















AFV	above	FIN	finish (ed)	OBS	obscure
AFV	above finish floor	FFE	finished floor elevation	OC	on center (s)
AS	above suspended ceiling	FFL	finished floor line	OCB	obscure
AC	access	FA	fire alarm	OPG	opening
ACFL	access floor	FBRK	fire brick	OPJ	open-weld joint
AC	access panel	FE	fire extinguisher	OPP	opposite
AC	acoustical	FEC	fire extinguisher cabinet	OPH	opposite hand
ACA	acoustical plaster	FHS	fire hose station	OPS	opposite surface
AC	acoustical tile	FRL	fireproof	OTD	outside diameter
ACH	acrylic plastic	FR	fireproof	OHMS	overall machine size
AD	adhesive	FRC	fire-resistant coating	OHWS	overall wood screw
ADJ	adjacent	FRT	fire-retardant	OA	overall
ADJ	adjustable	FLG	flashing	OH	overhead
AGG	aggregate	FHMS	flashed machine screw	PH	panel (ed)
AC	air conditioning	FHWS	flashed wood screw	PNL	panel
ALT	alternating	FLX	flexible	PB	panic bar
AL	aluminum	FLR	floor (ing)	PTD	power towel dispenser
ANC	anchor, anchorage	FLO	floor cleanout	PTR	power towel dispenser
ANOD	anodized	FD	door drain	PAR	parallel
APX	approximate	FL	floor plate	PH	ph
ARCH	architect (unit)	FLR	floor fluorescent	PBD	particle board
AD	area drain	FTJ	flush joint	PTM	partition
ASB	asbestos	FTG	footing	PTD	part (ed) (ing)
ASPH	asphalt	FRT	forged	PVT	pavement
AT	asphalt tile	FND	foundation	PER	pedestal
AUTO	automatic	FR	frame (d) (ing)	PERF	perfect
BLM	black plaster (ed)	FR	fresh air	PERI	perimeter
BSMT	basement	FBS	full size	PLAS	plaster
BRT	bearing	FBS	furnished by others	PLM	plywood laminate
BRL	bearing plate	FUR	furred (ing)	PL	plate
BJ	bed joint	FUT	future	PLG	plate glass
BM	bench mark	GA	galne, gauge	PWD	pwood
BT	below	GV	galvanized	PT	point
BET	between	GL	galvanized iron	PVC	polyvinyl chloride
BK	block	GSS	galvanized steel sheet	PVC	polyvinyl chloride
BLV	beveled	G	gasket (ed)	PVC	polyvinyl chloride
BL	blumorous	GC	general contract (or)	PVC	polyvinyl chloride
BLK	block	GL	glass, glazing	PSF	pounds per cubic foot
BLW	blocking	GLB	glass block	PSF	pounds per cubic foot
BWG	both ways	GLF	glass floor	PSF	pounds per square inch
BR	bottom	GMUJ	graded concrete masonry units	PFB	prefabricated (d)
BRK	break	GB	grab bar	PFC	prefinished
BRZ	bronze	GO	grade, grading	PRF	preformed
BLD	building	GRN	gravel	PSC	prestressed concrete
BUR	buried up roofing	GVL	granite	P	property line
BUL	bulletin board	GR	grout	Q	quarry tile
CAB	cabinet	GVF	grout face	RBT	rabbit, rebate
CAD	cadmium	GT	gravel	R	radius
CPT	carpet (ed)	GPWD	gypsum dry wall	RNC	rain (ing)
INT	carpet	GPL	gypsum half	RWC	rainwater conductor
CIP	cast-in-place concrete	GPL	gypsum plaster	REF	reference
CST	cast iron	GPT	gypsum tile	REF	reflect (ed),(ive)(or)
CB	cast basin	HH	hardwood	RFR	refrigerator
CK	call (ing) caulk (ing)	HBD	hardboard	REG	register
CLG	clack	HWD	hardwood	REC	reinforce (d), (ing)
CHT	ceiling height	HWO	hardware	RCP	reinforced concrete
CMT	cement	HD	head joint	RE	removing
CER	ceramic	HDR	header	RES	resilient
CER	ceramic tile	HTG	heating	RET	return
CEM	ceramic (tile)	HVAC	heating/ventilation/air conditioning	RE	return
CEM	ceramic mosaic (tile)	HD	heavy duty	REV	reverse (d), (ing)
CKBD	chamberboard	HT	height	RVS	reverse (s), (ing), reversed
CHM	chamfer	HX	hexagonal	RH	right hand
CR	chromium (plated)	HES	high early-strength	ROW	right of way
CIR	circle	HC	hollow core	R	rise
CIRC	circumference	HM	hollow metal	RVT	roof vent
CLS	clear (ance)	HK	hook (s)	RFD	roof drain
CLR	clear	HR	horizontal	RH	roof hatch
CLC	clearance	HB	hose bibb	RB	rubber
CLN	clean	HWH	hot water heater	RO	rough opening
COMB	combination	INC	incinerator	RB	rubber base
COMP	compartment	INC	include (d), (ing)	RBL	rubber stone
COMP	composition (composite)	INS	insulating concrete	SPGL	safety glass
COMP	compress (ed), (ion), (ible)	INSF	insulating film	SC	screen
CON	concrete	INT	interior	SGT	sealant
CMU	concrete masonry unit	INT	interlock	STC	section
CC	connection	INTM	intermediate	SSK	sewage sink
CON	construction	INV	invert	SH	shear
CONT	continuous or continue	IPS	iron pipe size	SHTH	sheathing
CON	contract (or)	J	janitor's closet	SH	sheet
CTL	control limit line	JP	joint	SG	sheet glass
CJT	control joint	JF	joint filler	SH	shelving
CPR	copper	J	joint	SHO	shore (d), (ing)
CPL	corrugated	K	keener's cement plaster	SIM	similar
CPS	countersink	KCP	kickplate	SKL	sightly
CPL	countersinking	KIT	kitchen	SL	sleeve
CNS	countersink	KC	knockout	SC	score
CRS	course (s)				

CONFORM TO THE 2018 INTERNATIONAL BUILDING CODE.	
2. ALL ASTM STANDARDS LISTED HERE WITHIN, SHALL BE AS REFERENCED IN THE LATEST ISSUE OF THE ANNUAL BOOK OF STANDARDS OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS	
3. THE CONTRACTOR, SHALL FIELD VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS BEFORE BEGINNING WORK. THE ARCHITECT AND ENGINEER, SHALL IMMEDIATELY BE NOTIFIED IN WRITING OF ANY DISCREPANCIES. THE CONTRACTOR SHALL CAREFULLY STUDY AND COORDINATE THE MECHANICAL, PLUMBING, AND ELECTRICAL SYSTEMS WITH THE ARCHITECTURAL WORK PRIOR TO INSTALLATION AND SHALL NOTIFY THE ARCHITECT IN WRITING OF ALL APPARENT INCONSISTENCIES FOR CLARIFICATION.	
4. ALL OMISSIONS AND OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND SPECIFICATIONS, SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT OR ENGINEER. WORK SHOULD NOT PROCEED UNTIL A SOLUTION IS GIVEN BY THE ARCHITECT OR ENGINEER.	
5. IN CASE OF CONFLICTS BETWEEN GENERAL NOTES AND DETAILS, THE DETAILS, SHALL TAKE PRECEDENCE OVER THE GENERAL NOTES. TYPICAL DETAILS, SHALL BE USED WHENEVER APPLICABLE. REFER TO SPECIFICATIONS FOR INFORMATION NOT COVERED BY THESE NOTES OR DRAWINGS.	
6. IF A SPECIFIC DETAIL IS NOT SHOWN FOR ANY PART OF WORK, THE CONSTRUCTION, SHALL BE THE SAME AS FOR SIMILAR WORK.	
7. COORDINATE FOUNDATION PLANS AND MECHANICAL DRAWINGS, FOR ALL OPENINGS, INSERTS AND OTHER RELATED ITEMS.	
8. DIMENSIONS ARE TO FINISH FACE OF WALLS UNLESS NOTED OTHERWISE.	
9. ADDITIONAL MISCELLANEOUS STEEL ITEMS NOT SHOWN ON STRUCTURAL DRAWINGS MAY BE REQUIRED. GENERAL CONTRACTOR AND FABRICATOR SHALL COORDINATE ALL REQUIREMENTS AND SHALL NOTIFY THE ARCHITECT IN WRITING OF ALL APPARENT INCONSISTENCIES FOR CLARIFICATION. (SUCH AS SIMPSON STRONG TIES)	
10. DO NOT DIMENSION THIS DRAWING. ANY DIMENSIONS, QUESTIONS, SHOULD BE DIRECTED TO THE ARCHITECT OR ENGINEER.	
MATERIALS LEGEND	
	CONTINUOUS WOOD BLOCKING
	NON-CONTINUOUS WOOD BLOCKING (SHIM)
	STEEL
	GYPSUM BOARD
	PLYWOOD
	RIGID INSULATION
	BATT INSULATION
	CONCRETE MASONRY UNITS
SYMBOLS	
	ELEVATION SYMBOL
	SECTION/DETAIL SYMBOL
	WALL TYPE SYMBOL
	WINDOW SYMBOL
	ROOM NAME & NUMBER SYMBOL FINISH NUMBER
	DOOR SYMBOL
PROJECT CONTACTS	
OWNER: STARR COUNTY	THE COUNTY OF STARR 100 N. FM 3187 RIO GRANDE CITY, TX 78582 (956)-716-4800
ARCHITECT: RUDY MOLINA, A.I.A.	MILNET ARCHITECTURAL SERVICES 608 S. 12th STREET McALLEN, TEXAS 78501 (956) 688-5656
MEP: FERNANDO GONZALEZ	GSH ENGINEERING LLC 900 E. BEECH AVE. McALLEN, TX 78501 (956)-631-0529

OWNER:  
STARR COUNTY

THE COUNTY OF STARR  
100 N. FM 3167  
RIO GRANDE CITY, TX 78582  
(956)-716-4800

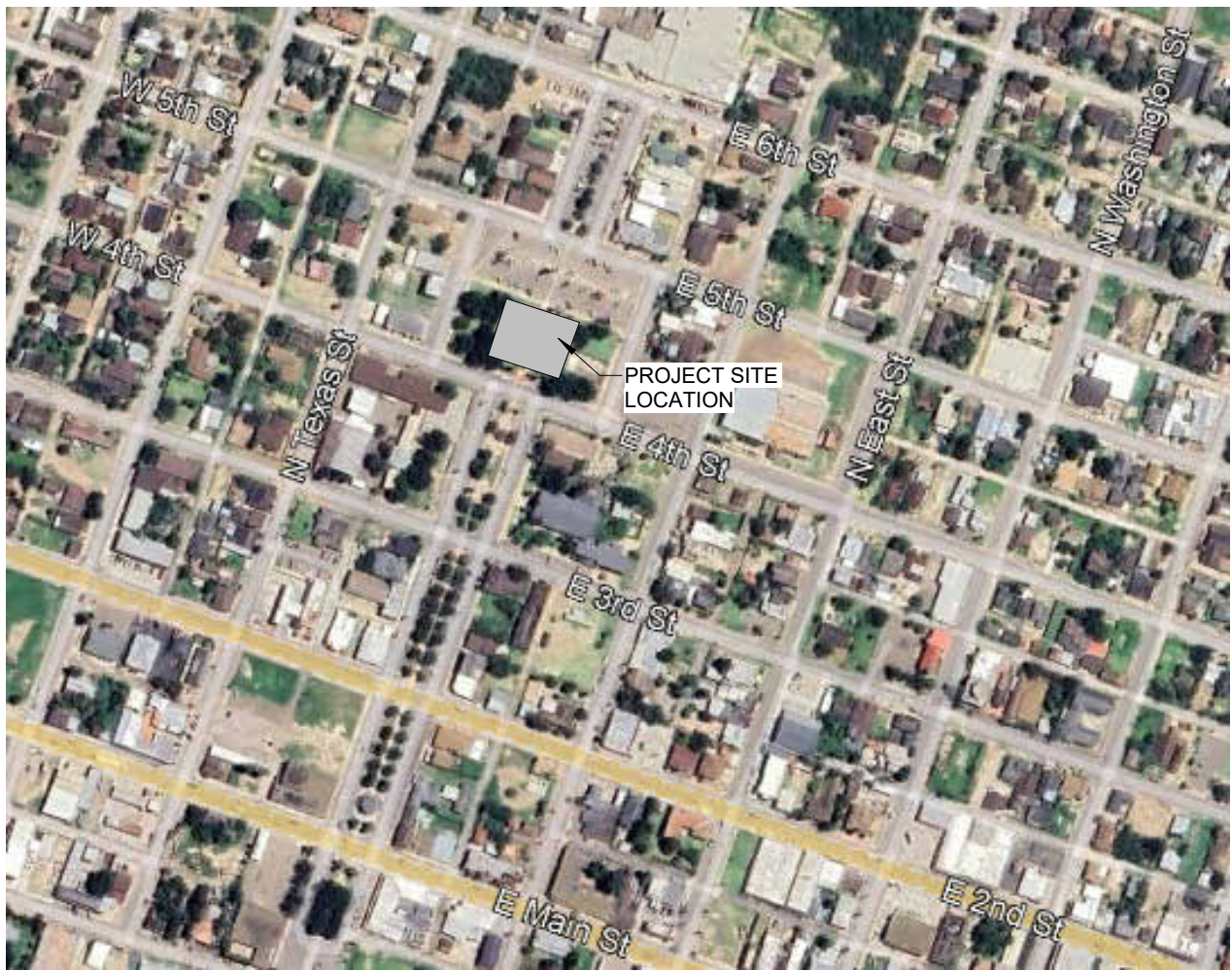
ARCHITECT:  
RUDY MOLINA, A.I.A.

MILNET ARCHITECTURAL SERVICES  
608 S. 12th STREET  
MC ALLEN, TEXAS 78501  
(956) 688-5656

PREPARED BY:  
FERNANDO GONZALEZ

GSH ENGINEERING LLC  
900 E. BEECH AVE  
MCALLEN, TX 78501  
(956)-631-0529

ARCHITECTURAL	
A0.0	COVER SHEET
ASD1.0	DEMO SITE PLAN
D1.0	DEMO PLAN
D1.1	REFLECTED CEILING DEMO PLAN
AS1.0	OVERALL SITE PLAN
A1.0	FLOOR PLAN
A4.0	REFLECTED CEILING PLAN
A7.0	SCHEDULES
A8.0	ADA DETAILS
MPF1.0	SYMBOL SHEET
MECHANICAL	
M1.1	MECHANICAL PLAN
PLUMBING	
P1.1	PLUMBING PLAN
P1.2	PLUMBING EXTERIOR PLAN
P2.1	PLUMBING DETAILS
ELECTRICAL	
E1.1	ELECTRICAL LIGHTING PLAN
E1.2	ELECTRICAL EXTERIOR LIGHTING PLAN
E2.1	ELECTRICAL POWER PLAN



02/05/2025

STARR COUNTY  
JUVENILE DETENTION CENTER  
UPGRADES  
401 BRITTON AVE RIO GRANDE CITY, TX  
78582

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78582

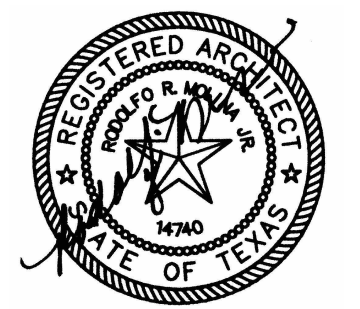
PROJECT NUMBER  
224028

DATE  
02/05/2025

ISSUE FOR BIDS

SHEET NUMBER  
A0.0





02/05/2025

STARR COUNTY  
JUVENILE DETENTION CENTER  
UPGRADES  
401 BRITTON AVE. RIO GRANDE CITY,  
TX 78582

PROJECT NUMBER  
224028

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02/05/2025

ISSUE FOR BIDS

SHEET NUMBER

ASD1.0

DEMO LEGEND

- DENOTES EXISTING TO BE DEMOLISHED  
--- DENOTES EXISTING TO REMAIN

DEMO KEYNOTES

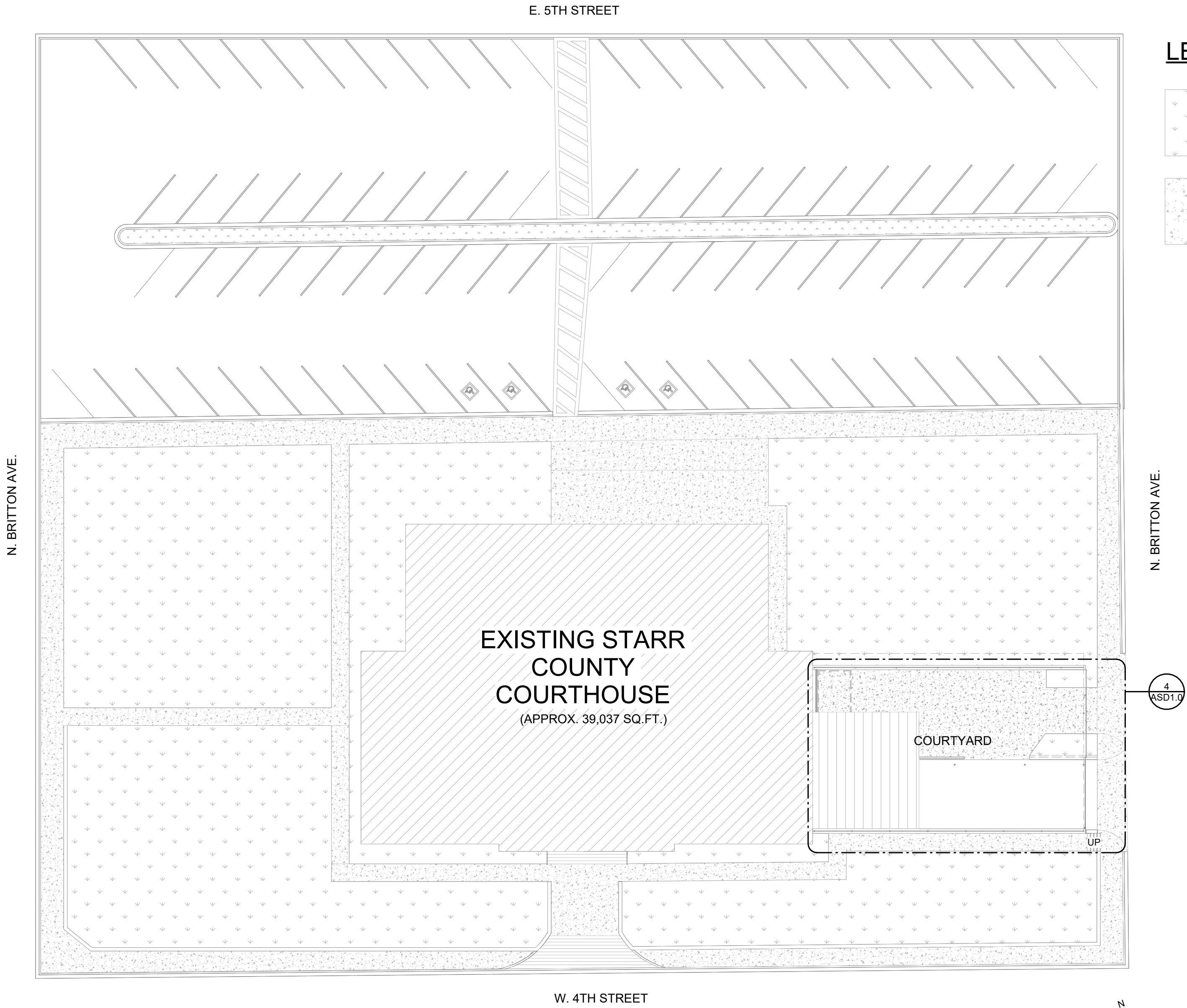
- D1 EXISTING WALL TO BE REMOVED  
D2 EXISTING STORAGE ENCLOSURE TO BE REMOVED  
D3 EXISTING DRAIN TO BE INSPECTED & REPAIRED, RE: MEP

DEMOLITION GENERAL NOTES:

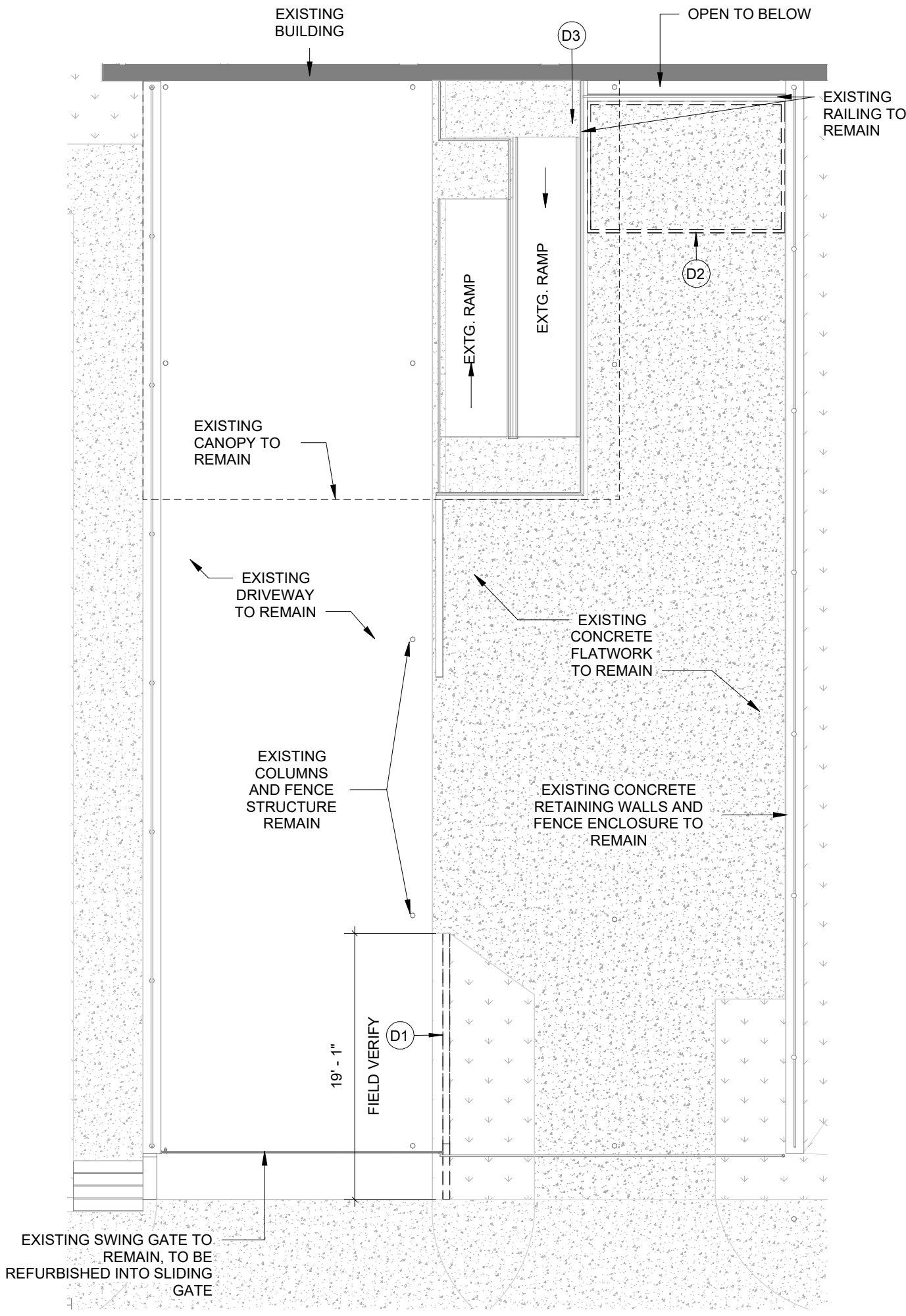
- GENERAL CONTRACTOR SHALL VISIT THE SITE TO FAMILIARIZE THEMSELVES WITH THE SCOPE OF WORK AND TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING THIS PROJECT. ANY DISCREPANCIES OR AMBIGUOUS ITEMS MUST BE REPORTED TO THE ARCHITECT PRIOR TO BIDDING FOR CLARIFICATION.
- REFER TO MEP DRAWINGS FOR ADDITIONAL DEMOLITION AND ALTERATION NOTES.
- THE OWNER HAS FIRST RIGHT OF SALVAGE OF ALL FIXTURES, EQUIPMENT, & BUILDING MATERIALS REMOVED AS PART OF THIS CONTRACT, AND SHALL NOT BE REUSED IN THE NEW CONSTRUCTION UNLESS OTHERWISE NOTED OR DIRECTED IN WRITING. REMOVE ALL OTHER DEBRIS AND WASTE FROM THE SITE AND DISPOSE OF PROPERLY, IN ACCORDANCE WITH FEDERAL, STATE, & LOCAL REGULATIONS.
- ANY EXISTING CONSTRUCTION THAT IS TO BE REMOVED, SHALL BE REMOVED CAREFULLY SO AS NOT TO DAMAGE ANY EXISTING CONSTRUCTION THAT IS TO REMAIN. FLOORS, WALLS, AND CEILINGS ARE TO BE PATCHED TO MATCH EXISTING CONDITIONS AND MADE READY TO RECEIVE ANY NEW FINISHES WHERE APPLICABLE.
- CONTRACTOR SHALL MAINTAIN BUILDING INTEGRITY, BUILDING SECURITY, AND WEATHER-TIGHT BUILDING ENVELOPE (TO INCLUDE EXTERIOR WALL(S), ROOF, EXTERIOR OPENINGS, ETC.) DURING CONSTRUCTION. CONTRACTOR TO COORDINATE BUILDING ACCESS WITH OWNER.
- PROVIDE TEMPORARY DUSTPROOF PARTITIONS AS REQUIRED TO PROTECT ALL EXISTING AREAS FROM DAMAGE DUE TO DEMOLITION OR NEW CONSTRUCTION.
- PATCH AND REPAIR ALL DAMAGED SURFACES TO MATCH EXISTING SURFACES WHERE REMOVED OR ALTERED. FIELD VERIFY EXTENT OF REQUIRED REPAIRS.
- PROVIDE TEMPORARY BRACING AND SHORING OF EXISTING STRUCTURAL ELEMENTS AS REQUIRED FOR DEMOLITION OR NEW CONSTRUCTION UNTIL STRUCTURAL SYSTEMS AND MODIFICATIONS ARE SECURE AND IN PLACE.
- REMOVE EXISTING ITEMS AS INDICATED ON PLANS. CUT AND REMOVE AS REQUIRED TO LEAVE A CLEAN EDGE ON REMAINING WORK.
- COORDINATE ALL WORK WITH OWNER TO MINIMIZE DISRUPTION TO EXISTING FACILITIES OPERATIONS.
- CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO START OF DEMOLITION. PROTECT ALL UTILITIES TO REMAIN IN SERVICE.
- THE WORD "REMOVE" MEANS TO DEMOLISH, REMOVE AND DISPOSE OF AS PER DEMO SPECIFICATIONS.

LEGEND

- EXISTING GREEN AREA  
EXISTING CONCRETE SIDEWALKS



1 DEMO SITE PLAN  
1" = 20'-0"



4 ENLARGED DEMO COURTYARD  
1/8" = 1'-0"



DEMOLITION GENERAL NOTES:

1. GENERAL. CONTRACTOR SHALL VISIT THE SITE TO FAMILIARIZE THEMSELVES WITH THE SCOPE OF WORK AND TO FIELD VERIFY EXISTING CONDITIONS PRIOR TO BIDDING THIS PROJECT. ANY DISCREPANCIES OR AMBIGUOUS ITEMS MUST BE REPORTED TO THE ARCHITECT PRIOR TO BIDDING FOR CLARIFICATION.
2. REFER TO STRUCTURAL & MEP DRAWINGS FOR ADDITIONAL DEMOLITION AND ALTERATION NOTES.
3. THE OWNER HAS FIRST RIGHT OF SALVAGE OF ALL DOORS, FRAMES, & BUILDING MATERIALS REMOVED AS PART OF THIS CONTRACT, AND SHALL NOT BE REUSED IN THE NEW CONSTRUCTION UNLESS OTHERWISE NOTED OR DIRECTED IN WRITING. REMOVE ALL OTHER DEBRIS AND WASTE FROM THE SITE AND DISPOSE OF PROPERLY, IN ACCORDANCE WITH FEDERAL, STATE, & LOCAL REGULATIONS.
4. FIELD VERIFY LOCATIONS OF ALL INTERCOM SPEAKERS, PLUGS, SWITCHES, HOSE BIBS, LIGHTS AND CONTROLS PRIOR TO DEMOLITION. THESE SYSTEMS MUST BE PUT BACK IN ORIGINAL AND FUNCTIONING CONDITION AFTER NEW CONSTRUCTION IS COMPLETE. REPLACE, PATCH, OR REPAIR ANY DAMAGED EXISTING COMPONENTS OR SYSTEMS, WHICH ARE INTERRUPTED OR DISTURBED.
5. STRUCTURAL INTEGRITY: UNLESS OTHERWISE INDICATED ON THE STRUCTURAL OR ARCHITECTURAL DRAWINGS, NEW OPENINGS CUT INTO EXISTING MASONRY WALLS, WHETHER BEARING OR NON-BEARING, SHALL RECEIVE LOOSE LINTELS WITH 8" BEARING AS A MINIMUM. REFER TO STRUCTURAL DRAWINGS AND NOTES FOR ADDITIONAL REQUIREMENTS.
6. ANY EXISTING CONSTRUCTION THAT IS TO BE REMOVED, SHALL BE REMOVED CAREFULLY SO AS NOT TO DAMAGE ANY EXISTING CONSTRUCTION THAT IS TO REMAIN. FLOORS, WALLS, AND CEILINGS ARE TO BE PATCHED TO MATCH EXISTING CONDITIONS AND MADE READY TO RECEIVE ANY NEW FINISHES WHERE APPLICABLE.
7. WHERE EXISTING FLOOR, CEILING, OR WALL FINISHES ARE TO BE REPLACED WITH NEW FINISHES, EXISTING SURFACES SHALL BE STRIPPED CLEAN OF ALL EXISTING COVERINGS AND MADE READY TO RECEIVE NEW FINISHES, IN ACCORDANCE WITH FINISH MANUFACTURERS WRITTEN INSTRUCTIONS AND RECOMMENDATIONS INCLUDING LEVEL 4 PLUMB TOLERANCES. REFER TO ROOM FINISH SCHEDULE FOR TYPES & LOCATIONS OF NEW FINISHES.
8. ALL FLOORING BEING REPLACED, SHALL BE COMPLETELY REMOVED & THE FLOOR CLEANED & PROPERLY PREPARED PRIOR TO INSTALLATION OF NEW FINISH MATERIAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTING ALL FLOORS THAT RECEIVE NEW FINISHES PRIOR TO BID AND CONSTRUCTION. FLOORS SHALL BE PATCHED, FILLED, & STRIPPED AS REQUIRED TO PROVIDE A SMOOTH, DURABLE SURFACE FREE OF ALL BURRS OR ADHESIVE, AND SUITABLE FOR APPLICATION OF NEW FINISH MATERIAL.

9. CONTRACTOR SHALL MAINTAIN BUILDING INTEGRITY, BUILDING SECURITY, AND WEATHER-TIGHT BUILDING ENVELOPE (TO INCLUDE EXTERIOR WALL(S), ROOF, EXTERIOR OPENINGS, ETC.) DURING CONSTRUCTION. CONTRACTOR TO COORDINATE BUILDING ACCESS WITH OWNER.
10. PROVIDE TEMPORARY DUSTPROOF PARTITIONS AS REQUIRED TO PROTECT ALL EXISTING AREAS FROM DAMAGE DUE TO DEMOLITION OR NEW CONSTRUCTION.
11. PATCH AND REPAIR ALL DAMAGED SURFACES TO MATCH EXISTING SURFACES WHERE REMOVED OR ALTERED. FIELD VERIFY EXTENT OF REQUIRED REPAIRS.
12. PROVIDE TEMPORARY BRACING AND SHORING OF EXISTING STRUCTURAL ELEMENTS AS REQUIRED FOR DEMOLITION OR NEW CONSTRUCTION UNTIL STRUCTURAL SYSTEMS AND MODIFICATIONS ARE SECURE AND IN PLACE.
13. PROTECT ALL ITEMS NOT NOTED TO BE REMOVED (FIELD VERIFY ALL CONDITIONS) AND COORDINATE ALL WORK WITH OWNER TO MINIMIZE DISRUPTION TO EXISTING FACILITIES OPERATIONS.
14. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO START OF DEMOLITION. PROTECT ALL UTILITIES TO REMAIN IN SERVICE.

CONFLICTS & DISCREPANCIES:

1. THE RELATION OF SPECIFICATIONS AND THE DRAWINGS SHALL BE EQUAL IN AUTHORITY AND PRIORITY. SHOULD THEY DISAGREE IN THEMSELVES, OR WITH EACH OTHER, BIDS SHALL BE BASED ON THE MOST EXPENSIVE COMBINATION OF QUALITY AND QUANTITY OF WORK INDICATED. THE APPROPRIATE WORK, IN THE EVENT OF THE ABOVE MENTIONED DISAGREEMENTS, SHALL BE DETERMINED BY THE ARCHITECT, AT NO ADDITIONAL COSTS TO THE OWNER.
2. ANY OMISSION AND/OR CONFLICT IN THE DRAWINGS AND/OR SPECIFICATIONS, MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITTEN FORMAT BY R.F.I. (REQUEST FOR INFORMATION) PRIOR TO OPENING OF BIDS.
3. FAILURE TO REPORT AN OMISSION/CONFLICT IN THE DRAWINGS AND/OR SPECIFICATIONS, PRIOR TO OPENING OF BIDS SHALL BE DEEMED EVIDENCE THAT THE CONTRACTOR HAS ELECTED TO PROCEED IN THE MORE EXPENSIVE MANNER, AT NO ADDITIONAL COST TO THE OWNER.

INTENT OF DRAWINGS:

1. THE DRAWINGS ARE DIAGRAMMATIC AND SMALL SCALE ONLY. THEY CONVEY THE INTENT OF THE WORK BUT DO NOT SHOW EVERY SINGLE DETAIL OF CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE, AS THE CONSTRUCTION EXPERT, TO PROVIDE AND INSTALL ALL NECESSARY MATERIALS, COMPONENTS AND SYSTEMS NECESSARY FOR THE TURN KEY CONSTRUCTION AND COMPLETION OF THE PROJECT.

DEMO KEYNOTES

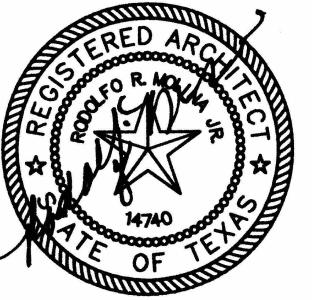
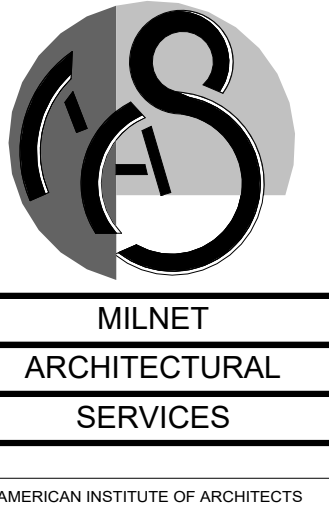
- D1 ROUGH OPENING FOR NEW DOOR
- D2 EXISTING CELL DOOR HARDWARE TO BE REMOVED & REPLACED BY SUSTAINABLE SECURITY SOLUTIONS
- D3 EXISTING PLUMBING SYSTEM AND FIXTURES TO BE INSPECTED, CLEANED, & REPAIRED, RE: MEP

DEMO LEGEND

- DENOTES EXISTING TO BE DEMOLISHED
- DENOTES EXISTING TO REMAIN
- AREA NOT IN CONTRACT



1 DEMO BASEMENT FLOOR PLAN  
3/16" = 1'-0"



02/05/2025

STARR COUNTY  
JUVENILE DETENTION CENTER  
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401 BRITTON AVE. RIO GRANDE CITY,  
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DATE  
02/05/2025

ISSUE FOR BIDS

SHEET NUMBER

D1.0



CONFLICTS & DISCREPANCIES:

1. THE RELATION OF SPECIFICATIONS AND THE DRAWINGS SHALL BE EQUAL IN AUTHORITY AND PRIORITY. SHOULD THEY DISAGREE IN THEMSELVES, OR WITH EACH OTHER, BIDS SHALL BE BASED ON THE MOST EXPENSIVE COMBINATION OF QUALITY AND QUANTITY OF WORK INDICATED. THE APPROPRIATE WORK, IN THE EVENT OF THE ABOVE MENTIONED DISAGREEMENTS, SHALL BE DETERMINED BY THE ARCHITECT, AT NO ADDITIONAL COSTS TO THE OWNER.
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2. CONTRACTOR IS RESPONSIBLE, AS THE CONSTRUCTION EXPERT, TO PROVIDE AND INSTALL ALL NECESSARY MATERIALS, COMPONENTS AND SYSTEMS NECESSARY FOR THE TURN KEY CONSTRUCTION AND COMPLETION OF THE PROJECT.

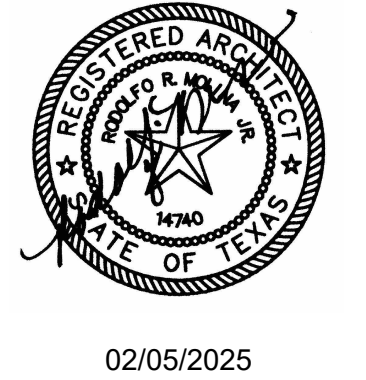
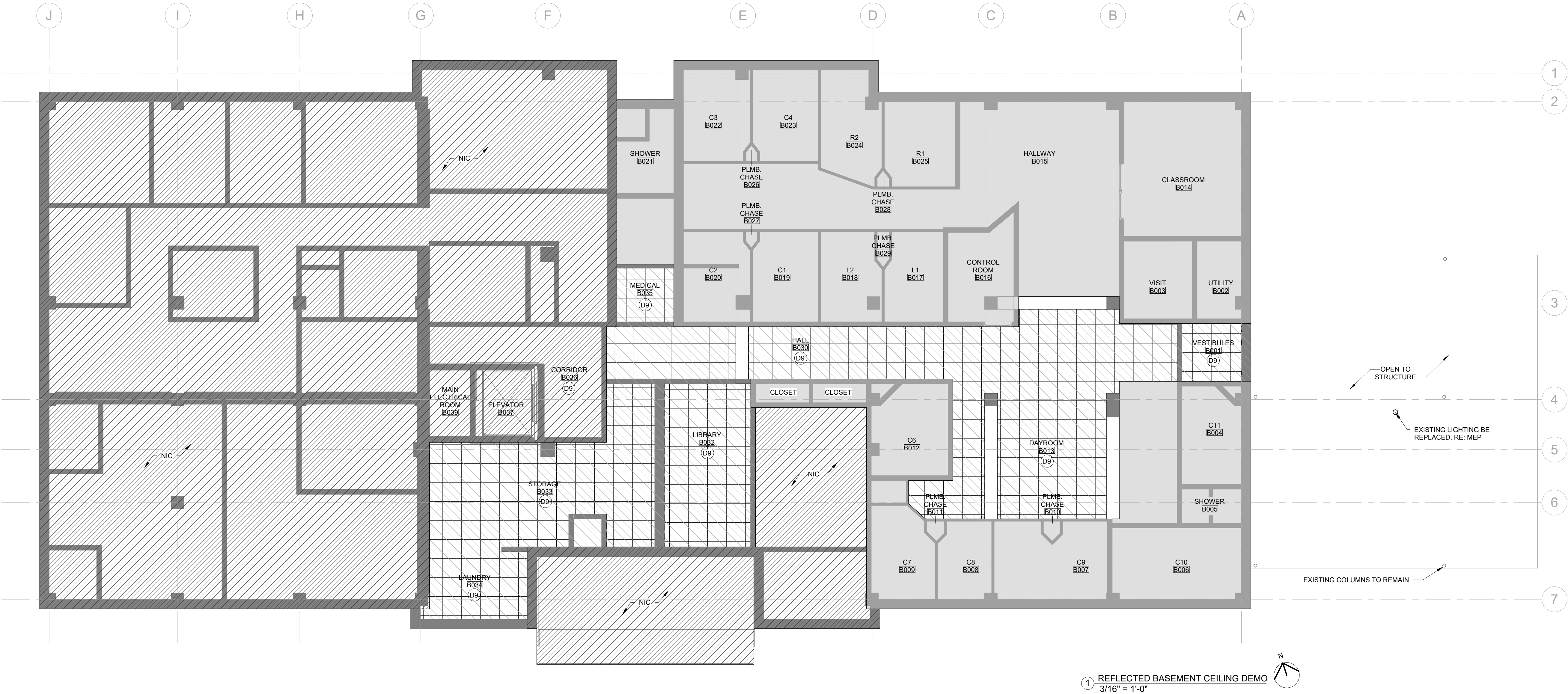
DEMO LEGEND

- DENOTES EXISTING TO BE DEMOLISHED
- DENOTES EXISTING TO REMAIN
- EXISTING CEILING TO REMAIN
- DENOTES CEILING DEMOLITION
- DENOTES AREA TO REMAIN UNDISTURBED

DEMO KEYNOTES

- D9

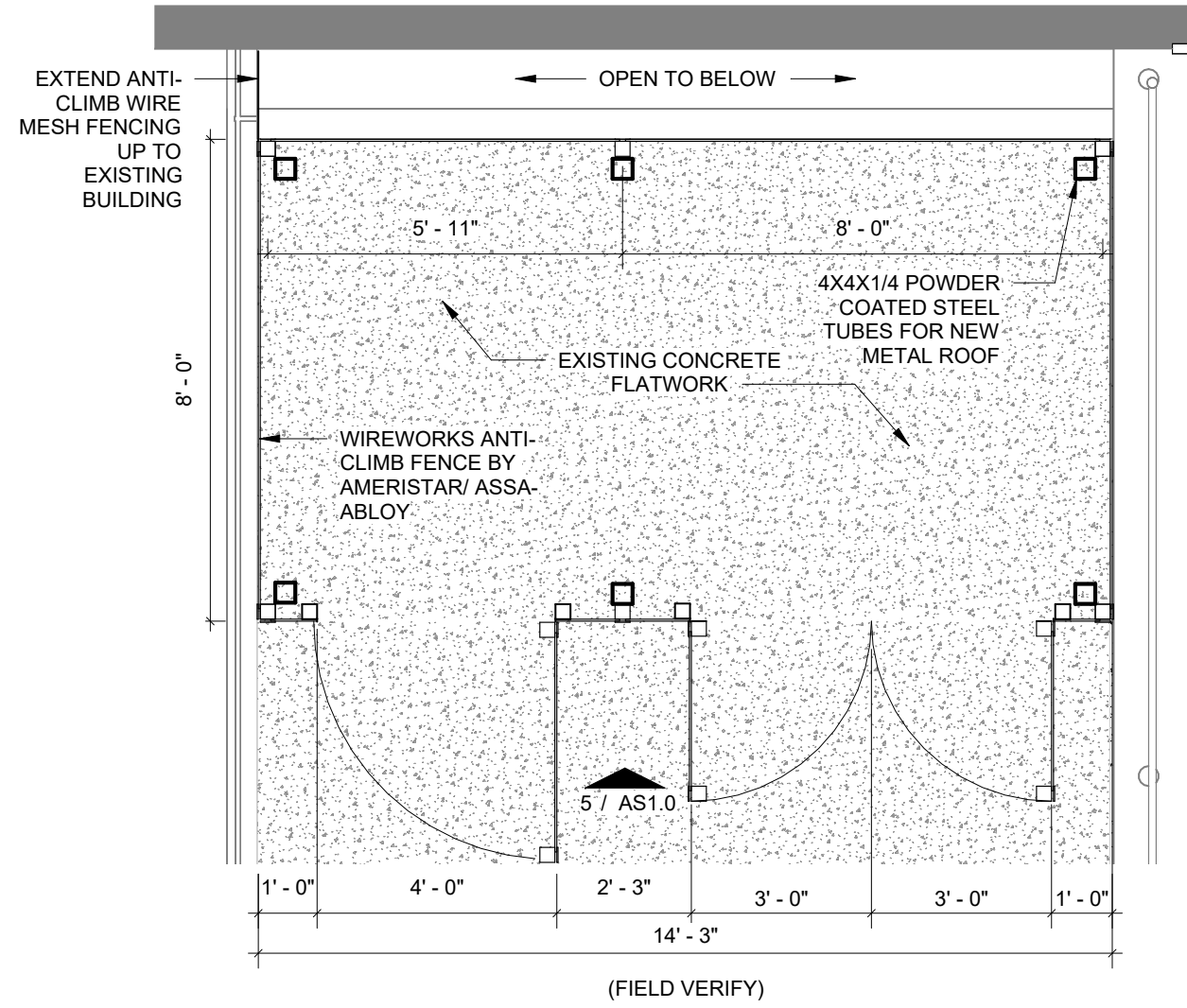
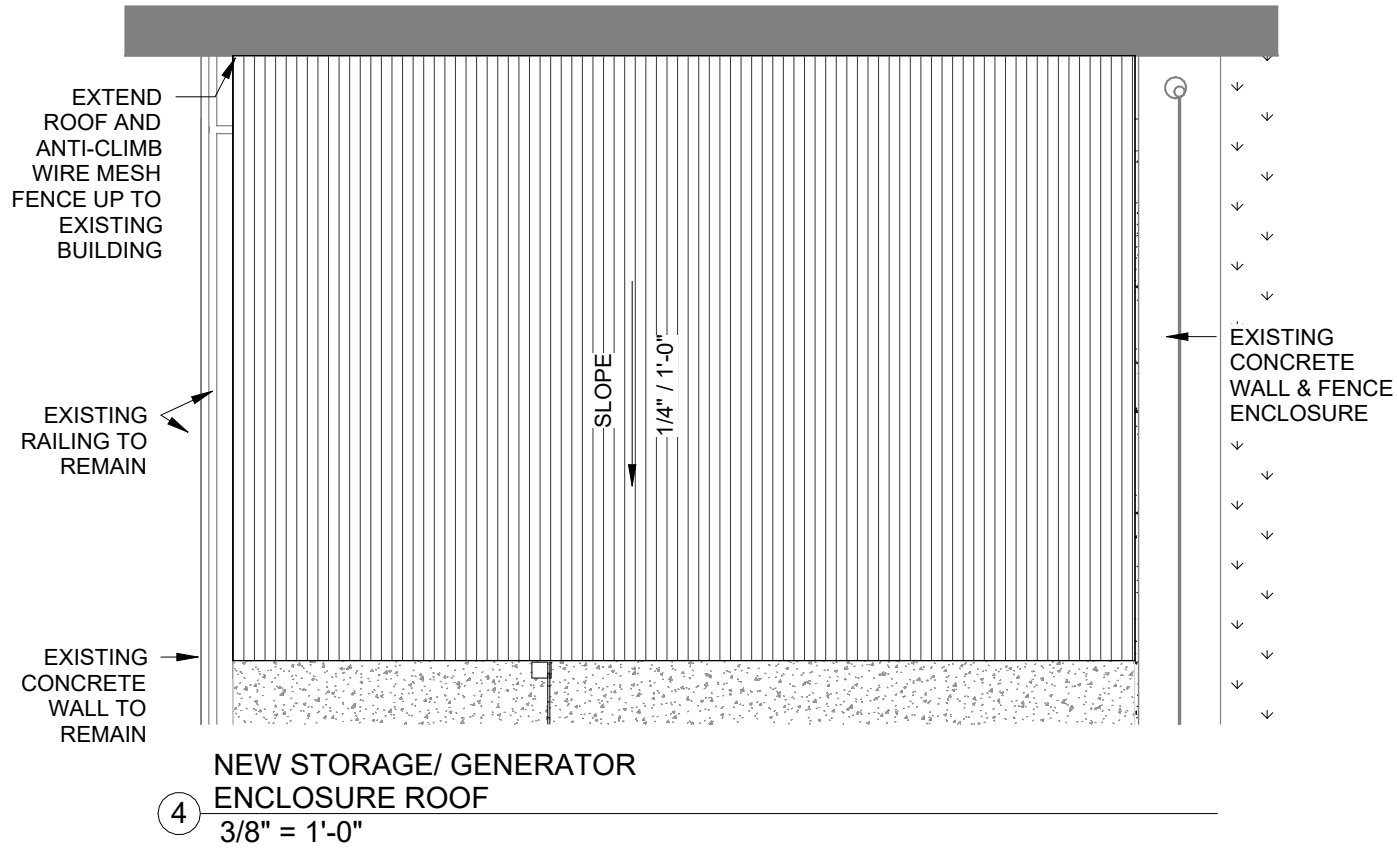
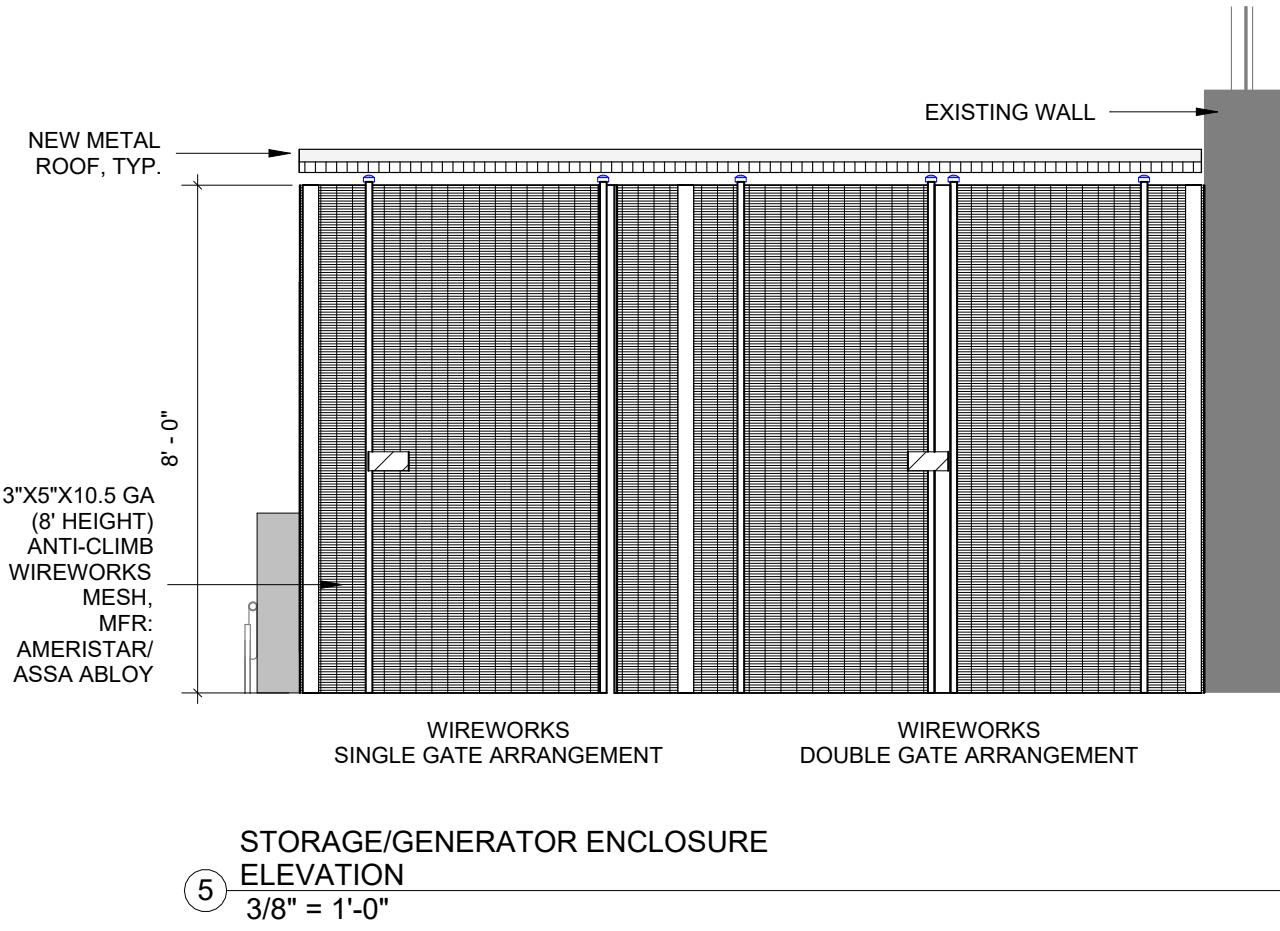
EXISTING ACOUSTICAL TILES & GRID TO BE REMOVED



STARR COUNTY  
JUVENILE DETENTION CENTER  
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401 BRITTON AVE, RIO GRANDE CITY,  
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SHEET NUMBER	D1.1





SITE PLAN NOTES

1. NO WORK TO BE PERFORMED AT EXISTING BUILDING ENVELOPE. SITE PLAN SHOWS ACCESS ROUTE FROM PARKING LOT TO BUILDING ENTRANCE

LEGAL DESCRIPTION

PLAT SHOWING:  
COURTHOUSE SQUARE  
ORIGINAL TOWNSITE  
RIO GRANDE CITY  
STARR COUNTY, TEXAS



MILNET  
ARCHITECTURAL  
SERVICES

AMERICAN INSTITUTE OF ARCHITECTS



02/05/2025

STARR COUNTY  
JUVENILE DETENTION CENTER  
UPGRADES  
401 BRITTON AVE. RIO GRANDE CITY,  
TX 78582

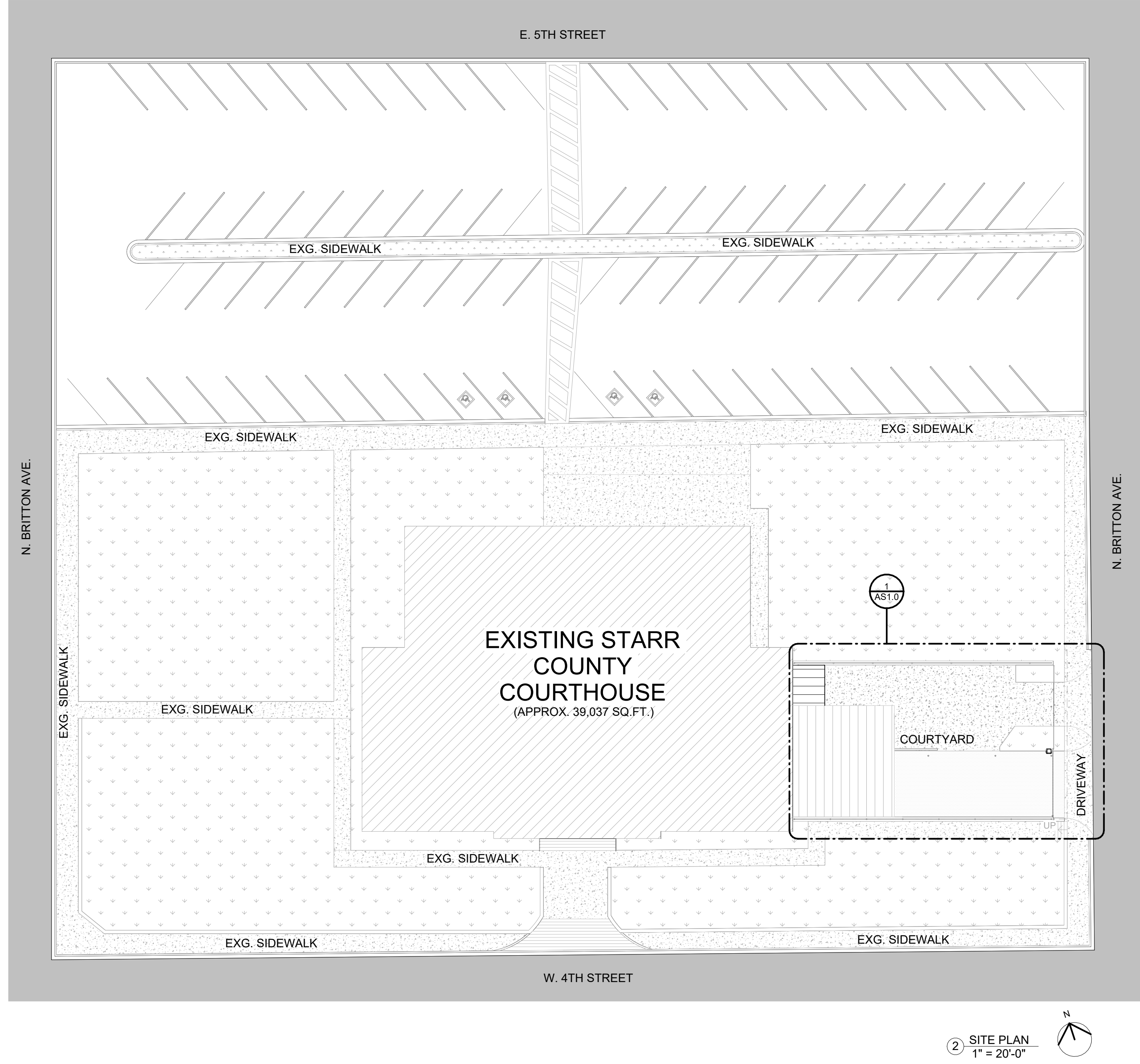
PROJECT NUMBER  
224028

DATE  
02/05/2025

ISSUE FOR BIDS

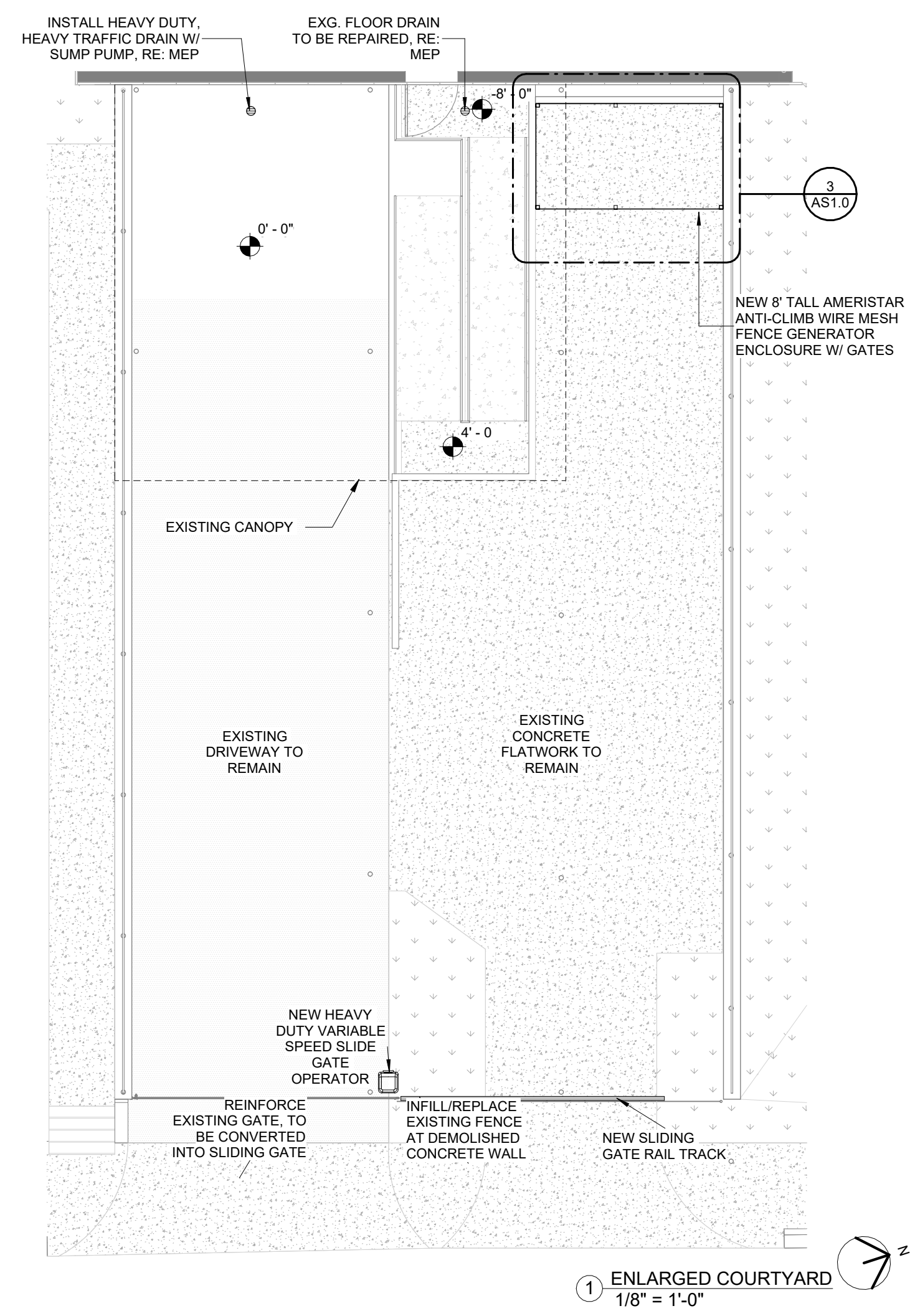
SHEET NUMBER

AS1.0



2 SITE PLAN  
1" = 20'-0"

3 NEW STORAGE/ GENERATOR  
ENCLOSURE  
3/8" = 1'-0"



1 ENLARGED COURTYARD  
1/8" = 1'-0"



GENERAL NOTES

1. ALL DIMENSIONS TO FINISH FACE OF WALL
2. GENERAL CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE THEMSELVES WITH ALL EXISTING CONDITIONS AND CONTRACT DOCUMENTS. CONTRACTOR SHALL REPORT TO THE ARCHITECT ANY DISCREPANCIES OR IRREGULARITIES THAT MAY EXIST PRIOR TO SUBMITTING A BID.
3. GENERAL CONTRACTOR SHALL REMOVE ALL DEBRIS AND CONSTRUCTION MATERIAL OFF OF SITE AND DISPOSE ON APPROPRIATE DUMPSITE.
4. DUE TO OPERATIONAL HOURS OF THESE FACILITIES, GENERAL CONTRACTOR IS TO COORDINATE SCOPE OF WORK WITH OWNER.
5. FIELD VERIFY ALL DIMENSIONS FOR EXISTING AND NEW WALLS.
6. ALL FLOOR FINISH CHANGES SHALL OCCUR AT THE CENTERLINE OF DOORS UNLESS NOTED OTHERWISE. ALL FLOOR FINISH ELEVATION CHANGES SHALL HAVE THRESHOLDS OR REDUCER STRIPS AS SPEC'D.

SECURITY SYSTEM NOTES

1. CELL DOORS TO BE REINFORCED BY SUSTAINABLE SECURITY SOLUTIONS. CONTACT: 210-714-3015
2. HARDWARE TO BE REPLACED AT ALL CELL DOORS RE: SPECS
3. TOUCHSCREEN LOCKING CONTROLS, PROGRAMMABLE LOGIC CONTROLLER, INTERCOMMUNICATIONS SYSTEM, IP VIDEO SURVEILLANCE SYSTEM, ACCESS CONTROL SYSTEMS TO BE REMOVED AND REPLACED BY SUSTAINABLE SECURITY SOLUTIONS, RE: SPECS
4. SERVICE ALL DETENTION HARDWARE BY A SOUTHERN FOLGER CERTIFIED DETENTION EQUIPMENT CONTRACTOR
5. HARDWARE TO BE REPLACED BY A SOUTHERN FOLGER CERTIFIED DETENTION EQUIPMENT CONTRACTOR
6. ADD NEW INTERCOMS TO THE INSIDE OF EACH CELL

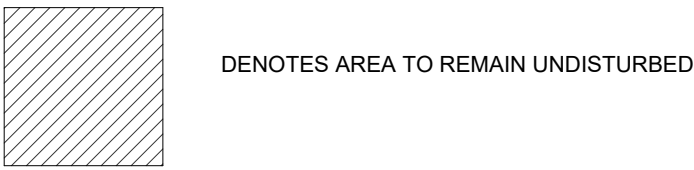
CONFLICTS & DISCREPANCIES

1. THE RELATION OF SPECIFICATIONS AND THE DRAWINGS SHALL BE EQUAL IN AUTHORITY AND PRIORITY. SHOULD THEY DISAGREE IN THEMSELVES, OR WITH EACH OTHER, BIDS SHALL BE BASED ON THE MOST EXPENSIVE COMBINATION OF QUALITY AND QUANTITY OF WORK INDICATED. THE APPROPRIATE WORK, IN THE EVENT OF THE ABOVE MENTIONED DISAGREEMENTS, SHALL BE DETERMINED BY THE ARCHITECT, AT NO ADDITIONAL COSTS TO THE OWNER.
2. ANY OMISSION AND/OR CONFLICT IN THE DRAWINGS AND/OR SPECIFICATIONS, MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITTEN FORMAT BY R.F.I. (REQUEST FOR INFORMATION) PRIOR TO OPENING OF BIDS.
3. FAILURE TO REPORT AN OMISSION/CONFLICT IN THE DRAWINGS AND/OR SPECIFICATIONS, PRIOR TO OPENING OF BIDS SHALL BE DEEMED EVIDENCE THAT THE CONTRACTOR HAS ELECTED TO PROCEED IN THE MORE EXPENSIVE MANNER, AT NO ADDITIONAL COST TO THE OWNER.

INTENT OF DRAWINGS:

1. THE DRAWINGS ARE DIAGRAMMATIC AND SMALL SCALE ONLY. THEY CONVEY THE INTENT OF THE WORK BUT DO NOT SHOW EVERY SINGLE DETAIL OF CONSTRUCTION.
2. CONTRACTOR IS RESPONSIBLE, AS THE CONSTRUCTION EXPERT, TO PROVIDE AND INSTALL ALL NECESSARY MATERIALS, COMPONENTS AND SYSTEMS NECESSARY FOR THE TURN KEY CONSTRUCTION AND COMPLETION OF THE PROJECT.

LEGEND



02/05/2025

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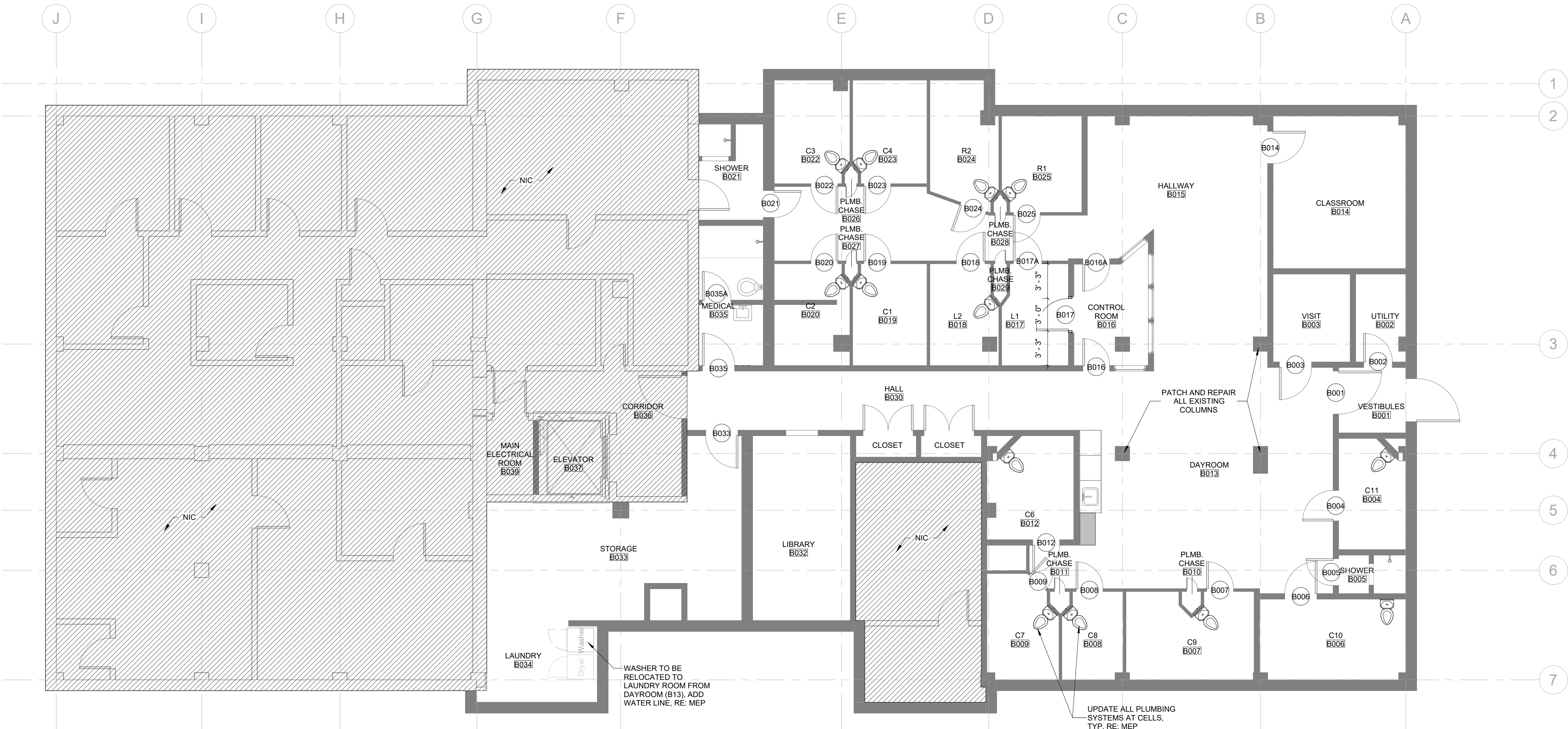
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1 FLOOR PLAN  
3/16" = 1'-0"


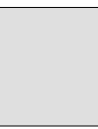





GENERAL NOTES:

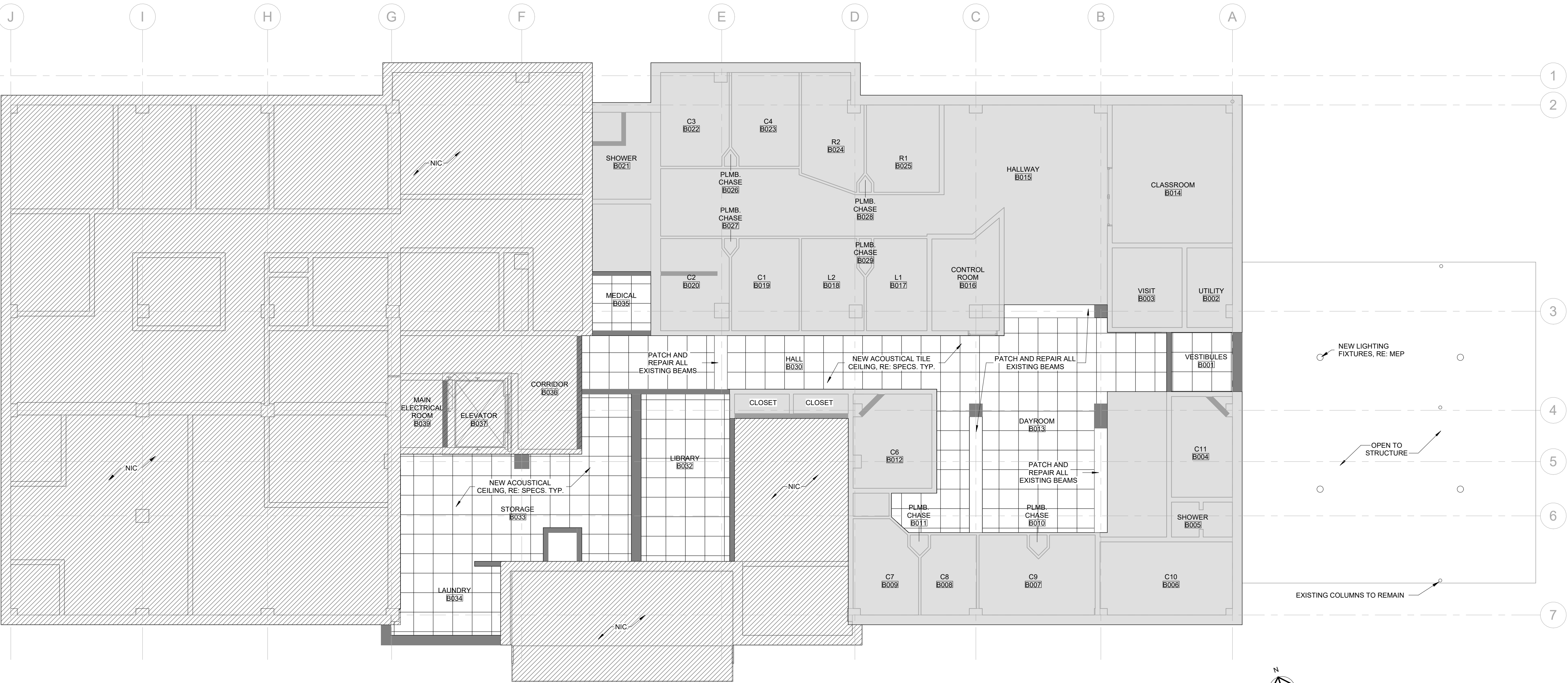
1. ALL NEW CEILINGS TO MATCH EXG. CEILING HEIGHTS. UNLESS NOTED OTHERWISE.
2. FIELD VERIFY ALL EXISTING SPRINKLER LOCATIONS, LIGHTS, CLG. MOUNTED EQUIPMENT AND CLG. HEIGHTS.
3. REFER TO ELECTRICAL DRAWINGS FOR EXACT LIGHT FIXTURE COUNTS AND LIGHT FIXTURE SCHEDULE, TYP.
4. CONTRACTOR SHALL INCLUDE A 200 SQ. FT. ALLOWANCE OF NEW CEILING GRID AND TILE TO BE INSTALLED AS NEEDED.
5. CONTRACTOR SHALL RELOCATE ALL EXISTING SPRINKLER HEADS, LIGHTS, DUFFUSERS, SPEAKERS, AND OTHER CEILING MOUNTED EQUIPMENT THAT INTERFERES WITH NEW CONSTRUCTION.
6. PROVIDE NEW AIR DEVICES AT ALL AREAS WITH NEW SCHEDULED CEILINGS, TYP., RE: MEP FOR AIR DEVICE INFORMATION.

CEILING LEGEND

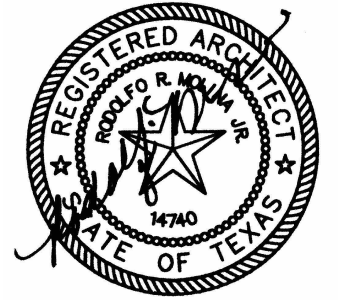
-  2'X2' SUSPENDED CEILING TILE  
RE: SPECS.
-  EXISTING CEILING TO REMAIN
-  DENOTES AREA TO REMAIN UNDISTURBED

ALTERNATE NO. 1:

REPLACE EXISTING SUSPENDED ACOUSTICAL CEILING WITH NEW METALWORKS SECURELOCK TAMPER-RESISTANT CEILING SYSTEM BY ARMSTRONG WORLD INDUSTRIES, LAY-IN, SMOOTH TEXTURE (APPROX. 1,155 SQ. FT.) CONTACT KELLY DENDY, (830-837-0120)



1 REFLECTED CEILING PLAN  
3/16" = 1'-0"



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ROOM FINISH SCHEDULE

RM. NO.	ROOM NAME	WALLS	BASE	FLOOR	CEILING	COMMENTS
B001	VESTIBULES	P-1	B-1	F-1	AC-1	ALT. 1: METALWORKS SECURELOCK TAMPER RESISTANT CEILING SYSTEM BY ARMSTRONG WORLD INDUSTRIES
B002	UTILITY	P-1	B-1	F-1	C-2	
B003	VISIT	P-1	B-1	F-1	C-2	
B004	C11	P-1	B-1	F-1	C-2	
B005	SHOWER	P-1	B-1	F-1	C-2	
B006	C10	P-1	B-1	F-1	C-2	
B007	C9	P-1	B-1	F-1	C-2	
B008	C8	P-1	B-1	F-1	C-2	
B009	C7	P-1	B-1	F-1	C-2	
B010	PLMB. CHASE	P-1	B-1	F-1	C-2	
B011	PLMB. CHASE	P-1	B-1	F-1	C-2	
B012	C6	P-1	B-1	F-1	C-2	
B013	DAYROOM	P-1	B-1	F-1	AC-1/C-2	ALT. 1: METALWORKS SECURELOCK TAMPER RESISTANT CEILING SYSTEM BY ARMSTRONG WORLD INDUSTRIES
B014	CLASSROOM	P-1	B-1	F-1	C-2	
B015	HALLWAY	P-1	B-1	F-1	C-2	
B016	CONTROL ROOM	P-1	B-1	F-1	C-2	
B017	L1	P-1	B-1	F-1	C-2	
B018	L2	P-1	B-1	F-1	C-2	
B019	C1	P-1	B-1	F-1	C-2	
B020	C2	P-1	B-1	F-1	C-2	
B021	SHOWER	P-1	B-1	F-1	C-2	
B022	C3	P-1	B-1	F-1	C-2	
B023	C4	P-1	B-1	F-1	C-2	
B024	R2	P-1	B-1	F-1	C-2	
B025	R1	P-1	B-1	F-1	C-2	
B026	PLMB. CHASE	P-1	B-1	F-1	C-2	
B027	PLMB. CHASE	P-1	B-1	F-1	C-2	
B028	PLMB. CHASE	P-1	B-1	F-1	C-2	
B029	PLMB. CHASE	P-1	B-1	F-1	C-2	
B030	HALL	P-1	B-1	F-1	AC-1	ALT. 1: METALWORKS SECURELOCK TAMPER RESISTANT CEILING SYSTEM BY ARMSTRONG WORLD INDUSTRIES
B032	LIBRARY	P-1	B-1	F-1	AC-1	ALT. 1: METALWORKS SECURELOCK TAMPER RESISTANT CEILING SYSTEM BY ARMSTRONG WORLD INDUSTRIES
B033	STORAGE	P-1	B-1	F-1	C-2	ALT. 1: METALWORKS SECURELOCK TAMPER RESISTANT CEILING SYSTEM BY ARMSTRONG WORLD INDUSTRIES
B034	LAUNDRY	P-1	B-1	F-1	AC-1	ALT. 1: METALWORKS SECURELOCK TAMPER RESISTANT CEILING SYSTEM BY ARMSTRONG WORLD INDUSTRIES
B035	MEDICAL	P-1	B-1	F-1	AC-1	
B036	CORRIDOR	P-1	B-1	F-1	AC-1	
B037	ELEVATOR	P-1	B-1	F-1	C-2	
B039	MAIN ELECTRICAL ROOM	P-1	B-1	F-1	C-2	

ROOM FINISH LEGEND

WALLS	
P-1	EXISTING TO REMAIN
FLOORS	
F-1	EXISTING FLOORING TO REMAIN
BASE	
B-1	EXISTING BASE TO REMAIN
CEILING	
AC-1	SUSP. ACOUSTICAL CEILING (2X2)
C-2	EXISTING CEILING TO REMAIN

DOOR SCHEDULE

MARK	DESCRIPTION	TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	FRAME TYPE	DOOR HARDWARE	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	COMMENTS
B001	VESTIBULES	EXG	-	-	-	EXISTING	EXISTING	EXG	RE: SPECS	AS PER MFR.	AS PER MFR.	AS PER MFR.	
B002	UTILITY	EXG	-	-	-	EXISTING	EXISTING	EXG	RE: SPECS	AS PER MFR.	AS PER MFR.	AS PER MFR.	
B003	VISIT	EXG	-	-	-	EXISTING	EXISTING	EXG	RE: SPECS	AS PER MFR.	AS PER MFR.	AS PER MFR.	
B004	C11	EXG	-	-	-	EXISTING	EXISTING	EXG	RE: SPECS	AS PER MFR.	AS PER MFR.	AS PER MFR.	TO BE REINFORCED BY SUSTAINABLE SECURITY SOLUTIONS
B005	SHOWER	EXG	-	-	-	EXISTING	EXISTING	EXG	RE: SPECS	AS PER MFR.	AS PER MFR.	AS PER MFR.	
B006	C10	EXG	-	-	-	EXISTING	EXISTING	EXG	RE: SPECS	AS PER MFR.	AS PER MFR.	AS PER MFR.	TO BE REINFORCED BY SUSTAINABLE SECURITY SOLUTIONS
B007	C9	EXG	-	-	-	EXISTING	EXISTING	EXG	RE: SPECS	AS PER MFR.	AS PER MFR.	AS PER MFR.	TO BE REINFORCED BY SUSTAINABLE SECURITY SOLUTIONS
B008	C8	EXG	-	-	-	EXISTING	EXISTING	EXG	RE: SPECS	AS PER MFR.	AS PER MFR.	AS PER MFR.	TO BE REINFORCED BY SUSTAINABLE SECURITY SOLUTIONS
B009	C7	EXG	-	-	-	EXISTING	EXISTING	EXG	RE: SPECS	AS PER MFR.	AS PER MFR.	AS PER MFR.	TO BE REINFORCED BY SUSTAINABLE SECURITY SOLUTIONS
B012	C6	EXG	-	-	-	EXISTING	EXISTING	EXG	RE: SPECS	AS PER MFR.	AS PER MFR.	AS PER MFR.	TO BE REINFORCED BY SUSTAINABLE SECURITY SOLUTIONS
B014	CLASSROOM	EXG	-	-	-	EXISTING	EXISTING	EXG	RE: SPECS	AS PER MFR.	AS PER MFR.	AS PER MFR.	TO BE REINFORCED BY SUSTAINABLE SECURITY SOLUTIONS
B016	CONTROL ROOM	EXG	-	-	-	EXISTING	EXISTING	EXG	RE: SPECS	AS PER MFR.	AS PER MFR.	AS PER MFR.	
B016A	CONTROL ROOM	EXG	-	-	-	EXISTING	EXISTING	EXG	RE: SPECS	AS PER MFR.	AS PER MFR.	AS PER MFR.	
B017	L1	A	3' - 0"	7' - 0"	0" - 2"	HOLLOW METAL	PAINTED	A	RE: SCHEDULE	1/A7.0	2/A7.0	3/A7.0	
B017A	L1	EXG	-	-	-	EXISTING	EXISTING	EXG	RE: SPECS	AS PER MFR.	AS PER MFR.	AS PER MFR.	TO BE REINFORCED BY SUSTAINABLE SECURITY SOLUTIONS
B018	L2	EXG	-	-	-	EXISTING	EXISTING	EXG	RE: SPECS	AS PER MFR.	AS PER MFR.	AS PER MFR.	TO BE REINFORCED BY SUSTAINABLE SECURITY SOLUTIONS
B019	C1	EXG	-	-	-	EXISTING	EXISTING	EXG	RE: SPECS	AS PER MFR.	AS PER MFR.	AS PER MFR.	TO BE REINFORCED BY SUSTAINABLE SECURITY SOLUTIONS
B020	C2	EXG	-	-	-	EXISTING	EXISTING	EXG	RE: SPECS	AS PER MFR.	AS PER MFR.	AS PER MFR.	TO BE REINFORCED BY SUSTAINABLE SECURITY SOLUTIONS
B021	SHOWER	-	-	-	-	EXISTING	EXISTING	EXG	RE: SPECS	AS PER MFR.	AS PER MFR.	AS PER MFR.	TO BE REINFORCED BY SUSTAINABLE SECURITY SOLUTIONS
B022	C3	EXG	-	-	-	EXISTING	EXISTING	EXG	RE: SPECS	AS PER MFR.	AS PER MFR.	AS PER MFR.	TO BE REINFORCED BY SUSTAINABLE SECURITY SOLUTIONS
B023	C4	EXG	-	-	-	EXISTING	EXISTING	EXG	RE: SPECS	AS PER MFR.	AS PER MFR.	AS PER MFR.	TO BE REINFORCED BY SUSTAINABLE SECURITY SOLUTIONS
B024	R2	EXG	-	-	-	EXISTING	EXISTING	EXG	RE: SPECS	AS PER MFR.	AS PER MFR.	AS PER MFR.	TO BE REINFORCED BY SUSTAINABLE SECURITY SOLUTIONS
B025	R1	EXG	-	-	-	EXISTING	EXISTING	EXG	RE: SPECS	AS PER MFR.	AS PER MFR.	AS PER MFR.	TO BE REINFORCED BY SUSTAINABLE SECURITY SOLUTIONS
B033	STORAGE	EXG	-	-	-	EXISTING	EXISTING	EXG	RE: SPECS	AS PER MFR.	AS PER MFR.	AS PER MFR.	
B035	MEDICAL	EXG	-	-	-	EXISTING	EXISTING	EXG	RE: SPECS	AS PER MFR.	AS PER MFR.	AS PER MFR.	
B035A	SHOWER	EXG	-	-	-	EXISTING	EXISTING	EXG	RE: SPECS	AS PER MFR.	AS PER MFR.	AS PER MFR.	

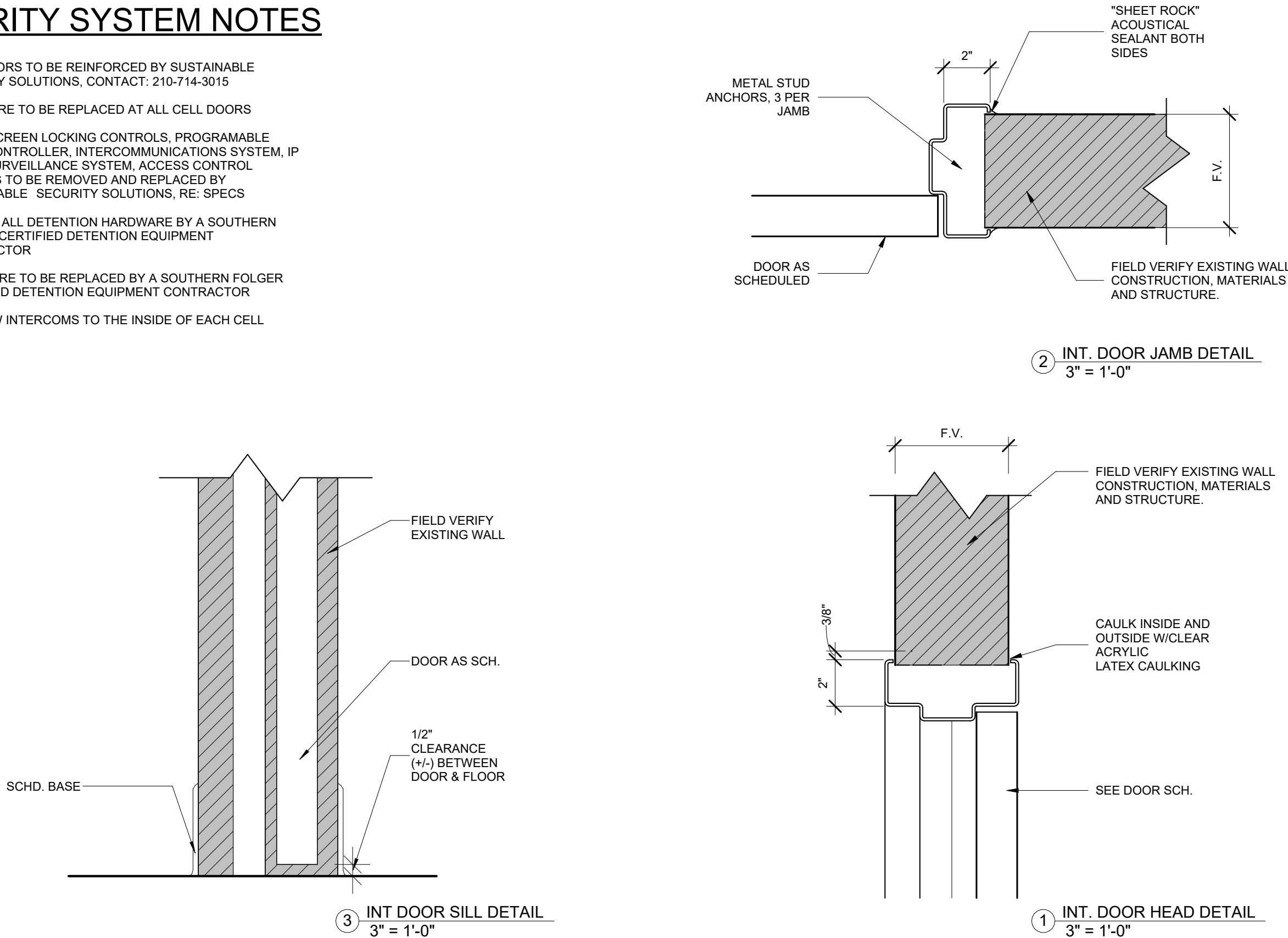
DOOR HARDWARE

QTY.	DESCRIPTION	CATALOG #	FINISH	MANUF'R
3	HINGE	5BB1HW 4.5 X 4.5 NRP	652	IVES
1	STOREROOM LOCK	ND80TD RHO	626	SCHLAGE
1	EVEREST CORE	23-030 EV29 S	626	SCHLAGE
1	SURFACE CLOSER	1461 SCUSH	689	LCN
1	KICK PLATE	8400 10"X2" LDW B-CS	630	IVES
3	SILENCER	SR64	GRY	IVES

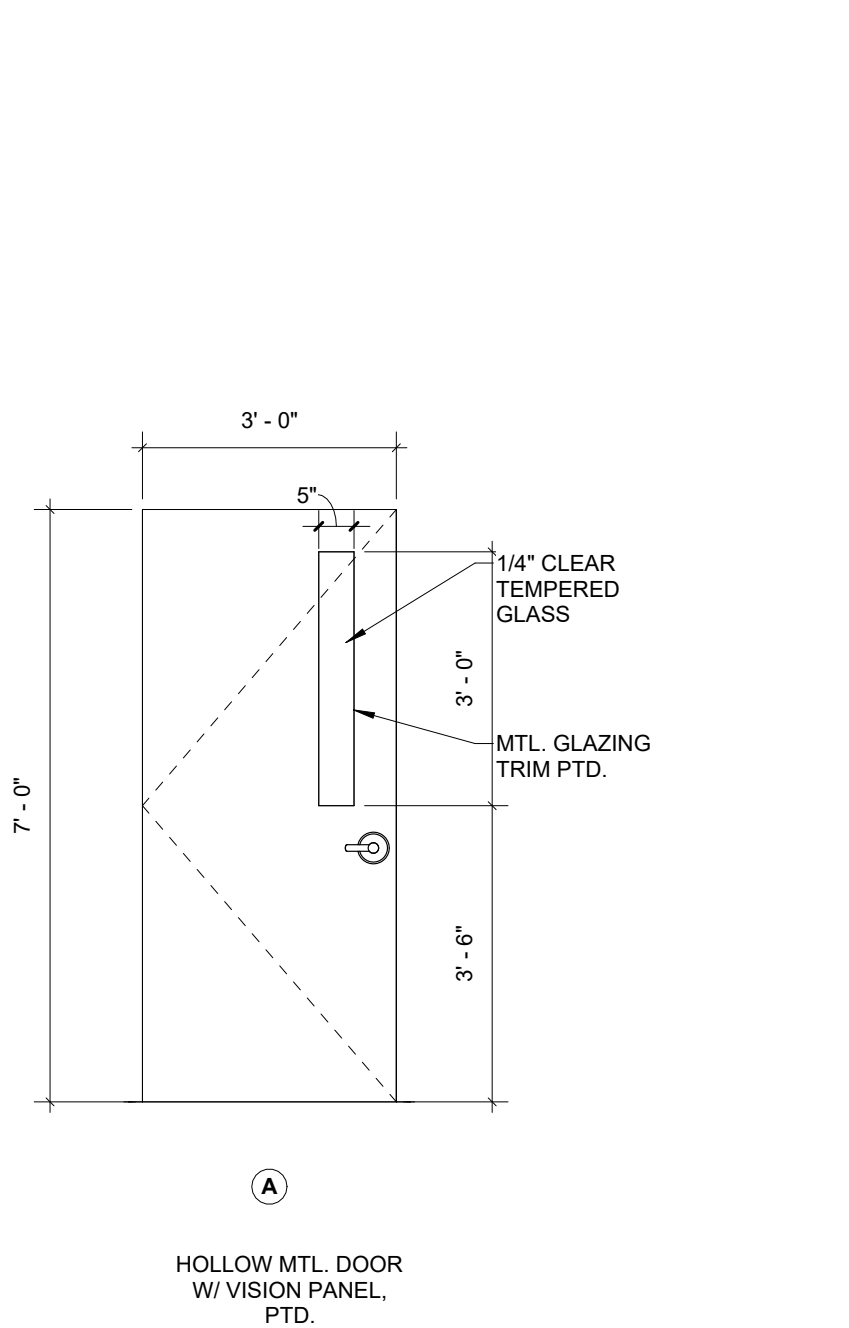
DOOR DETAILS

SECURITY SYSTEM NOTES

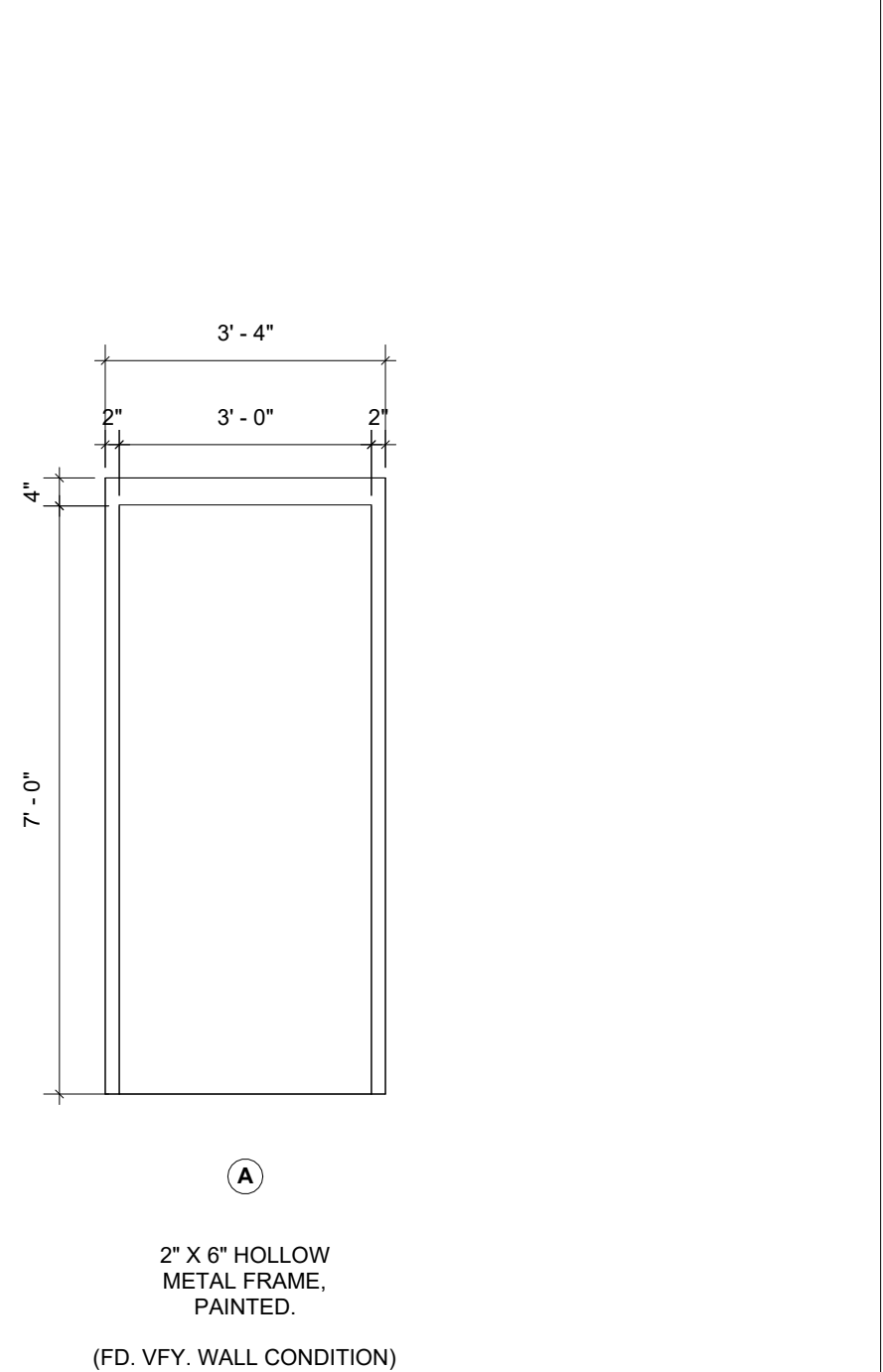
- CELL DOORS TO BE REINFORCED BY SUSTAINABLE SECURITY SOLUTIONS, CONTACT: 210-714-3015
- HARDWARE TO BE REPLACED AT ALL CELL DOORS
- TOUCHSCREEN LOCKING CONTROLS, PROGRAMABLE LOGIC CONTROLLER, INTERCOMMUNICATIONS SYSTEM, IP VIDEO SURVEILLANCE SYSTEM, ACCESS CONTROL SYSTEMS TO BE REMOVED AND REPLACED BY SUSTAINABLE SECURITY SOLUTIONS, RE: SPECS
- SERVICE ALL DETENTION HARDWARE BY A SOUTHERN FOLGER CERTIFIED DETENTION EQUIPMENT CONTRACTOR
- HARDWARE TO BE REPLACED BY A SOUTHERN FOLGER CERTIFIED DETENTION EQUIPMENT CONTRACTOR
- ADD NEW INTERCOMS TO THE INSIDE OF EACH CELL



DOOR TYPES



FRAME TYPES



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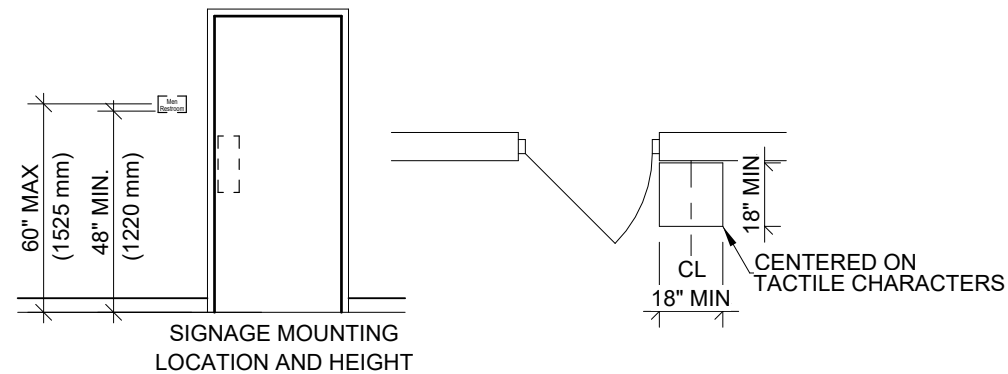
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- COLOR AS CLOSE TO COUNTERTOP AS POSSIBLE BASED ON STANDARD COLORS.
- SIGNS THAT DESIGNATE PERMANENT ROOMS AND SPACES MUST COMPLY WITH REQUIREMENTS FOR CHARACTER PROPORTION, RAISED AND BRAILLED CHARACTERS AND PICTORIAL SYMBOLS SIGNS, FINISH AND CONTRAST, AND MOUNTING AND LOCATION HEIGHT.
- CHARACTER PROPORTION: CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 55 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I".
- RAISED AND BRAILLED CHARACTERS AND PICTORIAL SYMBOL SIGNS (PICTOGRAMS); LETTERS AND NUMERALS SHALL BE RAISED 1/32 IN. UPPER-CASE, SANS SERIF AND SHALL BE ACCOMPANIED WITH GRADE 2 BRAILLE. RAISED CHARACTERS SHALL BE AT LEAST 5/8 IN. (16mm) HIGH, BUT NO HIGHER THAN 2 IN. (50mm). PICTOGRAMS SHALL BE ACCOMPANIED BY THE EQUIVALENT VERBAL DESCRIPTION PLACED DIRECTLY BELOW THE PICTOGRAM. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE 6 IN. (152mm) MINIMUM IN HEIGHT.
- FINISH AND CONTRAST: CHARACTERS AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS SHALL CONTRAST WITH THEIR BACKGROUND WITH EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.
- MOUNTING LOCATION AND HEIGHT. WHERE PERMANENT IDENTIFICATION IS PROVIDED FOR ROOMS AND SPACES, SIGNS SHALL BE INSTALLED ALONGSIDE DOOR AT THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE INSTALLED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE INSTALLED TO THE RIGHT OF THE RIGHT HAND DOOR, WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGN SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 18" MIN. BY 18" MIN., CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSED POSITION AND 45 DEGREE OPEN POSITION.

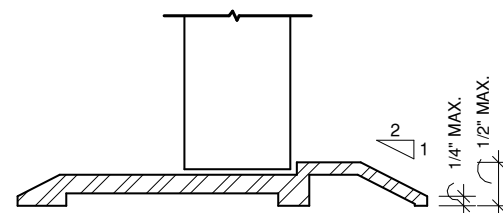


3 ADA - INTERIOR SIGNAGE SPECS  
N.T.S.

## DOOR CRITERIA:

### GENERAL NOTES:

- FLOOR OR GROUND SURFACE. FLOOR OR GROUND SURFACE WITHIN REQUIRED MANEUVERING CLEARANCE SHALL BE STABLE FIRM, AND SLIP RESISTANT. CHANGES IN LEVEL ARE NOT PERMITTED.
- VISION LIGHTS. DOORS, GATES, AND SIDE LIGHTS ADJACENT TO DOOR OR GATES, SHALL HAVE THE BOTTOM OF AT LEAST ONE GLAZED PANEL LOCATED 43" MAX. ABOVE THE FINISH FLOOR



### NOTES:

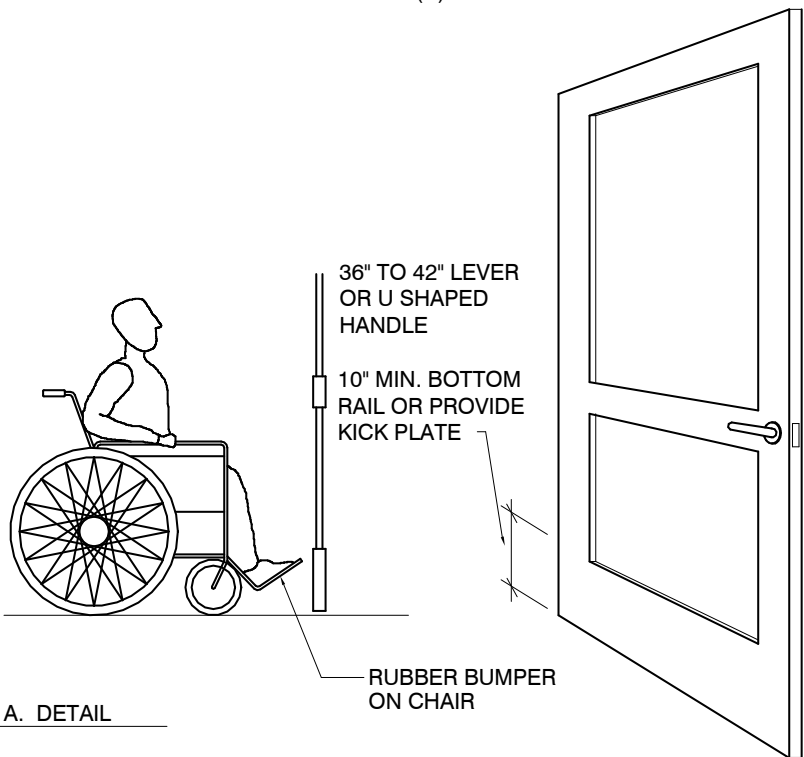
- 1/2" MAXIMUM TOTAL HEIGHT WITH 1/4" MAXIMUM VERTICAL CHANGE AT EDGE.
- 1 : 2 SLOPED BEVEL REQUIRED IF LEVEL CHANGE IS OVER 1/4" VERTICAL LEVEL CHANGE.

### DOOR TYPE:

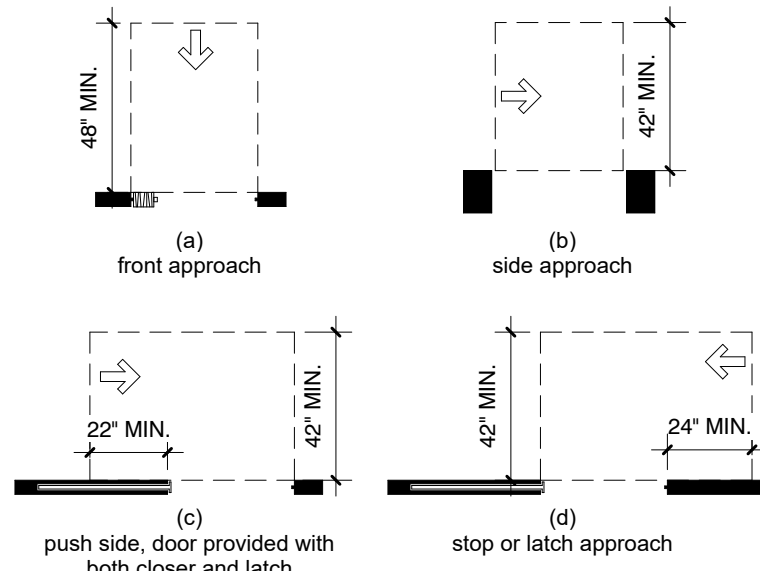
- MINIMUM 10" HIGH SMOOTH SURFACE AT DOOR BOTTOM, EITHER ATTACHED PANEL OR BOTTOM RAIL.

### HARDWARE:

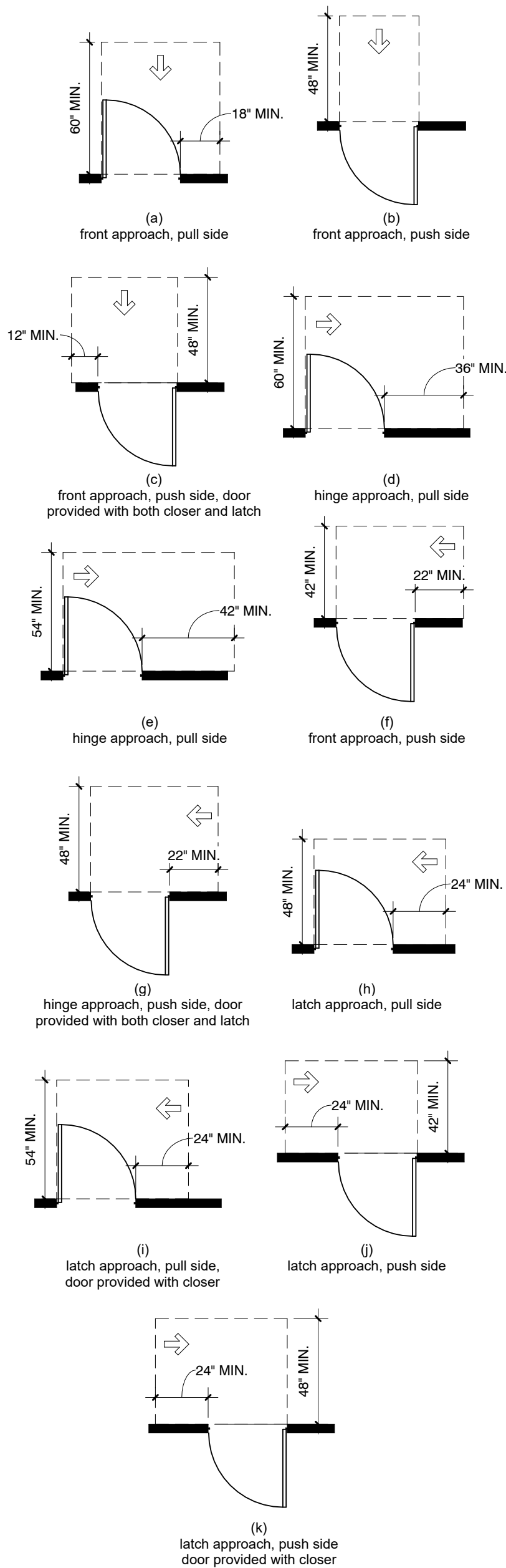
- OPERABLE FROM INSIDE WITHOUT USE OF KEY OR SPECIAL KNOWLEDGE OR EFFORT.
- OPENABLE BY SINGLE EFFORT LEVER-TYPE DEVICE (NOT REQUIRING GRASPING).
- MOUNTED 38" TO 42".
- MAXIMUM 8.5 POUNDS EFFORT TO OPERATE EXTERIOR DOOR, 5 POUNDS FOR INTERIOR.
- HARDWARE TO CONFORM TO 3304(C) OF THE UBC 91.



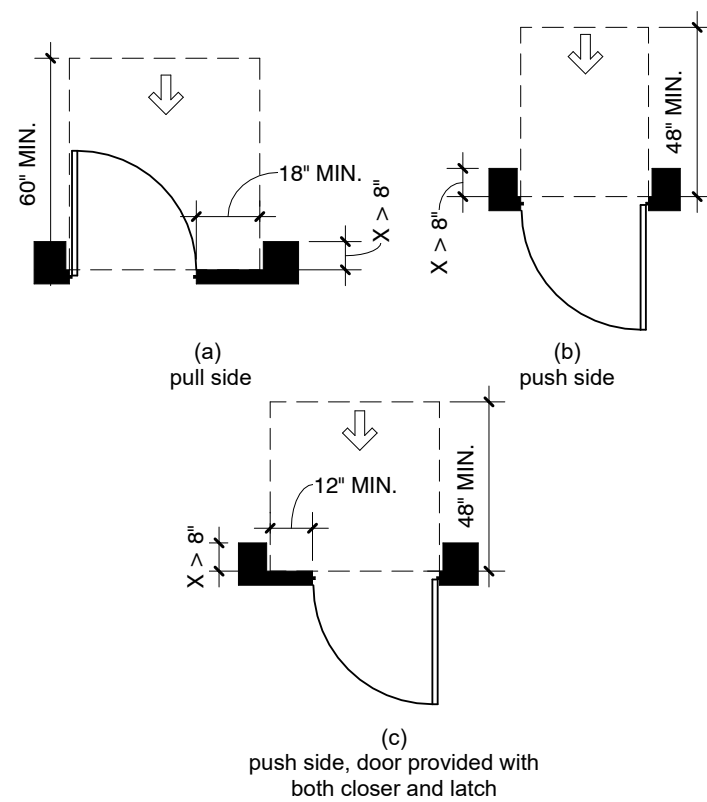
1 DOOR CRITERIA  
N.T.S.



MANEUVERING CLEARANCE AT DOORWAYS WITHOUT DOORS,  
SLIDING DOORS, GATES AND FOLDING DOORS



MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS AND GATES



MANEUVERING CLEARANCE AT RECESSED DOORS AND GATES



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PLUMBING SYMBOLS

	SANITARY SEWER PIPING
	GREASE WATER PIPING
	SANITARY VENT PIPING
	COLD WATER PIPING
	HOT WATER PIPING
	HOT WATER RECIRCULATION PIPING
	SOFT WATER PIPING
	REVERSE OSMOSIS WATER PIPING
	GAS PIPING
	STORM DRAIN PIPING
	OVERFLOW DRAIN PIPING
	ACID RESISTANT WASTE PIPING
	ACID VENT PIPING
	CONDENSATE DRAIN PIPING
	PIPE ELBOW DOWN
	PIPE ELBOW UP
	PIPE UNION
	BALL VALVE
	GATE VALVE
	CHECK VALVE

ABBREVIATIONS

AD	ACCESS DOOR	LAT	LEAVING AIR TEMPERATURE
AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
AFG	ABOVE FINISHED GRADE	MBD	MANUAL BLADE DAMPER
AHU	AIR HANDLING UNIT	MBH	1000 BTU PER HOUR
AR	ACID RESISTANT	MIN	MINIMUM
ATP	AUTOMATIC TRAP PRIMER	MTG	MOUNTING
AVTR	ACID VENT THROUGH ROOF	MVD	MANUAL VOLUME DAMPER
AW	ACID WASTE	N	NEW
BFP	BACKFLOW PREVENTER	NC	NOISE CRITERIA
BTUH	BRITISH THERMAL UNITS PER HOUR	NO.	NUMBER
CFH	CUBIC FEET PER HOUR	O.A.	OUTSIDE AIR
CFM	CUBIC FEET PER MINUTE	OAFGR	OUTSIDE AIR FILTER GRILLE
CLG	CEILING	OAGR	OUTSIDE AIR GRILLE
COM	COMMUNICATION CONDUIT	OSD	OPPOSED BLADE DAMPER
C.O.	CLEANOUT	OH	OPEN HUB DRAIN
C.O.P.	COEFFICIENT OF PERFORMANCE	PD	PRESSURE DROP
CU	CONDENSING UNIT	P.O.C.	POINT OF CONNECTION
CW	DOMESTIC COLD WATER	R.A.	RETURN AIR
DB	DRY BULB	RAFGR	RETURN AIR FILTER GRILLE
DIFF	DIFFUSER	RAGR	RETURN AIR GRILLE
DN	DOWN	RPM	REVOLUTIONS PER MINUTE
DSN	DOWNSPOUT NOZZLE	RTU	ROOF TOP UNIT
DWGS.	DRAWINGS	S.A.	SUPPLY AIR
DYCO	DOUBLE YARD CLEANOUT	SD	SLOT DIFFUSER
E.A.	EXHAUST AIR	SEER	SEASONAL ENERGY EFFICIENCY RATINGS
EAGR	EXHAUST AIR GRILLE	SHT	SHEET
EAT	ENTERING AIR TEMPERATURE	SOV	SHUT-OFF VALVE
EER	ENERGY EFFICIENCY RATING	SP	STATIC PRESSURE
EF	EXHAUST FAN	SPECS	SPECIFICATIONS
EFF.	EFFICIENCY	TSP	TOTAL STATIC PRESSURE
ESP	EXTERNAL STATIC PRESSURE	TYP	TYPICAL
EXIST(E)	EXISTING	U.N.O.	UNLESS NOTED OTHERWISE
FCO	FLOOR CLEANOUT	V	VENT
FLEX	FLEXIBLE	VIB	VALVE IN BOX
FPI	FINS PER INCH	VTR	VENT THROUGH ROOF
GCO	GRADE CLEANOUT	VVT	VARIABLE AIR VOLUME TERMINAL
GFI	GROUND FAULT CIRCUIT INTERRUPT	W	WITH
HP	HORSE POWER	WB	WET BULB
HW	DOMESTIC HOT WATER	WCO	WALL CLEANOUT
KW	KILOWATTS	WG	WATER GAUGE
L	LOUVER	WHA	WATER HAMMER ARRESTER
		WP	WEATHER PROOF

MECHANICAL SYMBOLS

SIZE 4"x4" 250	TYPE A	AIR DEVICE IDENTIFICATION TAG
QTY.	CFM	
		HVAC EQUIPMENT. (REFER TO SCHEDULE.)
		HVAC EQUIPMENT ON ROOF OR NEXT LEVEL. (REFER TO SCHEDULE.)
		SPIN-IN COLLAR FITTING WITH VOLUME DAMPER
		SPIN-IN COLLAR FITTING
		DUCT WITH FIRE DAMPER
	BD	DUCT WITH BACKDRAFT DAMPER
	M	DUCT WITH MOTORIZED DAMPER
		DUCT MOUNTED SMOKE DETECTOR
	AD	DUCT WITH ACCESS DOOR
		SUPPLY AIR DIFFUSER
		RETURN OR TRANSFER AIR GRILLE
		EXHAUST GRILLE
		SHEET METAL DUCTWORK WITH 2" FSK WRAP. WRAP NOT SHOWN FOR CLARITY.
		FLEXIBLE DUCT
		THERMOSTAT/TEMPERATURE SENSOR, # DESIGNATES ASSOCIATED AHU.
		HUMIDISTAT
		CARBON DIOXIDE (CO <sub>2</sub> ) SENSOR
	RL	REFRIGERANT LIQUID PIPING
	RS	REFRIGERANT SUCTION PIPING
	CHWS	CHILLED WATER SUPPLY PIPING
	CHWR	CHILLED WATER RETURN PIPING

SYMBOL LEGEND

	SECTION
	DETAIL
	ELEVATION
	KEY NOTE
	REVISION

ELECTRICAL SYMBOLS

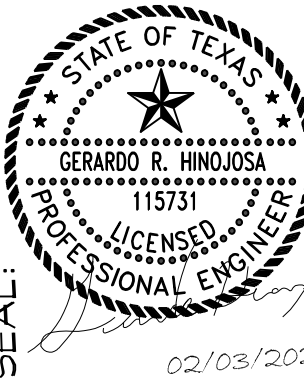
	LED LTS. FIXTURE (* DENOTES TYPE.)		125V, 20A, SINGLE RECEPTACLE @ 18" A.F.F., SUBSCRIPT DENOTES ALTERNATE MOUNTING HEIGHT
	LED NITE LIGHT OR EMERGENCY LIGHT (* DENOTES TYPE).		GROUND FAULT CIRCUIT INTERRUPTER, 125V, 20A, SINGLE RECEPTACLE @ 18" A.F.F., SUBSCRIPT DENOTES ALTERNATE MOUNTING HEIGHT
	LED BARE LAMP STRIP. (* DENOTES TYPE).		125V, 20A, DUPLEX RECEPTACLE @ 18" A.F.F., SUBSCRIPT DENOTES ALTERNATE MOUNTING HEIGHT.
	INCANDESCENT OR HID LT. FIXTURE (* DENOTES TYPE).		GROUND FAULT INTERRUPTER, 125V, 20A, DUPLEX RECEPTACLE @ 18" A.F.F., SUBSCRIPT DENOTES ALTERNATE MOUNTING HEIGHT.
	WALL BRACKET INCANDESCENT OR HID FIXTURE (* DENOTES TYPE).		WEATHER PROOF GROUND FAULT INTERRUPTER, 125V, 20A, DUPLEX RECEPTACLE @ 18" A.F.F., SUBSCRIPT DENOTES ALTERNATE MOUNTING HEIGHT.
	RECESSED INCANDESCENT OR HID FIXTURE.		GROUND FAULT INTERRUPTER, 125V, 20A, DUPLEX RECEPTACLE @ 18" A.F.F., SUBSCRIPT DENOTES ALTERNATE MOUNTING HEIGHT.
	CEILING MOUNTED EXIT LIGHT WITH ARROWS AS INDICATED ON PLANS.		125V, 20A, DUPLEX RECEPTACLE WITH ISOLATED GROUND @ 18" A.F.F., SUBSCRIPT DENOTES ALTERNATE MOUNTING HEIGHT.
	WALL MOUNTED EXIT LIGHT WITH ARROWS AS INDICATED ON PLANS.		125V, 20A, QUADRAPLEX RECEPTACLE @ 18" A.F.F., SUBSCRIPT DENOTES ALTERNATE MOUNTING HEIGHT.
	EMERGENCY LIGHT UNIT. (BATTERY)		125V, 20A, QUADRAPLEX RECEPTACLE WITH ISOLATED GROUND @ 18" A.F.F., SUBSCRIPT DENOTES ALTERNATE MOUNTING HEIGHT.
	TOGGLE SWITCH @ 48" A.F.F.		250V, RECEPTACLE @ 18" A.F.F., # REPRESENTS AMP. RATING, SUBSCRIPT DENOTES ALTERNATE MOUNTING HEIGHT.
	THREE WAY TOGGLE SWITCH @ 48" A.F.F.		RECEPTACLE IN FLOOR BOX. DEVICE AS NOTED, REFER TO PLAN.
	FOUR WAY TOGGLE SWITCH @ 48" A.F.F.		RECEPTACLE IN SURFACE MOUNTED BOX. DEVICE AS NOTED, REFER TO PLAN.
	DIMMER SWITCH (2000 WATT-RATING) @ 48" A.F.F.		RECEPTACLE MOUNTED ON STRUCTURE. DEVICE AS NOTED, REFER TO PLAN.
	KEYED SWITCH @ 48" A.F.F.		JUNCTION BOX @ 18" AFF. ALTERNATE SUBSCRIPT DENOTES MOUNTING HEIGHT. C DENOTES CEILING MOUNTING.
	MOTOR RATED SWITCH.		JUNCTION BOX WALL MOUNTED.
	PANELBOARD. REFER TO PANEL SCHEDULES FOR FURTHER INFORMATION.		TELEVISION OUTLET @ 84" A.F.F., SUBSCRIPT DENOTES ALTERNATE MOUNTING HEIGHT.
	SHUNT TRIP SWITCH		TELEPHONE OUTLET @ 18" A.F.F., SUBSCRIPT DENOTES ALTERNATE MOUNTING HEIGHT.
	4'X8'X3/4" FLYWOOD TELEPHONE BOARD		DATA OUTLET @ 18" A.F.F., SUBSCRIPT DENOTES ALTERNATE MOUNTING HEIGHT.
	DIRECT EQUIPMENT CONNECTION		COMBINATION TELEPHONE/DATA OUTLET @ 18" A.F.F., SUBSCRIPT DENOTES ALTERNATE MOUNTING HEIGHT.
	HOME RUN CONDUIT/CIRCUIT WITH # OF WIRES AS INDICATED. NOTE: GROUND WIRE NOT SHOWN.		DISCONNECT/SAFETY SWITCH. F DENOTES FUSIBLE TYPE, NUMBER DENOTES FUSE RATING.
	ABOVE GRADE CONDUIT		COMBINATION STARTER/DISCONNECT SW.
	BELOW GRADE CONDUIT		CONDUIT TURNED DOWN

GENERAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PURCHASING ALL REQUIRED PERMITS.
- IT IS THE INTENT OF THESE DOCUMENTS THAT A COMPLETE AND WORKABLE INSTALLATION BE PROVIDED. TO THIS END, THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIALS, EQUIPMENT, TOOLS, SUPERVISION, TRANSPORTATION, WAREHOUSING, AND OTHER SERVICES REQUIRED TO COMPLETE THE WORK IN AN EFFICIENT AND TIMELY MANNER.
- ALL WORK, INCLUDING MATERIALS AND WORKMANSHIP, SHALL CONFORM TO THE REQUIREMENTS OF ALL LOCAL CODES, LAWS, AND ORDINANCES, AND THE LATEST EDITION OF THE N.E.C., STANDARD MECHANICAL PLUMBING, AND BUILDING CODES. WORK SHALL BE COMPLETED IN ALL RESPECTS AND IN ACCORDANCE WITH THE BEST ESTABLISHED AND ACCEPTED CONSTRUCTION PRACTICES.
- THE CONTRACTOR SHALL FURNISH, INSTALL/ERECT AND MAINTAIN FOR THE DURATION OF HIS WORK, ALL GUARD RAILS, LIGHTS, WARNING SIGNS, STAGING, VENTILATION, ECT, REQUIRED BY STATE AND LOCAL LAWS AND ORDINANCES, INCLUDING THE SAFETY ORDERS OF OSHA.
- THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS. BY THE ACT OF SUBMITTING A BID, THIS CONTRACTOR ACCEPTS THE CONDITIONS UNDER WHICH HE WILL BE REQUIRED TO WORK.
- SUBSTITUTIONS OR DEVIATIONS FROM THE PLANS AND SPECIFICATIONS WILL ONLY BE ACCEPTED AT THE TIME OF BIDDING AND ONLY WHEN SUBMITTED IN WRITING THREE DAYS PRIOR TO BID DATE. THE BURDEN OF PROOF THAT THE SUBSTITUTED ITEM IS EQUAL TO THE SPECIFIED ITEM RESTS WITH THE CONTRACTOR.
- THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC TO THE EXTENT THAT ALL OFFSETS, BENDS, SPECIAL FITTINGS AND LOCATIONS ARE NOT EXACTLY LOCATED.
- ALL INDICATED DIMENSIONS ARE APPROXIMATE AND ARE GIVEN FOR ESTIMATE PURPOSES ONLY. BEFORE PROCEEDING WITH THE WORK, CONTRACTOR SHALL CAREFULLY CHECK AND VERIFY ALL DIMENSIONS, SIZES, REQUIRED CLEARANCES AND SHALL ASSUME FULL RESPONSIBILITY FOR THE FITTING OF ALL EQUIPMENT AND MATERIALS HEREIN REFERRED TO OTHER PARTS OF THE WORK AND TO THE WORK OF OTHER TRADES.
- CONTRACTOR SHALL COMPLY WITH ALL CONTRACT DOCUMENTS IN LAYING OUT HIS WORK AND EQUIPMENT. HE SHALL COORDINATE HIS WORK WITH THE WORK OF OTHER TRADES AND ALL JOB CONDITIONS.
- CONTRACTOR SHALL HAVE A COMPETENT SUPERINTENDENT PRESENT AT THE JOB SITE AT ALL TIMES, WITH AUTHORITY TO ACT FOR THE CONTRACTOR.
- ALL CONTRACTOR PERSONNEL WILL BE RESTRICTED TO THE PARTICULAR JOB SITE OF THIS CONTRACT.
- ALL MATERIALS SHALL BE NEW AND OF THE HIGHEST QUALITY.
- ANY APPARATUS, APPLIANCE, DEVICES, MATERIAL, OR WORK NOT SHOWN ON DRAWINGS BUT MENTIONED IN THE SPECIFICATIONS, OR VISE VERSA, OR ANY INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE AND PERFECT IN ALL RESPECTS AND READY FOR TESTING AND OPERATION, EVEN IF NOT PARTICULARLY SPECIFIED, SHALL BE FURNISHED, DELIVERED, AND INSTALLED BY THE CONTRACTOR WITHOUT ADDITIONAL COST TO THE OWNER.
- ALL MISCELLANEOUS IRON AND STEEL WORK REQUIRED TO PROPERLY INSTALL EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. WORK INCLUDES ALL HANGERS, SUPPORTS, RACKS, BRACKETS, AND ANY WELDING REQUIRED.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN A DAILY RECORD OF ALL DEVIATIONS FROM THE BID DRAWINGS, ALL DIMENSIONS AND OTHER INFORMATION NECESSARY TO COMPLETELY EXPLAIN AND LOCATE ALL ELEMENTS OF THESE DEVIATIONS SHALL BE RECORDED. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL SUBMIT TO THE OWNER'S REPRESENTATIVE ONE COMPLETE SET OF REPRODUCIBLE (SEPIA) DRAWINGS CORRECTED TO REFLECT "AS-BUILT" CONDITIONS OF THE WORK.
- THE CONTRACTOR SHALL AT ALL TIMES KEEP THE PREMISES FREE FROM ACCUMULATION OF WASTE MATERIAL OR RUBBISH AND MAINTAIN THE WORK AREA IN A NEAT, ORDERLY MANNER, AND LEAVE THE PREMISES IN A BROOM-CLEAN CONDITION AT THE END OF EACH DAY. THE CONTRACTOR SHALL FURNISH TRASH BINS AND SHALL BE RESPONSIBLE FOR THE PROPER TRANSPORTATION AND DISPOSAL OF ALL WASTE MATERIAL.
- ANY INTERRUPTIONS AND/OR SHUTDOWN OF THE EXISTING SERVICES SHALL BE MADE ONLY WITH THE APPROVAL OF AND AT TIMES DESIGNATED BY THE OWNER.
- UPON COMPLETION OF WORK, THE CONTRACTOR SHALL DEMONSTRATE, TO THE OWNERS SATISFACTION, THE OPERATION OF THE INSTALLED EQUIPMENT AND SYSTEMS TO THE INTENT OF THE DESIGN.
- ALL WORK SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER. DURING THIS PERIOD, ANY DEFECT FOUND IN MATERIAL OR WORKMANSHIP SHALL BE REPAIRED OR REPLACED TO OWNER'S SATISFACTION, AT THE CONTRACTORS EXPENSE.
- THE OWNER SHALL RETAIN A RIGHT OF FIRST REFUSAL ON ALL REMOVED EQUIPMENT. IF THE OWNER CHOOSES TO WAIVE THIS RIGHT, ALL REMOVED EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- ALL WORK SHALL BE INSPECTED PRIOR TO COVER.
- INSURE THAT BUILDER HAS SEALED AND INSULATED PLENUM CAVITY.

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DRAWING TITLE:  
SYMBOL SHEET



PROJECT:  
STARR COUNTY JUVENILE  
DETENTION CENTER  
401 BRITTON AVE  
RIO GRANDE, TX 78582

GSH ENGINEERING LLC.  
CONSULTING & MANAGEMENT  
900 E. BERTCH AVE  
PH: 956-631-0529 FAX: 956-631-0567  
MCALLEN, TEXAS 78501  
FIRM# 14580

DRAWN: GSH  
CHECKED: GSH  
JOB # 2428  
DATE: 02/03/2025  
DRAWING NO:

MPE1.0





1 BASEMENT  
MECHANICAL PLAN  
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- COORDINATE HANG HEIGHTS/ROUTING WITH ALL AFFECTED BUILDING TRADES.
- PROVIDE FLEX CONNECTIONS AT ALL MECHANICAL EQUIPMENT.
- INSULATE ALL SUPPLY & RETURN AIR DUCTWORK - MIN 2" EXTERNAL FSK WRAP.
- PROVIDE ALL NECESSARY BALANCING DAMPERS.
- MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL HVAC ELECTRICAL REQUIREMENTS WITH ELECTRICIAN PRIOR TO THE INSTALLATION OF ELECTRICAL SERVICE.
- EXISTING HVAC CONTROLS TO REMAIN. NO WORK REQUIRED.
- INFORMATION ON THIS SHEET HAS BEEN TAKEN FROM RECORD DRAWINGS AND SITE SURVEY. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING WORK AND REPORT ANY AND ALL DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THESE PLANS TO THE ENGINEER/ARCHITECT IMMEDIATELY.

KEY NOTES:

- PROVIDE AND INSTALL NEW SUPPLY/RETURN AIR GRILLES AT SAME LOCATION. FIELD VERIFY EXACT LOCATION/SIZE/MODEL AND QUANTITIES PRIOR TO COMMENCE WORK. DUCT WORK SYSTEM TO REMAIN.
- EXISTING RESTROOM EXHAUST SYSTEM SHALL REMAIN. REPLACE EXHAUST GRILLE AND EXHAUST FAN AS REQUIRED.
- EXISTING SUPPLY/RETURN/EXHAUST GRILLES AT CELL BLOCK TO REMAIN. AIR DEVICES TO BE REUSED MUST BE CLEANED, PAINTED, AND ALL DAMAGED PARTS MUST BE REPAIRED OR REPLACED.
- EXISTING DRYER VENT TO BE RELOCATED TO NEW DRYER LOCATION. FIELD VERIFY EXACT LOCATION/REQUIREMENTS PRIOR TO COMMENCE WORK. MAKE FINAL CONNECTION.
- EXISTING HVAC UNIT TO REMAIN. MECHANICAL CONTRACTOR SHALL PROVIDE MAINTENANCE TO EXISTING HVAC UNIT. MAINTENANCE SHOULD INCLUDE BUT NOT LIMITED TO CLEAN COILS, CHECK REFRIGERANT LEVELS, AND CLEAN CONDENSATE LINE. MECHANICAL CONTRACTOR SHALL PROVIDE WRITE REPORT TO GENERAL CONTRACTOR/OWNER OF PROPER WORKING CONDITIONS. IF REPAIRS ARE REQUIRED, PROVIDE ESTIMATE.
- ALL EXPOSED CONDENSATE LINES ARE BE RE-ROUTED TO ORIGINAL DISCHARGE SO THEY ARE NOT VISIBLE. COORDINATE WITH CONTRACTOR/OWNER.

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DRAWING TITLE:  
MECHANICAL  
PLAN



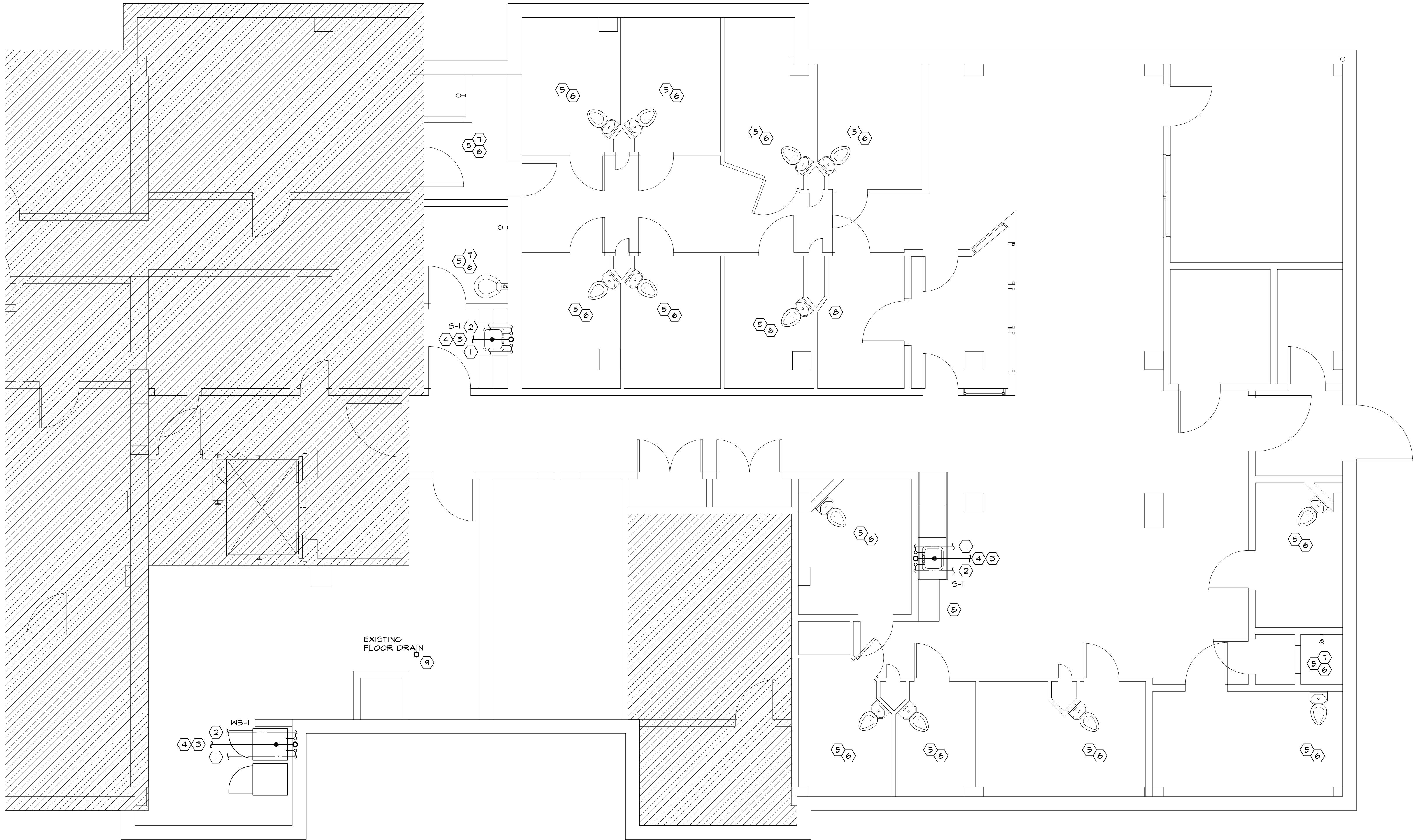
PROJECT:  
STARR COUNTY JUVENILE  
DETENTION CENTER  
401 BRITTON AVE  
RIO GRANDE, TX 78582

GSH ENGINEERING LLC.  
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FIRM# 14580

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CHECKED: GSH  
JOB # 2428  
DATE: 02/03/2025  
DRAWING NO:

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① BASEMENT  
DOMESTIC WATER  
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

- A. PLUMBING CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF EXISTING DOMESTIC COLD/HOT LINES, EXISTING DOMESTIC SEWER LINE PRIOR TO COMMENCE PROVIDE WRITTEN REPORT TO OWNER OF EXISTING UTILITIES LOCATIONS.
- B. COORDINATE EXACT LOCATION OF SANITARY SEWER, AND COLD WATER STUB UPS IN FLOOR, AND STUB THROUGH WALLS FOR PLUMBING FIXTURES PRIOR TO INSTALLATION.
- C. PLUMBING CONTRACTOR SHALL SAW CUT EXISTING CONCRETE FLOOR AS REQUIRED AND SHALL PATCH FLOOR AS PER TENANT REQUIREMENTS OR SHALL MATCH EXISTING FLOOR. FIELD VERIFY EXACT LOCATION PRIOR TO SAW CUTTING FLOOR.
- D. ELECTRICAL CONTRACTOR SHALL VISIT SITE PRIOR TO TO BID PROJECT TO GET A BETTER UNDERSTANDING OF THE SCOPE OF WORK.
- E. ALL EXISTING PLUMBING FIXTURES AND EQUIPMENT TO BE RELOCATED OR REUSED MUST BE CLEANED, AND ALL DAMAGED PARTS MUST BE REPAIRED OR REPLACED.
- F. EXISTING PLUMBING FIXTURES NOT TO BE REUSED, SHALL BE RETURNED TO MANAGEMENT. WATER AND SEWER LINES SHALL BE CUT AND CAP AS FAR AS NEEDED TO REPAIR WALL OR FLOORING.
- G. INFORMATION ON THIS SHEET HAS BEEN TAKEN FROM RECORD DRAWINGS AND SITE SURVEY. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING WORK AND REPORT ANY AND ALL DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THESE PLANS TO THE ENGINEER/ARCHITECT IMMEDIATELY.

KEY NOTES:

- ① CONNECT NEW 3/4" DOMESTIC WATER LINE TO EXISTING COLD WATER LINE ABOVE CEILING. PLUMBING CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION.
- ② CONNECT NEW 3/4" DOMESTIC HOT WATER LINE TO EXISTING HOT WATER LINE ABOVE CEILING. PLUMBING CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION.
- ③ CONNECT NEW 2" SEWER LINE TO EXISTING SANITARY PIPE BELOW SLAB. PLUMBING CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION.
- ④ CONNECT NEW 2" VENT LINE TO EXISTING VENTING SYSTEM. PLUMBING CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION PRIOR TO INSTALLATION.
- ⑤ PLUMBING CONTRACTOR SHALL REMOVE ALL PLUMBING FIXTURE TO INSPECT INTERIOR DOMESTIC SEWER LINE. ALL DAMAGE SEWER LINE SHALL BE REPAIRED BY APPROVED PLUMBING CODES. IF SECTIONS OF SEWER LINE IS UNREPAIRABLE, THOSE SECTIONS OF SEWER LINE SHALL BE REPLACE.  
NOTE: PROVIDE ON BASE BID, AS AN ALTERNATIVE, A PROPOSAL PER LINEAR FOOT TO REPLACE SEWER LINE SECTION.
- ⑥ PLUMBING FIXTURES SHALL BE REUSED, MUST BE CLEANED, AND ALL DAMAGED PARTS MUST BE REPAIRED OR REPLACED. FIELD VERIFY PLUMBING FIXTURE IS IN GOOD WORKING CONDITION PRIOR TO RE-INSTALLATION.
- ⑦ REPLACE SHOWER HEAD AND MIXING VALVE ON EXISTING SHOWERS. FIELD VERIFY EXACT LOCATION/REQUIREMENTS PRIOR TO COMMENCE WORK.
- ⑧ EXISTING PLUMBING LINES NOT BEING USED SHALL BE CUT AND CAP AS FAR AS NEEDED TO REPAIR WALL OR FLOORING. COORDINATE WITH GENERAL CONTRACTOR.
- ⑨ EXISTING FLOOR DRAIN SHALL BE REMOVE AND CAP SEWER LINE. FIELD VERIFY EXACT LOCATION/REQUIREMENTS PRIOR TO COMMENCE WORK.

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DRAWING TITLE:  
**PLUMBING PLAN**

SEAL:

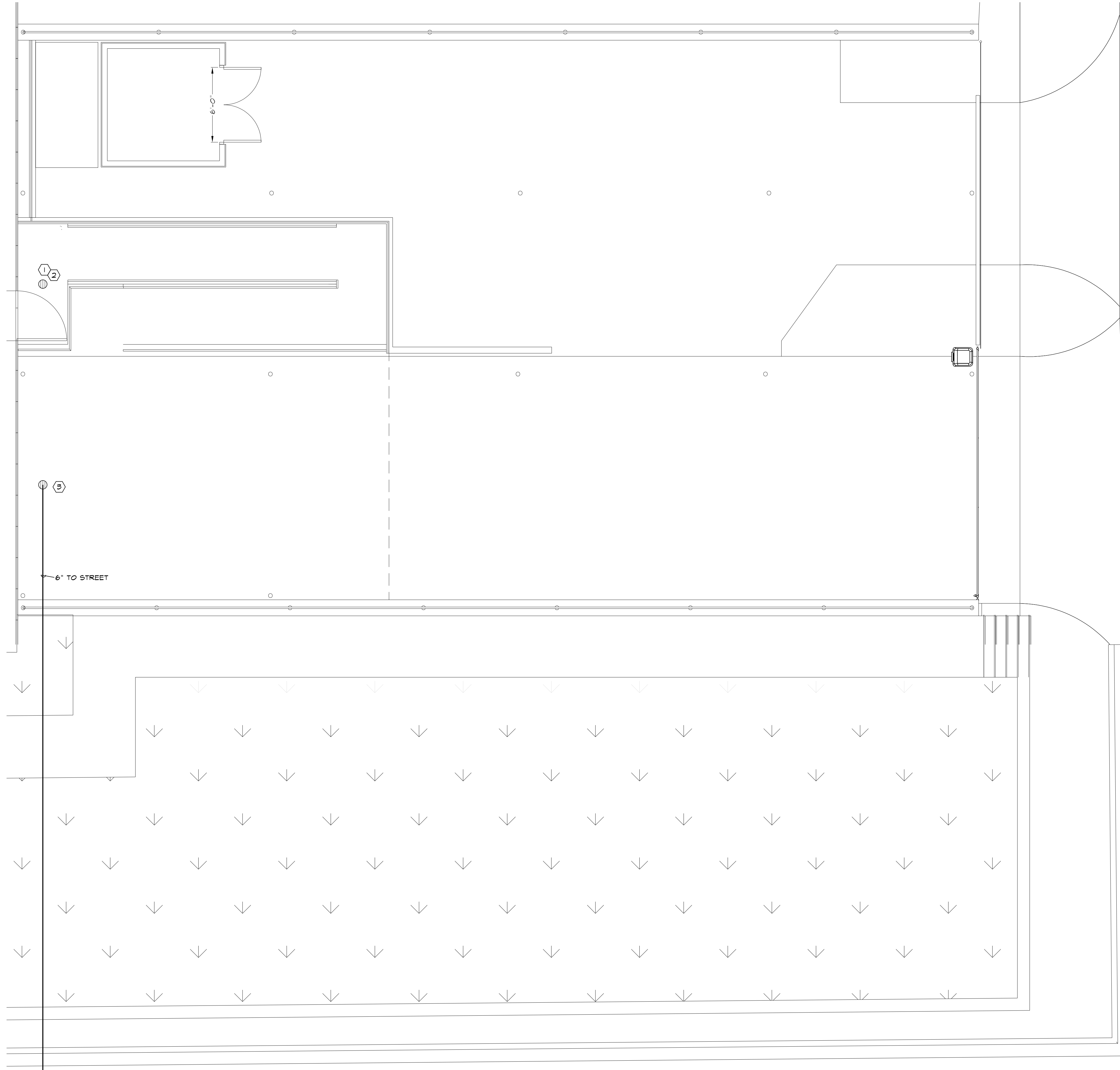
PROJECT:  
**STARR COUNTY JUVENILE DETENTION CENTER**  
401 BRITTON AVE  
RIO GRANDE, TX 78582

**GSH ENGINEERING LLC.**  
CONSULTING & MANAGEMENT  
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MCALLEN, TEXAS 78501  
**FIRM# 14580**

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JOB # 2428  
DATE: 02/03/2025  
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① EXTERIOR DOMESTIC WATER  
SCALE: 1/4" = 1'-0"

### GENERAL NOTES:

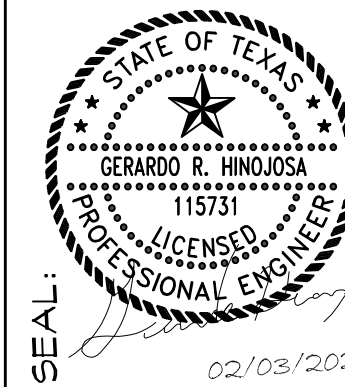
- PLUMBING CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF EXISTING DOMESTIC COLD/HOT LINES, EXISTING DOMESTIC SEWER LINE PRIOR TO COMMENCE PROVIDE WRITTEN REPORT TO OWNER OF EXISTING UTILITIES LOCATIONS.
- COORDINATE EXACT LOCATION OF SANITARY SEWER, AND COLD WATER STUB UPS IN FLOOR, AND STUB THROUGH WALLS FOR PLUMBING FIXTURES PRIOR TO INSTALLATION.
- PLUMBING CONTRACTOR SHALL SAW CUT EXISTING CONCRETE FLOOR AS REQUIRED, AND SHALL PATCH FLOOR AS PER TENANT REQUIREMENTS OR SHALL MATCH EXISTING FLOOR. FIELD VERIFY EXACT LOCATION PRIOR TO SAW CUTTING FLOOR.
- ELECTRICAL CONTRACTOR SHALL VISIT SITE PRIOR TO TO BID PROJECT TO GET A BETTER UNDERSTANDING OF THE SCOPE OF WORK.
- ALL EXISTING PLUMBING FIXTURES AND EQUIPMENT TO BE RELOCATED OR REUSED MUST BE CLEANED, AND ALL DAMAGED PARTS MUST BE REPAIRED OR REPLACED.
- EXISTING PLUMBING FIXTURES NOT TO BE REUSED, SHALL BE RETURNED TO MANAGEMENT. WATER AND SEWER LINES SHALL BE CUT AND CAP AS FAR AS NEEDED TO REPAIR WALL OR FLOORING.
- INFORMATION ON THIS SHEET HAS BEEN TAKEN FROM RECORD DRAWINGS AND SITE SURVEY. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING WORK AND REPORT ANY AND ALL DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THESE PLANS TO THE ENGINEER/ARCHITECT IMMEDIATELY.

### KEY NOTES:

- PLUMBING CONTRACTOR SHALL UNCOVER EXISTING FLOOR DRAIN FIXTURE TO INSPECT INTERIOR DRAIN WATER LINE. ALL DAMAGE RAIN WATER LINE SHALL BE REPAIRED BY APPROVED PLUMBING CODES. IF SECTIONS OF DRAIN LINE IS UNREPAIRABLE, THOSE SECTIONS OF DRAIN LINE SHALL BE REPLACE. NOTE: PROVIDE ON BASE BID, AS AN ALTERNATIVE, A PROPOSAL PER LINEAR FOOT TO REPLACE DRAIN LINE SECTION.
- PLUMBING CONTRACTOR SHALL INSPECT EXISTING SUMP PUMP FOR EXISTING DRAIN. PROVIDE WRITTEN REPORT OF EXISTING CONDITIONS. REPLACE AS REQUIRE. NOTE: PROVIDE ON BASE BID, AS AN ALTERNATIVE, A PROPOSAL TO REPLACE EXISTING SUMP PUMP.
- PROVIDE AND INSTALL A HEAVY DUTY, HEAVY TRAFFIC DRAIN WITH SUMP PUMP. ROUTE DRAIN LINE TO STREET AT SOUTH SIDE OF BUILDING. FIELD VERIFY EXACT LOCATION/REQUIREMENTS PRIOR TO COMMENCE WORK.

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### PLUMBING EXTERIOR PLAN



PROJECT: STARR COUNTY JUVENILE DETENTION CENTER  
401 BRITTON AVE  
RIO GRANDE, TX 78582

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DATE: 02/03/2025  
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PLUMBING NOTES:

1. BEFORE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS, ELEVATIONS AND CHARACTERISTICS OF UTILITIES AND PIPING AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES.
2. EXACT LOCATION AND MOUNTING HEIGHTS OF PLUMBING FIXTURES SHALL BE OBTAINED FROM ARCHITECTURAL DRAWINGS.
3. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS WITH UTILITY COMPANIES FOR SERVICE AND CONNECTIONS AND SHALL PAY ALL FEES, CHARGES, PERMITS, INCLUDING COST OF VAULTS AND METERS.
4. ALL VENT AND FLUE OUTLETS SHALL BE 10'-0" MINIMUM FROM ANY FRESH AIR INTAKES OR TERMINATE 3'-0" ABOVE ANY FRESH AIR INTAKE.
5. THE CONTRACTOR SHALL PROVIDE: ALL FAUCETS, TRAPS, TRAP PRIMERS, STOPS, GATE VALVES, GAS COCKS, BACKFLOW PREVENTION DEVICE, WATER HAMMER ARRESTORS, CLEANOUT COVERS AND INDIRECT WASTE TO AN APPROVED RECEPTOR.
6. INSTALL ALL PLUMBING TO AVOID INTERFERENCE WITH ELECTRICAL AND MECHANICAL EQUIPMENT AND FRAMING.
7. THE CONTRACTOR SHALL RECORD ON AS-BUILT DRAWINGS ALL SIZES, LOCATIONS, AND MATERIALS OF EXISTING PIPING ENCOUNTERED DURING EXCAVATION AND NEW PIPING INSTALLED.
8. CONTRACTOR SHALL LABEL ALL ACCESSIBLE GAS & WATER SHUT-OFFS
9. REFER TO ARCHITECTURAL FLOOR PLANS FOR EXACT LOCATIONS OF PLUMBING FIXTURES WITH KITCHEN DRAWINGS AND ADJUST ROUTING OF PIPING IF NECESSARY.
10. PLUMBING CONTRACTOR SHALL COORDINATE EXACT LOCATION OF PLUMBING ROUGH IN
11. PLUMBING CONTRACTOR SHALL COORDINATE SITE UTILITIES WITH ARCHITECT AND CIVIL ENGINEER.
12. ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL LOCAL CODES, RULES AND REGULATIONS.
13. UPON COMPLETION OF JOB, THIS CONTRACTOR SHALL INSPECT ALL EXPOSED PORTIONS OF THE PLUMBING INSTALLATION AND COMPLETELY REMOVE ALL EXPOSED LABELS, SOIL, MARKINGS, AND FOREIGN MATERIAL EXCEPT PRODUCT LABELS AND THOSE REQUIRED BY LAW.
14. "ALL BURRED ENDS OF ALL (POTABLE WATER) PIPING AND TUBING SHALL BE REAMED TO THE FULL BORE OF THE PIPE OR TUBE AND ALL CHIPS SHALL BE REMOVED (SEE 94 UNIFORM PLUMBING CODE SECTION 310).
15. INSULATE CONDENSATE DRAIN LINES BELOW ROOF FROM A/C EQUIPMENT WITH 1/2" MINIMUM UNICELLULAR FOAM TO PREVENT CONDENSATE DRIP.
16. INSULATION: ALL HOT AND COLD WATER PIPING AND TEMPERED WATER PIPING SHALL BE INSULATED WITH "PPG" INDUSTRIES, CERTAIN-TEED SNAP-WRAP OR MANVILLE MICRO-LOK, AIR CONDITIONER CONDENSATE DRAIN LINES SHALL BE INSULATED WITH MANVILLE "AEROTUBE" FOAM PLASTIC PIPE INSULATION.
17. WATER HAMMER ARRESTORS: SHALL BE ALL STAINLESS STEEL CONSTRUCTION, BELLOWS-TYPE "PDI" APPROVED AND CERTIFIED SIZING AND PLACEMENT CONFIRMING TO PLUMBING AND DRAINAGE INSTITUTE STANDARD "PDI-WH 201" LATEST EDITION AND AS MANUFACTURED BY J.R. SMITH, ZERN, OR PPP INC.
18. CLEANOUTS: SHALL BE MANUFACTURED BY J.R. SMITH, ZERN, JOSAM OR FP & M AS FOLLOWS:  
A. FINISHED ROOM FLOORS: J.R. SMITH 4163 W/ N.B. TOP GASKETED WATERTIGHT COVER.  
B. WALLS: J.R. SMITH 4532 W/ BRONZE PLUG AND CHROME PLATED COVER.  
C. YARD AND PARKING LOT: J.R. SMITH 4253 CAST IRON SURFACE LEVEL CLEANOUT.
19. GAS PIPING: SHALL BE SCHEDULE 40 BLACK STEEL PIPE CONFORMING TO ASTM A53 GRADE A AND B, WITH 150 LB. BLACK MALLEABLE IRON SCREWED FITTINGS AND COUPLINGS. GAS VALVES 1" AND SMALLER SHALL BE LEVER HANDLE TYPE WITH CHECK, ALL BRONZE SCREWED, "CRANE NO. 298" OR EQUAL, 1-1/4" AND LARGER VALVES SHALL BE IRON BODY WITH BRONZE SQUARE HEAD PLUG, "CRANE NO. 324 " OR EQUAL. PROVIDE OPERATING WRENCH WHERE REQUIRED FOR EACH VALVE. PROVIDE APPROVED GAS PRESSURE REGULATORS. NATURAL GAS RIGHT AND LEFT HAND NIPPLES AND COUPLINGS SHALL BE NEW BLACK IRON. UNIONS SHALL NOT BE USED EXCEPT AT UNITS AND VALVES.

PLUMBING FIXTURE SCHEDULE		
DESIGNATION	DESCRIPTION	SPECIFICATION
S-1	SINGLE COMPARTMENT SINK	KOHLER "STACCATO" MODEL #K-3363-S 20"x20"x8" SINGLE COMPARTMENT STAINLESS STEEL SINK WITH STAINLESS STEEL STRAINER, 1 1/2" TRAP WITH CLEAN OUT PLUG AND TAILPIECE, ANGLE STOPS WITH FLEXIBLE RISERS, AND HOT/COLD FAUCET CHICAGO #431-ABCP.
SH-1	SHOWER	T & S MODEL #B-1092 VANDAL RESISTANT SHOWER HEAD WITH T & S MODEL #B-109T CHROME PLATED PRESSURE-BALANCING MIXING VALVE WITH ADJUSTABLE STOP SCREW TO LIMIT HANDLE TURN, CHROME PLATED SHOWER DRAIN WITH STRAINER.
WB-1	WASHER BOX	PLASTIC RECESSED BOX WITH HOT WATER AND COLD WATER HOSE BIBBS AND 2" DRAIN.

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DRAWING TITLE:

PLUMBING  
DETAILS



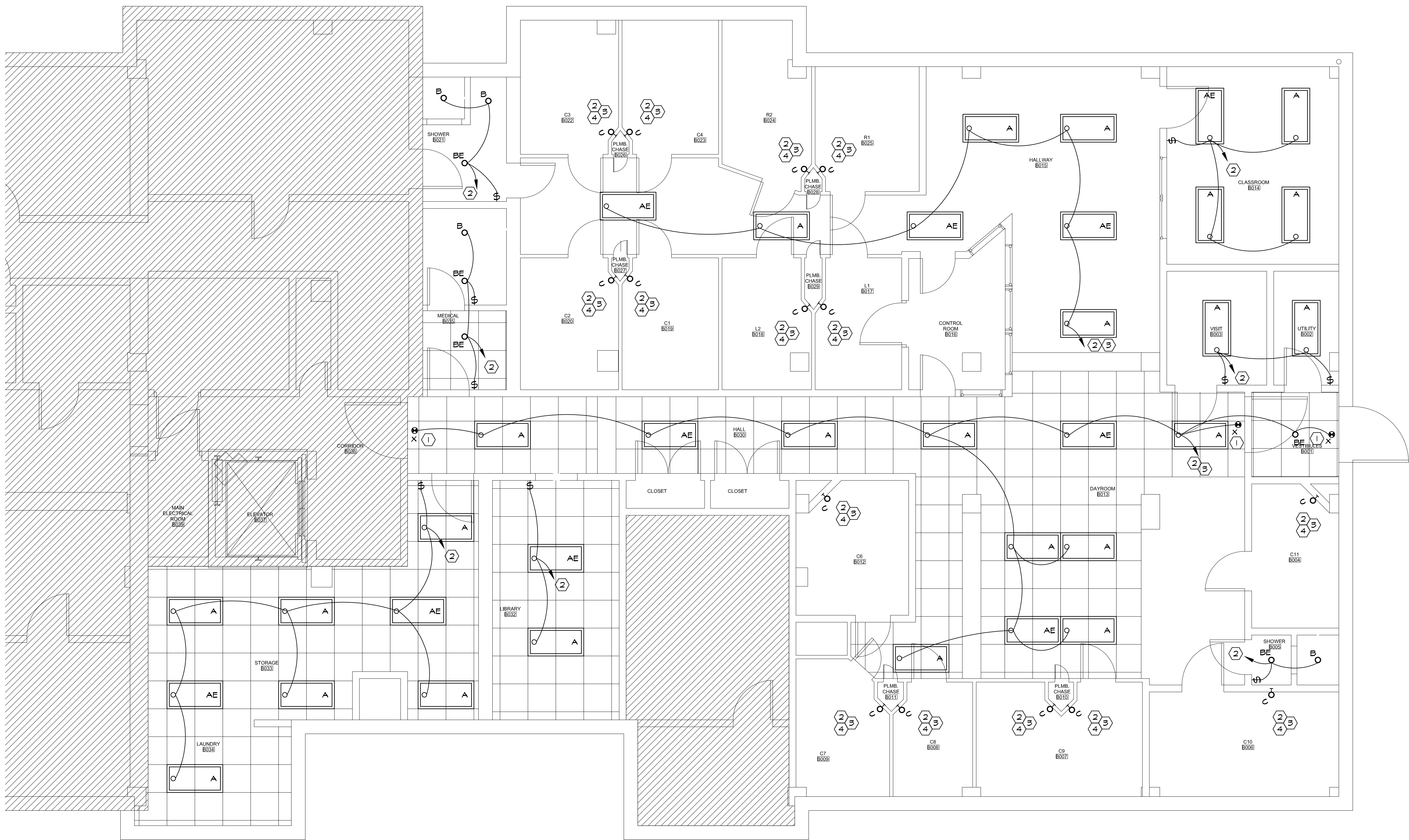
PROJECT:  
STARR COUNTY JUVENILE  
DETENTION CENTER  
401 BRITTON AVE  
RIO GRANDE, TX 78582

GSH ENGINEERING LLC.  
CONSULTING & MANAGEMENT  
900 E. BEECH AVE  
MCALLEN, TEXAS 78501  
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CHECKED: GSH  
JOB # 2428  
DATE: 02/03/2025  
DRAWING NO:

P2.1





BASEMENT  
ELECTRICAL LIGHTING PLAN  
SCALE: 1/4"=1'-0"

### GENERAL NOTES:

- ALL EMERGENCY LIGHTING NOTED SHALL BE FURNISHED WITH 90-MINUTE EMERGENCY BATTERY PACKS AND BE CONNECTED TO A NON-SWITCHED CIRCUIT THAT REMAINS ON 24 HOURS PER DAY.
- ALL LIGHTING FIXTURES SHALL BE LISTED BY UNDERWRITER'S LABORATORIES, INC. FOR THE USE INTENDED.
- INTERIOR LIGHTING SHALL BE CONTROLLED BY INDEPENDENT SWITCHES OR BY SWITCH DUTY RATED CIRCUIT BREAKERS, UNLESS OTHERWISE NOTED.
- ALL LIGHTING LOCATED OUTDOORS SHALL HAVE UL WET LOCATION LISTING AND BE CONTROLLED BY A PHOTOCELL.
- ALL LIGHTING LOCATED IN AREAS SUBJECT TO WATER SHALL HAVE UL WET LOCATION LISTINGS.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE ALL OWNER SELECTED FIXTURES, IF APPLICABLE, WITH THE OWNER AND SHALL BE SUPPLIED BY THE ELECTRICAL CONTRACTOR WITH THE APPROPRIATE LAMP TYPE AND QUANTITY.
- ALL LIGHT SWITCHES SHALL BE MOUNTED AT 48 INCHES ABOVE FINISHED FLOOR TO CENTER OF BOX UNLESS OTHERWISE NOTED.
- ELECTRICAL CONTRACTOR SHALL VISIT SITE PRIOR TO TO BID PROJECT TO GET A BETTER UNDERSTANDING OF THE SCOPE OF WORK.
- INFORMATION ON THIS SHEET HAS BEEN TAKEN FROM RECORD DRAWINGS AND SITE SURVEY. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING WORK AND REPORT ANY AND ALL DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THESE PLANS TO THE ENGINEER/ARCHITECT IMMEDIATELY.

### KEY NOTES:

- EXIT SIGN MOUNTED ON CEILING OR WALL ABOVE CENTER OF DOOR(S). ROUTE ELECTRICAL CIRCUIT TO EXISTING LIGHTING CIRCUIT SERVING THE AREA.
- ELECTRICAL CONTRACTOR SHALL CIRCUIT NEW LIGHTING FIXTURES SERVING EACH AREA. RE-USE EXISTING LIGHT CIRCUIT SERVING THIS AREA. FIELD VERIFY REQUIREMENTS PRIOR TO INSTALLATION.
- EXISTING LIGHTING CONTROLS SHALL REMAIN. LIGHTING CONTROLS ARE FROM THE COMMAND CENTER. FIELD VERIFY EXACT LOCATION/REQUIREMENTS PRIOR TO COMMENCE WORK. COORDINATE WITH OWNER.
- REMOVE OLD LIGHTING FIXTURE AND DISPOSE OF IT PROPERLY. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL NEW LIGHTING FIXTURE IN SAME LOCATION. PATCH WALL AS REQUIRED AND PAINT TO MATCH EXISTING WALL.

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DRAWING TITLE:  
**ELECTRICAL LIGHTING PLAN**

SEAL:

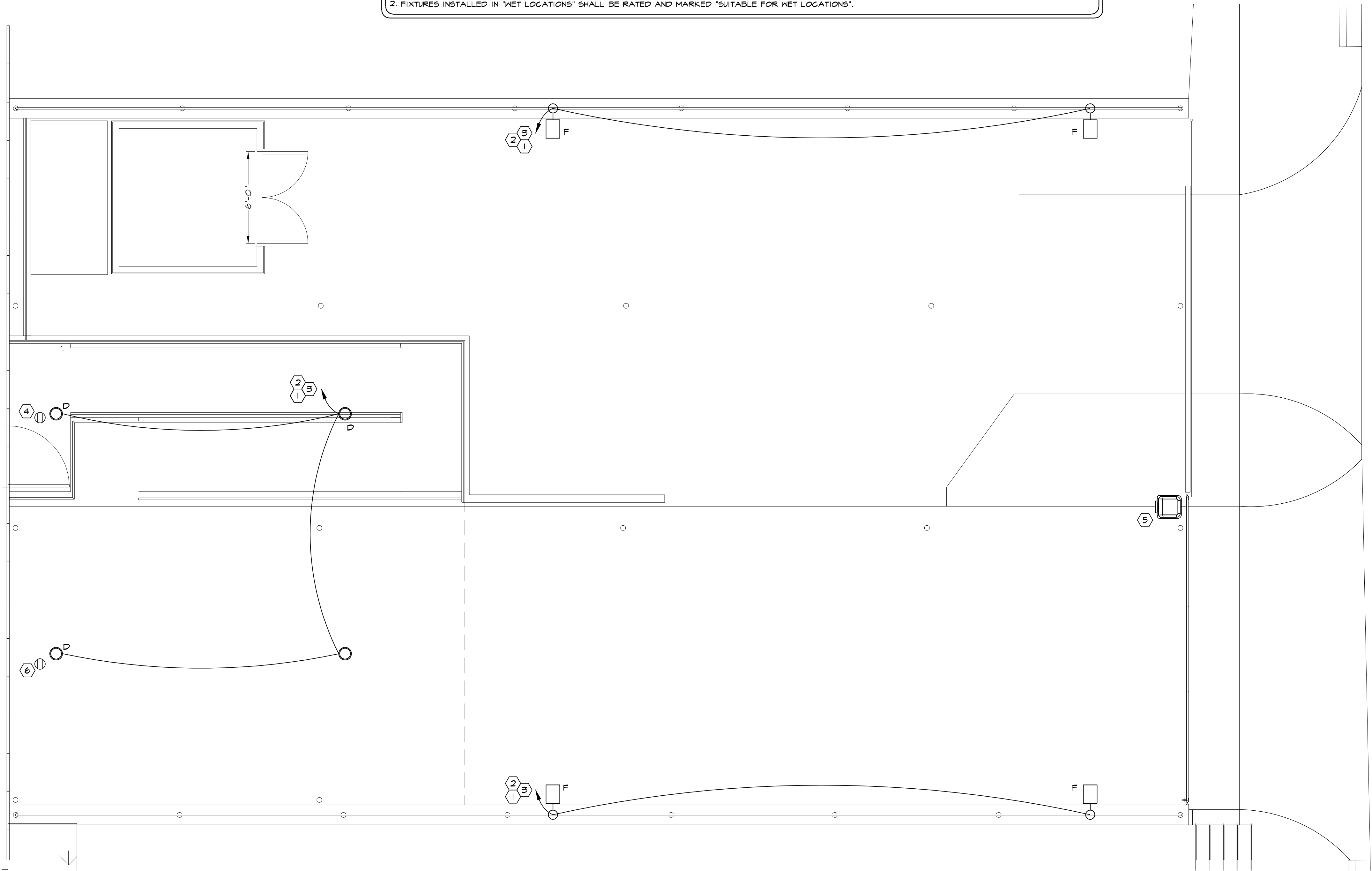
PROJECT:  
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LIGHTING FIXTURE SCHEDULE						
TAG	FIXTURE			LAMPS		FIXTURE DESCRIPTION
	MFR.	MODEL NO.	MOUNT	TYPE	VOLT	
A	LUMINAIRE LED	VRP-2X4-F6/FL-NODIM-4000LM-40K-80-MVOLT	LAY-IN/ RECESSED	LED-40W	MVOLT	LED 2X4, 4000 LUMENS, 4000K COLOR TEMPERATURE, VANDAL RESISTANT PANEL 16 GA. ALUMINUM WITH SEAM WELD
AE	LUMINAIRE LED	VRP-2X4-F6/FL-NODIM-4000LM-40K-80-MVOLT-EMBS10ST	LAY-IN/ RECESSED	LED-40W	MVOLT	LED 2X4, 4000 LUMENS, 4000K COLOR TEMPERATURE, VANDAL RESISTANT PANEL 16 GA. ALUMINUM WITH SEAM WELD, BATTERY BACK-UP.
B	ALPHABET	NUG-RDTR-SW-20LM-40K-80-S560-UNV-DIM10	RECESSED	LED-16W	MVOLT	6" ROUND DOWNLIGHT TAMPER RESISTANT STANDARD WHITE, 1500LM, 4000K, 80CRI.
BE	ALPHABET	NUG-RDTR-SW-20LM-40K-80-S560-UNV-DIM10-EM12	RECESSED	LED-16W	MVOLT	6" ROUND DOWNLIGHT TAMPER RESISTANT STANDARD WHITE, 1500LM, 4000K, 80CRI, BATTERY BACK-UP.
C	LUMINAIRE LED	SMP-S12-H14CRSP-NODIM-25W-40K-MVOLT-CLS-IES	WALL MOUNT/ SURFACE	LED-21W	MVOLT	SURFACE, WALL MOUNT HIGH SECURITY CONFINEMENT, ONE PIECE DIE FORMED HOUSING, 11"X23" COORDINATE FINISH COLOR PRIOR TO ORDER.
D	LITHONIA LIGHTING	LDN6CYL-40/20-LO6AR-LS-MVOLT-SZ10-FCM	SURFACE	LED-30W	MVOLT	6IN CYLINDER 2000LM, 4000K CLEAR SEMI-SPECULAR 80CRI, COLOR SELECTED BY ARCHITECT.
F	LITHONIA LIGHTING	RSX1-LED-P3-40K-R4-MVOLT-PE	POLE	LED-51W	MVOLT	RSX AREA FIXTURE P3 LUMEN PACKAGE 4000K CCT TYPE R4 DISTRIBUTION, UL LISTED FOR WET LOCATION, PROVIDE PHOTO CONTROL BUTTON STYLE, MOUNT LIGHT FIXTURE TO EXISTING FENS POST, FIELD VERIFY EXACT REQUIREMENTS PRIOR TO COMMENCE.
X	LIGHTING FIXTURE INDUSTRIES	EMELRT-R	WALL MOUNT /TOP MOUNT	INCLUDED	MVOLT	LED, ROTATING EDGE LIT EXIT SIGN, RED LED BATTERY BACKUP, DINNING AREA TO BE TOP MOUNT, OTHERS WALL MOUNT.
NOTES: 1. FIXTURE CATALOG NUMBERS ARE INDICATED FOR GUIDANCE PURPOSES. ALL WRITTEN DESCRIPTION IN SPECIFICATIONS AND ON DRAWINGS SHALL APPLY. NO EQUAL LIGHTING PACKAGED WILL BE ALLOWED. 2. FIXTURES INSTALLED IN "WET LOCATIONS" SHALL BE RATED AND MARKED "SUITABLE FOR WET LOCATIONS".						



EXTERIOR  
ELECTRICAL LIGHTING PLAN  
SCALE: 1/4"=1'-0"

## GENERAL NOTES:

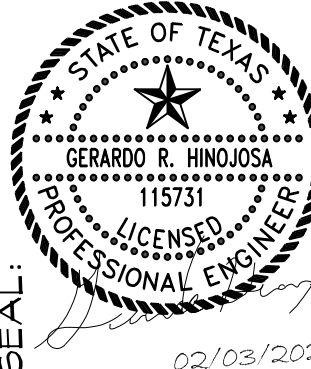
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- ALL LIGHT SWITCHES SHALL BE MOUNTED AT 48 INCHES ABOVE FINISHED FLOOR TO CENTER OF BOX UNLESS OTHERWISE NOTED.
- ELECTRICAL CONTRACTOR SHALL VISIT SITE PRIOR TO TO BID PROJECT TO GET A BETTER UNDERSTANDING OF THE SCOPE OF WORK.
- INFORMATION ON THIS SHEET HAS BEEN TAKEN FROM RECORD DRAWINGS AND SITE SURVEY. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING WORK AND REPORT ANY AND ALL DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THESE PLANS TO THE ENGINEER/ARCHITECT IMMEDIATELY.

## KEY NOTES:

- ELECTRICAL CONTRACTOR SHALL CIRCUIT NEW LIGHTING FIXTURES SERVING EACH AREA. RE-USE EXISTING LIGHT CIRCUIT SERVING THIS AREA. FIELD VERIFY REQUIREMENTS PRIOR TO INSTALLATION.
- EXISTING LIGHTING CONTROLS SHALL REMAIN. FIELD VERIFY EXACT LOCATION/REQUIREMENTS PRIOR TO COMMENCE WORK. COORDINATE WITH OWNER.
- REMOVE OLD LIGHTING FIXTURE AND DISPOSE OF IT PROPERLY. ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL NEW LIGHTING FIXTURE IN SAME LOCATION. PATCH WALL AS REQUIRED AND PAINT TO MATCH EXISTING WALL.
- ELECTRICAL CONTRACTOR SHALL FIELD VERIFY EXISTING POWER TO SUMP PUMP IS IN GOOD WORKING CONDITIONS AND IS CODE COMPLIANCE. COORDINATE EXACT LOCATION WITH PLUMBING CONTRACTOR.
- ELECTRICAL CONTRACTOR SHALL CIRCUIT NEW GATE MOTOR. RE-USE EXISTING CIRCUIT SERVING THE EXISTING GATE MOTOR. MAKE FINAL CONNECTION. FIELD VERIFY EXACT LOCATION/REQUIREMENTS PRIOR TO COMMENCE WORK.
- PROVIDE ELECTRICAL SERVICE TO NEW SUMP PUMP. ROUTE TO NEAREST ELECTRICAL PANEL. FIELD VERIFY EXACT LOCATION/REQUIREMENTS PRIOR TO COMMENCE WORK. COORDINATE WITH PLUMBING CONTRACTOR FOR EXACT LOCATION AND POWER REQUIREMENTS.

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ELECTRICAL  
EXTERIOR  
LIGHTING PLAN



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