ABBREVIATIONS

ABV	above
AFF	above finish floor
ASC	above suspended ceiling
ACC	access
ACFL	access floor
AP	access panel
AC	acoustical
ACPL	acoustical plaster
ACT	acoustical tile
ACR	acrylic plastic
ADD	addendum
ADH	adhesive
ADJ	adjacent
ADJT	adjustable
AGG	aggregate
A/C	air conditioning
ALT	alternate
AL	aluminum
ANC	anchor, anchorage
AB	anchor bolt
ANOD	anodized
APX	approximate
ARCH	architect (ural)
AD	area drain
ASB	asbestos
ASPH	asphalt
AT	asphalt tile
AUTO	automatic
BP	back plaister (ed)
BSMT	basement
BRG	bearing
BPL	bearing plate
BJT	bed joint
BM	bench mark
BEL	below
BET	between
BVL	beveled
BIT	bituminous
BLK	block
BLKG	blocking
BD	board
BW	both ways
BOT	bottom
BRK	brick
BRZ	bronze
BLDG	building
BUR	built up roofing
BBD	bulletin board
CAB	cabinet
CAD	cadmium
CPT	carpet (ed)
CSMT	casement
CI	cast iron
CIPC	cast-in-place concrete
CST	cast stone
CB	catch basin
CK	calk (ing) caulk (ing)
CLG	ceiling
CHT	ceiling height
CEM	cement
CPL	cement plaster (portland)
CM	centimeter (s)
CER	ceramic
CT	ceramic tile
CMT	ceramic mosaic (tile)
CKBD	chalkboard
CHAM	chamfer
CR	chromium (plated)
CIR	circle
CIRC	circumference
CLR	clear (ance)
CLS	closure
COL	column
COMB	combination
COMPT	compartment
COMPO	composition (composite)
COMP	compress (ed), (ion), (ible)
CONC	concrete
CMU	concrete masonry unit
CX	connection
CONST	construction
CONT	continuous or continue
CONTR	contract (or)
CLL	contract limit line
CJT	control joint
CPR	copper
CG	corner guard
CORR	corrugated
CTR	counter
CFL	counterflashing
CS	countersink
CTSK	countersunk screw
CRS	course (s)
CRG	cross grain
CFT	cubic foot
CYD	cubic yard
DPR	damper
DP	dampproofing
DL	dead load
DEM	demolish, demolition
DMT	demountable
DEP	depressed
DLT	detail
DIAG	diagonal
DIAM	diameter
DIM	dimension
DPR	dispenser
DIV	division
DR	door
DA	doubleacting
DH	double hung
DTA	dovetail anchor
DTS	dovetail anchor slot
DS	downspout
D	drain
DRB	drainboard
DT	drain tile
DWR	drawer
DWG	drawing
DF	drinking fountain
DW	dumbwaiter
EF	each face
E	east
ELEC	electric (al)
EP	electrical panelboard
EWC	electric water cooler
EL	elevation
ELEV	elevator
EMER	emergency
ENC	enclose (ure)
EQ	equal
EQP	equipment
ESC	escalator
EST	estimate
EXCA	excavate
EXH	exhaust
EXG	existing
EXMP	expanded metal plate
EB	expansion bolt
EXP	exposed
EXT	exterior
EXS	extra strong
FB	face brick
FOC	face of concrete
FOF	face of finish
FOM	face of masonry
FOS	face of studs
FF	factory finish
FAS	fasten fastener
FBD	fiberboard
FN	fence
FGL	fiberglase
FIN	finish (ed)
FFE	finished floor elevation
FFL	finished floor line
FA	fire alarm
FBRK	fire brick
FE	fire extinguisher
FEC	fire extinguisher cabinet
FHS	fire hose station
FPL	fireplace
FP	fireproof
FRC	fire-resistant coating
FRT	fire-retardant
FLG	flashing
FHMS	flathead machine screw
FHWS	flathead wood screw
FLX	flexible
FLR	floor (ing)
FLCO	floor cleanout
FD	floor drain
FPL	floor plate
FLUR	fluorescent
FJT	flush joint
FTG	footing
FRG	forged
FND	foundation
FR	frame (d), (ing)
FRA	fresh air
FS	full size
FBO	furnished by others
FUR	furred (ing)
FUT	future
GA	gage, gauge
GV	galvanized
GI	galvanized iron
GP	galvanized pipe
GSS	galvanized steel sheet
GKT	gasket (ed)
GC	general contract (or)
GL	glass, glazing
GLB	glass block
GLF	glass fiber
GCMU	glazed concrete masonry units
GST	glazed structural tile
GB	grab bar
GD	grade, grading
GRN	granite
GVL	gravel
GF	ground face
GT	grout
GPDW	gypsum dry wall
GPL	gypsum lath
GPPL	gypsum plaster
GPT	gypsum tile
HH	handhold
HBD	hardboard
HDW	hardware
HWD	hardwood
HJT	head joint
HDR	header
HTG	heating
HVAC	heating/ventilation/air conditioning
HD	heavy duty
HT	height
HX	hexagonal
HES	high early-strength
HC	hollow core
HM	hollow metal
HK	hook (s)
HOR	horizontal
HB	hose bibb
HWH	hot water heater
INCIN	incinerator
INCL	include (d), (ing)
ID	inside diameter
INS	insulate (d), (ion)
INSC	insulating concrete
INSF	insulating fill
INT	interior
ILK	interlock
INTM	intermediate
INV	invert
IPS	iron pipe size
JC	janitor's closet
JT	joint
JF	joint filler
J	joist
KCPL	keene's cement plaster
KPL	kickplate
KIT	kitchen
KO	knockout
LBL	label
LAB	laboratory
LAD	ladder
LB	lag bolt
LAM	laminate
LAV	lavatory
LH	left hand
L	length
LT	light
LC	light control
LP	lightproof
LW	lightweight
LWC	lightweight concrete
LMS	limestone
LTL	lintel
LL	live load
LVR	louver
LPT	low point
MB	machine bolt
MI	malleable iron
MH	MH manhole
MFR	manufacture (er)
MRB	marble
MFR	manufacture (er)
MAS	masonry
MO	masonry opening
MTL	material (s)
MAX	maximum
MECH	mechanic (al)
MC	medicine cabinet
MED	medium
MBR	member
MMB	membrane
MET	metal
MFD	metal floor decking
MTFR	metal furring
MRD	metal roof decking
MTHR	metal threshold
M	meter
MM	millimeter (s)
MWK	millwork
MIN	minimum
MIR	mirror
MISC	miscellaneous
MOD	modular
MLD	molding, moulding
MR	mop receptor
MT	mount (ed), (ing)
MOV	movable
MULL	mullion
NL	nailable
NAT	natural
NI	nickel
NR	noise reduction
NRC	noise reduction coefficient
NOM	nominal
NOM	nonmetallic
N	North
NIC	not in contract
NTS	not to scale
OBS	obscure
OC	on center (s)
OP	opaque
OPG	opening
OJ	open-web joist
OPP	opposite
OPH	opposite hand
OPS	opposite surface
OD	outside diameter
OHMS	ovalhead machine screw
OHWS	ovalhead wood screw
OA	overall
OH	overhead
PNT	paint (ed)
PNL	panel
PB	panic bar
PTD	paper towel dispenser
PTR	paper towel receptor
PAR	parallel
PK	parking
PBD	particle board
PTN	partition
PV	pave (d), (ing)
PVMT	pavement
PED	pedestal
PERF	perforate (d)
PERI	perimeter
PLAS	plaster
PLAM	plastic laminate
PL	plate
PG	plate glass
PWD	plywood
PT	point
PVC	polyvinyl chloride
PE	porcelain enamel
PTC	post-tensioned concrete
PCF	pounds per cubic foot
PFL	pounds per linear foot
PSF	pounds per square foot
PSI	pounds per square inch
PCC	precast concrete
PFB	prefabricate (d)
PFN	prefinished
PRF	preformed
PSC	prestressed concretee
PL	property line
QT	quarry tile
RBT	rabbet, rebate
RAD	radius
RL	rail (ing)
RWC	rainwater conductor
REF	reference
RFL	reflect (ed),(ive)(or)
REFR	refrigerator
REG	register
RE	reinforce (d), (ing)
RCP	reinforced concrete pipe
REM	remove
RES	resilient
RET	return
RA	return air
RVS	reverse (side)
REV	revision (s), revised
RH	right hand
ROW	right of way
R	riser
RVT	rivet
RD	roof drain
RFH	roof hatch
RM	room
RO	rough opening
RB	rubber base
RBT	rubber tile
RBL	rubber stone
SFGL	safety glass
SCH	schedule
SCN	screen
SNT	sealant
STG	seating
SEC	section
SSK	service sink
SHTH	sheating
SHT	sheet
SG	sheet glass
SH	shelf, shelving
SHO	shore (d), (ing)
SIM	similar
SKL	skylight
SL	sleeve
SC	solid core
SP	sound proof
S	south
SPC	spacer
SPK	speaker
SPL	special
SPEC	specification(s)
SQ	square
SST	stainless steel
STD	standard
STA	station
ST	steel
STO	storage
SD	storm drain
STR	structural
SCT	structural clay tile
SUS	suspended
SYM	symmetry (ical)
SYN	synthetic
SYS	system
TKBD	tackboard
TKS	tackstrip
TEI	telephone
TV	television
TC	terra cotta
TZ	terrazo
THK	thick (ness)
THR	threshold
TPTN	toilet partition
TPD	toilet paper dispenser
TOL	tolerance
T&G	tongue and groove
TSL	top of slab
TST	top of steel
TW	top of wall
TB	towel bar
TR	transom
T	tred opening
TYP	typical
UC	undercut
UNF	unfinished
UR	urinal
VJ	v-joint
VB	vapor barrier
VAR	varnish
VNR	veneer
VRM	vermiculite
VERT	vertical
VG	vertical grain
VIN	vinyl
VAT	vinyl asbestos tile
VB	vinyl base
VF	vinyl fabric
VT	vinyl tile
WSCT	wainscot
WTW	wall to wall
WH	wall hung
WC	water closet
WP	waterproofing
WR	water repellent
WS	waterstop
WWF	welded wire fabric
W	west
WHB	wheel bumper
W	width, wide
WIN	window
WG	wired glass
WM	wire mesh
WO	without
WD	wood
WB	wood base
WPT	working point
WI	wrought iron

MATERIALS LEGEND

- CONTINUOUS WOOD BLOCKING
- NON-CONTINUOUS WOOD BLOCKING (SHIM)
- STEEL
- GYPSUM BOARD
- PLYWOOD
- RIGID INSULATION
- BATT INSULATION
- CONCRETE MASONRY UNITS

SYMBOLS

- X/AX.X — ELEVATION SYMBOL
- X/AX.X — SECTION/DETAIL SYMBOL
- X — WALL TYPE SYMBOL
- X — WINDOW SYMBOL
- ROOM NAME / RM # / FIN # — ROOM NAME & NUMBER SYMBOL, FINISH NUMBER
- XX — DOOR SYMBOL

GENERAL NOTES

1. ALL CONSTRUCTION INCLUDING MATERIAL AND WORKMANSHIP, SHALL 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.

LRGVDC VALLEY METRO EDINBURG TRANSIT TERMINAL

OFFICE BUILDING 1ST FLOOR FINISH-OUT PHASE III

617 UNIVERSITY DR, EDINBURG, TX. 78539

ISSUE FOR BIDS

LRGVDC - BOARD OF DIRECTORS

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SANDRA ALANIZ	DIRECTOR
VERONICA GONZALES	DIRECTOR

PROJECT CONTACTS

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MEP:
LEONARDO MUNOZ, P.E.
TRINITY MEP ENGINEERING
3533 MORELAND DR.
WESLACO, TX 78576
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INDEX OF DRAWINGS

LOCATION MAP

MILNET ARCHITECTURAL SERVICES
AMERICAN INSTITUTE OF ARCHITECTS

03/12/2024

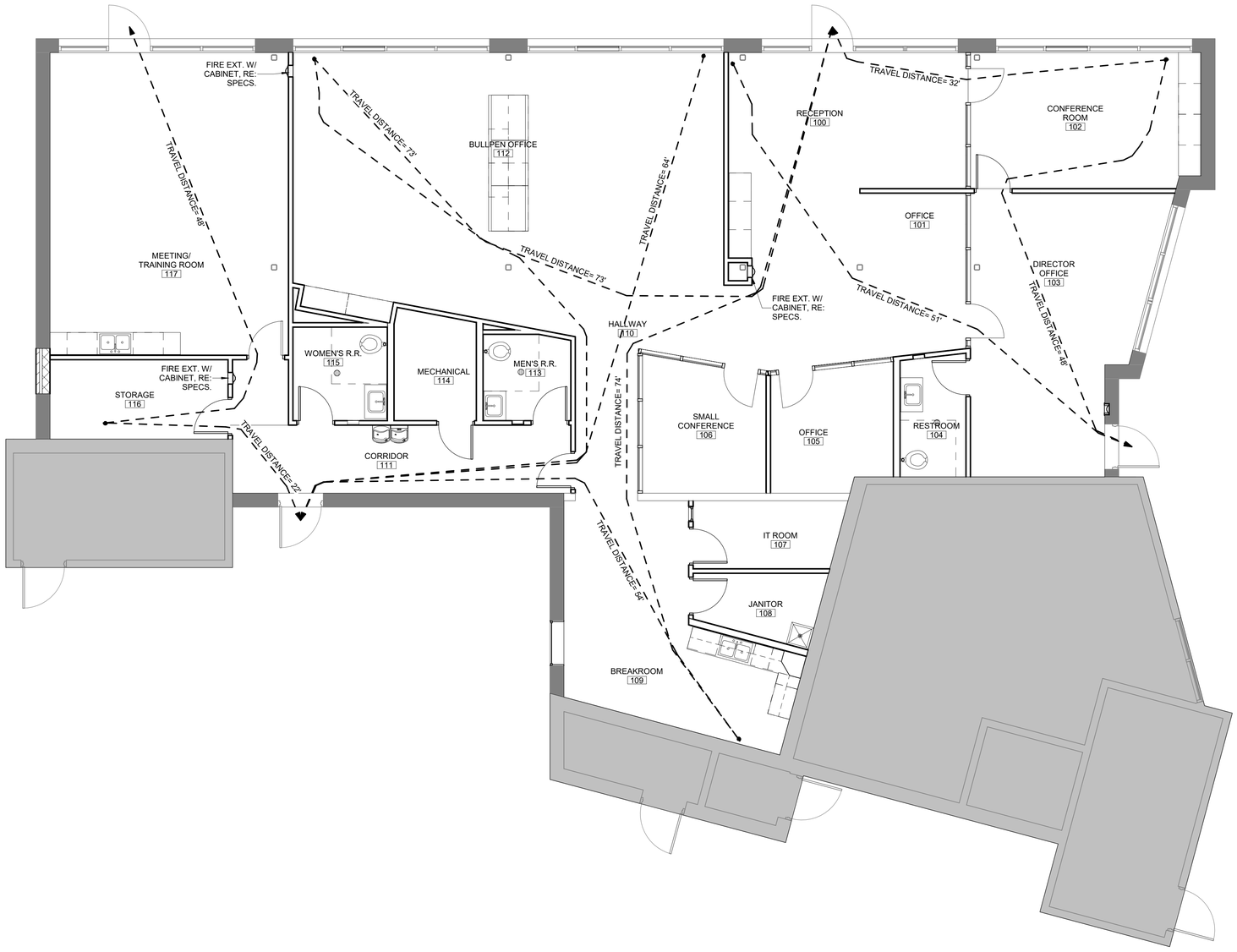
LRGVDC VALLEY METRO EDINBURG TRANSIT TERMINAL
OFFICE BUILDING 1ST FLOOR FINISH-OUT PHASE III
617 UNIVERSITY DR. EDINBURG, TEXAS 78539

PROJECT NUMBER
224004

DATE
03/12/2024

CONSTRUCTION DOCUMENTS

SHEET NUMBER
A0.0



1 LIFE SAFETY PLAN
3/16" = 1'-0"

N

GENERAL NOTES:

1. OCCUPANT LOAD SIGNS SHALL BE POSTED IN ANY ROOM WITH AN OCCUPANT LOAD OVER 50
2. PROVIDE PANIC HARDWARE FOR GROUP "A" OCCUPANCIES WITH AN OCCUPANT LOAD OF 50 OR MORE.
3. ALL FIRE AND SMOKE STOP RATED PARTITIONS MUST BE MARKED WITH 2.5" MIN. RED LETTERING ABOVE CEILING AS FOLLOWS: "FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS"

APPLICABLE CODES:

INTERNATIONAL BUILDING CODE 2018
2012 TEXAS ACCESSIBILITY STANDARDS
INTERNATIONAL MECHANICAL CODE 2018
INTERNATIONAL PLUMBING CODE 2018
2015 NATIONAL ELECTRICAL CODE
INTERNATIONAL ENERGY CODE 2018
INTERNATIONAL FIRE CODE 2018

CODE SUMMARY

BUSINESS
AREA GROSS ..... 4,113 S. F.
OCCUPACY CLASSIFICATION ..... GROUP "B"
CONSTRUCTION TYPE II B - UNPROTECTED, SPRINKLERED

TOTAL AREA GROSS ..... 4,113 S. F.

OCCUPANCY LEGEND

BUSINESS & ANCILLIARY AMENITIES

CODE PLAN LEGEND

LINE TYPE INDICATES: EMERGENCY EXIT PATH OF TRAVEL

MILNET
ARCHITECTURAL
SERVICES

AMERICAN INSTITUTE OF ARCHITECTS

REGISTERED ARCHITECT
ISAAC R. MILNET
14740
STATE OF TEXAS

03/12/2024

LRGVDC VALLEY METRO EDINBURG TRANSIT
TERMINAL OFFICE BUILDING 1ST FLOOR
FINISH-OUT PHASE III
617 UNIVERSITY DR. EDINBURG, TEXAS 78539

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CONSTRUCTION DOCUMENTS

ISSUED FOR BIDS

SHEET NUMBER
G1.0

BULLPEN OFFICE

LOBBY

BREAKROOM

DIRECTOR'S OFFICE

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DOCUMENTS

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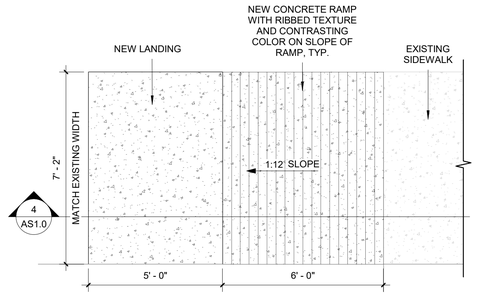
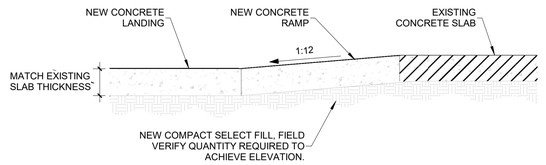
SHEET NUMBER
G1.1

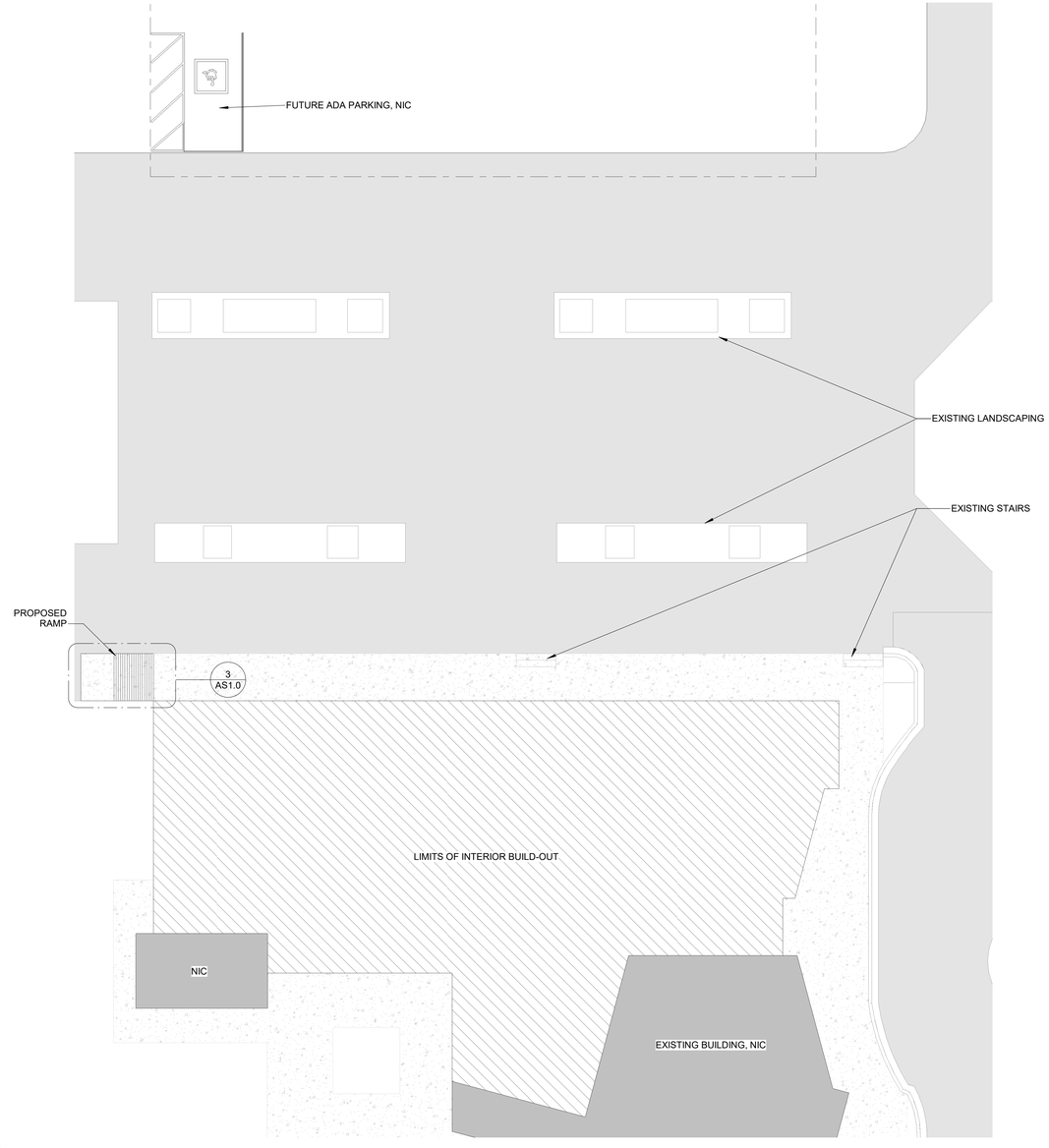
1 EXISTING SITE PLAN
3/64" = 1'-0"



3 PROPOSED RAMP
3/8" = 1'-0"



4 RAMP SECTION
3/8" = 1'-0"



2 ENLARGED SITE PLAN
3/32" = 1'-0"

N

GENERAL NOTES:

1. OWNER WILL PROVIDE SOIL TESTS PRIOR TO FOUNDATION WORKS.

2. PROVIDE RAMP AT SIDEWALK AS PART OF BASE BID.

3. RE: MEP FOR UTILITY CONNECTIONS (U.R. WATER & SEWER.)

4. WARNING:
CONTACT 1-800-DIG-TEST FOR UNDERGROUND ELECTRICAL CABLES IN SITE.

5. ALL CONSTRUCTION AND MATERIALS FOR DRAINAGE, GRADING AND PAVING TO BE IN ACCORD WITH "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION".

6. ALL SOIL PLACED ONTO SITE IS TO BE COMPACTED TO 80% DENSITY, EXCEPT UNDER ANY PAVING COMPACTION IS TO BE 95%, BY OWNER. RE: CIVIL FOR ADDT.. INFO.

7. CONTRACTOR IS RESPONSIBLE FOR ALL HORIZONTAL AND VERTICAL CONTROL FOR CONSTRUCTION.

8. CONTRACTOR IS RESPONSIBLE FOR PAYING ANY FEES FOR PERMITS AS MAY BE REQUIRED FOR THIS CONSTRUCTION.

9. ALL PIPE SLEEVES SHALL BE SCH. 40 PVC AND FURNISHED IN PLACE BY THE CONTACTOR BEFORE PAVING.

TUELECTRIC SLEEVES:
6" SLEEVES ARE TO BE DOVE GREY AND PLACED 48" BELOW TOP OF CURB ELEVATIONS. WITH END CONDUIT MARKERS FURNISHED BY TUELECTRIC PLACED ON EACH END OF CONDUIT.
IRRIGATION SLEEVES:
2" & 4" SLEEVES ARE TO BE PLACED 24" BELOW TOP OF CURB.

10. CONTRACTOR TO PROVIDE JOB SIGN. RE: 4/A9.0

11. CURB RAMP SLOPE SHALL BE 1:12 MAXIMUM WITH 1:10 FLARED SIDES AND SHALL BE TEXTURED. PAINT WITH A LIGHT REFLECTIVE PAINT. PARALLEL CURB RAMP SLOPE SHALL BE 1:12 MAXIMUM & TEXTURED. PAINT WITH A LIGHT REFLECTIVE PAINT. ALL CURB RAMPS SHALL HAVE A LANDING AT TOP & BOTTOM. LANDINGS SHALL HAVE A 1:50 MAXIMUM SLOPE IN ANY DIRECTION.

MILNET
ARCHITECTURAL
SERVICES

AMERICAN INSTITUTE OF ARCHITECTS

REGISTERED ARCHITECT
ROBERT R. MILNET JR.
14740
STATE OF TEXAS

03/12/2024

LRGVDC VALLEY METRO EDINBURG TRANSIT
TERMINAL OFFICE BUILDING 1ST FLOOR
FINISH-OUT PHASE III
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224004

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03/12/2024

CONSTRUCTION DOCUMENTS

ISSUED FOR BIDS

SHEET NUMBER
AS1.0

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 MEP DRAWINGS FOR ADDITIONAL DEMOLITION AND ALTERATION NOTES.

3. 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.

5. 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.

6. 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.

7. 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.

8. 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. PATCH AND REPAIR ALL DAMAGED SURFACES TO MATCH EXISTING SURFACES WHERE REMOVED OR ALTERED. FIELD VERIFY EXTENT OF REQUIRED REPAIRS.

11. 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.

12. 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.

13. CONTRACTOR TO FIELD VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO START OF DEMOLITION. PROTECT ALL UTILITIES TO REMAIN IN SERVICE.

14. DUE TO THE OPERATIONAL HOURS OF THESE FACILITIES, GENERAL CONTRACTOR IS TO COORDINATE SCOPE OF WORK WITH OWNER.

15. THE WORD "REMOVE" MEANS TO DEMOLISH, REMOVE AN DISPOSE OF AS PER DEMO SPECIFICATIONS.

SAWCUTTING

1. CONTRACTOR SHALL CAREFULLY SAWCUT A SMALL TEST AREA OF THE EXISTING FOUNDATION TO DETERMINE EXISTING THICKNESS AND STEEL REINFORCING SPACING.

2. COORDINATE LOCATION OF SAWCUT TEST AREA WITH STRUCTURAL ENGINEER PRIOR TO COMMENCING SAWCUTTING ACTIVITIES.

3. IF THE EXISTING CONCRETE SLAB IS DAMAGED DURING THE COURSE OF DEMOLITION (POST TENSION CABLING DAMAGE, REBAR DAMAGE, AGGREGATE DAMAGE, SOIL DISTURBANCE, ETC.) CONTRACTOR SHALL CEASE DEMOLITION ACTIVITIES IMMEDIATELY AND NOTIFY ARCHITECT. CONTRACTOR WILL BE RESPONSIBLE TO SUBMIT A PLAN FOR CORRECTIVE WORK. THIS PLAN SHALL INCLUDE A PROFESSIONAL STRUCTURAL ENGINEER'S RECOMMENDATION(S). ALL CORRECTIVE WORK SHALL BE AT THE EXPENSE OF THE GENERAL CONTRACTOR.

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 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.

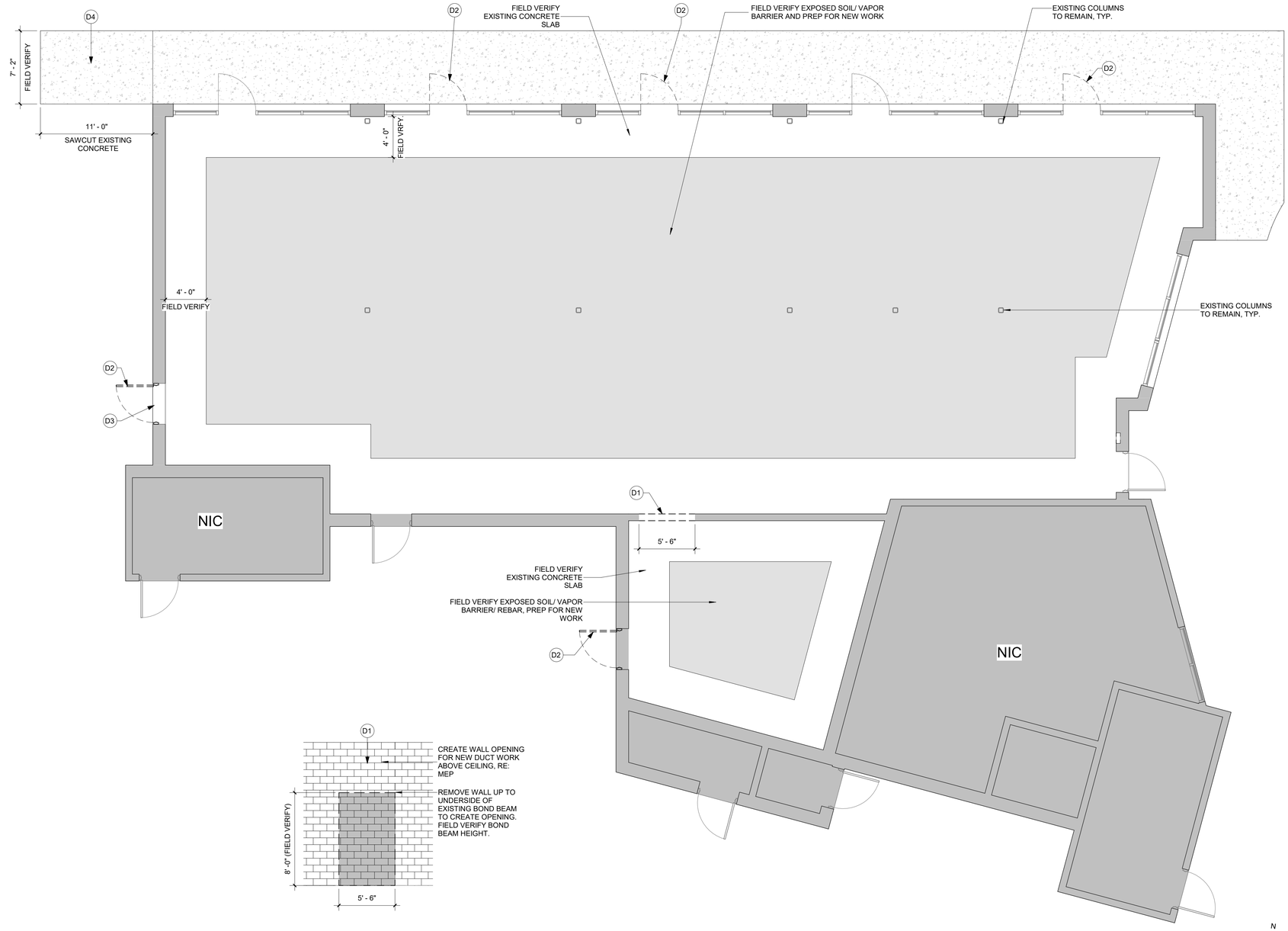
3. FAILURE TO REPORT AN OMISSION/CONFLICT IN THE DRAWINGS AND/OR SPECIFICATIONS, PRIOR TO OPENING OF BIDS SHALL BE DEEMED EVIDENCE THAT THE CONTRACTOR HAS ELECTED TO PROCEED IN THE MORE EXPENSIVE MANNER, AT NO ADDITIONAL COST TO THE OWNER.

DEMO KEYNOTES

- D1 EXISTING WALL TO BE REMOVED
- D2 EXISTING DOOR & FRAME TO BE REMOVED
- D3 SAWCUT CONCRETE LEDGE TO PREPARE FOR BRICK LEDGE FOR INFILL
- D4 REMOVE PORTION OF EXISTING SIDEWALK

DEMO LEGEND

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



2 DEMO ELEVATION
3/16" = 1'-0"

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

MILNET ARCHITECTURAL SERVICES
AMERICAN INSTITUTE OF ARCHITECTS

03/12/2024

LRGVDC VALLEY METRO EDINBURG TRANSIT
TERMINAL OFFICE BUILDING 1ST FLOOR
FINISH-OUT PHASE III
617 UNIVERSITY DR. EDINBURG, TEXAS 78539

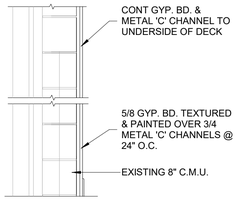
PROJECT NUMBER
224004

DATE
03/12/2024

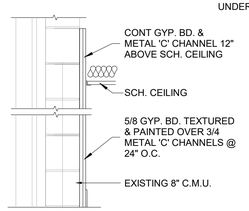
CONSTRUCTION DOCUMENTS

ISSUED FOR BIDS

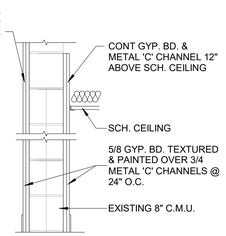
SHEET NUMBER
D1.0



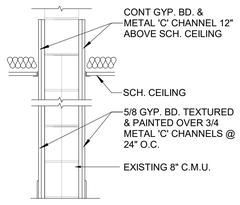
D1 EXT. C.M.U. WALL



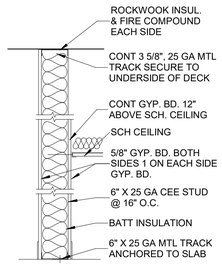
D EXT. C.M.U. WALL



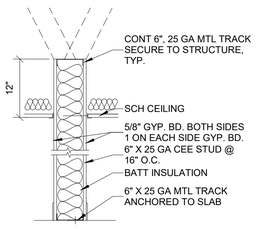
C1 INT. C.M.U. WALL



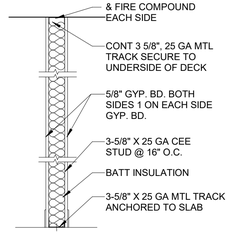
C INT. C.M.U. WALL



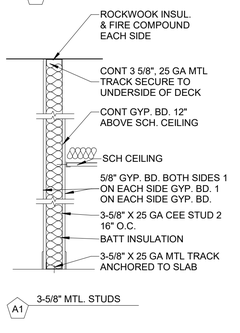
B1 6" MTL. STUDS



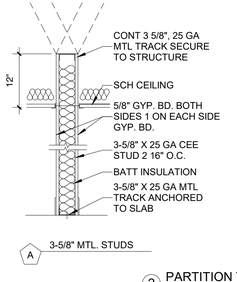
B 6" MTL. STUDS



A2 3-5/8" MTL. STUDS



A1 3-5/8" MTL. STUDS



A 3-5/8" MTL. STUDS

2 PARTITION TYPES
3/4" = 1'-0"

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 CONSTRUCTION DETAIL.

2. CONTRACTOR IS RESPONSIBLE, AS THE CONSTRUCTION EXPERT, TO PROVIDE AND INSTALL ALL NECESSARY MATERIALS, COMPONENTS AND SYSTEMS NECESSARY FOR THE TURN KEY CONSTRUCTION OF THE PROJECT.

CONFLICTS AND 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 PROPOSALS (BIDS).

3. FAILURE TO REPORT AN OMISSION/CONFLICT IN THE DRAWINGS AND/OR SPECIFICATIONS, PRIOR TO OPENING OF PROPOSALS (BIDS) SHALL BE DEEMED EVIDENCE THAT THE CONTRACTOR HAS ELECTED TO PROCEED IN THE MORE EXPENSIVE MANNER, AT NO ADDITIONAL COST TO THE OWNER.

GENERAL NOTES:

1. ALL PENETRATIONS IN TOP OR BOTTOM PLATES FOR PLUMBING OR ELECTRICAL RUNS TO BE SEALED. SEE ELECTRICAL PLANS FOR ADDITIONAL SPECIFICATIONS.

2. ALL DIM. TO FINISH FACE WALL.

3. BUILDING MUST HAVE A PANEL BOX (LOCATION AS PER CITY CODES).

4.ALL SMOKE DETECTORS ARE TO BE PLACED AS PER CITY CODES.

5. ALL LIGHT FIXTURES TO BE REVIEWED BY OWNER. RE: ELEC.

6. RE: A7.0 FOR DOOR, WINDOW SCH.

7. RE: 2/A1.0 FOR PARTITION TYPES.

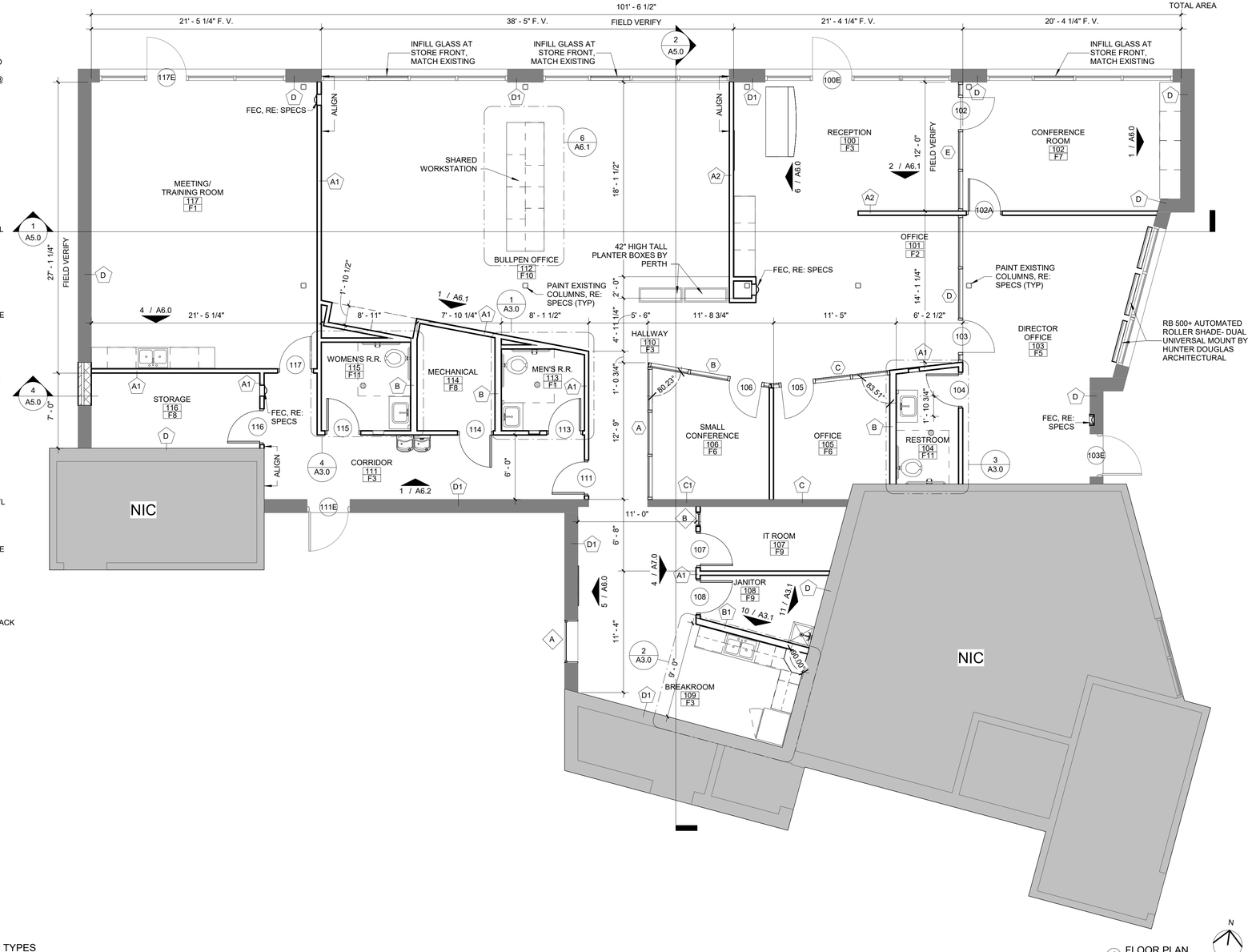
8. ROOM NO. — FINISH NO.

9. ALL PARTITIONS TYPE "A" U.N.O.

10. PROVIDE ROOM SIGNAGE, RE: 3/A9.0

BUILDING GROSS AREA

REMODELED OFFICE AREA	4,133 SQ. FT.
UNDISTURBED AREA	1,480 SQ. FT.
TOTAL AREA	5,613 SQ. FT.



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

MILNET ARCHITECTURAL SERVICES
AMERICAN INSTITUTE OF ARCHITECTS
REGISTERED ARCHITECT DAVID R. MILNET 14740 STATE OF TEXAS

03/12/2024

LRGVDC VALLEY METRO EDINBURG TRANSIT
TERMINAL OFFICE BUILDING 1ST FLOOR
FINISH-OUT PHASE III
617 UNIVERSITY DR. EDINBURG, TEXAS 78539

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SHEET NUMBER
A1.0

TOILET ACCESSORIES LEGEND

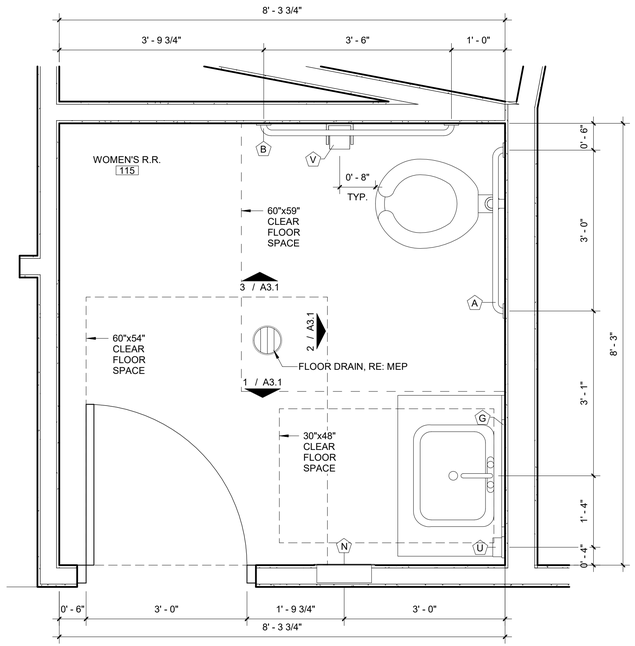
MARK	DESCRIPTION	MODEL NO.	NOTES
A	STAINLESS STL GRAB BAR 36" LONG	B-6806-36	1 & 7
B	STAINLESS STL GRAB BAR 42" LONG	B-6806-42	1 & 7
G	FRAMED 1/4" PLATE GLASS MIRROR 24"x36"	B-166-2436	2 & 7
I	STAINLESS STL MOP & BROOM HOLDER 24" LONG	B-223-24	1 & 7
N	RECESSED AUTOMATIC PAPER TOWEL DISPENSER	B-3974	6
U	SURFACE MOUNTED AUTO. SOAP DISPENSER	B-2012	1 & 7
V	SURFACE MOUNTED TWO-ROLL TISSUE DISPENSER BOBRICK	B-265	1 & 2

TOILET ACCESSORIES NOTES

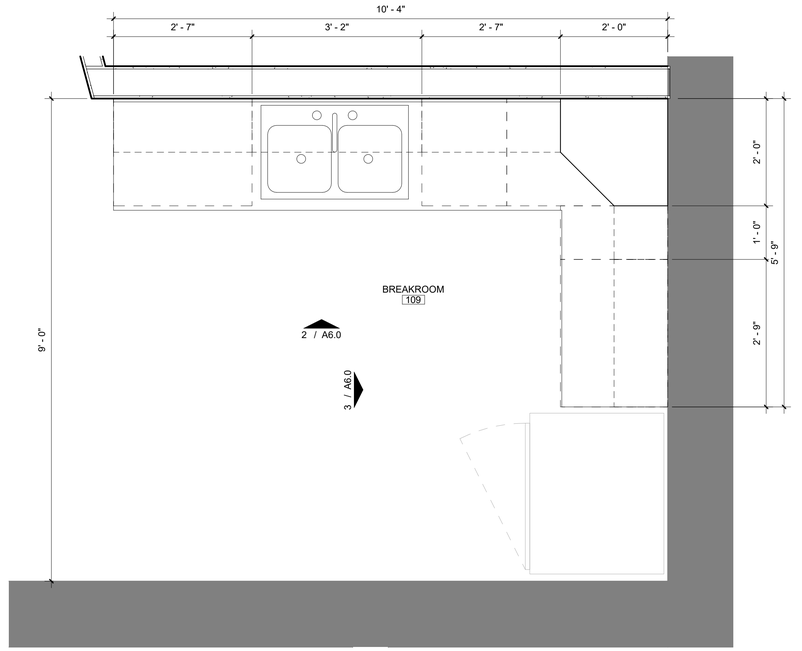
1. PROVIDE ALL NECESSARY ANCHORING PLATES AND FASTENERS.
2. PROVIDE EXPANSION SHIELDS FOR CMU PTN FOR SECURE ATTACHMENT.
3. COORDINATE WITH WALL PTN CONSTRUCTION FOR RECESSED ACCESSORY.
4. COLOR TO BE SELECTED BY ARCHITECT FROM MANUFACTURERS STANDARD COLORS.
5. COORDINATE ELECTRICAL REQUIREMENTS AND ANCHORING.
6. COORDINATE LOCATION WITH OTHER ACCESSORIES ON WALL.
7. UNIT SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR. SEE SPEC SECTION 10 21 13
   - MIRRORS
   - TOILET TISSUE DISP.
   - GRAB BARS
   - SOAP DISP.
8. ALL MOUNTING HEIGHTS FOR FIXTURES AND ACCESSORIES SHALL COMPLY WITH THE 2010 ADA AND 2012 TEXAS ACCESSIBILITY STANDARDS.

GENERAL NOTES

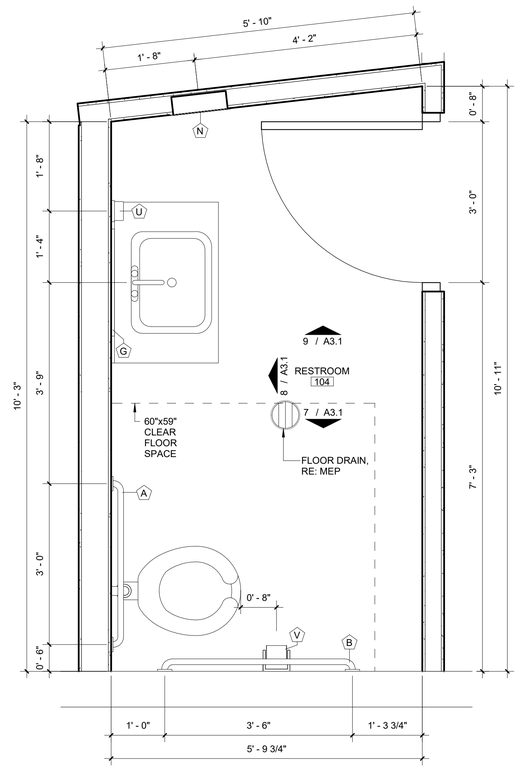
1. PROVIDE AND INSTALL NEW 12X24 CERAMIC WALL TILE WAINSCOT UP TO 4'-0" AT ALL NEW RESTROOM WALLS. REMAINING WALL HEIGHT SHALL BE TEXTURED AND PAINTED GYP. BOARD.
2. PROVIDE AND INSTALL A MOP HOLDER AT ROOM NO. 108, RE: SPECS.
3. TOILET TISSUE DISPENSER SHALL BE MOUNTED CENTERLINE 8" FROM EDGE OF TOILET RIM.
4. PROVIDE AND INSTALL A 3'-0" HIGH CERAMIC TILE WAINSCOT BEHIND MOP SINK AT ROOM NO. 108.
5. PROVIDE AND INSTALL A FLOOR DRAIN (F.D.) AT EVERY RESTROOM, TYP.
6. ALL MOUNTING HEIGHTS FOR FIXTURES AND ACCESSORIES SHALL COMPLY WITH THE 2010 ADA AND 2012 TEXAS ACCESSIBILITY STANDARDS. COMPLIANCE SHALL BE THE CONTRACTOR'S RESPONSIBILITY.



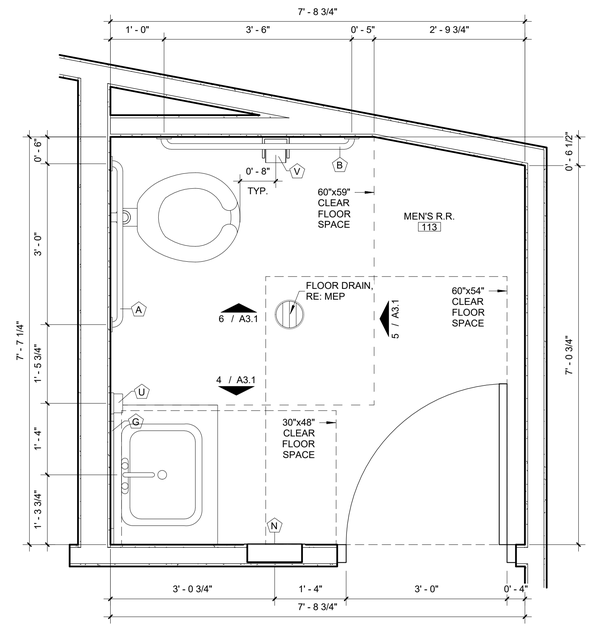
4 RESTROOM PLAN
3/4" = 1'-0"



2 BREAKROOM PLAN
3/4" = 1'-0"



3 RESTROOM PLAN
3/4" = 1'-0"



1 RESTROOM PLAN
3/4" = 1'-0"

MILNET
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AMERICAN INSTITUTE OF ARCHITECTS

REGISTERED ARCHITECT
RANDALL R. MILNET
14740
STATE OF TEXAS

03/12/2024

LRGVDC VALLEY METRO EDINBURG TRANSIT
TERMINAL OFFICE BUILDING 1ST FLOOR
FINISH-OUT PHASE III
617 UNIVERSITY DR. EDINBURG, TEXAS 78539

PROJECT NUMBER
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CONSTRUCTION DOCUMENTS

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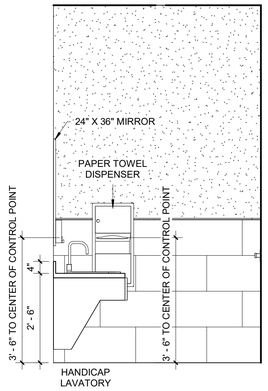
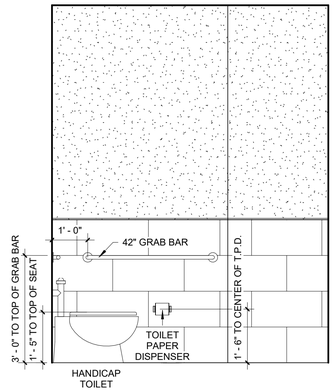
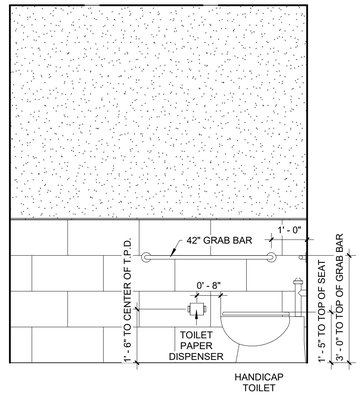
SHEET NUMBER
A3.0



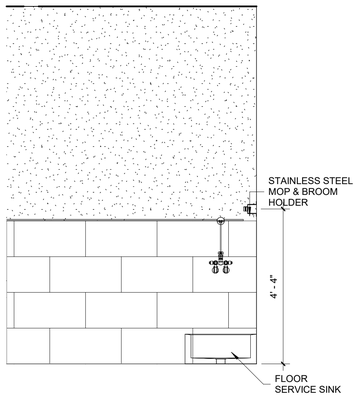
9 RESTROOM ELEVATION
1/2" = 1'-0"



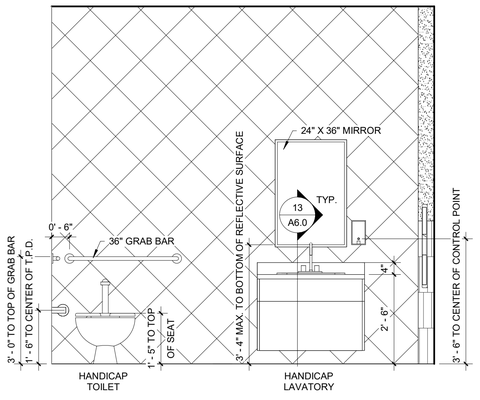
6 RESTROOM ELEVATION
1/2" = 1'-0"



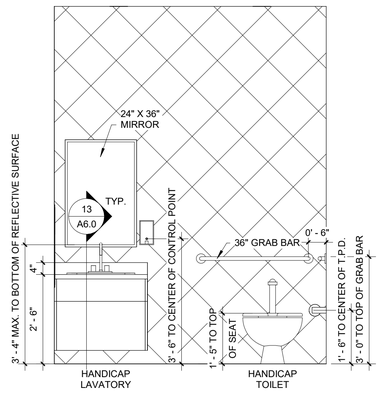
3 RESTROOM ELEVATION
1/2" = 1'-0"



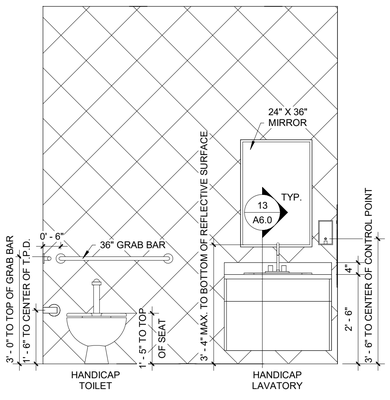
11 JANITOR ELEVATION
1/2" = 1'-0"



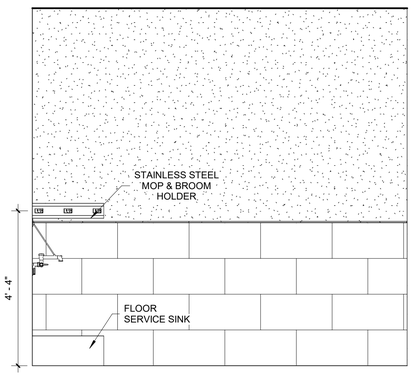
8 RESTROOM ELEVATION
1/2" = 1'-0"



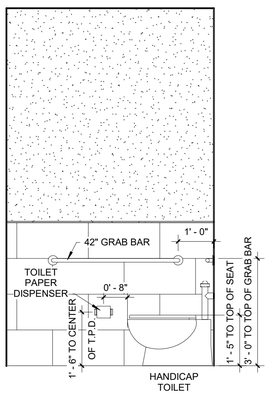
5 RESTROOM ELEVATION
1/2" = 1'-0"



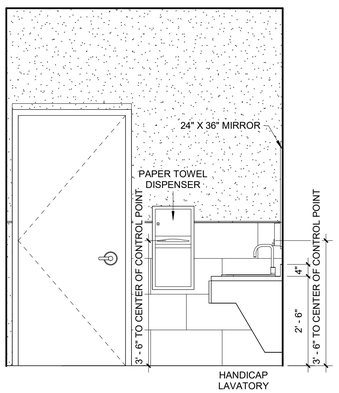
2 RESTROOM ELEVATION
1/2" = 1'-0"



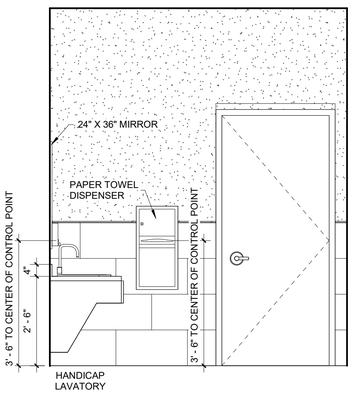
10 JANITOR ELEVATION
1/2" = 1'-0"



7 RESTROOM ELEVATION
1/2" = 1'-0"



4 RESTROOM ELEVATION
1/2" = 1'-0"



1 RESTROOM ELEVATION
1/2" = 1'-0"

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03/12/2024

LRGVDC VALLEY METRO EDINBURG TRANSIT TERMINAL OFFICE BUILDING 1ST FLOOR FINISH-OUT PHASE III

617 UNIVERSITY DR. EDINBURG, TEXAS 78539

PROJECT NUMBER
224004

DATE
03/12/2024

CONSTRUCTION DOCUMENTS

ISSUED FOR BIDS

SHEET NUMBER
A3.1

GENERAL NOTES:

1. ALL CLG. ARE 10'-0" A.F.F. UNLESS NOTED OTHERWISE.

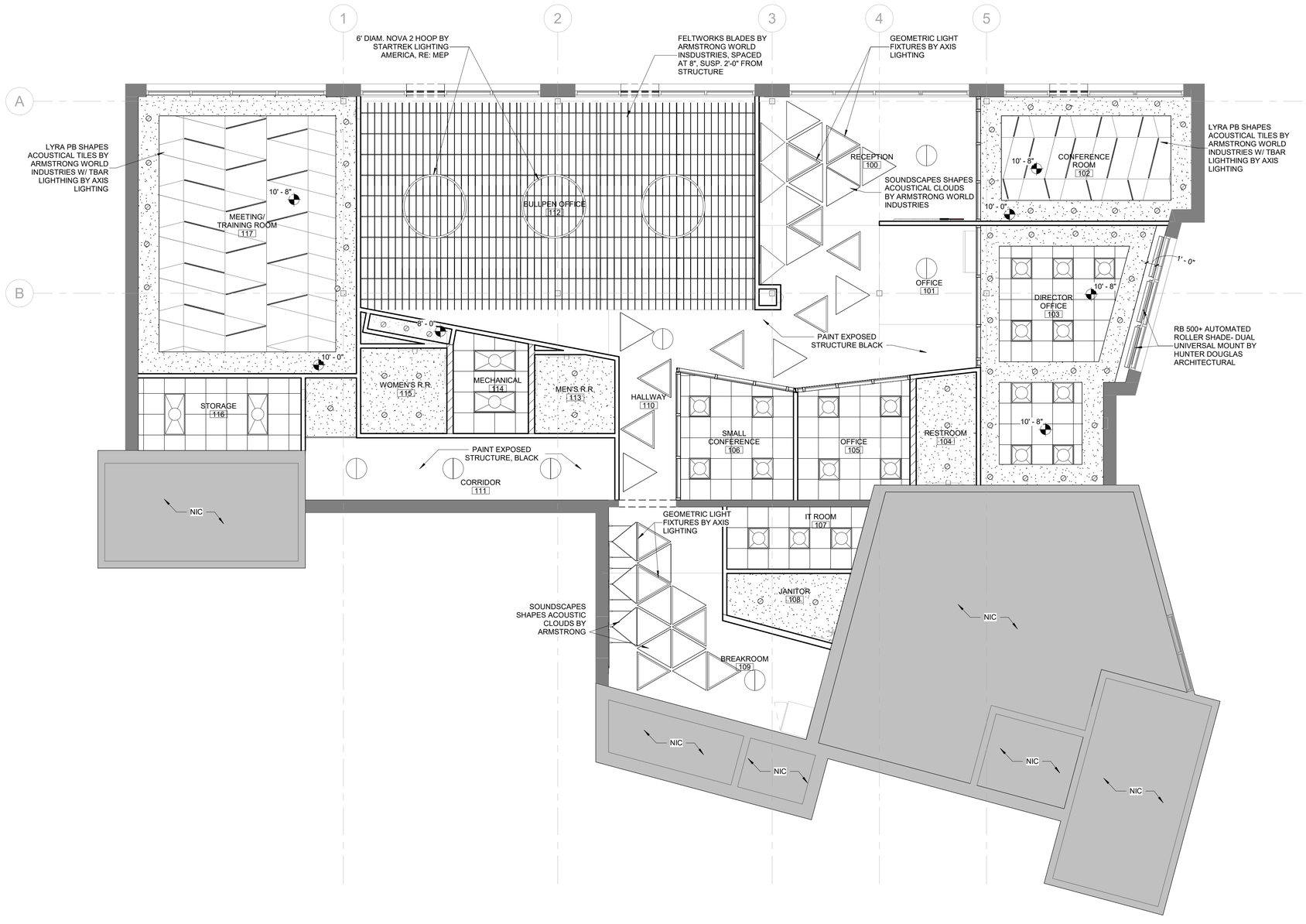
2. RE: MEP DWGS. FOR EXACT LIGHTING COUNT, FIXTURE SCHEDULE AND LOCATIONS.

3. ALL EXPOSED STRUCTURE TO BE PAINTED BLACK. ALL EXPOSED MEP EQUIPMENT SHALL BE PAINTED BLACK.

4. RE: MEP DWGS. FOR ADDITIONAL INFO.

LEGEND

- SUSPENDED CEILING
- PAINTED GYPSUM BOARD
- OPEN STRUCTURE, PAINTED BLACK



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

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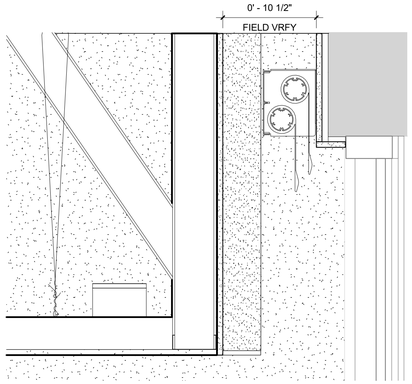
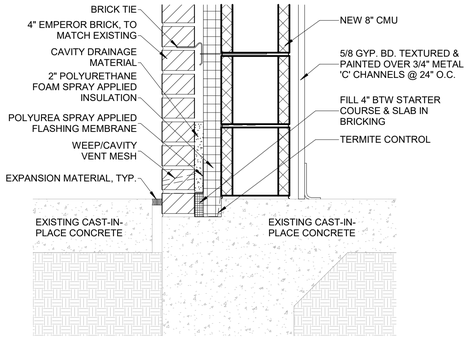
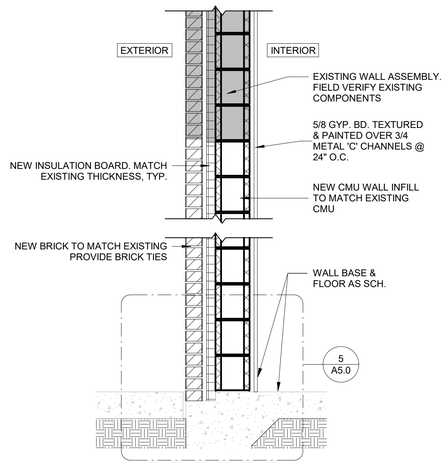
A4.0



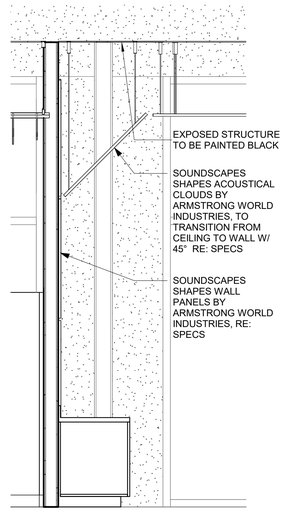
7 CEILING DETAIL
1 1/2" = 1'-0"



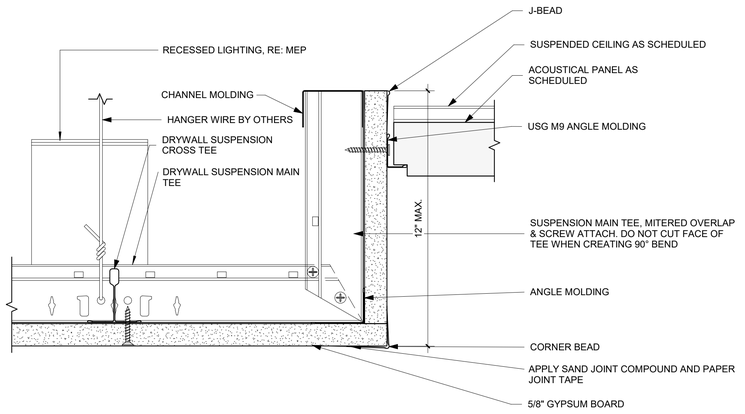
5 WALL SECTION DETAIL
1 1/2" = 1'-0"



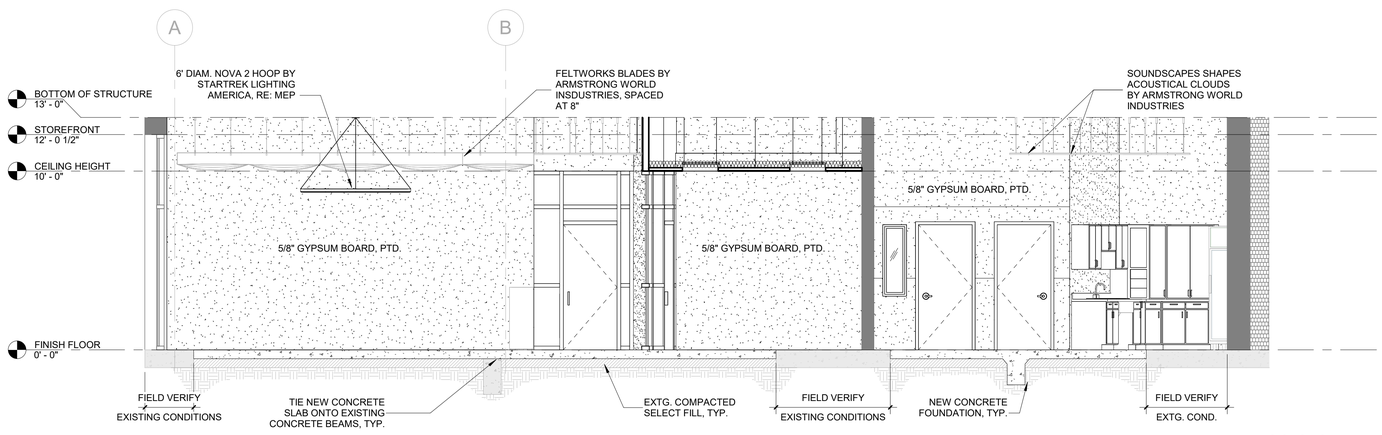
4 WALL INFILL DETAIL
3/4" = 1'-0"



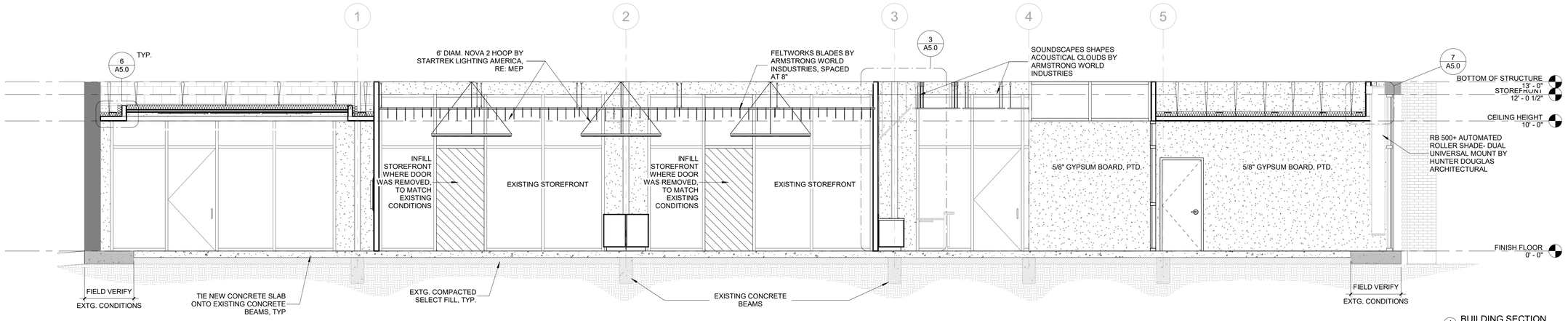
3 WALL SECTION
1/2" = 1'-0"



6 SUSPENDED CEILING DETAIL
6" = 1'-0"



2 BUILDING SECTION
1/4" = 1'-0"



1 BUILDING SECTION
1/4" = 1'-0"

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TERMINAL OFFICE BUILDING 1ST FLOOR
FINISH-OUT PHASE III
617 UNIVERSITY DR. EDINBURG, TEXAS 78539

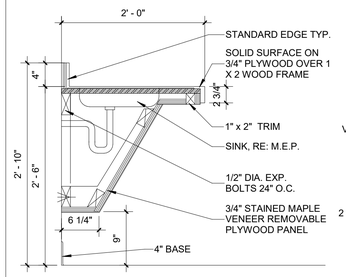
PROJECT NUMBER
224004

DATE
03/12/2024

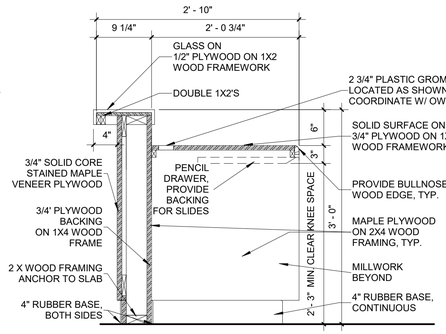
CONSTRUCTION DOCUMENTS

ISSUED FOR BIDS

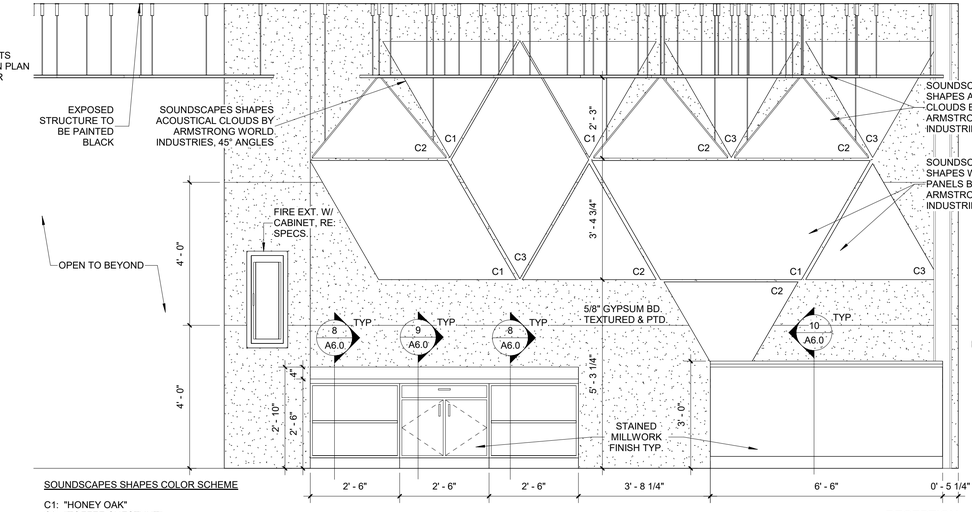
SHEET NUMBER
A5.0



13 MILLWORK SECTION
1" = 1'-0"



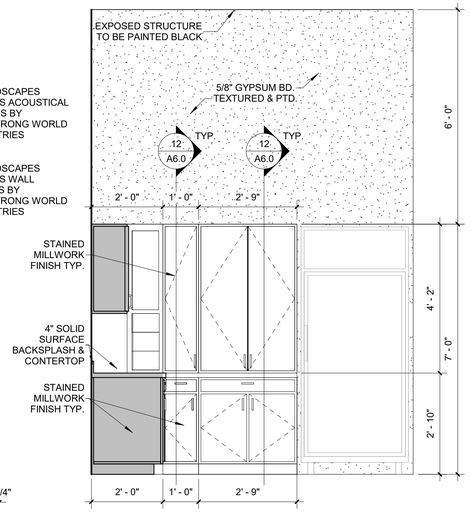
10 MILLWORK SECTION
1" = 1'-0"



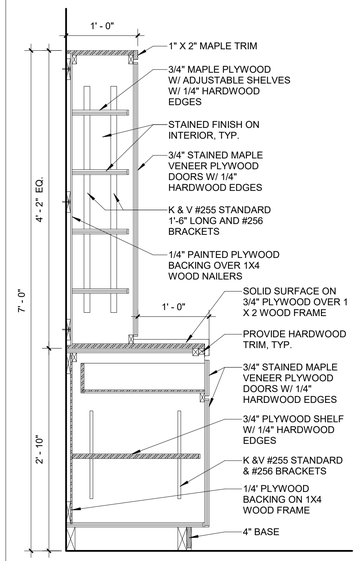
SOUNDSCAPES SHAPES COLOR SCHEME

C1: "HONEY OAK"
C2: "TOFFEE CHESTNUT"
C3: "RAINSTORM"

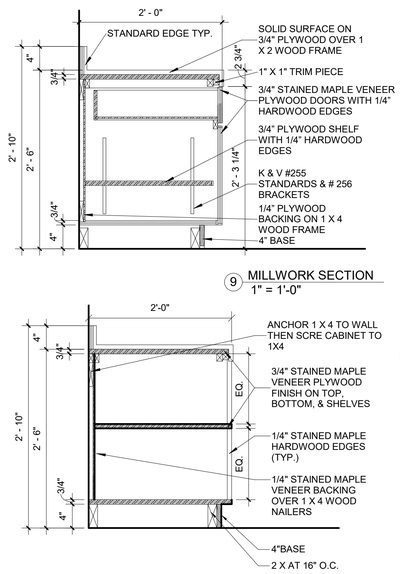
6 RECEPTION
1/2" = 1'-0"



3 BREAK ROOM
1/2" = 1'-0"

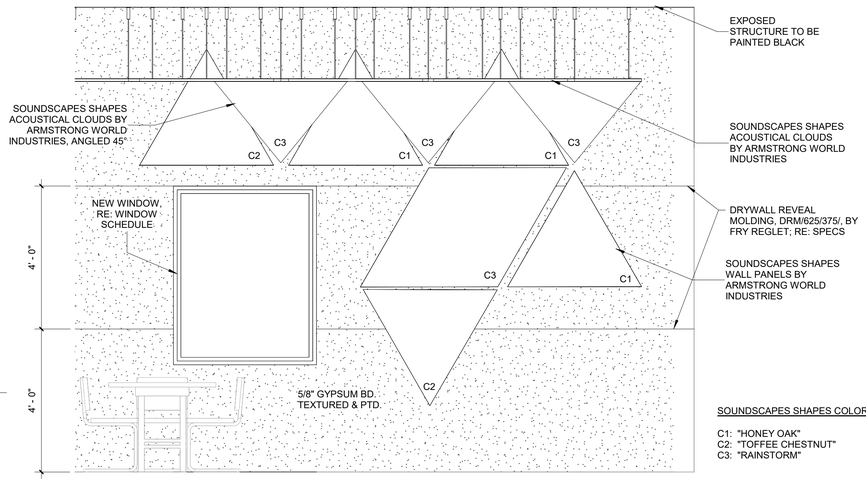


12 MILLWORK SECTION
1" = 1'-0"



9 MILLWORK SECTION
1" = 1'-0"

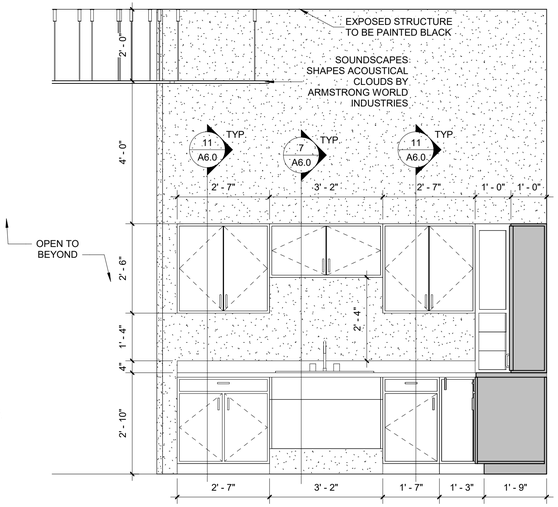
8 MILLWORK SECTION
1" = 1'-0"



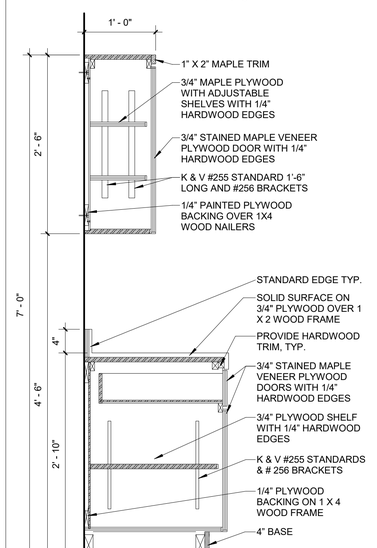
SOUNDSCAPES SHAPES COLOR SCHEME

C1: "HONEY OAK"
C2: "TOFFEE CHESTNUT"
C3: "RAINSTORM"

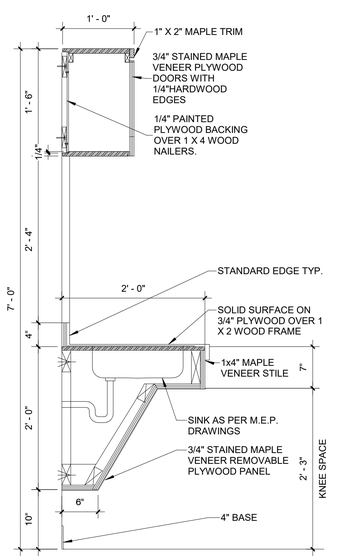
5 BREAKROOM
1/2" = 1'-0"



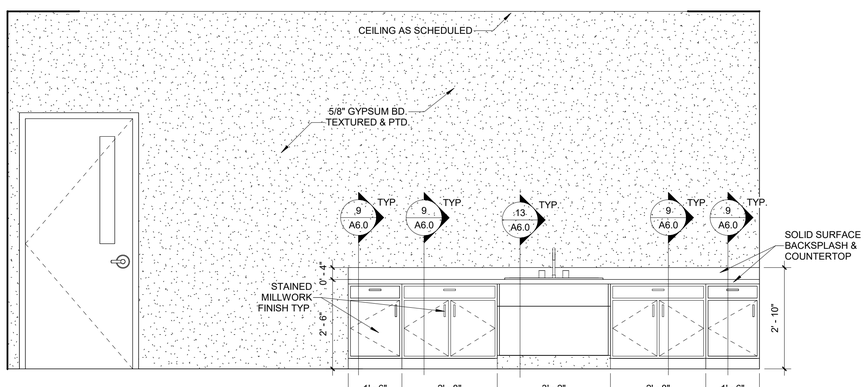
2 BREAKROOM ELEVATION
1/2" = 1'-0"



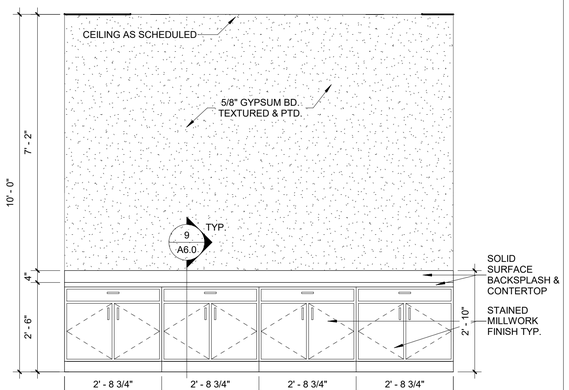
11 MILLWORK SECTION
1" = 1'-0"



7 MILLWORK SECTION
1" = 1'-0"



4 MEETING ROOM
1/2" = 1'-0"



1 CONFERENCE ROOM
1/2" = 1'-0"

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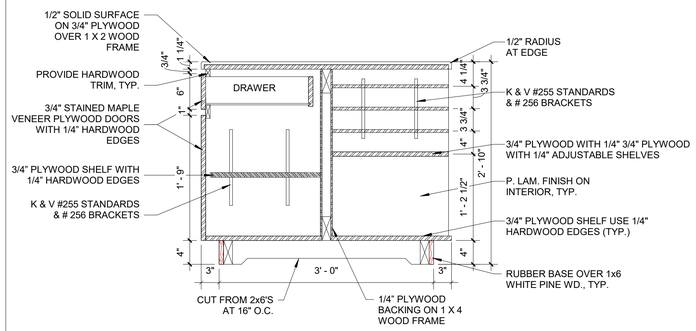
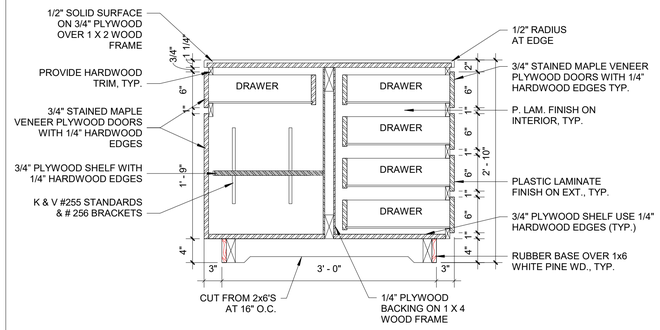
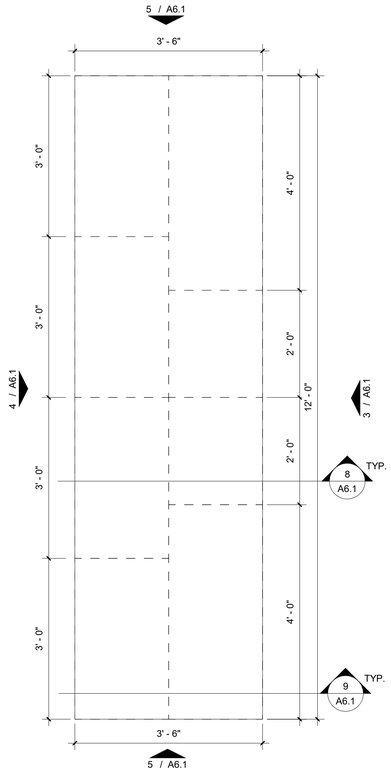


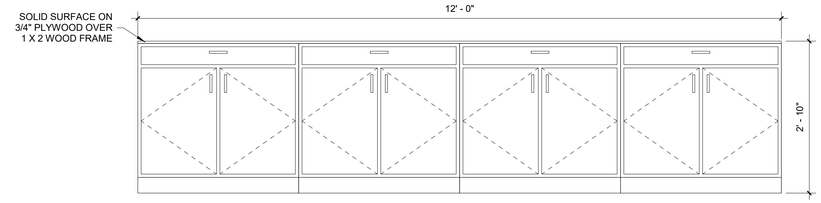
9 MILLWORK SECTION
1" = 1'-0"



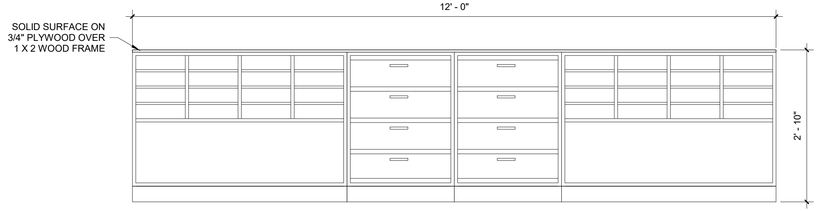
8 MILLWORK SECTION
1" = 1'-0"



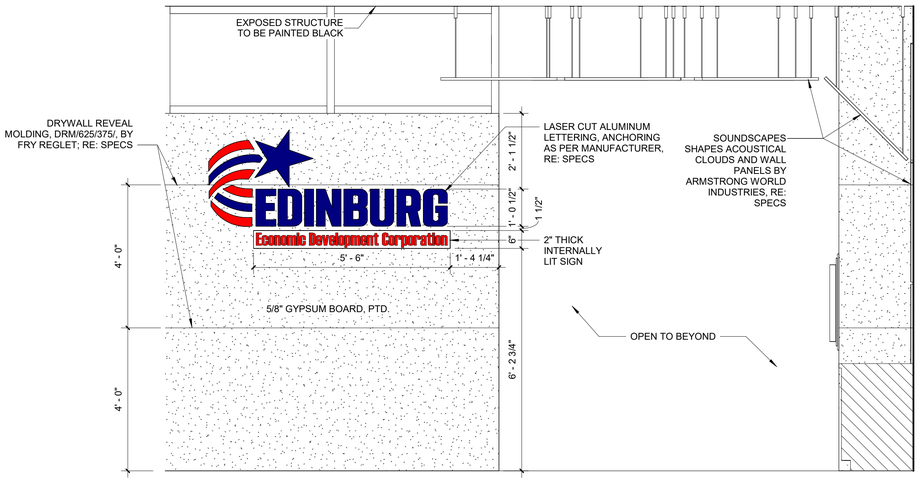
6 WORKSTATION
3/4" = 1'-0"



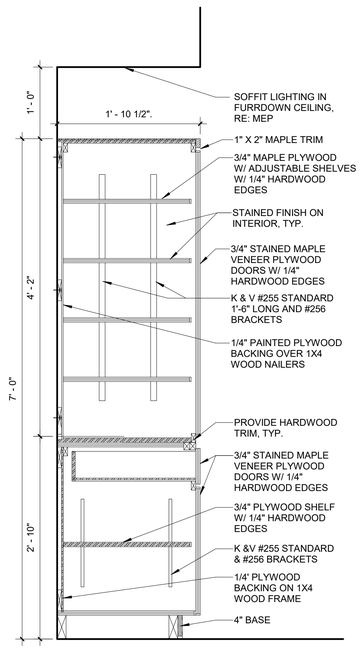
4 WORKSTATION
3/4" = 1'-0"



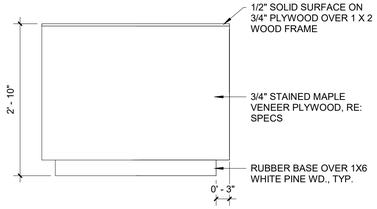
3 WORKSTATION
3/4" = 1'-0"



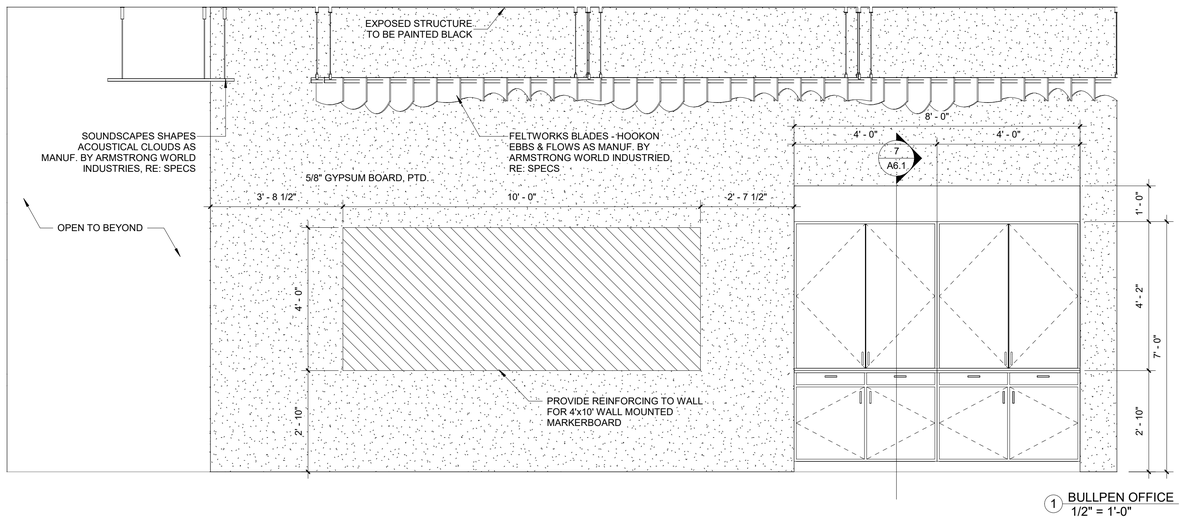
2 RECEPTION/ WAITING
1/2" = 1'-0"



7 MILLWORK SECTION
1" = 1'-0"



5 WORKSTATION
3/4" = 1'-0"



1 BULLPEN OFFICE
1/2" = 1'-0"

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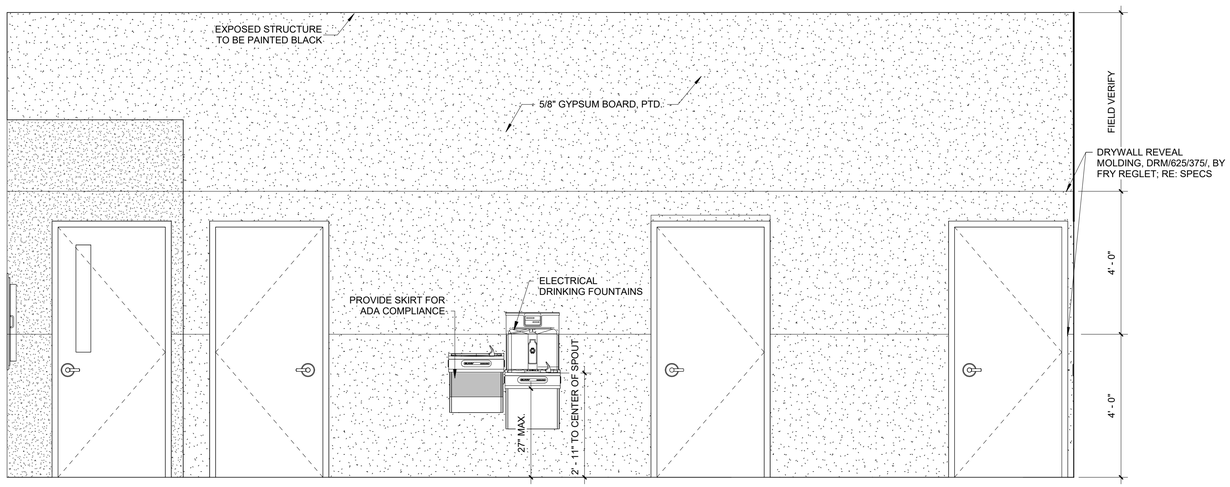
A6.1



1 INTERIOR ELEVATION
1/2" = 1'-0"

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A6.2

ROOM SCHEDULE								
Number	Name	Area	FINISH KEY NOTE	WALLS	BASE	FLOOR	CEILING	Comments
100	RECEPTION	265 SF	F3	P-1	B-1	LVT	EXP/SS	
101	OFFICE	91 SF	F2	P-1	B-1	LVT	EXP	
102	CONFERENCE ROOM	247 SF	F7	P-1	B-1	CPT	AC-1/GB	
103	DIRECTOR OFFICE	367 SF	F5	P-1	B-1	CPT	AC-2/GB	
104	RESTROOM	61 SF	F11	P-3,P-1	B-2	CT-1	GB	
105	OFFICE	114 SF	F6	P-1	B-1	CPT	AC-2	
106	SMALL CONFERENCE	124 SF	F6	P-1	B-1	CPT	AC-2	
107	IT ROOM	77 SF	F6	P-1	B-1	CPT	AC-2	
108	JANITOR	61 SF	F9	P-1	B-1	PC	GB	
109	BREAKROOM	222 SF	F3	P-1	B-1	LVT	EXP/SS	
110	HALLWAY	449 SF	F3	P-1	B-1	LVT	EXP/SS	
111	CORRIDOR	179 SF	F3	P-1	B-1	LVT	EXP/SS	
112	BULLPEN OFFICE	842 SF	F10	P-1	B-1	CPT	FB	
113	MEN'S R.R.	58 SF	F11	P-3,P-1	B-2	CT-1	GB	
114	MECHANICAL	68 SF	F8	P-1	B-1	PC	AC-2	
115	WOMEN'S R.R.	68 SF	F11	P-3,P-1	B-2	CT-1	GB	
116	STORAGE	110 SF	F8	P-1	B-1	PC	AC-2	
117	MEETING/ TRAINING ROOM	568 SF	F1	P-1	B-1	LVT	AC-1/GB	

ROOM FINISH SCHEDULE				
Key Name	WALLS	BASE	FLOOR	CEILING
F1	P-1	B-1	LVT	AC-1/GB
F2	P-1	B-1	LVT	EXP
F3	P-1	B-1	LVT	EXP/SS
F4	P-1	B-1	LVT	GB
F5	P-1	B-1	CPT	AC-2/GB
F6	P-1	B-1	CPT	AC-2
F7	P-1	B-1	CPT	AC-1/GB
F8	P-1	B-1	PC	AC-2
F9	P-1	B-1	PC	GB
F10	P-1	B-1	CPT	FB
F11	P-3,P-1	B-2	CT-1	GB

ROOM FINISH STANDARDS	
WALLS	
P-1	WALL PAINTED
P-3	CERAMIC TILE
FLOOR COVERINGS	
CT-1	CERAMIC TILE
LVT	LUXURY VINYL TILE
CPT	CARPET TILE
PC	POLISHED CONCRETE, RE: NOTE
BASE	
B-1	4" RUBBER BASE
B-2	CERAMIC TILE
CEILING	
AC-1	LYRA PB SHAPES ACOUSTICAL CEILING
AC-2	SUSP. ACOUSTICAL CEILING (2X2)
GB	SUSP. GYPSUM BD. T.F.T.&P.
EXP	EXPOSED STRUCTURE, PAINTED
FB	FELTWORK BLADES
SS	SOUNDCAPES SHAPES

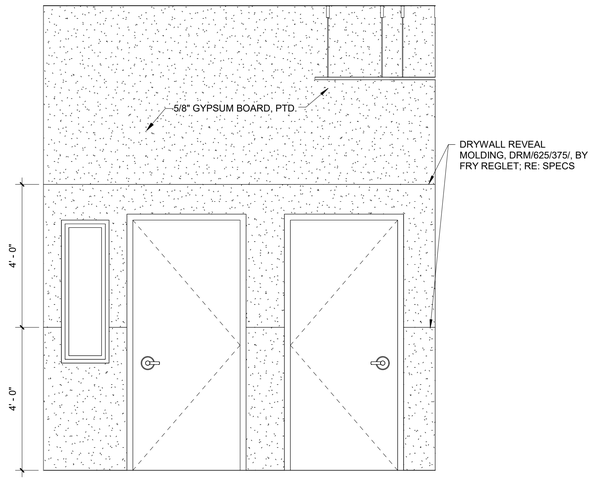
NOTE: POLISHED CONCRETE FLOOR CUT & SHINE LEVELS:

CUT LEVEL: GRADE 2, LIGHT EXPOSURE OF COURSE AGGREGATE
SHINE LEVEL: CLASS 1, 400 GRIT POLISH

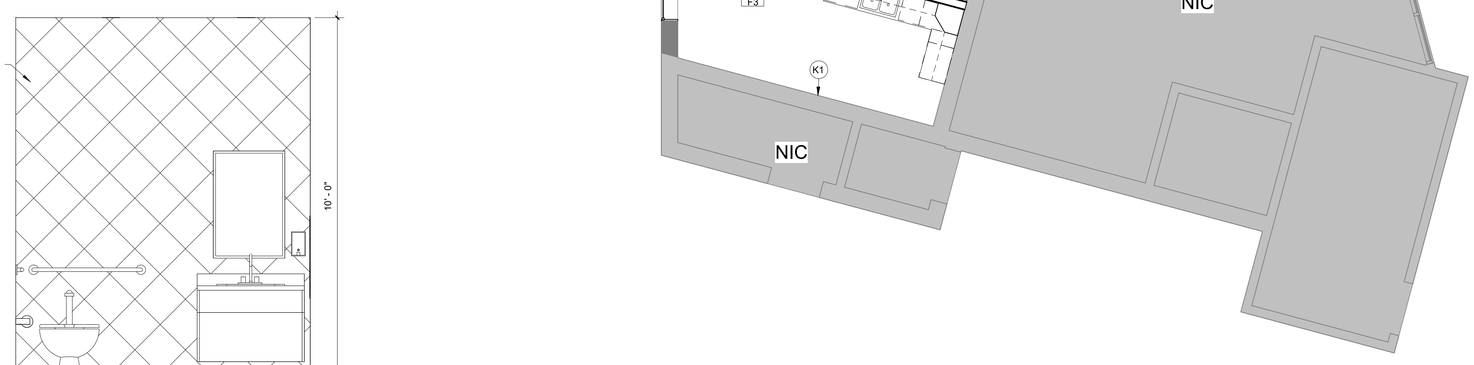
FINISH COAT: APPLY TWO APPLICATIONS OF SCOFIELD FINISH COAT

FINISH FLOOR KEYNOTES

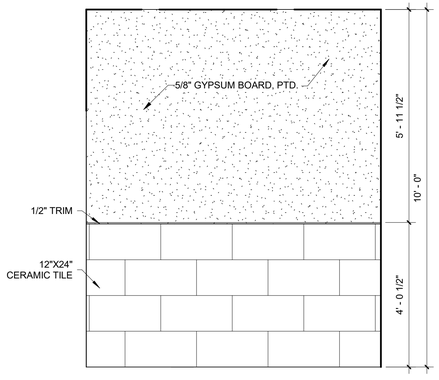
(K1) DRYWALL REVEAL MOLDING TO BE ADDED TO WALL, RE: 4/A7.0



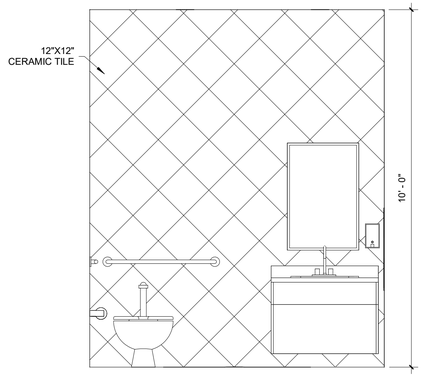
4 TYP. REVEAL WALL ELEV.
1/2" = 1'-0"



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



3 TYP. RESTROOM WALL ELEV.
1/2" = 1'-0"



2 TYP. RESTROOM WALL ELEV.
1/2" = 1'-0"

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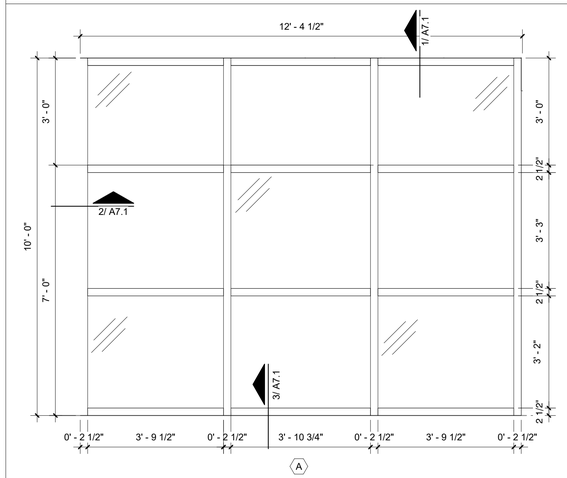
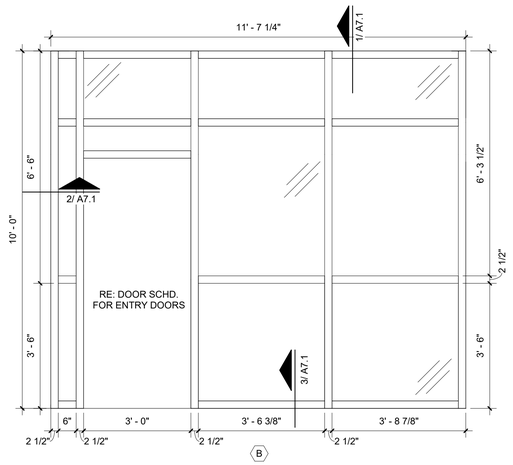
STORE FRONT TYPES



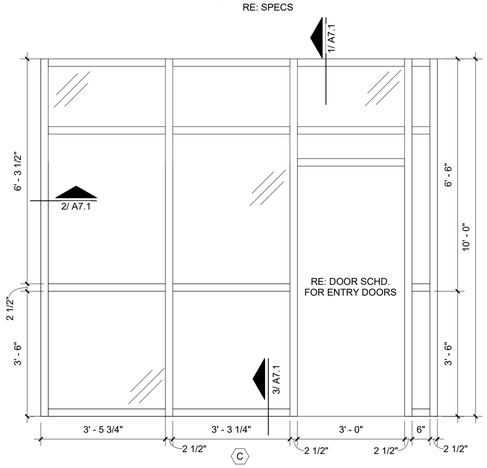
A

1" INSULATED TEMPERED GLASS
WITH ALUMINUM FRAME
GLASS TO BE TINTED
RE: SPECS



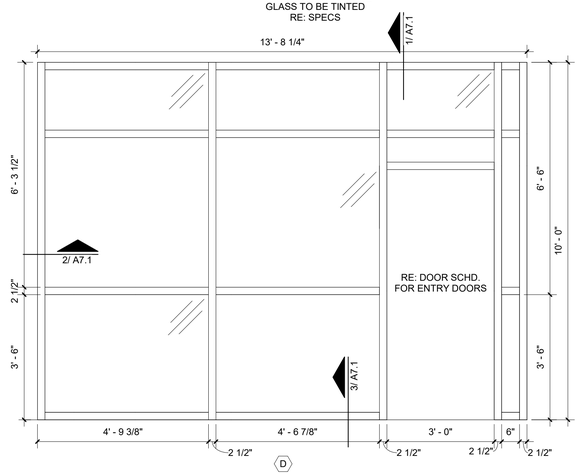
B

1" INSULATED LAMINATED TEMPERED GLASS
WITH ALUMINUM FRAME
GLASS TO BE TINTED
RE: SPECS



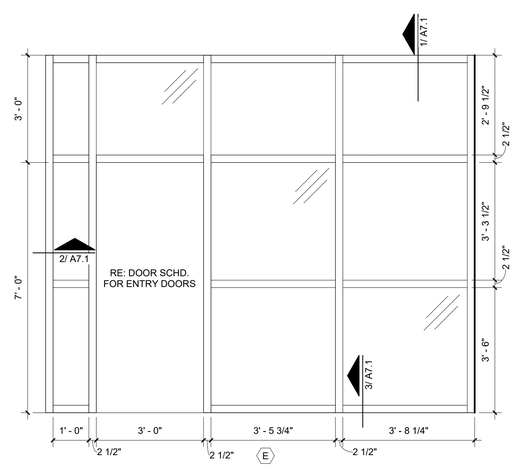
C

1" INSULATED LAMINATED TEMPERED GLASS
WITH ALUMINUM FRAME
GLASS TO BE TINTED
RE: SPECS



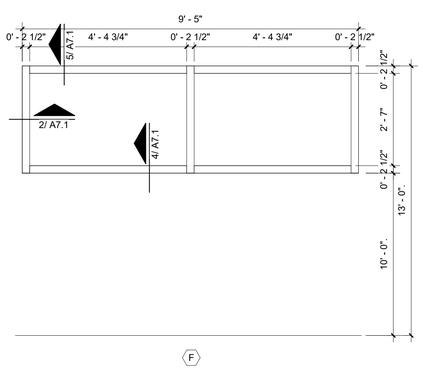
D

1" INSULATED LAMINATED TEMPERED GLASS
WITH ALUMINUM FRAME
GLASS TO BE TINTED
RE: SPECS



E

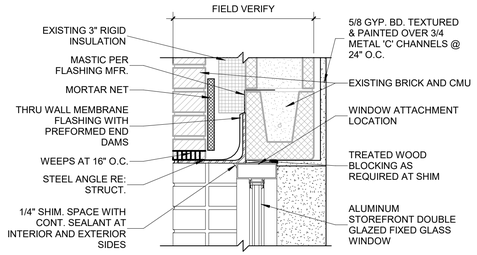
1" INSULATED LAMINATED TEMPERED GLASS
WITH ALUMINUM FRAME
GLASS TO BE TINTED
RE: SPECS



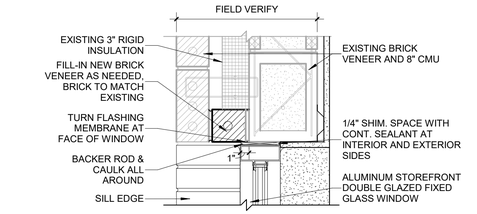
F

1" INSULATED LAMINATED TEMPERED GLASS
WITH ALUMINUM FRAME
GLASS TO BE TINTED
RE: SPECS

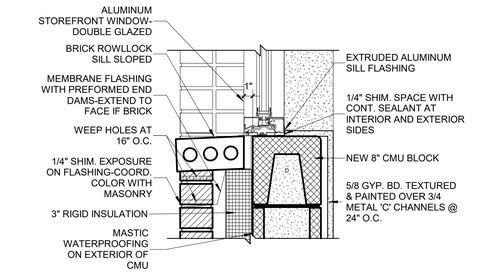
WINDOW & STOREFRONT DETAILS



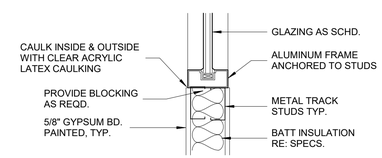
11 WINDOW HEAD DETAIL
1 1/2" = 1'-0"



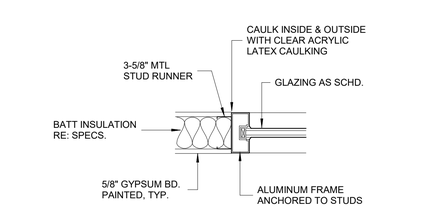
10 WINDOW JAMB DETAIL
1 1/2" = 1'-0"



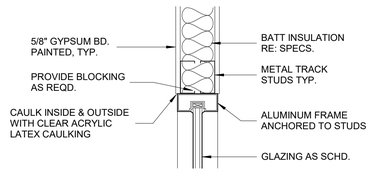
9 WIDOW SILL DETAIL
1 1/2" = 1'-0"



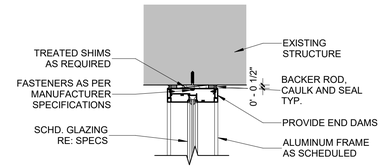
8 INTERIOR WINDOW SILL DETAIL
1 1/2" = 1'-0"



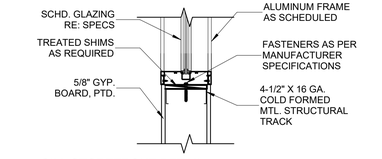
7 INTERIOR WINDOW JAMB DETAIL
1 1/2" = 1'-0"



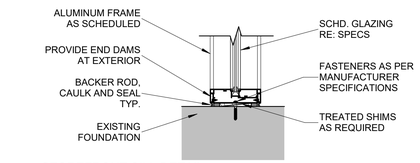
6 INTERIOR WINDOW HEAD DETAIL
1 1/2" = 1'-0"



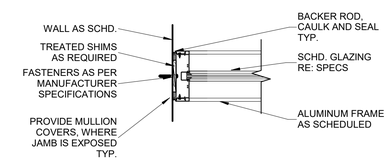
5 HEAD STOREFRONT DETAIL
1 1/2" = 1'-0"



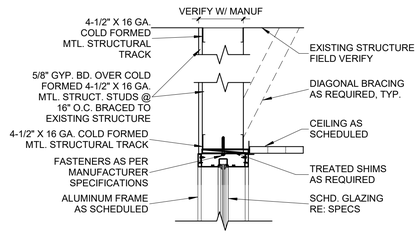
4 SILL STOREFRONT DETAIL
1 1/2" = 1'-0"



3 STOREFRONT SILL DETAIL
1 1/2" = 1'-0"



2 STOREFRONT JAMB DETAIL
1 1/2" = 1'-0"



1 STOREFRONT HEAD DETAIL
1 1/2" = 1'-0"

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LRGVDC VALLEY METRO EDINBURG TRANSIT
TERMINAL OFFICE BUILDING 1ST FLOOR
FINISH-OUT PHASE III
617 UNIVERSITY DR. EDINBURG, TEXAS 78539

PROJECT NUMBER
224004

DATE
03/12/2024

CONSTRUCTION DOCUMENTS

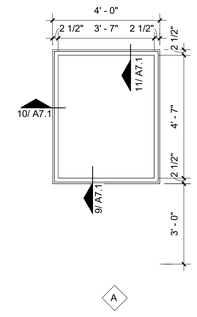
ISSUED FOR BIDS

SHEET NUMBER
A7.1

DOOR SCHEDULE

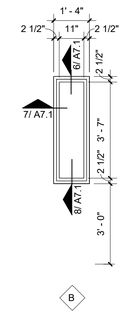
DOOR No.	DESCRIPTION	TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	FRAME TYPE	DOOR HARDWARE	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	Comments
100E	RECEPTION	EXISTING	-	-	-	EXISTING	EXISTING	EXISTING	REF: SPECS	-	-	-	ACCESS CONTROL, RE: SPECS
102	CONFERENCE ROOM	A	3' - 0"	7' - 0"	0' - 2"	ALUMINUM & GLASS	ANODIZED	ALUMINUM	REF: SPECS	*	*	*	*AS PER MANUFACTURER, ACCESS CONTROL, RE: SPECS
102A	CONFERENCE ROOM	C	3' - 0"	7' - 0"	0' - 1 3/4"	SOLID CORE WOOD	STAINED	A	REF: SPECS	1/A7.2	2/A7.2	3/A7.2	
103	DIRECTOR OFFICE	A	3' - 0"	7' - 0"	0' - 2"	ALUMINUM & GLASS	ANODIZED	ALUMINUM	REF: SPECS	*	*	*	*AS PER MANUFACTURER, ACCESS CONTROL, RE: SPECS
103E	DIRECTOR OFFICE	EXISTING	-	-	-	EXISTING	EXISTING	EXISTING	REF: SPECS	-	-	-	ACCESS CONTROL, RE: SPECS
104	RESTROOM	C	3' - 0"	7' - 0"	0' - 1 3/4"	SOLID CORE WOOD	STAINED	A	REF: SPECS	1/A7.2	2/A7.2	3/A7.2	
105	OFFICE	A	3' - 0"	7' - 0"	0' - 2"	ALUMINUM & GLASS	ANODIZED	ALUMINUM	REF: SPECS	*	*	*	*AS PER MANUFACTURER
106	OFFICE	A	3' - 0"	7' - 0"	0' - 2"	ALUMINUM & GLASS	ANODIZED	ALUMINUM	REF: SPECS	*	*	*	*AS PER MANUFACTURER
107	IT ROOM	C	3' - 0"	7' - 0"	0' - 1 3/4"	SOLID CORE WOOD	STAINED	A	REF: SPECS	1/A7.2	2/A7.2	3/A7.2	ACCESS CONTROL, RE: SPECS
108	JANITOR	C	3' - 0"	7' - 0"	0' - 1 3/4"	SOLID CORE WOOD	STAINED	A	REF: SPECS	1/A7.2	2/A7.2	3/A7.2	
111	CORRIDOR	C	3' - 0"	7' - 0"	0' - 1 3/4"	SOLID CORE WOOD	STAINED	A	REF: SPECS	1/A7.2	2/A7.2	3/A7.2	ACCESS CONTROL, RE: SPECS
111E	HALLWAY	EXISTING	-	-	-	EXISTING	EXISTING	EXISTING	REF: SPECS	-	-	-	ACCESS CONTROL, RE: SPECS
113	STORAGE	C	3' - 0"	7' - 0"	0' - 1 3/4"	SOLID CORE WOOD	STAINED	A	REF: SPECS	1/A7.2	2/A7.2	3/A7.2	
114	MECHANICAL	C	3' - 0"	7' - 0"	0' - 1 3/4"	SOLID CORE WOOD	STAINED	A	REF: SPECS	1/A7.2	2/A7.2	3/A7.2	
115	UNISEX R.R.	C	3' - 0"	7' - 0"	0' - 1 3/4"	SOLID CORE WOOD	STAINED	A	REF: SPECS	1/A7.2	2/A7.2	3/A7.2	
116	UNISEX R.R.	C	3' - 0"	7' - 0"	0' - 1 3/4"	SOLID CORE WOOD	STAINED	A	REF: SPECS	1/A7.2	2/A7.2	3/A7.2	
117	MEETING/ TRAINING ROOM	B	3' - 0"	7' - 0"	0' - 1 3/4"	SOLID CORE WOOD	STAINED	A	REF: SPECS	1/A7.2	2/A7.2	3/A7.2	ACCESS CONTROL, RE: SPECS
117E	MEETING/ TRAINING ROOM	EXISTING	-	-	-	EXISTING	EXISTING	EXISTING	REF: SPECS	-	-	-	ACCESS CONTROL, RE: SPECS

WINDOW TYPES



A

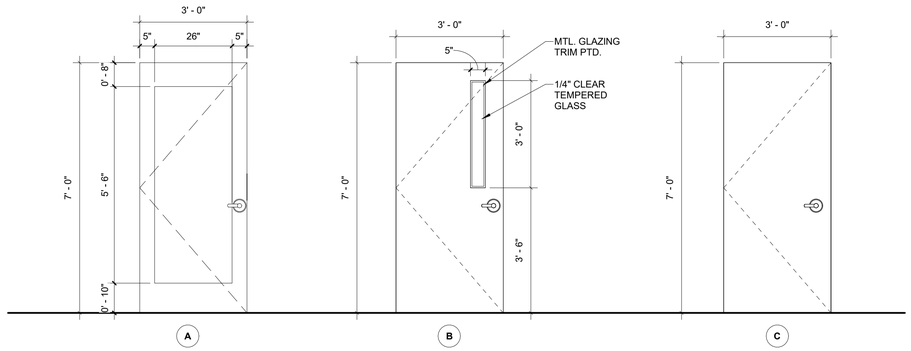
1" INSULATED LAMINATED TEMPERED GLASS
WITH ALUMINUM FRAME
GLASS TO BE TINTED
RE: SPECS



B

1" INSULATED LAMINATED TEMPERED GLASS
WITH ALUMINUM FRAME
GLASS TO BE TINTED
RE: SPECS

DOOR TYPES

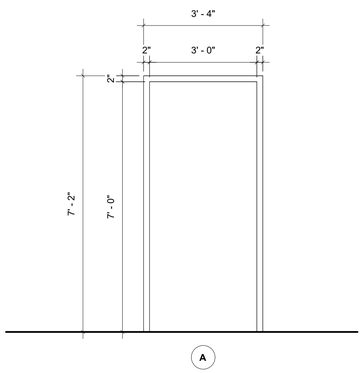


ALUMINUM & 1" TEMPERED GLASS
SINGLE DOOR

SOLID CORE WOOD DOOR
W/ VISION PANEL,
STAINED FINISH

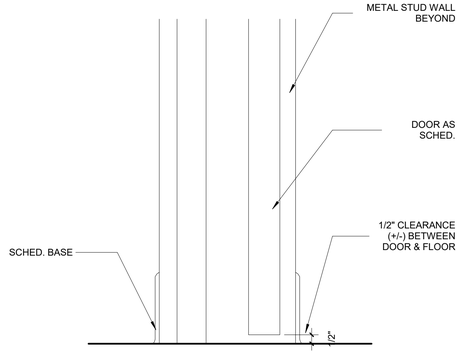
SOLID CORE WOOD DOOR
STAINED FINISH

FRAME TYPES

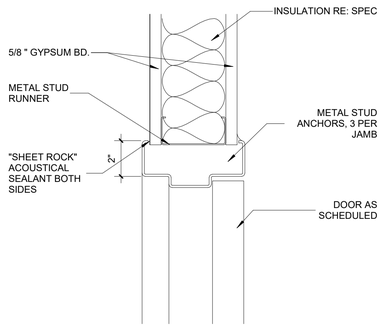


2" X 5 3/4" HOLLOW
METAL FRAME,
PAINTED.

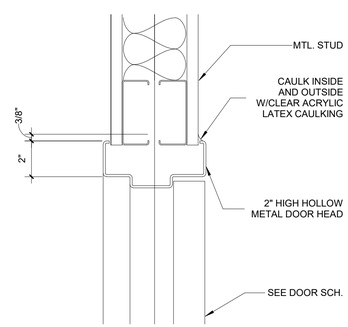
DOOR DETAILS



3 INT DOOR SILL DETAIL
3" = 1'-0"



2 INT. DOOR JAMB DETAIL
3" = 1'-0"



1 INT. DOOR HEAD DETAIL
3" = 1'-0"

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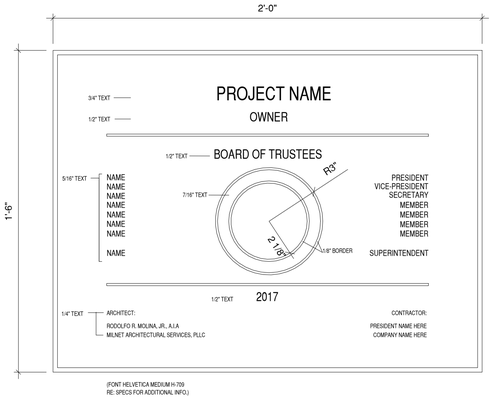
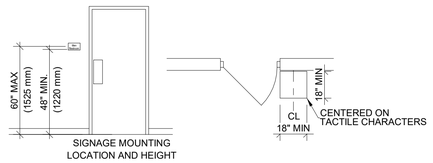
SHEET NUMBER
A7.2



(FONT HELVETICA MEDIUM H-709
RE: SPECS FOR ADDITIONAL INFO.)

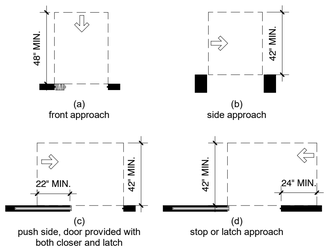
5 PLAQUE
N.T.S.

1. COLOR AS CLOSE TO COUNTERTOP AS POSSIBLE BASED ON STANDARDS COLORS.
2. 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.
3. 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".
4. RAISED AND FRAILLED CHARACTERS AND PICTORIAL SYMBOL SIGNS (PICTORGRAMS): LETTERS AND NUMERALS SHALL BE RAISED 1/32 IN, UPPER-CASE, SANS SERIF ANDS 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 BELO THE PICTOGRAM. THE BORDER DIMENSION OF THE PICTOGRAM SHALL BE 6 IN. (152mm) MINIMUM IN HEIGHT.
5. 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.
6. 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 SIGHN SHAL BE INSTALLED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT A CLEAR FLOOR SPACE OF 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.



SIGNAGE MOUNTING
LOCATION AND HEIGHT

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

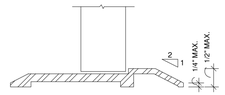


MANEUVERING CLEARANCE AT DOORWAYS WITHOUT DOORS, SLIDING DOORS, GATES AND FOLDING DOORS

DOOR CRITERIA:

GENERAL NOTES:

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



A. THRESHOLD

NOTES:
1. 1/2" MAXIMUM TOTAL HEIGHT WITH 1/4" MAXIMUM VERTICAL CHANGE AT EDGE.

2. 1 : 2 SLOPED BEVEL REQUIRED IF LEVEL CHANGE IS OVER 1/4" VERTICAL LEVEL CHANGE.

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

HARDWARE:

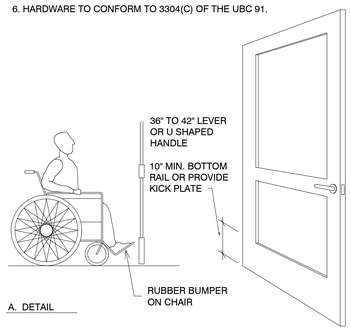
2. OPRRABLE FROM INSIDE WITHOUT USE OF KEY OR SPECIAL KNOWLEDGE OR EFFORT.

3. OPENABLE BY SINGLE EFFORT LEVER-TYPE DEVICE (NOT REQUIRING GRASPING).

4. MOUNTED 36" TO 42".

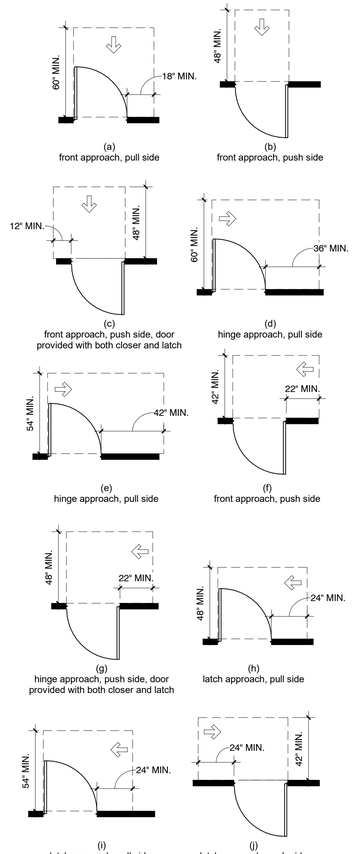
5. MAXIMUM 8.5 POUNDS EFFORT TO OPERATE EXTERIOR DOOR, 5 POUNDS FOR INTERIOR

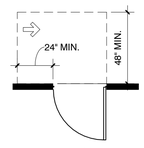
6. HARDWARE TO CONFORM TO 3304(C) OF THE UBC 91.



A. DETAIL

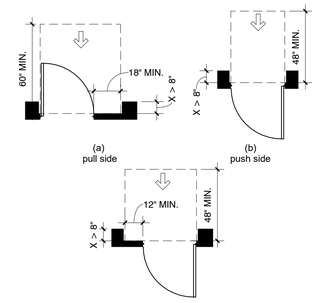
1 DOOR CRITERIA
N.T.S.



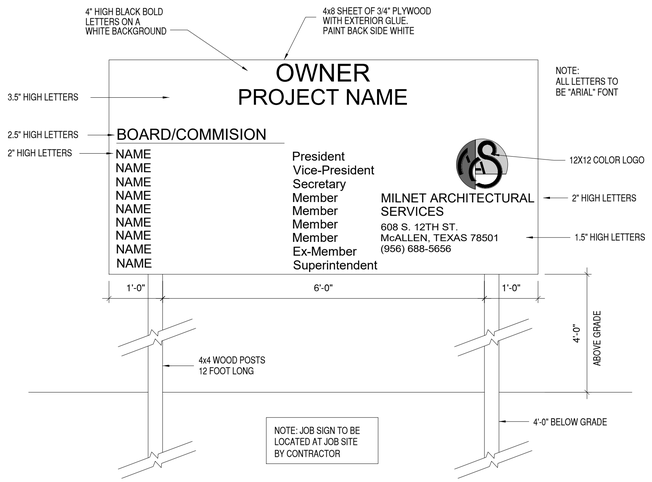


(k)
latch approach, push side
door provided with closer

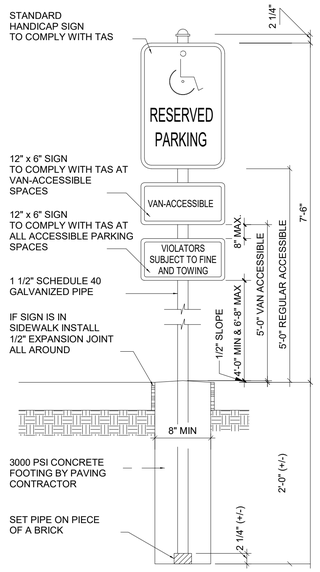
MANEUVERING CLEARANCE AT MANUAL SWINGING DOORS AND GATES



MANEUVERING CLEARANCE AT RECESSED DOORS AND GATES



4 JOB SITE SIGN
N.T.S.



2 ADA - PARKING SIGNAGE
1/8" = 1'-0"

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GENERAL NOTES - MECHANICAL:

(1) THE MECHANICAL CONTRACTOR IS FULLY RESPONSIBLE FOR PERFORMING THE WORK IN FULL COMPLIANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL CODES UNDER THIS SECTION OF THE CONTRACT. IF THE CONTRACTOR DETERMINES THAT THE CONTRACT DOCUMENTS AND PLANS ARE NOT IN COMPLIANCE WITH THE APPLICABLE LOCAL CODES, HE/SHE SHALL INFORM THE ARCHITECT PRIOR TO CONSTRUCTION START FOR DIRECTION. FAILURE TO DO SO SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO MEET APPLICABLE LOCAL CODES, AND RE-WORK SHALL BE AT CONTRACTOR'S EXPENSE.

(2) CONTRACTOR SHALL HANG AND INSTALL ALL DUCTWORK FLUSH WITH THE BUILDING STRUCTURE TO ACCOMMODATE NEW CEILINGS. CONTRACTOR SHALL COORDINATE ALL INSTALLATION WORK WITH ARCHITECTURAL AND ELECTRICAL DESIGN. ALL DUCTWORK SHALL BE MODIFIED AS NECESSARY AND REQUIRED TO FIT AROUND BUILDING STRUCTURES, ARCHITECTURAL BUILD-OUT AND ELECTRICAL CABLE TRAY INSTALLATIONS. MECHANICAL CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE WORK SCOPE OF OTHER TRADES AND PARTICIPATE IN COORDINATING ALL CONSTRUCTION EFFORTS.

(3) CONNECT EACH DIFFUSER TO THE MAIN DISTRIBUTION DUCTS WITH A FLEX-DUCT SECTION; CONNECTIONS SHALL BE COMPLETED IN ACCORDANCE WITH THE DETAIL. EACH FLEX-DUCT CONNECTION SHALL INCLUDE A BUTTERFLY DAMPER TO BE INSTALLED AT THE TRUNK DUCT.

(4) CONTRACTOR SHALL PROVIDE ALL DUCTWORK REQUIRED TO COMPLETE THE HVAC SYSTEM. TIE IN BRANCH DUCTS TO MAIN DUCTS WITH SHEET METAL FLANGES. FLANGE CONNECTION SHALL BE FASTENED WITH CRIMPED SHEET METAL STRIPS AND SEALED WITH SILICONE CAULK.

(5) CONTRACTOR SHALL SUPPLY AND INSTALL FIRE DAMPERS AND ACCESS DOORS IN THE HORIZONTAL DUCTS WHERE THEY PENETRATE FIRE WALLS & BARRIERS.

(6) ALL OPENINGS CUT IN MASONRY AND PLASTER WALLS OR CONCRETE FLOORS SHALL BE CORE DRILLED OR SAWED WHEN POSSIBLE. CONTRACTOR SHALL CHECK BUILDING CONSTRUCTION BEFORE MAKING PENETRATIONS TO AVOID CUTTING THROUGH STRUCTURAL BEAMS AND REINFORCING. CONTRACTOR SHALL INFORM THE ENGINEER IF REINFORCING IS CUT OR DAMAGED WHILE MAKING OPENINGS. CONTRACTOR SHALL REINFORCE ALL OPENINGS AS REQUIRED BY DRAWINGS AND SPECIFICATIONS. PATCH AND SEAL OPENINGS WITH 8000 PSI CEMENT GROUT. INSTALL DECORATIVE TRIM (EQUIPMENT FLANGES, FRAMING OR ESCUTCHEONS) AROUND OPENINGS IN FINISHED AREAS. COORDINATE ALL CUTTING AND PATCHING WITH THE OTHER TRADES

(7) ON ANY WORK SHOWN ON MECHANICAL DRAWINGS REQUIRING DEMOLITION OF EXISTING OR NEW BUILDING STRUCTURES AND FINISHES, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLETE THE NECESSARY DEMOLITION. CONTRACTOR SHALL PATCH AND REPAIR ALL DEMOLITION WORK. PATCHING SHALL BE COMPLETED WITH THE SAME MATERIALS AS THE SURROUNDING AREAS, OR WITH ARCHITECT-APPROVED PATCHING MATERIALS. REPAIRS SHALL BE COMPLETED ACCORDING TO ARCHITECTURAL SPECIFICATIONS. ALL REFINISHING SHALL BE APPROVED BY THE ARCHITECT.

(8) CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETING THE INSTALLATION OF THE AIR DISTRIBUTION SYSTEM SHOWN. DUCTWORK, DUCT ACCESSORIES AND CONTROLS SHOWN AND REQUIRED SHALL BE SUPPLIED AND INSTALLED. ALL INSTALLATION WORK SHALL BE DONE IN ACCORDANCE WITH APPLICABLE CODES, INCLUDING NFPA 90A AND 90B.(NFPA 90A: STANDARD FOR THE INSTALLATION OF AIR-CONDITIONING AND VENTILATING SYSTEMS)(NFPA 90B: STANDARD FOR THE INSTALLATION OF WARM AIR HEATING AND AIR-CONDITIONING SYSTEMS)

(9) CONTRACTOR SHALL BALANCE ALL AIR DISTRIBUTION SYSTEMS TO ACHIEVE THE AIR VOLUME REQUIREMENTS INDICATED. BALANCING SHALL INCLUDE ADJUSTMENT OF ALL MANUAL VOLUME DAMPERS, SHUTTER DAMPERS, ZONE DAMPERS (IF REQUIRED), BUTTERFLY DAMPERS AND INDIVIDUAL DIFFUSER VOLUME DAMPERS (FINAL BALANCING ONLY). CONTRACTOR SHALL SUPPLY THE ENGINEER WITH A COMPLETE BALANCING REPORT WHICH INCLUDES, VOLUME, ROOM REFERENCE AND ZONE VOLUME TOTALS.

(10) MOUNT ALL THERMOSTATS (SENSORS) 48" ABOVE THE FINISHED FLOOR LEVEL. THERMOSTATS SHOWN SHALL BE IN CONTROL OF THE ZONE SYSTEM WHICH IS SUPPLYING AIR TO THE AREA WHERE THE THERMOSTAT IS LOCATED. CONTRACTOR SHALL SUPPLY AND INSTALL ALL CONTROL VOLTAGE WIRING AND CONDUIT FOR THERMOSTAT (DDC CONTROL) INSTALLATION.

(11) CONTRACTOR SHALL INSTALL NEW REFRIGERANT PIPING FLUSH WITH THE BUILDING STRUCTURE AND MECHANICAL ROOM BOUNDARIES AS SHOWN. CONTRACTOR SHALL COORDINATE ALL INSTALLATION WORK WITH DUCTS AND ELECTRICAL CONDUIT. MECHANICAL CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE WORK SCOPE OF OTHER TRADES AND PARTICIPATE IN COORDINATING ALL CONSTRUCTION EFFORTS.
(12) ALL PIPING SHALL BE INSULATED AND JACKETED. REFER TO THE SPECIFICATIONS. THE CONDENSING AND ROOF TOP CONDENSER COILS ARE TO BE COATED IN ACCORDANCE WITH THE SPECIFICATIONS.

(13) PROVIDE EACH HVAC SYSTEM OF 2000 CFM & GREATER W/ DUCT SMOKE DETECTOR(S) IN COMPLIANCE WITH IBC 907.2.13.1.2 & 907.3.1 IN RETURN AIR DUCTWORK TO SHUTDOWN CONTROLS ON AIR HANDLERS AND SUPPLY FANS. SMOKE DETECTORS SHALL BE PROVIDED BY MECHANICAL & INSTALLED BY ELECTRICAL (OR REGISTERED FIRE ALARM COMPANY WHERE APPLICABLE). COORDINATE W/ EQUIPMENT MANUFACTURER & AUTHORITY HAVING JURISDICTION FOR RECOMMENDED MOUNTING LOCATION AND METHOD. COORDINATE TO PROVIDE A COMPLETE SYSTEM. PROVIDE BOTH SUPPLY AND RETURN SIDE DEVICES.

(14) PROVIDE SEVEN DAY PROGRAMMABLE THERMOSTAT, 24 HOUR SINGLE/MULTI STAGE COMMERCIAL THERMOSTAT. DUAL SET POINTS, OCCUPIED AND UNOCCUPIED PERIODS, UNIT OPTIMIZATION, AUTO HEATING/COOLING AND AUTO CHANGE OVER. SUB-BASE BACK-UP BATTERY AND TEMPORARY OVER-RIDE. 24 VAC CONTROL VOLTAGE. PROVIDE PLASTIC SEE THRU PROTECTIVE COVER WITH KEY LOCK.

(15) **FILTER INSTALLATION AND REPLACEMENT**
- A. INSTALL CONSTRUCTION RETURN FILTER AT EACH RETURN GRILLE BEFORE OPERATING PERMANENT AIR HANDLERS DURING CONSTRUCTION.
- B. REPLACE FILTERS AFTER COMPLETING CONSTRUCTION AND BEFORE CONDUCTING BUILDING FLUSH-OUT.
  1. REPLACE CONSTRUCTION RETURN FILTERS WITH FLUSH-OUT RETURN FILTERS.
  2. REPLACE SUPPLY FILTERS.

(16) **PRIOR TO START UP**
- A. CONTRACTOR SHALL FOLLOW THE AIR CONDITIONING EQUIPMENT MANUFACTURER'S STARTUP CHECKLIST.
  1. CONTRACTOR SHALL MAKE SURE THAT ALL DUCTWORK IS CLEAN AND THAT FILTERS ARE PROVIDED FOR EACH UNIT. IF INTERIOR CONDITIONS ARE NOT CLEAN AND AIR BORN DUST IS STILL PRESENT, TEMPORARY FILTERS SHALL BE PROVIDED AT EVERY RETURN AIR GRILLE.

MECHANICAL SYMBOL LEGEND

	
	
	
	
	SUPPLY AIR GRILLE SUPPLY AIR GRILLE-SLOT DIFFUSER
	RETURN AIR GRILLE ALL RETURN AIR DUCT DROPS TO INCLUDE A MANUAL DAMPER
	THERMOSTAT TEMPERATURE SENSOR TEMPERATURE OVERRIDE SENSOR/SWITCH
	FIRE DAMPER W/ ACCESSIBLE DUCT ACCESS DOOR FIRE/SMOKE DAMPER W/ ACCESSIBLE DUCT ACCESS DOOR
	FLOW DIRECTION
	PIPE DROP
	PIPE RISE
	RETURN AIR DUCT RISE/DROP
	SUPPLY AIR DUCT RISE/DROP
	WALL OR FLOOR SLEEVE
	CHILLED WATER SUPPLY/RETURN PIPING
	SQUARE TO ROUND DUCT TRANSITION

MECHANICAL ABBREVIATIONS

A/C	AIR CONDITIONED	MAX	MAXIMUM
AD	ACCESS DOOR	MBD	MANUAL BALANCING DAMPER
AFF	ABOVE FINISHED FLOOR	MD	MOTORIZED DAMPER
AHU	AIR HANDLING UNIT	MECH	MECHANICAL
APPROX	APPROXIMATE	MIN	MINIMUM
ARCH	ARCHITECTURAL	MS	MOTOR STARTER
BDD	BACK DRAFT DAMPER	NA	NOT APPLICABLE
BHP	BRAKE HORSEPOWER	NC	NORMALLY CLOSED
BTU	BRITISH THERMAL UNIT	NIC	NOT IN CONTRACT
CFM	CUBIC FEET PER MINUTE	NO	NORMALLY OPEN
CH	CHILLER	NTS	NOT TO SCALE
CHP	CHILLED WATER PUMP		
CLG	CEILING	OA	OUTSIDE AIR
CWP	CONDENSER WATER PUMP	OAH	OUTSIDE AIR INTAKE HOOD
CO	CLEANOUT	OBD	OPPOSED BLADE DAMPER
CT	COOLING TOWER	OC	ON CENTER
CU	CONDENSING UNIT		
CW	COLD WATER	P	PUMP
CL	CENTER LINE	PBD	PARALLEL BLADE DAMPER
		PP	PRIMARY CHILLED WATER PUMP
DB	DRY BULB	PRESS	PRESSURE
DIA	DIAMETER	PRV	PRESSURE REDUCING VALVE
DN	DOWN	PSIG	POUNDS PER SQUARE INCH (GAUGE)
DWG	DRAWING		
DX	DIRECT EXPANSION	R	RETURN (AIR DEVICE)
EAT	ENTERING AIR TEMPERATURE	RA	RETURN AIR
EDH	ELECTRIC DUCT HEATER	RE: 4M7.01	REFER TO DETAIL 4, SHEET M7.01
EF	EXHAUST FAN	RET	RETURN
ELEC	ELECTRICAL	RH	RELATIVE HUMIDITY
ELEV	ELEVATION	RHD	RELIEF HOOD
		RPM	REVOLUTIONS PER MINUTE
F	DEGREES FAHRENHEIT	RTU	ROOF TOP UNIT
FC	FAN COIL		
FD	FIRE DAMPER W/ DUCT ACCESS DOOR	S	SUPPLY (AIR DEVICE)
FLEX	FLEXIBLE	SA	SUPPLY AIR
FLG	FLANGE	SCH	SCHEDULE
FLR	FLOOR	SCHP	SECONDARY CHILLED WATER PUMP
FPM	FEET PER MINUTE	SD	SMOKE DAMPER
FT	FEET, FOOT	SEC	SECOND
FS	FLOW SWITCH	SF	SUPPLY FAN
		SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
GAL	GALLON		
GALV	GALVANIZED	SP	STATIC PRESSURE
GPM	GALLONS PER MINUTE	SPEC	SPECIFICATION
HB	HOSE BIBB	SF	SQUARE FOOT
HP	HORSEPOWER	STD	STANDARD
HR	HEAT PUMP (WATER SOURCE)		
HR	HOUR	TEMP	TEMPERATURE
HVAC	HEATING/VENTILATING/ AIR CONDITIONING	TSTAT	THERMOSTAT
		TYP	TYPICAL
HWP	HOT WATER PUMP		
HZ	HERTZ	UF	UNDER FLOOR
		UH	UNIT HEATER
ID	INSIDE DIAMETER	UL	UNDERWRITERS LABORATORIES
IE	INVERT ELEVATION (FLOW LINE)		
IN	INCHES	VEL	VELOCITY
INSUL	INSULATION	VENT	VENTILATE
IN WG	INCHES OF WATER	VF	VENTILATION FAN
KW	KILOWATT(S)	VOL	VOLUME
		VOLT	VOLTAGE
LAT	LEAVING AIR TEMPERATURE	W	WIDE, WIDTH
LB	POUND	W/	WITH
L	LOUVER	WB	WET BULB
		W/O	WITHOUT

APPLICABLE BUILDING CODE

2018 INTERNATIONAL EXISTING BUILDING CODE
2018 INTERNATIONAL RESIDENTIAL CODE
2017 NATIONAL ELECTRICAL CODE
2018 INTERNATIONAL ENERGY CONSERVATION CODE
2018 INTERNATIONAL FIRE CODE
2018 INTERNATIONAL PLUMBING CODE
2018 INTERNATIONAL MECHANICAL CODE
2018 INTERNATIONAL FUEL GAS CODE
2018 INTERNATIONAL SWIMMING POOL AND SPA CODE

INDEX OF SHEETS MECHANICAL

MILNET ARCHITECTURAL SERVICES
AMERICAN INSTITUTE OF ARCHITECTS

03-05-25

TRANSIT TERMINAL INTERIOR BUILD-OUT
EDINBURG ECONOMIC DEVELOPMENT CORPORATION
617 UNIVERSITY DR. EDINBURG, TEXAS 78539

PROJECT NUMBER
224004

DATE
03-05-25

CONSTRUCTION DOCUMENTS

SHEET NUMBER
M0.0

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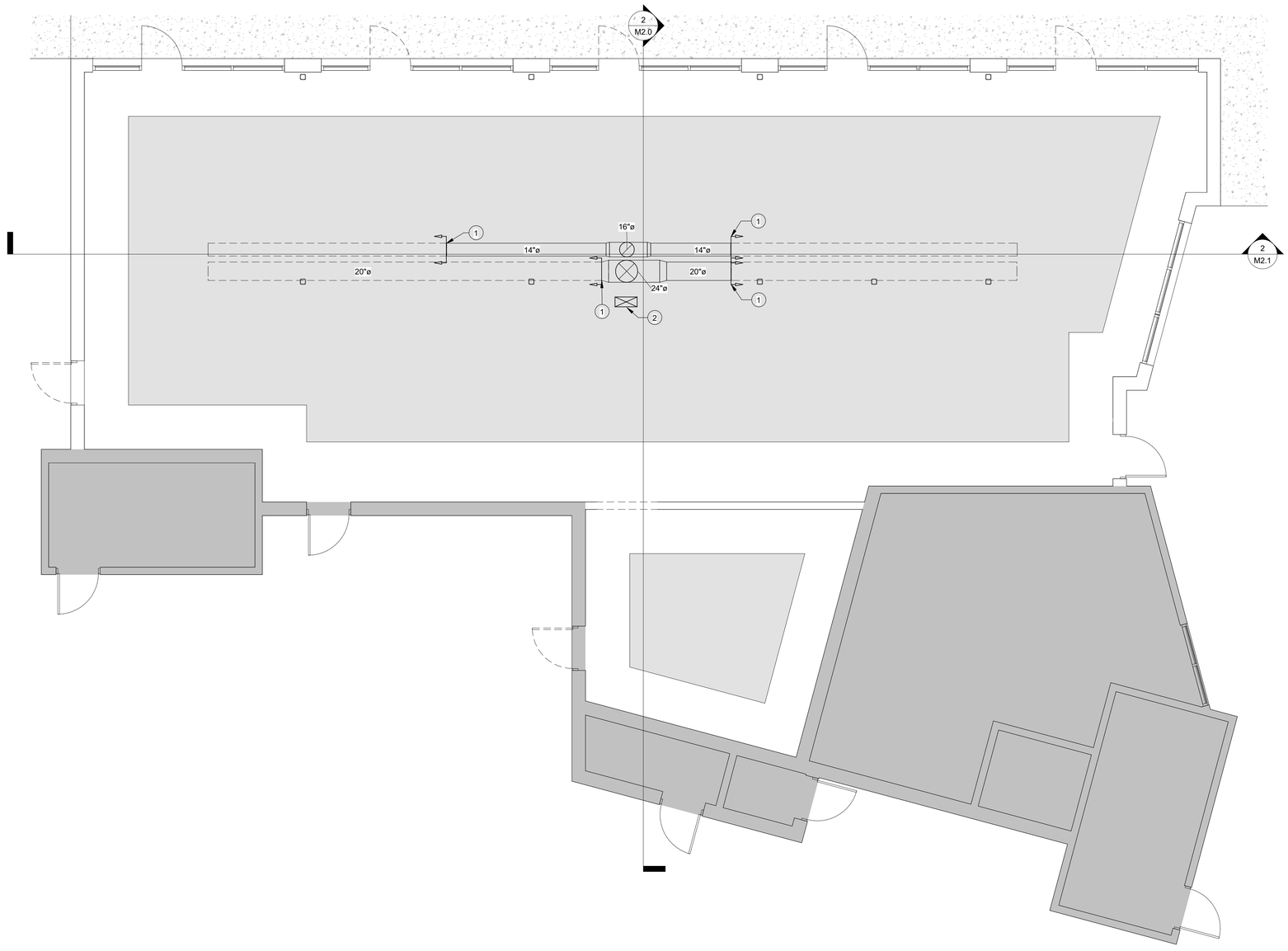
Texas Registered Engineering Firm - F10362

Project number: 24.3.3



1 MECHANICAL DEMOLITION PLAN
3/16" = 1'-0"

GENERAL DEMOLITION NOTES

A. THE EXTENT OF DEMOLITION WORK IS INDICATED ON THE ARCHITECTURAL DRAWINGS AND BY THE REQUIREMENTS OF THIS SECTION. A VISIT TO THE SITE WILL BE REQUIRED TO PROPERLY BID THE DEMOLITION WORK.

B. PROVIDE ALL DEMOLITION WORK REQUIRED FOR THE REMOVAL AND/OR RELOCATION OF HVAC FIXTURES AND EQUIPMENTS AND ASSOCIATED SERVICES TO PROVIDE A COMPLETE AND OPERABLE SYSTEM UPON COMPLETION OF THE PROJECT.

C. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW THE ARCHITECTURAL DOCUMENTS IN ADDITION TO THE DIVISION 15 AND 16 DOCUMENTS TO DETERMINE THE COMPLETE SCOPE OF WORK.

D. WHERE EQUIPMENT IS INDICATED OR REQUIRED TO BE REMOVED, THE ASSOCIATED SERVICES SHALL BE CAPPED AT A CONCEALED LOCATION.

E. WHERE SERVICES RUN ABOVE INACCESSIBLE CEILINGS OR IN WALLS WHICH ARE TO REMAIN UNDISTURBED, SERVICES SHALL BE CAPPED AT CONCEALED LOCATION AND ABANDONED

F. WHERE THE REMOVAL OF EQUIPMENT RENDERS EQUIPMENT DOWNSTREAM INOPERABLE, SERVICES SHALL BE EXTENDED TO THE DOWNSTREAM EQUIPMENT SO THAT THE FIXTURES ARE LEFT IN OPERATING CONDITION.

G. COORDINATE DEMOLITION OF DIVISION 15 SYSTEMS AS REQUIRED WITH ALL OTHER TRADES.

H. ALL EXISTING H.V.A.C. AND EQUIPMENT REMOVED DURING CONSTRUCTION THAT ARE NOT TO BE REUSED SHALL BE REMOVED FROM THE JOB SITE AND PROPERLY RETURNED TO THE OWNER, IF DESIRED BY OWNER.

I. WHERE EXISTING EQUIPMENT IS TO BE RELOCATED, BE CAUTIOUS TO PREVENT DAMAGE DURING THE REMOVAL AND REINSTALLATION. WHERE DAMAGE OCCURS, THE EQUIPMENT SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION AND APPROVAL OF THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.

J. EXISTING EQUIPMENT TO BE REUSED SHALL BE CLEANED AND REPAIRED AT THE DISCRETION OF THE ARCHITECT WHERE APPLICABLE.

K. ALL DEVICES ATTACHED TO WALLS OR CEILINGS SHALL BE REMOVED PER DEMOLITION NOTE A - L WHETHER SHOWN ON DRAWINGS OR NOT.

MECHANICAL KEYED NOTES	
1	EXISTING DUCTWORK TO BE DEMOLISHED.
2	EXISTING CHASE FOR REFRIGERANT LINES.

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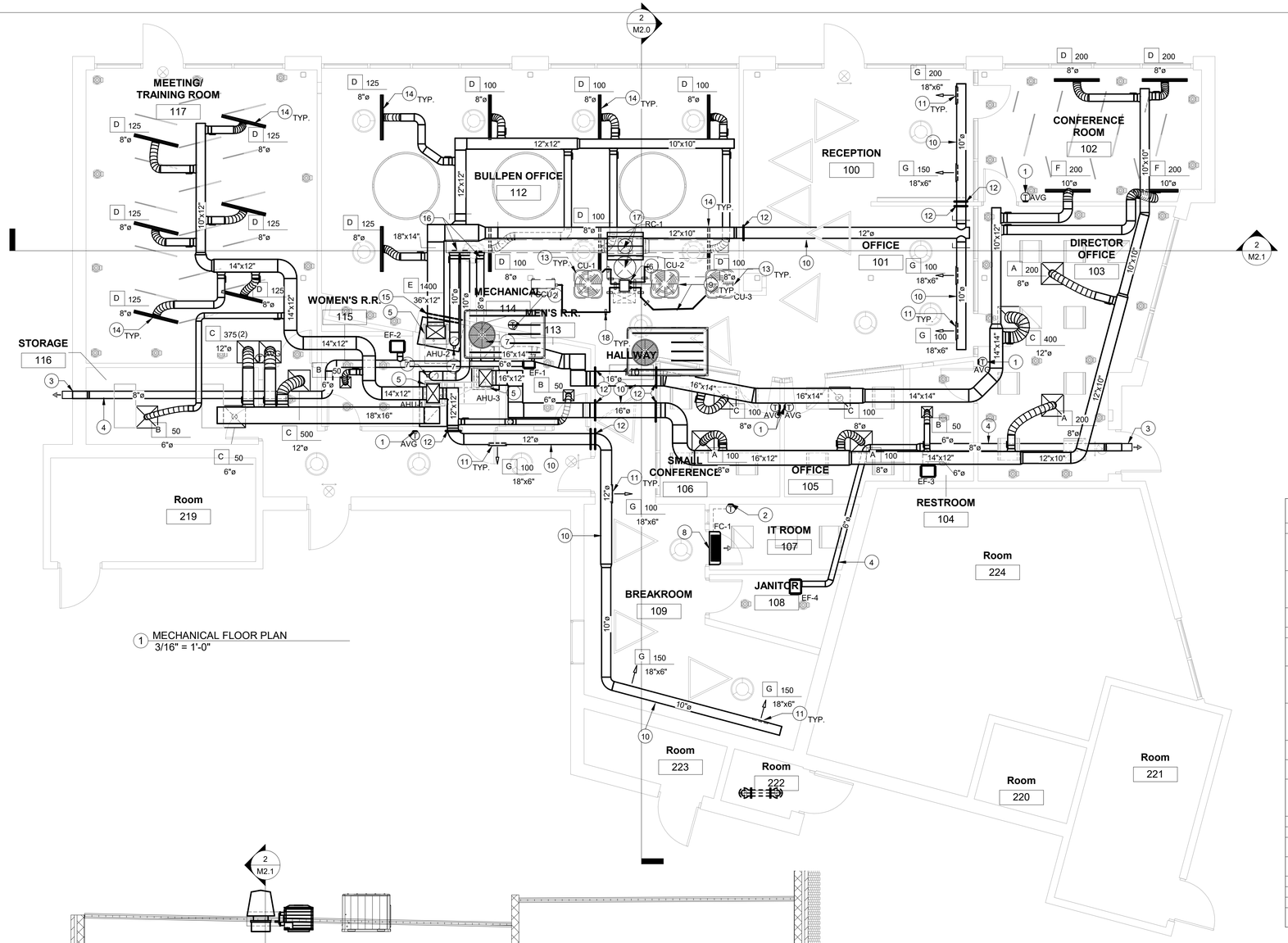
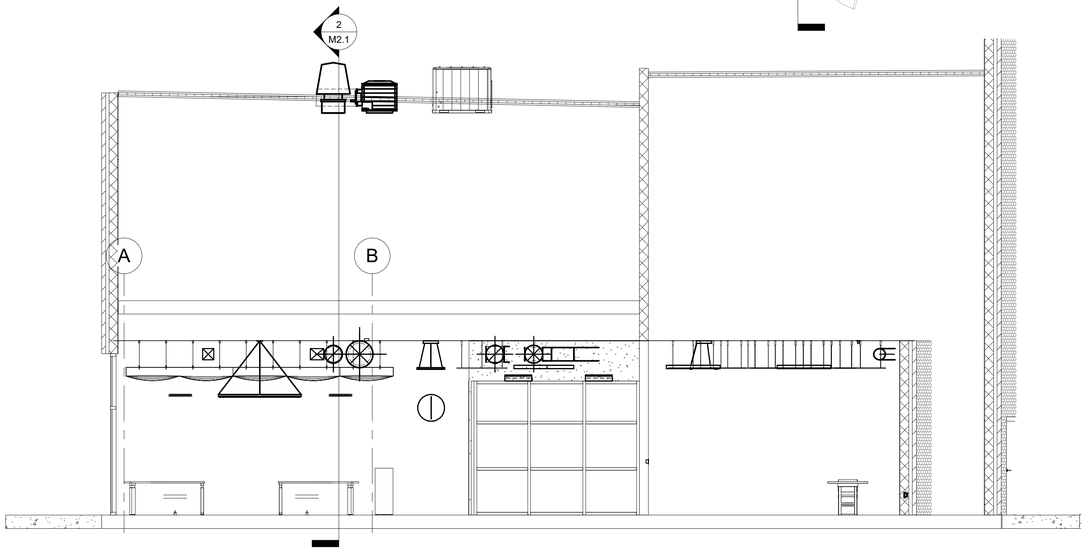


1 MECHANICAL FLOOR PLAN
3/16" = 1'-0"



2 MECHANICAL SECTION
3/16" = 1'-0"

MECHANICAL KEYED NOTES

1	CONTROLS FOR A/C UNIT WILL BE BY MEANS OF A 24 VOLT 7-DAY PROGRAMMABLE THERMOSTAT WITH HEAT-OFF-COOL AND FAN ON-AUTO CAPABILITIES SHOWN ON A DIGITAL DISPLAY WITH 5 DEGREE F DEADBAND AND HAVE SETPOINT OVERLAP RESTRICTIONS. MOUNT THERMOSTAT AT 48" ABOVE FINISHED FLOOR. PROVIDE WITH KEYED CLEAR PLASTIC COVER. TO BE AVERAGING THERMOSTAT.
2	CONTROLS FOR A/C UNIT WILL BE BY MEANS OF A 24 VOLT 7-DAY PROGRAMMABLE THERMOSTAT WITH HEAT-OFF-COOL AND FAN ON-AUTO CAPABILITIES SHOWN ON A DIGITAL DISPLAY WITH 5 DEGREE F DEADBAND AND HAVE SETPOINT OVERLAP RESTRICTIONS. MOUNT THERMOSTAT AT 48" ABOVE FINISHED FLOOR. PROVIDE WITH KEYED CLEAR PLASTIC COVER.
3	COORDINATE LOCATION OF LOUVERS/WALLCAPS TO NOT CONFLICT WITH CONTROL JOINTS AND DOWNSPOUTS.
4	ROUND EXHAUST DUCT OUT TO ALUMINUM WALL CAP.
5	UNIT TO BE MOUNTED ON A 24" HIGH PLATFORM CONSTRUCTED OF 1-1/2" ANGLE IRON/1" SQUARE METAL TUBING. WRAP PLATFORM IN GALVANIZED SHEET METAL. LINE INTERIOR OF PLATFORM W/ 1" DUCT BOARD, W/ FOIL FACING AIRSTREAM. COAT INSIDE W/ MASTIC (TO FACILITATE CLEANING) & SEAL AIR TIGHT.
6	ROUTE REFRIGERANT LINES AND CONDENSER ELECTRICAL CONDUIT BELOW ROOF VIA A "ROOF PENETRATION HOUSING" EQUAL TO "MEDIUM RPH" FROM 'ROOFPENETRATIONHOUSING.COM' ROUTE REFRIGERANT LINES TO RESPECTIVE AIR HANDLER, ANCHOR LINES TO STRUCTURE AND SEAL ALL PENETRATIONS WATER TIGHT. PROVIDE ALUMINUM JACKETING ON ALL LINES EXTERIOR TO THE BUILDING.
7	PROVIDE W/ MOTORIZED DAMPER W/ OPEN/CLOSE OPERATION. DAMPER TO BE ACTUATED TO MAX ONLY WHEN COMPRESSOR OR HEATER IS ENERGIZED & ACTUATED TO THE CLOSED POSITION @ ALL OTHER TIMES. PROVIDE W/ ADDITIONAL MANUAL BALANCING DAMPER TO BALANCE CFM AMOUNTS OF OUTSIDE AIR. MECHANICAL CONTRACTOR TO PROVIDE W/ ANY ELECTRICAL HARDWARE TO POWER DAMPER.
8	MOUNT AIR CONDITIONING UNIT CENTERED ABOVE DOOR. REFER TO PLUMBING PAGES FOR CONDENSATE ROUTING.
9	PROVIDE NEW ROOF CURB FOR CONDENSING UNIT. REFER TO ARCHITECTURAL DETAILS/DOCUMENTS FOR CURB TYPE & FLASHING. MECHANICALLY FASTEN UNIT TO CURB.
10	EXPOSED DUCT TO BE OF SINGLE WALL CONSTRUCTION. INTERNALLY LINE DUCT W/ 1" OF ACOUSTIC INSULATION EQUAL TO "KNAUFF INSULATION" 'SONIC XP DUCT LINER' OR EQUAL. DUCT TO BE GALVANIZED SHEET METAL PHOSPHATIZED (PAINT GRIP) OR OF GALVANNEALED CONSTRUCTION & PREPPED FOR PAINTING. COORDINATE W/ ARCH/OWNER FOR PAINT COLOR.
11	GRILLE TO BE MOUNTED AT 30 DEGREES BELOW HORIZON. DUCT BOOT NOT ALLOWED.
12	PROVIDE W/ ROUND ESCUTCHEON PLATE WHERE ROUND DUCT PENETRATES WALL.
13	FIELD COORDINATE WITH EXISTING ROOF MOUNTED EQUIPMENT AND DESIGNATED ROOF EQUIPMENT LOADING ZONES.
14	LINE UP SLOT DIFFUSERS WITH CEILING STYLE ORIENTATION. COORDINATE WITH ARCHITECT AND ENGINEER PRIOR TO MOUNTING.
15	MOUNT RETURN AIR GRILLE ON WALL, COORDINATE COLOR OF AIR DEVICE AND FRAME WITH ARCHITECT .
16	TIE NEW OUTSIDE AIR DUCT INTO EXISTING DUCT.
17	EXISTING DUCTWORK DESIGNATED FOR OA AND MUA PORPUSES.
18	PROVIDE ALUMINUM PIPING SUPPORTS AT EVERY 4' FEET. PROVIDE ALUMINUM JACKETING ON ALL LINES EXTERIOR TO THE BUILDING.

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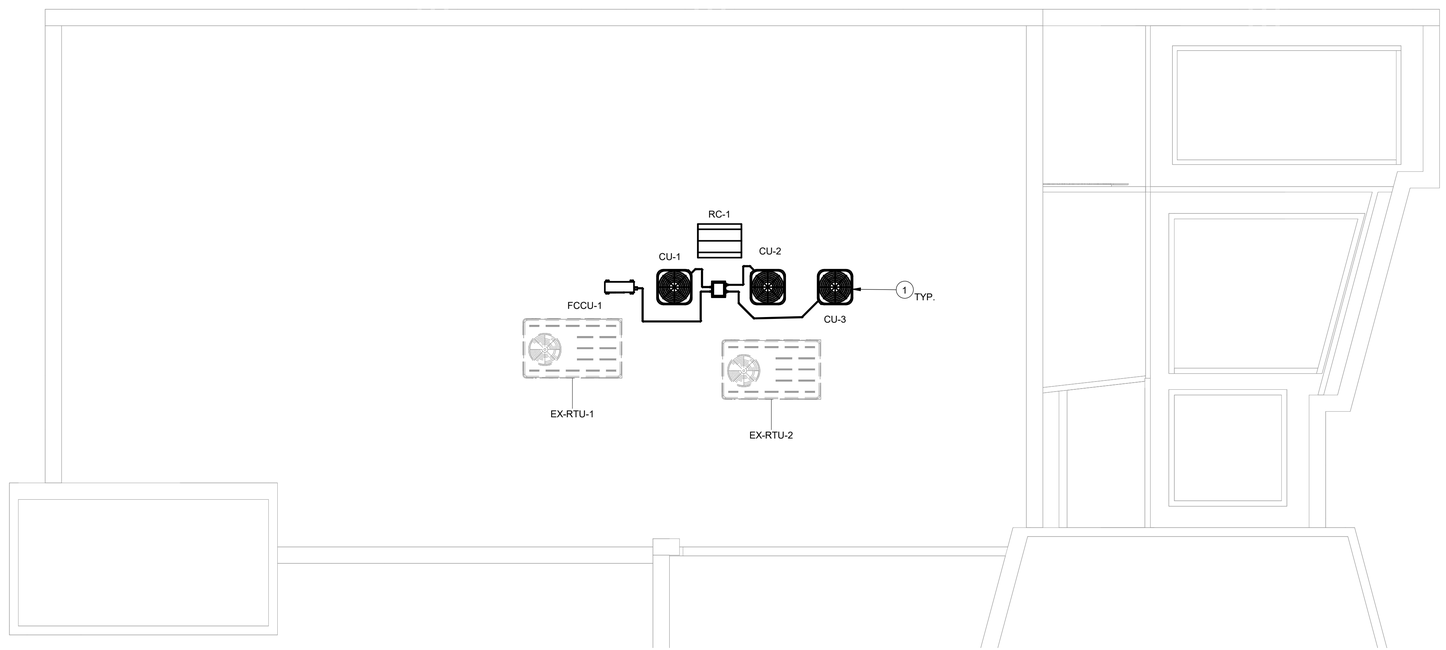
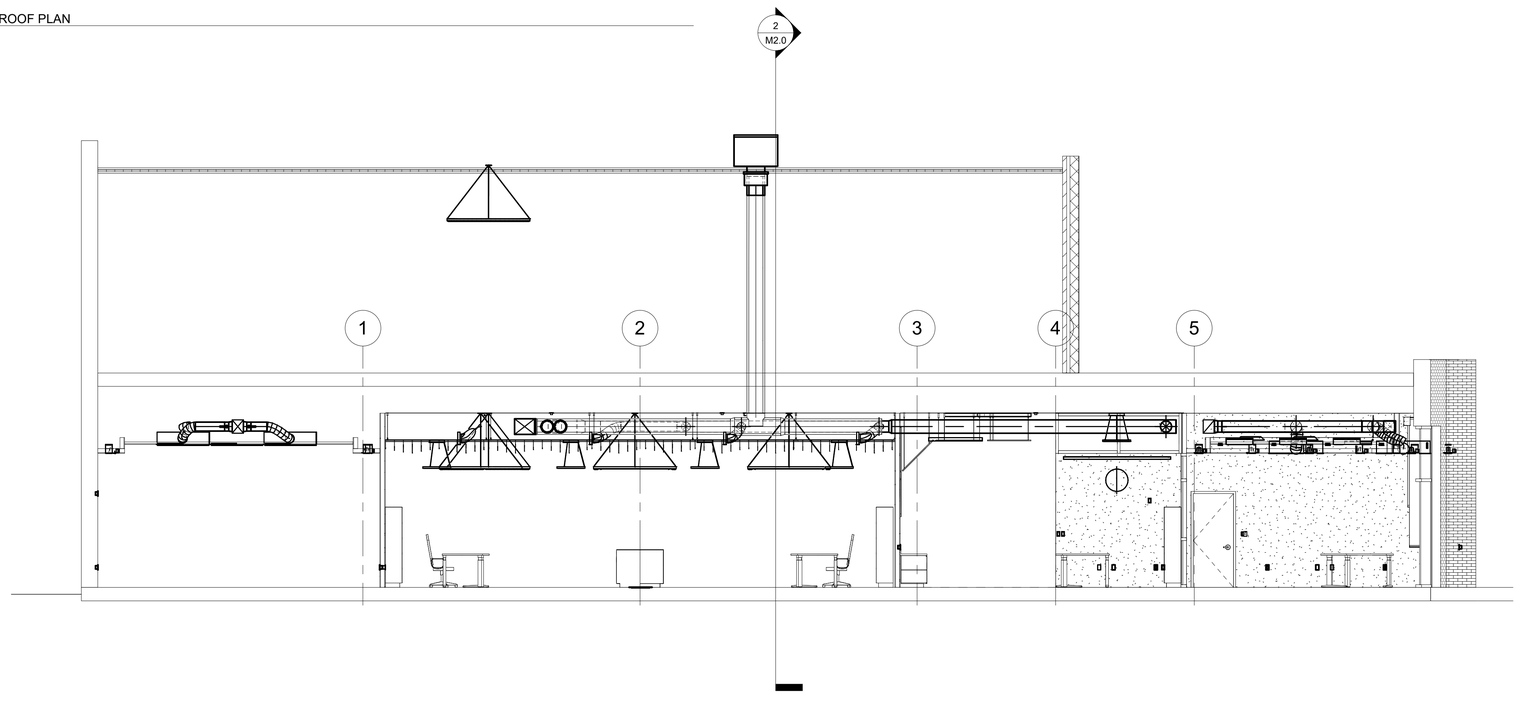


1 MECHANICAL ROOF PLAN
3/16" = 1'-0"

MECHANICAL KEYED NOTES	
1	FIELD COORDINATE WITH EXISTING ROOF MOUNTED EQUIPMENT AND DESIGNATED ROOF EQUIPMENT LOADING ZONES.



2 MECHANICAL SECTION 1
3/16" = 1'-0"

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AIR HANDLING UNIT SCHEDULE

TAG	AHU-1,2	AHU-3
TYPE	SNGL ZN VAV	SNGL ZN VAV
FLOW CONFIGURATION	VERTICAL	VERTICAL
AREA SERVED		
INDOOR UNIT FAN		
SUPPLY CFM	1400	1050
MIN. OUTSIDE AIR (CFM)	200	150
EXT. STATIC INCHES WC	0.5	0.5
MIN FAN POWER	3/4 HP - ECM	3/4 HP - ECM
INDOOR UNIT COOLING COIL		
ENTERING AIR DB/WB (°F)	77.2/64.4	77.2/64.4
LEAVING AIR DB/WB (°F	55.5/54.2	56.3/54.2
MIN. TOTAL/SENSIBLE CAPACITY (MBH)	41.6/32.5	30.9/23.4
DESIGN RETURN AIR DB/WB (°F)	73/61	73/61
DESIGN OUTSIDE AIR DB/WB (°F)	108/80	108/80
INDOOR UNIT HEATING SELECTION		
HEATER TYPE/AMBIENT DESIGN DB (°F)	ELEC/30	ELEC/30
HEAT INPUT/STAGES	10.8 KW/1	7.2 KW/1
ENTERING/LEAVING DB (°F)	64/88	64/86
DETAILS AND ACCESSORIES		
VOLTAGE/PHASE	208/1	208/1
MCA/MOCP	73/80	48/50
MANUFACTURER	TRANE	TRANE
MODEL	GAM580C48	GAM580C48
NOMINAL UNIT SIZE TONNAGE	4.0 TONS	3.0 TONS
MAX WEIGHT (lbs)	175 LBS	175 LBS
NOTES	1-8	1-8

CONDENSING UNIT SCHEDULE

TAG	CU-1,2	CU-3
OUTDOOR UNIT ELECTRICAL		
VOLTAGE/PHASE	208/1	208/1
MCA/MOCP	28/45	18.4/30
DETAILS AND ACCESSORIES		
MIN COOL/HEAT EFFICIENCY	16 SEER/-	16 SEER/-
COMPRESSOR QTY/STAGE QTY	1/2	1/2
COOL/HEAT AMBIENT DB (°F)	108/30	108/30
MANUFACTURER	TRANE	TRANE
MODEL	4TTR6048	4TTR6036
NOMINAL UNIT SIZE TONNAGE	4.0 TONS	3.0 TONS
MAX WEIGHT	325 lbs	325 lbs
NOTES	6-10	6-10

NOTES:
01. MECHANIC ADJUSTING CONTRACTOR TO PROVIDE ADDITIONAL BELTS & PULLEYS AS NECESSARY SUCH THAT TESTING & BALANCING CAN BE PERFORMED TO THE DESIGN AIR VOLUMES SPECIFIED IN SCHEDULE ABOVE.
02. PROVIDE W/ 2" EZ FILTER RACK BENEATH UNIT.
03. PROVIDE W/ LIQUID LINE FILTER-DRIER, SIZED AT TWICE THE SIZE OF MINIMUM SIZE RECOMMENDATION. LOCATE FILTER-DRIER INSIDE OF AHU/MECH RM, WITHIN 3' OF AHU METERING DEVICE. PROVIDE W/ SIGHT GLASS BETWEEN FILTER-DRIER & METERING DEVICE.
04. PROVIDE AUXILIARY DRAIN PAN W/ CUTOFF FLOAT SWITCH WIRED TO T-STAT. PROVIDE W/ SINGLE POINT POWERED CONDENSATE PUMP. REFER TO PLUMBING SHEETS FOR CONDENSATE ROUTING.
05. PROVIDE W/ FACTORY DUCT SMOKE DETECTOR. REFER TO MANUFACTURER'S INTALLATION MANUAL FOR INSTRUCTIONS. TO BE MOUNTED & WIRED BY MECH CONTRACTOR.
06. PROVIDE W/ SINGLE POINT PWR; TRANE, CARRIER, LENNOX. ACCEPTABLE MFGs.
07. CLEARANCES & SA/RA COLLARS SHOWN ON PLANS ARE FOR SCHEDULED MAKE/MODEL. IF A SUBSTITUTION IS MADE, CONTRACTOR TO BE RESPONSIBLE FOR PROVIDING SA/RA DUCTWORK & CLEARANCES AS PER SUBSTITUTED MANUFACTURER'S REQUIREMENTS.
08. PROVIDE W/ SINGLE ZONE VAV CONTROL.
09. PROVIDE CONDENSER W/ FACTORY HAIL GUARDS & RUBBER ISOLATOR MOUNTING KIT.
10. PROVIDE CONDENSER COIL W/ FACTORY APPROVED E-COAT.

DX MINI-SPLIT SCHEDULE

INDOOR UNIT TAG	FC-1
SERVES	IT ROOM
LOCATION	WALL
UNIT TYPE	COOLING ONLY
FAN PROPERTIES	
MIN SUPPLY (CFM)	400
MINIMUM O/A (CFM)	0
UNIT CAPACITIES	
ENTERING AIR (DB/WB)	74/62
TOTAL CAPACITY (BTUH	9,000
HEATING CAPACITY (BTUH)	0
UNIT DETAILS	
VOLTAGE/PHASE	208/1
MANUFACTURER	DAIKIN
MODEL NO.	FTK09NMVJU
MAX WEIGHT (LBS)	25
CONDENSING UNIT TAG	**FCCU-1**
DETAILS	
VOLTAGE/PHASE	208/1
MCA/MOCP	13/15
AMB. AIR TEMP. (CLG°F/HTG°F)	100/33
REFRIGERANT	R-410A
COOLING MODE OPER. RANGE	15°F - 110°F
HEATING MODE OPER. RANGE	N/A
MANUFACTURER	DAIKIN
MODEL NO.	RK09NMVJU
MAX WEIGHT (LBS)	75
MIN COOL/HEAT EFFICIENCY	19 SEER/-
MIN EQUIV. LINE LENGTH (FT)	65
MIN VERTICAL RISE (FT)	45
CONTROL TYPE	WL-RC
NOTES	ALL

NOTES:
01. ELECTRICAL CONTRACTOR TO PROVIDE SINGLE CIRCUIT POWER FROM SERVICE TO OUTDOOR UNIT & WIRE TO INDOOR UNIT.
02. PROVIDE W/ WIRED WALL MOUNTED THERMOSTAT W/ OFF-AUTO-ON FUNCTIONALITY. FAN COIL TO BE SET TO AUTO (TURNS FAN OFF WHEN SET-POINT IS REACHED).
03. PROVIDE INDOOR UNITS WITH MOUNTING BRACKETS IF REQUIRED.
04. SEE PLUMBING FOR CONDENSATE ROUTING.
05. CONTRACTOR TO PROVIDE ROOF CURB TO ANCHOR CONDENSER TO.
06. CONTRACTOR TO PROVIDE LINE SETS.
07. SIGHT GLASSES, FILTER DRYERS, & FIELD SUPPLIED EXPANSION VALVES ARE NOT TO BE USED ON THIS EQUIPMENT.
08. INSTALL PER MANUFACTURERS INSTRUCTIONS & PIPING RECOMMENDATIONS.
09. PROVIDE W/ SINGLE POINT POWERED CONDENSATE PUMP, REFER TO PLUMBING SHEETS FOR ROUTING.

AIR DEVICE SCHEDULE

TAG	A	B	C	D	E	F	G
SERVICE TYPE	SUPPLY	SUPPLY	RETURN	SUPPLY	RETURN	RETURN	SUPPLY
PHYSICAL PROPERTIES							
FACE SIZE	24"x24"	12"x12"	24"x24"	ONE 48"X2" SLOT	SEE PLANS	ONE 48"X2" SLOT	SEE PLANS
NECK SIZE	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS	SEE PLANS
MOUNTING SURFACE	CEILING	CEILING	CEILING	CEILING	WALL	CEILING	ROUND DUCT
DETAILS AND ACCESSORIES							
DAMPER TYPE	OPPOSED BLADE	OPPOSED BLADE	OPPOSED BLADE	BUTTERFLY DAMPER	OPPOSED BLADE	BUTTERFLY DAMPER	AIR SCOOP
ACCESSORY	INSUL BACKPAN	INSUL BACKPAN	INSUL BACK PAN	INSUL PLENUM	NONE	INSUL PLENUM	ROUND FRAME
COLOR FINISH	WHITE	WHITE	WHITE				
MATERIAL	STEEL	ALUMINUM	ALUMINUM	ALUMINUM	STEEL	ALUMINUM	ALUMINUM
MANUFACTURER	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE	PRICE
MODEL	SCD	ASCD	80	ASPI	535	ASPI	SDGE
NOTES				1		1	1,2

NOTES:
01. COORDINATE COLOR OF AIR DEVICE & FRAME W/ ARCHITECT.
02. PROVIDE W/ FLUSH-TO-ROUND DUCT AIR DEVICE FRAME: DUCT BOOT UNACCEPTABLE.

FAN SCHEDULE

TAG	EF-1,2,3	EF-4
SERVICE	RRs	JANITOR
LOCATION	CEILING	CEILING
FAN PROPERTIES		
CFM	75	50
FAN RPM	900	613
EXT SP (IN WG)	0.15	0.2
FAN MOTOR SIZE	18 W	12 W
VOLTS/PHASE	120/1	120/1
SOUND LEVEL	0.6 SONE	0.7 SONES
MOUNTING	CEILING	CEILING
MANUFACTURER	GREENHECK	GREENHECK
MODEL	SP-B80	SP-B70
MAX WEIGHT	25 lbs	25 lbs
NOTES	ALL	1-5

NOTES:
01. PROVIDE WITH FACTORY INSTALLED DISCONNECT.
02. PROVIDE W/ FAN SPEED CONTROLLER
03. PROVIDE W/ BACKDRAFT DAMPER.
04. INTERLOCK FAN W/ LIGHTS. PROVIDE STEP UP TRANSFORMER IF LIGHTS ARE AT DIFFERENT VOLTAGE. REFER TO LIGHTING SHEETS.
05. PROVIDE W/ TIMED DELAY SHUTOFF

OUTSIDE AIR CALCULATIONS

BASED ON IMC 2018, SECTION 403, TABLE 403.3.1.1

AREA	OCCUPANT QUANTITY	REQ'D OA CFM/OCC	TOTAL OCC OA REQ'D	SQFT	REQ'D OA CFM/SQFT	TOTAL SQFT OA REQ/D	RM TOTAL OA REQ'D	TOTAL OA SUPPLIED
109 BREAK ROOM	4	5	20	292	0.06	17.52	38	
110 CORRIDOR	0	0	0	175	0.06	10.5	11	
111 CORRIDOR	0	0	0	92	0.06	5.52	6	
113 STORAGE	0	0	0	64	0.12	7.68	8	
115 UNISEX RR	1	0	0	68	0	0	0	
116 UNISEX RR	1	0	0	77	0	0	0	
117 MEETING/TRAINING RM	15	5	75	622	0.06	37.32	112	
TOTAL AHU-1	**21**			**1390**			**174**	**200**

AREA	OCCUPANT QUANTITY	REQ'D OA CFM/OCC	TOTAL OCC OA REQ'D	SQFT	REQ'D OA CFM/SQFT	TOTAL SQFT OA REQ/D	RM TOTAL OA REQ'D	TOTAL OA SUPPLIED
100 RECEPTION	4	5	20	443	0.06	26.58	47	
101 OFFICE	1	5	5	133	0.06	7.98	13	
112 BULLPEN OFFICE	4	5	20	938	0.06	56.28	76	
TOTAL AHU-2	**9**			**1514**			**136**	**200**

AREA	OCCUPANT QUANTITY	REQ'D OA CFM/OCC	TOTAL OCC OA REQ'D	SQFT	REQ'D OA CFM/SQFT	TOTAL SQFT OA REQ/D	RM TOTAL OA REQ'D	TOTAL OA SUPPLIED
102 CONFERENCE RM	10	5	50	242	0.06	14.52	65	
103 DIRECTOR OFFICE	1	5	5	364	0.06	21.84	27	
104 RESTROOM	1	0	0	61	0	0	0	
105 OFFICE	1	5	5	113	0.06	6.78	12	
106 OFFICE	1	5	5	123	0.06	7.38	12	
TOTAL AHU-3	**14**			**903**			**116**	**150**

ROOF CAP SCHEDULE

TAG	RC-1
TYPE	INTAKE
SERVES	AHUs
LOCATION	ROOF
DETAILS AND ACCESSORIES	
MAX AIR VOL. (CFM)	800
NECK SIZE (INCHES)	16"
MAX PRESSURE DROP (IN WG)	0.048
MAX. THROAT VELOCITY (FPM)	450
INCLUDED SCREEN(S)	BIRD
HOUSING MATERIAL	ALUMINUM
ROOF CURB HEIGHT	14" TDI CURB
MANUFACTURER	GREENHECK
MODEL	FGI
NOTES	1,2

NOTES:
01. TO BE HIGH WIND RATED.
02. PROVIDE W/ 2018 IBC COMPLIANT ROOF CURB, ANCHOR FAN TO STRUCTURE VIA CURB IN COMPLIANCE W/ TDI.

AIR BALANCE SCHEDULE

MARK	O.A. IN (+)	E.A. OUT (-)	BALANCE (+/-)
AHU-1	200		
AHU-2	200		
AHU-3	150		
EF-1		75(INTERMITTENT)	
EF-2		75(INTERMITTENT)	
EF-3		75(INTERMITTENT)	
EF-4		50(INTERMITTENT)	
TOTAL	**550**	**0**	**(+) 550**

MILNET ARCHITECTURAL SERVICES
AMERICAN INSTITUTE OF ARCHITECTS

STATE OF TEXAS
Wilford L. McGee III
121939
REGISTERED
03-05-25

TRANSIT TERMINAL INTERIOR BUILD-OUT
EDINBURG ECONOMIC DEVELOPMENT CORPORATION
617 UNIVERSITY DR. EDINBURG, TEXAS 78539

PROJECT NUMBER
224004

DATE
03-05-25

CONSTRUCTION DOCUMENTS

SHEET NUMBER
M3.0

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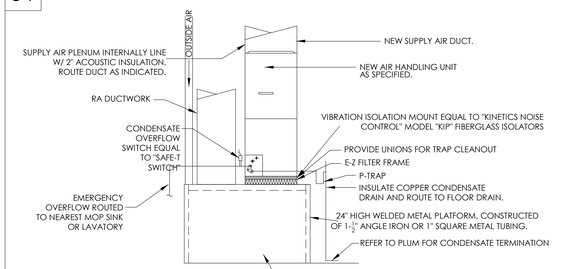
Project number: 24.3.3

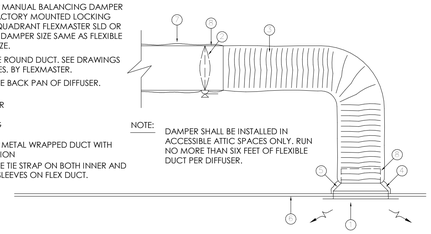
01



AIR HANDLING UNIT CONFIGURATION
NOT TO SCALE

02

1. CEILING DIFFUSER
2. ROUND MANUAL BALANCING DAMPER WITH FACTORY MOUNTED LOCKING HAND QUADRANT FLEXMASTER SLD OR EQUAL. DAMPER SIZE SAME AS FLEXIBLE DUCT SIZE.
3. FLEXIBLE ROUND DUCT. SEE DRAWINGS FOR SIZES. BY FLEXMASTER.
4. INSULATE BACK PAN OF DIFFUSER.
5. DIFFUSER
6. CEILING
7. ROUND METAL WRAPPED DUCT WITH INSULATION
8. PROVIDE TIE STRAP ON BOTH INNER AND OUTER SLEEVES ON FLEX DUCT.

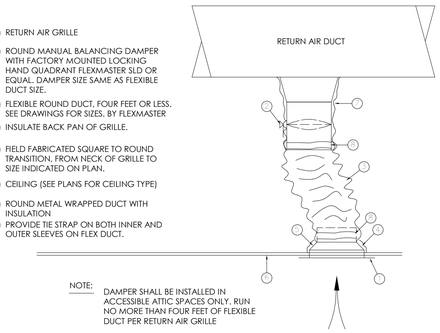


NOTE: DAMPER SHALL BE INSTALLED IN ACCESSIBLE ATTIC SPACES ONLY. RUN NO MORE THAN SIX FEET OF FLEXIBLE DUCT PER DIFFUSER.

DIFFUSER RUN OUT DETAIL
NO SCALE

03

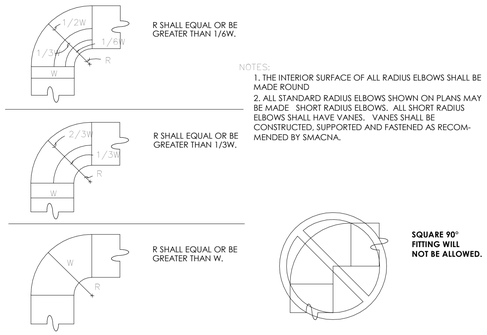
1. RETURN AIR GRILLE
2. ROUND MANUAL BALANCING DAMPER WITH FACTORY MOUNTED LOCKING HAND QUADRANT FLEXMASTER SLD OR EQUAL. DAMPER SIZE SAME AS FLEXIBLE DUCT SIZE.
3. FLEXIBLE ROUND DUCT. FOUR FEET OR LESS. SEE DRAWINGS FOR SIZES. BY FLEXMASTER
4. INSULATE BACK PAN OF GRILLE.
5. FIELD FABRICATED SQUARE TO ROUND TRANSITION. FROM NECK OF GRILLE TO SIZE INDICATED ON PLAN.
6. CEILING (SEE PLANS FOR CEILING TYPE)
7. ROUND METAL WRAPPED DUCT WITH INSULATION
8. PROVIDE TIE STRAP ON BOTH INNER AND OUTER SLEEVES ON FLEX DUCT.



NOTE: DAMPER SHALL BE INSTALLED IN ACCESSIBLE ATTIC SPACES ONLY. RUN NO MORE THAN FOUR FEET OF FLEXIBLE DUCT PER RETURN AIR GRILLE

RETURN AIR GRILLE ATTACHMENT DETAIL
NO SCALE

04



R SHALL EQUAL OR BE GREATER THAN 1/6W.

R SHALL EQUAL OR BE GREATER THAN 1/3W.

R SHALL EQUAL OR BE GREATER THAN W.

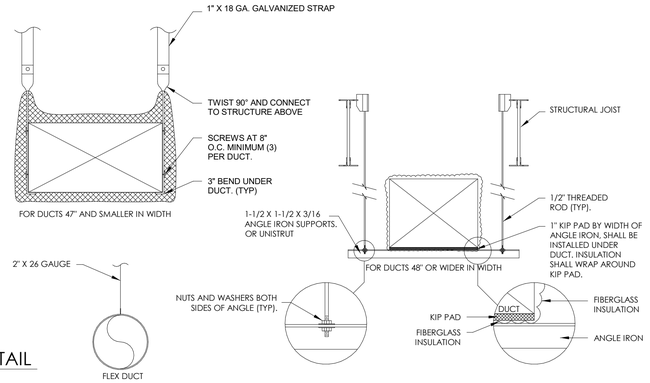
NOTES:
1. THE INTERIOR SURFACE OF ALL RADIUS ELBOWS SHALL BE MADE ROUND
2. ALL STANDARD RADIUS ELBOWS SHOWN ON PLANS MAY BE MADE SHORT RADIUS ELBOWS. ALL SHORT RADIUS ELBOWS SHALL HAVE VANES. VANES SHALL BE CONSTRUCTED, SUPPORTED AND FASTENED AS RECOMMENDED BY SMACNA.

SQUARE 90° FITTING WILL NOT BE ALLOWED.

RADIUS DUCT ELBOW DETAIL
NO SCALE

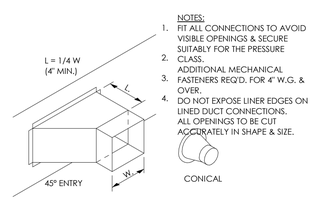
05

DUCT SUPPORT:
1. HANGER ATTACHMENTS TO STRUCTURE: SEE DIVISION 23 SECTION "HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT". MINIMUM ROD OR BOLT SIZE 5/8(9MM).
2. SUSPEND HORIZONTAL GALVANIZED RECTANGULAR DUCTWORK 47" (1220MM) OR LESS IN LARGEST DIMENSION FROM CONSTRUCTION BY 1 INCH BY 18 GAUGE (25MM X 1.3MM) GALVANIZED STRAP HANGERS SCREWED 8 INCHES (200MM) O.C. TO DUCTS. USE THREE (3) SCREWS MINIMUM PER STRAP. BEND STRAP UNDER DUCT AND SCREW INTO BOTTOM OF DUCT.
3. SUSPEND HORIZONTAL RECTANGULAR STAINLESS STEEL AND COATED DUCTWORK 48" (1220MM) OR LESS IN LARGEST DIMENSION FROM CONSTRUCTION BY 1 INCH BY 18 GAUGE (25MM BY 1.3MM) GALVANIZED STEEL STRAP HANGERS BOLTED TO MATING FLANGES AT MINIMUM OF THREE LOCATIONS. (TOP,MIDDLE,BOTTOM).
4. DUCTS OVER 48" (1220MM) IN LARGEST DIMENSION SUPPORT FROM UNISTRUT, SUPERSTRUT, OR EQUAL, TRAPEZE HANGERS SIZED FOR THE LOAD, PER SMACNA STANDARDS.
5. SUPPORT ROUND STEEL DUCTWORK FROM CONSTRUCTION BY 1 INCH BY 18 GUAGE (25MM BY 1.3MM) GALVANIZED STRAP HANGERS WITH INSIDE RADIUS OF LOOP HANGER EQUAL TO OUTSIDE RADIUS OF DUCT. FOR DUCTS UNDER 12" DIAMETER, PROVIDE SUPPORTS 10 FEET (3CM) O.C; 12 FEET (3.6M) AND OVER, 6 FEET (1.8M) O.C. PROVIDE NOT LESS THAN ONE HANGER PER BRANCH AND AT EACH CHANGE OF DIRECTION.
6. SUPPORT ROUND FLEXIBLE DUCTWORK FROM CONSTRUCTION BY 2 INCHES BY 26 GAUGE (50 MM BY 0.55MM) GALVANIZED STRAP HANGERS WITH INSIDE RADIUS OF LOOP HANGER EQUAL TO OUTSIDE RADIUS OF DUCT. LOCATE SUPPORTS TO AVOID KINKS AND SHARP BENDS.
7. DOUBLE FOLD STRAPS AT ATTACHMENTS TO STRUCTURE.
8. SPACE HANGERS NOT OVER 96 INCHES (2440MM) ON CENTER FOR DUCTS SMALLER THAN 18 INCHES (457MM) IN LARGEST DIMENSION; 60 INCHES (1524MM) O.C. FOR DUCTS 18 INCHES (457MM) AND OVER.



DUCT HANGER DETAIL
NO SCALE

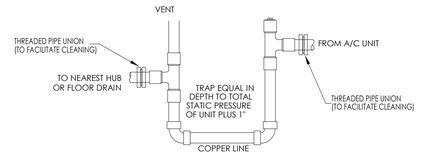
06



NOTES:
1. FIT ALL CONNECTIONS TO AVOID VISIBLE OPENINGS & SECURE SUITABLY FOR THE PRESSURE
2. CLASS. ADDITIONAL MECHANICAL
3. FASTENERS REQ'D. FOR 4" W.G. & OVER.
4. DO NOT EXPOSE LINER EDGES ON LINED DUCT CONNECTIONS. ALL OPENINGS TO BE CUT ACCURATELY IN SHAPE & SIZE.

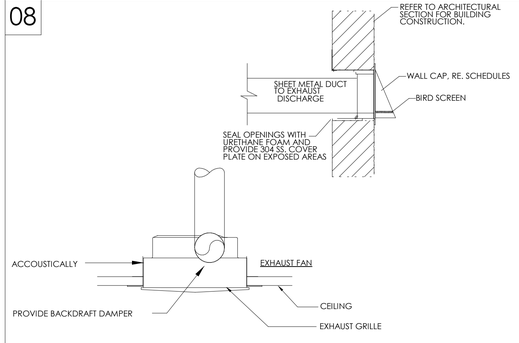
BRANCH CONN. DETAIL
NO SCALE

07



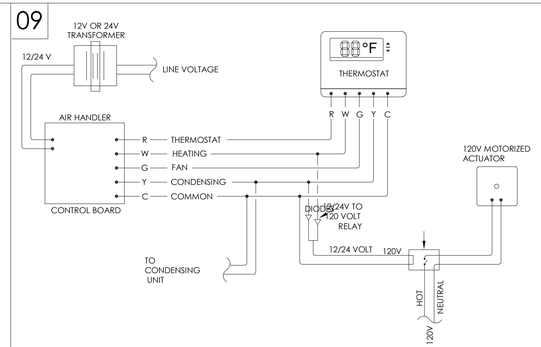
CONDENSATE TRAP DETAIL
NO SCALE

08



CEILING MOUNTED EXHAUST FAN
NO SCALE

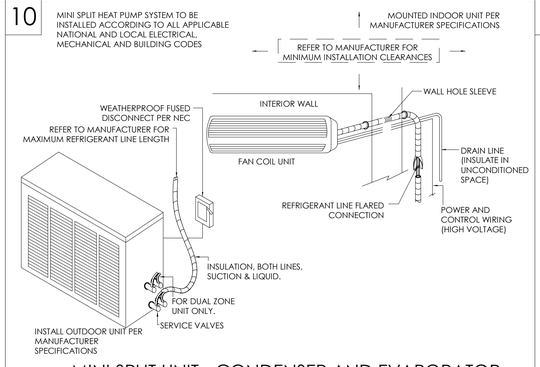
09



OUTSIDE AIR DAMPER WIRING DIAGRAM (120V)
NO SCALE

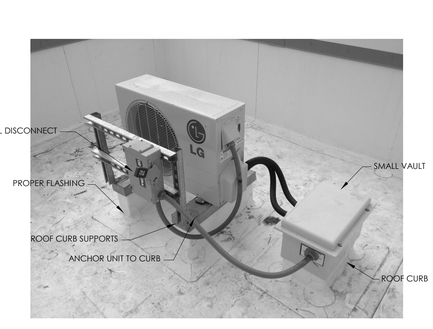
10

MINI SPLIT HEAT PUMP SYSTEM TO BE INSTALLED ACCORDING TO ALL APPLICABLE NATIONAL AND LOCAL ELECTRICAL, MECHANICAL AND BUILDING CODES



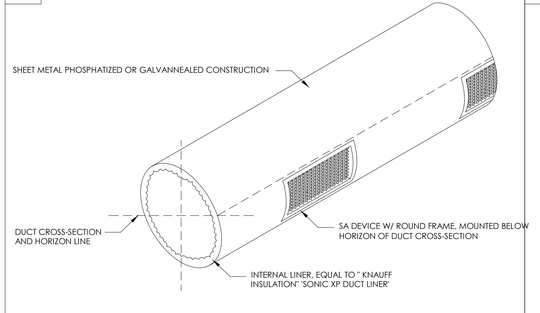
MINI SPLIT UNIT - CONDENSER AND EVAPORATOR
NO SCALE

11



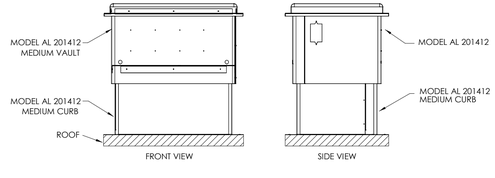
MINI SPLIT CONDENSING UNIT
NO SCALE

12



EXPOSED DUCT DETAIL
NO SCALE

13



MEDIUM ROOF PENETRATION HOUSING
NO SCALE

14

15

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MILNET ARCHITECTURAL SERVICES
AMERICAN INSTITUTE OF ARCHITECTS

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ARCHITECT
03-05-25

TRANSIT TERMINAL INTERIOR BUILD-OUT
EDINBURG ECONOMIC DEVELOPMENT CORPORATION
617 UNIVERSITY DR. EDINBURG, TEXAS 78539

PROJECT NUMBER
224004

DATE
03-05-25

CONSTRUCTION DOCUMENTS

SHEET NUMBER
M4.0

ELECTRICAL LEGEND-LIGHTING

---ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS.
SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.

SYMBOL	DESCRIPTION
	2'x4' LIGHT FIXTURE, REFER TO LUMINAIRE SCHEDULE
	2'X4' LIGHT FIXTURE W/EMERGENCY BATTERY PACK, REFER TO LUMINAIRE SCHEDULE
	2'x2' LIGHT FIXTURE, REFER TO LUMINAIRE SCHEDULE
	2'X2' LIGHT FIXTURE W/EMERGENCY BATTERY PACK, REFER TO LUMINAIRE SCHEDULE
	4' LIGHT FIXTURE, REFER TO LUMINAIRE SCHEDULE
	TRACK LIGHT WITH HEADS AS INDICATED
	INCANDESCENT, LED, FLUORESCENT, OR HID WALL WASHER LIGHT FIXTURE CEILING MTD, REFER TO LUMINAIRE SCHEDULE
	INCANDESCENT, LED, FLUORESCENT, OR HID FIXTURE CLG. OR WALL MTD, REFER TO LUMINAIRE SCHEDULE
	LED, FLUORESCENT, OR HID FIXTURE WITH EMERGENCY BATTERY PACK, CLG. OR WALL MTD, REFER TO LUMINAIRE SCHEDULE
	EXIT LIGHT, CEILING OR WALL MOUNTED - SHADING INDICATING SINGLE OR DOUBLE FACE; DIRECTIONAL ARROWS AS INDICATED REFER TO LUMINAIRE SCHEDULE
	EXIT LIGHT SAME AS ABOVE, EXCEPT WITH AN EMERGENCY UNIT AS A COMBO, REFER TO LUMINAIRE SCHEDULE
	CEILING FAN, REFER TO SCHEDULE
	STRIP UTILITY LIGHT FIXTURE, REFER TO LUMINAIRE SCHEDULE
	STRIP UTILITY STRIP LIGHT WITH EMERGENCY BATTERY PACK, REFER TO LUMINAIRE SCHEDULE
$	WALL SWITCH SPST, 20A,120/277V
$2	DOUBLE POLE TOGGLE SWITCH, 20A/120/277V
$3	3-WAY WALL SWITCH, 20A,120/277V
$4	4-WAY WALL SWITCH, 20A,120/277V
$D	WALL DIMMER SWITCH
$P	WALL SWITCH SPST, 20A,120/277V - PILOT LIGHT SWITCH
$X	WALL SWITCH SPST, 20A,120/277V - KEYED SWITCH, X = 3 OR 4 WAY

ELECTRICAL LEGEND-SPECIAL SYSTEMS

---ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS.
SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.

SYMBOL	DESCRIPTION	
	WALL MOUNTED VOICE/DATA OUTLET. FURNISH AND INSTALL 1.25"C., WITH PULLSTRING AND INSULATED BUSHING, STUBBED ABOVE CEILING. +24" UNLESS OTHERWISE NOTE. BOX TO BE MINIMUM 2 1/8" DEEP.	
	WALL MOUNTED VOICE OUTLET, FURNISH AND INSTALL 1"C , WITH PULLSTRING AND INSULATED BUSHING, STUBBED ABOVE CEILING. +24" UNLESS OTHERWISE NOTE. BOX TO BE MINIMUM 2 1/8" DEEP.	
	WALL MOUNTED DATA OUTLET. FURNISH AND INSTALL 1.25"C , WITH PULLSTRING AND INSULATED BUSHING, STUBBED ABOVE CEILING. +24" UNLESS OTHERWISE NOTE. BOX TO BE MINIMUM 2 1/8" DEEP.	
P	PUBLIC TELEPHONE OUTLET.: J-BOX & 1"C	
TV	TELEVISION/MEDIA OUTLET. CLG. OR WALL MOUNTED - STUB 1" C. ABOVE CEILING FROM OUTLET BOX	
	PUSHBUTTON WALL MOUNTED - J-BOX WITH 3/4"C.	
AV	AUDIO VIDEO DROP, REFER TO DETAIL	
IC	INTERCOM - CALL SWITCH- JBOX WITH 3/4"C	
S	INTERCOM/PAGING CEILING LAY-IN SPEAKER	
	PA EXTERIOR SPEAKER - WALL MTD, J-BOX W/3/4"C	10'-6" AFF
	SECURITY DOOR CONTACT SENSOR - STUB 1/2"C ABOVE CEILING FROM OUTLET BOX	
	SECURITY MOTION DETECTOR SENSOR - STUB 1/2"C ABOVE CEILING FROM OUTLET BOX	
	SECURITY GLASS BREAK SENSOR - STUB 1/2"C ABOVE CEILING FROM OUTLET BOX	
	SECURITY KEY PAD - STUB 3/4"C ABOVE CEILING FROM OUTLET BOX	
SEC	SECURITY PANEL JUNCTION BOX	54"
ACC	ACCESS CONTROL PANEL JUNCTION BOX - BY OTHERS	54"
	CARD READER BOX - STUB 3/4"C ABOVE CEILING LEVEL FROM OUTLET BOX SYSTEM BY OTHERS	----
	MAGNETIC LOCK BOX - STUB 3/4"C ABOVE CEILING LEVEL FROM OUTLET BOX SYSTEM BY OTHERS	----
	INTRUSION EXTERIOR SPEAKER - JBOX WITH 3/4"C	10'-6" AFF
C	SINGLE SIDED CLOCK, DIGITAL CLOCK- J-BOX W/3/4"C	96" AFF MIN.
C	DOUBLE SIDED CLOCK,DIGITAL CLOCK -J-BOX W/3/4"C	96" AFF MIN.
	INTERIOR CAMERA J-BOX W/ 1" CONDUIT TO SERVER RM.	----
WP	EXTERIOR CAMERA J-BOX W/ 1" CONDUIT TO SERVER RM.	----
	360° CLG. MTD. CAMERA - J-BOX WITH 1"C TO SERVER RM.	----
	TELEPHONE BOARD- 3/4"X8'x8' FIRE RATED	----
WAP	WIRELESS ACCESS POINT, J-BOX W/ 1" CONDUIT TO SERVER RM.	----

ELECTRICAL LEGEND-FIRE ALARM

---ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS.
SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.

SYMBOL	DESCRIPTION
F	FIRE ALARM PULL STATION: STUB 3/4"C ABOVE CEILING FROM J-BOX
AV	FIRE ALARM AUDIBLE/VISUAL SIGNAL: STUB 3/4"C ABOVE CEILING FROM J-BOX
V	FIRE ALARM VISUAL SIGNAL: STUB 3/4"C ABOVE CEILING FROM J-BOX
VS	FIRE ALARM CEILING MOUNT SPEAKER STROBE, UL LISTED, : J-BOX WITH 3/4"C
VS	FIRE ALARM CEILING WALL MOUNT OUTDOOR SPEAKER STROBE, UL LISTED, : J-BOX WITH 3/4"C
VS	FIRE ALARM CEILING WALL MOUNT INDOOR SPEAKER STROBE, UL LISTED, : J-BOX WITH 3/4"C
S	FIRE ALARM SMOKE DETECTOR CEILING OR WALL MOUNTED: STUB 3/4"C ABOVE CEILING FROM J-BOX
H	HEAT DETECTOR CEILING OR WALL MOUNTED: STUB 3/4"C ABOVE CEILING FROM J-BOX
S	DUCT SMOKE DETECTOR: STUB 3/4"C ABOVE CEILING FROM J-BOX
SD	SMOKE DETECTOR WITH AN AUDIBLE BASE: STUB 3/4"C ABOVE CEILING FROM J-BOX
FACP	FIRE ALARM CONTROL PANEL WITH EMERGENCY VOICE SYSTEM, ADDRESSABLE, FLUSH MTD UNO, INCLUDE A FIRE DOCUMENT BOX EQUAL TO MFR. SPACE AGE ELECTRONICS #FDB-ACE-11.
EVES	FIRE ALARM EMERGENCY VOICE EVACUATION SYSTEM, FLUSH OR SURFACE.
FAAP	FIRE ALARM REMOTE ANNUNCIATOR PANEL, FLUSH MOUNTED UNO
PAD-X	POWER SUPPLY, DEDICATED 110V IN MECH/ELEC RM.
DH	DOOR HOLDER DEVICE: STUB 3/4"C ABOVE CEILING FROM J-BOX
TS	TAMPER SWITCH: STUB 3/4"C ABOVE CEILING FROM J-BOX
FS	FLOW SWITCH: STUB 3/4"C ABOVE CEILING FROM J-BOX
F	FIRE ALARM OUTDOOR SPEAKER, WEATHER PROOF: STUB 3/4"C ABOVE CEILING FROM J-BOX

ELECTRICAL LEGEND-GENERAL

---ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS.
SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.

SYMBOL	DESCRIPTION
J	HEAVY DUTY DISCONNECT SWITCH FUSED
J	HEAVY DUTY DISCONNECT SWITCH NONFUSED
J	HEAVY DUTY COMBINATION DISCONNECT/MOTOR STARTER
	HEAVY DUTY MOTOR STARTER
	ENCLOSED BREAKER, RE; TO SCH. FOR MORE INFO.
R J	ROTARY TYPE DISCONNECT SWITCH
M	120/277-208/480V,20AMP. MOTOR RATED SWITCH, NEMA-1(INTERIOR) ENCLOSURE, NEMA-3R(EXTERIOR) ENCLOSURE. VOLTAGE TO BE SELECTED PER EQUIPMENT CIRCUIT REQUIREMENTS.
	MOTOR
	PANELBOARD, CLEARANCE AS PER LATEST NEC
	SWITCH LEG
	ELECTRICAL CONDUIT
	UNDERGROUND ELECTRICAL CONDUIT
	COMMUNICATION CONDUIT AND WIRING
X, X, X	MULTI-POLE DEVICE CIRCUIT NUMBERS
X/X/X	THREE SINGLE POLE DEVICE CIRCUIT NUMBERS
A-1	CONDUIT AND WIRE HOMERUN TO PANEL. SHORT HATCH INDICATES NEUTRAL CONDUCTOR, LONG HATCHES INDICATE PHASE CONDUCTORS, AND LONG HATCH WITH CIRCLE INDICATES ISOLATES OR INSULATED GROUND. ALPHANUMERIC DESCRIPTION INDICATES PANEL AND BREAKER.
A-1	UNDERGROUND CONDUIT AND WIRE HOMERUN TO PANEL. SHORT HATCH INDICATES NEUTRAL CONDUCTOR, LONG HATCHES INDICATE PHASE CONDUCTORS, AND LONG HATCH WITH CIRCLE INDICATES ISOLATED OR INSULATED GROUND. ALPHANUMERIC DESCRIPTION INDICATES PANEL AND BREAKER.
	DETAIL NUMBER
	SHEET NUMBER
	THERMOSTAT WALL MOUNTED - STUB 1/2"C ABOVE CEILING FROM OUTLET BOX. COORDINATE EXACT LOCATION AND HEIGHT WITH MECHANCIAL DIVISION.
J	JUNCTION BOX - SIZE & MOUNTING AS REQUIRED MINIMUM OF 4" SQUARE
PC	PHOTO CELL(MFR.INTERMATIC #K4136M)
C	LIGHTING CONTACTOR, NEMA-1, W/H.O.A. SWITCH
TC	TIME CLOCK (MFR.TORK#7202Z)
CP-1	CIRCULATING PUMP
	ELECTRICAL DEVICE AS SHOWN ON PLANS SURFACE MOUNT RACEWAY . SURFACE MOUNT RACEWAY SHALL BE WIREMOLD #V700 SERIES. PROVIDE ALL RELATED #V700 SERIES ACCESSORIES FOR AN OPERABLE SYSTEM.

ELECTRICAL ABBREVIATIONS:

ABBV:	DESCRIPTION	ABBV:	DESCRIPTION
AFF	ABOVE FINISHED FLOOR	MFR. (S.C.)	MANUFACTURER SHARE CIRCUIT
BFC	BELOW FINISHED CEILING	QRCPT(S)	QUAD RECEPTACLE(S)
C	CONDUIT	RCPT(S)	DUPLEX RECEPTACLE(S)
CB	CIRCUIT BREAKER	CRCPT(S)	I.G. RECEPTACLE(S)
EC	EMPTY CONDUIT	QCRCPT(S)	QUAD I.G. RECEPTACLE(S)
EX	EXISTING	PNL	PANEL
F	FUSE	SO (S.O.)	SPACE ONLY
G	GROUND (EQUIPMENT)	SP	SPARE
GFI	GROUND FAULT INTERRUPTER	ST (S.T.)	SHUNT TRIP
MTD	MOUNT OR MOUNTED	SW	SWITCH
NF	NONFUSED	UF	UNDERFLOOR
NIC	NOT IN CONTRACT	UG	UNDERGROUND
H.D	HEAVY DUTY	UNO(U.N.O.)	UNLESS NOTED OTHERWISE
NL	NIGHT LIGHT	WG	WIRE GUARD
AC	ABOVE COUNTER	WP	WEATHERPROOF
HT.	HEIGHT	XFMR	TRANSFORMER
MTD.	MOUNTING	MB	MAIN BREAKER
FDR.	FEEDER	MLO	MAIN LUGS ONLY
CKT.	CIRCUIT	RMC	RIGID METAL CONDUIT
LTG.	LIGHTING	RNC	RIGID NONMETALLIC CONDUIT
LC	LIGHTING CONTACTOR	EMT	ELECTRICAL METALLIC TUBING CONDUIT
IG	ISOLATED GROUND	S/N	SOLID NEUTRAL
EA.	EACH	AC	ABOVE COUNTER
N1	NEMA-1	AHJ	AHUTHORITY HAVING JURISDICTION
N3R	NEMA-3R	T	TAMPER PROOF
N4X	NEMA-4X		
SS	STAINLESS STEEL		

NOTES:

1.) 48" AFF INDICATES TO TOP OF DEVICE;
15" AFF INDICATES TO BOTTOM OF DEVICE;
ALL OTHER MOUNTING HEIGHTS REFER TO CENTERLINE OF DEVICE.
AC INDICATES 6" ABOVE COUNTER TO BOTTOM OF DEVICE.

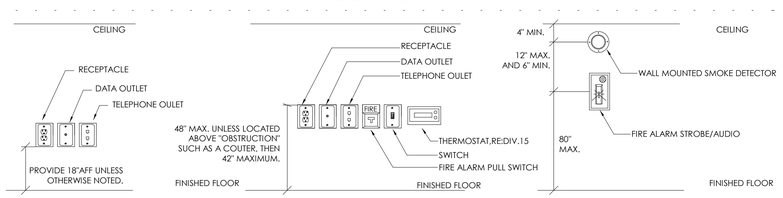
ELECTRICAL LEGEND - WIRING DEVICES

---ALL SYMBOLS SHOWN MAY NOT APPEAR IN ALL DRAWINGS.
SYMBOLS ARE SHOWN SCHEMATIC AND MAY NOT BE TO SCALE.

	SINGLE RECEPTACLE - 20A/125V/2P/3W/G NEMA 5-20R
	DUPLEX RECEPTACLE - 20A/125V/2P/3W/G NEMA 5-20R
T / T	DUPLEX RECEPTACLE TAMPER RESISTANT - 20A/125V/2P/3W/G NEMA 5-20R
H / H	HOSPITAL GRADE DUPLEX RECEPTACLE/GFI - 20A/125V/2P/3W/G NEMA 5-20R
	DUPLEX RCPT. GFI - 20A/125V/2P/3W/G NEMA 5-20R
WP/ "IN-USE"	DUPLEX RCPT.,WEATHER RESISTANT "WR", GFI INSTALLED IN A "IN-USE" WEATHER PROOF STEEL ENCLOSURE- 20A/125V/2P/3W/G NEMA 5-20R WP/"IN-USE" SHALL BE EQUAL TO MFR. CARLON, METALLIC SERIES SINGLE GANG, VERTICAL MOUNT #ME9UVMG DOUBLE GANG, VERTICAL MOUNT #ME9U2VMG
	QUADRAPLEX RECEPTACLE
	ISOLATED GROUND QUADPLEX RECEPTACLE
	ISOLATED GROUND DUPLEX RECEPTACLE - 20A/125V NEMA 5-20R
	208V RECEPTACLE, VERIFY NEMA NO. WITH EQUIPMENT SUPPLIER
	SPECIAL PURPOSE RECEPTACLE (NEMA NO. AS INDICATED)
HD	J-BOX - AIR HAND DRYER; (RECESSED HAND DRYERS TO BE PROVIDED BY DIVISION 16, ELECTRICAL) 120V MODEL #SLIMDRI AS MANUFACTURER BY WORLD DRYER. (COLOR WHITE) QUANTITY: REFER TO DRAWINGS (MIN. ONE PER LAV. COMPLETE W/ ELE. CONNECTIONS TYP.)
	4-GANG FLOOR MOUNTED BOX, 2-DUPLEX RECEPTACLE(INCLUDE RECEPTACLE WITH COVER PLATE)/2-GANG FOR DATA - FLUSH MOUNTED UNO FLOOR BOX = MFR.-HUBBELL MODEL#:CFB4G30RCR-CFBS1R6CVRNKL(COVER)-(2)FBMPDUP-FBMP6KS -CFBHUB2(MULTISERVICE STEEL RECESSED FLOOR BOX-VERIFY FLOOR FINISH PRIOR TO ORDER SAME BOX FOR DATA OUTLETS.
6G	6-GANG FLOOR MOUNTED BOX, 2-DUPLEX RECEPTACLE(INCLUDE RECEPTACLE WITH COVER PLATE)/2-GANG FOR DATA - FLUSH MOUNTED UNO FLOOR BOX = MFR.-HUBBELL MODEL#:CFB6G30CR-CFBS1R8CVRALU(COVER)-(3)FBMPDUP-FBMP6KS -CFBHUB2(MULTISERVICE STEEL RECESSED FLOOR BOX-VERIFY FLOOR FINISH PRIOR TO ORDER SAME BOX FOR DATA OUTLETS.
6P	6" FIRE RATED POKE-TRHOUGHS BOX, 2-DUPLEX RECEPTACLE(INCLUDE RECEPTACLE WITH COVER PLATE)- MFR.-HUBBELL MODEL#:S1R6PTFIT-S1R6SPE-S1R6SPL-S1R6SPH(50/50 DEVICE PLATE COMBINATION)-S1R6CVRALU(COVER) -VERIFY FLOOR FINISH PRIOR TO ORDER SAME BOX FOR DATA OUTLETS.
6JP	6" FIRE RATED POKE-TRHOUGHS BOX, FURNITURE FEED.- MFR.-HUBBELL MODEL#:S1R6PTFFALU(ALUMINUM COVER) -VERIFY FLOOR FINISH PRIOR TO ORDER.
8P	8" FIRE RATED POKE-TRHOUGHS BOX, 2-DUPLEX RECEPTACLE(INCLUDE RECEPTACLE WITH COVER PLATE)- MFR.-HUBBELL MODEL#:S1R8PTFIT3-S1R8CSPK-S1R8CSPK-S1R8PSP2(50/50 DEVICE PLATE COMBINATION)-S1R8CVRALU(COVER) -VERIFY FLOOR FINISH PRIOR TO ORDER SAME BOX FOR DATA OUTLETS.

MOUNTING HEIGHT DETAIL

NOTE: VERIFY WITH ARCHITECTURAL FOR **ADA REQUIREMENTS.**



GENERAL ELECTRICAL NOTES

1. ALL SYMBOLS AND ABBREVIATIONS SHOWN ON THIS LEGEND MAY NOT APPEAR ON THIS SET OF DRAWINGS.
2. USE DIRECTIONAL ARROW ON EXIT SIGNS AS REQUIRED.
3. IEEE STANDARD C37.2-1991, ELECTRICAL POWER SYSTEM DEVICE FUNCTION NUMBERS.
4. CONTRACTOR SHALL NOT INSTALL MORE THAN THREE CURRENT CARRYING CONDUCTORS IN A COMMON RACEWAY. IF CONTRACTOR IS PLANNING ON GROUPING MULTIPLE CIRCUITS IN A SINGLE RACEWAY, THE CONITRCATOR MUST SUBMIT ALL DERATING CALCULATIONS FOR THE PROPOSED INSTALLATION IN ACCORDANCE WITH NEC ARTICLE 310.15 (B) (2) FOR APPROVAL PRIOR TO INSTALLATION. NON APPROVED INSTALLATIONS WILL BE REMOVED AND REINSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE NEC AT NO ADDITIONAL COST TO THE OWNER.
5. THERE SHALL NOT BE MORE THAN THE EQUIVALENT OF THREE 90° BENDS (270 DEGREES TOTAL) BETWEEN PULL POINTS. WHERE THERE ARE MORE THAN THREE QUARTER BENDS, CONTRACTOR SHALL PROVIDE PULL BOXES AS SPECIFIED AND SIZED IN ACCORDANCE WITH NEC.
6. COMPLY WITH NEC REQUIREMENTS FOR ELECTRICAL INSTALLATIONS. ALL ELECTRICAL EQUIPMENT AND MATERIAL TO BE APPROVED, LISTED, LABELED, IDENTIFIED AND INSTALLED PER RECOGNIZED ELECTRICAL TESTING LABORATORY.
7. ALL RECEPTACLES, SWITCHES AND JUNCTION BOXES SERVED BY EMERGENCY BRANCH CIRCUITS SHALL BE "RED" IN COLOR. COVERPLATES SHALL BE LABELED IN ACCORDANCE WITH SPECIFICATIONS TO INDICATE PANELBOARD AND CIRCUIT NO. (IE: ET*LA-3).

APPLICABLE BUILDING CODE

2018 International Building Code
2018 International Plumbing Electrical Code
2018 International Mechanical Code
2018 International Energy Conservation Code
2018 International Existing Building Code
2017 National Electrical Code of the National Fire Protection Association
2018 International Fire Code
2012 Texas Accessibility Standards

ELECTRICAL: LIGHTING FUNCTIONAL TESTING / COMMISSIONING PLAN:

CONTRACTOR SHALL PERFORM THE TASK BELOW TO COMMISSION THE LIGHTING CONTROL SYSTEM. CONTRACTOR SHALL SUBMIT A DOCUMENTATION DETAILING THE LIGHTING CONTROL SYSTEM, SETTING/CONDITION. ACTIONS PERFORMED AND FINAL SETTING CONDITION. SUBMIT DOCUMENTATION AT OR BEFORE SUBSTANTIAL COMPLETION TO FACILITATE OBTAINING THE CERTIFICATE OF OCCUPANCY.

A. ENSURE ALL LIGHTING FIXTURES FIXTURES HAVE LAMPS INSTALLED AND ARE FUNCTIONAL.
B. TEST ALL EXIT SIGNS, EMERGENCY LIGHTING FIXTURES, AND EMERGENCY BALLASTS FURNISHED INTEGRAL TO FIXTURES.
C. ENSURE ALL OCCUPANCY SENSORS HAVE BEEN INSTALLED AND ARE OPERATIONAL.
D. VERIFY ALL WALLBOX AND SCENE CONTROLLERS ARE INSTALLED AND OPERATIONAL.
E. TEST EACH INDIVIDUAL DEVICE FOR OCCUPANCY SENSOR TYPES OS1, OS2 AND TEST THE LIGHTING CONTROL RELAY PANEL SYSTEM.
F. TEST 10% OF ALL THE DEVICES FOR OCCUPANCY SENSOR TYPE: WSX-PDT-SA.
G. VERIFY THE FOLLOWING:
1. ALL SENSORS ARE LOCATED AND AIMED PER THE MANUFACTURER'S RECOMMENDATIONS.
2. STATUS INDICATORS ON DEVICES ARE OPERATIONAL AND CORRECT.
3. DEVICES CONTROL LIGHTING FIXTURES AS INDICATED ON DRAWINGS.
4. TIME DELAYS HAVE BEEN SET AS PER CODE AND PER OWNERS DIRECTIONS.
5. MOVEMENT IN ADJACENT AREAS AND/ CYCLING OF HVAC SYSTEMS DOES NOT FALSE TRIGGER SENSORS.
6. PHOTOCELL LOCATION AND AIMED PER MANUFACTURERS RECOMMENDATIONS.
7. PROGRAM INTERIOR RELAYS WITH A TIME FUNCTION ACCEPTABLE TO OWNER.
8. PROGRAM INTERIOR OVERRIDE SWITCH WITH A TIME FUNCTIONAL ACCEPTABLE BY OWNER.

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617 UNIVERSITY DR. EDINBURG, TEXAS 78539

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EG01

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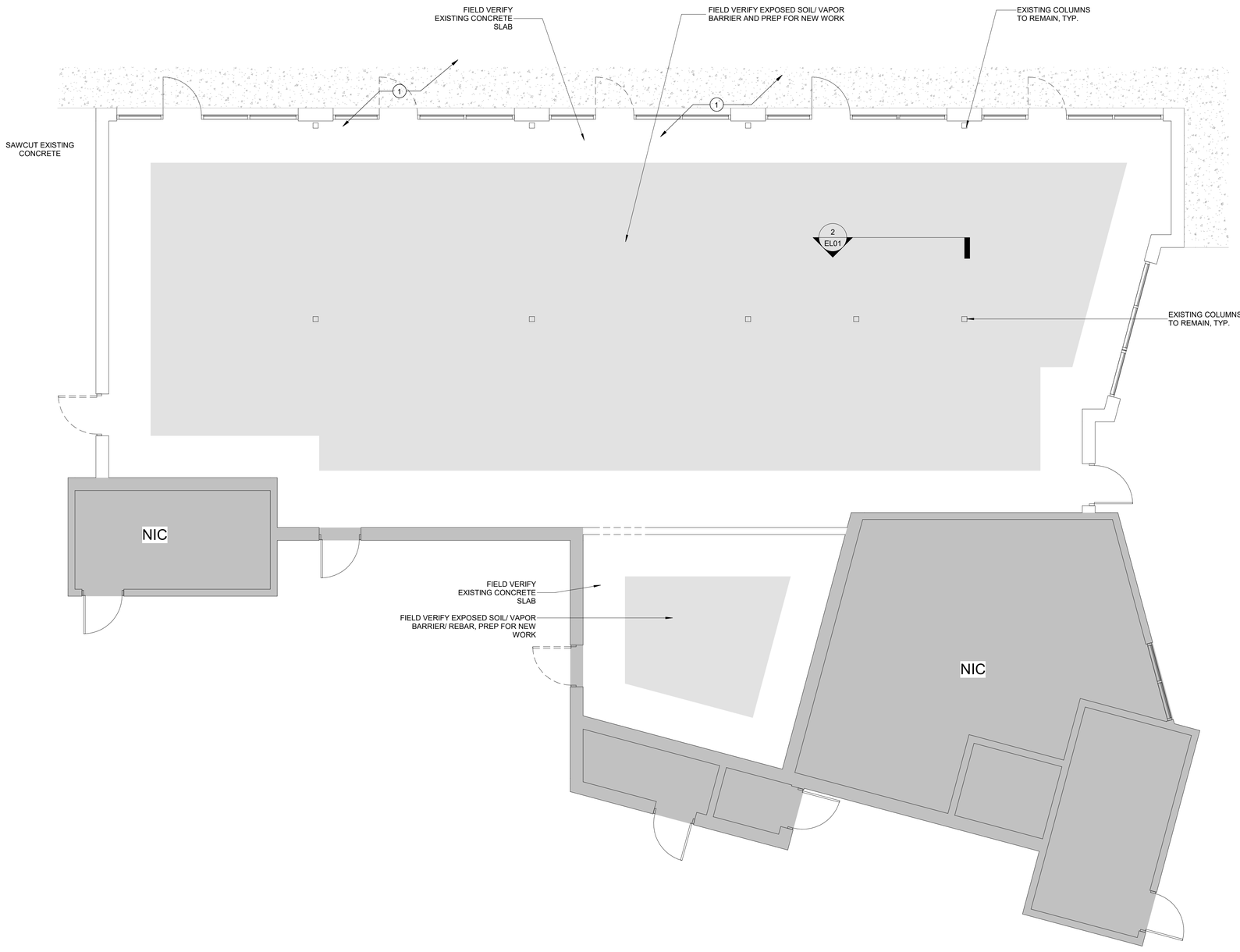

1 ELECTRICAL POWER FLOOR PLAN - DEMOLITION FLOOR PLAN
3/16" = 1'-0"

GENERAL ELECTRICAL - DEMOLITION NOTES

A. THE EXTENT OF DEMOLITION WORK IS INDICATED ON THE ARCHITECTURAL DRAWINGS AND BY THE REQUIREMENTS OF THIS SECTION. A VISIT TO THE SITE WILL BE REQUIRED TO PROPERLY BID THE DEMOLITION WORK.

B. PROVIDE ALL DEMOLITION WORK REQUIRED FOR THE REMOVAL AND/OR RELOCATION OF ELECTRICAL EQUIPMENT AND ASSOCIATED CONDUCTORS, CONDUIT, BOXES, ETC. TO PROVIDE A COMPLETE AND OPERABLE SYSTEM UPON COMPLETION OF THE PROJECT.

C. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW THE ARCHITECTURAL DOCUMENTS IN ADDITION TO THE DIVISION 15 AND 16 DOCUMENTS TO DETERMINE THE COMPLETE SCOPE OF WORK.

D. WHERE DEVICES OR EQUIPMENT ARE INDICATED OR REQUIRED TO BE REMOVED, THE ASSOCIATED BOXES, CONDUIT, AND CONDUCTORS SHALL BE REMOVED BACK TO THEIR SOURCE.

E. WHERE DEVICES OR EQUIPMENT ARE INDICATED OR REQUIRED TO BE RELOCATED, THE ASSOCIATED BOXES, CONDUIT, AND CONDUCTORS SHALL BE REMOVED BACK TO A CONCEALED JUNCTION BOX AND NEW PRODUCTS SHALL BE USED TO EXTEND THE SERVICE TO THE NEW LOCATION.

F. WHERE CONDUITS RUN ABOVE INACCESSIBLE CEILINGS OR IN WALLS WHICH ARE NOT PART OF DEMOLITION ARE TO REMAIN UNDISTURBED, CONDUCTORS SHALL BE REMOVED AND THE CONDUITS CAPPED AND ABANDONED.

G. WHERE THE REMOVAL OF DEVICES OR EQUIPMENT RENDERS EQUIPMENT DOWNSTREAM INOPERABLE, SERVICE SHALL BE EXTENDED TO THE DOWNSTREAM DEVICE OR EQUIPMENT SO THAT THE DEVICE OR EQUIPMENT IS LEFT IN OPERATING CONDITION.

H. COORDINATE DEMOLITION OF DIVISION 16 SYSTEMS AS REQUIRED WITH ALL OTHER TRADES.

I. ALL EXISTING ELECTRICAL EQUIPMENT, CONDUIT AND WIRING REMOVED DURING CONSTRUCTION NO LONGER REQUIRED AS PART OF AN ACTIVE SYSTEM AND NOT TO BE REUSED SHALL BE REMOVED FROM THE JOB SITE AND PROPERLY RETURNED TO THE OWNER, IF DESIRED BY OWNER.

J. WHERE EXISTING EQUIPMENT IS TO BE RELOCATED, EXTREME CARE SHALL BE TAKEN TO PREVENT DAMAGE DURING THE REMOVAL AND REINSTALLATION. WHERE DAMAGE OCCURS, THE EQUIPMENT SHALL BE REPLACED OR REPAIRED TO THE SATISFACTION AND APPROVAL OF THE ARCHITECT AT NO ADDITIONAL COST TO THE OWNER.

K. EXISTING DEVICES AND/OR EQUIPMENT TO BE REUSED SHALL BE CLEANED AND REPAIRED AT THE DISCRETION OF THE ARCHITECT WHERE APPLICABLE.

L. ALL DEVICES WITH AN "EX" SYMBOL ARE EXISTING TO REMAIN.

M. ALL DEVICES ATTACHED TO WALLS OR CEILINGS SHALL BE REMOVED PER DEMOLITION NOTE A - L WHETHER SHOWN ON DRAWINGS OR NOT.

ELECTRICAL KEYNOTES	
1	EXISTING LIGHTS TO BE REMOVED. REFER TO REMODEL PLAN.

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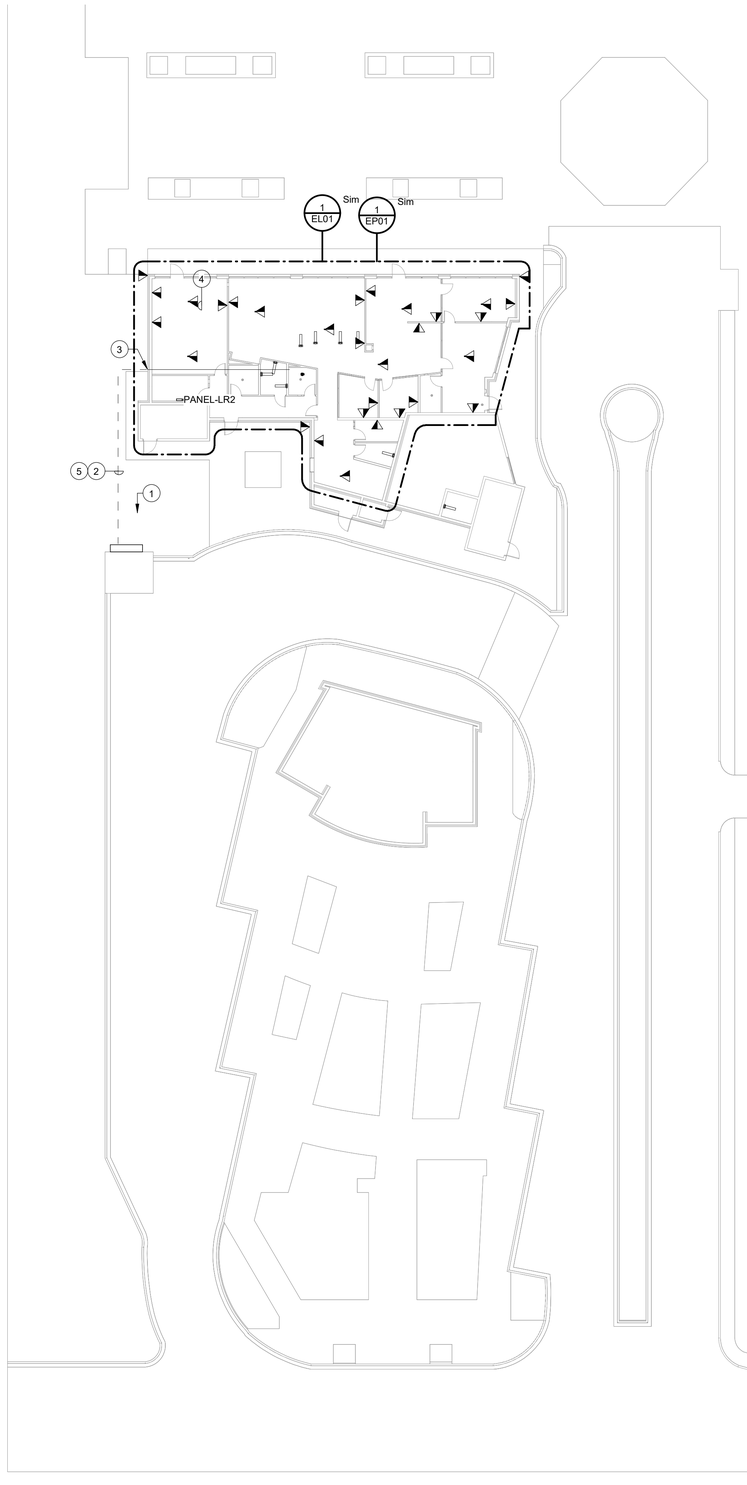

1 ELECTRICAL SITE PLAN
1" = 20'-0"

GENERAL NOTES - ELECTRICAL SITE

A. CONTRACTOR TO VERIFY ALL EXISTING MAIN POWER SERVICES AND COORDINATE WITH POWER COMPANY FOR ALL NEW REQUIREMENTS AND ALL COST ASSOCIATED. CONTRACTOR SHALL INCLUDE ANY COST FOR THE NEW TRANSFORMER AND OTHER ASSOCIATED FEES IN BID. CONTRACTOR IS RESPONSIBLE TO VERIFY ALL FEES WITH POWER COMPANY AND TO INCLUDE IN BID. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH POWER COMPANY AS SOON THE CONTRACT IS AWARDED TO ORDER TRANSFORMER AND THE RELATED ELECTRICAL SERVICE EQUIPMENT AS SOON AS POSSIBLE.

B. CONTRACTOR IS RESPONSIBLE FOR ALL EXCAVATION, TRENCHING AND BACKFILLING. COORDINATE WITH ALL UTILITIES PRIOR TO EXCAVATION.

C. CONTRACTOR TO VERIFY ALL EXISTING MAIN TELEPHONE SERVICES AND COORDINATE WITH TELEPHONE COMPANY FOR ALL REQUIREMENTS AND ALL COST ASSOCIATED. INCLUDE ALL COST IN BID. CONDUIT FROM MAIN TELEPHONE RISER SHALL BE FURNISHED AND INSTALLED BY ELECTRICAL CONTRACTOR.

D. ALL ELECTRICAL EQUIPMENT OUTDOORS SHALL BE RATED TYPE NEMA 3R UNLESS OTHERWISE NOTED.

E. CONTRACTOR SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES. ALL WORK SHALL CONFORM TO NATIONAL ELECTRICAL CODES AND ALL OTHER AUTHORITY HAVING JURISDICTION. OBTAIN PERMITS AND PAY ALL FEES. PERFORM MODIFICATIONS TO MEET CODE AND ORDINANCE REQUIREMENTS AT NO ADDITIONAL COST TO OWNER, ARCHITECT OR ENGINEER. VERIFY PRIOR TO BID DATE.

F. VERIFY AT JOB SITE THE EXACT LOCATIONS OF STRUCTURAL MEMBERS SUCH AS BEAMS, COLUMNS, ETC. TO LOCATE EQUIPMENT CONDUIT, PANELS AND DEVICES. IF DEVIATIONS FROM THE DRAWING ARE NECESSARY TO MEET STRUCTURAL CONDITIONS MAKE DEVIATIONS WITHOUT ADDITIONAL COST, TO OWNER, ARCHITECT, OR ENGINEER.

G. IN COOPERATION WITH OTHER CONTRACTORS, DETERMINE THE EXACT LOCATION OF EQUIPMENT AND DEVICES AND CONNECTIONS THERETO BY REFERENCE TO THE SUBMITTALS AND ROUGH-IN DRAWINGS, AND BY MEASUREMENTS AT THE SITE. REFER TO ALL OTHER TRADES SUBMITTAL FOR ELECTRICAL INFORMATION.

H. GROUND ENTIRE ELECTRICAL SYSTEM IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.

I. VERIFY AT JOB SITE GENERAL WORK TO BE DONE AS SPECIFIED, AS NOTED, OR AS REQUIRED FOR INSTALLATION ELECTRICAL SYSTEMS PRIOR TO SUBMISSION OF BIDS.

J. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND EQUIPMENT TO BE REMOVED AND REPLACED BEFORE SUBMITTING HIS BID.

K. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND SMALL SCALE ONLY. THEY CONVEY THE INTENT OF THE WORK BUT DO NOT SHOW DETAIL SUCH AS JUNCTION AND PULL BOXES REQUIRED BY THE SPECIFICATIONS AND THE NATIONAL ELECTRICAL CODE(NEC). PROVIDE ALL MATERIALS AND METHODS CALLED FOR IN THE SPECIFICATIONS AND AS REQUIRED IN THE NEC TO PROVIDE A COMPLETE INSTALLATION OF ALL WORK.

L. ALL WIRING SHALL BE COPPER.

M. ALL SLEEVES, PENETRATIONS, ETC. SHALL BE SEALED SOLID NON-SHRINKING MATERIAL IMMEDIATELY UPON FILLING OF THE OPENING WITH PIPE OR CONDUIT.

N. ARRANGE FOR SOURCES OF TEMPORARY CONSTRUCTION SERVICES. SUCH SERVICES SHALL BE NOMINALLY 120/240V, 1-PHASE, 3-WIRE FROM WHICH A COMPLETE SYSTEM OF TEMPORARY POWER AND LIGHTING SHALL BE PROVIDED FOR ALL CONSTRUCTION NEEDS.

ELECTRICAL KEYNOTES

1	EXISTING ELECTRICAL SERVICE EQUIPMENT LOCATION. FIELD VERIFY EXACT LOCATION PRIOR TO ANY WORK. REFER TO ELECTRICAL SCHEMATIC DIAGRAM.
2	NEW UNDERGROUND CONDUIT. COORDINATE EXACT ROUTING PRIOR TO ANY WORK.
3	STUB UP CONDUIT AT 24"AFF ALONG THE EXISTING WALL. PROVIDE J-BOX AND CORE DRILL INTO THE BUILDING. SEAL CONDUIT OPENING WITH WEATHER PROOF FIRE RATED SEALANT.
4	FIELD VERIFY CONDUIT ROUTING. SUPPORT CONDUIT FROM EXISTING STRUCTURAL.
5	CONTRACTOR IS RESPONSIBLE TO FIELD IDENTIFY AND COORDINATE WITH ANY EXISTING UNDERGROUND UTILITIES PRIOR TO ANY WORK.

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ESP01

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GENERAL NOTES- LIGHTING

A. ALL EXIT FIXTURES/EMERGENCY BATTERY PACK LIGHT FIXTURE SHALL BE CONNECTED TO UNSWITCHED OR NON-DIMMING HOT LEG OF SAME VOLTAGE/PHASE OF LOCAL LIGHTING CIRCUIT IN SPACE.
A.ALL EXIT FIXTURES/EMERGENCY BATTERY PACK LIGHT FIXTURE SHALL BE CONNECTED TO UNSWITCHED OR NON-DIMMING HOT LEG OF SAME VOLTAGE/PHASE OF LOCAL LIGHTING CIRCUIT IN SPACE.

B. VERIFY CEILING TYPES AND COORDINATE WITH FIXTURE TYPE LIGHT FIXTURE SHALL BE COMPATIBLE WITH CEILING TYPE AS INDICATED ON THE ARCHITECTURAL DOCUMENTS. NOTIFY ENGINEER IF DISCREPANCIES EXIST PRIOR TO ORDERING FIXTURES.

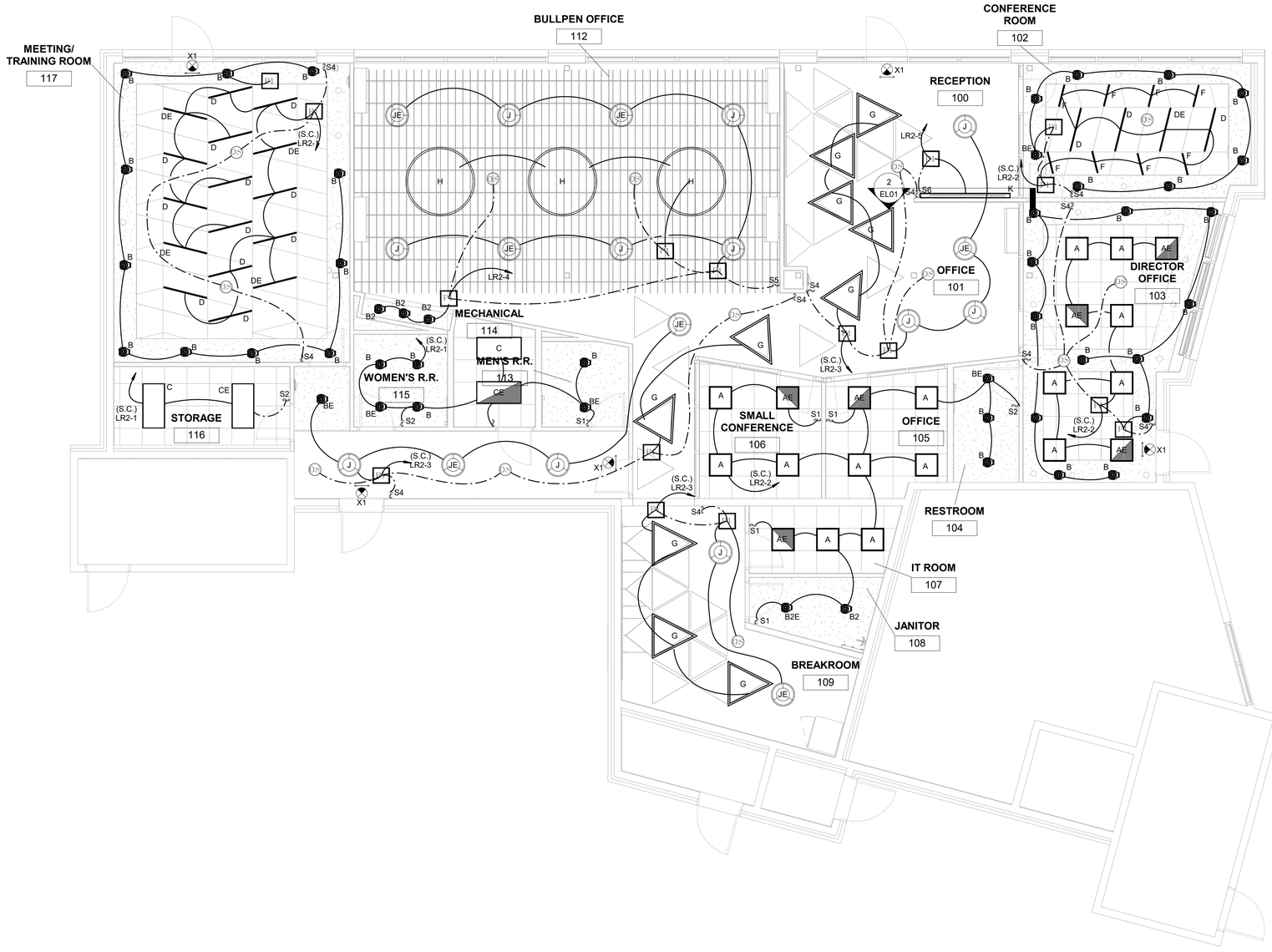
C. COORDINATE EXACT ROUTING OF ALL CONDUIT ABOVE CEILING IN BUILDING. TYPICAL FOR ALL BUILDING EXTERIOR LIGHTING.

D. COORDINATE LOCATION OF LIGHTS WITH DIFFUSERS AND GRILLES.

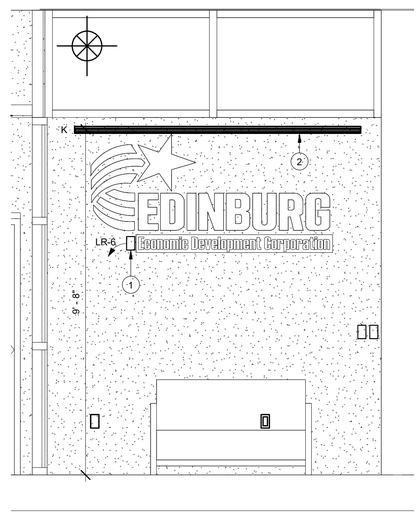
E. SWITCH LEGS ARE NOT SHOWN WHERE SWITCHING SCHEME IS OBVIOUS.

F. ALL EXIT FIXTURES TYPE-"X1 & X2", EMERGENCY LIGHT FIXTURE TYPE-"E" AND ALL EMERGENCY BALLAST SHALL BE ON CIRCUIT "DPEL-38", FIXTURE TYPE LABEL WITH AN "_E" ARE LIGHT FIXTURES WITH EMERGENCY BALLAST. REFER TO LIGHT FIXTURE SCHEDULE.

ELECTRICAL KEYNOTES	
1	PROVIDE J-BOX FOR SIGNAGE. COORDINATE EXACT LOCATION AND REQUIREMENTS PRIOR TO ANY WORK.
2	PROPOSED LOCATION FOR WALL WASH ARM MOUNTED FIXTURE. COORDINATE EXACT LOCATION AND HEIGHT PRIOR TO ANY WORK.



1 ELECTRICAL LIGHTING PLAN - FIRST FLOOR
3/16" = 1'-0"



2 Section 5
1/2" = 1'-0"

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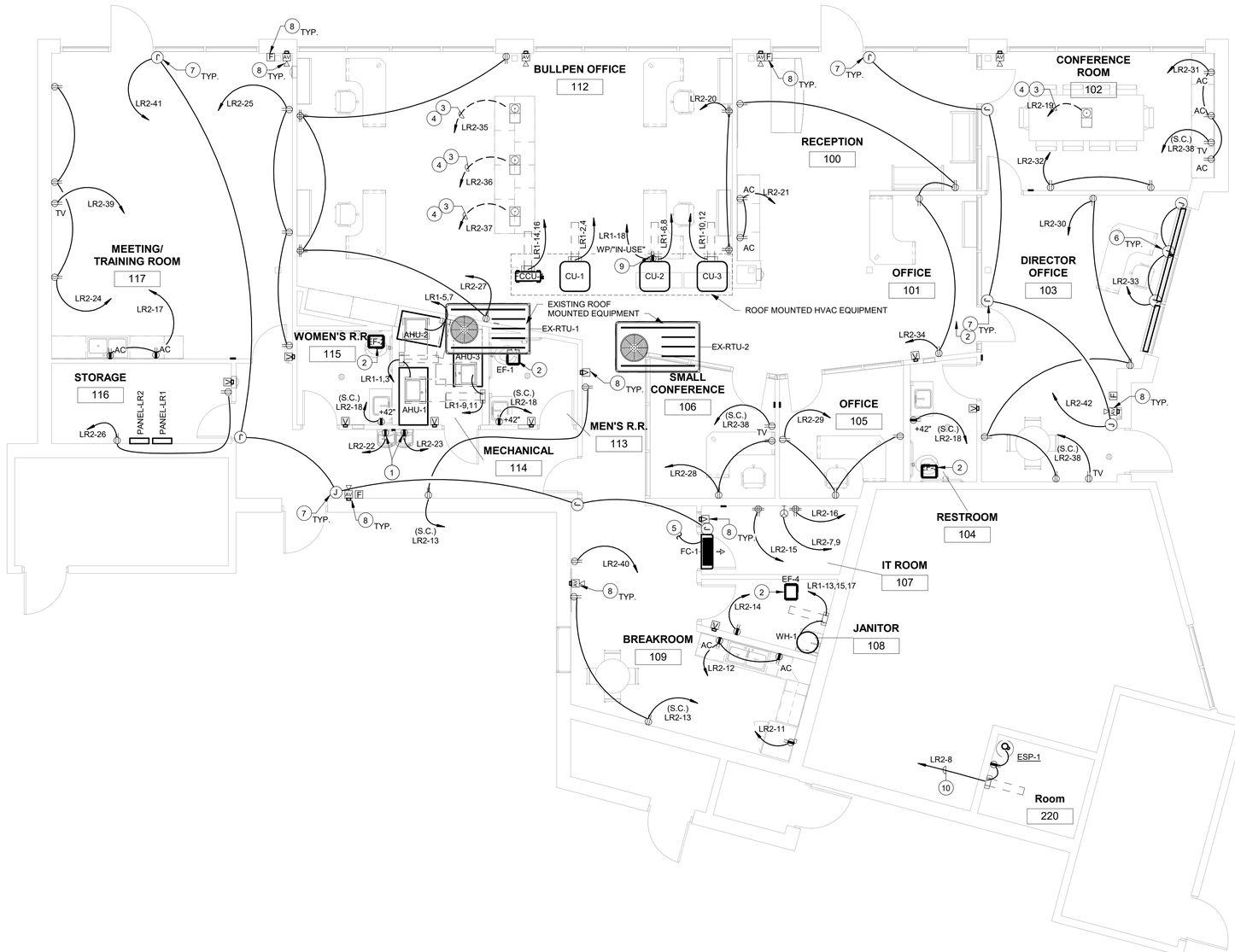

1 ELECTRICAL POWER FLOOR PLAN - FIRST FLOOR
3/16" = 1'-0"

GENERAL NOTES- POWER

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL POWER SOURCE WIRING IN ACCORDANCE WITH ARCHITECTURAL MILLWORK.
B. ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTION TO H.V.A.C. EQUIPMENT, PLUMBING EQUIPMENT, REFER TO PANEL SCHEDULE FOR WIRE SIZE.
C. ELECTRICAL CONTRACTOR SHALL PROVIDE STARTERS, RELAYS, CONTACTORS AND THE REQUIRED ELECTRICAL ACCESSORIES FOR MECHANICAL SYSTEM AS REQUIRED.
D. COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT IN ACCORDANCE W/MECHANICAL DRAWINGS TO MEET ELECTRICAL AND MECHANICAL REQUIRED CLEARANCE BY THE LATEST CODE.
E. COORDINATE EXACT LOCATION OF ISOLATED OUTLETS FOR COMPUTERS WITH OWNER.
F. ELECTRICAL CONTRACTOR SHALL PROVIDE J-BOX AND CONDUIT FOR H.V.A.C. CONTROLS AND THERMOSTATS. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR.
G. NEMA RATED OUTLETS, REFER TO BREAKER SIZE AND COORDINATE WITH EQUIPMENT REQUIREMENTS PRIOR TO BID.

ELECTRICAL KEYNOTES

1	COORDINATE EXACT LOCATION WITH PLUMBER TO CONCEAL CORD BEHIND ELECTRIC DRINKING FOUNTAIN PRIOR TO ANY ROUGH-IN.
2	TIE INTO ROOMS LIGHTING CIRCUIT AND INTERLOCK FAN WITH ROOMS LIGHTS. WIRING SHALL BE 2#12, 1#12G, 1/2"C.
3	ROUTE THROUGH NEAREST FULL WALL. ALL CONDUIT MUST BE CONCEALED. COORDINATE WITH CONTRACTOR PRIOR TO COMMENCING ANY WORK.
4	SAW CUT AND PATCH EXISTING CONCRETE TO MATCH EXISTING CONDITIONS. FIELD VERIFY EXISTING CONDITIONS AND EXACT LOCATION PRIOR TO COMMENCING ANY WORK.
5	INTERLOCK FCCU WITH FC H.V.A.C. EQUIPMENT. WIRING SHALL BE 3#10, 1#10G, 3/4"C.
6	PROVIDE J-BOX FOR SHADE SYSTEM MOTORS. COORDINATE EXACT LOCATION AND HEIGHT PRIOR TO ANY WORK.
7	J-BOX FOR DOOR ACCESS CONTROLS. COORDINATE EXACT LOCATION AND ELECTRICAL REQUIREMENTS WITH OWNER AND EQUIPMENT SUPPLIER PRIOR TO COMMENCING ANY WORK.
8	TIE INTO EXISTING FIRE ALARM SYSTEM.
9	GFI DUPLEX RECEPTACLE LOCATED ON ROOF. PROVIDE ROOF PITCH PAN FOR CONDUIT. PROVIDE WP/"IN-USE" ENCLOSURE FOR RECEPTACLE.
10	NEW CONDUIT SHALL BE CONCEALED ABOVE CEILING. FIELD COORDINATE WITH EXISTING CONDITIONS.

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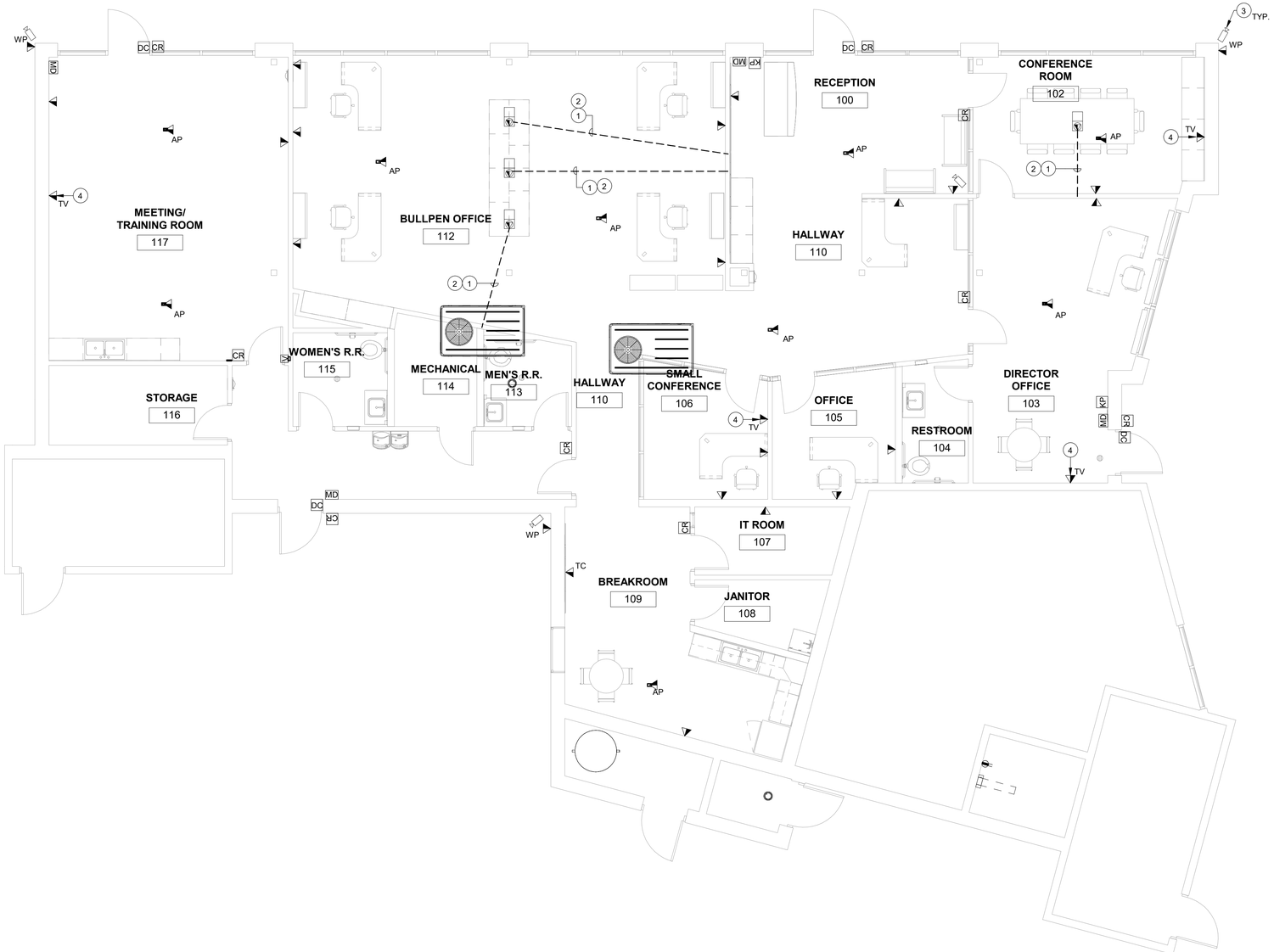

1 ELECTRICAL SPECIAL SYSTEMS FLOOR PLAN - FIRST FLOOR
3/16" = 1'-0"

GENERAL NOTES - SPECIAL SYSTEMS

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL POWER SOURCE WIRING IN ACCORDANCE WITH ARCHITECTURAL MILLWORK.
B. PROVIDE CLEAR VANDAL COVER WITH STOPPER II OPTION FOR ALL FIRE ALARM PULL STATIONS.
C. EQUIPMENT AS FURNISHED OF A SINGLE MANUFACTURER.
D. COORDINATE EXACT LOCATION OF ALL MECHANICAL EQUIPMENT IN ACCORDANCE MECHANICAL DRAWINGS.
E. ALL CONDITS SHALL REAMED AND COMPLETE WITH CONNECTORS AND INSULATED BUSHINGS AT BOTH ENDS.
F. ALL DEVICES SHOWN ON DRAWINGS ARE SYMBOLIC ONLY. THE ENTIRE FIRE ALARM SYSTEM, SHALL BE IN FULL COMPLIANCE AND MEET ALL CODES AND EQUIREMENTS OF THE LOCAL ADMINISTRATIVE AUTHORITY. ANY MODIFICATIONS REQUIRED TO PROVIDE COMPLIANCE SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER OR ARCHITECT/ ENGINEER.
G. FIRE ALARM LICENSE HOLDER SHALL ASSUME ALL RESPONSIBILITY FOR DESIGN AND SUBMIT DRAWGINGS TO JURISDICTION HAVING AUTHORITY AND ABIDE BY ALL OTHER REQUIREMENTS PER NFPA.
H. ALL SPECIAL SYSTEM CONDUITS SHALL BE STUBBED UP ABOVE THE CEILING LEVEL. IF CABLE TRAY IS PRESENT, STUBBED CONDUITS TO CABLE TRAY.

ELECTRICAL KEYNOTES

1	PROVIDE 1.5" CONDUIT FOR DATA, STUB UP IN WALL TO ABOVE CEILING LEVEL.
2	SAW CUT AND PATCH EXISTING CONCRETE TO MATCH EXISTING CONDITIONS. FIELD VERIFY EXISTING CONDITIONS AND EXACT LOCATION PRIOR TO COMMENCING ANY WORK.
3	CAMERA PROVIDED BY OWNER. PROVIDE BOXES AND CONDUIT AS REQUIRED COORDINATE EXACT LOCATION AND REQUIREMENTS PRIOR TO ANY WORK.
4	COORDINATE FINAL LOCATION/HEIGHT WITH OWNER/ARCHITECT PRIOR TO ANY WORK.

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Texas Registered Engineering Firm - F10362
Project number: 24.3.3

MILNET
ARCHITECTURAL
SERVICES
AMERICAN INSTITUTE OF ARCHITECTS

LEONEL MUNOZ
03-05-25

TRANSIT TERMINAL INTERIOR BUILD-OUT
EDINBURG ECONOMIC DEVELOPMENT CORPORATION
617 UNIVERSITY DR. EDINBURG, TEXAS 78539

PROJECT NUMBER
224004

DATE
03-05-25

CONSTRUCTION DOCUMENTS

REVISIONS

No.	Description	Date

SHEET NUMBER
EP02

208/120V, 3-PHASE, 4W ELECTRICAL LOAD ANALYSIS	
DESIGN CONNECTED LOAD	
DESCRIPTION	TOTAL KVA
LIGHTING	4
GENERAL POWER	13.8
A/C	43.4
WATER HEATER	3
TOTAL KVA:	64
TOTAL AMPS:	179
TOTAL AMPS+25%:	223
WIRE SIZE AMPS:	225

GENERAL NOTES:

A. PROVIDE GROUND /BONDING AS INDICATED ON THE NATIONAL ELECTRICAL CODE.

B. NAME PLATES SHALL BE PROVIDED FOR ALL ELECTRICAL SWITCH GEAR, PANEL BOARDS, LIGHTING CONTACTORS, LIGHTING CONTROL PANELS, ETC., BY ELECTRICAL CONTRACTOR.

C. NEW ELECTRICAL METERING AND SERVICE EQUIPMENT SHALL BE PROVIDED AND INSTALLED ACCORDING TO THE LOCAL POWER UTILITY CO. AND CITY REQUIREMENTS. VERIFY AND COORDINATE WITH POWER UTILITY CO. AND AHJ BEFORE BID AND INSTALLATION.

D. COMPLY WITH NFPA 70E SAFETY REQUIREMENTS.

E. PANELBOARDS WITH MORE THAN 42 CIRCUITS SHALL BE IN ONE CABINET ENCLOSURE, UNLESS OTHERWISE NOTED.

F. PROVIDE 4"CONCRETE PAD FOR ALL DRY-TYPE TRANSFORMERS.

G. ALL TWO SECTION PANELBOARDS SHALL BE FEED THRU LUGS.

H. CONTRACTOR SHALL BE RESPONSIBLE FOR DELIVERY OF ELECTRICAL SERVICE TO THE NEW BUILDING WITHIN PROJECT SCHEDULE. COORDINATE ALL COST FOR LABOR AND MATERIALS WITH LOCAL ELECTRICAL UTILITY COMPANY PRIOR TO BID. ALL COST ASSOCIATED WITH THE DELIVERY OF ELECTRICAL SERVICE INCLUDING ALL MATERIALS SHALL BE INCLUDED IN BID. TRANSITION OF NEW ELECTRICAL SERVICE SHALL PROCEED IN WEEKENDS OR HOLIDAYS, INCLUDE ALL COST IN BID FOR OVERTIME FROM ELECTRIC UTILITY COMPANY. NO ADDITIONAL PAYMENT WILL BE MADE FOR SERVICE DELIVERY COSTS AFTER CONTRACT HAS BEEN AWARDED.

I. ELECTRICAL SERVICE 480/277V 1000AMPS OR MORE SHALL INCLUDE GROUND FAULT PROTECTION.

J. ELECTRICAL SERVICE 120V THRU 480V 1000AMPS OR MORE SHALL INCLUDE AN ARC REDUCTION MAINTENANCE SWITCH. COORDINATE EXACT LOCATION OF SUCH SWITCH.

K. PROVIDE TRENCHING AND BACKFILLING FOR ALL UNDERGROUND CONDUITS FOR REGULAR NON-ASPHALT/CONCRETE SURFACE.

L. PROVIDE SAWCUT AND PATCHING FOR ALL UNDERGROUND CONDUITS FOR REGULAR ASPHALT OR CONCRETE SURFACE. INCLUDE ALL COST TO PATCH SURFACE TO MATCH EXISTING FINISH.

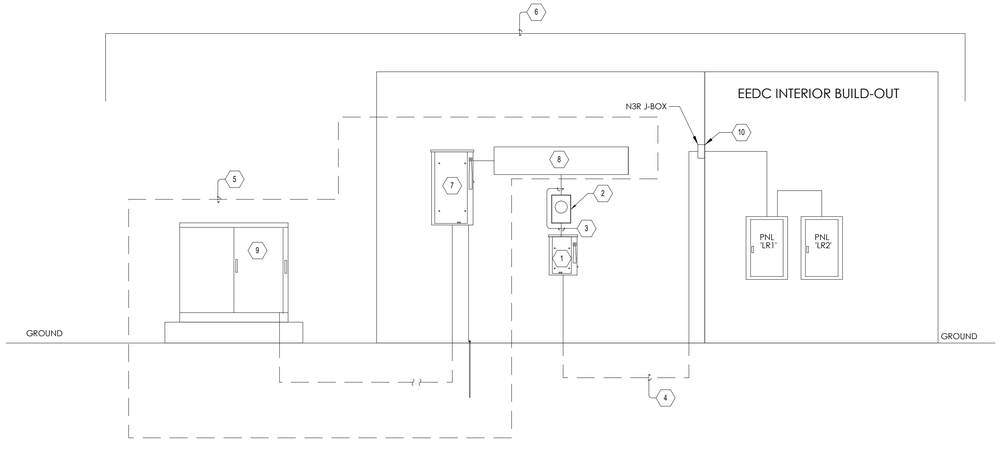
M. THE CONTRACTOR SHALL FURNISH SHORT-CIRCUIT AND PROTECTION DEVICE COORDINATE STUDIES WHICH SHALL BE PREPARED BY THE EQUIPMENT GEAR MANUFACTURER.

N. THE CONTRACTOR SHALL FURNISH AN ARC FLASH HAZARD ANALYSIS STUDY PER NFPA 70E-STANDARD FOR ELECTRICAL SAFETY IN THE WORKPLACE, REFERENCE ARTICLE 130.3 AND ANEEX D.

O. CONTRACTOR SHALL INCLUDE ALL COST TO PROVIDE SHORT CIRCUIT AND PROTECTIVE DEVICE. THE SHORT-CURCUIT AND PROTECTIVE DEVICE COORDINATE STUDIES SHALL BE SUBMITTED TO THE DESIGN ENGINEER PRIOR TO RECEIVING FINAL APPROVAL OF THE DISTRIBUTION EQUIPMENT SHOP DRAWINGS AND/OR PRIOR TO RELEASE OF EQUIPMENT DRAWINGS FOR MANUFACTURING. APPROVAL FROM THE ENGINEER MAY BE OBTAINED FOR PRELIMINARILY SUBMITTAL OF SUFFICIENT STUDY DATA TO ENSURE THAT THE SELECTION OF DEVICE AND CHARACTERISTICS WILL BE SATISFACTORY.

ELECTRICAL RISER DIAGRAM KEYED NOTES:

1. EXISTING 200AMPS, 208V, 3-PHASE, 4W, S/N, N3R, HEAVY DUTY FUSED SERVICE ENTRANCE DISCONNECT. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY WORK.
2. EXISTING ELECTRICAL SERVICE METER 120/208V, 3-PHASE, 4W. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY WORK.
3. PROVIDE 1-RUN 4#4/0, 3"C.
4. PROVIDE NEW 1-RUN OF 4#4/0, 1#4G, 3"C. COORDINATE ALL ROUTING OF NEW CONDUIT. FIELD VERIFY EXISTING CONDITIONS.
5. ELECTRICAL CONTRACTOR TO FIELD VERIFY EXISTING DEDICATED ELECTRICAL INFRASTRUCTURE FOR DESIGNATED SPACES.
6. ELECTRICAL CONTRACTOR SHALL VERIFY ALL EQUIPMENT IS INSTALLED PER NEC REQUIREMENTS.
7. EXISTING 800A, 208V, 3-PHASE, 4W MAIN DISCONNECT. FIELD VERIFY EXISTING LOCATIONS AND EXISTING CONDITIONS PRIOR TO ANY WORK.
8. EXISTING NEMA-3R WIREWAY. FIELD VERIFY EXISTING LOCATION AND EXISTING CONDITIONS PRIOR TO ANY WORK.
9. EXISTING 208V/120V, 3-PHASE UTILITY TRANSFORMER. FIELD VERIFY EXISTING LOCATION AND EXISTING CONDITIONS PRIOR TO ANY WORK.
10. PENETRATE EXISTING WALL AND ROUTE CONDUIT TO PANEL. SEAL ALL PENETRATIONS. FIELD VERIFY EXISTING CONDITIONS PRIOR TO ANY WORK.



1 ELECTRICAL SCHEMATIC DIAGRAM

SCALE: NTS

MILNET ARCHITECTURAL SERVICES

AMERICAN INSTITUTE OF ARCHITECTS

STATE OF TEXAS
LEONARDO MUNOZ
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SHEET NUMBER
ER01

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Light Fixture Schedule

Tag	Lamp	Voltage	Mounting	Description	Manufacturer	Model
A	LED (3200LM) (26W)	120V	LAY-IN	2'X2' LED LAY-IN FIXTURE, UL LISTED.	LITHONIA LIGHTING	CPX 2X2 ALO7 80CRI SWW7 SWL MVOLT(MED LUMEN)
AE	LED (3200LM) (26W)	120V	LAY-IN	2'X2' LED LAY-IN FIXTURE, UL LISTED WITH EMERGENCY BATTERY BACKUP.	LITHONIA LIGHTING	SAME AS TYPE 'A' WITH EMERGENCY BATTERY BACKUP
B	LED (750LM)(9W)	120V	<varies>	6" LED OPEN DOWN-LUMINAIRE,UL LISTED WITH DIMMING DRIVER.	LITHONIA LIGHTING	LDN6 40/07 L06AR LSS
B2	LED (1500LM)(18W)	120V	RECESSED	6" LED OPEN DOWN-LUMINAIRE,UL LISTED WITH DIMMING DRIVER.	LITHONIA LIGHTING	LDN6 40/15 L06AR LSS
B2E	LED (1500LM)(18W)	120V	RECESSED	6" LED OPEN DOWN-LUMINAIRE,UL LISTED WITH DIMMING DRIVER AND EMERGENCY BATTERY BACKUP.	LITHONIA LIGHTING	SAME AS TYPE 'B' WITH EMERGENCY BATTERY BACKUP.
BE	LED (750LM)(9W)	120V	<varies>	6" LED OPEN DOWN-LUMINAIRE,UL LISTED WITH DIMMING DRIVER AND EMERGENCY BATTERY BACKUP.	LITHONIA LIGHTING	SAME AS TYPE 'B2' WITH EMERGENCY BATTERY BACKUP.
C	LED (4300LM) (35W)	120V	<varies>	2X4' LED TROFFER FIXTURE, UL LISTED, LENS, HIGH EFFICIENCY 0-10V DRIVER	LITHONIA LIGHTING	CPX 2X2 ALO8 80CRI SWW7 SWL MVOLT(MED LUMEN)
CE	LED (4300LM) (35W)	120V	<varies>	2X4' LED TROFFER FIXTURE, UL LISTED, LENS, HIGH EFFICIENCY 0-10V DRIVER	LITHONIA LIGHTING	SAME AS TYPE 'C' WITH EMERGENCY BATTERY BACKUP
D	LED (2600LM)(30W)	120V	SURFACE	4' LED LINEAR CEILING SYSTEM LIGHT FIXTURE, UL LISTED. PROVIDE ALL NECESSARY MATERIALS FOR A PROPER INSTALLATION.	JLC-TECH	TBFL-MN-HO-41-15-B-A-W-UNV
DE	LED (2600LM)(30W)	120V	SURFACE	4' LED LINEAR CEILING SYSTEM LIGHT FIXTURE, UL LISTED. PROVIDE ALL NECESSARY MATERIALS FOR A PROPER INSTALLATION.	JLC-TECH	SAME AS TYPE 'D' WITH EMERGENCY BATTERY BACKUP
F	LED (1300LM)(21W)	120V	SURFACE	2' LED LINEAR CEILING SYSTEM LIGHT FIXTURE, UL LISTED. PROVIDE ALL NECESSARY MATERIALS FOR A PROPER INSTALLATION.	JLC-TECH	TBFL-MN-HO-16-15-B-A-W-UNV
G	LED (6000LM) (90W)	120V	RECESSED	4' LED TRIANGLE FIXTURE, UL LISTED. PROVIDE ALL NECESSARY MATERIALS FOR A PROPER INSTALLATION.	AXIS LIGHTING	SCDPAT-T4-OPR(60,3)-500-80-40-FL-NL-XX-120 -DP-1-CT9
H	LED (10000LM) (110W)	120V	PENDANT	8' LED ROUND FIXTURE, UL LISTED. PROVIDE ALL NECESSARY MATERIALS FOR A PROPER INSTALLATION.	STARTEK LIGHTING	NHOOPD-6-5500-SD-40K-__-__
J	LED (2000LM)(20W)	120V	PENDANT	2' LED ROUND FIXTURE, UL LISTED. PROVIDE ALL NECESSARY MATERIALS FOR A PROPER INSTALLATION.	STARTEK LIGHTING	HALOD-2-2000-SD-40K-80-XX-PM-PCW-U
JE	LED (2000LM)(20W)	120V	PENDANT	2' LED ROUND FIXTURE, UL LISTED. PROVIDE ALL NECESSARY MATERIALS FOR A PROPER INSTALLATION.	STARTEK LIGHTING	SAME AS TYPE 'J' WITH EMERGENCY BATTERY BACKUP.
K	LED (1544LM) (20W)	120V	SURFACE	8' LED WALL WASH FIXTURE, UL LISTED. PROVIDE ALL NECESSARY MATERIALS FOR A PROPER INSTALLATION.	FINELITE	HP-2-AM-WW-D-8'-B-840-K--96LG-120-SC-FC-10 %-AM12-XX
X1	LED	120V	SURFACE	LED THERMOPLASTIC EXIT/EMERGENCY UNIT WITH SELF-DIAGNOSTICS	LITHONIA LIGHTING	LHQM LED _ R SD

GENERAL NOTES:
1.) EQUAL MANUFACTURER SHALL BE ACCEPTABLE WITH EQUAL PERFORMANCE OF SPECIFIED EQUIPMENT AND APPROVED BY ENGINEER.
2.) SUBMIT EQUAL MANUFACTURERS TO ENGINEER 10 DAYS PRIOR TO BID DATE.
3.) SUBMIT LIGHT FIXTURES CUTSHEETS TO OWNER FOR APPROVAL PRIOR TO ORDER.
4.) CONTRACTOR SHALL VERIFY THAT ANY IRRIGATION SPRINKLER HEAD IS AWAY FROM ANY LIGHT POLE A MINIMUM OF 75' TO AVOID CONSISTENT WATER TO LIGHT POLE. COORDINATE WITH IRRIGATION CONTRACTOR PRIOR TO ANY WORK.
5.) ANCHOR BOLTS SHALL BE OF NON-CORROSIVE MATERIAL (STAINLESS STEEL).

LIGHTING CONTROL SENSORS LEGEND

SYMBOL	ACUITY MODEL NUMBER	CONDUIT	COMMENTS
OS	NCM-PDT-10	3/4"C	PROVIDE POWER PACK POSITIONED AS DIRECTED BY MANUFACTURER. REFER TO PLANS FOR TYPE OF POWER PACK. REFER TO PLANS AND SCHEDULES FOR SWITCHING TYPES.
P1	nPP16D	3/4"C	POWER PACK, 120,240,277, VAC, 16AMPS/POLE, 0-10VDC DIMMING, PLENUM RATED, RELAY CONTACT PROTECTION, RJ-45 PORT
P2	PP20 2P	3/4"C	POWER PACK, 120,240,277, VAC, 20AMPS/POLE, PLENUM RATED, RELAY CONTACT PROTECTION, RJ-45 PORT, CONTROLS TWO CIRCUITS
S1	WSXAMWO-PDT-D-VA-WH	3/4"C	3-WAY APPLICAITONS WTIH DIMMING, WITH VACANCY OFFICE USE
S2	WSXAMWO-PDT-WH	3/4"C	3-WAY APPLICAITONS NO DIMMING, AUTOMATIC ON RESTROOMS USE
S3	nPODM-_-_-_WH	3/4"C	WALL MOUNT SWITCH WITH ON/OFF WITH STAINLESS STEEL PLATE
S4	nPODM-2P-DX-_WH	3/4"C	WALL MOUNT SWITCH WITH ON/OFF WITH RAISE /LOWER FUNCTION AND WITH STAINLESS STEEL PLATE
S5	nPODM-4P-DX-_WH	3/4"C	WALL MOUNT SWITCH WITH ON/OFF WITH RAISE /LOWER FUNCTION AND WITH STAINLESS STEEL PLATE
S6	nPODM-_-DX-_WH	3/4"C	WALL MOUNT SWITCH WITH ON/OFF WITH RAISE /LOWER FUNCTION AND WITH STAINLESS STEEL PLATE
S7	SPODMA-_-2P-_-WH	3/4"C	2-POLE WALL MOUNT SWITCH WITH ON/OFF FUNCTION AND WITH STAINLESS STEEL PLATE

GENERAL NOTES:
A. CONTRACTOR SHALL REFER TO MANUFACTURERS INSTRUCTIONS AND WIRING DIAGRAMS PRIOR TO BID DATE.
B. CONTRACTOR SHALL INCLUDE ALL COST IN BID FOR AN OPERABLE LIGHTING SYSTEM.
NOTES:

1. All sensor locations are approximate, refer to manufacturers installation instructions prior to installation.
2. Ultrasonic ceiling mount sensors should be located a minimum of six feet from HVAC supply/return vents.
3. Contractor is responsible for: proper sensitivity & time delay settings (for non-adaptive products) recommended placement, and field verification of circuits with in respect to power placement.
4. Contractor is responsible for field verification of required number of power packs:
   - One power pack is required for each circuit to be controlled.
   - One power pack is required for every three sensors in the zone.
   - If multiple circuits are to be controlled by a sensor, an auxiliary relay can be used in conjunction with the power pack.
   - The maximum number of sensors that can be put on a power pack is to be reduced by one for each slave pack used.
5. Sensors mounted over the door must be placed one foot inside the threshold.
6. Contractor is responsible for ensuring that the sensor bill of materials complies with the sensor design and layout specifications.
7. Contractor is responsible for installing equipment in compliance with local code.
8. Refer to manufacturers wiring diagrams.
9. NOTE: Contractor shall include all cost for a manufacturer certified technician to provide a complete training session to owner representatives. Training shall include but not limited to the following: calibrate sensors settings, programming existing conditions and how to add new circuits, trouble shooting, overview of panel and any request from owner. Training may take days; contractor/manufacturer shall include all cost in bid. Contractor shall notify owner/Architect/Engineer on the day for the training. Technician shall calibrate all sensors to owners desire, include cost for technician to provide service after the job is complete.

Electrical Disconnect Schedule

Mark	Description
127	30AMP, 3-PHASE, 4W, N1,208V, S/N, N.F., H.D. ROTARY TYPE DISCONNECT
AHU-1	100AMP, 1-PHASE, 3W, N1, 208V, S/N, N.F., H.D. DISCONNECT
AHU-2	100AMP, 1-PHASE, 3W, N1, 208V, S/N, N.F., H.D. DISCONNECT
AHU-3	60AMP, 1-PHASE, 3W, N1, 208V, S/N, N.F., H.D. DISCONNECT
CU-1	60AMP, 1-PHASE, 3W, N3R,208V, S/N, H.D. FUSED DISCONNECT
CU-2	60AMP, 1-PHASE, 3W, N3R,208V, S/N, H.D. FUSED DISCONNECT
CU-3	30AMP, 1-PHASE, 3W, N3R,208V, S/N, H.D. FUSED DISCONNECT
FCCU-1	30AMP, 1-PHASE, 3W, N3R,208V, S/N, H.D. FUSED DISCONNECT
WH-1	30AMP, 3-PHASE, 4W, N1,208V, S/N, N.F., H.D. ROTARY TYPE DISCONNECT

GENERAL NOTES:
1.) REFER TO BREAKER SIZE FOR FUSE SIZE.
2.) REFER TO PANELBOARD FOR DISCONNECT PHASES AND VOLTAGE.

Branch Panel: PANEL-LR1

Location: STORAGE 116 | **Volts:** 120/208 Wye | **A.I.C. Rating:** 22
Supply From: | **Phases:** 3 | **Mains Type:**
Mounting: Surface | **Wires:** 4 | **Mains Rating:** 225 A
Enclosure: Type 1 | **MCB Rating:** 225 A

CKT	Circuit Description	Trip	Poles	Comments	A		B		C		Comments	Poles	Trip	Circuit Description	CKT
LR1-1	AHU-1	80 A	2		7592 VA	0 VA					3#6, 1#10G,1"C	2	45 A	CU-1	LR1-2
LR1-3	--	--	--	--			7592 VA	0 VA			--	--	--	--	LR1-4
LR1-5	AHU-2	80 A	2						7592 VA	0 VA	3#6, 1#10G,1"C	2	45 A	CU-2	LR1-6
LR1-7	--	--	--	--	7592 VA	0 VA					--	--	--	--	LR1-8
LR1-9	AHU-3	50 A	2	3#6, 1#10G,1"C			4992 VA	0 VA			3#10, 1#10G,3/4"C	2	30 A	CU-3	LR1-10
LR1-11	--	--	--	--					4992 VA	0 VA	--	--	--	--	LR1-12
LR1-13	WH-1	20 A	3	4#12, 1#12G,1/2"C	1000 VA	1560 VA					3#12, 1#12G,1/2"C	2	20 A	FCCU-1	LR1-14
LR1-15	--	--	--				1000 VA	1560 VA			--	--	--	--	LR1-16
LR1-17	--	--	--	--					1000 VA	1400 VA	2#10, 1#10G,3/4"C	1	20 A	Power	LR1-18
LR1-19	Space	--	1		--	--						1	--	Space	LR1-20
LR1-21	Space	--	1				--	--				1	--	Space	LR1-22
LR1-23	Space	--	1						--	--		1	--	Space	LR1-24
LR1-25	Space	--	1		--	--						1	--	Space	LR1-26
LR1-27	Space	--	1				--	--				1	--	Space	LR1-28
LR1-29	Space	--	1						--	--		1	--	Space	LR1-30
LR1-31	PANEL-LR2	100 A	3	4#3, 1#6G,1.5"C	11800 VA	0 VA						1	20 A	Spare	LR1-32
LR1-33	--	--	--	--			12892 VA	0 VA				1	20 A	Spare	LR1-34
LR1-35	--	--	--	--					8660 VA	0 VA		1	20 A	Spare	LR1-36
LR1-37	1 JSPD	30 A	3		0 VA	0 VA						1	20 A	Spare	LR1-38
LR1-39	--	--	--	--			0 VA	0 VA				1	20 A	Spare	LR1-40
LR1-41	--	--	--	--					0 VA	0 VA		1	20 A	Spare	LR1-42
		Total Load:			29544 VA		28036 VA		23644 VA						
		Total Amps:			252 A		239 A		197 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	10896 VA	100.00%	10896 VA		
HVAC	43472 VA	100.00%	43472 VA	Total Conn. Load:	81224 VA
Other	1800 VA	100.00%	1800 VA	Total Est. Demand:	77423 VA
Receptacle	19220 VA	76.01%	14610 VA	Total Conn.:	225 A
Power	2600 VA	100.00%	2600 VA	Total Est. Demand:	215 A
Lighting	3236 VA	125.00%	4045 VA		

Notes:
1.) SURGE PROTECTION DEVICE, 120KA INTEGRAL DEVICE WITH SEPARATE DISCONNECT MEANS.

Branch Panel: PANEL-LR2

Location: STORAGE 116 | **Volts:** 120/208 Wye | **A.I.C. Rating:**
Supply From: PANEL-LR1 | **Phases:** 3 | **Mains Type:**
Mounting: Surface | **Wires:** 4 | **Mains Rating:** 100 A
Enclosure: Type 1 | **MCB Rating:** 100 A

CKT	Circuit Description	Trip	Poles	Comments	A		B		C		Comments	Poles	Trip	Circuit Description	CKT
LR2-1	Lighting	20 A	1	2#12, 1#12G,1/2"C	649 VA	615 VA					2#12, 1#12G,1/2"C	1	20 A	Lighting	LR2-2
LR2-3	Lighting	20 A	1	2#10, 1#10G,3/4"C			1099 VA	673 VA			2#12, 1#12G,1/2"C	1	20 A	Lighting	LR2-4
LR2-5	Lighting	20 A	1	2#12, 1#12G,1/2"C					0 VA	200 VA	2#12, 1#12G,1/2"C	1	20 A	Signage	LR2-6
LR2-7	Equipment	20 A	2	3#10, 1#10G,3/4"C	3120 VA	1836 VA						1	25 A	SUMP PUMP	LR2-8
LR2-9	--	--	--	--			3120 VA	--			--	1	--	Space	LR2-10
LR2-11	Receptacle	20 A	1	2#10, 1#10G,3/4"C					1200 VA	360 VA	2#12, 1#12G,1/2"C	1	20 A	Receptacle	LR2-12
LR2-13	Receptacle	20 A	1	2#12, 1#12G,1/2"C	800 VA	180 VA					2#12, 1#12G,1/2"C	1	20 A	Receptacle	LR2-14
LR2-15	Receptacle	20 A	1	2#12, 1#12G,1/2"C			1200 VA	1200 VA			2#12, 1#12G,1/2"C	1	20 A	Receptacle	LR2-16
LR2-17	Receptacle	20 A	1	2#12, 1#12G,1/2"C					360 VA	540 VA	2#12, 1#12G,1/2"C	1	20 A	Receptacle	LR2-18
LR2-19	Receptacle	20 A	1	2#12, 1#12G,1/2"C	800 VA	400 VA					2#12, 1#12G,1/2"C	1	20 A	Receptacle	LR2-20
LR2-21	Receptacle	20 A	1	2#12, 1#12G,1/2"C			400 VA	600 VA			2#12, 1#12G,1/2"C	1	20 A	Receptacle	LR2-22
LR2-23	Receptacle	20 A	1	2#12, 1#12G,1/2"C					600 VA	600 VA	2#12, 1#12G,1/2"C	1	20 A	Receptacle	LR2-24
LR2-25	Receptacle	20 A	1	2#12, 1#12G,1/2"C	600 VA	400 VA					2#12, 1#12G,1/2"C	1	20 A	Receptacle	LR2-26
LR2-27	Receptacle	20 A	1	2#12, 1#12G,1/2"C			800 VA	400 VA			2#12, 1#12G,1/2"C	1	20 A	Receptacle	LR2-28
LR2-29	Receptacle	20 A	1	2#12, 1#12G,1/2"C					600 VA	800 VA	2#12, 1#12G,1/2"C	1	20 A	Receptacle	LR2-30
LR2-31	Receptacle	20 A	1	2#12, 1#12G,1/2"C	600 VA	400 VA					2#12, 1#12G,1/2"C	1	20 A	Receptacle	LR2-32
LR2-33	Shade System	20 A	1	2#10, 1#10G,3/4"C			1200 VA	800 VA			2#12, 1#12G,1/2"C	1	20 A	Receptacle	LR2-34
LR2-35	FLOOR BOX	20 A	1	2#12, 1#12G,1/2"C					800 VA	800 VA	2#12, 1#12G,1/2"C	1	20 A	FLOOR BOX	LR2-36
LR2-37	FLOOR BOX	20 A	1	2#12, 1#12G,1/2"C	800 VA	600 VA					2#12, 1#12G,1/2"C	1	20 A	Receptacle	LR2-38
LR2-39	Receptacle	20 A	1	2#12, 1#12G,1/2"C			200 VA	1200 VA			2#12, 1#12G,1/2"C	1	20 A	Receptacle	LR2-40
LR2-41	J-BOX ACCESS DOOR	20 A	1	2#12, 1#12G,1/2"C					1000 VA	800 VA	2#12, 1#12G,1/2"C	1	20 A	J-BOX ACCESS DOOR	LR2-42
		Total Load:			11800 VA		12892 VA		8660 VA						
		Total Amps:			102 A		111 A		72 A						

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Equipment	7896 VA	100.00%	7896 VA		
Other	1800 VA	100.00%	1800 VA	Total Conn. Load:	33352 VA
Receptacle	19220 VA	76.01%	14610 VA	Total Est. Demand:	29551 VA
Power	1200 VA	100.00%	1200 VA	Total Conn.:	93 A
Lighting	3236 VA	125.00%	4045 VA	Total Est. Demand:	82 A

Notes:

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AMERICAN INSTITUTE OF ARCHITECTS

LEONEL MUNOZ 27 STATE OF TEXAS REGISTERED ARCHITECT
03-05-25

TRANSIT TERMINAL INTERIOR BUILD-OUT
EDINBURG ECONOMIC DEVELOPMENT CORPORATION
617 UNIVERSITY DR. EDINBURG, TEXAS 78539

PROJECT NUMBER
224004

DATE
03-05-25

CONSTRUCTION DOCUMENTS

REVISIONS

No.	Description	Date

SHEET NUMBER
ES01

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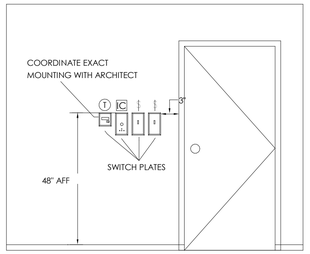
Project number: 24.3.3

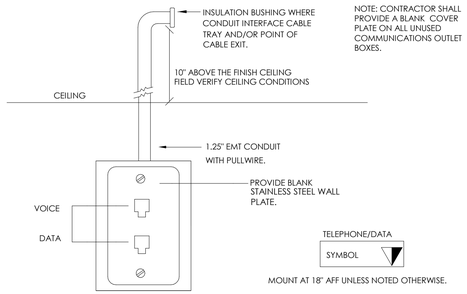
01

NOTE:
VERIFY WITH DIVISION-15 FOR THERMOSTAT LOCATION AND HEIGHT.



SWITCH PLATE LOCATION DETAIL
NO SCALE

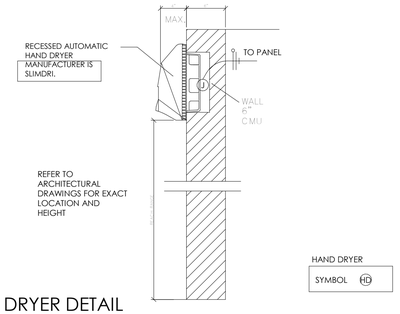
02



NOTE: CONTRACTOR SHALL PROVIDE A BLANK COVER PLATE ON ALL UNUSED COMMUNICATIONS OUTLET BOXES.

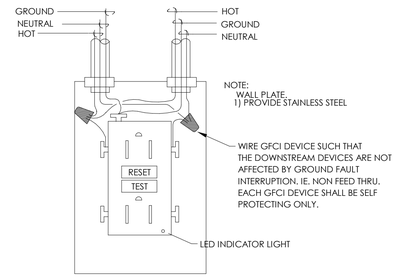
VOICE/ DATA DETAIL
NO SCALE

03



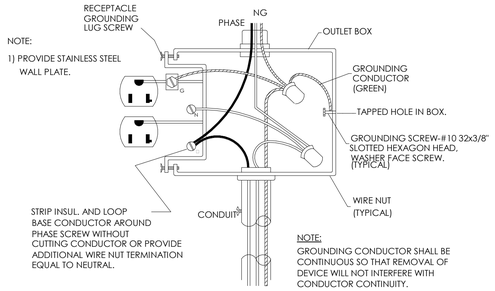
HAND DRYER DETAIL
NO SCALE

04



GFI RECEPTACLE- WIRING DIAGRAM
NO SCALE

05

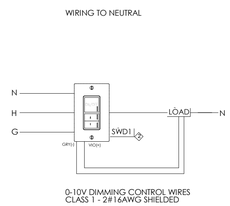


TYPICAL RECEPTACLE GROUNDING DETAIL
NO SCALE

06

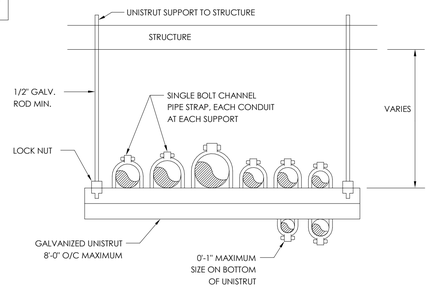
NOTE: BASIS OF DESIGN: MFR. SENSOR SWITCH #sPODMRD

GENERAL NOTES:
1. VERIFY THE LED FIXTURE INCLUDE 0-10VDC DIMMING DRIVER.



DIMMING WALL STATION SCHEMATIC DETAIL
NO SCALE

07

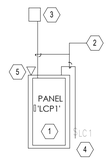


SUPPORT DETAIL FOR MULTIPLE CONDUIT HORIZONTAL RUNS
NO SCALE

08

KEYED NOTES:

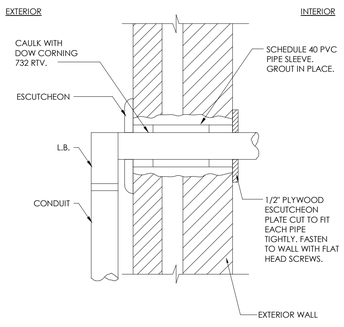
1. LIGHTING CONTROL RELAY PANELS. REFER TO SPECIFICATIONS EACH MATER RELAY PANEL SHALL INCLUDE DISPLAY MONITOR.
2. PROVIDE COMMUNICATION CABLE AS RECOMMENDED BY MANUFACTURER IN A 3/4"C. REFER TO PLAN FOR PANEL LOCATIONS.
3. PROVIDE EXTERIOR PHOTO CELL AS RECOMMENDED BY MANUFACTURER.
4. PROVIDE OVERRIDE SWITCH STATION. PROVIDE WIRING AS RECOMMENDED BY MANUFACTURER.
5. PROVIDE DATA CONNECTION TO MASTER PANEL.



NOTE:
1.) ALL EXTERIOR CIRCUITS SHALL BE PROGRAMMED AT OWNERS DIRECTIONS.
2.) MASTER RELAY PANEL "LCP1" SHALL INCLUDE CLOCK, PHOTOCELL, SOFTWARE PROGRAMMING, COMMUNICATION CARD AND GRAPHICAL CONTROLS.
3.) ALL SLAVE PANELS SHALL INCLUDE GRAPHICAL CONTROLS.

LIGHTING RELAY PANEL - SCHEMATIC DETAIL
NO SCALE

09



CONDUIT ENTRY THROUGH EXTERIOR
NO SCALE

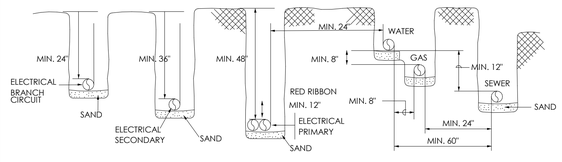
10

CLEAR TRENCH OF ALL ROCKS AND DEBRIS BEFORE ADDING SAND CUSHION.

COMPACT TRENCH FILL TO 95% PROCTOR DENSITY.

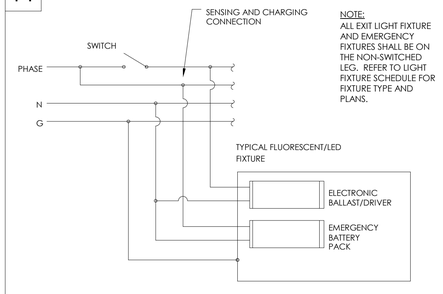
MAINTAIN A MINIMUM OF 60 INCHES UNDISTURBED EARTH BETWEEN PARALLEL WATER AND SEWER LINES OR SUPPORT WATER LINE ON SEPARATE SHELF A MINIMUM OF 12" ABOVE SEWER LINE.

MAINTAIN A MINIMUM OF 24" HORIZONTALLY BETWEEN ELECTRICAL PRIMARY AND SEWER. MAINTAIN A MINIM OF 12" VERTICALLY OR 24" HORIZONTALLY BETWEEN ELECTRICAL PRIMARY AND WATER LINES, GAS LINES, TELEPHONE RACEWAYS AND CABLE RACEWAYS.



TRENCH DETAIL
NO SCALE

11

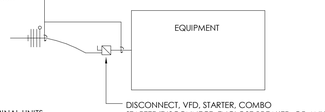


NOTE:
ALL EXIT LIGHT FIXTURE AND EMERGENCY FIXTURES SHALL BE ON THE NON-SWITCHED LEG. REFER TO LIGHT FIXTURE SCHEDULE FOR FIXTURE TYPE AND PLANS.

TYPICAL EMERGENCY LIGHT FIXTURE SCHEMATIC
NO SCALE

12

WIRE SIZE SHALL BE THE SAME IN AND OUT OF ELECTRICAL DEVICE. REFER TO WIRE SIZE AS SCHEDULED ON CIRCUIT DESIGNATION. REFER TO PANEL SCHEDULES



NOTE:
FOR MECHANICAL TERMINAL UNITS, REFER TO MECHANICAL EQUIPMENT CONNECTION SCHEDULE

DISCONNECT, VFD, STARTER, COMBO STARTER/DISCONNECT, ENCLOSE BREAKER, OR ANY MEANS OF CONTROLS/DISCONNECT.

EQUIPMENT CIRCUIT DETAIL
NO SCALE

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EDINBURG ECONOMIC DEVELOPMENT CORPORATION
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CONSTRUCTION DOCUMENTS

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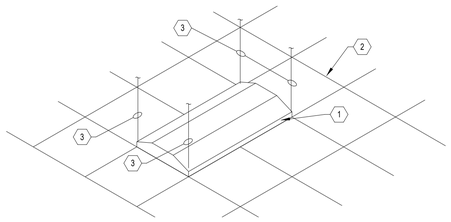
SHEET NUMBER
ED01

01

KEYED NOTES:

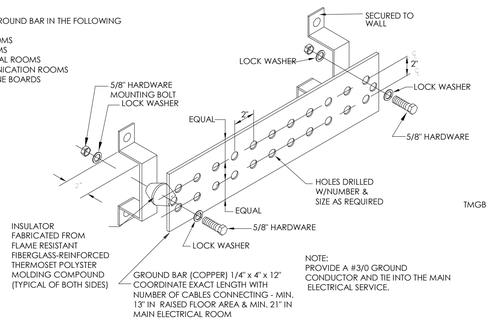
1. 2'x 4' LAY-IN LED/FLUORESCENT FIXTURE
2. SUSPENDED CEILING
3. TIE WIRE, CONNECT TO ALL FOUR CORNERS OF FIXTURE TO TOP OF STRUCTURE, INDEPENDENT OF CEILING SUPPORTS.



TYPICAL LAY-IN FIXTURE SUPPORT
NO SCALE

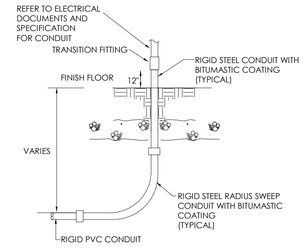
02

PROVIDE GROUND BAR IN THE FOLLOWING ROOMS:
1. MDF ROOMS
2. IDF ROOMS
3. ELECTRICAL ROOMS
4. COMMUNICATION ROOMS
5. TELEPHONE BOARDS



WALL MOUNTED SINGLE-POINT GROUND BAR DETAIL
NO SCALE

03

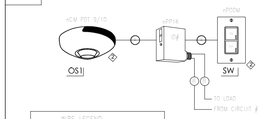


NOTES:
1. SEE ELECTRICAL DOCUMENTS FOR SIZES.
2. THIS APPLIES TO POWER AND SPECIAL SYSTEMS CONDUITS.

TYPICAL UNDERGROUND CONDUIT -ABOVE GROUND INSTALLATION
NO SCALE

04

NON-NLIGHT ENABLED FIXTURES + SINGLE SENSOR (SWITCHED ZONE)

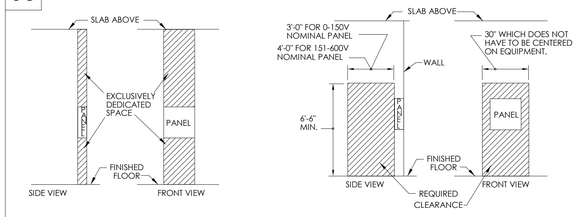


GENERAL NOTES:
1. SEE SPECS FOR LIMITATIONS ON DEVICES PER CAT5.
2. IN SEE LIMITATION OF GATEWAY AND BRIDGE FOR DEVICES PER
3. PORTALL SCENARIOS SHOW A MANUAL OVERRIDE OPTION.
4. NPP (NON-EMERGENCY) DEVICES PROVIDE UP TO 40mA BUS POWER PER PORT.

KEY NOTES:
1. QUANTITY OF FIXTURES MAY
2. DEVICES REQUIRE BUS POWER; PROVIDED BY DEVICES SUCH AS MASTER POWER PACK (nPP DEVICES) POWER PROVIDED BY LED nLIGHT ENABLED FIXTURES IN
3. SPACE PROGRAMMING IS NECESSARY IF ROOMS ARE BROKEN DOWN INTO ZONES. EMBEDDED CONTROLS REQUIRE n100 OR OTHER FACTORY-INSTALLED nLIGHT DEVICE.
5. VERIFY DIMMING TYPES: ELV, MLV, 2-WIRE, 3-WIRE, 4-WIRE, INCANDESCENT AVAILABLE. DIMMING DEVICE MAY REQUIRE ADDITIONAL BUS POWER TO OPERATE (NPSR0 / NPS150 / OTHER SELF POWERED POWER
6. PACK) 0-10V DIMMING ONLY (MARK VII DIMMING BALLAST OR 0-10VDC DIMMING
7. DRIVER). LIGHT EMBEDDED CONTROLS WITH EMERGENCY GENERATOR/INVERTER INPUT, FIXTURES TO OPERATE AT FULL BRIGHT IN EVENT OF NORMAL POWER LOSS. CONTROL DEVICES ARE DIABLED UNTIL NORMAL POWER IS RESTORED. SEE SPECIFICATIONS FOR POWER REQUIREMENTS.
8. nPP16 ER RELAYS DO NOT PROVIDE BUS POWER FOR nLIGHT DEVICES IN NETWORK DAISY
9. CHAIN. ALL THE CAT-5 CABLE SHALL BE DONE BY A QUALIFIED CERTIFIED INSTALLER TO ASSURE THE CABLE TERMINATIONS ARE DONE PROPERLY PER MFR RECOMMENDATIONS.
10. CONTRACTOR SHALL INCLUDE ALL COST TO HAVE A PRE-INSTALLATION MEETING WITH MANUFACTURER TO ASSURE ALL THE INSTALLATION REQUIREMENTS ARE DONE PER MANUFACTURER.

OCCUPANCY SENSOR SCHEMATIC
NO SCALE

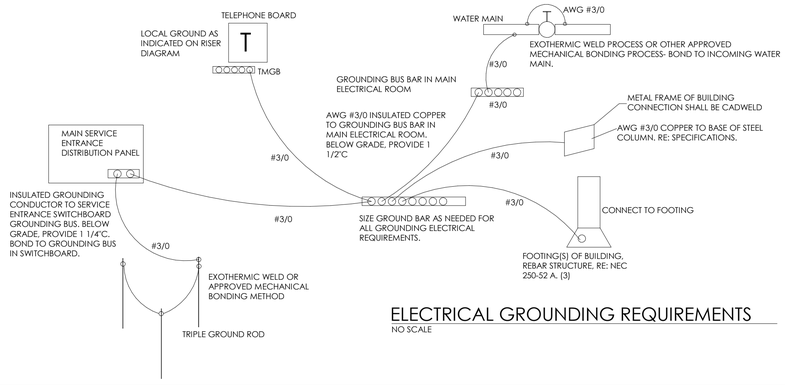
05



NOTE:
REFER TO THE LATEST NATIONAL ELECTRICAL CODE AND LOCAL CODES.

TYPICAL PANEL BOARD REQUIRED CLEARANCE
NO SCALE

06



ELECTRICAL GROUNDING REQUIREMENTS
NO SCALE

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ED02

Code Information:
Applicable codes include but are not limited to: City of Edinburg Electrical Code, National Electrical Code (2017N.E.C), International Building Code 2018, Life Safety Code (NFPA 101), Texas Accessibility Standards, American with Disabilities Act.

16010 Basic Electrical Requirements:
Permits and Codes: Obtain and pay for all necessary permits and required inspections. Comply with all national, state and municipal laws, codes and ordinances relating to building and public safety. Provide any required temporary power and utilities for all trades and all construction trailers. Provide temporary construction lighting and power. Electrical Contractor shall include Temporary Electric: All temporary elictric shall be in accordance with OSHA Construction standards 29FCR, Part 1926 and Article 590 of the 2008 National Electrical Code. Temporary lighting and power shall be provided in accordance with OSHA standards. The OSHA minimum illumination Is 5 footcandles in general construction areas, and 10 FC in mechanical/electrical rooms and workrooms. Included are connections to all construction trailers. The cost of this work is to be included in the base electrical bid for the project.

VISITING THE JOB SITE:
Visiting the site of the proposed construction in order to fully understand the facilities, difficulties and restrictions attending the exectuion of the work. No additional compensation will be allowed this Contractor for work or items omitted from his original proposal due to his failure to inform himself regarding such matters affecting the performance of the work in this contract or necessary for the installation and completion of the work included herein.

DRAWINGS:
Drawings are diagrammatic; confirm dimensions and locations in the field. If conflicting dimensions are shown, use larger dimensions and verify with Architect. See architectural plans and elevations for exact locations of fixtures and wall mounted devices. CONTRACTOR IS RESPONSIBLE TO VERIFY ELECTRICAL DRAWINGS SCALE AND DIMENSIONS WITH THE ARCHITECTURAL, CIVIL AND STRUCTURAL PLANS. Notify Engineer with scale discrepancies.

MATERIAL:
All material shall be new, made in the USA and U.l. listed. Material installation shall comply with NEC requirements and perform by craftsmen skilled in this particular work.

EQUIPMENT PROTECTION:
Protect equipment and work from damage during handling and installation until completion of construction.

COOPERATION WITH OTHER TRADES:
Cooperation with trades of adjacent, related or affected materials or operations, and with trades performing continuations of this work under subsequent contracts, is considered a part of this work in order to effect timely and accurate placing of work and to bring together, in proper and correct sequence, the work of such trades. Provide other trades, as required, all necessary templates, patterns setting plans and shop details for the proper installation of the work and for the purpose of coordinating adjacent work. Electrical power connections for mechanical and plumbing equipment are in this Division unless noted otherwise. Verify electrical characteristics of all equipment with Division 15 and other special Divisions (elevators, etc.) before roughing in the electrical connection and energizing the equipment. Mechanical/Plumbing/Special Equipment access and clearance areas: Remove any improperly installed electrical equipment and conduit that are limiting proper access for equipment service and maintenance.

ACCESS PANEL:
Provide access panels or doors for all devices requiring adjustment. Similarly for all junction boxes, pull boxes, etc.; that are required to be accessible per Code and/or the local authority having jurisdiction. Panel/doors shall be designed for the fire rating of wall or ceiling in which they are installed. All access panels shall be lockable and shall be keyed alike (same keying as panels for other divisions).

PLENUMS:
Plenums are crowded and not all obstacles are indicated. Allow for conduit offsets and pull boxes not indicated on drawings.

Plaster, gypsum board or other non-accessible ceilings:
Contractor shall minimize cutting and patching by installing conduit prior to ceiling/wall/partition cover-up.

LOSS OR DAMAGE TO FACILITIES:
The Contractor shall be responsible for loss or damage to the facilities caused by him and his workmen, and shall be responsible for repairing or replacing such loss or damage. The Contractor shall send proper notices, make necessary arrangement, and perform other services required for the care, protection an in-service maintenance of all electrical services for the new facilities. The Contractor shall erect temporary barricades, with necessary safety devices, as required to protect personnel and the general public from injury, removing all such temporary protection upon completion of the work.

The Contractor shall modify and/or replace all materials and items so indicated on the drawings or required by the installation of new facilities. Salvage materials shall remain on the property of the Owner and shall be delivered to such destination as directed by the Owner. Dispose of salvage materials if not retained by Owner.

WORK IN OCCUPIED AREAS:
Work in, above, below or near occupied areas shall be at Owner's convenience and may be during evenings or weekends. Schedule all required power outages a minimum of seven (7) days in advance with Facility Engineer. Do not turn off any power sources. Only Facilities Engineer or his authorized representative may do so.

FIRE STOPS AND PENETRATION SEALS:
All penetrations through fire rated floors and walls shall be sealed with 3M fire resistant foam sealant, to prevent the spread of smoke, fire, toxic gas or water through penetration either before, during or after a fire. The fire rating of the penetration seal shall be at least that of the floor or wall into which it is installed, so that the original fire rating of the floor or wall is maintained as required by article 300.21 of the National Electrical Code.

CLEAN UP:
A. Provide for isolation of work areas and daily removal of debris;
B. Clean all equipment and fixture lenses;
C. Replace all burned out lamps; and
D. Touch up with paint where required.

SUBMITTAL DATA:
Submittals are required but not limited to the following equipment:
Lighting Fixtures
Distribution Panelboards, Branch Circuit Panelboards, Switches, etc.
Fire Alarm System
Conduit/Fittings
Wire

SHOP DRAWINGS:
Shop drawings as required shall be provided by the Electrical Contractor at no additional cost to the Architect. These shop drawings shall be prepared to indicate installation at major equipment where special coordination problems exist. Overcurrent & Safety Disconnect Devices for HVAC Eqpt: Overcurrent & disconnect devices shown on plans are based on a specific HVAC equipment manufacturer. HVAC Contractor may submit other manufacturers, different models or ratings. It is the responsibility of the Electrical Contractor to coordinate OC/Disconnect devices with the HVAC Contractor prior to submitting such devices for Engineer's review. Any deviations from sizes shown on drawings must be noted in submittals. The Electrical Contractor must certify that he has reviewed and coordinated with the HVAC Contractor and that all OC/Disconnect devices submitted match the HVAC equipment requirements. Shop drawings without such certification will be returned to the Contractor. Only submittals with such certification will be reviewed.

COMPLETE SYSTEMS:
All systems shall be complete and working at completion of construction.

FINAL INSPECTION & OPERATING TESTS:
All electrical systems must be checked for proper polarity and sequence; all motors must be checked for proper rotation and all equipment (including HVAC, elevator and special equipment) check for proper voltage and phasing requirements. Prior to the application of any power, the Contractor must certify that all connected equipment match the characteristics of the supply circuit voltage, phasing and feeder requirements.

At the time designated by the Architect, the entire system shall be inspected by the Architect and the Engineer. The Contractor or his representative shall be present at this inspection.

After all systems have been completed and put into operation, subject each system to an operating test under design conditions to ensure proper sequence and operation throughout the range of operation, make adjustments as required to ensure proper functioning of all systems. Special tests on Individual systems are specified under individual sections.

The Contractor shall provide a set of as-built drawings and mylar reproducible to the Owner/Architect. After the inspection, any items which are noted as needing to be changed or corrected in order to comply with these specifications and the drawings shall be accomplished without delay.

GUARANTEE:
Guarantee all work and material furnished under this contract for a period of one year from the date of acceptance by the Owner and Architect. Guarantee shall include: All labor, parts, travel/subsistence, software changes/re-programming, etc.

RECORD DRAWINGS:
Provide Record Drawings in AutoCad 2008 or higher and on e hard copy on reproducible media showing exact dimensions and location for all under-slab conduit, switchgear, panelboards, transformers, equipment, and revised homerun circuit locations, Electrical CAD backgrounds may be available from Redding Linden Burr Engineers for a fee.

16111 CONDUIT
Conduit: Shall be rigid galvanized steel (RGS) or electrical metallic tubing (EMT) as manufactured by Allied, Triangle or Wheatland.
Indoors above grade: EMT or RGS
Outdoors above grade, stub-ups, or on roof: RGS, IMC
Below grade: Schedule 40 or 80 PCV or RGG. Provide transition fittings from PVC Sch. 40 or 80 to RGS for all above grade conduit. All underground metallic conduit shall have 409-mil thick external PVC coating for corrosion protection. Underground conduit minimum size 3/4". Minimum 24" burial depth from finished grade to top of conduit, provide deeper burial depth if required by local codes. Provide concrete easement for all incoming service conduit unless specifically noted otherwise. Provide red detectable warning tape over entire run of service and major conduit runs.
Under slab: RGS, Schedule 80 PVC.
Install underground wire where shown on the drawings. Set-screw type fittings may be used for EMT. Minimum conduit size ½", however, homerun to panel shall be minimum 3/4".

MC Cable, if approved, however, may be used only for drops from ceiling plenum junction boxes to receptacles and light switches in walls. MC cable may also be used as fixture whips from ceiling plenum junction boxes to light conduit, MC homerun to panels are not acceptable.

Type "AC" armored cable (commonly referred to as "BX") is not acceptable and shall not be used.

Electrical nonmetallic tubing (ENT, NEC Article 362) shall not be used unless specifically approved by the Engineer. Flexible conduit shall be utilized as final connections (3'-5' only) at the following equipment: motors, lighting, fixtures, heater, power supplies, and other vibration producing equipment. Utilize ½" flexible metallic conduit minimum and include a green ground wire. Use sealtite in wet locations such as outdoor condensing units, walk-in cooler/freezer, kitchen, rooftop HVAC equipment, etc. Conduit shall be supported from structure every 5 feet and within 3 feet of all boxes. Use locknuts inside and out at boxes. Maintained minimum 12" separation from all high temperature pipes. All conduit runs shall be installed either parallel or perpendicular to building lines. Route conduit as directly as possible with largest radius bends possible. Make bends with standard ells or bends per NEC. Provide expansions fittings if conduit crosses structural expansion joint. All conduit on roof shall be supported by an engineered, prefabricated portable pipe system specifically designed to be installed above finished roof without roof penetrations, flashings or damage to roof membrane. Provide pipe support system by Erico, model "Caddy Pyramid" or equal by Cooper B-Line. Support at interval not to exceed 10' on center, and within 5' of any deflection of conduit. Clean conduit interior after installation; coat scratches with zinc paint. Provide pull wire in all conduit (power, fire alarm, telephone and other communication conduit). Pull wire also required in all spare conduit.

Project Record Documents: Accurately record actual routing of all underslab and underground conduits; include dimensions from key building points and depth of cover.

16130 BOXES:
Outlet Boxes: Shall be galvanized steel suitable for location. Size boxes per NEC. Ceiling outlet boxes shall be 4" octagon. Wall outlet boxes shall be proper designed to accommodate the device required - 4 inch square with raised cover, provide raco, Steel City or Appleton. ALL J-BOXES / SPLICE BOXES MUST BE ACCESSABLE. Size boxes as needed.

Junction / Pull Boxes: (a) for each conduit run: provide one junction/pull box for each equivalent three quarter bends (270 degrees). (b) underground feeders: minimum one pull box for each 350 feet of conduit run.

16123 BUILDING WIRE AND CABLE:
Wire: (Triangle, American Insulation Cable Co., or Cablec)
All wiring shall be in conduit (except plenum rated low voltage cables). All Wires must be 75°C rated ampacity.
(a) Minimum size #12 except controls may be #14. Use #10 conductors for 20ampere, 120 volt branch circuits longer than 100 feet(verify electrical load prior to bid). Use #10 conductors for 20 ampere, 277 volt branch circuits longer than 150 feet(verify electrical load prior to bid).
(b) Type THHN/THWN stranded copper thermoplastic in dry locations.
(c) Type THWN in wet locations (outdoor, underground, on roof,....).
(d) All wire shall be 98% conductivity copper, 600 volt. NO ALUMINUM WIRES.
(e) Wire #10 and smaller may be solid or stranded, #8 or larger shall be stranded.
(f)Communication wires (Fire Alarm, Telephone, HVAC thermostat, data, and etc.): Plenum rated low-smoke cable may be used in lieu of wire/conduit type installation. All plenum rated cable shall be properly supported by bridal rings, cable ties, clips and etc. made by Erico (caddy communication fasteners) or equal. Do not use scrap wire to wrap and support communication wires. Homemade support devices are not acceptable. Do not lay communication cable directly on top of ceiling tiles, install cables a minimum of 12" above ceiling tiles and 12" from HVAC ductwork. Provide a minimum of 6" separations between power conduit and communication wiring.

16140 WIRING DEVICES
Wiring devices: Furnish and install where indicated on drawings. All devices shall be Leviton "Decora" type (white color, confirm w/Architect) or approved equal unless specified otherwise by Architect. All receptacles shall be "Spec Grade" type, min. 20Amp rated UNO.
Dimmer Switches: Provide dedicated neutral for dimmer controlled lighting circuit. Do not s hare neutral with 2 or more branch circuits. Do not break fins (heat sinks) on dimmer switch. Derated dimmer switches may be used only where specifically approved by Engineer.
Ground fault circuit interrupter (GFCI) receptacle shall comply with 2006 UL 943 safety standard. GFCI receptacle shall have integral end-of-life LED indicator light, and continuous sensing and self-testing every 60 seconds. Provide Hubbell GFR5352 or approved equal.
Cover plates: high abuse nylon or stainless steel per architect. Provide circuit number label on all device plates.

All electrical boxes on opposite sides of corridor wall and firewalls must be separated by a horizontal distance of not less than 24 inches.

Testing and Certification: Contractor shall deliver a written report certifying that every receptacle has been tested as follows and found acceptable: (a) the physical integrity of each receptacle shall be confirmed by visual inspection. (b) The continuity of the grounding circuit in each electrical receptacle shall be verified. (c) Correct polarity of the hot and neutral connections in each electrical receptacle shall be confirmed.

16170 GROUNDING AND BONDING
Grounding: All conduit work and electrical equipment shall be effectively and permanently grounding in accordance with NEC requirements. Provide green equipment grounding conductor with all power and receptacle and lighting circuits. Green equipment grounding conductor shall be routed from panel ground bus to final devices.
Grounding service electrodes: Provide 3 - ¾" x 10-ft long(refer to detail), copper-clad, steel grounding rod. For below-grade connections provide exothermic welded type; for above grade connections provide mechanical bolted-type connections utilizing high conductive copper alloy or bronze lugs or clamps.
Service ground resistance: Must be less than 25 ohms. Provide additional ground rods as required to obtain 25 ohms or less.

16195 ELECTRICAL IDENTIFICATION
Identification: Label all junction and pull boxes with panels and circuit numbers. All junction and pull boxes in ceiling pleum shall be labeled with circuits. Mark all branch conduit with circuit numbers at each surface mounted panel location.
Color Code: Conductors shall be color coded as follows: Refer to detail.

All panels shall be identified using name plates with 4 rows of text (letter height shall be ¼" minimum), example:
PANEL "XX" 225 AMPS MCB, SECTION #1 OF 2-SECTION PNL
208 Y/120V, 3 PHASE, 4 WIRE
FED FROM DIST PANEL "XXX", 1ST FLOOR

16210 ELECTRICAL SERVICE
Contractor shall make arrangements for temporary and permanent service. Comply with all service installation standards of the saving utility. Electrical service characteristics shall be as shown on the electrical one line diagram. Contractor shall coordinate location of service entrance with the Power Company. Provide materials and equipment required to connect the project service to the utility system. Contractor shall submit to the Power Company an application for service. Contractor shall submit service application to the Power Company within 30 days after award of project contract. Contractor shall secure a Service Outlet and Data Statement ("Statement") from the Power Company. Verify that the information on the statement is correct, including voltage, phase and number wires, type of service, service facility arrangements, and location of service outlet. Failure to submit service application in a timely manner may cause project delay and additional cost. All such cost due to Contractor's failure to apply and coordinate for service in a timely manner shall be borne by the Contractor. Contractor shall coordinate and assist Owner if application is required to be submitted by Owner. Outages - Schedules power outages to avoid interference with the Owner's activities. Obtain approved from Owner at least 30 days prior to the requested outages. If required by the Owner, provide a schedule showing sequence and duration of all activities during the requested outages.

16470 PANELBOARDS - DISTRIBUTION AND BRANCH CIRCUIT
Note: All Electrical gear acceptable mfr. shall be the following: A.) Sq.D or B) Siemens, C) GE and D)EATON. All panelboards shall be of mfr. SQ-D. and shall have copper buses. Load center type panelboards are not acceptable and shall not be used. Provide breakers which are quick-make and quick-break on both manual and automatic operation. Use a trip-fire breaker which is trip indicating. Incorporate inverse time characteristic by bimetallic overload elements and instantaneous characteristic by magnetic trip. For 2-pole and 3-pole breakers, use the common-trip type so that an overload or fault on one pole will trip all poles simultaneeously. Handle ties are not acceptable. All breakers shall be bolt-on thermal magnetic type. Stab-on breakers are not acceptable. Do not use tandem circuit breakers. All circuit breakers rated 100 amp or less shall be suitable for terminating 75-degree C wire (breakers rated for only 60-degree C wire is not acceptable. See 16123 - Building Wire and Cable). ALL LUGS SIZES SHALL BE SIZE PER THE CONDUCTOR SPECIFIED ON THE ELECTRICAL PLANS.
All equipment shall be labeled, panelboards shall be labeled both on the coverplates and the interiors.
Panelboard Directories: Provide a steel directory frame mounted inside the door with a heat-resistant transparent face and a directory card for identifying the loads served. Identify each circuit with load and locations (room names and room numbers) and indicate with typed directories. (Example: 5 duplex receptacles, Office, RM XXX). Install the panelboards such that the center of the switch or circuit breaker in the highest position will not be more than 6 ½ feet above the floor or working platform.
For each panel: furnish and install one spare ¾" conduit for every 6 spares and/or spaces in the panel. Each spare conduit shall be installed with pull string subbed to a J-box located in accessible ceiling/plenum space. Install a minimum of one spare ¾" conduit for every panel shown on plans, even if there are on spares/spaces in some panels. Acceptable manufacturers are GE, Square D, Eaton, and Siemens.

16693 SURGE PROTECTION DEVICE
SPD shall be UL 1449 3rd Edition and testing in full compliance with ANSI/IEEE C62.41-1991 and ANSI/IEEE C62.45-1987 Guidelines.
Acceptable mfr. shall be the following: A.) Sq.D or B) Siemens, C) GE , D)EATON, CURRENT TECHNOLOGY and E) THOR Systems.
The device shall be provided in a surface mounted NEMA 1 type hinged enclosure, with a NEMA rating that matches or exceeds that of the switchgear, distribution panel, sub or branch panelboard that is being protected. of minimum 14 gauge steel, painted inside and out. Enclosure width shall not be greater than 24 inches.
The device shall include a solid-state suppression system which includes arrays of fused non-linear voltage dependent metal oxide varistors (MOV's) with similar operating characteristics. The suppression system shall not utilize gas tubes, spark gaps, silicon avalance diodes or other components which might short or crowbar the line, thus leading to interruption of normal power flow to or system upset of connected loads. The suppression system shall not incorporate any other components which may degrade performance or reliability of the device.
The device shall include solid-state, long-life externally mounted LED visual status indicators that indicate the on-line status of each phase of the unit, Dry Contacts, Audible alarm with silence switch and For Service Entrance or Switchgear SPD's: LED visual status indicators, Audible alarm with silence switch, Dry Contacts plus Surge Event Counter.

The device shall be installed as close as practical to the facility's wiring system in accordance with NEC Article 285, IEEE 1100-2005 section 8.4.2.5, plus applicable national/local electrical codes and the manufacturer's recommended installation instructions. Connection shall be from a minimum 40A branch circuit breaker in the switchgear, distribution panel or panelboard with #4 AWG copper conductors not any longer than necessary, avoiding unnecessary bends. Advise the engineer if the installed In no case shall conductors will be longer than 3 feet in length. Verify circuit breaker size with manufacturer.
The system shall be field tested in the presence of the Owner. At the same time operational procedures shall be reviewed with the Owner.

16441 ENCLOSED SAFETY SWITCHES
All safety switches shall be heavy-duty type with quick-make, quick-break contacts and suitable for terminating 75-degree C wire. Provide each switch with a ground lug. Provide a defeatable, front accessible, coin-proof door interlock to prevent opening the door when the switch is in the ON position and to prevent turning the switch ON when the door is open. Provide incoming line terminals with an insulated shield so that no live parts are exposed when the door is open. Provide each switch with an isolated, fully rated neutral block with provisions for bonding the block to the enclosure. Where fusible switches are shown, provide switches with rejection-type fuse holders which are suitable for use with fuses. In general, mount switches so that operating handle is approximately 44 inches above finished floor; where grouped, align tops of switches. Acceptable manufacturers are GE, Square D, Eaton, and Siemens.

GENERAL NOTES: (APPLY TO ALL ELECTRICAL SHEETS)
G1. All circuit numbers shown are for reference only. Field verify actual circuit numbers required and adjust accordingly.
Provide a type director(ies) reflection actual circuit numbers used, with field revised/relocated circuits clearly indicated.

G2. Wires oversized to alleviate voltage drop: Where oversized wires are used to alleviate voltage drop, Contractor to provide reducer lugs and/or J-boxes as required to terminate wires in equipments.

G3. All conduit and wire must be concealed from view. Exposed conduit and wire are not acceptable, exceptions are Mechanical/Electrical Rooms.

G4. All electrical and communication devices (light switches, receptacles, telephone, data etc.) shall be recessed mounted unless noted otherwise. Field verify receptacle mounting requirements with Owner/Arch., mount all duplex receptacles with the "u" ground terminal on top, unless noted otherwise or as required by Owner/Arch. Neutral terminal shall be on top for horizontally mounted receptacles.

G5. Verify location of all outlets (power & communication) with Owner/Arch prior to rough-in. Owner reserves the right to move any outlets 5 feet in any direction prior to rough-in. all receptacles within 6 feet of any wt area (example: sink, dishwasher, etc.) shall have ground fault circuit protection, whether specifically indicated on drawings or not.

G6. Mounting height of all outlets (receptacles, switches, telephone, data, etc.) in areas with countertop shall be verified with Arch/Owner. Generally all outlets are to be mounted above countertop except outlets for disposers, undercounter dishwasher, undercounter refrigerators, etc. refer to Arch Interior elevations.

G7. All weathergroof/wet location and/or outdoor receptacles shall have "wheaterproof-in-use" covers (NEC Article 406.8(B)). Provide Raco Bell Rayntite II covers or equal.

G8. Switches/starters for mech and other equipment: Location of disconnect switches, starters, control stations, etc. are shown diagrammatically on the drawings. E.C. shall install such devices in compliance with Code required clearance requirements. All such devices shall be accessible after equipments are in place and satisfy code clearance requirements. Remove and re-install devices that are inaccessible or with inadequate code clearance. Coordinate installation w/HVAC.

G9. HVAC Equipment: Overcurrent devices, disconnect switches, conduit/wire are selected based on equipment shown on Mechanical drawings.

MILNET ARCHITECTURAL SERVICES
AMERICAN INSTITUTE OF ARCHITECTS

STATE OF TEXAS
LEONARDO MUNOZ
03-05-25

TRANSIT TERMINAL INTERIOR BUILD-OUT
EDINBURG ECONOMIC DEVELOPMENT CORPORATION
617 UNIVERSITY DR. EDINBURG, TEXAS 78539

PROJECT NUMBER
224004

DATE
03-05-25

CONSTRUCTION DOCUMENTS

REVISIONS

No.	Description	Date

SHEET NUMBER
ED03

TRINITY MEP ENGINEERING
3533 Moreland Dr, Ste A I Weslaco, Tx
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www.trinitymep.com I Copyright 2020
Texas Registered Engineering Firm - F10362
Project number: 24.3.3

ABBREV. / DESCRIPTION

ABBREV.	DESCRIPTION
AC	ABOVE CEILING
AFF	ABOVE FINISHED FLOOR
ASA	AMERICAN STANDARDS ASSOCIATION
ASME	AMERICAN SOICIETY OF MECHANICAL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
AW	ACID WASTE
AWWA	AMERICAN WATER WORKS ASSOCIATION
AV	ACID VENT
BTUH	BRITISH THERMAL UNIT PER HOUR
CA	COMPRESSED AIR
CI	CAST IRON
CO	CLEANOUT
CU	COPPER
DN	DOWN
EQ	EQUAL
FCO	FLOOR CLEANOUT
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
GAL	GALLON(S)
GALV	GALVANIZED
GW	GREASE WASTE
HB	HOSE BIBB
HP	HORESPOWER
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
RD	ROOF DRAIN(S)
RE:4/P6	REFER TO DETAIL 4 DRAWING P-6
RO	REVERSE OSMOSIS
SD	STORM DRAIN
SPEC	SPECIFICATION
TYP	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORIES
VTR	VENT THRU ROOF
V	VACUUM
W/	WITH
WCO	WALL CLEAN OUT
YCO	YARD CLEAN OUT

PLUMBING GENERAL NOTES: (ALL SHEETS)

A. ALL WORK AND MATERIAL SHALL BE IN COMPLIANCE WITH ALL APPLICABLE CODES AS ADAPTED AND AMENDED BY THE INSPECTING AUTHORITIES.

B. ALL PLUMBING WORK SHALL BE INSTALLED SO AS TO AVOID CONFLICT WITH ALL ELECTRICAL WORK, MECH'L WORK AND STRUCTURAL MEMBERS. COORDINATE WITH MECHANICAL, ELEC'L AND STRUCTURAL FOR PROPER CLEARANCES.

C. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PHASING AND SEQUENCE OF CONSTRUCTION OF WORK.

D. SLEEVE ALL OUTSIDE WALL, FLOOR SLAB, AND GRADE BEAM PENETRATIONS PER DETAILS AND PER CODE.

E. LOCATE ALL PLUMBING VENTS TO ROOF (VTR) SO THAT THEY TERMINATE A MINIMUM OF 1'-0" AWAY FROM ANY VERTICAL SURFACE AND 10'-0" AWAY FROM ANY OUTSIDE AIR INTAKES.

F. RECORD INVERT ELEVATIONS OF ALL YCO'S ON "AS-BUILT" DRAWINGS.

G. MINIMUM 3" WASTE LINE BELOW FLOOR AND MINIMUM 2" WASTE RISER. UNLESS NOTED OTHERWISE (UNO).

H. PLUMBING CONTRACTOR SHALL PAY FOR ALL UTILITY CONNECTIONS FEES, PERMITS, TESTS AND INSPECTIONS. FURNISH 3 COPIES OF INSPECTION CERTIFICATE BEFORE REQUESTING FINAL PAYMENT.

I. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND REPAIRING ALL AREAS WHICH ARE DAMAGED BY HIS OPERATIONS.

J. CUTTING OF CONCRETE FLOORS SHALL BE BY MACHINE SAW. HOLES FOR PIPES (WALL OR FLOOR) SHALL BE DONE WITH CORE DRILLING EQUIPMENT WITH PRIOR APPROVAL FROM THE STRUCTURAL ENGINEERS.

K. PRESSURE TEST ALL INSTALLATIONS PRIOR TO CONNECTING EQUIPMENTS.

L. LABEL ALL PIPING PER ANSI STANDARD.

M. PROVIDE PROPER INSULATION ON ALL HOT WATER PIPING, STORM PIPING AND CONDENSATE PIPING.

N. PROVIDE SHUT-OFF VALVES (STOPS) ON ALL ROUGH-INS TO FIXTURES AND EQUIPMENTS.

O. PROVIDE ANY BACK FLOW PREVENTION DEVICE REQUIRED BY CODE OR GOVERNING AUTHORITIES. CONTRACTOR SHALL VERIFY THIS WITH CITY OR LOCAL AGENCIES AND INCLUDE COST OF SAME IN BID. CONTRACTOR TO HAVE BACK FLOWS CERTIFIED.

P. PROVIDE WATER HAMMER ARRESTORS AS INDICATED ON THE DRAWINGS. AIR CHAMBERS NOT AN APPROVED SUBSTITUTE.

Q. ALL EXPOSED PIPING FOR DESIGNATED DISABLED ACCESS FIXTURES SHALL BE COVERED OR OTHERWISE WRAPPED IN ACCORDANCE WITH A.D.A. REQUIREMENTS AND LOCAL AUTHORITY.

R. ALTERNATE MATERIALS NOT IDENTIFIED IN SPECIFICATIONS/DRAWINGS BUT APPROVED BY LOCAL AUTHORITY SHALL BE SUBMITTED TO ARCHITECT AND PLUMBING ENGINEER FOR REVIEW PRIOR TO INSTALLATION.

S. ISOMETRIC DIAGRAMS ARE FOR SIZING PURPOSES ONLY AND SHALL NOT BE USED FOR MATERIAL TAKE-OFFS, OR BE CONSTRUED TO INDICATE ACTUAL SITE INSTALLATION.

T. DRAWING IS DIAGRAMMATIC ONLY. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF PIPING, DEVICES AND EQUIPMENT WITH BUILDING ELEMENTS AND THE WORK OF OTHER TRADES.

U. EVERY FLOOR DRAIN, FLOOR SINK OR HUB DRAIN SHALL BE SERVED BY AN AUTOMATIC TRAP PRIMER, UNO.

PLUMBING SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	BALL VALVE		DOMESTIC COLD WATER
	CHECK VALVE		DOMESTIC HOT WATER
	GATE VALVE		DOMESTIC HOT WATER RETURN
	UNION		SANITARY SEWER VENT
	DIRECTION OF FLOW		SANITARY WASTE LINE
	WALL CLEANOUT	140°	140° HOT WATER
	FLOOR CLEANOUT YARD CLEANOUT		SANITARY DIRECTION OF FLOW
	FLOOR SINK		BRANCH - TOP CONNECTION
	FLOOR DRAIN		PIPE RISER
	WALL HYDRANT OR HOSE BIBB		PIPE DROP
			POINT OF CONNECTION (APPROXIMATED FIELD VERIFY EXACT POINT OF CONNECTION)

NOTE: 1. NOT ALL SYMBOLS USED ON THIS PROJECT
2. INSTALL WATER CLOSET FLUSH VALVE HANDLE TOWARDS WIDER SIDE OF WATER CLOSET OR DOOR OPENING.
3. INSTALL ADA APPROVED FLUSH VALVE HANDLE FOR ADA PLUMBING FIXTURES.

INDEX OF SHEETS PLUM

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE TYPE	CONNECTION SIZE San. Sewer	Vent	Cold Water	Hot Water	DESCRIPTION
WC-1	WATER CLOSET FLOOR MOUNTED ADA	4"	2"	1"	-	KOHLER "HIGHCLIFF ULTRA" MODEL NO. K-96057, FLOOR MOUNTED WATER CLOSET, WITH ELONGATED RIM, 16-5/8" RIM HEIGHT, VITREOUS CHINA, SIPHON JET FLUSH ACTION 10"- 12" ROUGH IN, WITH SLOAN "ROYAL" MANUAL FLUSHOMETER VALVE MODEL NUMBER 111-1.28 , FLOW RATE (1.28 GPF), INCLUDES 1" TOP SPUD AND 2 BOLTS CAPS. COMPLETE WITH BEMIS MODEL NO. 1955SSTFR, OPEN FRONT SEAT LESS COVER. FLUSH LEVER SHALL BE MOUNTED ON APPROACH SIDE OF FIXTURE.
L-1	LAVATORY COUNTER TOP STANDARD & HANDICAPPED	2"	2"	1/2"	1/2"	KOHLER MODEL NO. K-2337-8 DROP-IN COUNTERTOP LAVATORY, CONCEALED FRONT OVERFLOW, VITREOUS CHINA. COMPLETE WITH INSTALLATION TEMPLATE, FAUCET HOLES ON 4" CENTERS. PROVIDE HYDRO POWERED SELF GENERATING FAUCET EQUAL TO TOTO MODEL TGL 105-D10E , SENSORED OPERATED, VANDAL RESISTANT, ADA APPROVED. PROVIDE PROTECTIVE COVER ON P-TRAP AND STOPS. PROVIDE P-TRAP; 17 GAUGE CHROME DEARBORN BRAND PROVIDE SINK/LAV WITH SINGLE OUTLET THERMOSTATIC MIXING VALVE (TMV), WATTS LFMMV-US-M1. SET TEMPERATURE AS PER LOCAL JURISDICTION.
SK-1	TWO-COMPARTMENT SINK ADA COMPLIANT	2"	2"	1/2"	1/2"	DOUBLE COMPARTMENT STAINLESS STEEL SINK BY ELKAY MODEL GECR 3321 MOUNT WITH STAINLESS STEEL MOUNTING CHANNELS, 18 GAUGE, TYPE 302, CENTERED REAR DRAIN. COMPLETE WITH MOEN TWO-HANDLE KITCHEN FAUCET MODEL NO. 8799, WITH WRIST BLADE HANDLES. COORDINATE KNEE SPACE WITH SINK DRAIN LOCATION FOR ADA COMPLIANCE. PROVIDE PROTECTIVE COVER ON P-TRAP AND STOPS. PROVIDE LKADOS CHROME PLATED BRASS OFFSET TAILPIECE FOR WHEELCHAIR USE. PROVIDE SINK/LAV WITH SINGLE OUTLET THERMOSTATIC MIXING VALVE (TMV), WATTS LFMMV-US-M1. SET TEMPERATURE AS PER LOCAL JURISDICTION.
MS-1	MOP SINK	3"	2"	1/2"	1/2"	FIAT MODEL NO. TSB100, 24"X24"X12" TERRAZO MOP SINK, COMPLETE WITH FAUCET MODEL 830-AA. MOP SINK SHALL INCLUDE ALL HOSE BRACKETS, HOSE, AND MOP HANGER. WITH 3" DRAIN WITH STRAINER & DEEP SEAL P-TRAP. PROVIDE WALL GUARD MSG2424.
EDF-1	ELECTRIC WATER COOLER W/ Water Refilling Station REFER TO ARCH'L DRAWING FOR MOUNTING HEIGHTS	2"	2"	1/2"	-	BI-LEVEL ELECTRIC WATER COOLER SHALL BE "ELKAY" MODEL No. LZSTL8WSVRSK,WITH Elkay EZH2O Water Refilling Station, CAPACITY OF 8.0 GALLONS, STAINLESS STEEL BASIN WITH INTEGRAL DRAIN GRID AND EMBOSSED BUBBLER PAD. LEAD FREE ADA COMPLIANT, WITH ZURN CARRIER MODEL No. Z-1225, WITH APRON MODEL NO. LKAPR-EZL TO COMPLY WITH TAS AND ADA.
IMC	ICE MAKER CONNECTION BOX	-	-	1/2"	-	CONNECTION BOX EQUAL TO GUY GRAY NO. BIM875 PREFABRICATED RECESSED BOX WITH COMPRESSION ANGLE VALVE.
HB-1	HOSE BIB EXTERIOR GENERAL USE	-	-	3/4"	-	MILD TEMPERATURE WALL HYDRANT SHALL BE WADE MODEL 8600MT-175 3/4" INLET WITH BRONZE CASING, BRONZE FACE AND STRAIGHT INLET CONNECTION WITH INTEGRAL BACKFLOW PREVENTER.
TMV-1	THERMOSTATIC MIXING VALVE	-	-	3/4"	3/4"	BRADLEY THERMOSTATIC MIXING VALVE MODEL S59-2025-TMV25 SURFACE. PROVIDE WITH CABINET TO BE EQUAL TO BRADLEY CABINET MODEL CAB-TMV25-R-S-T-P-SS-W SURFACE MOUNT STAINLESS STEEL CABINET.
FD-1	RESTROOM FLOOR DRAIN	AS NOTED ON PLANS				EQUAL TO JOSAM PART # 30003-6A-Y-50, CAST IRON BODY WITH CLAMP RING, FLANGE, ADJUSTABLE NIKALOY STRAINER, HUB OUTLET WITH GASKET AND 1/2" PRIMER TAP.
FD-2	FLOOR DRAIN	AS NOTED ON PLANS				EQUAL TO JOSAM PART # 30003-7E2-Y, COATED CAST IRON BODY WITH CLAMP RING, TWO PIECE BODY WITH DOUBLE DRAINAGE FLANGE, ADJUSTABLE NIKALOY FUNNEL STRAINER ,
FCO	FLOOR CLEANOUT	AS NOTED ON PLANS				MIFAB MODEL "C1100-R-1" ADJUSTABLE FLOOR CLEANOUT, COMPLETE WITH NICKEL BRONZE TOP ASSEMBLY, LACQUERED CAST IRON FLOOR DRAIN WITH ANCHOR FLANGE, AND PRIMARY GASKET SEAL.
YCO	YARD CLEANOUT	AS NOTED ON PLANS				MIFAB MODEL "C-1220" LACQUERED CAST IRON CLEANOUT, THREADED BRONZE PLUG FOR AIR TIGHT SEAL AND STANDARD REINFORCED SATIN FINISHED NICKEL BRONZE ADJUSTABLE TOP ASSEMBLY.
WCO	WALL CLEANOUT	AS NOTED ON PLANS				MIFAB MODEL "C1430-RD" CAST BRONZE CLEANOUT PLUG, COMPLETE WITH STAINLESS STEEL WALL ACCESS COVER AND ANCHOR SCREW. MOUNT 24" A.F.F.

NOTES:

1.) INSULATE ALL WATER AND WASTE PIPING UNDER LAVATORIES WITH HANDY-SHIELD JACKET BY PLUMBEREX.

2.) PROVIDE SINGLE FIXTURE WATER HAMMER ARRESTORS EQUAL TO MINI-RESTER , HYDRA-RESTER SIOUX CHIEF. FOR ALL PLUMBING FIXTURES IN THE WATER SUPPLY SYSTEM.

3.) ALL VITREOUS CHINA FIXTURES SHALL BE WHITE.

PLUMBING PIPING MATERIAL:

1. SANITARY DRAIN & VENT INSIDE BUILDING BELOW GRADE: SCHEDULE 40 PVC
2. SANITARY DRAIN OUTSIDE BUILDING: SCHEDULE 40 PVC
3. SANITARY DRAIN & VENT INSIDE BUILDING ABOVE GRADE: SCHEDULE 40 PVC
4. SANITARY DRAIN & VENT IN PLENUM CEILING: NO-HUB CAST IRON
5. ACID WASTE PIPING: FR POLYPROPYLENE
6. ACID VENT IN PLENUM CEILING: FR-PVDF
7. DOMESTIC HOT & COLD WATER: COPPER, TYPE "L" HARD DRAWN
8. DOMESTIC WATER BELOW GRADE: COPPER, TYPE "K" SOFT ANNEALED
8. DOMESTIC WATER BELOW GROUND OUTSIDE OF BUILDING PIPING 2" SIZE AND SMALLER: COPPER, TYPE "L" HARD DRAWN
9. DOMESTIC WATER BELOW GROUND OUTSIDE OF BUILDING PIPING OVER 2" SIZE: SDR 26 CLASS 160 PVC

APPLICABLE BUILDING CODE

2018 International Building Code
2018 International Plumbing Electrical Code
2018 International Mechanical Code
2018 International Energy Conservation Code
2018 International Existing Building Code
2017 National Electrical Code of the National Fire Protection Association
2018 International Fire Code
2012 Texas Accessibility Standards

ELECTRIC WATER HEATER SCHEDULE

DESIG.	STORAGE GALLONS	RECOVERY G.P.H.	DEGREE RISE °F	WATER TEMP. LEAVING	WATER INLET	WATER OUTLET	REMARKS
WH-1	30	20	60°	120°	3/4"	3/4"	RHEEM MODEL NO. EGSP-30, 3KW, 208V/1□, ELECTRIC TANK TYPE. PROVIDE 2 GALLON EXPANSION TANK. PROVIDE WITH HOLDRITE MODEL SKU 40-SWHP-WM WALL MOUNTED WATER HEATER PLATFORM

RECIRCULATING PUMP SCHEDULE

MARK	GPM	FEET HEAD	POWER	RPM	VOLTS/PHASE	REMARKS
CP-1	0-11	0-13	44W	3250	120 volts/1□	EQUAL TO TACO MODEL 006E3LC, COM[POSTE CASING, WET ROTOR CIRCULATOR, MAINTENANCE FREE, WET-ROTOR, IN-LINE, 3SETTING SPEED DIAL. PROVIDE WITH GRUNDFOS AQUASTAT TIMER AND THERMOSTATIC CONTROL KIT

ELEVATOR SUMP SYSTEM SCHEDULE

LIBERTY PUMPS - SUBMERSIBLE PUMP DATA

MARK	FLOW G.A.P. GPM	TDH	DISCH. SIZE	RPM	HP	VOLT/PH	MODEL
ESP-1	80	45'	1 1/2"	1750	3/4	115/1	ELV290

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MILNET ARCHITECTURAL SERVICES
AMERICAN INSTITUTE OF ARCHITECTS

STATE OF TEXAS
LEONARDO MUNOZ
03-05-25

TRANSIT TERMINAL INTERIOR BUILD-OUT
EDINBURG ECONOMIC DEVELOPMENT CORPORATION
617 UNIVERSITY DR. EDINBURG, TEXAS 78539

PROJECT NUMBER
224004

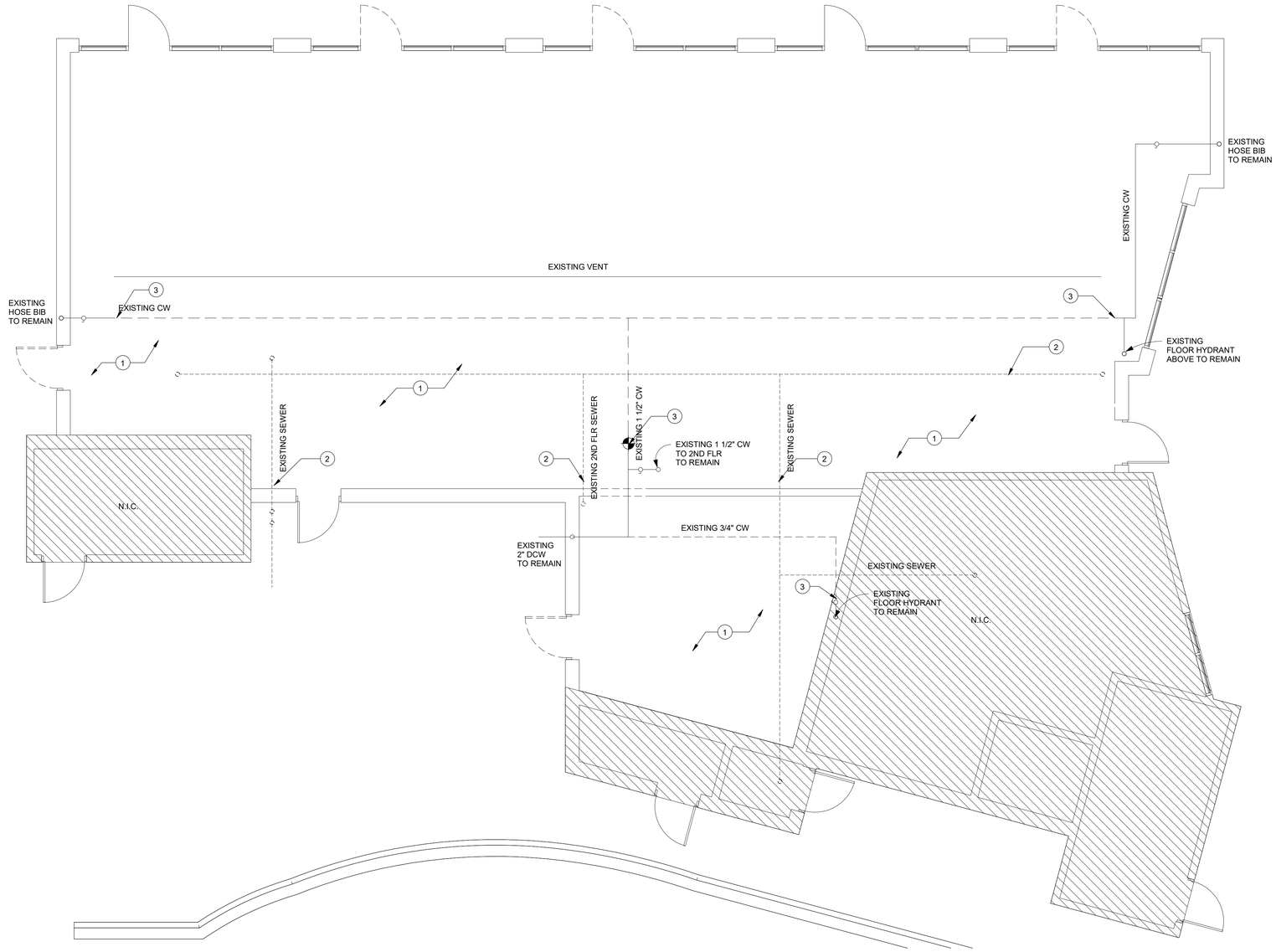
DATE
03-05-25

CONSTRUCTION DOCUMENTS

REVISIONS

No.	Description	Date

SHEET NUMBER
PG01



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

PLUMBING KEYED NOTES	
1	PREP AREA FOR NEW PLUMBING FIXTURES LAYOUT. REFER TO PROPOSED DRAWINGS.
2	EXISTING SEWER LINE TO REMAIN.
3	EXISTING DOMESTIC WATER LINE TO BE DEMOLISHED TO THIS POINT AND CAPPED FOR PROPOSED FUTURE CONNECTION.

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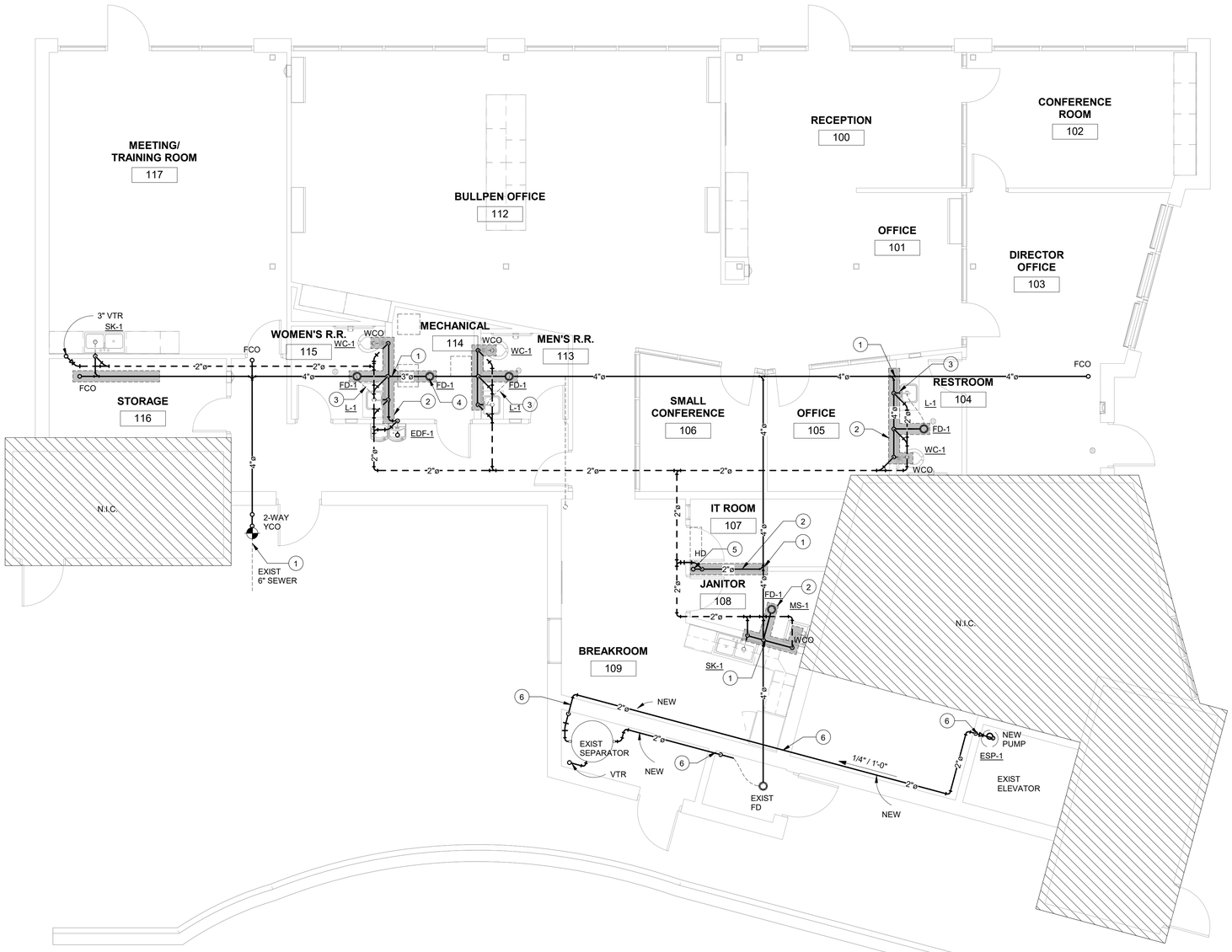

1 PLUMBING SEWER - FIRST FLOOR
3/16" = 1'-0"

PLUMBING KEYED NOTES	
1	CONNECT NEW SANITARY SEWER LINE TO EXISTING SANITARY SEWER. FIELD VERIFY SIZE, DIRECTION OF FLOW AND LOCATION OF EXISTING SANITARY SEWER
2	SAW-CUT THRU CONCRETE TO TRENCH FOR NEW UNDERGROUND PLUMBING. PATCH CONCRETE FLOOR TO MATCH EXISTING.
3	1/2" COPPER FROM TRAP PRIMER PROVIDE LAVATORY WITH "PRIME-EZE" TRAP PRIMER BY JR SMITH. REFER TO DETAIL 08/PD01. COVER WITH SLEEVE "POLY SLEEVE" OR EQUAL. TYPICAL ALL TRAP-PRIMERS.
4	FLOOR DRAIN FOR CONDENSATE FROM AHU's. COORDINATE LOCATION WITH HVAC CONTRACTOR.
5	PROVIDE 3" HUB DRAIN FOR FAN COIL UNIT, WITH DEEP SEAL P-TRAP, IN WALL, ALONG WITH DRAIN KIT, TRAP PRIMER AND 8x8 UNIVERSAL ACCESS DOOR EQUAL TO MIFAB SERIES UA. REFER TO DETAIL 16/PD01.
6	HOLES FOR PIPES (WALL OR FLOOR) SHALL BE DONE WITH CORE DRILLING EQUIPMENT WITH PRIOR APPROVAL FROM THE STRUCTURAL ENGINEERS. CONTRACTOR SHALL INFORM THE ENGINEER IF REINFORCING IS CUT OR DAMAGED WHILE MAKING OPENINGS AS REQUIRED BY DRAWINGS OR SPECIFICATIONS. PATCH AND SEAL OPENINGS AS REQUIRED. COORDINATE ALL CUTTING AND PATCHING WITH OTHER TRADES.

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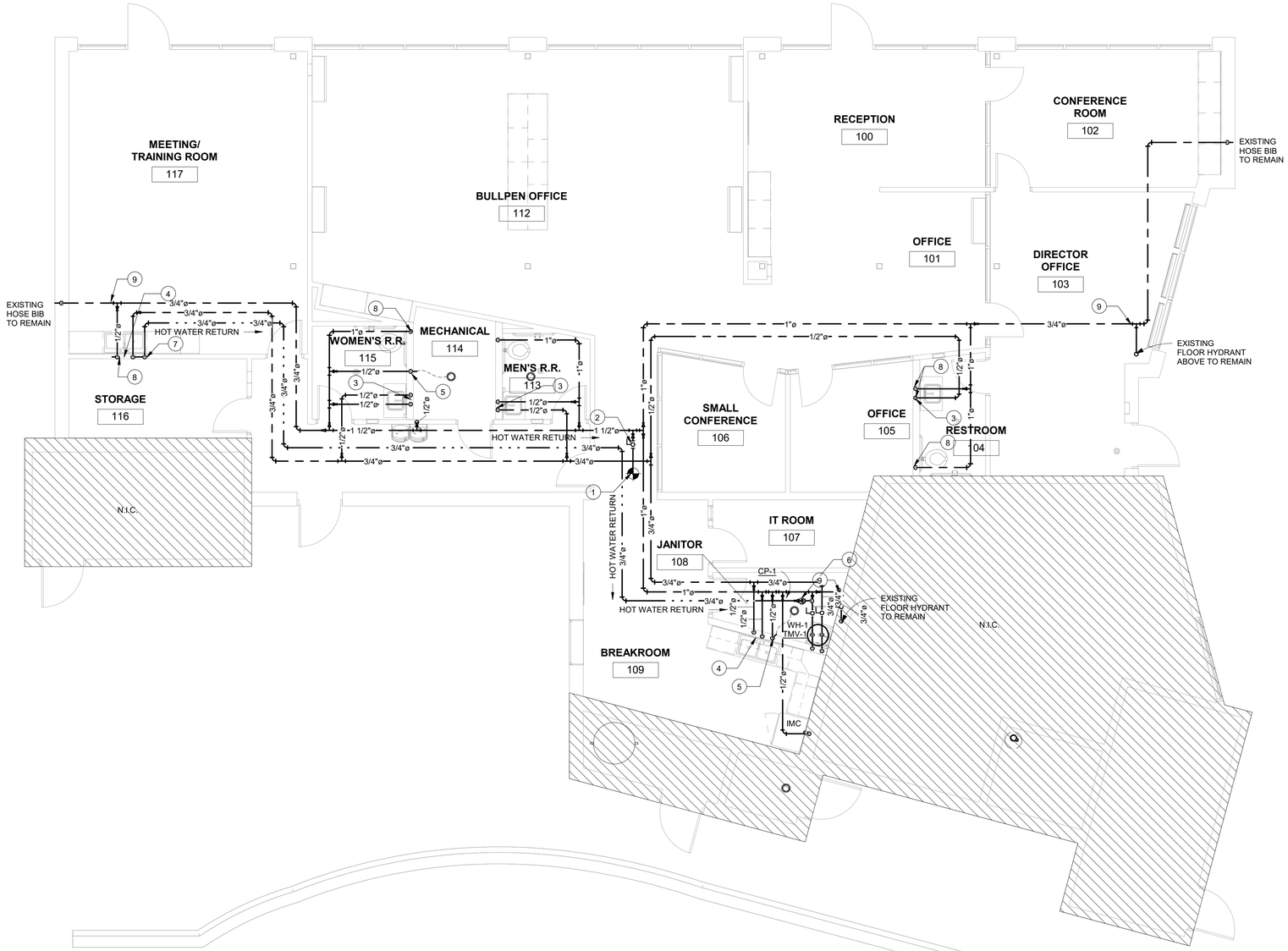

1 PLUMBING DOMESTIC WATER- FIRST FLOOR
3/16" = 1'-0"

PLUMBING KEYED NOTES	
1	CONNECT NEW 1 1/2" CW TO EXISTING CW OF EQUAL OR GREATER SIZE. VERIFY SIZE AND LOCATION OF EXISTING CW PRIOR TO CONSTRUCTION.
2	BRONZE CUT-OFF VALVE ABOVE CEILING. PROVIDE ACCESS PANEL WHERE LOCATED IN AN INACCESSIBLE CEILING. PANEL SHALL BE 12"X12" PAINTED TO MATCH CEILING.
3	PROVIDE THERMOSTATIC MIXING VALVE EQUAL TO WATSS LFMMV-US-M1, TO SERVE LAVATORY/LAVATORIES. SET TEMPERATURE PER LOCAL JURISDICTION REQUIREMENTS.
4	PROVIDE THERMOSTATIC MIXING VALVE EQUAL TO WATTS LFMMV-US-M1, TO SERVE SINK/SINKS. SET TEMPERATURE PER LOCAL JURISDICTION REQUIREMENTS.
5	PRESSURE DROP ACTIVATED TRAP PRIMER. PROVIDE ACCESS PANEL IF INACCESSIBLE. SEE DETAIL 07/PD01.
6	HOT WATER RECIRCULATING PUMP.
7	ROUTE RECIRCULATED HOT WATER LINE DOWN WALL. ROUTE MAXIMUM 2' LONG 1/2" BRANCH TO HOT WATER CONNECTION OF LAVATORY. CONTINUE 3/4" RECIRCULATED HOT WATER LINE BACK UP WALL.
8	WATER HAMMER ARRESTOR ABOVE CEILING. PROVIDE ACCESS PANEL WHERE LOCATED IN AN INACCESSIBLE CEILING. PANEL SHALL BE 12"x12" PAINTED TO MATCH CEILING.
9	RE CONNECT NEW 3/4" CW TO EXISTING CW OF EQUAL OR GREATER SIZE. VERIFY SIZE AND LOCATION OF EXISTING CW PRIOR TO CONSTRUCTION. CONTRACTOR SHALL PROVIDE BACKFLOW PREVENTER AND METER PER LOCAL JURISDICTION REQUIREMENTS.

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PP02

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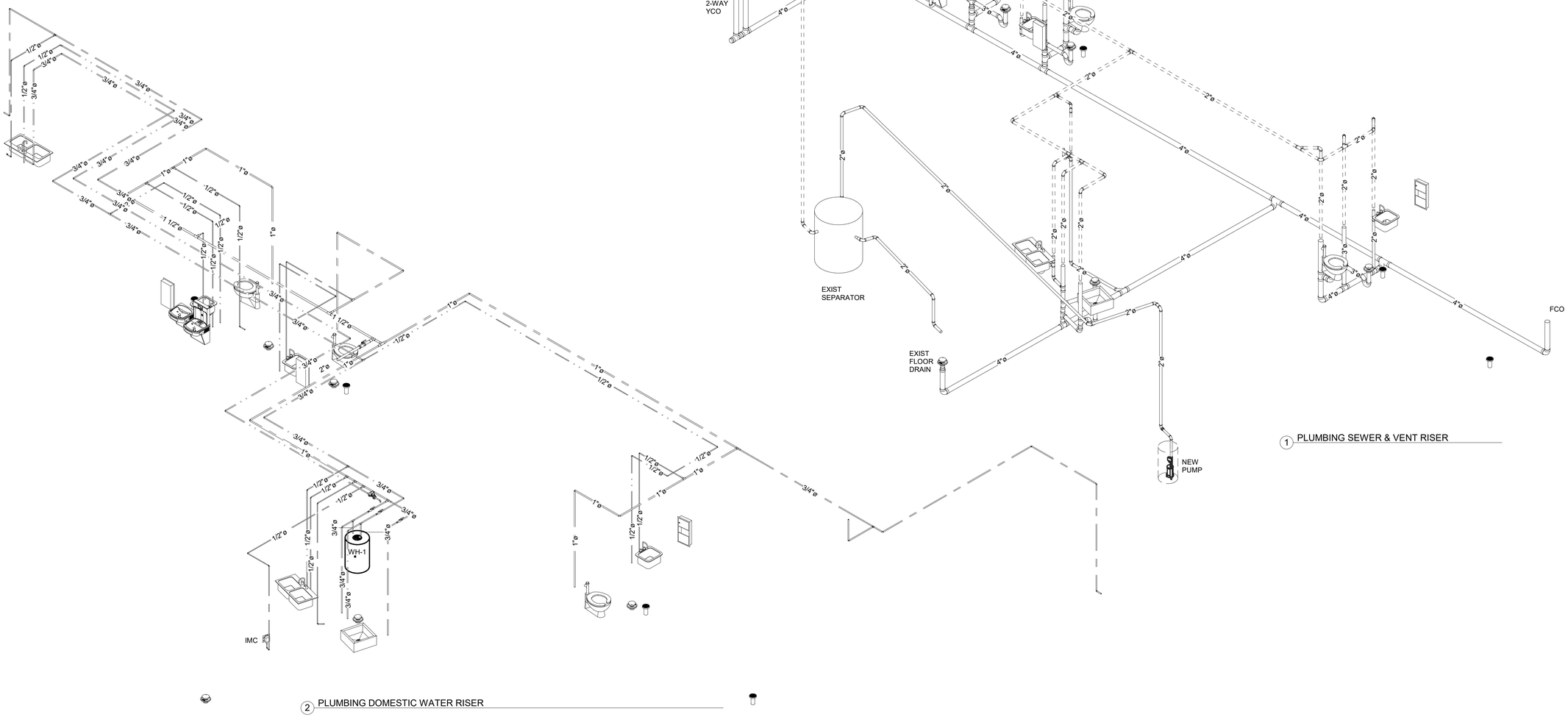

1 PLUMBING SEWER & VENT RISER

2 PLUMBING DOMESTIC WATER RISER

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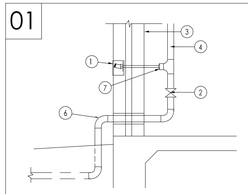
01



1. WALL HYDRANT - INSTALL LOW ENOUGH TO DRAIN RISER.
2. MAIN SHUT-OFF VALVE
3. WALL
4. TYPE "L" COPPER, WATER SUPPLY TO SYSTEM
5. SLEEVE
6. PROVIDE 1" ARMAFLEX INSULATION W/ METAL JACKET ON EXPOSED PIPING.
7. REDUCE PIPE ACCORDINGLY FOR SUPPLY TO HOSE BIBB

WATER SERVICE ENTRANCE DETAIL

NO SCALE

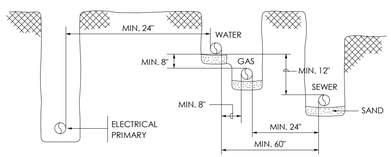
02

CLEAR TRENCH OF ALL ROCKS AND DEBRIS BEFORE ADDING SAND CUSHION.

COMPACT TRENCH FILL TO 95% PROCTOR DENSITY.

MAINTAIN A MINIMUM OF 60 INCHES UNDISTURBED EARTH BETWEEN PARALLEL WATER AND SEWER LINES OR SUPPORT WATER LINE ON SEPARATE SHELF A MINIMUM OF 12" ABOVE SEWER LINE.

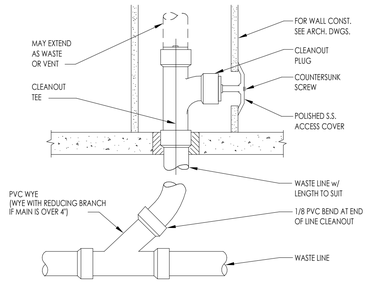
MAINTAIN A MINIMUM OF 24" HORIZONTALLY BETWEEN ELECTRICAL PRIMARY AND SEWER. MAINTAIN A MINIM OF 12" VERTICALLY OR 24" HORIZONTALLY BETWEEN ELECTRICAL PRIMARY AND WATER LINES, GAS LINES, TELEPHONE RACEWAYS AND CABLE RACEWAYS.



TRENCHING DETAIL

NO SCALE

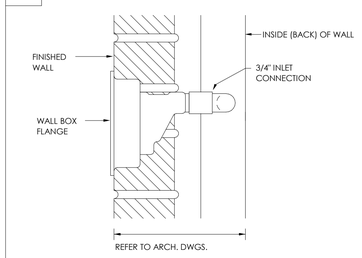
03



WALL CLEANOUT DETAIL

NO SCALE

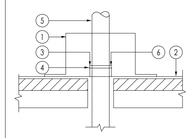
04



WALL HYDRANT DETAIL

NO SCALE

05

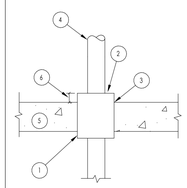


1. PREFABRICATED ROOF CURB, FURNISHED & INSTALLED BY ROOFING CONTR. (COORDINATE)
2. METAL ROOFING
3. STAINLESS STEEL CLAMP
4. SLEEVE PIPE BY ROOFING CONTR.
5. VTR - USE CAST IRON WHERE CEILING IS PLENUM SPACE.
6. PROVIDE CAULKING GROVE
7. LOCATE MIN. 10'-0" FROM A/C AIR INTAKES

VENT THRU ROOF DETAIL

NO SCALE

06

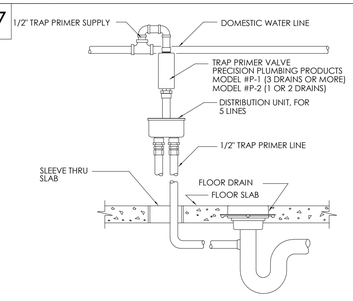


1. METAL SLEEVE TWO SIZES LARGER THAN PIPE
2. FILL VOID WITH NON-SHRINKING WATERPROOF, VERMIN PROOF MATERIAL
3. ALL PLUMBING PIPE PENETRATIONS THROUGH GROUND FLOOR, AND GRADE BEAMS SHALL BE SLEEVED
4. PIPE
5. CONCRETE SLAB
6. MINIMUM 2"

FLOOR PENETRATION DETAIL

NO SCALE

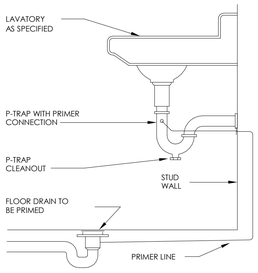
07



TRAP SEAL PRIMER DETAIL

NO SCALE

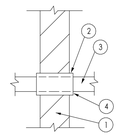
08



TRAP SEAL PRIMER INSTALLATION DETAIL

NO SCALE

09

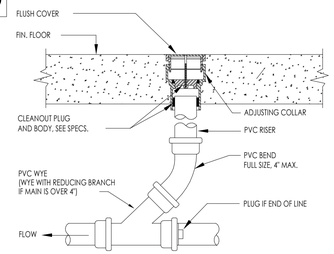


1. MASONRY WALL
2. GALVANIZED SCHEDULE 40 STEEL OR COPPER SLEEVE, SIZE TO BE MINIMUM 3/8" LARGER IN DIAMETER THAN PIPE AND INSULATION.
3. PLUMBING PIPE (RELIER LINES, DOMESTIC WATER, AIR, AND GAS PIPING).
4. FILL VOID WITH MINERAL WOOL AND CAULK VERMIN TIGHT.

WALL SLEEVE DETAIL

NO SCALE

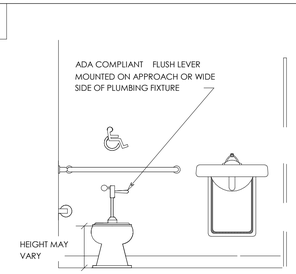
10



FLOOR CLEANOUT DETAIL

NO SCALE

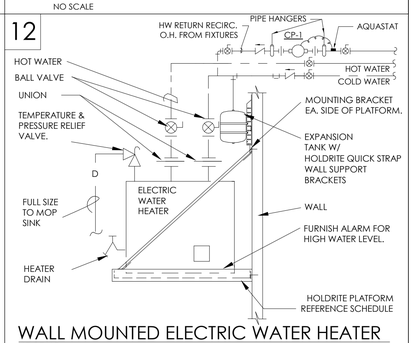
11



ADA WATER CLOSET DETAIL

NO SCALE

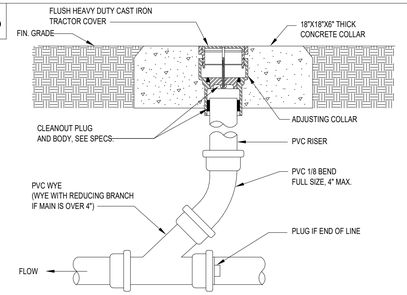
12



WALL MOUNTED ELECTRIC WATER HEATER

NO SCALE

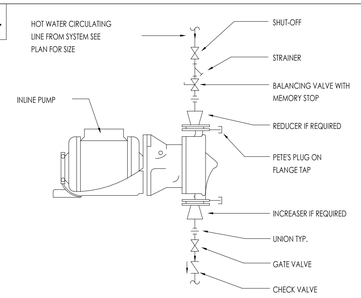
13



YARD CLEANOUT DETAIL

NO SCALE

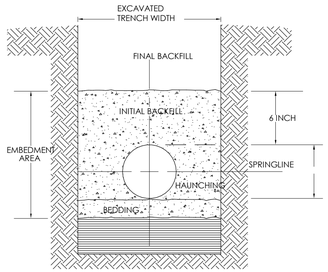
14



INLINE CIRCULATING PUMP DETAIL

NO SCALE

15



UNDERGROUND INSTALLATION OF PLASTIC PIPE

PLASTIC PIPE SHOULD ALWAYS BE BURIED IN STRICT ACCORDANCE WITH THE ASTM STANDARD RELEVANT TO
THE TYPE OF PLASTIC PIPING SYSTEM BEING INSTALLED. THOSE STANDARDS ARE:

ASTM D2321 STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY-FLOW APPLICATIONS.

ASTM D2774 STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PRESSURE PIPING.

NOTE: IN ADDITION TO THESE STANDARDS, PIPE SHOULD ALWAYS BE INSTALLED IN ACCORDANCE WITH ALL LOCAL CODE REQUIREMENTS.

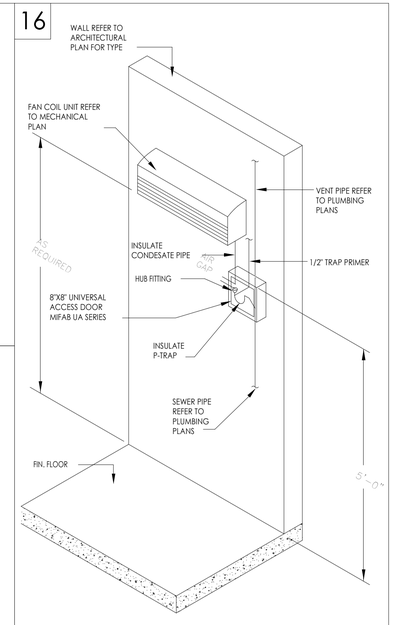
RECOMMENDATIONS FOR UNDERGROUND INSTALLATION OF PLASTIC DRAINAGE PIPE:

1. THE MINIMUM WIDTH OF THE TRENCH SHOULD BE THE PIPE OD (OUTSIDE DIAMETER) PLUS 16 INCHES OR THE PIPE OUTSIDE DIAMETER TIMES 1.25 PLUS 12 INCHES. THIS WILL ALLOW ADEQUATE ROOM FOR JOINING THE PIPE, SNAKING THE PIPE IN THE TRENCH TO ALLOW FOR EXPANSION AND CONTRACTION WHERE APPROPRIATE, AND SPACE FOR BACKFILLING AND COMPACTION OF BACKFILL. THE SPACE BETWEEN THE PIPE AND TRENCH WALL MUST BE WIDER THAN THE COMPACTION EQUIPMENT USED TO COMPACT THE BACKFILL.
2. PROVIDE A MINIMUM OF 4 INCHES OF FIRM, STABLE AND UNIFORM BEDDING MATERIAL IN THE TRENCH BOTTOM. IF ROCK OR UNYIELDING MATERIAL IS ENCOUNTERED, A MINIMUM OF 6 INCHES OF BEDDING SHALL BE USED. BLOCKING SHOULD NOT BE USED TO CHANGE PIPE GRADE OR TO INTERMITTENTLY SUPPORT PIPE OVER LOW SECTIONS IN THE TRENCH.
3. THE PIPE SHOULD BE SURROUNDED WITH AN AGGREGATE MATERIAL WHICH CAN BE EASILY WORKED AROUND THE SIDES OF THE PIPE. BACKFILLING SHOULD BE PERFORMED IN LAYERS OF 6 INCHES WITH EACH LAYER BEING SUFFICIENTLY COMPACTED TO 85% TO 95% COMPACTION. A MECHANICAL TAMPER IS RECOMMENDED FOR COMPACTING SAND AND GRAVEL. THESE MATERIALS CONTAIN FINE-GRAINS, SUCH AS SILT AND CLAY. IF A TAMPER IS NOT AVAILABLE, COMPACTING SHOULD BE DONE BY HAND.
4. THE TRENCH SHOULD BE COMPLETELY FILLED. THE BACKFILL SHOULD BE PLACED AND SPREAD IN UNIFORM LAYERS TO PREVENT ANY UNFILLED SPACES OR VOIDS. LARGE ROCKS, STONES, FROZEN CLODS, OR OTHER LARGE DEBRIS SHOULD BE REMOVED. STONE BACKFILL SHALL PASS THROUGH AN 1-1/2" SIEVE. ROCK SIZE SHOULD BE ABOUTONE-TENTH OF THE PIPE OUTSIDE DIAMETER. HEAVY TAMPERS OR ROLLING EQUIPMENT SHOULD ONLY BE USED TO CONSOLIDATE THE FINAL BACKFILL.
5. TO PREVENT DAMAGE TO THE PIPE AND DISTURBANCE TO PIPE EMBEDMENT, A MINIMUM DEPTH OF BACKFILL ABOVE THE PIPE SHOULD BE MAINTAINED. PIPE SHOULD ALWAYS BE INSTALLED BELOW THE FROST LEVEL. TYPICALLY, IT IS NOT ADVISABLE TO ALLOW VEHICULAR TRAFFIC OR HEAVY CONSTRUCTION EQUIPMENT TO TRAVERSE THE PIPE TRENCH.

UNDERGROUND INSTALLATION DETAIL OF PLASTIC PIPING SYSTEMS

NO SCALE

16



CONDENSATE DRAIN DETAIL

NO SCALE

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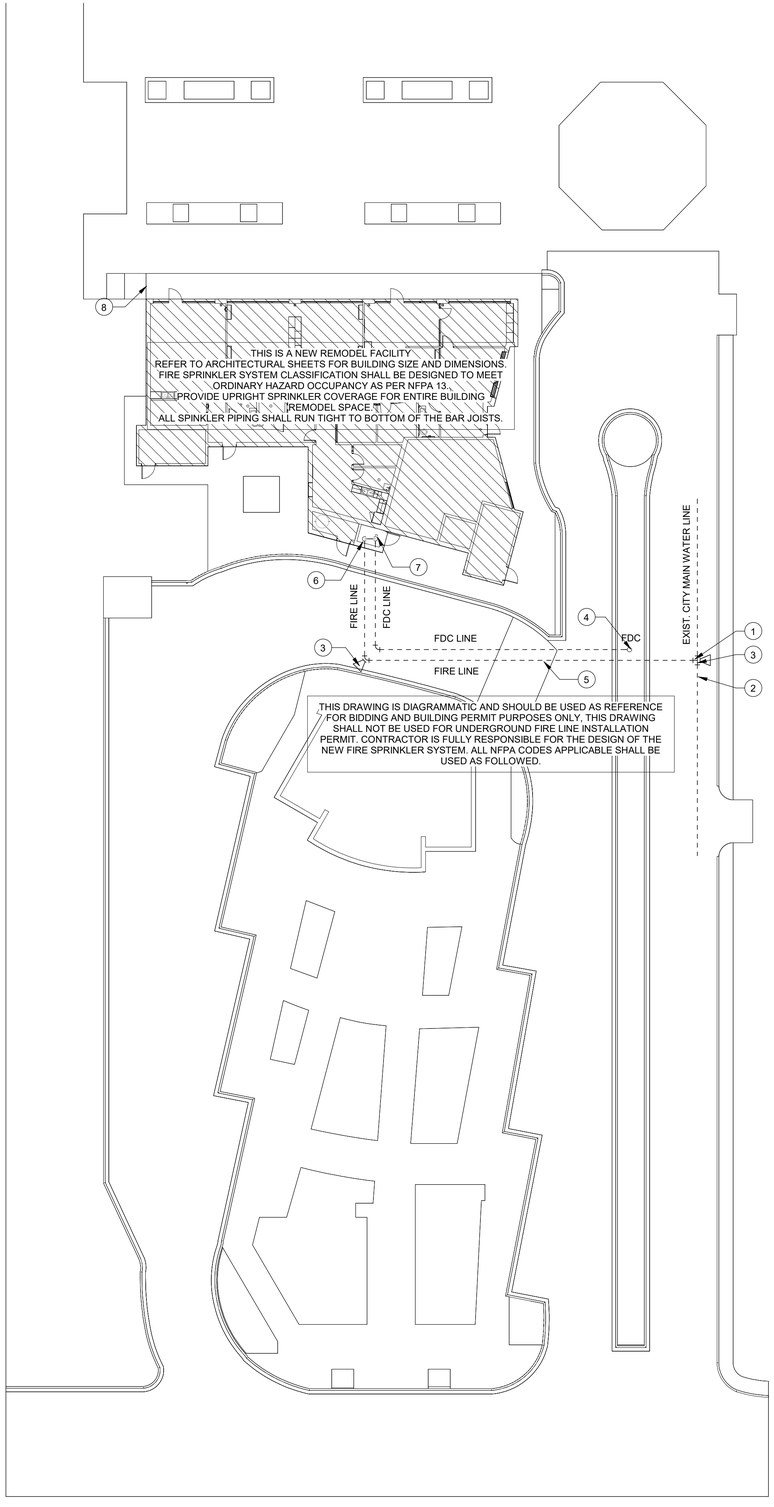
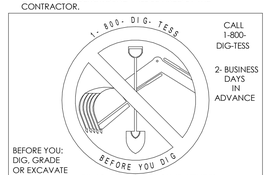


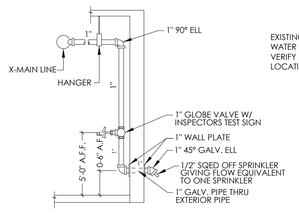
1 FIRE PROTECTION SITE PLAN
1" = 20'-0"

GENERAL NOTES: FIRE PROTECTION

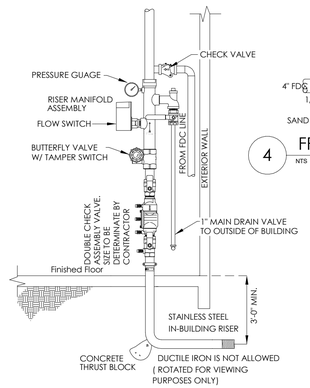
A. SYSTEM TO BE DESIGNED TO MEET CITY OF EDINBURG AND FIRE MARSHAL CODES. FIRE MARSHAL TO BE THE FINAL APPROVING AUTHORITY FOR ALL FIRE PROTECTION WORK.
B. FIRE DEPARTMENT CONNECTION SHALL BE AS REQUIRED BY LOCAL FIRE MARSHAL.
C. ALL PIPE TO BE SIZED HYDRAULICALLY.
D. ALL PIPING UNDER SLAB SHALL BE STAINLESS STEEL. ELSE USE DUCTILE IRON. VERIFY WITH LOCAL APPROVING AUTHORITY.
E. DETAILS DESCRIBE SOME SPRINKLER COMPONENTS REQUIRED BY A AUTOMATICALLY OPERATED SYSTEM. SPRINKLER CONTRACTOR TO PROVIDE ALL SYSTEM COMPONENTS REQUIRED FOR A TURN KEY FIRE SPRINKLER SYSTEM.
F. PROVIDE SIGNS FOR FDC, ALL VALVES, AND RISER.
G. HAZARD CLASSIFICATION SHALL BE AS PER NFPA 13.
H. ALL UNDERGROUND PIPE TO BE DR-18 C900 AND TO BE INSTALLED AS PER NFPA 24.
I. ALL PIPE LEFT WITH TRAP WATER NEEDS TO BE PROVIDED W/ A DRAIN VALVE.
J. REFER TO SPECIFICATIONS FOR FURTHER INSTRUCTIONS.
K. ANY PROPOSED DCDA FOR THE PROJECT WILL REQUIRE PERMIT FROM HARLINGEN WATER WORKS SYSTEM (HWWS).
L. ALL EXPOSED PIPE TO BE PROTECTED AGAINST FREEZING AS PER NFPA 13.
M. SEAL ALL WALL OPENINGS W/ MORTAR OR FIRE CAULKING.
N. NO FIRE SPRINKLER PIPING TO RUN OVER ELECTRICAL EQUIPMENT. IT ROOM AND ANY OTHER SYSTEM THAT MAY BE DAMAGED FROM WATER LEAK.

NOTE: CARE SHALL BE TAKEN DURING DIGGING. ALL LINES DAMAGED UNDERGROUND WILL BE FIXED BY THE CONTRACTOR.





3 INSPECTOR'S TEST DETAIL
NTS

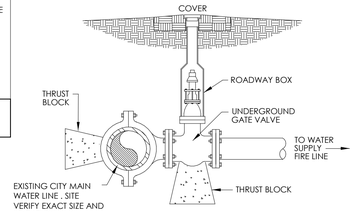


5 RISER ROOM DETAIL
NTS

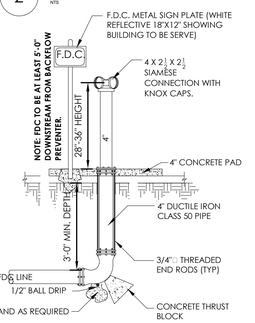
FIRE PROTECTION KEYED NOTES	
1	FIRE SPRINKLER LINE TO CONNECT TO EXISTING CITY WATER LINE. SEE DETAIL 2/FP01.
2	EXISTING CITY WATER LINE. SEE CIVIL PLANS TO VERIFY EXACT SIZE AND LOCATION.
3	3000 PSI CONCRETE THRUST BLOCK AT EVERY CHANGE IN DIRECTION AS PER NFPA24.
4	PLACE F.D.C. IN THIS LOCATION. COORDINATE EXACT LOCATION WITH A.H.J. PROVIDE SIGN WITH BUILDING IT SERVES. SEE DETAIL 4/FP01.
5	RUN FIRE MAIN AND FDC LINES BETWEEN 3 AND 4 FEET DEEP. PROVIDE 4 INCHES OF SAND UNDER PIPE. COVER ALL PIPE AND LEAVE JOINTS EXPOSED FOR ENGINEER AND FIRE DEPARTMENT INSPECTION.
6	FIRE SPRINKLER SYSTEM RISER SHALL BE PLACED IN THIS ROOM. SEE DETAIL 4/FP01.
7	DROP F.D.C. LINE DOWN AND PROVIDE STAINLESS STEEL RISER AT FLOOR PENETRATION.
8	PROVIDE INSPECTOR TEST. CONTRACTOR COORDINATE EXACT LOCATION. SEE DETAIL 3/FP01.

THIS DRAWING IS DIAGRAMMATIC AND SHOULD BE USED AS REFERENCE FOR BIDDING PURPOSES ONLY. THIS DRAWING SHALL NOT BE USE FOR PERMIT OR CONSTRUCTION.

CONTRACTOR IS FULLY RESPONSIBLE FOR THE DESIGN OF THE NEW FIRE SPRINKLER SYSTEM. ALL NFPA CODES APPLICABLE SHALL BE USED AND FOLLOWED.



2 TAPPING SLEEVE DETAIL
NTS



4 FREE STANDING F.D.C. DETAIL
NTS

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Texas Registered Engineering Firm - F10362
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MILNET
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STATE OF TEXAS
LEONARDO MUÑOZ
03-05-25

TRANSIT TERMINAL INTERIOR BUILD-OUT
EDINBURG ECONOMIC DEVELOPMENT CORPORATION
617 UNIVERSITY DR. EDINBURG, TEXAS 78539

PROJECT NUMBER
224004

DATE
03-05-25

CONSTRUCTION DOCUMENTS

REVISIONS

No.	Description	Date

SHEET NUMBER
FP01