRUCTION DOCUMENTS ARE INTERNAL FREE-AREA DIMENSIONS.
- EXPOSED DUCTWORK SHALL BE DOUBLE WALL INSULATED DUCTWORK WITH R-8 INSULATION. SPIRAL DUCTWORK SHALL BE INSTALLED IN ACCORDANCE WITH LATEST SMACNA STANDARDS UNLESS OTHERWISE NOTED. ALL EXPOSED DUCT SHALL CONTAIN DIFFUSERS/GRILLES EQUAL TO SCHEDULED MAKE AND MODEL. PAINT GRIP AND PAINT PER ARCHITECT.
- ALL MEDIUM PRESSURE SUPPLY DUCTWORK SHALL BE EXTERNALLY INSULATED SHEET METAL CONSTRUCTION IN ACCORDANCE WITH LATEST SMACNA STANDARDS. DUCT INSULATION TO BE 2" THICK FOIL BACK WRAP, K=0.25 BTU-IN/°F-HR-F" 1.50 LB/CF. INSTALLED R-VALUE = 6 MINIMUM, AS MANUFACTURED BY SCHULLER. JOINTS TO BE STAPLED AND TAPED WITH PRESSURE SENSITIVE TAPE AS MANUFACTURED BY COMPAC INDUSTRIES MODEL #120 (FLAME SPREAD = 5, SMOKE DEVELOPED = 10) OTHER ACCEPTABLE MANUFACTURERS ARE OWENS CORNING AND KNAUF.
- ALL EXHAUST DUCT WORK SHALL BE NON-INSULATED SHEET METAL, UNLESS NOTED OTHERWISE.
- ALL FLEXIBLE DUCTS SHALL BE LISTED AND LABELED TO UL 181 AND SHALL BE CLASS 0 OR CLASS 1. FLEXIBLE DUCTS SHALL HAVE A MINIMUM RATED AIR VELOCITY OF 4000 FPM, A MINIMUM POSITIVE PRESSURE RATING OF 4 IN. WG, AND A MINIMUM NEGATIVE PRESSURE RATING OF 1 IN. WG. ALL FLEXIBLE DUCTS SHALL MEET 2020 FLORIDA BUILDING CODE MECHANICAL SECTION 603.6.
- ALL DOOR UNDERCUTS FOR THE PURPOSE OF BALANCING RETURN AIR SHALL BE MINIMUM 1", PER FBC-MECHANICAL SECTION 601.6.
- ALL CONTROL WIRING SHALL BE INCLUDED AS PART OF MECHANICAL WORK; REFER TO ELECTRICAL SPECIFICATIONS FOR CONDUIT AND WIRING REQUIREMENTS. COORDINATE WITH ELECTRICAL CONTRACTOR TO ENSURE THAT REQUIRED INTERFACE DEVICES ARE PROVIDED WITH ELECTRICAL COMPONENTS (I.E. FAN SPEED RHEOSTATS, AUXILIARY CONTACTS, INTERLOCKS, ETC.).
- ALL EQUIPMENT DISCONNECTS, WHETHER INTERNALLY MOUNTED OR EXTERNALLY MOUNTED, SHALL BE FURNISHED AND INSTALLED BY MECHANICAL CONTRACTOR, WIRING BY ELECTRICAL CONTRACTOR. IF EXTERNALLY MOUNTED, PROVIDE DISCONNECTING MEANS AT SAME ELEVATION AS EQUIPMENT. REFER TO ELECTRICAL SPECIFICATIONS FOR REQUIREMENTS.
- MECHANICAL CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL CONTRACTOR BEFORE BIDDING/ORDERING AND INSTALLATION.
- WHERE MOTOR SPEED CONTROL IS REQUIRED, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE APPROPRIATE METHOD OF SPEED CONTROL. TYPICALLY, SINGLE PHASE MOTORS REQUIRE SPEED CONTROLLERS, AND THREE PHASE MOTORS REQUIRE VFD'S.

### GENERAL NOTES

- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATIVE OF WORK TO BE PROVIDED (FURNISHED AND INSTALLED) UNDER THIS CONTRACT. DRAWINGS SHOULD NOT BE SCALED.
- THE CONTRACTOR IS RESPONSIBLE TO EXAMINE THE EXISTING CONDITIONS UNDER WHICH HE SHALL OPERATE AND VERIFY THE EXTENT OF WORK REQUIRED TO COMPLETE THE WORK UNDER THIS CONTRACT.
- PRIOR TO ORDERING AND FABRICATING ANY EQUIPMENT, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE PHYSICAL CONDITIONS AT THE PROJECT SITE AND VERIFY SPACE AND SUFFICIENT CLEARANCES ARE AVAILABLE FOR INSTALLING EQUIPMENT, DUCTWORK, PIPING, AND APPURTENANCES, AND TO DETERMINE ANY NECESSARY MODIFICATIONS.
- PERFORM ALL WORK IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, REGULATIONS, AND STANDARDS ADOPTED BY THE AUTHORITY HAVING JURISDICTION. IF CONFLICTS EXIST BETWEEN THESE ENGINEERING DOCUMENTS AND CODES, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.
- ALL CONSTRUCTION WORK SHALL ALSO MEET THE FOLLOWING CODE REQUIREMENTS:
  - FLORIDA BUILDING CODE (FBC) 2023
  - FLORIDA EXISTING BUILDING CODE 2023
  - FLORIDA BUILDING CODE - MECHANICAL 2023
  - FLORIDA BUILDING CODE - PLUMBING 2023
  - FLORIDA BUILDING CODE - ENERGY CONSERVATION 2023
  - FLORIDA FIRE PREVENTION CODE 2023
  - NFPA 1-2021, THE UNIFORM FIRE CODE
  - NFPA 101-2021, THE LIFE SAFETY CODE
  - NFPA 518-2019, STANDARD FOR FIRE PREVENTION DURING WELDING, CUTTING AND OTHER HOT WORK
  - NFPA 13-2019, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
  - NFPA 70-2020, NATIONAL ELECTRICAL CODE
  - NFPA 90A-2021, STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTING SYSTEMS.
  - NFPA 241-2019, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS.
- CONTRACTOR SHALL COORDINATE AND SEQUENCE DEMOLITION, CLEANING, AND CONSTRUCTION WORK.
- CONTRACTOR SHALL NOTE ANY SPECIAL REQUIREMENTS FOR INSTALLATION OF WORK UNDER THIS CONTRACT. DISMANTLE AND REASSEMBLE EQUIPMENT AS NECESSARY FOR ENTRY INTO THE BUILDING AND THE LOCATION OF INSTALLATION.
- THE CONTRACTOR SHALL MAINTAIN A COMPLETE PROJECT SCHEDULE AND SHALL UPDATE THIS SCHEDULE AS CHANGES SHALL BE NOTED AND AN UPDATED SCHEDULE SHALL BE PROVIDED TO THE OWNER.
- ALL PERMITS, FEES, TAXES, ETC SHALL BE PAID BY CONTRACTOR AS PART OF THE TOTAL PROJECT COST.
- MAINTAIN THE INTEGRITY OF ALL FIRE AND SMOKE RATED WALLS, PARTITIONS, CEILINGS, AND FLOORS. SEAL ALL PENETRATIONS THROUGH RATED ASSEMBLIES WITH FIRESTOP MATERIAL IN ACCORDANCE WITH U.L. REQUIREMENTS TO MAINTAIN THE ASSEMBLY RATING.
- CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE AND SMOKE RATED ASSEMBLY PENETRATION BY DUCTS, PIPES, OR CONDUITS, AND SHALL DISPLAY THESE DRAWINGS ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
- CONTRACTOR SHALL REFER TO ALL DETAILS FOR PROPER GUIDANCE.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND EQUIPMENT SUBMITTALS FOR ALL PRODUCTS USED ON PROJECT.
- THE ENGINEER'S APPROVAL OF SUBMITTAL DATA SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR DEVIATIONS FROM THE REQUIREMENTS OF CONTRACT DOCUMENTS UNLESS THE CONTRACTOR HAS RECEIVED WRITTEN APPROVAL FROM THE ENGINEER TO THE SPECIFIC DEVIATION. THE ENGINEER'S APPROVAL OF SUBMITTAL DATA SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN HIS OR HER SUBMITTAL DATA.
- THE CONTRACTOR IS REQUIRED TO SUBMIT THREE COMPLETE O&M MANUALS IN THREE RING BINDERS AT SUBSTANTIAL COMPLETION. MANUALS SHALL INCLUDE INSTALLATION AND MAINTENANCE DATA ON ALL NEW EQUIPMENT AND MATERIALS, CERTIFIED TECHNICAL PRODUCT DATA, EQUIPMENT SHOP DRAWINGS, SPARE PARTS DATA, ETC. PROVIDE AN INDEX AND ASSOCIATED DIVIDERS.
- CLOSE OUT DOCUMENTS: THE CONTRACTOR IS TO MAINTAIN ONE SET OF CONSTRUCTION DRAWINGS ON SITE AND KEEP CURRENT WITH MARK UP AS-BUILT CONDITIONS DURING CONSTRUCTION OF THE PROJECT. THIS SET IS TO INCLUDE ALL CONTRACT CHANGES, MODIFICATIONS AND CLARIFICATIONS. THIS SET ALONG WITH ALL SHOP DRAWINGS SHALL BE TURNED OVER TO THE ARCHITECT/ENGINEER AFTER CONSTRUCTION COMPLETION.
- IT IS THE RESPONSIBILITY OF ALL BIDDERS TO THOROUGHLY REVIEW AND UNDERSTAND ALL CONSTRUCTION DOCUMENTS. THIS INCLUDES BUT IS NOT LIMITED TO ALL DRAWINGS, SPECIFICATION SECTIONS, ETC. THE DRAWINGS ARE SCHEMATIC IN NATURE. THEREFORE BEFORE STARTING ANY WORK, THE CONTRACTOR SHALL REVIEW ALL OTHER CONSTRUCTION DOCUMENTS, VERIFY FIELD CONDITIONS AND SHALL MAKE ANY REQUIRED MINOR ADJUSTMENTS WITHOUT EXTRA COST TO THE OWNER. ANY MAJOR DISCREPANCIES FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER. THE BASE BID SHALL REFLECT THE TOTAL COST OF NEW EQUIPMENT INSTALLATION. THIS INCLUDES LABOR, EQUIPMENT AND MATERIALS. NO CHANGE ORDERS SHALL BE ISSUED WITHOUT WRITTEN CONSENT AND APPROVAL FROM ENGINEER AND ARCHITECT.

### MECHANICAL SHEET LIST

Sheet Number	Sheet Name
M001A	MECHANICAL NOTES, LEGENDS & ABBREVIATIONS - JIA
MD101A	PARTIAL FLOOR PLAN - MECHANICAL DEMOLITION - JIA
MH101A	PARTIAL FLOOR PLAN - MECHANICAL DUCTWORK - JIA
M401A	MECHANICAL SECTION VIEWS
M501A	MECHANICAL DETAILS - JIA
M601A	MECHANICAL SCHEDULES - JIA

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TAMPA, FLORIDA 33619

MECHANICAL NOTES, LEGENDS & ABBREVIATIONS - JIA

#	ISSUED FOR	DATE
01	75% - JIA	07.26.24
02	PERMIT BID	08.20.24
03	ADDENDUM #1	09.20.24

DRAWN BY: PBU  
REVIEW BY: NPS

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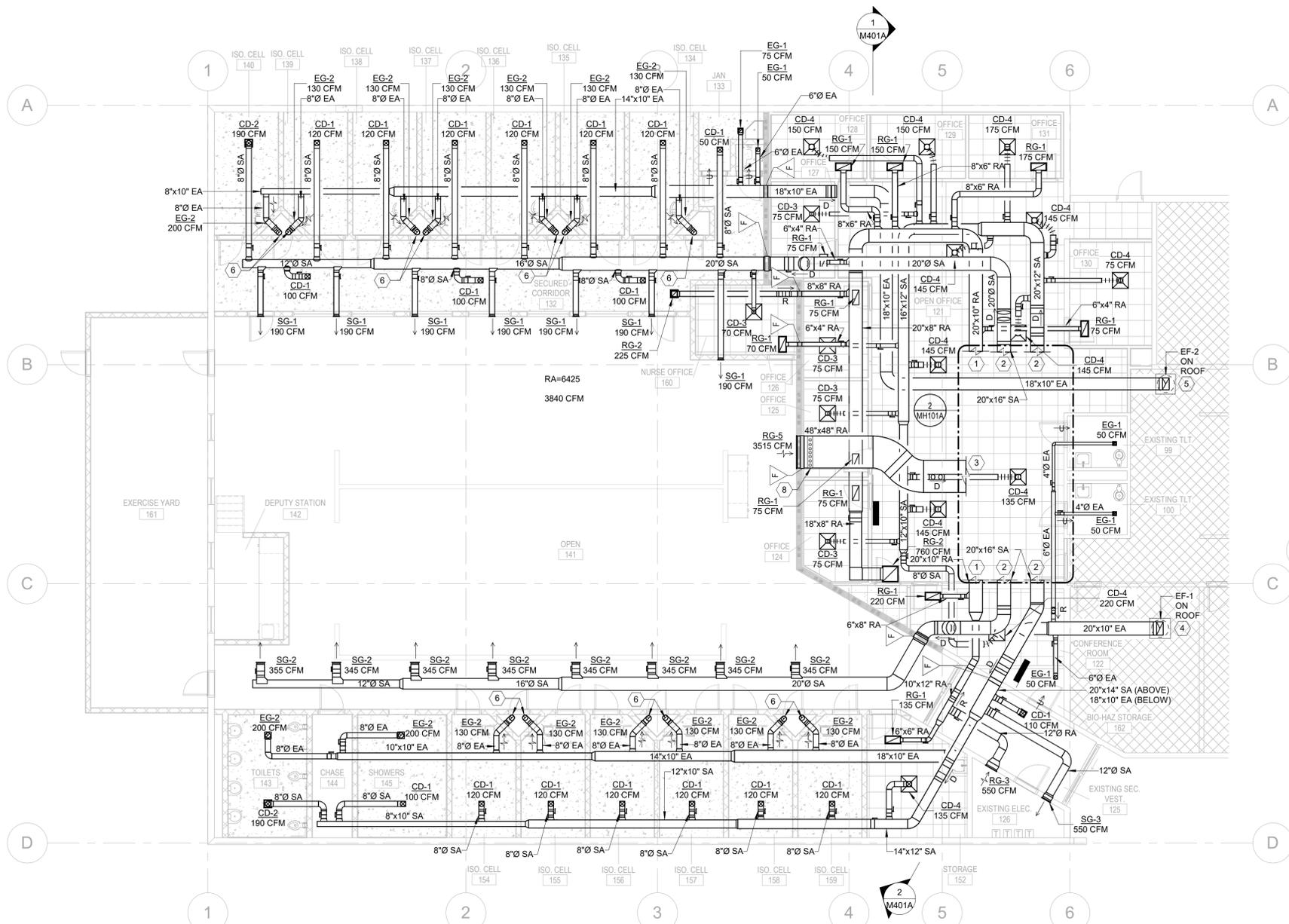
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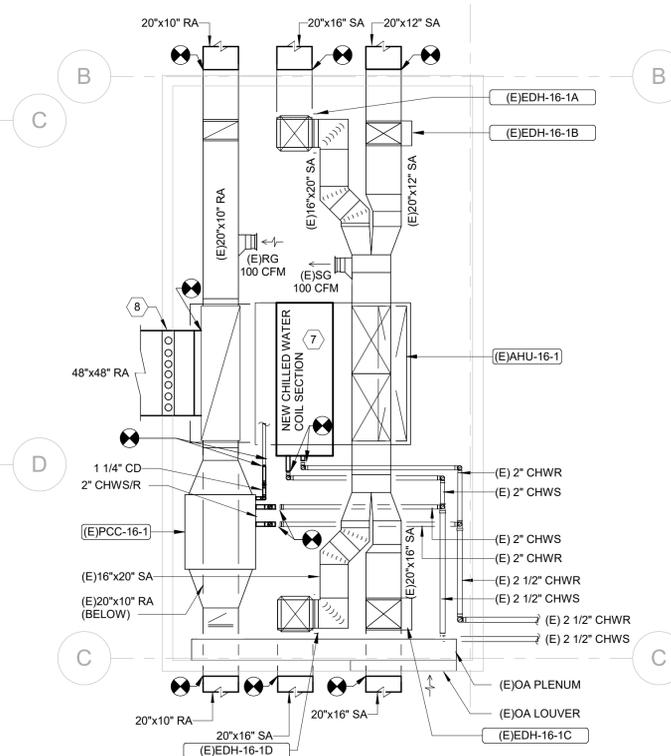


- ### GENERAL NOTES
- COORDINATE ALL DIFFUSER LOCATIONS WITH ARCHITECTURAL DRAWINGS AS WELL AS ALL OTHER TRADES.
  - THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT NECESSARILY SHOW ALL ELBOWS, OFFSETS, UNIONS, VALVES, AND FITTINGS REQUIRED TO COMPLETE INSTALLATION.
  - CONTRACTOR SHALL MAKE DUCT ROUTING ADJUSTMENTS AS NECESSARY TO MEET FIELD CONDITIONS.
  - CONTRACTOR SHALL REPLACE FILTERS ON HVAC EQUIPMENT AFTER ALL DUST PRODUCING CONSTRUCTION HAS BEEN COMPLETED AND PRIOR TO FINAL PUNCH.
  - ALL ROOF MOUNTED EXHAUST EQUIPMENT (EF-1 & EF-2) SHALL BE LOCATED AT LEAST 10'-0" AWAY FROM ALL OUTSIDE AIR INTAKES.
  - ALL EXISTING EQUIPMENT TO BE REUSED SHALL BE PRESSURE TESTED, THOROUGHLY CLEANED, AND SANITIZED TO AVOID POSSIBLE CONTAMINATION.
  - THERMOSTATS SHALL NOT BE LOCATED ON WALL IN DIRECT THROW PATH OF SUPPLY CEILING DIFFUSERS.
  - CAP AND SEAL EXISTING EXHAUST DUCTWORK THAT WAS DEMOLISHED BACK TO EXISTING ABANDONED ROOF EXHAUST FANS.

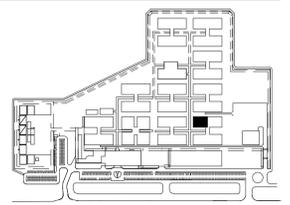
- ### KEYNOTES
- CONNECT TO EXISTING RETURN DUCTWORK AT MECHANICAL ROOM WALL PENETRATION. REFER TO ENLARGED PLAN ON THIS SHEET FOR CONTINUATION.
  - CONNECT TO EXISTING SUPPLY DUCTWORK AT MECHANICAL ROOM WALL PENETRATION. REFER TO ENLARGED PLAN ON THIS SHEET FOR CONTINUATION.
  - 48" x 48" RETURN DUCTWORK SHALL BE CONNECTED TO EXISTING RETURN PLENUM IN MEZZANINE MECHANICAL ROOM. REFER TO ENLARGED PLAN ON THIS SHEET FOR CONTINUATION.
  - 20" x 10" EXHAUST DUCT UP TO EF-1 ON ROOF. TRANSITION TO FULL SIZE OF UNIT OPENING IN VERTICAL.
  - 18" x 10" EXHAUST DUCT UP TO EF-2 ON ROOF. TRANSITION TO FULL SIZE OF UNIT OPENING IN VERTICAL.
  - INSTALL MANUAL DAMPER IN VERTICAL TO BE ACCESSIBLE FROM CHASE.
  - NEW CHILLED WATER COIL SECTION SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS. GENERAL CONTRACTOR SHALL EXTEND AHU CONCRETE PAD AS REQUIRED TO ACCOMMODATE WIDER COIL SECTION FOOTPRINT. NEW 2" CHILLED WATER SUPPLY AND RETURN, AND 1 1/4" CONDENSATE DRAINAGE SHALL BE INSTALLED AS REQUIRED TO CONNECT EXISTING PIPING SYSTEMS TO NEW CHILLED WATER COIL AND DRAIN PAN.
  - PROVIDE SECURITY BARS FOR 48"x48" DUCT PENETRATION. COORDINATE SIZE AND SPACING REQUIREMENTS WITH HCSO. MAXIMUM SECURITY BAR GRILLE SHALL BE EQUAL TO PRICE MODEL "MSBG."



**1 PARTIAL FLOOR PLAN - MECHANICAL DUCTWORK - JIA**  
 1/8" = 1'-0"



**2 ENLARGED PLAN - MEZZANINE PLAN - MECHANICAL DUCTWORK**  
 1/4" = 1'-0"



KEY PLAN

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 TAMPA, FLORIDA 33619

PARTIAL FLOOR PLAN - MECHANICAL DUCTWORK - JIA

#	ISSUED FOR	DATE
	CD - JIA	06.20.24
	75% - JIA	07.26.24
	PERMIT/BID	08.20.24
	ADDENDUM #1	09.04.24

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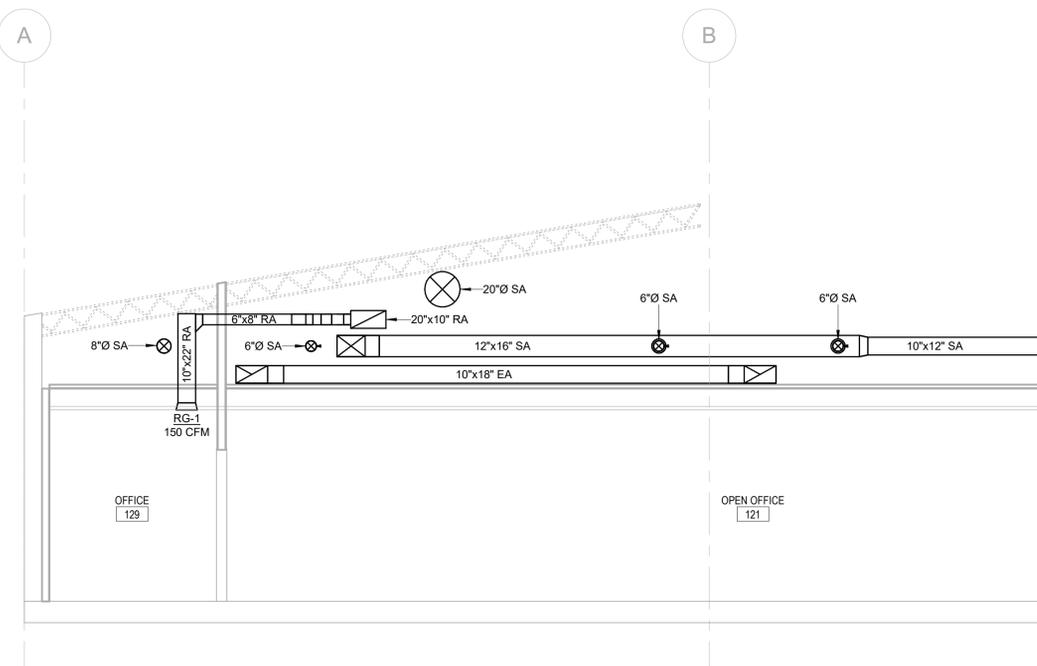
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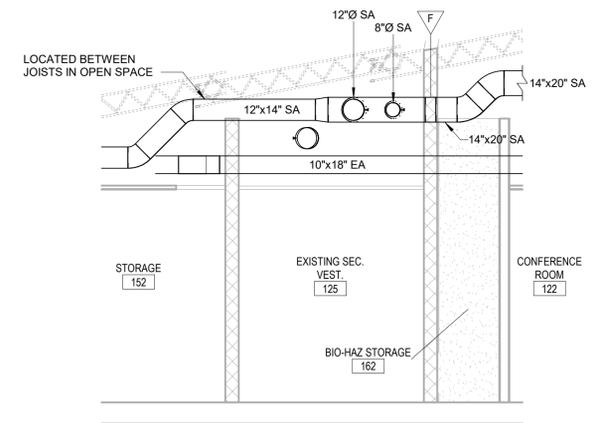
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MH101A



1 SECTION VIEW - OFFICE SPACE CEILING COORDINATION  
1/4" = 1'-0"



2 SECTION VIEW - SECURED VESTIBULE CEILING COORDINATION  
1/4" = 1'-0"

HCSO MENTAL HEALTH CLINIC

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MECHANICAL SECTION VIEWS

#	ISSUED FOR	DATE
	05 - JIA	06.20.24
	75% - JIA	07.26.24
	PERMIT/BID	08.20.24
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M401A



### AIR HANDLING UNIT SCHEDULE

MARK	LOCATION	MANUFACTURER	MODEL #	NOMINAL TONNAGE	SUPPLY FAN							CHILLED WATER COIL						FILTERS			DIMENSIONS			NOTES		
					SUPPLY CFM	OA CFM	ESP	# OF FANS	WHEEL DIAMETER (IN.)	HP	VOLTS/Ø/HZ	TOTAL (MBH)	SENSIBLE (MBH)	EAT (DBWB)	LAT (DBWB)	AIR ΔP (IN. W.C.)	GPM	EWTLWT	WATER ΔP (FT H2O)	TYPE	EFFICIENCY	ΔP (IN. W.C.)	LENGTH (IN.)		WIDTH (IN.)	HEIGHT (IN.)
(E)AHU-16-1	MEZZANINE MECH ROOM	DAIKIN	CAH017	13.5	9265	2840	2.00	1	22.25	7.5	460/3/60	162.0	124.3	66.3/59.2	54	0.48	27.00	44 / 56	12.70	PLEATED	MERV 8	0.66	88	80	46	1
(E)PCC-16-1	MEZZANINE MECH ROOM	DAIKIN	CAC007	18.4	-	2840	0.30	-	-	-	-	221.1	115.0	92.0/77.0	55	1.06	42.80	44 / 56	11.50	PLEATED	MERV 8	0.59	42	40	42	2

\* DESIGN CONDITIONS: OUTDOOR: SUMMER-92°F/77°F WINTER-40°F INDOOR: 75°F/50% RH

**NOTES:**

- EXISTING AIR HANDLING UNIT TO REMAIN. EXISTING CHILLED WATER COIL SECTION TO BE REMOVED AND REPLACED WITH NEW COIL SECTION. FURNISHED BY MANUFACTURER; INSTALLED BY MECHANICAL CONTRACTOR. CHILLED WATER COIL SECTION REPLACEMENT TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS. CONTRACTOR SHALL EXTEND EXISTING CONCRETE PAD AS REQUIRED TO ACCOMMODATE WIDER COIL SECTION.
- EXISTING PRE-COOLING COIL UNIT TO REMAIN. EXISTING CHILLED WATER COIL TO BE REMOVED AND REPLACED WITH NEW COIL. FURNISHED BY MANUFACTURER; INSTALLED BY MECHANICAL CONTRACTOR. CHILLED WATER COIL REPLACEMENT TO BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.

### OUTSIDE AIR CALCULATION - SINGLE ZONE (AHU-16-1)

OUTSIDE AIR CALCULATIONS BASED ON 2023 FLORIDA BUILDING CODE - MECHANICAL TABLE 403.3.1.1 "MINIMUM VENTILATION RATES"											
ROOM	AREA (FT²)	*PEOPLE /1000 FT²	PEOPLE**	CFM / PERSON	PEOPLE CFM	CFM / FT²	AREA CFM	AIR DISTRIBUTION EFFECTIVENESS	REQUIRED CFM	SUPPLIED CFM	CFM DIFFERENCE
121 - OPEN OFFICE	1385	5	11	5	55	0.06	83.1	0.8	173	175	2
122 - CONFERENCE ROOM	170	50	8	5	40	0.06	10.2	0.8	63	65	2
123 - EXISTING SEC. VEST.	155	0	0	0	0	0.06	9.3	0.8	12	15	3
124 - OFFICE	100	5	1	5	5	0.06	6	0.8	14	15	1
125 - OFFICE	96	5	1	5	5	0.06	5.76	0.8	14	15	1
126 - OFFICE	96	5	1	5	5	0.06	5.76	0.8	14	15	1
127 - OFFICE	96	5	1	5	5	0.06	5.76	0.8	14	15	1
128 - OFFICE	96	5	1	5	5	0.06	5.76	0.8	14	15	1
129 - OFFICE	96	5	1	5	5	0.06	5.76	0.8	14	15	1
130 - OFFICE	96	5	1	5	5	0.06	5.76	0.8	14	15	1
131 - OFFICE	135	5	1	5	5	0.06	8.1	0.8	17	20	3
132 - SECURED CORRIDOR	600	0	0	0	0	0.06	36	0.8	45	45	0
134 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
135 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
136 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
137 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
138 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
139 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
140 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
141 - OPEN	3580	30	20	5	100	0.06	214.8	0.8	394	395	1
142 - SHERIFF'S STATION	125	5	2	5	10	0.06	7.5	0.8	22	25	3
152 - STORAGE	220	2	0	5	0	0.06	13.2	0.8	17	20	3
154 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
155 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
156 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
157 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
158 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
159 - ISO. CELL	120	25	1	5	5	0.12	14.4	0.8	25	25	0
160 - NURSE OFFICE	105	25	1	5	5	0.12	12.6	0.8	22	25	3
<b>TOTAL CFM REQ'D</b>									1188	1215	27

### BUILDING PRESSURIZATION

MARK	OA	MARK	EA
(E)AHU-16-1	2,840	EF-1	1,330
		EF-2	1,105
<b>Total</b>		<b>Total</b>	
2,840		2,435	
OA BEING SUPPLIED		2840 CFM	
AIR BEING EXHAUSTED		-2435 CFM	
405 CFM BUILDING PRESSURIZATION			

### GRILLE, REGISTER, AND DIFFUSER SCHEDULE

MARK	MANUFACTURER	MODEL #	DESCRIPTION	CFM RANGE	NECK SIZE	INSTALLATION	FINISH	MATERIAL	REMARKS
CD-1	ANEMOSTAT	SSV432	MAXIMUM SECURITY CEILING DIFFUSER W/ SLOPED, BEVELED EDGES	0 - 150	8 x 8	FLANGED	WHITE	STAINLESS STEEL	1 - 6
CD-2	ANEMOSTAT	SSV432	MAXIMUM SECURITY CEILING DIFFUSER W/ SLOPED, BEVELED EDGES	160 - 280	12 x 12	FLANGED	WHITE	STAINLESS STEEL	1 - 6
CD-3	TITUS	TDC	24" x 24" LOUVERED FACE CEILING DIFFUSER W/ ROUND NECK	0 - 110	6"Ø	LAY-IN	WHITE	ALUMINUM	1 - 5
CD-4	TITUS	TDC	24" x 24" LOUVERED FACE CEILING DIFFUSER W/ ROUND NECK	110 - 220	8"Ø	LAY-IN	WHITE	ALUMINUM	1 - 5
SG-1	ANEMOSTAT	ASLG	EXTRA HEAVY DUTY BAR GRILLE W/ FIXED LOUVERS; 11.5" x 11.5" FACE PLATE	130 - 250	8 x 8	SIDEWALL	WHITE	STAINLESS STEEL	1 - 6
SG-2	ANEMOSTAT	ASLG	EXTRA HEAVY DUTY BAR GRILLE W/ FIXED LOUVERS; 15.5" x 15.5" FACE PLATE	300 - 450	12 x 12	DUCT MOUNTED	WHITE	STAINLESS STEEL	1 - 6
SG-3	ANEMOSTAT	ASLG	EXTRA HEAVY DUTY BAR GRILLE W/ FIXED LOUVERS; 17.5" x 17.5" FACE PLATE	450 - 600	14 x 14	SIDEWALL	WHITE	STAINLESS STEEL	1 - 6
EG-1	ANEMOSTAT	SV6	BEVELED EDGE MAXIMUM SECURITY GRILLE 8.4" x 7.4" ROUGH OPENING	0 - 110	6 x 6	SEE PLANS	WHITE	STAINLESS STEEL	1 - 6
EG-2	ANEMOSTAT	SV6	BEVELED EDGE MAXIMUM SECURITY GRILLE 10.4" x 9.4" ROUGH OPENING	120 - 200	8 x 8	SEE PLANS	WHITE	STAINLESS STEEL	1 - 6
EG-3	ANEMOSTAT	SV6	BEVELED EDGE MAXIMUM SECURITY GRILLE 12.4" x 11.4" ROUGH OPENING	200 - 300	10 x 10	SEE PLANS	WHITE	STAINLESS STEEL	1 - 6
RG-1	TITUS	50F	24" x 12" EGGCRATE RETURN GRILLE 1/2" x 1/2" x 1/2" GRID	0 - 800	22 x 10	LAY-IN	WHITE	ALUMINUM	1 - 5
RG-2	TITUS	50F	24" x 12" EGGCRATE RETURN GRILLE 1/2" x 1/2" x 1/2" GRID	800 - 1750	22 x 22	LAY-IN	WHITE	ALUMINUM	1 - 5
RG-3	ANEMOSTAT	SV6	BEVELED EDGE MAXIMUM SECURITY GRILLE 20.4" x 19.4" ROUGH OPENING	500 - 650	18 x 18	SIDEWALL	WHITE	STAINLESS STEEL	1 - 6
RG-4	ANEMOSTAT	SV6	BEVELED EDGE MAXIMUM SECURITY GRILLE 12.4" x 11.4" ROUGH OPENING	200 - 300	10 x 10	SEE PLANS	WHITE	STAINLESS STEEL	1 - 6
RG-5	ANEMOSTAT	HD35-MS	RETURN GRILLE W/ FIXED LOUVERS 40" DEFLECTION; 49.875" x 49.875" FACE PLATE	3000 - 4500	48 x 48	SIDEWALL	WHITE	STAINLESS STEEL	1 - 6

**NOTES:**

- PAINT PER ARCHITECT.
- NECK SIZE AS LISTED. SEE PLANS FOR DUCT RUNOUT SIZE.
- DAMPERS SHALL BE INSTALLED IN DUCTWORK FOR ALL DIFFUSERS/GRILLES UNLESS OTHERWISE INDICATED.
- INSTALL AIR DEVICES PER MANUFACTURER'S INSTRUCTIONS.
- AIR DEVICES SHALL BE MAXIMUM SECURITY RATED AND LIGATURE RESISTANT.

### EXHAUST FAN SCHEDULE

MARK	MANUFACTURER	MODEL #	TYPE	CFM	ESP	HP	VOLTS/Ø	BDD	DRIVE	WEIGHT (LBS)	REMARKS
EF-1	GREENHECK	G-120-VG	ROOF	1,330	0.5	1/2	115/1	YES	DIRECT	100	1 - 5
EF-2	GREENHECK	G-120-VG	ROOF	1,105	0.5	1/2	115/1	YES	DIRECT	100	1 - 5

**NOTES:**

- PROVIDE WITH GRAVITY BACKDRAFT DAMPER, BIRDSCREEN, ECM MOTOR, AND SPEED CONTROLLER.
- PROVIDE FACTORY DISCONNECT SWITCH.
- ROOF CURB TO BE FURNISHED BY MANUFACTURER; INSTALLED BY MECHANICAL CONTRACTOR.
- ROOF CURB SHALL HAVE HIGH WIND RATING OF NO LESS THAN 160 MPH PER FBC 2023.
- FAN SHALL BE INTERLOCKED WITH (E) AHU-16-1.

### ELECTRIC DUCT HEATER SCHEDULE

MARK	MANUFACTURER	MODEL #	TYPE	LENGTH	DEPTH	HEIGHT	VOLTS/Ø	NOTES
(E) EDH-16-1A	TUTCO	MR SERIES	SLIP-IN	-	-	-	480/3	1
(E) EDH-16-1B	TUTCO	MR SERIES	SLIP-IN	-	-	-	480/3	1
(E) EDH-16-1C	TUTCO	MR SERIES	SLIP-IN	-	-	-	480/3	1
(E) EDH-16-1D	TUTCO	MR SERIES	SLIP-IN	-	-	-	480/3	1

**NOTES:**

- EXISTING ELECTRIC DUCT HEATER SHALL REMAIN.

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MECHANICAL SCHEDULES - JIA

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	OS - JIA	06.20.24
	75% - JIA	07.26.24
	PERMIT/BID	08.20.24
	ADDENDUM #1	09.04.24

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ELECTRICAL ABBREVIATIONS LIST

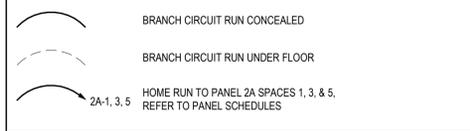
Table with 4 columns: Symbol, Description, Symbol, Description. Lists various electrical components like 1P, AC, ADO, AF, AFF, AFG, AFI, AHU, AL, ALT, AMP, AMPL, ANNUN, APPROX, AQ-STAT, ARCH, AS, AT, ATS, AUTO, AUX, AV, AWG, BATT, BD, BLDG, BMS, CAB, CAT, CATV, CB, CCTV, CKT, CLG, COMB, Cmpr, CONN, CONST, CONT, CONTR, CONV, CP, CRT, CT, CTR, CU, (D), DCP, DEPT, DET, DIA, DISC, DIST, DPR, DS, DT, DWG, (E), EC, ELEC, ELEV, ELU, EM, EMS, EMT, EP, EQUIP, EWC, EXIST, EXH, EXP, FA, FABP, FACP, FCU, FIXT, FLR, FLUOR, FU, FUDS, GA, GAL, GALV, GC, GEN, GFI, GPF, GND, GRS, GYP BD, HCA, HORIZ, HP, HPF, HT, HTG, HTR, HV, HVAC, IC, IMC, INCAND, IR, IW, J-BOX, KV, KVA, KVAR, KW, KWH, LOC, LT, LTG, LTNG, LV, MAX, MAG S, MC, MC

ELECTRICAL SYMBOL LEGEND

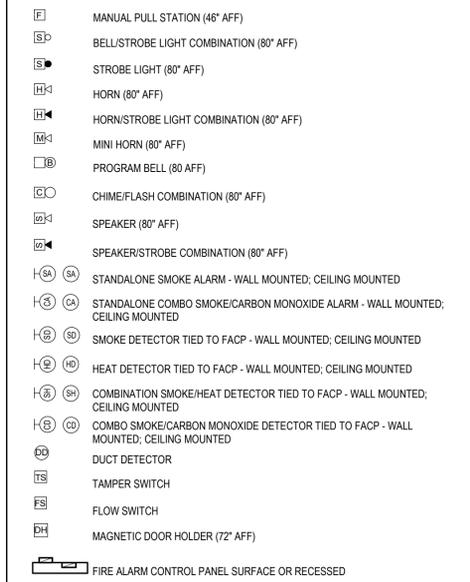
(MOUNTING HEIGHT TO CENTER LINE OF BOX, UNLESS NOTED OTHERWISE)

Table with 4 columns: SYMBOL, DESCRIPTION, SYMBOL, DESCRIPTION, SYMBOL, DESCRIPTION. Lists symbols for fixtures, receptacles, switches, lights, and other electrical components with their respective descriptions and mounting requirements.

CONDUIT AND WIRING



FIRE ALARM SYMBOLS



COORDINATION NOTES

A. FIRE ALARM DEVICES ARE SHOWN FOR REFERENCE ONLY. FULLY FUNCTIONAL FIRE ALARM SYSTEM TO INCLUDE FIRE CONTROL PANELS, DIALERS, EXPANDER MODULES, ANNUNCIATION AND NOTIFICATION DEVICES, WIRING, PROGRAMMING, TESTING, WARRANTY AND COMMISSIONING SHALL BE INCLUDED IN THIS PROJECT BID. THE GENERAL CONTRACTOR SHALL PROVIDE SIGNED AND SEALED SHOP DRAWINGS SHOWING ALL DEVICES, EQUIPMENT, CIRCUITS AND CALCULATIONS REQUIRED FOR PERMITTING. COORDINATE WITH AHJ IF SEPARATE PERMIT IS REQUIRED OR SUBMIT UNDER THIS POINT.

GENERAL PROJECT NOTES

- 1. THIS IS A COMPLETE LIST OF ELECTRICAL SYMBOLS AND ABBREVIATIONS FOR REFERENCE ONLY. SYMBOLS SHOWN ON THIS DRAWING MAY NOT APPEAR ON THE FOLLOWING DRAWINGS.
2. THE CONTRACTOR SHALL COORDINATE ALL REQUIRED SHUTDOWNS ON EXISTING UTILITIES WITH OWNER REPRESENTATIVES IN ORDER TO MINIMIZE IMPACT TO OTHER AREAS.
3. PERFORM ALL WORK IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, REGULATIONS, AND STANDARDS ADOPTED BY THE AUTHORITY HAVING JURISDICTION. IF CONFLICTS EXIST BETWEEN THESE ENGINEERING DOCUMENTS AND CODES, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.
4. ALL CONSTRUCTION WORK SHALL ALSO MEET THE FOLLOWING CODE REQUIREMENTS:
A. FLORIDA BUILDING CODE, BUILDING, 8TH EDITION (2023)
B. FLORIDA BUILDING CODE, ENERGY CONSERVATION, 8TH EDITION (2023)
C. FLORIDA FIRE PREVENTION CODE, 8TH EDITION (2023)
D. NFPA 101-2021, THE LIFE SAFETY CODE
E. NFPA 70-2020, NATIONAL ELECTRICAL CODE
F. NFPA 72-2019, NATIONAL FIRE ALARM CODE
5. THE ELECTRICAL DRAWINGS ARE SCHEMATIC IN NATURE. BEFORE STARTING THE WORK THE CONTRACTOR SHALL REVIEW ALL OTHER DISCIPLINE DRAWINGS AND VERIFY FIELD CONDITIONS AND SHALL MAKE ANY REQUIRED MINOR ADJUSTMENTS WITHOUT EXTRA COST TO THE OWNER. ANY MAJOR DISCREPANCIES FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER.
6. ALL WIRING SHALL BE IN CONDUIT. MINIMUM CONDUIT SIZE SHALL BE 3/4" MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG. ALL NEW CIRCUITS SHALL BE PROVIDED WITH AN INDIVIDUAL NEUTRAL AND GROUNDING CONDUCTOR WITH THE PHASE CONDUCTOR.
7. ALL CONDUITS INSTALLED INTERIOR SHALL BE EMT. ALL CONDUITS INSTALLED EXTERIOR UNDERGROUND SHALL BE PVC SCHEDULED 40. ALL CONDUITS INSTALLED EXTERIOR AND EXPOSED SHALL BE RGS.
8. CONDUCTORS #10 AND SMALLER SHALL BE SOLID COPPER. CONDUCTORS #8 AND LARGER SHALL BE STRANDED COPPER. UNLESS NOTED OTHERWISE, CONDUCTORS INSULATION SHALL BE DUAL RATED AT THHN/THWN.
9. ALL DEVICES, EQUIPMENT MATERIAL AND LABOR SHALL BE PROVIDED BY THE CONTRACTOR UNLESS NOTED OTHERWISE.
10. ALL ELECTRICAL EQUIPMENT AND DEVICES SHALL BE MOUNTED AS PER EQUIPMENT AND DEVICE MANUFACTURER RECOMMENDATIONS.
11. CONTRACTOR SHALL PROVIDE SUBMITTALS TO ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL OF ALL ELECTRICAL MATERIALS AND DEVICES DESCRIBED IN THE SUBMITTAL REGISTER. SUBMITTALS SHALL INCLUDE CUT SHEETS, DIMENSIONS, WIRING DIAGRAMS, ACCESSORIES, OPERATION MANUALS, AND ALL NECESSARY INFORMATION FOR REVIEWER TO MAKE A SOUND EVALUATION.
12. PROVIDE STARTUP OF ALL ELECTRICAL SYSTEMS AND COORDINATE WITH ARCHITECT/ENGINEER FOR OWNER STARTUP WITNESSING.
13. PROVIDED LAMINATED PLASTIC NAMEPLATES FOR EACH EQUIPMENT ENCLOSURE. EACH NAMEPLATE IDENTIFY EQUIPMENT FUNCTION, PANELBOARD CONNECTED AND CIRCUIT NUMBER. NAMEPLATE SHALL BE MELAMINE PLASTIC (0.125 INCHES THICK), WHITE LETTERS ON BLACK BACKGROUND. MINIMUM SIZE OF LETTERS SHALL BE 2.5 INCHES. IN ADDITION TO EQUIPMENT TAGGING, CONTRACTOR SHALL PROVIDE ARC-FLASH WARNING AND AVAILABLE FAULT CURRENT AT THE TIME OF INSTALLATION AND CALCULATION LABELS FOR PANELBOARDS, OTHER THAN DWELLING UNIT LOAD CENTERS, IN ACCORDANCE WITH NEC 110.
14. PROVIDE COMPUTER PRINTED ON WHITE WRAPAROUND PAPER WITH CLEAR PLASTIC PROTECTION TAIL FOR ALL WIRE MARKERS. MARKER SHALL STATE PANELBOARD NAME AND CIRCUIT NUMBER ON ALL WIRES IN JUNCTION/PULL BOXES AND IN EQUIPMENT TERMINAL BOXES.
15. PROVIDE PUNCHED TAPE LABELS ON ALL WIRING DEVICES FOR IDENTIFICATION. SHALL BE 1/2" BLACK TAPE WITH WHITE RAISED LETTERS. TAPE LABELS SHALL STATE PANELBOARD NAME AND CIRCUIT NUMBER.
16. PROVIDE DIRECTORIES ON ALL PANELBOARDS. ALL LOADS SHALL BE BALANCED TO WITHIN 10%.
17. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE SET OF RECORD DRAWINGS TO THE OWNER AT THE END OF THE CONSTRUCTION.
18. ALL MATERIALS AND EQUIPMENT TO BE INSTALLED SHALL BE NEW AND FREE OF DEFECTS. ALL ELECTRICAL EQUIPMENT SHALL COMPLY WITH NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA) STANDARDS AND SHALL BE UL LABELED. ALL ELECTRICAL EQUIPMENT AND MATERIALS SHALL BE INSTALLED IN A WORKMANLIKE MANNER.
19. ALL CONNECTORS AND SPLICES FOR CABLE SIZE #10 AWG AND SMALLER SHALL BE INSULATED. PRESSURE-TYPE FOR LARGER SIZE CONDUCTORS USE BOLTED CLAMPS WITH INSULATING TAPE.
20. PROVIDE INSULATION AND CONTINUITY TEST OF ALL 1000V AND LESS WIRES AND CABLES. USE TESTING PROCEDURES DESCRIBED IN INTERNATIONAL ELECTRICAL TESTING AGENCY (NETA) STANDARDS. REPLACE ANY CABLES WITH INSULATION RESISTANCE LESS THAN 100 MEGA OHMS (MOMHS). TEST ALL GROUND FAULT CIRCUIT INTERRUPTING (GFCI) RECEPTACLES. TEST ALL GROUNDING ELECTRODE SYSTEMS WITH FALL OF POTENTIAL METHOD. MAKE RESISTANCE MEASUREMENTS 48 HOURS AFTER LAST RAIN FALL. MAXIMUM RESISTANCE TO GROUND SHALL BE 5 OHMS.
21. PRIOR TO PASSING FINAL INSPECTION, A THIRD PARTY CONTRACTOR SHALL PROVIDE EVIDENCE THAT THE LIGHTING CONTROL SYSTEMS HAVE BEEN TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTRUCTIONS. FUNCTIONAL TESTING SHALL BE IN ACCORDANCE WITH FLORIDA BUILDING CODE - ENERGY CONSERVATION 8TH EDITION (2023) - SECTIONS C408.3.1.1 AND C408.3.1.2 FOR THE APPLICABLE CONTROL TYPE.
22. CONTRACTOR SHALL PROVIDE RECORD DOCUMENTS, DRAWINGS AND MANUALS TO OWNER WITHIN 30 DAYS AFTER SYSTEM ACCEPTANCE PER FLORIDA BUILDING CODE - ENERGY CONSERVATION 8TH EDITION (2023) - SECTIONS C405.5.4.
23. PANELBOARDS SHALL BE SUPPLIED WITH BOLT-ON CIRCUIT BREAKERS. ALL BUSBARS, PHASE, NEUTRAL, GROUND IN PANELBOARDS SHALL BE TIN-PLATED ALUMINUM.

ELECTRICAL SHEET LIST

Table with 2 columns: Sheet Number, Sheet Name. Lists sheets E-001 through E-501 including Electrical Legends & Abbreviations, Partial Floor Plans for Demolition and Lighting, and Electrical Details and Schedule.

THE LUNZ GROUP

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HCSO MENTAL HEALTH CLINIC

2310 N. FALKENBURG ROAD TAMPA, FLORIDA 33619

ELECTRICAL LEGENDS & ABBREVIATIONS

Table with 3 columns: #, ISSUED FOR, DATE. Lists revision history for the sheet.

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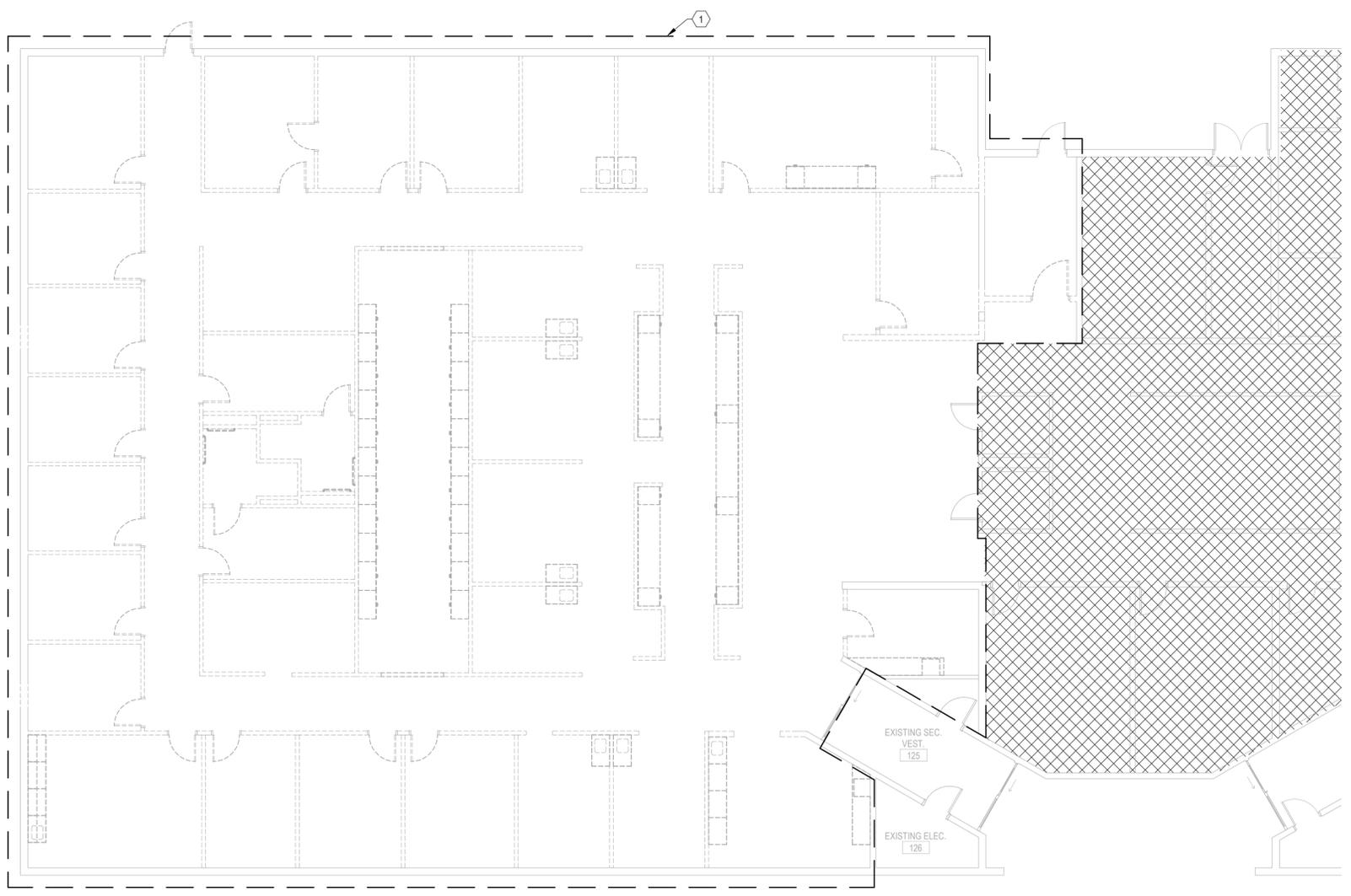
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24001.01

E-001

- GENERAL NOTES**
- A EXISTING CONDITIONS BASED ON RECORD DOCUMENTS AND FIELD OBSERVATION. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND REPORT DISCREPANCIES TO ENGINEER PRIOR TO DISURBING EXISTING INSTALLATION.
  - B NO WORK REQUIRED WITHIN HATCHED AREAS. ALL POWER AND SPECIAL SYSTEM DEVICES, CIRCUITING AND ASSOCIATED WIRING SHALL BE EXISTING TO REMAIN.
  - C IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE EXISTING CONDITIONS AND LAYOUTS ARE ACCURATE. EXISTING CONDITIONS ARE BASED ON FIELD OBSERVATIONS. THE CONTRACTOR SHALL CONTACT ENGINEER OF RECORD WITH ANY DISCEPANCIES PRIOR TO DISTURBING EXISTING INSTALLATION.
  - D CONTRACTOR SHALL RETAIN BREAKERS MADE SPARE BY DEMOLITION FOR CONNECTION OF NEW WORK UNLESS OTHERWISE NOTED.
  - E ELECTRICAL EQUIPMENT AND FIXTURES INDICATED TO BE REMOVED SHALL BE TURNED OVER TO OWNER FOR FIRST RIGHT OF REFUSAL.
  - F REMOVE ALL ELECTRICAL EQUIPMENT, DEVICES, AND CIRCUITING TO NEAREST POINT OF CONNECTION IN DEMOLITION AREAS UNLESS NOTED OTHERWISE. MAINTAIN EXISTING BREAKERS AND LABEL AS SPARE IN PANELBOARD INDEX.
  - G PROVIDE JUNCTION BOXES, CONDUIT, WIRED CABLE ETC AS REQUIRED TO MAINTAIN CONTINUITY TO EXISTING TO REMAIN POWER DEVICES, EQUIPMENT, ETC.
  - H CONTRACTOR SHALL TEST ALL CIRCUITS, GROUNDS, ETC. FOR CONTINUITY FOR ALL EQUIPMENT, DEVICES FIXTURES, ETC. SHOWN. PROVIDE CIRCUIT EXTENSIONS, CONDUIT, WIRE, ETC. AS REQUIRED FOR COMPLETE SYSTEM CONTINUITY
  - I ALL ABANDONED OR UNUSED, WIRE, CABLING, CONDUIT, ETC SHALL BE REMOVED TO ORIGIN.

- KEY NOTES**
- 1. ALL METAL HALIDE LIGHTING, LIGHTING CONTROLS AND SYSTEMS TO BE DEMOLISHED IN THIS AREA. EXISTING LIGHTING SHALL BE REMOVED AND UPGRADED TO LEDS. PER AS-BUILTS CIRCUITS 8, 10, 12, 14 FOUND ON EXISTING HGA SERVES THIS AREA.



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PARTIAL FLOOR PLAN - LIGHTING DEMOLITION - PHASE 1

#	ISSUED FOR	DATE
	05 - JA	06-20-24
	75% - JA	07-26-24
	PERMIT/BID	08-20-24
	ADDENDUM #1	09-03-24

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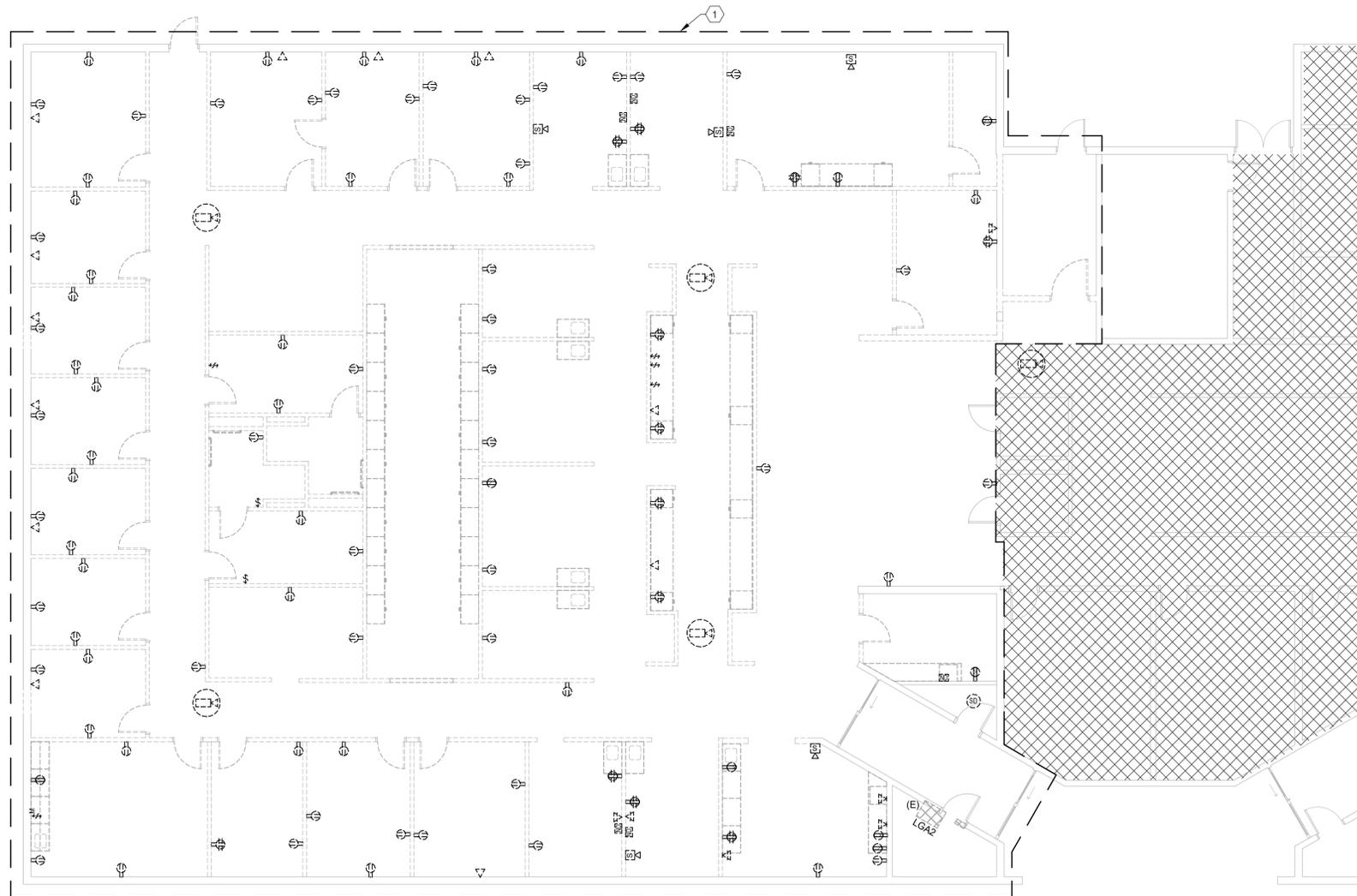
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**1** PARTIAL FLOOR PLAN - ELECTRICAL DEMOLITION - PHASE 1  
 1/8" = 1'-0"

24001.01

ED-101



- GENERAL NOTES**
- A EXISTING CONDITIONS BASED ON RECORD DOCUMENTS AND FIELD OBSERVATION. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND REPORT DISCREPANCIES TO ENGINEER PRIOR TO DISTURBING EXISTING INSTALLATION.
  - B NO WORK REQUIRED WITHIN HATCHED AREAS. ALL POWER AND SPECIAL SYSTEM DEVICES, CIRCUITING AND ASSOCIATED WIRING SHALL BE EXISTING TO REMAIN.
  - C IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE EXISTING CONDITIONS AND LAYOUTS ARE ACCURATE. EXISTING CONDITIONS ARE BASED ON FIELD OBSERVATIONS. THE CONTRACTOR SHALL CONTACT ENGINEER OF RECORD WITH ANY DISCREPANCIES PRIOR TO DISTURBING EXISTING INSTALLATION.
  - D CONTRACTOR SHALL RETAIN BREAKERS MADE SPARE BY DEMOLITION FOR CONNECTION OF NEW WORK UNLESS OTHERWISE NOTED.
  - E ELECTRICAL EQUIPMENT AND FIXTURES INDICATED TO BE REMOVED SHALL BE TURNED OVER TO OWNER FOR FIRST RIGHT OF REFUSAL.
  - F REMOVE ALL ELECTRICAL EQUIPMENT, DEVICES, AND CIRCUITING TO NEAREST POINT OF CONNECTION IN DEMOLITION AREAS UNLESS NOTED OTHERWISE. MAINTAIN EXISTING BREAKERS AND LABEL AS SPARE IN PANELBOARD INDEX.
  - G PROVIDE JUNCTION BOXES, CONDUIT, WIRED CABLE ETC AS REQUIRED TO MAINTAIN CONTINUITY TO EXISTING TO REMAIN POWER DEVICES, EQUIPMENT, ETC.
  - H CONTRACTOR SHALL TEST ALL CIRCUITS, GROUNDS, ETC. FOR CONTINUITY FOR ALL EQUIPMENT, DEVICES FIXTURES, ETC. SHOWN. PROVIDE CIRCUIT EXTENSIONS, CONDUIT, WIRE, ETC. AS REQUIRED FOR COMPLETE SYSTEM CONTINUITY.
  - I ALL ABANDONED OR UNUSED, WIRE, CABLING, CONDUIT, ETC SHALL BE REMOVED TO ORIGIN.

- KEY NOTES**
- 1. THE EXISTING MEDICAL OFFICES, EXAM ROOMS, EQUIPMENT, DEVICES ARE TO BE REMOVED WITHIN THIS AREA AND TO BE DOWNSIZED/CONVERTED TO ISOLATED CELLS/OFFICES. POWER CONSUMPTION WILL BE SUSTAINABLY REDUCED. THE INTENT IS TO REUSE EXISTING SPARE BREAKERS MADE DURING DEMOLITION FOR NEW WORK.

**HCSO MENTAL HEALTH CLINIC**

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#	ISSUED FOR	DATE
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	75% - JA	07-26-24
	PERMITTING	08-20-24
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**1** PARTIAL FLOOR PLAN - ELECTRICAL DEMOLITION - PHASE 1  
1/8" = 1'-0"

24001.01

**ED-102**

PARTIAL FLOOR PLAN - ELECTRICAL DEMOLITION - PHASE 1

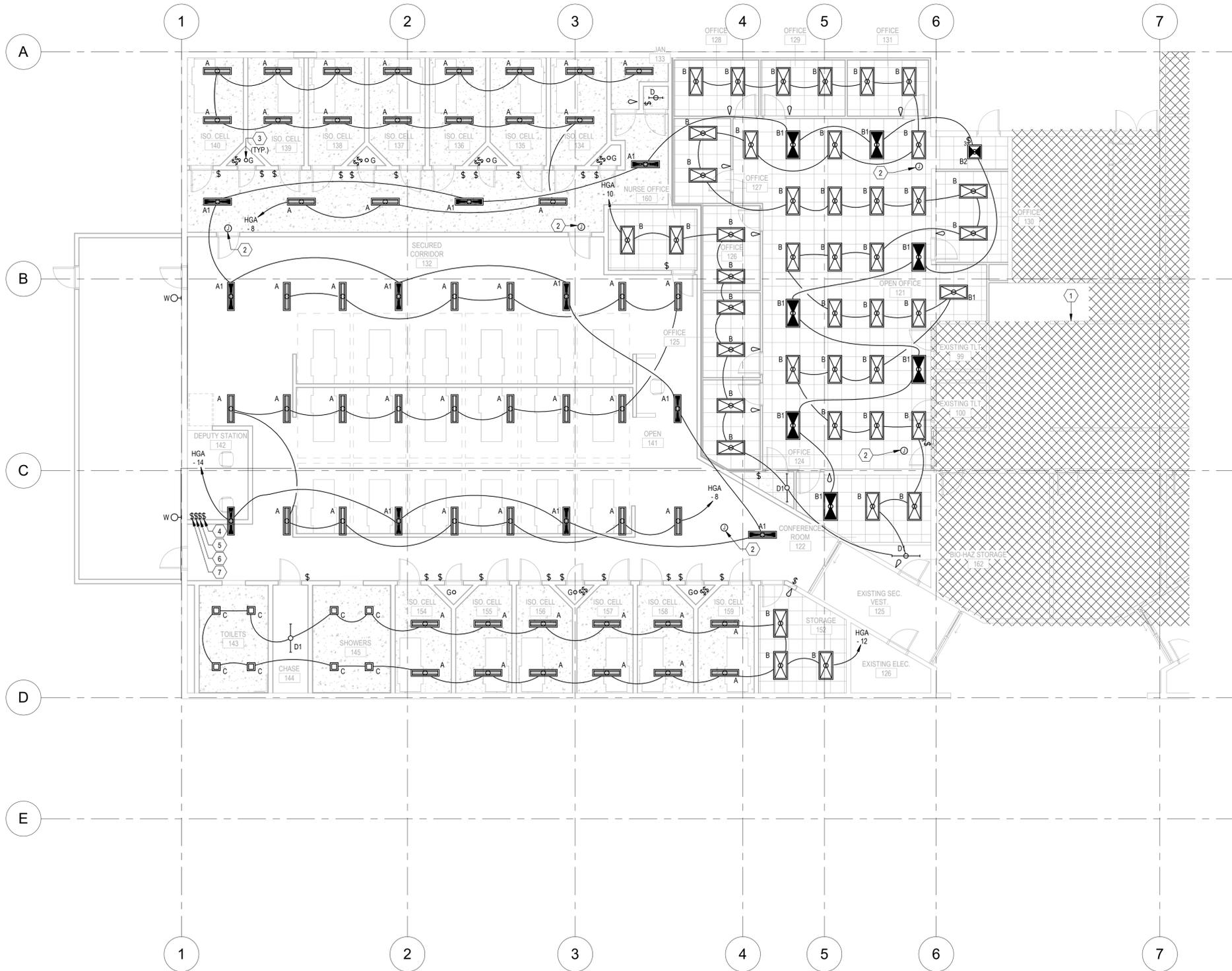
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**LIGHTING CONTROL NOTES**

- A. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFICATION OF ALL RATED WALLS, CEILINGS, SLABS, AND THEIR SPECIFIED RATING ON THE ARCHITECTURAL DRAWINGS. ALL DEVICES AND MATERIALS SHALL MEET THE UL RATING OF THE RATED WALLS, CEILINGS AND SLABS ASSEMBLY. CONTRACTOR SHALL PROVIDE AN ASSEMBLY, INSTALLED IN ACCORDANCE WITH UL WHERE NECESSARY.
- B. CONTRACTOR SHALL COORDINATE ANY WALL MOUNTED LIGHT FIXTURE WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.
- C. ALL OCCUPANCY SENSOR CONTROLLED LOADS SHALL TURN OFF WITHIN 20 MINUTES OF THE OCCUPANT LEAVING THE ROOM.
- D. WHERE MULTIPLE SWITCHES ARE SHOWN AT THE SAME LOCATION, THEY SHALL BE GANGED TOGETHER WITH A COMMON GANG PLATE.
- E. ALL EXIT LIGHTS AND EMERGENCY BATTERY PACKS SHALL BE CONNECTED TO UNSWITCHED LEG OF THE LOCAL LIGHTING BRANCH CIRCUIT.
- F. ALL LIGHTING CONTROLS SHALL BE IN ACCORDANCE WITH 2023 FLORIDA BUILDING CODE, ENERGY CONSERVATION.
- G. PROVIDE DUAL TECH OCCUPANCY/VACANCY SENSORS IN ALL OFFICES, CORRIDORS, OPEN OFFICES, LOUNGES/BREAKROOMS, RESTROOMS, STORAGE ROOMS, AND ALL OTHER SPACES 300 SQUARE FEET OR LESS ENCLOSED BY FLOOR TO CEILING HEIGHT PARTITIONS. THIS EXCLUDES MECHANICAL ROOMS, ELECTRICAL ROOMS, TELECOMMUNICATION SPACES, AND OTHER AREA WHERE THE AUTOMATIC SHUT OFF OF LIGHTS WILL CAUSE A DANGER TO LIFE SAFETY.
- H. WHERE VACANCY SENSORS ARE REQUIRED, LIGHTS SHALL BE MANUAL ON, AUTOMATIC OFF. LIGHTS SHALL TURN OFF AUTOMATICALLY WITHIN 20 MINUTES OF THE SPACE BECOMING VACANT.
- I. WHERE OCCUPANCY SENSORS ARE REQUIRED, LIGHTS SHALL TURN ON TO FULL AUTOMATICALLY, TURN OFF AUTOMATICALLY WITHIN 20 MINUTES OF THE SPACE BECOMING UNOCCUPIED, AND SHALL HAVE A SWITCH FOR MANUAL OVERRIDE.
- J. CONTRACTOR SHALL PROVIDE QUANTITY OF SENSORS REQUIRED WITH PROPER COVERAGE PATTERN TO ACHIEVE REQUIRED LIGHTING CONTROL WITHIN THE SPACE.
- K. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FROM THE CONTROLS MANUFACTURER'S REPRESENTATIVE SHOWING LAYOUT, QUANTITY, COVERAGE PATTERNS, AND WIRING DIAGRAM OF COMPLETE SYSTEM.
- L. FOR CLARITY, ONLY VACANCY (VS) OR OCCUPANCY (OC) ARE SHOWN IN SPACES REQUIRING THAT MODE OF CONTROL.
- M. PROVIDE LOW VOLTAGE OVERRIDE DIMMING SWITCHES IN ALL SPACES REQUIRING VACANCY/OCCUPANCY SENSORS WITH CONTROL FUNCTION AS OUTLINED.
- N. PROVIDE ROOM CONTROLLERS AS REQUIRED TO INTERFACE ALL LIGHTS, SWITCHES, SENSORS, ETC. IN ALL SPACES SHOWN TO RECEIVE AUTOMATIC LIGHTING CONTROLS.
- O. EXTERIOR LIGHTING SHALL BE CONTROLLED BY PHOTOCELL ON/TIME CLOCK OFF. PROVIDE TIME CLOCK FOR CONTROLS. COORDINATE TIME OF DAY SCHEDULING WITH STATION REPRESENTATIVE.
- P. LIGHTING CONTROL SYSTEM SHALL BE A STAND ALONE NON-NETWORKED SYSTEM AS MANUFACTURED BY ACUITY. ALTERNATE APPROVED MANUFACTURERS ARE GREENGATE, WATTSTOPPER, AND HUBBELL.
- Q. ALL AREAS WHERE INMATES ARE NORMALLY OCCUPIED, THESE AREAS ARE NOT REQUIRED TO HAVE ADDITIONAL AUTOMATIC LIGHTING CONTROL DUE TO ENDANGERMENT OF OCCUPANTS FOR THESE AREAS SHALL BE MANUAL ON AND MANUAL OFF AND LOCATED AT A SUPERVISED CENTRAL LOCATION IDENTIFIED BY THE OWNER. PROVIDE LOCK COVER AND KEYS AS REQUIRED BY OWNER.
- R. THE DESIGN INTENT IS TO REUSE EXISTING LIGHTING CIRCUITS MADE SPARE DURING DEMOLITION. CONTRACTOR SHALL UTILIZE THE CLOSEST SPARE BREAKER PREVIOUSLY SERVICING DEMOLISHED LIGHTING FIXTURES.

**KEYNOTES**

- 1. HATCHED AREA NOT IN SCOPE.
- 2. PROVIDE RECESSED JUNCTION BOX AND CONDUIT WITH PULL STRINGS BACK TO ELECTRICAL ROOM FOR FUTURE EXIT SIGNAGE.
- 3. MOUNT FIXTURE ON CEILING, COORDINATE MOUNTING WITH PLUMBING PIPING.
- 4. SWITCH FOR SHOWERS COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.
- 5. SWITCH FOR TOILETS COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.
- 6. OVERRIDE SWITCH FOR OPEN ROOM 141 LIGHTING COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.
- 7. OVERRIDE SWITCH FOR SHOWER AND TOILET CHASE COORDINATE EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.



**1 PARTIAL FLOOR PLAN - LIGHTING - PHASE 1**  
1/8" = 1'-0"

#	ISSUED FOR	DATE
	05 - JIA	06.20.24
	75% - JIA	07.26.24
	PERMIT/BID	08.20.24
	ADDENDUM #1	09.03.24

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**GENERAL NOTES**

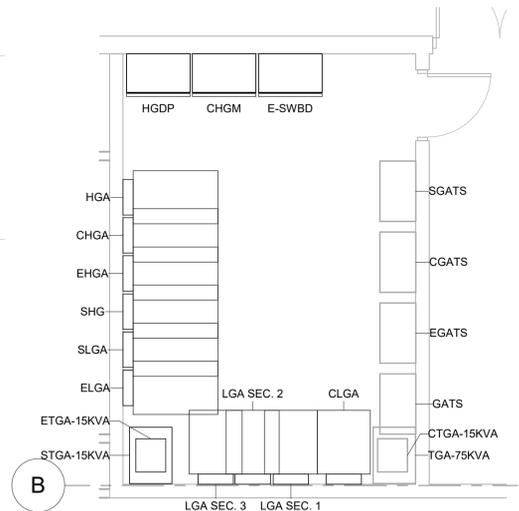
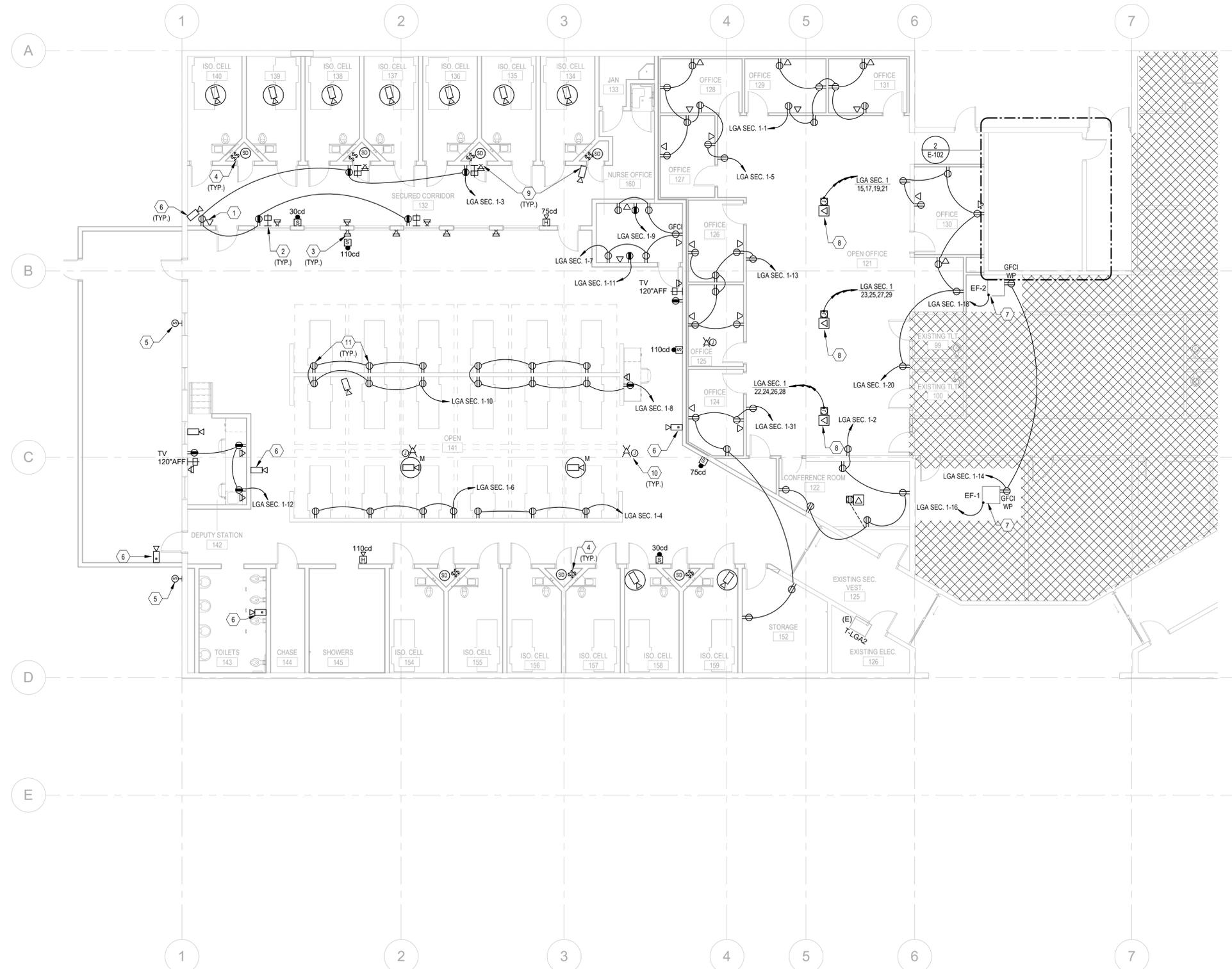
A. CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFICATION OF ALL RATED WALLS, CEILINGS, SLABS, AND THEIR SPECIFIED RATING ON THE ARCHITECTURAL DRAWINGS. ALL DEVICES AND MATERIALS SHALL MEET THE UL RATING OF THE RATED WALLS, CEILINGS AND SLABS ASSEMBLY. CONTRACTOR SHALL PROVIDE AN ASSEMBLY, INSTALLED IN ACCORDANCE WITH UL WHERE NECESSARY.

B. CONTRACTOR SHALL VERIFY POWER AND CONNECTION REQUIREMENTS FOR ALL CATERING EQUIPMENT PRIOR TO INSTALLATION. VERIFY ALL DEVICE LOCATION AND MOUNTING HEIGHT. MAKE ADJUSTMENT IN FIELD TO MATCH ACTUAL EQUIPMENT BEING INSTALLED.

C. ALL SECURITY, DATA, COMMUNICATIONS, TV OUTLETS AND EQUIPMENT INSTALLATION AND LOCATIONS SHALL BE COORDINATED WITH HCSO IT DEPARTMENT PRIOR TO ROUGH-IN. PROVIDE BACKBOXES AND CONDUIT STUB-UPS WITH FULL STRINGS TO ACCESSIBLE CEILING.

**KEYNOTES**

1. MOUNT VIDEO CALL BOX POWER AND DATA OUTLETS AT 18" AFF.
2. MOUNT TV OUTLETS ABOVE DOORS AND WINDOWS.
3. MOUNT TELEPHONE OUTLET AT 56" AFF.
4. ISOLATION CELL CAMERA OVERRIDE SWITCHES.
5. WALL MOUNTED SPEAKER.
6. WALL MOUNT SECURITY CAMERA.
7. EXHAUST FAN IS PROVIDED WITH FACTORY DISCONNECT SWITCH. COORDINATE EXACT LOCATION OF EF AND ADEQUATE LENGTH OF FEED PRIOR TO CONNECTION.
8. PROVIDE JUNCTION BOX FOR MODULAR FURNITURE POWER AND DATA WHIP. WIRING SCHEME FOR FURNITURE TO BE (4) CIRCUIT, 2+2 CONFIGURATION. COORDINATE REQUIREMENTS WITH VENDOR.
9. CONTRACTOR SHALL PROVIDE AND INSTALL 0-3/4" CONDUIT FOR ALL DATA DEVICES AND SECURITY CAMERAS. EACH DATA JACK SHALL HAVE TWO PORTS. COORDINATE WITH ISD (SHERIFF'S INTERNET IT GROUP) FOR EXACT LOCATION OF DEVICES AND TERMINATION LOCATION.
10. CONTRACTOR SHALL INSTALL 0-3/4" CONDUIT AND JUNCTION BOX FOR WIRELESS ACCESS POINTS BACK TO COMM. ROOM. VERIFY EXACT LOCATION AND QUANTITY WITH ISD.
11. OUTLETS FOR PRISONER C-PAP MACHINES.



**1 PARTIAL FLOOR PLAN - POWER - PHASE 1**  
 1/8" = 1'-0"

**2 ENLARGED ELECTRICAL ROOM**  
 1/4" = 1'-0"

**HCSO MENTAL HEALTH CLINIC**

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**PARTIAL FLOOR PLAN - POWER - PHASE 1**

#	ISSUED FOR	DATE
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	75% - JIA	07-26-24
	PERMIT/BID	08-20-24
	ADDENDUM #1	09-03-24

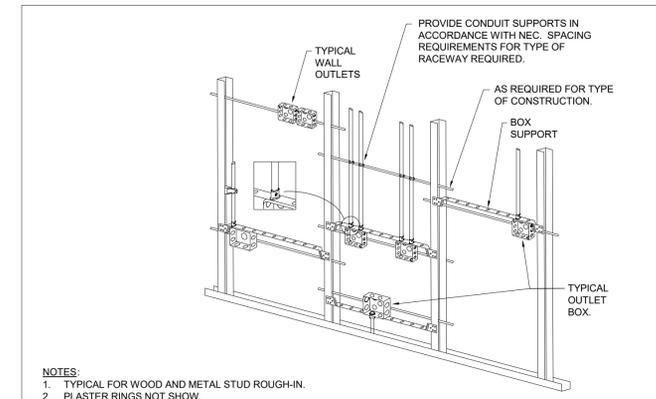
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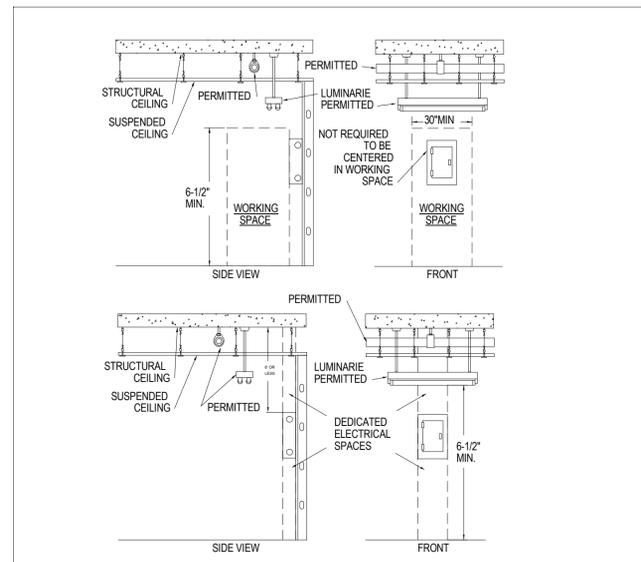
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- NOTES:**
1. TYPICAL FOR WOOD AND METAL STUD ROUGH-IN.
  2. PLASTER RINGS NOT SHOW.
  3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS, AND WITH ALL APPLICABLE SHOP DRAWINGS.
  4. IN ACCORDANCE WITH UBC 4304 OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACE MUST BE SEPARATED BY A MIN. OF 24" HORIZONTAL DISTANCE.
  5. TOENAILING OF OUTLET BOXES DIRECTLY TO THE STUDS WILL NOT BE ACCEPTED.
  6. OUTLETS SHOWN TOGETHER ON PLAN SHALL BE INSTALLED TOGETHER.

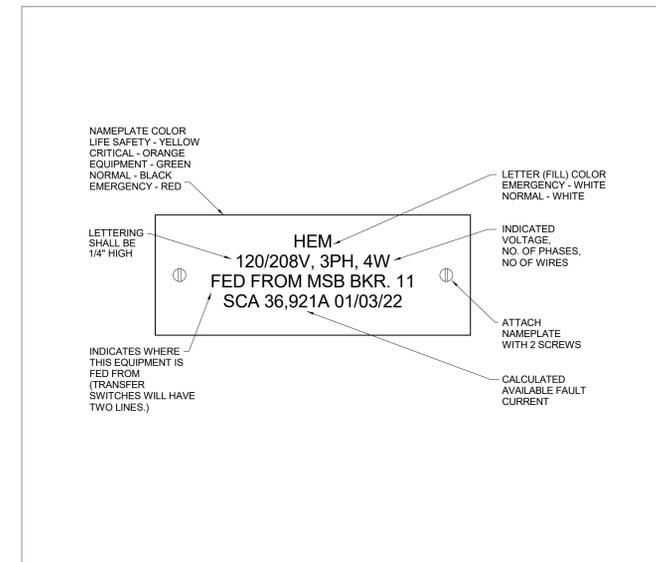
**(A) TYPICAL ROUGH-IN**

NTS



**(D) DEDICATED AND WORKING ELECTRICAL SPACES**

NTS



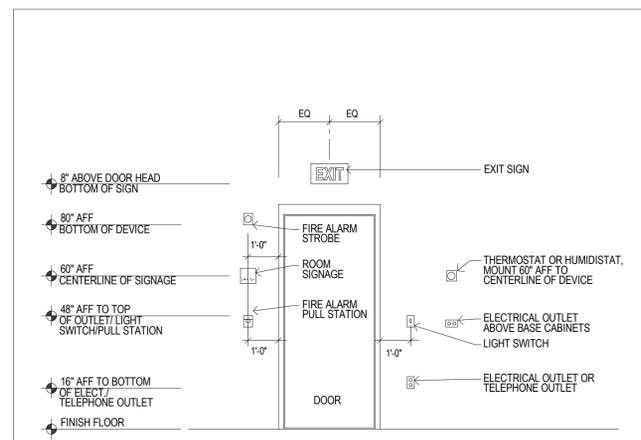
**(B) ELECTRICAL EQUIPMENT NAMEPLATE**

NTS

LIGHTING FIXTURE SCHEDULE								
TYPE	MANUFACTURER	CATALOG NUMBER	DESCRIPTION	TEMP	VOLTS	MOUNTING	BALLAST/ TRANSFORMER	INPUT WATTS
A	LUMINAIRE LED	VPF8 4FT MIN10 50W 40K MVOLT OP WHT	4' LIGATURE AND VANDAL RESISTANT, OPAL LENS, DIMMABLE	80CRI/4000K	UNV	SURFACE	0-10V/10%	50
A1	LUMINAIRE LED	VPF8 4FT MIN10 100W 40K MVOLT OP WHT	4' LIGATURE AND VANDAL RESISTANT, OPAL LENS, DIMMABLE	80CRI/4000K	UNV	SUSPEND 17'-0" AFF	0-10V/10%	100
B	LITHONIA	2BLT4 40L ADSM GZ10 LP840	2X4 TROFFER, SMOOTH REFLECTOR AND DIFFUSER, DIMMABLE	80CRI/4000K	UNV	RECESSED	0-10V/10%	30
B1	LITHONIA	2BLT4 30L ADSM GZ10 LP840 DGA	2X4 TROFFER, SMOOTH REFLECTOR AND DIFFUSER, DIMMABLE, DRYWALL ADAPTERS	80CRI/4000K	UNV	RECESSED	0-10V/10%	22
B2	LITHONIA	2BLT2 20L ADSM GZ10 LP840	2X2 TROFFER, SMOOTH REFLECTOR AND DIFFUSER, DIMMABLE	80CRI/4000K	UNV	RECESSED	0-10V/10%	16
C	LUMINAIRE LED	RMQ Q11 H16CRSP D14CRSP MIN10 25W 40K MVOLT ALS SES WHT WL	13.5" X 13.5" RECESSED CONFINEMENT FIXTURE, LIGATURE RESISTANT, PRISMATIC ACRYLIC LENS, WHITE FINISH, WET LOCATION	80CRI/4000K	UNV	RECESSED	0-10V/10%	25
D	LITHONIA	ZL1 L24 SMR 1500LM FST MVOLT 40K 80CRI WH	2' STRIP, 1500 LUMENS, CURVED LENS, WHITE FINISH, DAMP LOCATION	80CRI/4000K	UNV	SURFACE	0-10V/10%	17
D1	LITHONIA	ZL1 L48 SMR 3000LM FST MVOLT 40K 80CRI WH	4' STRIP, 3000 LUMENS, CURVED LENS, WHITE FINISH, DAMP LOCATION	80CRI/4000K	UNV	SURFACE	0-10V/10%	30
G	JUNO	JSBT 6IN 30K 90CRI WL MW M6	6" DOWNLIGHT 2700K COLOR TEMPERATURE LOW PROFILE	3000K	120V	SURFACE	0-10V/10%	14.4
W	LITHONIA	DSXF3 6 P3 50K 70CRI WFL MVOLT YK62 DBLXD	FLOOD LIGHT, ADJUSTABLE HEAD, 24,000 LUMENS, WET LOCATION	70CRI/5000K	UNV	WALL	NO DIM	165
X	BEGHELLI	CRV-SA-LR-FACE-C-AL	EXIT SIGN, EDGE LIT, LED, RED LETTERS, SELF POWERED	LED	UNV	SURFACE	NO DIM	4

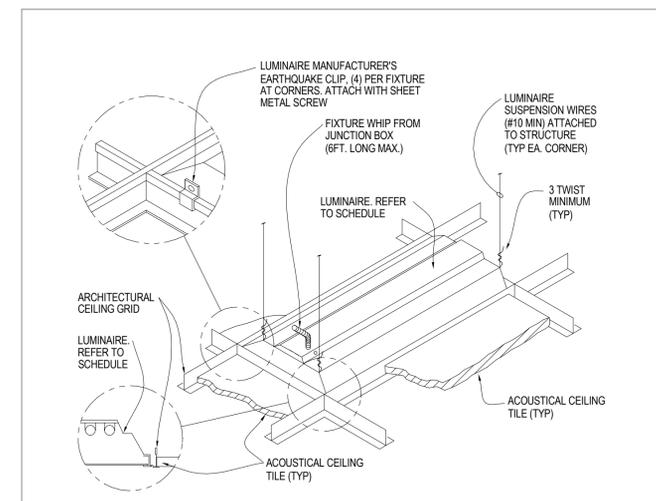
**LIGHTING SCHEDULE NOTES:**

1. ALL LAMPS SHALL BE 80+ CRI AND 4000K UNLESS NOTED OTHERWISE.
2. OTHER FIXTURES MAY BE SUBMITTED FOR APPROVAL UP TO 10 WORKING DAYS PRIOR TO BID DATE, TO ALLOW FOR PROPER EVALUATION. SUBMISSIONS WITHIN 10 WORKING DAYS PRIOR TO BID DATE WILL NOT BE EVALUATED. EQUIPMENT IS APPROVED THROUGH ADDENDUM ONLY.



**(E) TYPICAL DEVICE PLACEMENT**

NTS



**(C) TYPICAL ROUGH-IN**

NTS

**HCSO MENTAL HEALTH CLINIC**

2310 N. FALKENBURG ROAD  
 TAMPA, FLORIDA 33619

**ELECTRICAL DETAILS AND SCHEDULE**

#	ISSUED FOR	DATE
	05 - JIA	06-26-24
	75% - JIA	07-26-24
	PERMIT/BID	08-20-24
	ADDENDUM #1	09-03-24

DRAWN BY: SLJB  
 REVIEW BY: DK

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24001.01

**GENERAL NOTES**

- A. EXISTING CONDITIONS ARE BASED ON RECORD DOCUMENTS AND FIELD OBSERVATIONS. NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN THESE DRAWINGS AND EXISTING CONDITIONS PRIOR TO DISTURBING EXISTING INSTALLATION.
- B. RISER DIAGRAM SHOWN FOR REFERENCE ONLY. ALL EQUIPMENT AND DEVICES ARE EXISTING TO REMAIN.

**ESTIMATED DEMAND LOAD SUMMARY**

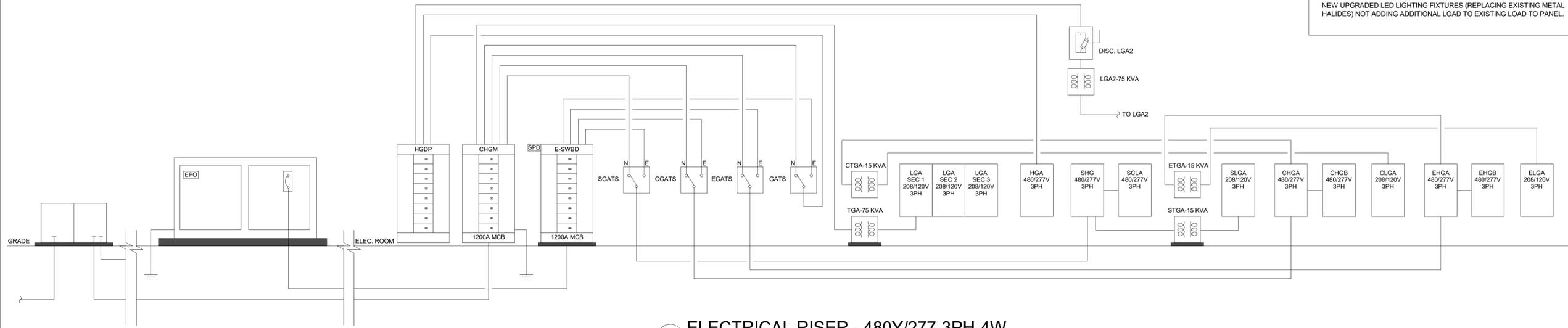
RENOVATION SQUARE FOOTAGE = 9.8K SQ/FT  
 EXISTING DEMAND LOAD LGA = 56 KVA

PROTECTED BY 225A MAIN CIRCUIT BREAKER FED FROM 75 KVA TRANSFORMER

EXISTING DEMAND REMOVED: 19.6 KVA  
 NEW DEMAND ADDED: 25.8 KVA  
 NEW TOTAL DEMAND LOAD:  
 (56 KVA \* 1.25) - 19.6 KVA + 25.8 KVA = 77.2 KVA @ 208V-3PH = 214 A  
 214 A < 225 A

PANEL LGA IS ADEQUATE TO HANDLE NEW LOAD.

NO NEW LOAD ADDED TO HGA.  
 NEW UPGRADED LED LIGHTING FIXTURES (REPLACING EXISTING METAL HALIDES) NOT ADDING ADDITIONAL LOAD TO EXISTING LOAD TO PANEL.



**1 ELECTRICAL RISER - 480Y/277-3PH-4W**  
 FOR REFERENCE ONLY SCALE: NOT TO SCALE

Branch Panel: LGA SEC. 1										EXISTING									
Location: Space 5					Volts: 208Y/120					A.I.C. Rating: EXISTING									
Supply From: SURFACE					Phases: 3					Mains Type: MCB									
Mounting: SURFACE					Wires: 4					Mains Rating: 225 A									
Enclosure: NEMA 1					Ground Bus:					Bus Rating: 225 A					GFP:				
<b>Notes:</b> 12-2: 12 AWG WIRE																			
CCT	Circuit Description	Rating	Poles	Options	Wire and Conduit...	A	B	C	A	B	C	Wire and Conduit...	Options	Poles	Rating	Circuit Description	CCT		
1	R-OFFICE 129, 131, 121	20 A	1		12-2	1260 VA			900 VA			12-2	1	20 A		R-OFFICE 122, 121	2		
3	R-SECURED CORRIDOR...	20 A	1		12-2		900 VA			540 VA		12-2	1	20 A		R-OPEN 141	4		
5	R-OFFICE 128, 127, 121	20 A	1		12-2		1260 VA			720 VA		12-2	1	20 A		R-OPEN 141	6		
7	R-NURSE OFFICE 160	20 A	1		12-2	20180...	500 VA		1260 VA	1080 VA		12-2	1	20 A		R-OPEN 141	8		
9	R-NURSE OFF. 160...	20 A	1		12-2		500 VA					12-2	1	20 A		R-OPEN 141	10		
11	R-NURSE OFFICE 160	20 A	1		12-2		500 VA			540 VA		12-2	1	20 A		R-DEPUTY STATION 142	12		
13	R-OFFICE 126, 125, 121	20 A	1		12-2	1260 VA		500 VA	360 VA	528 VA		12-2	1	20 A		R-ROOF REC.	14		
15	R-OPEN OFFICE 121....	20 A	1	HT	12-2		500 VA			528 VA		12-2	1	20 A		EF-1	16		
17	R-OPEN OFFICE 121....	20 A	1	HT	12-2		500 VA		500 VA	528 VA		12-2	1	20 A		EF-2	18		
19	R-OPEN OFFICE 121....	20 A	1	HT/IG	12-2	500 VA		1260 VA		528 VA		12-2	1	20 A		R-OFFICE 130, 121	20		
21	R-OPEN OFFICE 121....	20 A	1	HT/IG	12-2		500 VA		500 VA	500 VA		12-2	HT	1	20 A	R-OPEN OFFICE 121....	22		
23	R-OPEN OFFICE 121....	20 A	1	HT	12-2		500 VA		500 VA	500 VA		12-2	HT	1	20 A	R-OPEN OFFICE 121....	24		
25	R-OPEN OFFICE 121....	20 A	1	HT	12-2	500 VA		500 VA		500 VA		12-2	HT/IG	1	20 A	R-OPEN OFFICE 121....	26		
27	R-OPEN OFFICE 121....	20 A	1	HT/IG	12-2		500 VA		500 VA	500 VA		12-2	HT/IG	1	20 A	R-OPEN OFFICE 121....	28		
29	R-OPEN OFFICE 121....	20 A	1	HT/IG	12-2		500 VA		500 VA	0 VA		12-2	HT/IG	1	20 A	SPARE	30		
31	R-OFFICE 124, 121, 122	20 A	1		12-2	1080 VA			0 VA			12-2	1	20 A		SPARE	32		
33	SPARE	20 A	1				0 VA		0 VA	0 VA			1	20 A		SPARE	34		
35	SPARE	20 A	1				0 VA		0 VA	0 VA			1	20 A		SPARE	36		
37	SPARE	20 A	1				0 VA		0 VA	0 VA			1	20 A		SPARE	38		
39	SPARE	20 A	1				0 VA		0 VA	0 VA			1	20 A		SPARE	40		
41	SPARE	20 A	1				0 VA		0 VA	0 VA			1	20 A		SPARE	42		
						29060 VA	6048 VA	5548 VA											
						242.8 A	51.0 A	46.2 A											
Load Classification		Connected Load	Demand Factor	Estimated Demand	Panel Totals														
Motor		1056 VA	112.50%	1188 VA															
R		39600 VA	62.63%	24800 VA															
				<b>Total Conn. Load:</b> 40656 VA															
				<b>Total Est. Demand:</b> 25988 VA															
				<b>Total Conn.:</b> 112.8 A															
				<b>Total Est. Demand:</b> 72.1 A															
<b>Notes:</b> Motor = LARGEST MOTOR MN = MOTOR (NON-SEASONAL) L = LIGHTING (CONTINUOUS) R = RECEPTACLE C = CONTINUOUS IG = ISOLATED GROUND CIRCUIT HT = HAND TIE CIRCUIT BREAKERS																			

Branch Panel: HGA										EXISTING									
Location: Space 5					Volts: 480Y/277					A.I.C. Rating: EXISTING									
Supply From: SURFACE					Phases: 3					Mains Type: MLO									
Mounting: SURFACE					Wires: 4					Mains Rating: 400 A									
Enclosure: NEMA1					Ground Bus:					Bus Rating: 400 A					GFP:				
<b>Notes:</b> 12-2: 12 AWG WIRE																			
CCT	Circuit Description	Rating	Poles	Options	Wire and Conduit...	A	B	C	A	B	C	Wire and Conduit...	Options	Poles	Rating	Circuit Description	CCT		
1	EXISTING	90 A	3			0 VA			0 VA					3	20 A	A - D - EDH-16-1D	2		
3	EXISTING	90 A	3			0 VA		0 VA	0 VA					3	20 A	A - D - EDH-16-1D	4		
5	EXISTING	90 A	3			0 VA		0 VA	648 VA	1500 VA		12-2	1	20 A	LITES ISO. CELL 140	6			
7	EXISTING	90 A	3			0 VA		0 VA	311 VA	356 VA		12-2	1	20 A	LITES OFFICE 128	8			
9	EXISTING	90 A	3			0 VA		0 VA	0 VA	0 VA		12-2	1	20 A	LITES TOILETS 143	10			
11	EXISTING	90 A	3			0 VA		0 VA	0 VA	0 VA		12-2	1	20 A	LITES	12			
13	LIGHTING - 168	20 A	1			0 VA		0 VA	0 VA	0 VA		12-2	1	20 A	LITES	14			
15	EXISTING	100 A	3			0 VA		0 VA	0 VA	0 VA			3	30 A	B - C - EDH-2C	16			
17	EXISTING	100 A	3			0 VA		0 VA	0 VA	0 VA			3	30 A	B - C - EDH-2C	18			
19	EXISTING	100 A	3			0 VA		0 VA	0 VA	0 VA			3	30 A	B - C - EDH-2C	20			
21	EXISTING	100 A	3			0 VA		0 VA	0 VA	0 VA			3	30 A	B - C - EDH-2C	22			
23	B - A - EDH-2A	20 A	3			0 VA		0 VA	0 VA	0 VA			3	30 A	B - D - EDH-2D	24			
25	EXISTING	20 A	3			0 VA		0 VA	0 VA	0 VA			3	30 A	B - D - EDH-2D	26			
27	EXISTING	20 A	3			0 VA		0 VA	0 VA	0 VA			3	30 A	B - D - EDH-2D	28			
29	B - B - EDH-2B	30 A	3			0 VA		0 VA	0 VA	0 VA			3	30 A	A - A - EDH-1A	30			
31	EXISTING	30 A	3			0 VA		0 VA	0 VA	0 VA			3	30 A	A - A - EDH-1A	32			
33	EXISTING	40 A	3			0 VA		0 VA	0 VA	0 VA			3	30 A	A - B - EDH-1B	34			
35	EXISTING	40 A	3			0 VA		0 VA	0 VA	0 VA			3	30 A	A - B - EDH-1B	36			
37	EXISTING	40 A	3			0 VA		0 VA	0 VA	0 VA			3	30 A	A - B - EDH-1B	38			
39	SPACE	--	1			--	--	--	0 VA	--			1	20 A	SPARE	40			
41	SPACE	--	1			--	--	--	0 VA	--			1	20 A	SPARE	42			
						950 VA	1500 VA	356 VA											
						3.8 A	5.7 A	1.3 A											
Load Classification		Connected Load	Demand Factor	Estimated Demand	Panel Totals														
Lighting		0 VA	0.00%	0 VA															
LITES		2814 VA	125.00%	3517 VA															
				<b>Total Conn. Load:</b> 2814 VA															
				<b>Total Est. Demand:</b> 3517 VA															
				<b>Total Conn.:</b> 3.4 A															
				<b>Total Est. Demand:</b> 4.2 A															
<b>Notes:</b> Motor = LARGEST MOTOR MN = MOTOR (NON-SEASONAL) L = LIGHTING (CONTINUOUS) R = RECEPTACLE C = CONTINUOUS PN = POWER NON-SEASONAL (NON-CONTINUOUS) VT = VERTICAL TRANSPORTATION																			

#	ISSUED FOR	DATE
	ISS - JIA	08-20-24
	75% - JIA	07-26-24
	PERMIT/BID	08-20-24
	ADDENDUM #1	08-09-24

DRAWN BY: SLJB  
 REVIEW BY: DK

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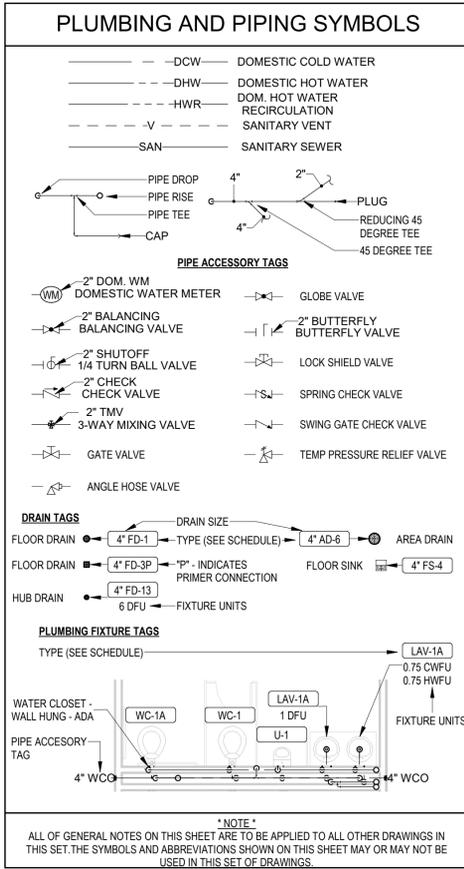
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### GENERAL MECHANICAL SYMBOLS

	REVISION NUMBER - SHOWN ON PLANS
	POINT WHERE NEW CONNECTS TO EXISTING
	LIMIT OF DEMOLITION
	KEYNOTE
	CONTINUATION SYMBOL
	ROOM NAME AND NUMBER
	ITEM TO BE DEMOLISHED
	AREA NOT IN CONTRACT
	PIPE SIZE TAG (DIAMETER)
	ABOVE GROUND PIPING
	PIPE SLOPE TAG
	BELOW GROUND PIPING
	PIPE INVERT ELEVATION TAG
	EXISTING PIPE TAG
	PIPING BEING DEMOLISHED

### ABBREVIATIONS

ABV	ABOVE	NIC	NOT IN CONTRACT
AAV	AIR ADMITTANCE VALVE	NO	NUMBER
AD	AREA DRAIN	NTS	NOT TO SCALE
AFF	ABOVE FINISHED FLOOR	PD	PRESSURE DROP
BFF	BELOW FINISHED FLOOR	PLBG	PLUMBING
BLW	BELOW	PRSS	PRESSURE
CLG	CEILING	PRV	PRESSURE REDUCING VALVE
CO	CLEAN OUT	PSI	POUNDS PER SQUARE INCH
CW	COLD WATER	RD	ROOF DRAIN
D	DEGREE	RED	REDUCER
DN	DOWN	SF	SQUARE FOOT
DOM	DOMESTIC	SAN	SANITARY
ET	EXPANSION TANK	SP	STATIC PRESSURE
EWC	ELECTRIC WATER COOLER	TEMP	TEMPERATURE
EWT	ENTERING WATER TEMPERATURE	TYP	TYPICAL
EXIST	EXISTING	V	VENT
F	FAHRENHEIT	VTR	VENT THROUGH ROOF
FCO	FLOOR CLEAN OUT	WCO	WALL CLEAN OUT
FD	FLOOR DRAIN	WH	WALL HYDRANT
FL	FLOOR		
FS	FLOOR SINK		
FT	FOOT/FEET		
GPM	GALLONS PER MINUTE		
GW	GAS WATER HEATER		
HB	HOSE BIBB		
HW	HOT WATER		
IN	INCH		
LWT	LEAVING WATER TEMPERATURE		



- ### PLUMBING NOTES
- ALL WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL CODES. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE 2023 FLORIDA PLUMBING CODE, WHERE CONFLICTS OCCUR BETWEEN CODES, OR BETWEEN CONSTRUCTION DOCUMENTS AND CODES, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
  - REVIEW PLANS OF ALL TRADES PRIOR TO BIDDING AND BEGINNING WORK. INSTALLATIONS SHALL INCLUDE ALL PLUMBING FOR COMPLETE SYSTEMS SHOWN ON THE PLANS AND AS REQUIRED.
  - COORDINATE WITH OTHER TRADES TO PREVENT INTERFERENCE WITH HVAC DUCTS, STRUCTURE, ELECTRICAL, LIGHTING, AND OTHER PIPING IN THE CEILING SPACE. VENT PIPING AND WATER PIPING SHALL BE HELD EITHER ABOVE OR BELOW HVAC DUCTWORK, AS COORDINATED WITH THE HVAC CONTRACTOR.
  - ALL CHANGES SHALL BE REVIEWED BY THE ARCHITECT.
  - COORDINATE WITH ARCHITECTURAL DRAWINGS BEFORE ROUGH-IN PLUMBING FIXTURES AND EQUIPMENT SUPPLIES.
  - THE PLUMBING SUBCONTRACTOR SHALL FURNISH AND INSTALL ALL PLUMBING FIXTURES, UNLESS NOTED OTHERWISE.
  - VERIFY MOUNTING HEIGHT AND WATER CONNECTION SIZES OF ALL PLUMBING FIXTURES PRIOR TO ROUGH-IN. FURNISH CUT-OUT TEMPLATES, FOR PLUMBING FIXTURES TO BE INSTALLED IN MILLWORK, TO THE GENERAL CONTRACTOR.
  - MAKE PROPER HOT AND COLD WATER, WASTE AND VENT PIPING CONNECTIONS TO ALL FIXTURES AND EQUIPMENT EVEN THOUGH ALL FITTINGS AND CONNECTIONS ARE NOT SHOWN ON DRAWINGS.
  - VERIFY LOCATION OF WATER SERVICE AND THE LOCATION/INVERTS OF SANITARY PIPING PRIOR TO INSTALLATION.
  - CUT AND PATCH CONCRETE AS REQUIRED.
  - IT IS NOT THE INTENT OF THESE DRAWINGS TO COVER ALL WORK AND MATERIAL. ANY EQUIPMENT, PLUMBING FIXTURE, TRIM HARDWARE AND/OR DEVICES USUALLY UTILIZED IN THE CLASS OF WORK, THOUGH NOT SPECIFICALLY MENTIONED OR SHOWN ON THESE DRAWINGS, BUT WHICH MAY BE NECESSARY FOR THE SATISFACTORY COMPLETION OF THE WORK (AS DETERMINED BY THE ARCHITECT) SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR AS PART OF HIS TOTAL WORK.
  - THE EQUIPMENT ROUGH-IN ITEMS AND THEIR DIMENSIONED LOCATIONS FOR ALL CONNECTIONS ARE ACCURATE TO THE BEST OF OUR KNOWLEDGE. IN SOME INSTANCES THE OWNER OR SUPPLIER MAY MAKE SUBSTITUTIONS OR EQUIPMENT ITEMS MAY VARY FROM WHAT IS SHOWN. THEREFORE, THESE ITEMS AND DIMENSIONS SHALL BE VERIFIED WITH THE EQUIPMENT SUPPLIER, OWNER AND/OR EQUIPMENT ROUGH-IN DRAWING. FAILURE OF THE APPROPRIATE CONTRACTOR TO VERIFY ROUGH-INS OR THEIR LOCATIONS SHALL PLACE THE RESPONSIBILITY FOR ANY SUBSEQUENT RELOCATION AND/OR ADDITIONAL ROUGH-INS DIRECTLY UPON THAT CONTRACTOR.
  - CONTRACTOR SHALL SUPPLY TO THE ARCHITECT/ENGINEER THE REQUIRED COPIES OF SHOP DRAWINGS FOR APPROVAL SO THE QUALITY OF INTENDED MATERIALS OR EQUIPMENT CAN BE REVIEWED BEFORE INSTALLATION. THERE WILL BE NO INSTALLATION UNTIL SHOP DRAWINGS HAVE BEEN SUBMITTED AND REVIEWED BY THE ARCHITECT/ENGINEER.
  - DO NOT SCALE THIS DRAWING. REFER TO ARCHITECTURAL FLOOR PLAN FOR BUILDING DIMENSIONS.
  - THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DESIGNED AROUND BASIS OF DESIGN PRODUCTS WHICH HAVE ESTABLISHED THE PERFORMANCE CRITERIA FOR THIS PROJECT. PRODUCTS SUBMITTED BY THE CONTRACTOR MAY BE ARRANGED DIFFERENTLY AND THE PRODUCTION OF CONTRACTOR COORDINATED DRAWINGS IS REQUIRED TO BE SUBMITTED PRIOR TO THE START OF CONSTRUCTION. THESE DIAGRAMMATIC DRAWINGS DO NOT NECESSARILY SHOW ALL ELBOWS, OFFSETS, UNIONS, VALVES, FITTINGS, AND ACCESSORIES REQUIRED TO COMPLETE THE SCOPE OF WORK. THE SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT THE CONTRACTOR HAS FAMILIARIZED THEMSELVES WITH THE PLANS AND BUILDING SITE. CLAIMS MADE SUBSEQUENT TO THE PROPOSAL FOR MATERIALS AND LABOR BECAUSE OF DIFFICULTIES ENCOUNTERED WILL NOT BE RECOGNIZED IF THEY COULD HAVE BEEN FORESEEN HAD PROPER EXAMINATION BEEN MADE.
  - VERIFY SERVICE POINTS AND METERING LOCATIONS FOR PROJECTS WITH LOCAL UTILITIES AND/OR LANDLORD (DOMESTIC WATER, SANITARY SEWER, GAS, ETC.).
  - THE CONTRACTOR SHALL COOPERATE FULLY AMONG ALL TRADES.
  - ALL ROOF PENETRATIONS FOR ROOF DRAINS AND PLUMBING SHALL BE MADE IN ACCORDANCE WITH ROOF SYSTEM MANUFACTURER'S GUIDELINES. COORDINATE WITH ARCHITECTURAL DETAILS AND/OR MANUFACTURER FOR ROOF SYSTEM USED.
  - ALL PLUMBING VENTS IN EXTERIOR WALLS SHALL BE OFFSET A MINIMUM OF 3'-0" BEFORE ROOF PENETRATION.
  - INSTALL 1" INSULATION WITH ALL-SERVICE JACKET ON ALL ROOF LEADERS ABOVE CEILING.
  - INSTALL PLENUM RATED INSULATION WRAP ON ALL PLASTIC VENT, SANITARY AND STORM PIPING LOCATED WITHIN A RETURN AIR PLENUM.
  - PLUMBING CONTRACTOR SHALL VERIFY WITH THE LOCAL HEALTH DEPARTMENT AND/OR WATER COMPANY AS TO THE METER AND VALVING ARRANGEMENTS OF THE DOMESTIC WATER SERVICE LINE WHICH ENTERS THE BUILDING. SHOULD A BACKFLOW PREVENTER ASSEMBLY AND/OR PRESSURE REDUCING VALVE ASSEMBLY BE REQUIRED, PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL AS REQUIRED PER LOCAL AND STATE REQUIREMENTS. THE BACKFLOW ASSEMBLY SHALL BE A "WATTS" SERIES #908 OR APPROVED EQUAL, MEETING ASSE STANDARDS 1013, 1015, & 1020. IF BACKFLOW PREVENTER IS REQUIRED, PROVIDE PROPERLY SIZED THERMAL EXPANSION TANK IN SUPPLY PIPING OF WATER HEATER. IF WATER PRESSURE IS 65 PSI OR ABOVE, THE PRESSURE REDUCING VALVE ASSEMBLY SHALL BE A "WATTS" SERIES #J5 SET AT 50 PSI DELIVERY PRESSURE, UNLESS OTHERWISE NOTED.
  - THE POTABLE WATER SUPPLY SHALL BE PROTECTED AGAINST BACKFLOW AND SIPHONAGE, BOTH NATURAL AND INDUCED. ALL EQUIPMENT CONNECTED TO THE POTABLE WATER SYSTEM BEING CAPABLE OF POLLUTING OR CONTAMINATING THE POTABLE WATER DISTRIBUTION SYSTEM OR ANY PART THEREOF BY MEANS OF A REVERSAL OF FLOW, PRESSURE DROP, PRESSURE LOSS, INDUCED VACUUM, OR BY INJECTION BECAUSE OF ANY PRIMARY OR AUXILIARY PUMPING SYSTEM CONNECTED, MUST BE ISOLATED AND CONTAINED BY MEANS OF APPROVED BACKFLOW DEVICES, CHECK VALVES, AIR GAPS, OR VACUUM BREAKERS. PLUMBING CONTRACTOR SHALL FURNISH AND INSTALL THESE DEVICES PER LOCAL CODE REQUIREMENTS.
  - THE WATER PIPING SYSTEM SHALL BE FLUSHED AND STERILIZED IN ACCORDANCE WITH LOCAL REGULATIONS.
  - HOT AND COLD WATER SUPPLY BRANCHES FOR ALL SYSTEMS HAVING QUICK CLOSING VALVES OF ANY TYPE SHALL HAVE WATER HAMMER ARRESTORS INSTALLED AT THE HIGH POINT ON THE END OF EACH BRANCH AND AS REQUIRED.
  - ALL PIPES HANGING FROM SINGLE VERTICAL RODS / HANGERS SHALL NOT MOVE OR SWAY DURING OPERATION. SUITABLE LATERAL SUPPORTS OR BRACING SHALL BE USED TO PREVENT SWAY OR MOVEMENT.
  - PROVIDE SHUTOFF BALL VALVES AND DIELECTRIC UNIONS FOR ALL EQUIPMENT HOT AND COLD WATER LINES. PLUMBING CONTRACTOR SHALL MAKE ALL FINAL CONNECTIONS TO EQUIPMENT. COORDINATE WITH EQUIPMENT SUPPLIER FOR EXACT REQUIREMENTS.

- ### PLUMBING NOTES
- VERIFY MOUNTING HEIGHTS OF ALL BARRIER FREE FIXTURES WITH ARCHITECTURAL PLANS.
  - PROVIDE COPPER INDIRECT WASTE PIPING REQUIRED FROM EQUIPMENT TO FLOOR DRAINS, OPEN RECEPTACLES, OR FLOOR SINKS. PIPING SHALL COMPLY WITH STATE AND LOCAL CODES. COORDINATE WITH ALL EQUIPMENT SUPPLIERS AND SIZES AS REQUIRED BY PIECE OF EQUIPMENT SERVED. HOLD PIPING TIGHT TO WALL WHERE APPLICABLE. PROPERLY SECURE AS REQUIRED. COORDINATE WITH CASEWORK SUPPLIER FOR MAXIMUM CLEARANCE UNDER CABINETS.
  - PROVIDE CHROME PLATED ESCUTCHEONS AT ALL WALL PENETRATIONS.
  - INSTALL STORM AND CONDENSATE PIPING WITH A MINIMUM SLOPE OF 1/8" PER FOOT UNLESS OTHERWISE REQUIRED. CONTRACTOR IS RESPONSIBLE FOR PROPER DRAINAGE OF ALL SYSTEMS.
  - INSTALL SANITARY PIPING LESS THAN 3" WITH A MINIMUM SLOPE OF 1/4" PER FOOT. 3" TO 6" WITH A MINIMUM SLOPE OF 1/8" PER FOOT. GREATER THAN 6" WITH A MINIMUM SLOPE OF 1/16" PER FOOT. CONTRACTOR IS RESPONSIBLE FOR PROPER DRAINAGE OF ALL SYSTEMS.
  - ALL FLOOR DRAINS ARE TO BE PROVIDED WITH MINIMUM 3" DRAIN LINES, DEEP SEAL TRAPS, AND AUTOMATIC TRAP PRIMERS. TRAP PRIMERS SHALL BE LOCATED IN A SERVICEABLE LOCATION AND INSTALLED PER MANUFACTURER'S INSTALLATION INSTRUCTIONS. HOLD TOP OF FLOOR DRAINS FLUSH WITH FINISHED FLOOR; SEE ARCHITECTURAL SHEETS FOR FLOOR SLOPES AND PROPER FINISHED FLOOR ELEVATION.
  - ALL VENT PIPE TO BE COMPATIBLE WITH STRUCTURE, MECHANICAL EQUIPMENT, DUCTWORK, ELECTRICAL EQUIPMENT, AND LIGHTING. ALL VTR'S SHALL BE EXTENDED TO A MINIMUM OF 2" ABOVE PARAPET HEIGHT AND MAINTAINED 10'-0" MINIMUM FROM ALL OUTSIDE AIR INTAKES.
  - MATERIALS, EQUIPMENT, ASSEMBLIES AND SYSTEMS SHALL MEET ALL PERTINENT REQUIREMENTS OF NATIONALLY RECOGNIZED TESTING ORGANIZATIONS SUCH AS UL, ASTM, ASSE, AWWA, AGA AND NFPA AS WELL AS THE MOST CURRENT ADULT VERSION OF THE STATE AND LOCAL CODES.
  - ALL INSTALLED SYSTEMS, DEVICES AND RELATED ITEMS SHALL BE TESTED IN PLACE. REPLACE ANY AND ALL CONTRACTOR SUPPLIED DEFECTIVE DEVICES, ITEMS, OR SYSTEMS AT CONTRACTOR'S EXPENSE, BEFORE COMPLETION OF PROJECT.
  - WHERE JOB CONDITIONS REQUIRE CHANGES FROM THE CONTRACT DOCUMENTS THAT DO NOT CHANGE THE SCOPE OR NATURE OF WORK REQUIRED, THE CONTRACTOR SHALL MAKE SUCH CHANGES WITHOUT ADDITIONAL COST TO THE OWNER. NO OTHER CHANGES MAY BE MADE WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
  - ALL EQUIPMENT, FIXTURES AND MATERIALS SHALL BE NEW AND UNUSED, AND INSTALLED IN STRICT CONFORMANCE TO MANUFACTURER'S RECOMMENDATIONS (UNLESS OTHERWISE NOTED). PROVIDE COMPLETE WITH ALL TRIM, STOPS, HANGERS, CARRIERS, SUPPORTS, ETC., INCLUDING PROVISIONS FOR BARRIER FREE USE, IF REQUIRED. WHERE FIXTURES ARE ACCESSIBLE THEY MUST COMPLY WITH ALL FEDERAL ADA REGULATIONS.
  - CONTRACTOR SHALL GUARANTEE ALL WORK FOR WHICH MATERIALS ARE FURNISHED, FABRICATED, FIELD ERRECTED, ALL FACTORY ASSEMBLED EQUIPMENT FOR WHICH NO SPECIFIC MANUFACTURER'S GUARANTEE IS FURNISHED, AND ALL WORK IN CONNECTION WITH INSTALLATION OF MANUFACTURER'S GUARANTEED EQUIPMENT. THE CONTRACTOR'S GUARANTEE SHALL LAST ONE YEAR FROM THE FINAL OWNER ACCEPTANCE OF THE WORK AND SHALL APPLY TO ALL DEFECTS IN MATERIALS AND WORKMANSHIP OF ANY KIND.
  - ALL FAUCET CONTROLS SHALL BE OPERABLE WITH ONE HAND AND NOT REQUIRE TIGHTGRASPING.
  - ALL BARRIER FREE WATER CLOSET CONTROLS SHALL BE LOCATED ON UNIT TOWARDS WIDE SIDE OF STALL. VERIFY IF RIGHT OR LEFT SIDE LOCATION.

### PLUMBING ACCESSORIES

FD:  
FLOOR DRAIN - ZURN ZN415B-P-V-P, 6" CAST-IRON FLOOR DRAIN BODY AND COLLAR, 3" THREADED DRAIN OUTLET WITH 3" DEEP SEAL P-TRAP, 1/2" TRAP-SEAL PRIMER CONNECTION WITH PRESSURE ACTIVATED TRAP PRIMER VALVE. PROVIDE WITH VANDAL-PROOF SECURED TOP.  
TRAP PRIMER - ZURN Z1022 SANI-GUARD, CONNECT TO CW WITH VALVE. EXTEND TRAP PRIMER TO FLOOR DRAIN AS REQUIRED. 1/2" CW.  
DEEP SEAL TRAP - ZURN Z1000, DURA-COATED CAST IRON BODY WITH BOTTOM BRONZE CLEANOUT PLUG, 3" PIPE SIZE.  
REFER TO PLUMBING DRAWINGS FOR FLOOR DRAIN LOCATIONS WITH EITHER A TRAP PRIMER CONNECTION OR DEEP SEAL P-TRAP.

FCO:  
FLOOR CLEANOUT - ZURN ZN1400-K; CAST-IRON ADJUSTABLE HOUSING FLOOR CLEANOUT; RAISED, TAPERED THREAD BRONZE CLOSURE PLUG; NEOPRENE RUBBER GASKET; NICKEL-BRONZE ROUND SCORATED TOP COVER; INSIDE CAULK OUTLET, SAME SIZE AS CONNECTED DRAINAGE PIPING; ASME A112.36.2M.

WCO:  
WALL CLEANOUT - ZURN Z1446; CAST-IRON CLEANOUT TEE; RECESSED, TAPERED THREAD BRONZE PLUG; STAINLESS STEEL OR CHROME-PLATED BRASS WALL ACCESS COVER PLATE, SAME SIZE AS CONNECTED DRAINAGE PIPING; ASME A112.36.2M.

GCO:  
GRADE CLEANOUT - ZURN ZN1400-H; CAST-IRON ADJUSTABLE HOUSING CLEANOUT FERRULE; RECESSED, TAPERED THREAD, BRONZE CLOSURE PLUG; NEOPRENE RUBBER GASKET; SAME SIZE AS CONNECTED DRAINAGE PIPING; INSTALL IN 24" X 24" X 12" DEEP CONCRETE PAD FLUSH WITH GRADE; ASME A112.36.2M. INSTALL END-OF-LINE CLEANOUT WITH LONG SWEEP ELBOW; INSTALL 2-WAY CLEANOUT WITH 2-WAY CLEANOUT FITTING.

PCO:  
PINNED CLEANOUT - ACORN PC; 2-1/2" NPT BRASS CLEAN-OUT PLUG. PERMANENT 5/32" STAINLESS STEEL PIN.

### PLUMBING FIXTURE SCHEDULE

FIXTURE MARK	FIXTURE DESCRIPTION	ROUGH-IN PIPE SIZES				WATER SUPPLY DURATION		DRAINAGE	BASIS OF DESIGN MAKE	BASIS OF DESIGN MODEL
		COLD WATER SUPPLY	HOT WATER SUPPLY	FIXTURE TRAP	FIXTURE DRAIN	COLD WATER	HOT WATER			
WC-1	COMBINATION LAVATORY AND WATER CLOSET - 14 GAUGE TYPE 304 STAINLESS STEEL, FLOOR MOUNTED, WALL OUTLET, HARD-WIRED FLUSH VALVE, 1.28 GPF. PROVIDE WITH PENAL BUBBLER. PROVIDE HARD-WIRED SECONDARY CONTROL OF FLUSH VALVE TO BE LOCATED IN CHASE.	LAV: 1/2" WC: 1"	LAV: 1/2" WC: -	LAV: 2" WC: 4"	LAV: 2" WC: 4"	LAV: 0.5 WC: 6	LAV: 0.5 WC: -	LAV: 1 WC: 4	ACORN	1432ALAR
WC-2	WATER CLOSET - 14 GAUGE TYPE 304 STAINLESS STEEL, FLOOR MOUNTED, WALL OUTLET, MECHANICAL FLUSH VALVE, 1.6 GPF.	1"	N/A	4"	4"	6	N/A	4	ACORN	1695
WC-3	WATER CLOSET - BARRIER FREE FLOOR MOUNTED 17" HIGH, ELONGATED, 1-1/2" TOP SPUD, VITREOUS CHINA, 1.6 GPF. ROUND FRONT SEAT COVER, STAINLESS STEEL HINGE. PROVIDE ALL REQUIRED ACCESSORIES FOR COMPLETE INSTALLATION.	1"	N/A	4"	4"	6	N/A	4	AMERICAN STANDARD; SLOAN	215BA; 111
LAV-1	LAVATORY - 14 GAUGE TYPE 304 STAINLESS STEEL, WALL OUTLET, PNEUMATICALLY OPERATED, HEMISPHERICAL PUSH BUTTONS, ADA COMPLIANT, HEMISPHERICAL BUBBLER, AND INTEGRAL SELF-DRAINING SOAP DISH.	1/2"	1/2"	2"	2"	1.5	1.5	1	ACORN	LR1652
LAV-2	LAVATORY, BARRIER FREE - 20x18" VITREOUS CHINA, WALL HUNG, SINGLE HOLE, PROVIDE FLOOR CARRIER WITH CONCEALED ARMS, CHROME FAUCET, GRID DRAIN ASSEMBLY. TOP OF FRONT RIM MOUNTED 34" FROM FINISHED FLOOR. PROVIDE STOPS, SUPPLIES, TRAP, ETC., TO MAKE A COMPLETE INSTALLATION.	1/2"	1/2"	2"	2"	0.5	0.5	1	AMERICAN STANDARD; DELTA	0355; 27C4974
MS-1	MOP SINK - 24X24X10" ONE-PIECE CONSTRUCTION, INTEGRALLY MOLDED CENTER DRAIN WITH SEAL. PROVIDE WITH HOSE AND HOSE HOOK, MOP BRACKET, VACUUM BREAKER, AND WALL GUARDS.	1/2"	1/2"	3"	3"	2.25	2.25	2	FIAT; MOEN	TSB-3010; 8230
SH-1	SHOWER - 14 GAUGE TYPE 304 STAINLESS STEEL PNEUMATICALLY OPERATED, PRESSURE BALANCING MIXING VALVE, AND INTEGRAL SERVICE STOPS.	1/2"	1/2"	2"	2"	3	3	2	ACORN	1741-8MV-RD
WH-1	WALL HYDRANT - ENCASED, NON-FREEZE, ANTI-SIPHON FLUSH WALL HYDRANT, NICKEL BRONZE FACE WITH LOCKING HINGED COVER, INCLUDED OPERATING KEY.	3/4"	N/A	N/A	N/A	5	N/A	N/A	ZURN	Z1320XL-NB
BPH-1	BED PAN HOPPER - VITREOUS CHINA, WALL-HUNG, BLOWOUT FLUSHING RIM SERVICE SINK, FLUSH VALVE, SLOAN "ROYAL" 117 BED PAN WASHER, CHICAGO 910-G777-19KCP	3/4"	3/4"	4"	4"	2.25	2.25	2	CRANE	7H544

- ### GENERAL NOTES
- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATIVE OF WORK TO BE PROVIDED (FURNISHED AND INSTALLED) UNDER THIS CONTRACT. DRAWINGS SHOULD NOT BE SCALED.
  - THE CONTRACTOR IS RESPONSIBLE TO EXAMINE THE EXISTING CONDITIONS UNDER WHICH THEY SHALL OPERATE AND VERIFY THE EXTENT OF WORK REQUIRED TO COMPLETE THE WORK UNDER THIS CONTRACT.
  - PRIOR TO ORDERING AND FABRICATING ANY EQUIPMENT, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXAMINE THE PHYSICAL CONDITIONS AT THE PROJECT SITE AND VERIFY SPACE AND SUFFICIENT CLEARANCES ARE AVAILABLE FOR INSTALLING EQUIPMENT, DUCTWORK, PIPING, AND APPURTENANCES, AND TO DETERMINE ANY NECESSARY MODIFICATIONS.
  - PERFORM ALL WORK IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, REGULATIONS, AND STANDARDS ADOPTED BY THE AUTHORITY HAVING JURISDICTION. IF CONFLICTS EXIST BETWEEN THESE ENGINEERING DOCUMENTS AND CODES, THE MOST STRINGENT REQUIREMENTS SHALL GOVERN.
  - ALL CONSTRUCTION WORK SHALL ALSO MEET THE FOLLOWING CODE REQUIREMENTS:
    - FLORIDA BUILDING CODE (FBC) 2023
    - FLORIDA EXISTING BUILDING CODE 2023
    - FBC MECHANICAL 2023
    - FBC PLUMBING 2023
    - FBC ENERGY CONSERVATION 2023
    - FLORIDA FIRE PREVENTION CODE 2023
    - NFPA 1-2021, THE UNIFORM FIRE CODE
    - NFPA 101-2021, THE LIFE SAFETY CODE
    - NFPA 51B-2019, STANDARD FOR FIRE PREVENTION DURING WELDING, CUTTING AND OTHER HOT WORK
    - NFPA 13-2019, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
    - NFPA 70-2020, NATIONAL ELECTRICAL CODE
    - NFPA 90A-2021, STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTING SYSTEMS
    - NFPA 241-2019, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS.
  - CONTRACTOR SHALL COORDINATE AND SEQUENCE DEMOLITION, CLEANING, AND CONSTRUCTION WORK.
  - CONTRACTOR SHALL NOTE ANY SPECIAL REQUIREMENTS FOR INSTALLATION OF WORK UNDER THIS CONTRACT. DISMANTLE AND REASSEMBLE EQUIPMENT AS NECESSARY FOR ENTRY INTO THE BUILDING AND THE LOCATION OF INSTALLATION.
  - THE CONTRACTOR SHALL MAINTAIN A COMPLETE PROJECT SCHEDULE AND SHALL UPDATE THIS SCHEDULE WEEKLY. ANY CHANGES SHALL BE NOTED AND AN UPDATED SCHEDULE SHALL BE PROVIDED TO THE OWNER.
  - ALL PERMITS, FEES, TAXES, ETC. SHALL BE PAID BY CONTRACTOR AS PART OF THE TOTAL PROJECT COST.
  - MAINTAIN THE INTEGRITY OF ALL FIRE AND SMOKE RATED WALLS, PARTITION CEILINGS, AND FLOORS. SEAL ALL PENETRATIONS THROUGH RATED ASSEMBLIES WITH FIRESTOP MATERIAL IN ACCORDANCE WITH U.L. REQUIREMENTS TO MAINTAIN THE ASSEMBLY RATING.
  - CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE AND SMOKE RATED ASSEMBLY PENETRATION BY DUCTS, PIPES, OR CONDUITS, AND SHALL DISPLAY THESE DRAWINGS ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
  - CONTRACTOR SHALL REFER TO ALL DETAILS FOR PROPER GUIDANCE.
  - THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND EQUIPMENT SUBMITTALS FOR ALL PRODUCTS USED ON PROJECT.
  - THE ENGINEER'S APPROVAL OF SUBMITTAL DATA SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR DEVIATIONS FROM THE REQUIREMENTS OF CONTRACT DOCUMENTS UNLESS THE CONTRACTOR HAS RECEIVED WRITTEN APPROVAL FROM THE ENGINEER TO THE SPECIFIC DEVIATION. THE ENGINEER'S APPROVAL OF SUBMITTAL DATA SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN HIS OR HER SUBMITTAL DATA.
  - THE CONTRACTOR IS REQUIRED TO SUBMIT THREE COMPLETE O&M MANUALS IN THREE RING BINDERS AT SUBSTANTIAL COMPLETION. MANUALS SHALL INCLUDE INSTALLATION AND MAINTENANCE DATA ON ALL NEW EQUIPMENT AND MATERIALS, CERTIFIED TECHNICAL PRODUCT DATA, EQUIPMENT SHOP DRAWINGS, SPARE PARTS DATA, ETC. PROVIDE AN INDEX AND ASSOCIATED DIVIDERS.
  - CLOSE OUT DOCUMENTS: THE CONTRACTOR IS TO MAINTAIN ONE SET OF CONSTRUCTION DRAWINGS ON SITE AND KEEP CURRENT WITH MARK UP AS-BUILT CONDITIONS DURING CONSTRUCTION OF THE PROJECT. THIS SET IS TO INCLUDE ALL CONTRACT CHANGES, MODIFICATIONS AND CLARIFICATIONS. THIS SET ALONG WITH ALL SHOP DRAWINGS SHALL BE TURNED OVER TO THE ARCHITECT/ENGINEER AFTER CONSTRUCTION COMPLETION.
  - IT IS THE RESPONSIBILITY OF ALL BIDDERS TO THOROUGHLY REVIEW AND UNDERSTAND ALL CONSTRUCTION DOCUMENTS. THIS INCLUDES BUT IS NOT LIMITED TO ALL DRAWINGS, SPECIFICATION SECTIONS, ETC. THE DRAWINGS ARE SCHEMATIC IN NATURE. THEREFORE BEFORE STARTING ANY WORK, THE CONTRACTOR SHALL REVIEW ALL OTHER CONSTRUCTION DOCUMENTS, VERIFY FIELD CONDITIONS AND SHALL MAKE ANY REQUIRED MINOR ADJUSTMENTS WITHOUT EXTRA COST TO THE OWNER. ANY MAJOR DISCREPANCIES FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER. THE BASE BID SHALL REFLECT THE TOTAL COST OF NEW EQUIPMENT INSTALLATION. THIS INCLUDES LABOR, EQUIPMENT AND MATERIALS. NO CHANGE ORDERS SHALL BE ISSUED WITHOUT WRITTEN CONSENT AND APPROVAL FROM ENGINEER AND ARCHITECT.

### PLUMBING SHEET LIST - JIA

Sheet Number	Sheet Name
P001A	PLUMBING NOTES, LEGENDS, & SCHEDULES - JIA
PD101A	PLUMBING DEMOLITION PLAN - SANITARY AND VENT - JIA
PD201A	PLUMBING DEMOLITION PLAN - DOMESTIC WATER - JIA
P101A	PLUMBING RENOVATION PLAN - SANITARY AND VENT - JIA
P201A	PLUMBING RENOVATION PLAN - DOMESTIC WATER - JIA
P401A	PLUMBING RENOVATION - ENLARGED PLANS - JIA
P501A	PLUMBING DETAILS - JIA
P901A	SANITARY & VENT ISOMETRIC - JIA
P902A	DOMESTIC WATER ISOMETRIC - JIA

#	ISSUED FOR	DATE
	05 - JIA	08-24-24
	75% - JIA	07-26-24
	PERMITS/ISS	08-20-24
	ADDENDUM #1	09-24-24

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REVIEW BY: NPS

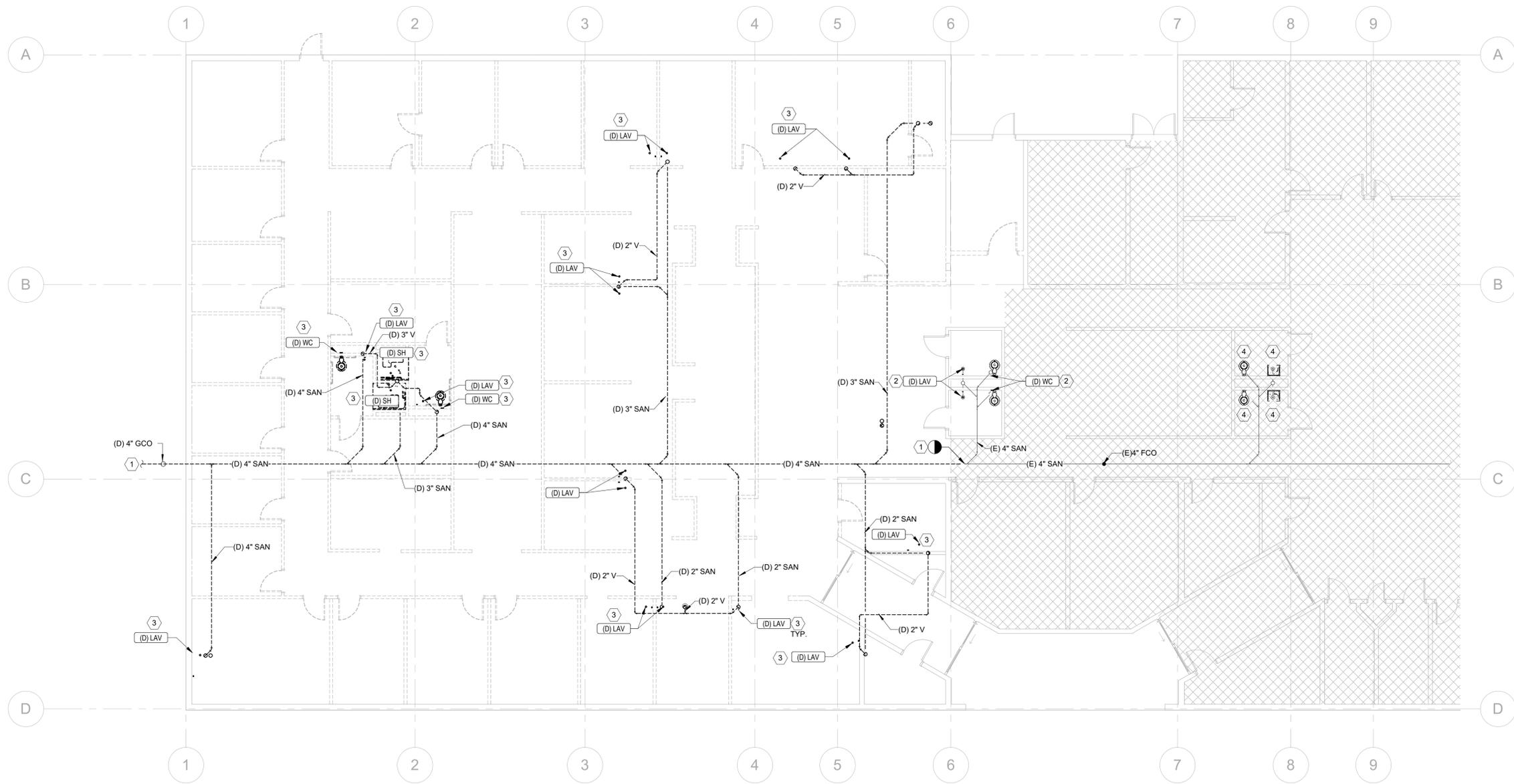
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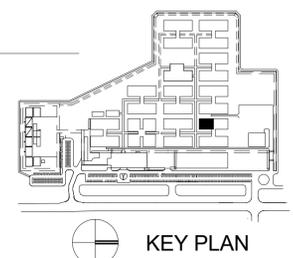
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- ### KEYNOTES
- EXISTING 4" SANITARY PIPING SHALL BE DEMOLISHED FROM LIMIT OF DEMOLITION BACK TO MAIN UNDERGROUND SEWER CONNECTION. CONTRACTOR SHALL COORDINATE DEMOLITION WORK WITH HILLSBOROUGH COUNTY WATER RESOURCES DEPARTMENT (WASTEWATER).
  - REMOVE AND PROPERLY DISPOSE OF EXISTING PLUMBING FIXTURES. PREPARE EXISTING PIPING FOR RECONNECTION. TEMPORARILY CAP EXISTING SANITARY, VENT, AND DOMESTIC WATER PIPING FOR REUSE. REFER TO PLUMBING RENOVATION PLAN FOR ADDITIONAL INFORMATION.
  - REMOVE AND PROPERLY DISPOSE OF EXISTING PLUMBING FIXTURE AND ASSOCIATED PIPING. REPAIR FLOORING AND SLAB AS REQUIRED. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
  - NOTED PLUMBING FIXTURES EXISTING TO REMAIN. CONTRACTOR SHALL CLEAN PLUMBING FIXTURES AND ENSURE PROPER OPERATION AS PART OF THIS PROJECT.

- ### PLUMBING GENERAL NOTES
- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT SHOW ALL ELBOWS, OFFSETS, UNIONS, VALVES, OR FITTINGS REQUIRED TO COMPLETE INSTALLATION.
  - EXISTING CONDITIONS ARE BASED ON FIELD OBSERVATIONS AND 'AS-BUILT' DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND REPORT DISCREPANCIES TO ENGINEER PRIOR TO DISTURBING EXISTING INSTALLATION.
  - CONTRACTOR SHALL FIELD VERIFY ALL CONNECTION POINTS TO EXISTING SYSTEM PIPING AFFECTED.
  - ALL EXISTING PIPING TO BE REUSED SHALL BE PRESSURE TESTED, THOROUGHLY CLEANED, AND SANITIZED TO AVOID POSSIBLE CONTAMINATION.
  - PLUMBING CONTRACTOR SHALL ENSURE NO DEAD LEGS ARE LEFT IN ANY PIPING WITHIN THE AREA OF WORK.



**1 PLUMBING DEMOLITION PLAN - SANITARY AND VENT - JIA**  
 1/8" = 1'-0"



**HCSO MENTAL HEALTH CLINIC**

2310 N. FALKENBURG ROAD  
 TAMPA, FLORIDA 33619

**PLUMBING DEMOLITION PLAN - SANITARY AND VENT - JIA**

#	ISSUED FOR	DATE
	05 - JIA	06-20-24
	75% - JIA	07-26-24
	PERMIT/BD	08-20-24
	ADDENDUM #1	09-03-24

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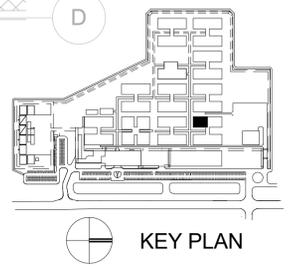
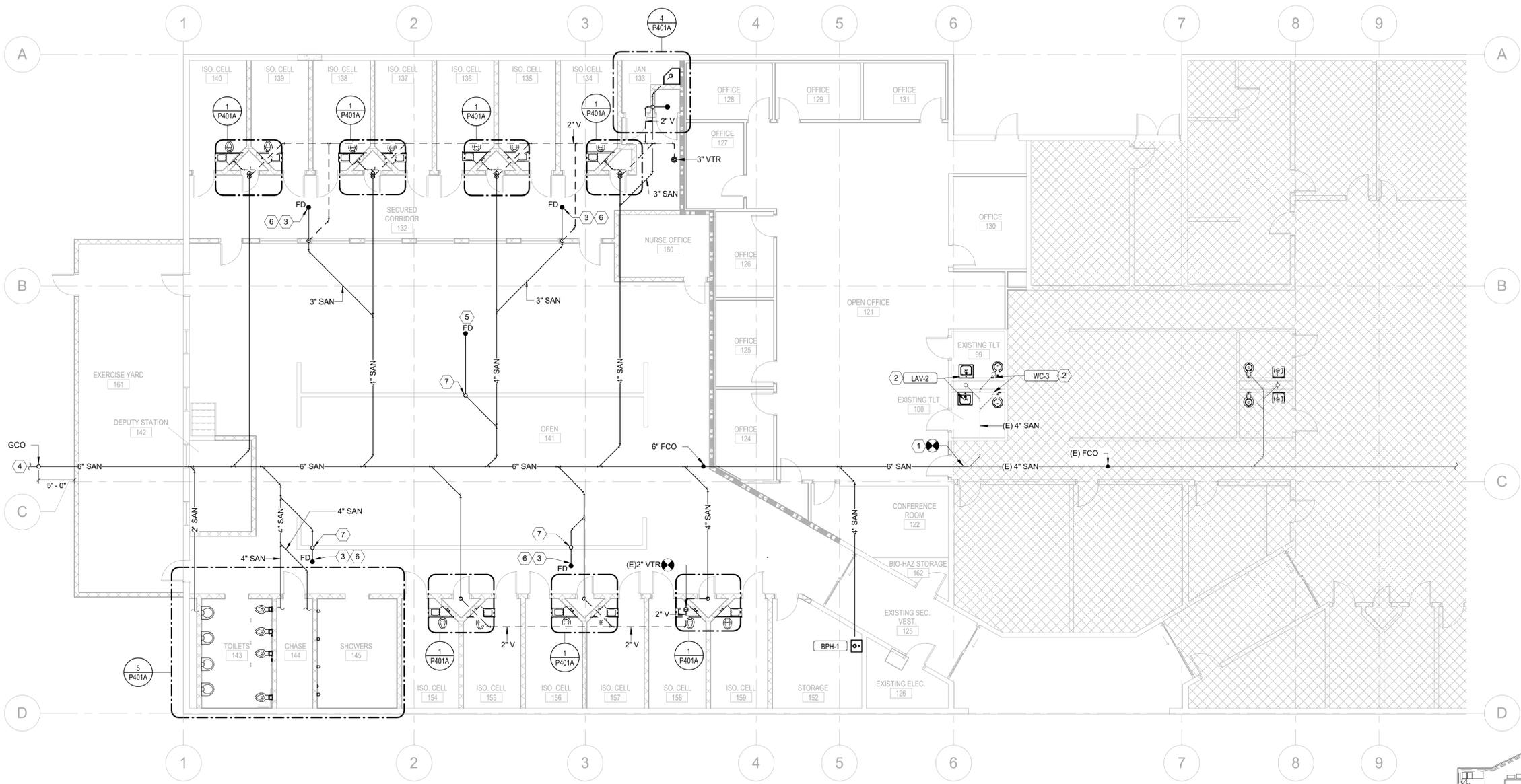
**PD101A**



DRAINAGE FIXTURE UNITS (JIA)				
FIXTURE MARK	FIXTURE TYPE	DRAINAGE FIXTURE UNIT (DFU)	QUANTITY	TOTAL DFU
WC-1	COMBINATION LAVATORY AND WATER CLOSET	5	13	65
WC-2	WATER CLOSET	4	4	16
WC-3	WATER CLOSET	4	2	8
LAV-1	LAVATORY	1	4	4
LAV-2	LAVATORY	1	2	2
MS-1	MOP SINK	2	1	2
SH-1	SHOWER DRAINAGE	2	5	10
BPH-1	BED PAN HOPPER	2	1	2
<b>TOTALS</b>			<b>32</b>	<b>109</b>

- KEYNOTES**
- CONNECT NEW 6" SANITARY MAIN TO EXISTING 4" MAIN.
  - INSTALL NEW PLUMBING FIXTURE. CONNECT NEW PLUMBING FIXTURE TO EXISTING PIPING.
  - FURNISH AND INSTALL FLOOR DRAINS IN EXISTING FLOOR. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS.
  - NEW 6" SANITARY PIPE SHALL BE CONNECTED TO EXISTING MAIN SANITARY SEWER LINE UNDERGROUND. CONTRACTOR SHALL COORDINATE NEW PIPING WITH HILLSBOROUGH COUNTY WATER RESOURCES DEPARTMENT (WASTEWATER).
  - FLOOR DRAIN SHALL BE PROVIDED WITH TRAP SEAL.
  - FLOOR DRAIN SHALL BE PROVIDED WITH TRAP PRIMER.
  - AIR ADMITTANCE VALVE. PROVIDE WITH PROPER ACCESS FOR SERVICING.

- PLUMBING GENERAL NOTES**
- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT SHOW ALL ELBOWS, OFFSETS, UNIONS, VALVES, OR FITTINGS REQUIRED TO COMPLETE INSTALLATION.
  - EXISTING CONDITIONS ARE BASED ON FIELD OBSERVATIONS AND 'AS-BUILT' DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND REPORT DISCREPANCIES TO ENGINEER PRIOR TO DISTURBING EXISTING INSTALLATION.
  - CONTRACTOR SHALL FIELD VERIFY ALL CONNECTION POINTS TO EXISTING SYSTEM PIPING AFFECTED.
  - ALL EXISTING PIPING TO BE REUSED SHALL BE PRESSURE TESTED, THOROUGHLY CLEANED, AND SANITIZED TO AVOID POSSIBLE CONTAMINATION.
  - PLUMBING CONTRACTOR SHALL ENSURE NO DEAD LEGS ARE LEFT IN ANY PIPING WITHIN THE AREA OF WORK.



#	ISSUED FOR	DATE
	ISO - JIA	06.20.24
	75% - JIA	07.26.24
	PERMIT/BID	08.20.24
	ADDENDUM #1	09.03.24

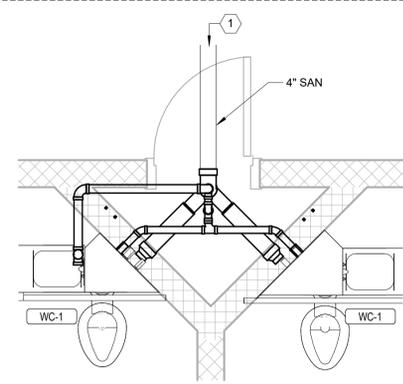
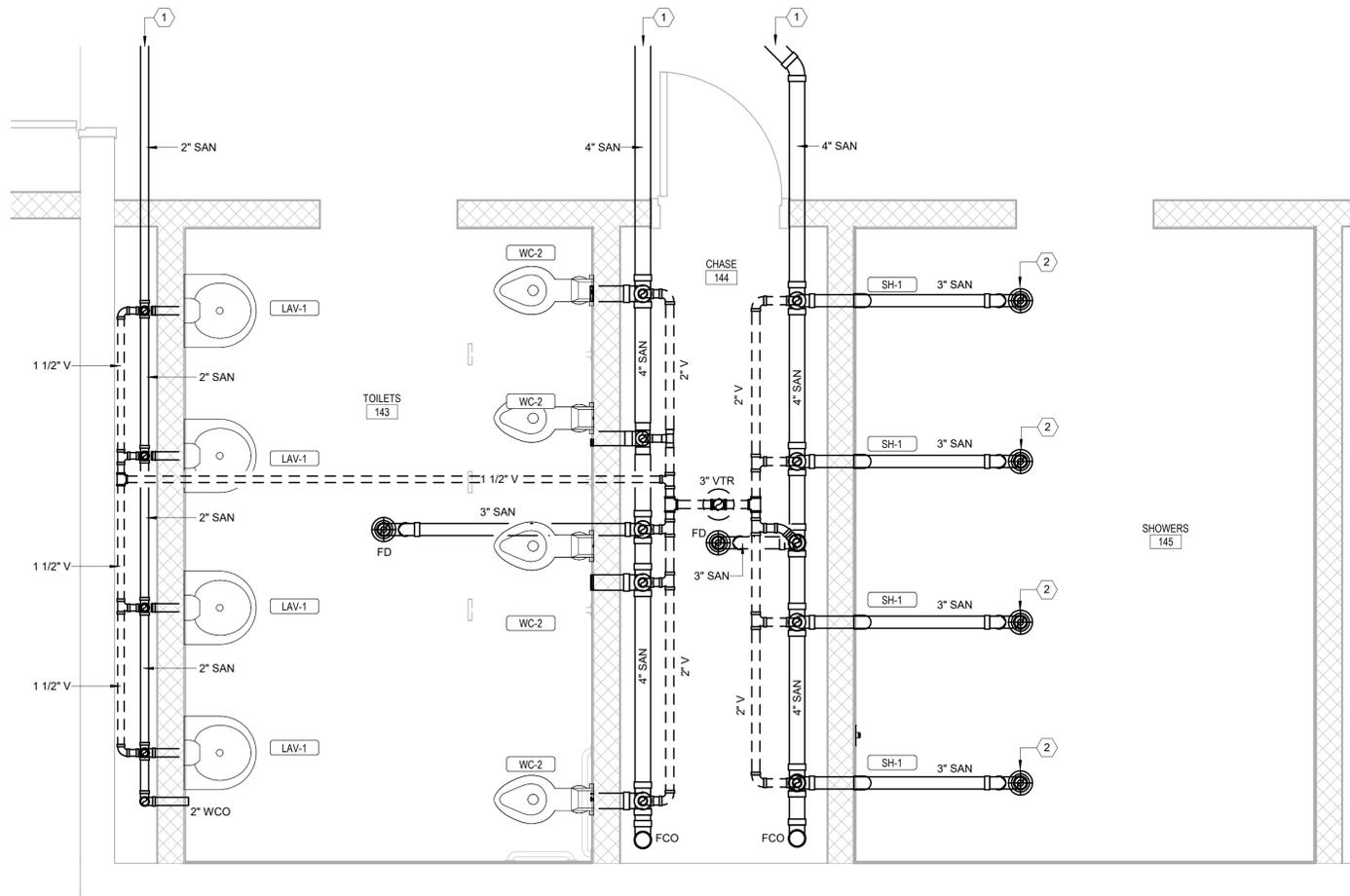
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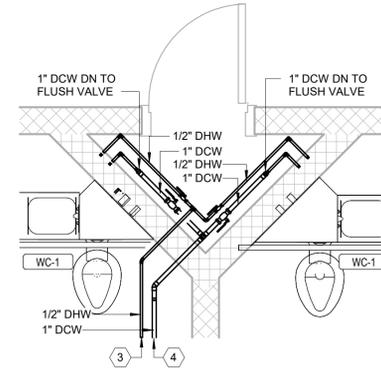
**1** PLUMBING RENOVATION PLAN - SANITARY AND VENT - JIA  
 1/8" = 1'-0"

LU: P10101A (02/26/24)





1 TYPICAL SANITARY ENLARGED PLAN - CELL - JIA  
1/2" = 1'-0"



2 TYPICAL DOMESTIC WATER ENLARGED PLAN - CELL - JIA  
1/2" = 1'-0"

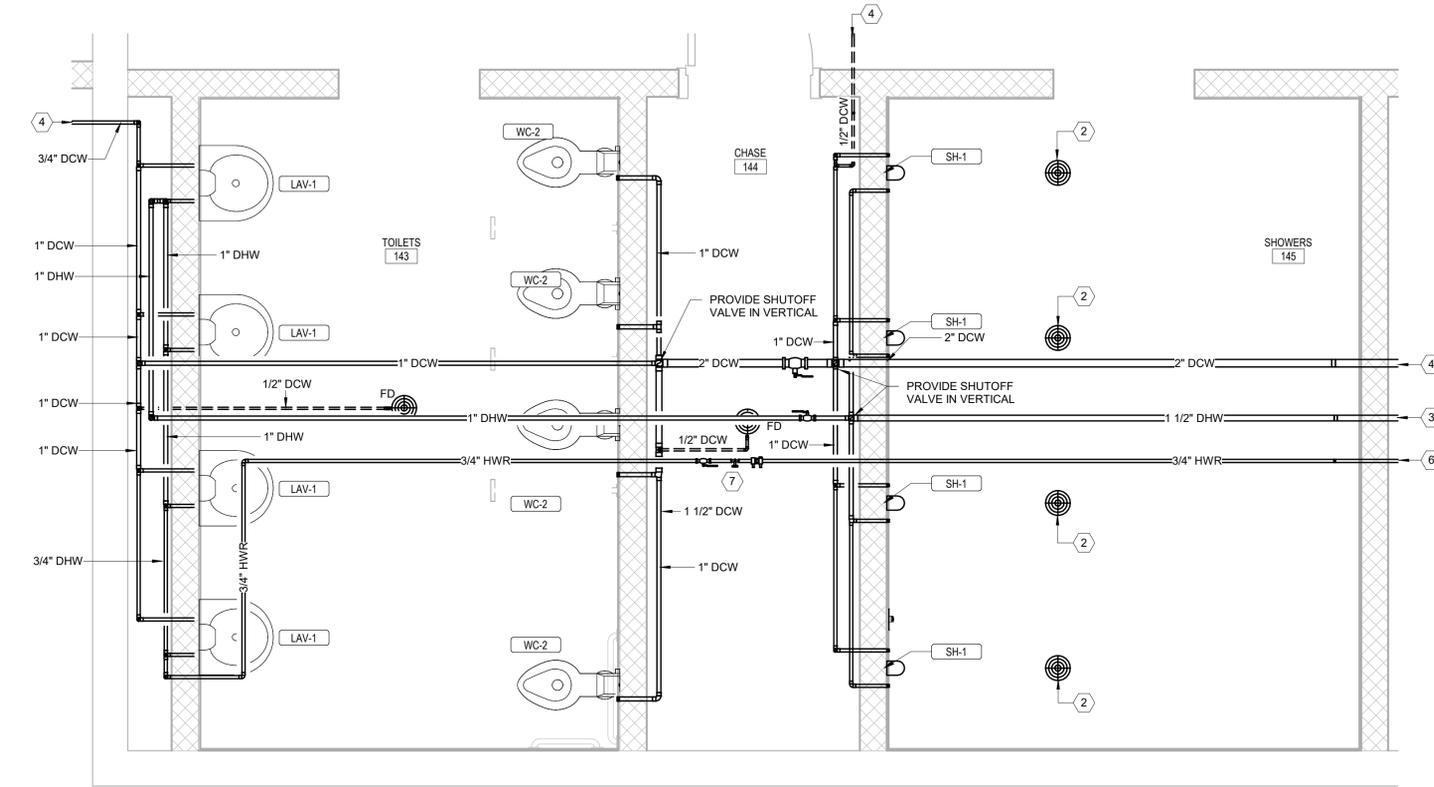
**PLUMBING GENERAL NOTES**

- THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND DO NOT SHOW ALL ELBOWS, OFFSETS, UNIONS, VALVES, OR FITTINGS REQUIRED TO COMPLETE INSTALLATION.
- EXISTING CONDITIONS ARE BASED ON FIELD OBSERVATIONS AND 'AS-BUILT' DOCUMENTS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND REPORT DISCREPANCIES TO ENGINEER PRIOR TO DISTURBING EXISTING INSTALLATION.
- CONTRACTOR SHALL FIELD VERIFY ALL CONNECTION POINTS TO EXISTING SYSTEM PIPING AFFECTED.
- ALL EXISTING PIPING TO BE REUSED SHALL BE PRESSURE TESTED, THOROUGHLY CLEANED, AND SANITIZED TO AVOID POSSIBLE CONTAMINATION.
- PLUMBING CONTRACTOR SHALL ENSURE NO DEAD LEGS ARE LEFT IN ANY PIPING WITHIN THE AREA OF WORK.

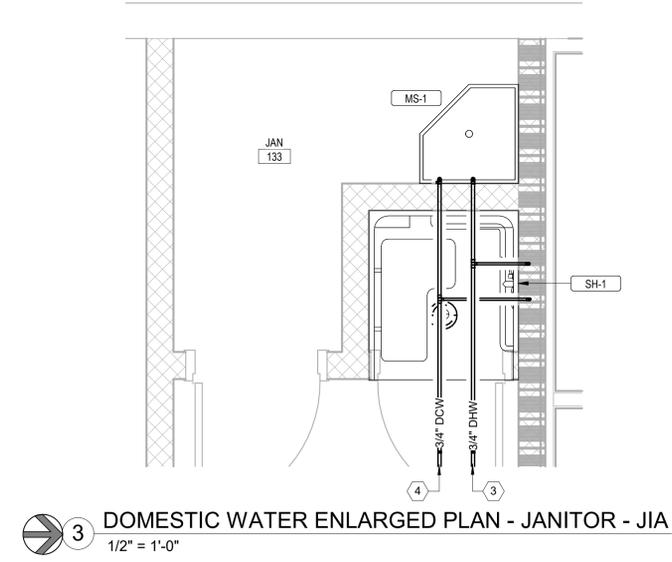
**KEYNOTES**

- SANITARY PIPING (BELOW GRADE) TO BUILDING MAIN SANITARY LINE. REFER TO DRAWING #1/P101A FOR CONTINUATION.
- FURNISH AND INSTALL FLOOR DRAIN FOR EACH SHOWER HEAD WITHIN SHOWER ROOM 145.
- DOMESTIC HOT WATER PIPING TO RESPECTIVE BUILDING MAIN DOMESTIC HOT WATER LINE. PROVIDE NEW FULL PORT SHUTOFF VALVES AT MAIN CONNECTION. REFER TO DRAWING #1/P201A FOR CONTINUATION.
- DOMESTIC COLD WATER PIPING TO RESPECTIVE BUILDING MAIN DOMESTIC COLD WATER LINE. PROVIDE NEW FULL PORT SHUTOFF VALVES AT MAIN CONNECTION. REFER TO DRAWING #1/P201A FOR CONTINUATION.
- SANITARY VENT PIPING TO BUILDING MAIN VENT LINE. REFER TO DRAWING #1/P101A FOR CONTINUATION.
- DOMESTIC HOT WATER RETURN PIPING TO RESPECTIVE BUILDING MAIN DOMESTIC HOT WATER RETURN LINE. REFER TO DRAWING #1/P201A FOR CONTINUATION.
- REFER TO POTABLE HOT WATER RETURN BALANCING VALVE STATION DETAIL FOR MORE INFORMATION.

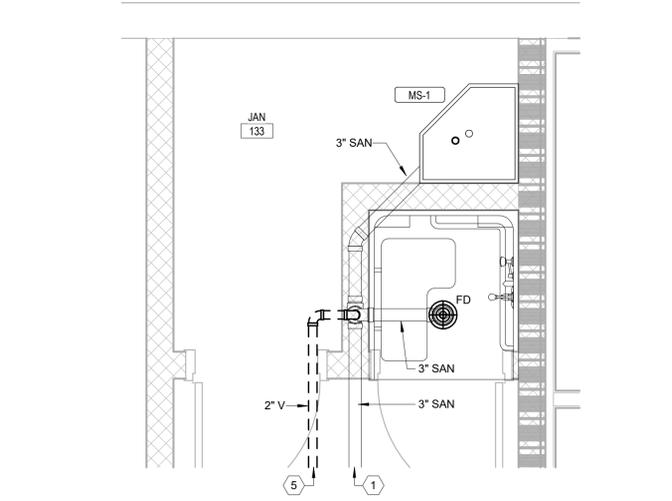
5 SANITARY AND VENT ENLARGED PLAN - BATHROOM - JIA  
1/2" = 1'-0"



6 DOMESTIC WATER ENLARGED PLAN - BATHROOM - JIA  
1/2" = 1'-0"



3 DOMESTIC WATER ENLARGED PLAN - JANITOR - JIA  
1/2" = 1'-0"



4 SANITARY AND VENT ENLARGED PLAN - JANITOR - JIA  
1/2" = 1'-0"

#	ISSUED FOR	DATE
	CS - JIA	06.20.24
	75% - JIA	07.26.24
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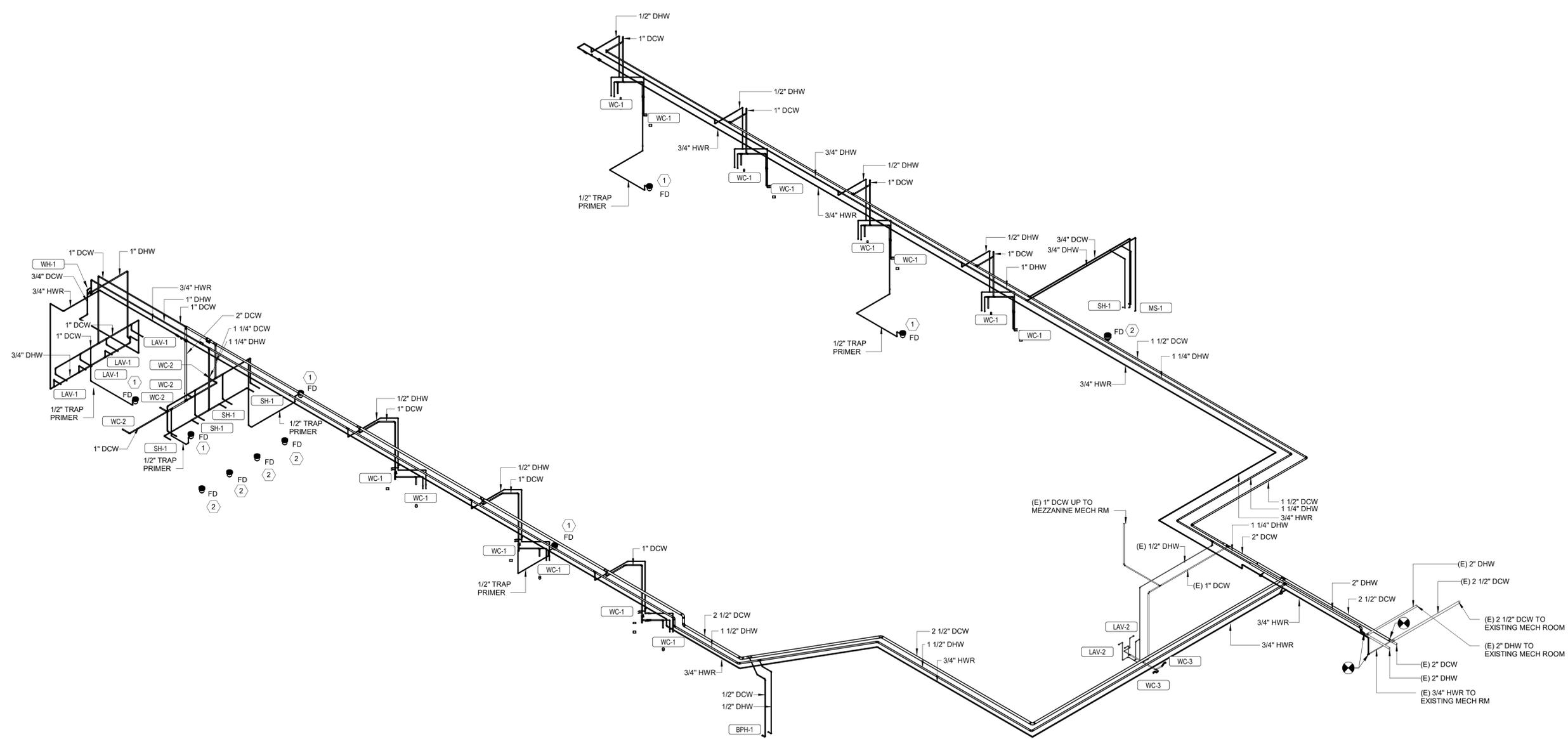
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P401A





#	KEYNOTES
1	FLOOR DRAIN SHALL BE PROVIDED WITH TRAP PRIMER.
2	FLOOR DRAIN SHALL BE PROVIDED WITH TRAP SEAL.



**1 PLUMBING ISOMETRIC - DOMESTIC WATER**  
NOT TO SCALE

#	ISSUED FOR	DATE
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	75% - JIA	07.26.24
	PERMIT/BID	08.20.24
	ADDENDUM #1	09.03.24

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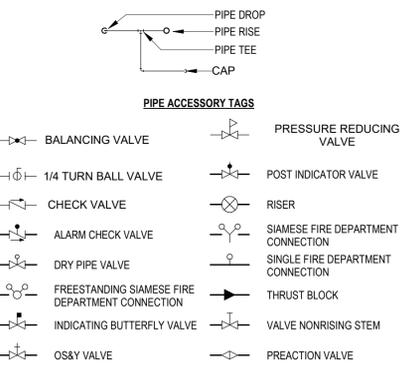
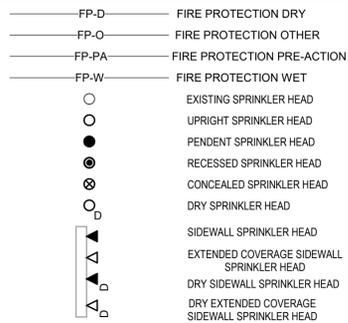
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LU: INDOOR RES/PLUMB

**DELEGATED DESIGN REQUIREMENTS**

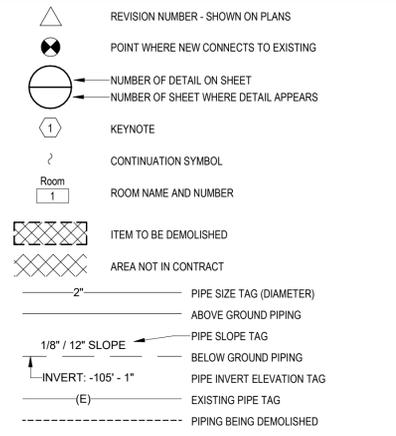
- A. THESE FIRE PROTECTION SYSTEM ENGINEERING DOCUMENTS, AS DEFINED PER F.A.C. 61G15-32.002(5), REPRESENT THE OVERALL SCOPE, DESIGN INTENT, AND COVERAGE AREA FOR THE FIRE PROTECTION SYSTEM WITHIN THE PROJECT SCOPE. DELEGATED ENGINEER IS RESPONSIBLE FOR DESIGNING A FIRE PROTECTION SYSTEM FOR THE ENTIRE BUILDING, PERMITTED AND APPROVED PER NFPA AND BY THE AUTHORITY HAVING JURISDICTION.
- B. DELEGATED ENGINEER SHALL PROVIDE FIRE PROTECTION SYSTEM LAYOUT DOCUMENTS TO THE ENGINEER OF RECORD AND AUTHORITY HAVING JURISDICTION, INCLUDING THE FOLLOWING AS APPLICABLE, BUT NOT LIMITED TO:
  - a. SPRINKLER SYSTEM DRAWINGS, INCLUDING SPRINKLER SYSTEM LAYOUT, NODE IDENTIFICATION AND NODE SPOT ELEVATIONS, HYDRAULIC CALCULATIONS AND PIPE SIZES. SIZE PIPING TO PROVIDE AN EXCESS RESIDUAL PRESSURE OF 10 PSI AT THE HYDRAULICALLY MOST DEMANDING POINT AT SYSTEM DESIGN FLOW.
  - b. SPRINKLER SYSTEM DESIGN, CALCULATIONS, DETAILED WORKSHEETS, WATER SUPPLY CURVE, AND SPRINKLER SYSTEM DEMAND CURVE.
  - c. SPRINKLER HEAD PRODUCT DATA SHEETS WITH SPECIFIC SYSTEM COMPONENTS IDENTIFIED.
  - d. ADDITIONAL SPRINKLER SYSTEM SPECIFICATIONS AS REQUIRED FOR COMPLIANCE WITH NFPA 13, CHAPTER 27 PLANS AND CALCULATIONS, PRIOR TO AUTOMATIC SPRINKLER SYSTEMS INSTALLATION.
  - e. ALL NECESSARY COMPONENTS, SYSTEMS MATERIALS, ASSEMBLIES, EQUIPMENT, AND SUPPORT SYSTEMS REQUIRED.
- C. FIRE SPRINKLER CONTRACTOR SHALL COORDINATE THE LOCATION OF RISERS, CROSS MAINS, BRANCH LINES, AND SPRINKLER HEADS WITH ALL OTHER TRADE SYSTEMS TO AVOID CONFLICTS AND MAINTAIN ARCHITECTURAL ELEMENTS OF THE BUILDING.
- D. COORDINATE SPRINKLER HEAD TYPES AND LOCATIONS WITH ARCHITECTURAL FINISHES AND OTHER CEILING MOUNTED DEVICES.

**FIRE PROTECTION SYMBOLS**



**\*NOTE\***  
ALL OF GENERAL NOTES ON THIS SHEET ARE TO BE APPLIED TO ALL OTHER DRAWINGS IN THIS SET. THE SYMBOLS AND ABBREVIATIONS SHOWN ON THIS SHEET MAY OR MAY NOT BE USED IN THIS SET OF DRAWINGS.

**GENERAL MECHANICAL SYMBOLS**



**ABBREVIATIONS**

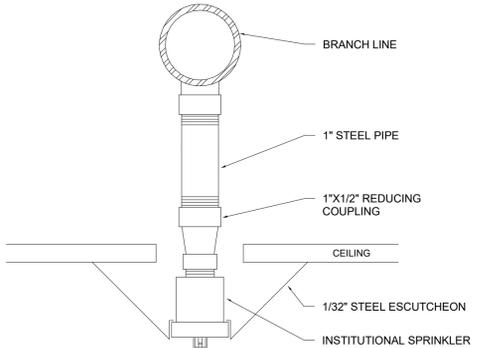
Ø	DIAMETER	INV	INVERT
ABV	ABOVE	LB	POUND
AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
ARCH	ARCHITECT/ARCHITECTURAL	MECH	MECHANICAL
BFF	BELOW FINISHED FLOOR	MIN	MINIMUM
BLW	BELOW	MISC	MISCELLANEOUS
CAP	CAPACITY	NIC	NOT IN CONTRACT
CLG	CEILING	NO	NUMBER
D	DEGREE	NTS	NOT TO SCALE
DN	DOWN	PD	PRESSURE DROP
ELEC	ELECTRICAL	PV	POST INDICATOR VALVE
F	FAHRENHEIT	PSI	POUNDS PER SQUARE INCH
FDC	FIRE DEPARTMENT CONNECTION	REC	RECESSED
FPM	FEET PER MINUTE	RM	ROOM
FT	FOOT/FEET	SF	SQUARE FOOT/FEET
GAL	GALLON	SP	STANDPIPE
GPM	GALLONS PER MINUTE	SP	STATIC PRESSURE
HYD	HYDRANT	TYP	TYPICAL
IN	INCH	UG	UNDERGROUND

**GENERAL NOTES**

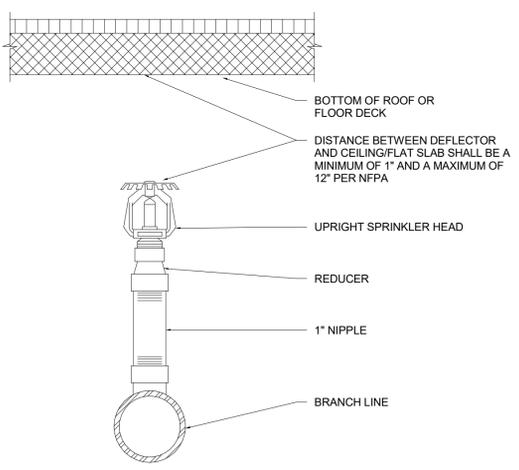
1. THESE DRAWINGS ARE DIAGRAMMATIC IN NATURE AND INDICATIVE OF WORK TO BE PROVIDED (FURNISHED AND INSTALLED) UNDER THIS CONTRACT. DRAWINGS SHOULD NOT BE SCALED.
2. CONTRACTOR SHALL NOTE ANY SPECIAL REQUIREMENTS FOR INSTALLATION OF WORK UNDER THIS CONTRACT. DISMANTLE AND REASSEMBLE EQUIPMENT AS NECESSARY FOR ENTRY INTO THE BUILDING AND THE LOCATION OF INSTALLATION.
3. THE CONTRACTOR SHALL MAINTAIN A COMPLETE PROJECT SCHEDULE AND SHALL UPDATE THIS SCHEDULE WEEKLY. ANY CHANGES SHALL BE NOTED AND AN UPDATED SCHEDULE SHALL BE PROVIDED TO THE OWNER.
4. ALL PERMITS, FEES, TAXES, ETC SHALL BE PAID BY CONTRACTOR AS PART OF THE TOTAL PROJECT COST.
5. MAINTAIN THE INTEGRITY OF ALL FLOORS AND SMOKE RATED WALLS, PARTITIONS, CEILINGS, AND FLOORS. SEAL ALL PENETRATIONS THROUGH RATED ASSEMBLIES WITH FIRESTOP MATERIAL IN ACCORDANCE WITH U.L. REQUIREMENTS TO MAINTAIN THE ASSEMBLY RATING.
6. ALL CONSTRUCTION WORK SHALL ALSO MEET THE FOLLOWING CODE REQUIREMENTS:
  - FLORIDA BUILDING CODE (FBC) 2023
  - FLORIDA EXISTING BUILDING CODE 2023
  - FBC MECHANICAL 2023
  - FBC PLUMBING 2023
  - FBC ENERGY CONSERVATION 2023
  - FLORIDA FIRE PREVENTION CODE 2023
  - NFPA 1-2021, THE UNIFORM FIRE CODE
  - NFPA 101-2021, THE LIFE SAFETY CODE
  - NFPA 51B-2019, STANDARD FOR FIRE PREVENTION DURING WELDING, CUTTING AND OTHER HOT WORK
  - NFPA 13-2019, STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
  - NFPA 70-2020, NATIONAL ELECTRICAL CODE
  - NFPA 90A-2021, STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTING SYSTEMS.
  - NFPA 241-2019, STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS.
7. CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE AND SMOKE RATED ASSEMBLY PENETRATION BY DUCTS, PIPES, OR CONDUITS, AND SHALL DISPLAY THESE DRAWINGS ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
8. CONTRACTOR SHALL REFER TO ALL DETAILS FOR PROPER GUIDANCE.
9. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND EQUIPMENT SUBMITTALS FOR ALL PRODUCTS USED ON PROJECT.
10. THE ENGINEER'S APPROVAL OF SUBMITTAL DATA SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR DEVIATIONS FROM THE REQUIREMENTS OF CONTRACT DOCUMENTS UNLESS THE CONTRACTOR HAS RECEIVED WRITTEN APPROVAL FROM THE ENGINEER TO THE SPECIFIC DEVIATION. THE ENGINEER'S APPROVAL OF SUBMITTAL DATA SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN HIS OR HER SUBMITTAL DATA.
11. THE CONTRACTOR IS REQUIRED TO SUBMIT THREE COMPLETE O&M MANUALS IN THREE RING BINDERS AT SUBSTANTIAL COMPLETION. MANUALS SHALL INCLUDE INSTALLATION AND MAINTENANCE DATA ON ALL NEW EQUIPMENT AND MATERIALS, CERTIFIED TECHNICAL PRODUCT DATA, EQUIPMENT SHOP DRAWINGS, SPARE PARTS DATA, ETC. PROVIDE AN INDEX AND ASSOCIATED DIVIDERS.
12. CLOSE OUT DOCUMENTS: THE CONTRACTOR IS TO MAINTAIN ONE SET OF CONSTRUCTION DRAWINGS ON SITE AND KEEP CURRENT WITH MARK UP AS-BUILT CONDITIONS DURING CONSTRUCTION OF THE PROJECT. THIS SET IS TO INCLUDE ALL CONTRACT CHANGES, MODIFICATIONS AND CLARIFICATIONS. THIS SET ALONG WITH ALL SHOP DRAWINGS SHALL BE TURNED OVER TO THE ARCHITECT/ENGINEER AFTER CONSTRUCTION COMPLETION.
13. IT IS THE RESPONSIBILITY OF ALL BIDDERS TO THOROUGHLY REVIEW AND UNDERSTAND ALL CONSTRUCTION DOCUMENTS. THIS INCLUDES BUT IS NOT LIMITED TO ALL DRAWINGS, SPECIFICATION SECTIONS, ETC. THE DRAWINGS ARE SCHEMATIC IN NATURE. THEREFORE BEFORE STARTING ANY WORK, THE CONTRACTOR SHALL REVIEW ALL OTHER CONSTRUCTION DOCUMENTS, VERIFY FIELD CONDITIONS AND SHALL MAKE ANY REQUIRED MINOR ADJUSTMENTS WITHOUT EXTRA COST TO THE OWNER. ANY MAJOR DISCREPANCIES FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER. THE BASE BID SHALL REFLECT THE TOTAL COST OF NEW EQUIPMENT INSTALLATION. THIS INCLUDES LABOR, EQUIPMENT AND MATERIALS. NO CHANGE ORDERS SHALL BE ISSUED WITHOUT WRITTEN CONSENT AND APPROVAL FROM ENGINEER AND ARCHITECT.

**FIRE PROTECTION NOTES**

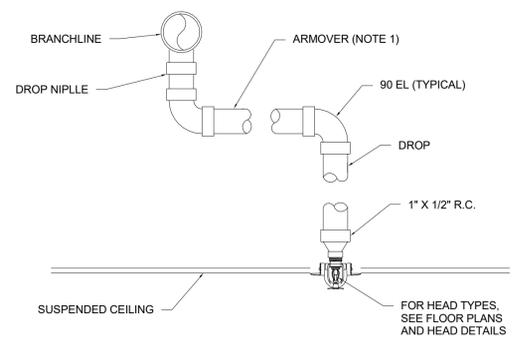
- A. THE SYSTEM SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS AND AS PER REQUIREMENTS OF THE STATE BUILDING CODE, LOCAL FIRE DEPARTMENT, AND ALL FEDERAL, STATE, AND LOCAL AUTHORITIES, NFPA, AND FACTORY MUTUAL.
- B. THIS CONTRACTOR SHALL COORDINATE PHASING OF SPRINKLER WORK WITH THE GENERAL CONTRACTOR PRIOR TO STARTING WORK.
- C. PROVIDE A COMPLETE WET/DRY TYPE FIRE PROTECTION SYSTEM AS REQUIRED TO ACCOMMODATE THE FLOOR PLAN AND CEILING TYPES INCLUDING MAINS, BRANCHES, HEADS, VALVES, AND ACCESSORIES AS REQUIRED. THE SYSTEM SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS OF THE STATE BUILDING CODE, LOCAL FIRE DEPARTMENT, AND ALL FEDERAL, STATE, AND LOCAL AUTHORITIES, NFPA, AND FACTORY MUTUAL.
- D. TH SPRINKLER SYSTEM SHALL BE DESIGNED BASED UPON ACTUAL WATER FLOW TEST DATA OBTAINED AT OR NEAR THE JOB SITE.
- E. REFER TO REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION REGARDING SPRINKLER HEAD LOCATION AND PIPE, UNLESS NOTED OTHERWISE.
- F. DIVISION 21 CONTRACTOR SHALL COORDINATE WITH THE ELECTRICAL CONTRACTOR FOR PROPER INSTALLATION OF THE FIRE PROTECTION SYSTEMS ALARM DEVICES INVOLVED WITH FIRE SPRINKLER SYSTEM.
- G. ALL SPRINKLER SYSTEM PIPING SHALL BE CONCEALED ABOVE THE SUSPENDED CEILING SYSTEM, UNLESS NOTED OTHERWISE. WRITTEN AUTHORIZATION SHALL BE OBTAINED FROM THE ARCHITECT PRIOR TO EXPOSING ANY PIPING IN ANY ROOM WHICH HAS A SUSPENDED CEILING.
- H. CONTRACTOR SHALL PROVIDE ALL ADDITIONAL SPRINKLER HEADS AS REQUIRED TO ENSURE AN APPROVED FIRE PROTECTION SYSTEM AT NO ADDITIONAL COST TO THE OWNER.
- I. AUXILIARY DRAINS SHALL BE EXPOSED WITH 1" DRAIN VALVES. WHEN 5 OR MORE GALLONS ARE TRAPPED, THIS CONTRACTOR SHALL PROVIDE FIXED PIPING TO AN ADEQUATELY SIZED RECEPTOR WHICH IS CAPABLE OF ACCEPTING THE FULL FLOW OF THE DRAIN. WHEN LESS THAN 5 GALLONS ARE TRAPPED, A HOSE BIB SHALL BE PROVIDED AT THE DRAIN VALVE.
- J. AUXILIARY DRAINS SHALL NOT BE LOCATED ABOVE PLASTER OR GYPSUM BOARD CEILING SYSTEMS. ONLY BY A SPECIFIC WRITTEN INSTRUCTION FROM THE ENGINEER WILL A VARIANCE BE PROVIDED.
- K. AN INSPECTOR'S TEST CONNECTION SHALL BE PROVIDED FOR EACH FIRE SPRINKLER ZONE. THIS CONTRACTOR SHALL PROVIDE FIXED PIPING FROM THE TEST CONNECTION TO AN ADEQUATELY SIZED RECEPTOR WHICH IS CAPABLE OF ACCEPTING THE FULL FLOW OF THE TEST. EXTERIOR DISCHARGE OF THE TEST CONNECTION SHALL BE PERMITTED ONLY BY SPECIFIC WRITTEN INSTRUCTION FROM THE ENGINEER.
- L. SHOW ALL ROOM NUMBERS ON SHOP DRAWING PLANS.
- M. ROUTE SPRINKLER PIPING SUCH THAT IT DOES NOT RUN ABOVE ELECTRICAL PANELS, SWITCHGEAR, OR SIMILAR EQUIPMENT. SPRINKLER MAINS SHALL NOT RUN THROUGH ELECTRICAL OR COMMUNICATION ROOMS. SPRINKLER HEADS IN THESE ROOMS SHALL BE SERVED BY A DEDICATED BRANCH LINE FOR EACH ROOM.
- N. THIS DRAWING SET INDICATES A GENERAL PIPING ARRANGEMENT AND DETERMINE SIZING ONLY. THE FIRE PROTECTION CONTRACTOR SHALL DETERMINE THE ACTUAL PIPE SIZING REQUIRED AND COORDINATE WORK WITH ALL OTHER TRADES TO AVOID CONFLICTS.
- O. THE FIRE PROTECTION CONTRACTOR SHALL PREPARE HYDRAULIC CALCULATIONS BASED UPON THE CONFIGURATION OF THE ACTUAL SYSTEM DESIGN AS SHOWN ON THIS CONTRACTOR'S SHOP DRAWINGS.
- P. COORDINATE AND PROVIDE AUTOMATIC AIR VENTS AND ASSOCIATED RELIEF PIPING FOR EACH SPRINKLER SYSTEM WITHIN BUILDING.
- Q. FORWARD FLOW TESTING OF BACKFLOW PREVENT SHALL BE ACCOMPLISHED AT BACKFLOW PREVENTER. REFER TO DETAILS FOR MORE INFORMATION.



**2 INSTITUTIONAL PENDENT SPRINKLER HEAD N.T.S.**



**3 UPRIGHT SPRINKLER HEAD DETAIL N.T.S.**



**NOTE:**  
1. PROVIDE HANGER FOR ARMOVERS GREATER THAN 24" IN LENGTH.

**1 SWING ARM ASSEMBLY DETAIL N.T.S.**

**FIRE PROTECTION SPRINKLER SYSTEM DESIGN CRITERIA**

HAZARD SYMBOL	SPACE TYPE	HAZARD CLASSIFICATION	SYSTEM TYPE	DISCHARGE DENSITY	REMOTE AREA	MAXIMUM COVERAGE AREA PER SPRINKLER	MAXIMUM SPACING	WATER SUPPLY DURATION	OUTSIDE HOSE ALLOWANCE	TEMPERATURE CLASSIFICATION	SPRINKLER TYPE	NOTES
				GPM/FT²	FT²	FT²	FT.	MINUTES	GPM			
	GENERAL, EXCEPT AS LISTED BELOW	LIGHT HAZARD	WET PIPE	0.10	1,500	225	15	30	100	ORDINARY	INSTITUTIONAL PENDENT OR UPRIGHT, QUICK RESPONSE, UL LISTED	1
	ELECTRICAL ROOM	ORDINARY HAZARD GROUP 1	WET PIPE	0.15	1,500	130	15	60-90	250	INTERMEDIATE	INSTITUTIONAL PENDENT OR UPRIGHT, QUICK RESPONSE, UL LISTED	1
	JAN CLOSET, STORAGE	ORDINARY HAZARD GROUP 2	WET PIPE	0.20	1,500	130	15	60-90	250	ORDINARY	INSTITUTIONAL PENDENT OR UPRIGHT, QUICK RESPONSE, UL LISTED	1

**NOTES:**  
1. WATER DEMAND REQUIREMENTS ARE FOR HYDRAULIC CALCULATION METHOD. IF OTHER METHOD IS USED ADJUST VALUES ACCORDING TO NFPA 13 REQUIREMENTS.



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TAMPA, FLORIDA 33619

NOTES & LEGENDS - FIRE PROTECTION - JIA

#	ISSUED FOR	DATE
	OS - JIA	06.20.24
	75% - JIA	07.26.24
	PERMIT/BID	08.20.24
	ADDENDUM #1	09.04.24

DRAWN BY: JTD  
REVIEW BY: NPS

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**FIRE PROTECTION SHEET LIST**

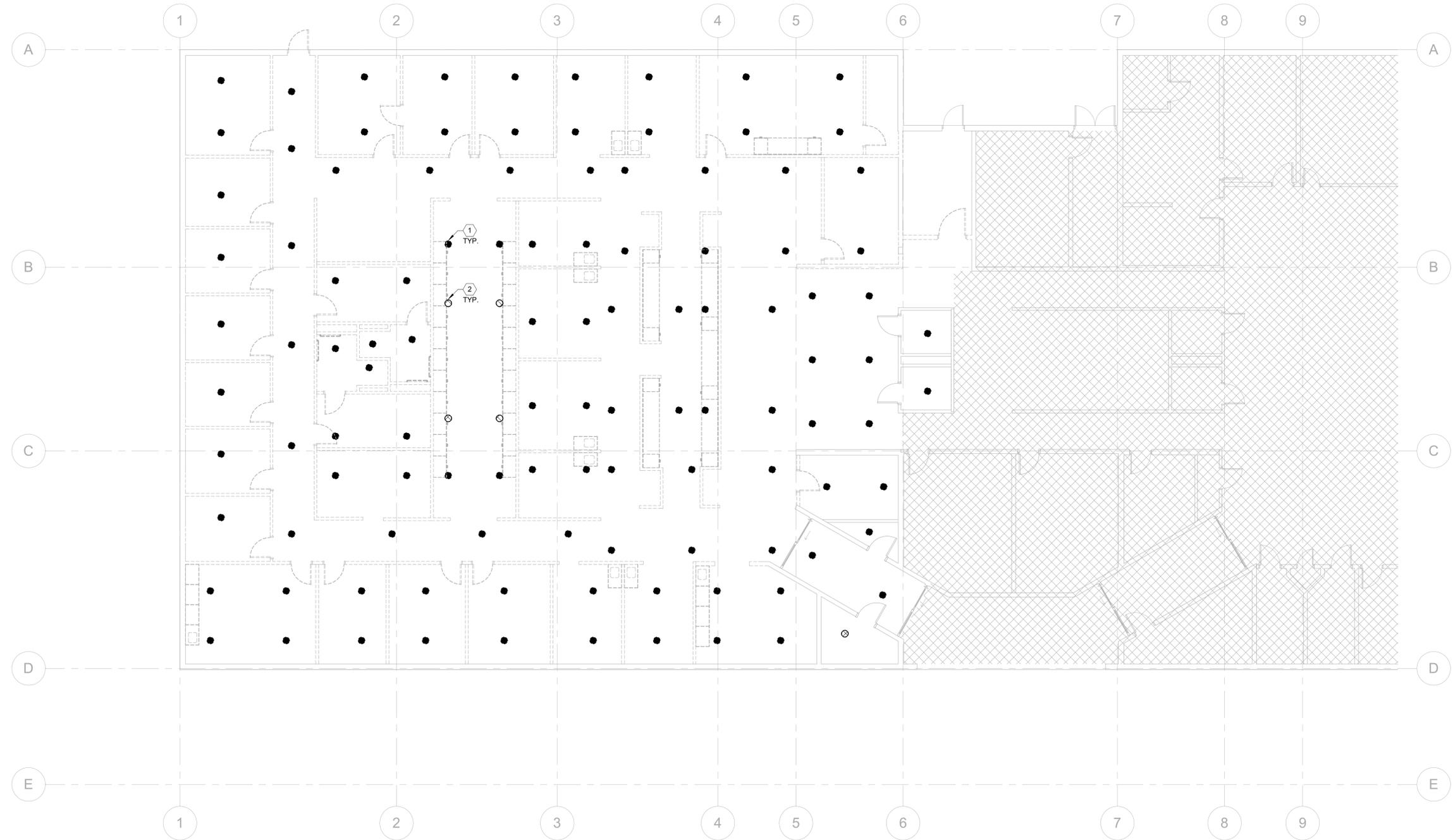
Sheet Number	Sheet Name
F001A	NOTES & LEGENDS - FIRE PROTECTION - JIA
FD101A	FIRE PROTECTION DEMOLITION PLAN - JIA
F101A	FIRE PROTECTION RENOVATION PLAN - JIA

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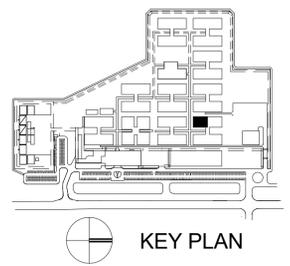
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#	KEYNOTES
1	REMOVE AND PROPERLY DISPOSE OF ALL UPRIGHT FIRE SPRINKLERS WITHIN JIA.
2	REMOVE AND PROPERLY DISPOSE OF ALL PENDENT FIRE SPRINKLERS WITHIN JIA.

- FIRE PROTECTION GENERAL NOTES**
- A. CONTRACTOR TO FIELD VERIFY ALL CONNECTION POINTS TO EXISTING SYSTEM PIPING.
  - B. FIRE SUPPRESSION SYSTEM SHALL REMAIN ACTIVE DURING CONSTRUCTION UNTIL NEW SPRINKLERS ARE READY TO INSTALL. PROVIDE TEMPORARY UPRIGHT SPRINKLER HEADS TO PROTECT SPACES WHERE CEILINGS ARE REMOVED FOR CONSTRUCTION AND UNTIL NEW CEILINGS ARE INSTALLED AND NEW DROPS TO NEW PENDENT SPRINKLERS ARE INSTALLED.
  - C. PROVIDE FIRE WATCH WITHIN SPACE COMPLIANT WITH NFPA 25 WHEN SERVICE INTERRUPTIONS EXCEED 10 HOURS WITHIN A 24 HOUR PERIOD.
  - D. ALL EXISTING FIRE PIPING SERVING SPRINKLERS IN AREAS BEYOND LIMITS OF CONSTRUCTION TO BE MAINTAINED.



**1 FIRE PROTECTION DEMOLITION PLAN - JIA**  
1/8" = 1'-0"



#	ISSUED FOR	DATE
	05 - JIA	06.20.24
	75% - JIA	07.26.24
	PERMIT/BID	08.20.24
	ADDENDUM #1	09.03.24

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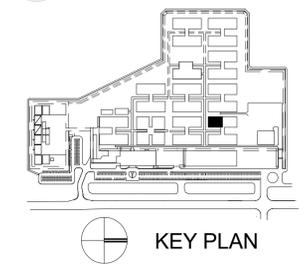
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FIRE PROTECTION DESIGN CRITERIA	
HAZARD SYMBOL	HAZARD CLASSIFICATION
	LIGHT HAZARD
	ORDINARY HAZARD GROUP 1
	ORDINARY HAZARD GROUP 2
	OUT OF SCOPE

- FIRE PROTECTION GENERAL NOTES**
- CONTRACTOR TO FIELD VERIFY ALL CONNECTION POINTS TO EXISTING SYSTEM PIPING.
  - FIRE SUPPRESSION SYSTEM SHALL REMAIN ACTIVE DURING CONSTRUCTION UNTIL NEW SPRINKLERS ARE READY TO INSTALL. PROVIDE TEMPORARY UPRIGHT SPRINKLER HEADS TO PROTECT SPACES WHERE CEILINGS ARE REMOVED FOR CONSTRUCTION AND UNTIL NEW CEILINGS ARE INSTALLED AND NEW DROPS TO NEW PENDENT SPRINKLERS ARE INSTALLED.
  - PROVIDE FIRE WATCH WITHIN SPACE COMPLIANT WITH NFPA 25 WHEN SERVICE INTERRUPTIONS EXCEED 10 HOURS WITHIN A 24 HOUR PERIOD.
  - ALL EXISTING FIRE PIPING SERVING SPRINKLERS IN AREAS BEYOND LIMITS OF CONSTRUCTION TO BE MAINTAINED.



**1 FIRE PROTECTION RENOVATION PLAN - JIA**  
1/8" = 1'-0"



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**FIRE PROTECTION RENOVATION PLAN - JIA**

#	ISSUED FOR	DATE
	05 - JIA	06-20-24
	75% - JIA	07-26-24
	PERMIT/BID	08-20-24
	ADDENDUM #1	09-03-24

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