



Endeavor Health Services

1131 Broadway
Buffalo, NY

S.A. PROJECT # 14121.01
DATE: 05-22-2018

ARCHITECT:

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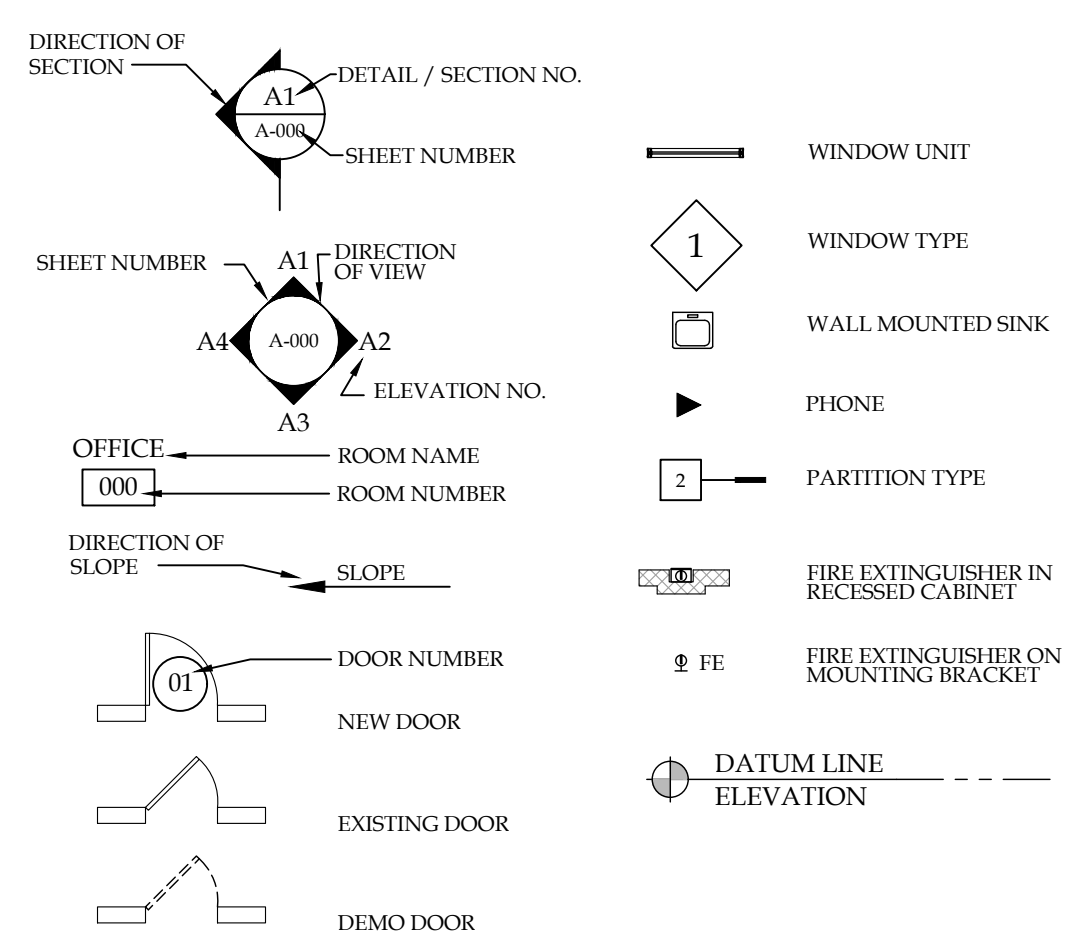
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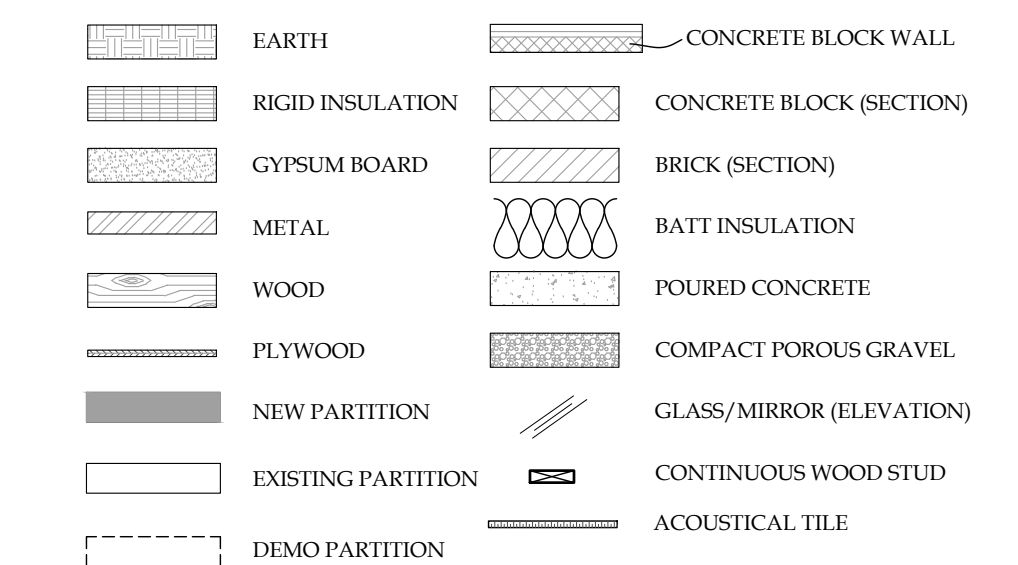
ABBREVIATIONS

A.F.F.	ABOVE FINISH FLOOR	N.I.C.	NOT IN CONTRACT
ACT.	ACOUSTICAL TILE	N.T.S.	NOT TO SCALE
A.C.	AIR CONDITION	NOM.	NOMINAL
ALT.	ALTERNATE	NO.	NUMBER
ALUM.	ALUMINUM		
APPROX.	APPROXIMATE	O.C.	ON CENTER
ARCH.	ARCHITECTURAL	OPNG.	OPENING
AUTO.	AUTOMATIC	OPPH.	OPPOSITE HAND
		OH	OVERHEAD
BM.	BEAM		
BRG.	BRICK	P.M.B.C.	PREENGINEERED METAL BUILDING CONTRACTOR
B.M.L.	BENCH MARK	PNT.	PART (ED)
BLK.	BLOCK	PNL.	PANEL
BLDG.	BUILDING	P.L.D.	PAPER TOWEL DISPENSER
BD.	BOARD	P.T.R.	PAPER TOWEL RECEPTOR
BDT.	BOTTOM	P.V.M.T.	PAVEMENT
BRK.	BRICK	P.C. BD.	PLASTER BOARD
B.E.J.	BRICK EXPANSION JOINT	PLAS.	PLASTER
B.C.J.	BRICK COURSE	P.L.A.M.	PLASTIC LAMINATE
BLDG.	BUILDING	PL.	PLATE
BRK.	BUILDUP ROOFING	P.L.W.	POLISHED
		P.W.D.	PLYWOOD
C.I.G.	CEILING	PT.	POINT
CAB.	CABINET	P.S.I.	POUNDS PER SQ. INCH
C.P.T.	CARPET	P.S.F.	POUNDS PER SQ. FOOT
C.W.	CASEWORK	P.F.	POWER PANEL
C.B.	CATCH BASIN	P.F.A.B.	PREFABRICATED
C.E.M.	CEMENT	P.P.	PREFINISHED
CT.	CERAMIC TILE	P.P.F.	PROPERTY LINE
CTB.	CHALK BOARD		
CL.	CLAMP		
COL.	COLUMN		
CONC.	CONCRETE		
C.M.U.	CONCRETE MASONRY UNIT		
CONT.	CONTINUED		
CONTR.	CONTRACTOR		
C.J.	CORNER JOINT	QT.	QUARRY TILE
C.G.	CORNER GUARD		
CRS.	COURSE		
DET.	DETAIL	RAD.	RADIUS
DIA.	DIAMETER	R.W.L.	RAIN WATER LEADER
DIM.	DIMENSION	RECT.	RECEPTACLE, ELECTRIC
DISP.	DISPENSER	RECS.	RECESS
DN.	DOWN	REFR.	REFRIGERATOR
DN.	DOWN	REG.	REGISTER
DWG.	DRAWING	REINFC.	REINFORCE (D) (ING)
D.F.	DRINKING FOUNTAIN	REQ'D.	REQUIRED
DIFF.	DIFFUSER	RES.	RECESS (ED)
		R.C.P.	REFLECTED CEILING PLAN
		RET.	RETURN
		R.V.S.	RETURN AIR
EA.	EACH	REV.	REVISION
E.I.F.S.	EXTERIOR INSULATION & FINISH SYSTEM	R.H.	RIGHT HAND
ELEC.	ELECTRICAL	R.O.W.	RIGHT OF WAY
EPNL.	ELECTRICAL PANEL	R.	RISER
EL.	ELEVATOR	R.D.	ROOF DRAIN
ELEV.	ELEVATION	RFG.	ROOFING
EQ.	EQUAL	RM.	ROOM
EX.	EXHAUST FAN	RND.	ROUND
EXIST.	EXISTING		
EXP. JT.	EXPANSION JOINT		
		SDL.	SADDLE
FB.	FACE BRICK	SEAT.	SEATING
FIN.	FINISH (ED)	SHIT.	SHEET
F.A.	FIRE ALARM	SHR.	SPOKER
F.H.C.	FIRE EXTINGUISHER CABINET	SIM.	SIMILAR
F.H.C.	FIRE HOSE CABINET	SPKR.	SPEAKER
F.P.	FIRE PROOFING	SPEC.	SPECIFICATIONS
FL.	FLOOR	SQ.	SQUARE
F.D.	FLOOR DRAIN	SSI.	STAINLESS STEEL
FT.	FOOT	ST.	STANDARD
F.W.C.	FACE WALL COVERING	SD.	STORM DRAIN
FTC.	FOOTING	S.G.T.	STRUCTURAL GLAZED TILE
FTN.	FOUNDATION	STRUC.	STRUCTURAL
FUR.	FURRING	SUSP.	SUSPENDED
		SW.	SWITCH
		SWBD.	SWITCH BOARD
		SV.	SHEET VINYL
		T.B.	TACKBOARD
		TEL.	TELEPHONE
		TEMP.	TEMPERATURE
		TEX.	TEXTURE
		THK.	THICK (NESS)
		THR.	THRESHOLD
		TP.	TOILET PAPER HOLDER
		T/O.	TOP OF
		TB.	TOWEL BAR
		TYP.	TYPICAL
INSUL.	INSULATE (D) (ION)	U.C.L.	UNDER CABINET LIGHT
INS. GL.	INSULATED GLASS	U.C.	UNDERCUT
INV.	INVERT	UR.	URN
JAN.	JANITOR	V.T.R.	VENT THRU ROOF
JT.	JOINT	VENT.	VENTILATOR
		VERT.	VERTICAL
KIT.	KITCHEN	VEST.	VESTIBULE
KO.	KNOCK OUT	V.C.T.	VINYL COMPOSITE TILE
		V.I.F.	VERIFY IN FIELD
		V.W.C.	VINYL WALL COVERING
LAM.	LAMINATED		
LAV.	LAVATORY	WSCT.	WAINSCOT
LH.	LEFT HAND	WS.	WEATHER STRIP
LG.	LENGTH	WT.	WEIGHT
LG.	LENGTH	W.W.	WELDED WIRE FABRIC
LT.	LIGHT	W.C.D.F.	WHEELCHAIR DRINKING FOUNTAIN
		W.	WITH
L.F.	LINEAR FEET	W/O.	WITHOUT
LTL.	LINEAL	WD.	WOOD
LL.	LINE LOAD		
LLH.	LONG LEG HORIZONTAL		
LLV.	LONG LEG VERTICAL		
L.M.F.	LIGHT GAUGE METAL FRAMING		
LVR.	LOUVER		
L.P.	LOW POINT		
MACH.	MACHINE		
M.H.	MANHOLE		
MFR.	MANUFACTURE		
MAS.	MASONRY		
M.O.	MASONRY OPENING		
MATL.	MATERIAL		
MAX.	MAXIMUM		
MECH.	MECHANICAL		
MEMB.	MEMBRANE		
MET.	METAL		
M.T.P.	METAL TOILET PARTITION		
MIN.	MINIMUM		
MISC.	MISCELLANEOUS		
MULL.	MULLION		

DRAFTING SYMBOLS



MATERIAL SYMBOLS



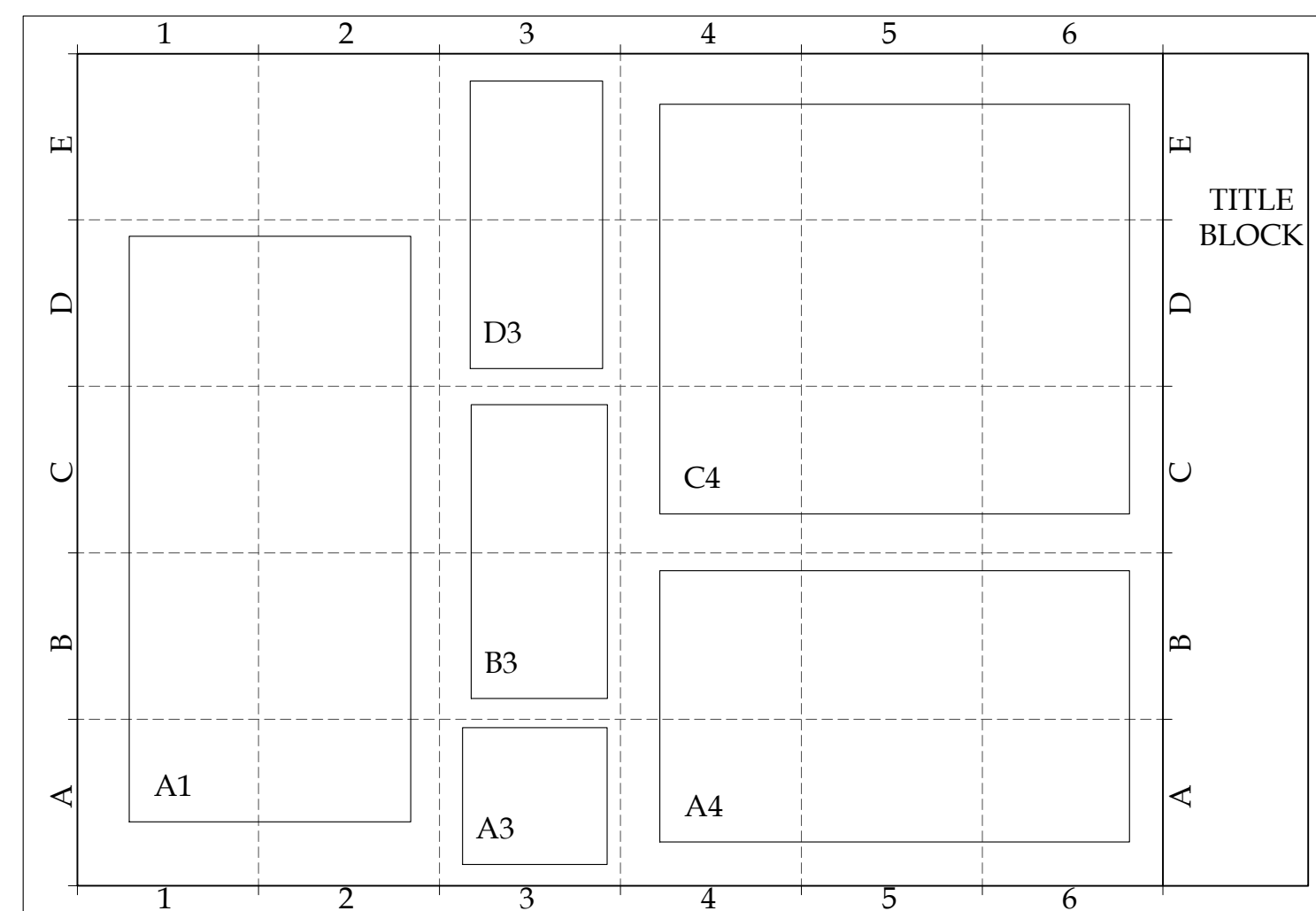
BUILDING DATA

OCCUPANCY CLASSIFICATION: B
CONSTRUCTION TYPE: IIB
TOTAL WORK AREA: 792 SF

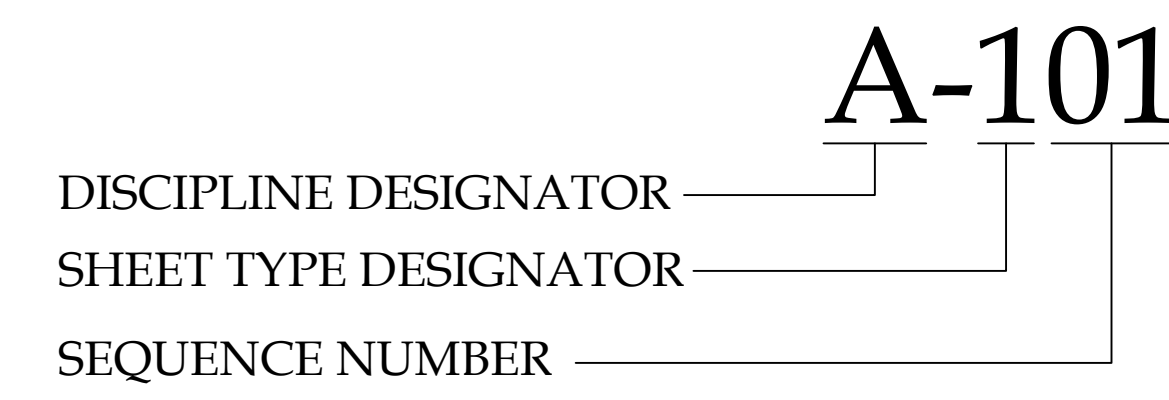
ISSUE

2018-05-22: BID/PERMIT SET

DRAWING AREA LOGIC



SHEET IDENTIFICATION LOGIC



DISCIPLINE DESIGNATOR SHEET TYPE DESIGNATOR

G	GENERAL	0	GENERAL
C	CIVIL	1	PLANS
L	LANDSCAPE	2	ELEVATIONS
S	STRUCTURAL	3	SECTIONS
A	ARCHITECTURAL	4	LARGE SCALE VIEWS
F	FIRE PROTECTION	5	DETAILS
P	PLUMBING	6	SCHEDULES & DIAGRAMS
M	MECHANICAL		
E	ELECTRICAL		

Endeavor Health Services

1131 Broadway
Buffalo, NY

INTERIORS: N. Catuzza

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S. Hunt

JOB CAPTAIN:

PROJ. ARCHITECT:

P. Silvestri

SA PROJECT TEAM:

PRINCIPAL:

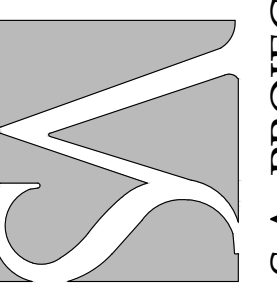
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GENERAL DEMOLITION NOTES

- IN GENERAL, ITEMS TO BE REMOVED ARE SHOWN DASHED. THE CONTRACTOR WILL BE REQUIRED TO REMOVE ALL ITEMS INDICATED, IMPLIED OR OTHERWISE NECESSARY TO ALLOW FOR NEW CONSTRUCTION. CONTRACTOR TO VERIFY IN FIELD ANY ADDITIONAL DEMOLITION REQUIRED TO PREPARE AREA FOR NEW CONSTRUCTION PER PLANS.
- COORDINATE ALL NEW OPENINGS WITH ARCHITECTURAL DRAWINGS.
- CONTRACTOR TO PROTECT ALL EXISTING FINISHES SCHEDULED TO REMAIN DURING CONSTRUCTION AND REPLACE DAMAGED FINISHES AS NECESSARY.
- THE CONTRACTOR IS TO VERIFY ALL EXISTING CONDITIONS PRIOR TO STARTING DEMOLITION OR CONSTRUCTION AND IS TO REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING.
- THE CONTRACTOR IS RESPONSIBLE FOR THE LEGAL DISPOSAL OF ALL DEMOLISHED ITEMS FROM THE SITE. ALL DEMOLISHED ITEMS TO BE DISPOSED OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.
- PATCH AND REPAIR EXISTING SURFACES DAMAGED BY DEMOLITION. ALL REPAIR WORK SHALL MATCH EXISTING ADJACENT MATERIALS AND METHODS.
- ALL EXISTING SURFACES LEFT EXPOSED AFTER DEMOLITION SHALL BE PROTECTED AND SAFEGUARDED FROM EXPOSURE FROM WEATHER AND OR DAMAGE FROM CONSTRUCTION DURING CONSTRUCTION.
- REMOVE AND DISPOSE OF EXISTING FLOOR FINISHES WHERE APPLICABLE. PREPARE UNDERLYING SURFACES TO ACCEPT NEW CONSTRUCTION AND FINISHES
- IF ANY WASTE MATERIALS ENCOUNTERED DURING THE DEMOLITION OR CONSTRUCTION PHASE ARE FOUND TO CONTAIN LEAD, ASBESTOS, POLYCHLORINATED BIPHENYL (PCBS) (SUCH AS FLUORESCENT LAMP BALLASTS), OR OTHER HARMFUL SUBSTANCES, THEY SHALL BE HANDLED AND REMOVED IN ACCORDANCE WITH FEDERAL AND STATE LAWS AND REQUIREMENTS CONCERNING HAZARDOUS WASTE.

DEMOLITION NOTES

1. REMOVE EXIST. WALL; PATCH/REPAIR ADJACENT WALL AS REQ'D. PREPARE ANY ELECTRICAL OUTLETS, EMERGENCY LIGHTING, THERMOSTATS, SWITCHES, ETC... FOR RELOCATION OR TERMINATION AS REQ'D
2. REMOVE PORTION OF EXISTING WALL, PREPARE FOR NEW 3'-0"x7'-0" OPENING.
3. REMOVE EXIST. DOOR/WINDOW, FRAME, & ASSOCIATED HARDWARE IN IT'S ENTIRETY. COORDINATE ANY SALVAGE OF DOORS WITH OWNER.
4. REMOVE EXIST. FLOORING, BASE AND ANY ADHESIVES. PREP SUBFLOOR TO RECEIVE NEW FLOORING PER FINISH PLAN.
5. REMOVE EXISTING CEILING GRID AND ACOUSTICAL CEILING TILE. DISCONNECT & REMOVE ALL ELECTRICAL DEVICES INCLUDING SUSPENDED LIGHT FIXTURES & IT'S ENTIRETY. COORDINATE SALVAGE WITH OWNER.
6. REMOVE EXISTING WALL FURRING AT WINDOWS.
7. REMOVE EXISTING CEILING TILE ONLY. EXISTING GRID TO BE MODIFIED PER NEW PLAN.
8. REMOVE EXIST. DOOR, FRAME, & ASSOCIATED HARDWARE IN IT'S ENTIRETY. RELOCATE DOOR TO LOCATION SHOWN ON DOOR SCHEDULE..

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Endeavor Health Services

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Buffalo, NY

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05-22-18: ISSUED FOR BID/PERMIT

SA PROJECT TEAM: PRINCIPAL P. Silvestri
PROJ. ARCH. _____ DRAFTER _____
JOB CAPT. _____ INTERIORS _____

SEAL:

TITLE:
DEMOLITION PLAN

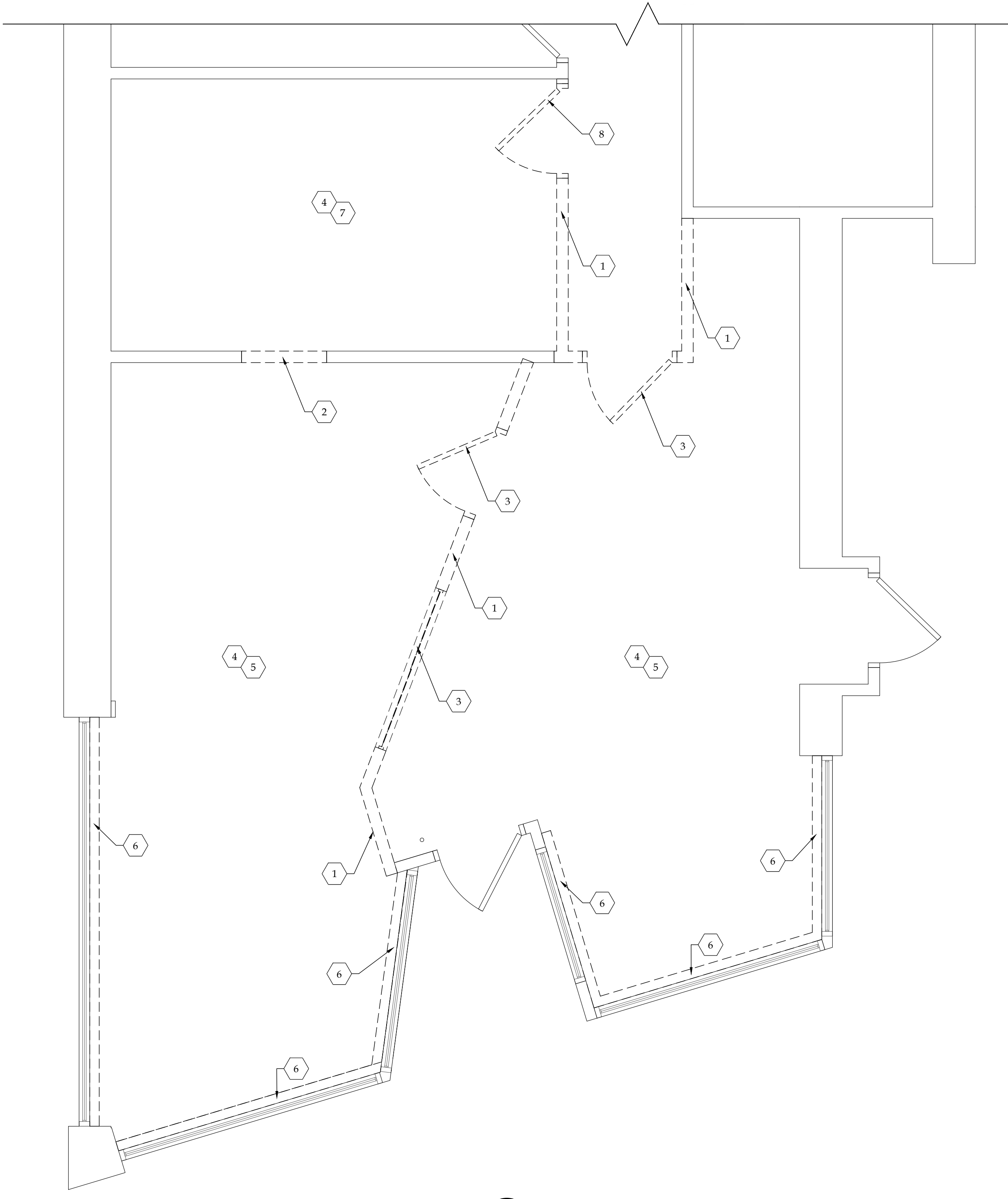


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ARCHITECTS • PC

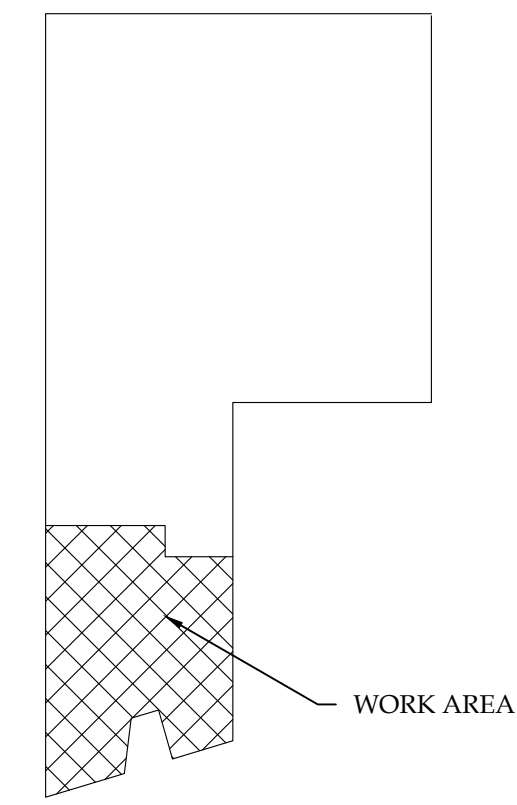
1321 MILLERSPORT HWY PH. 716.691.0900
AMHERST, NY 14221 FAX 716.691.4773

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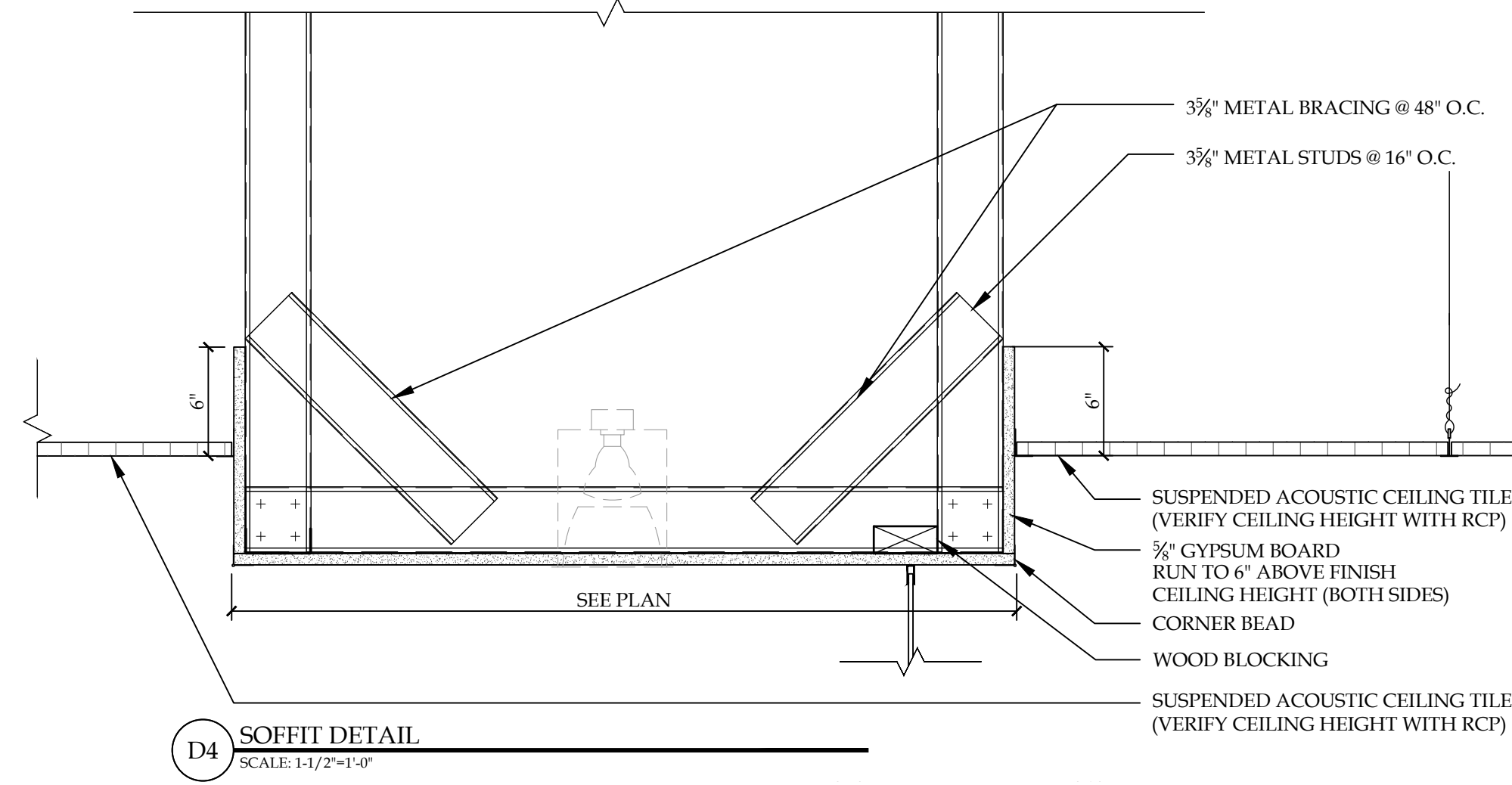
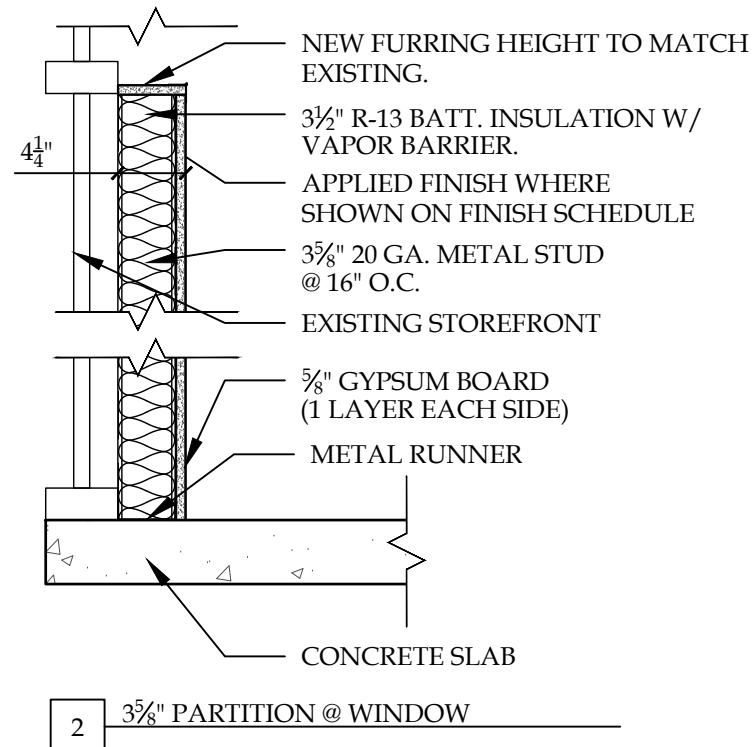
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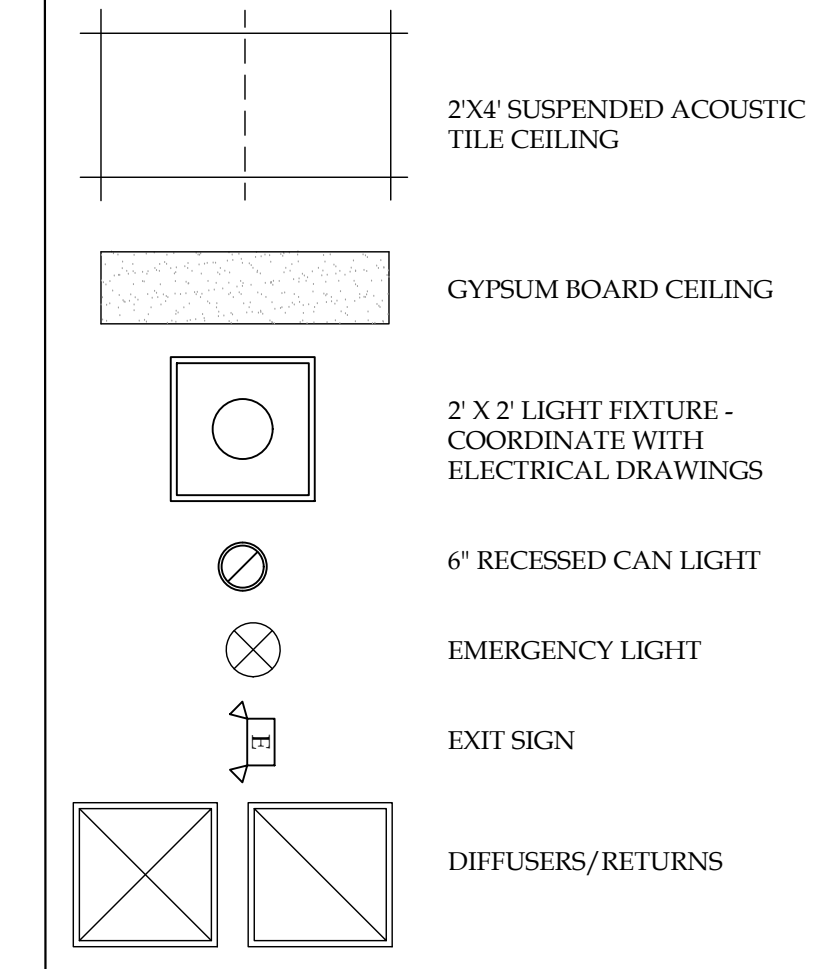
A1 DEMOLITION PLAN
SCALE: 3/8" = 1'-0"



KEY PLAN
SCALE: NTS

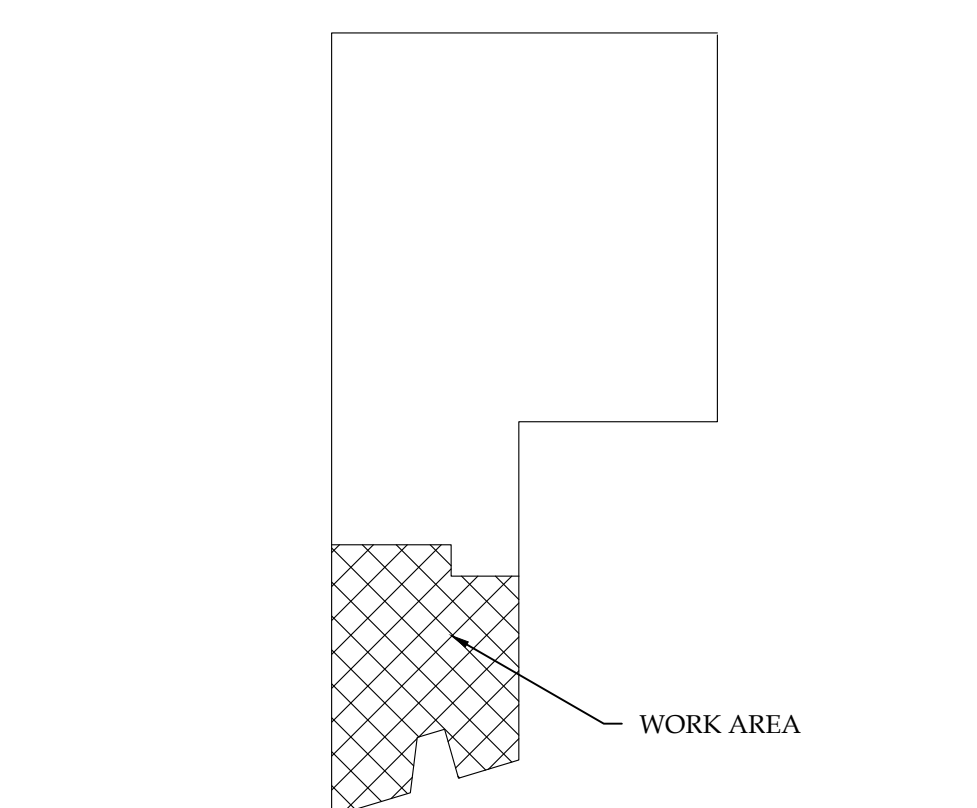
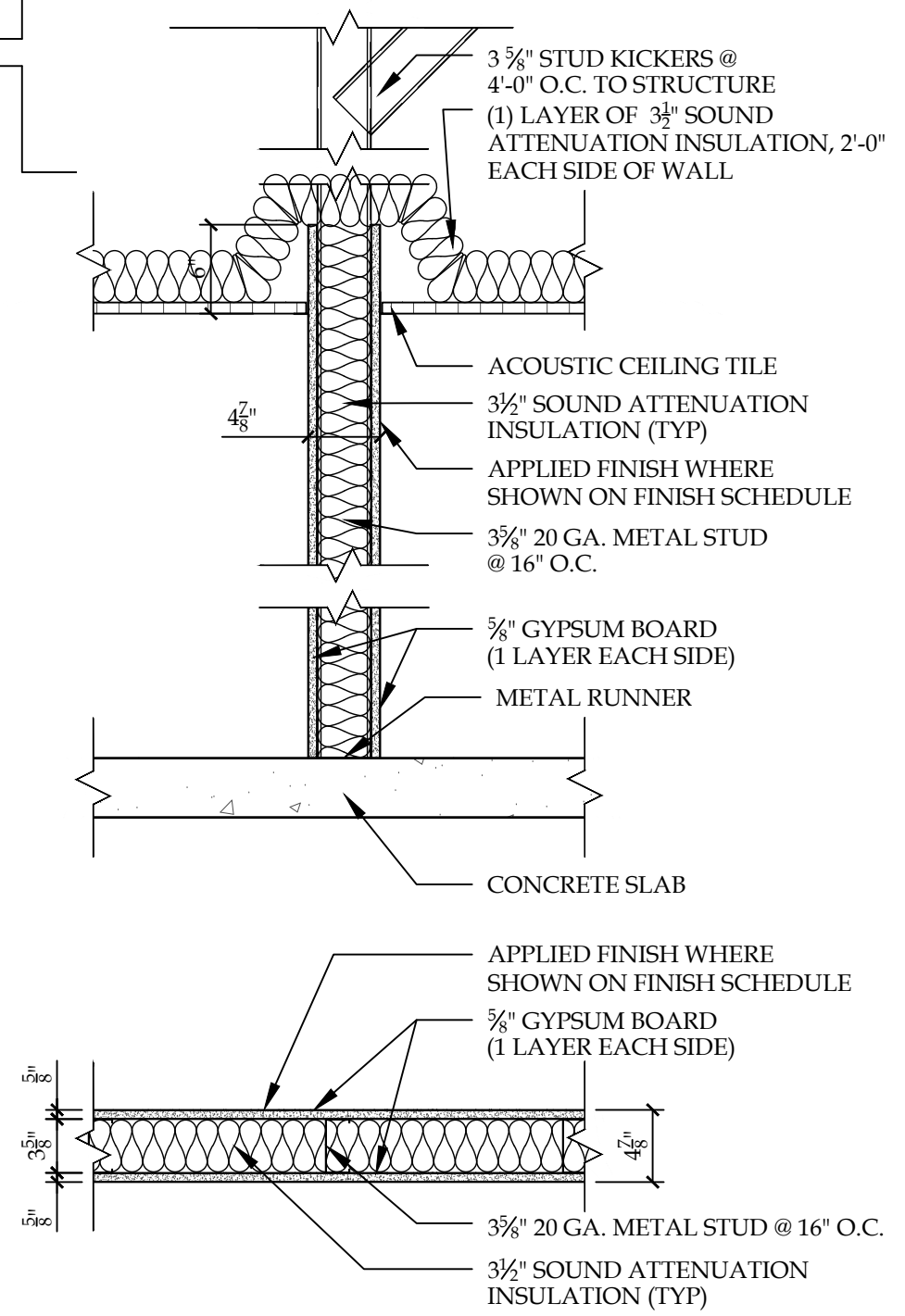


REFLECTED CEILING LEGEND



GENERAL NOTES

- ALL LIGHTING TO BE CENTERED WITH IN SPACE AS SHOWN.
- VERIFY EXISTING CEILING HEIGHTS IN FIELD. NEW CEILING HEIGHT TO MATCH EXISTING.
- COORDINATE W/ MEP DRAWINGS FOR ALL LIGHTING, ELECTRICAL, AND HVAC FIXTURES/DIFFUSERS.



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Endeavor Health Services
1131 Broadway
Buffalo, NY

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PROJ. ARCH. _____ DRAFTER _____
JOB CAPT. _____ INTERIORS _____

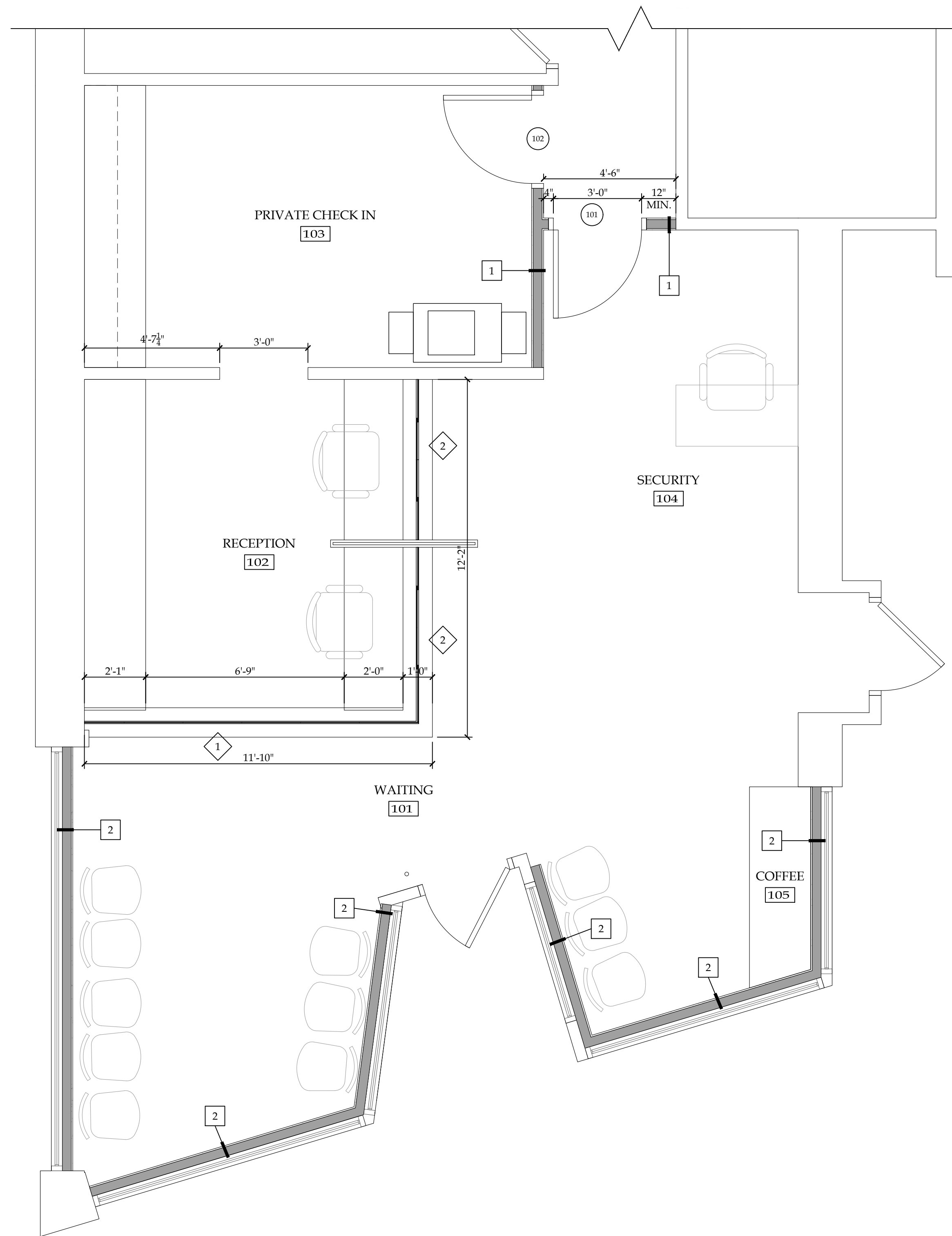
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TITLE:
FLOOR PLAN & REFLECTED CEILING PLAN

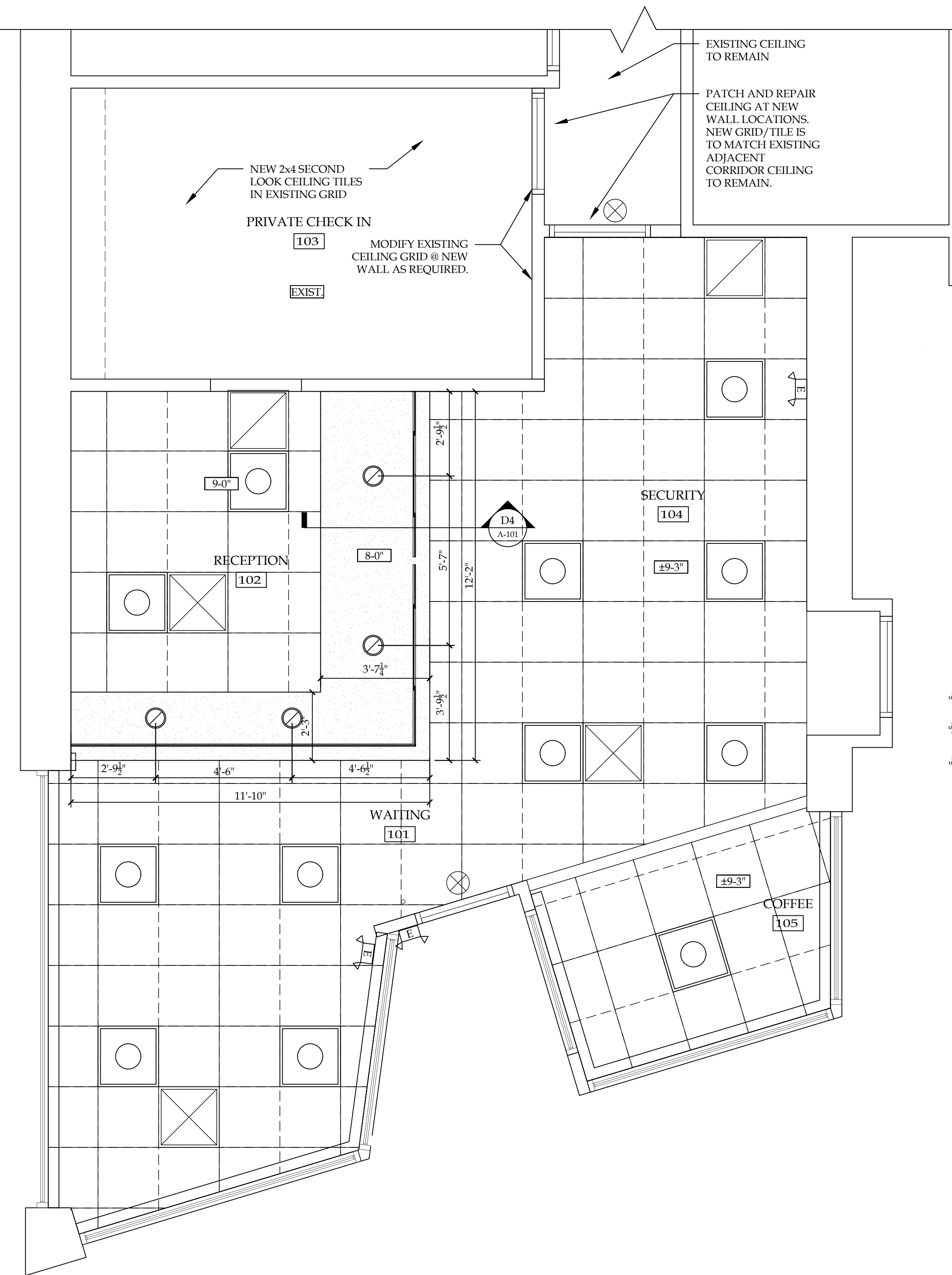


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DRAWING #: **A-101**

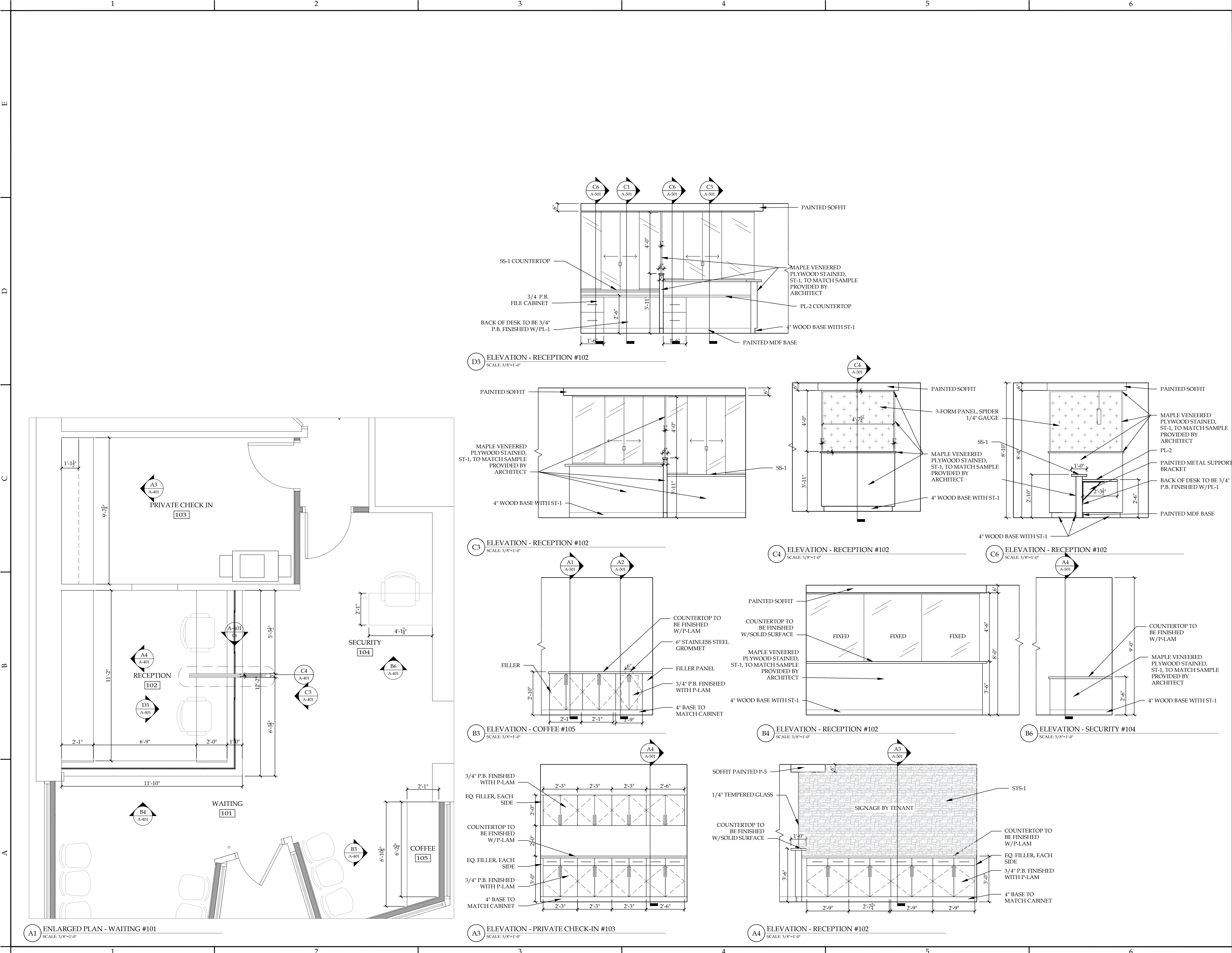


A1 FLOOR PLAN
SCALE: 3/8" = 1'-0"



A4 REFLECTED CEILING PLAN
SCALE: 3/8" = 1'-0"

KEY PLAN
SCALE: NTS



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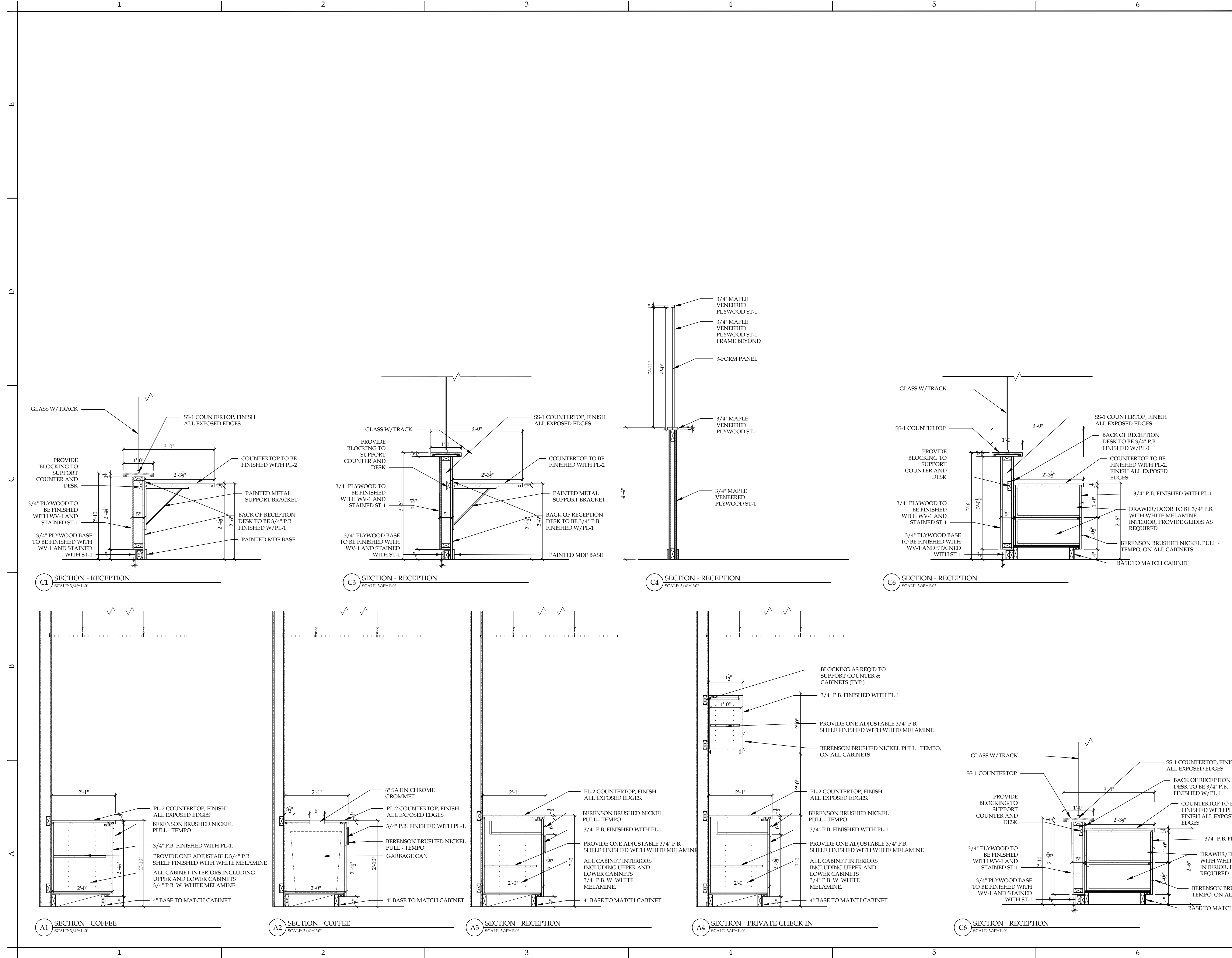
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TITLE:
ENLARGED PLANS & ELEVATIONS



SA JOB #: **14121.01** DATE: **05-22-18**

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Endeavor Health Services

1526 Walden Ave. Suite #400
 Cheektowaga, NY

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 PROJ. ARCH. _____ DRAFTER _____
 JOB CAPT. _____ INTERIORS _____

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TITLE:
MILLWORK SECTIONS



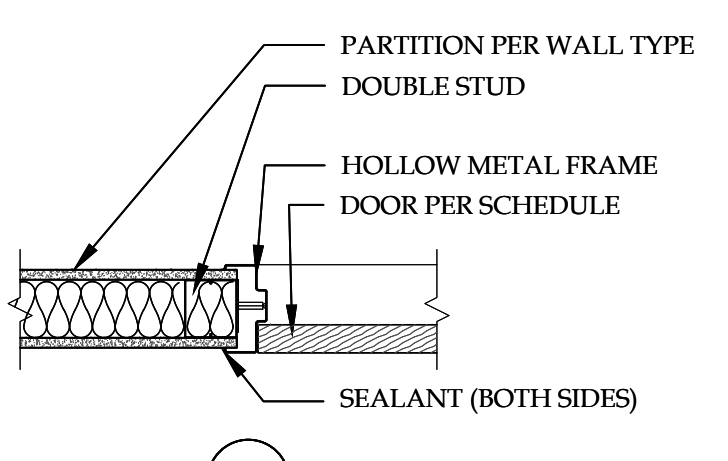
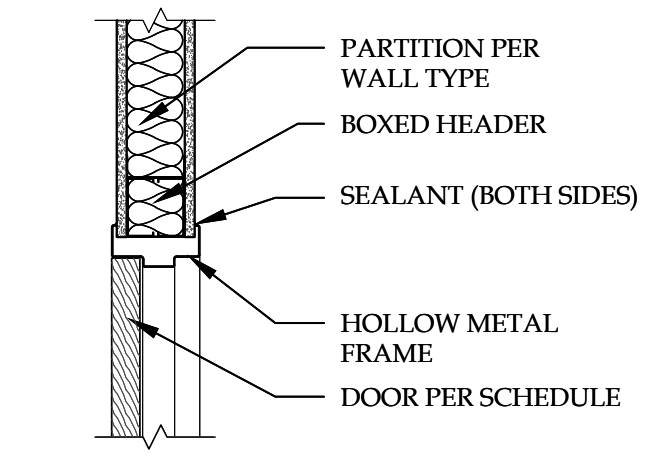
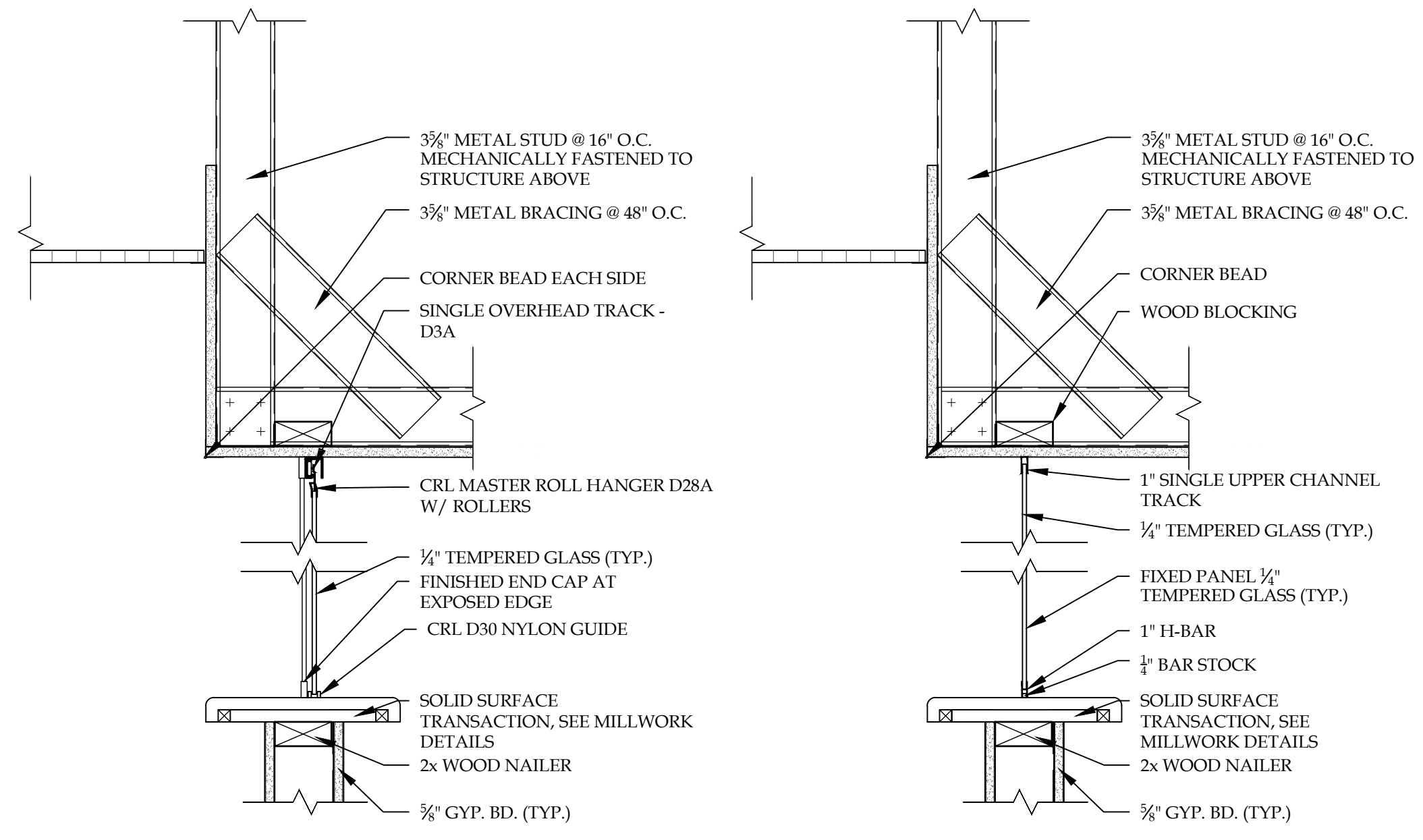
SA JOB #: 14118.01 DATE: 05-22-18

DRAWING #: **A-501**

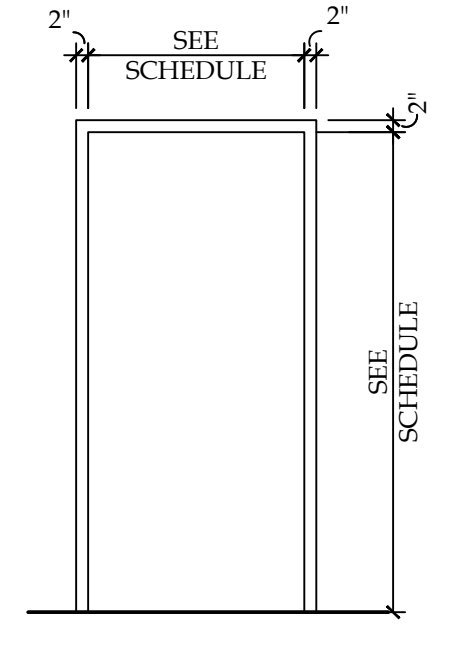
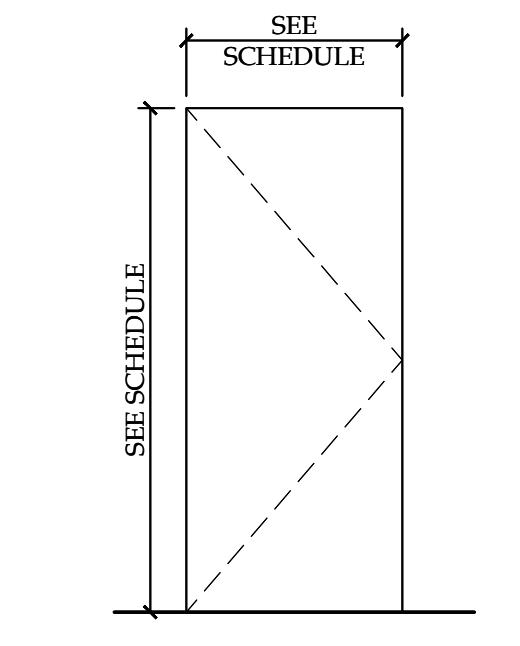
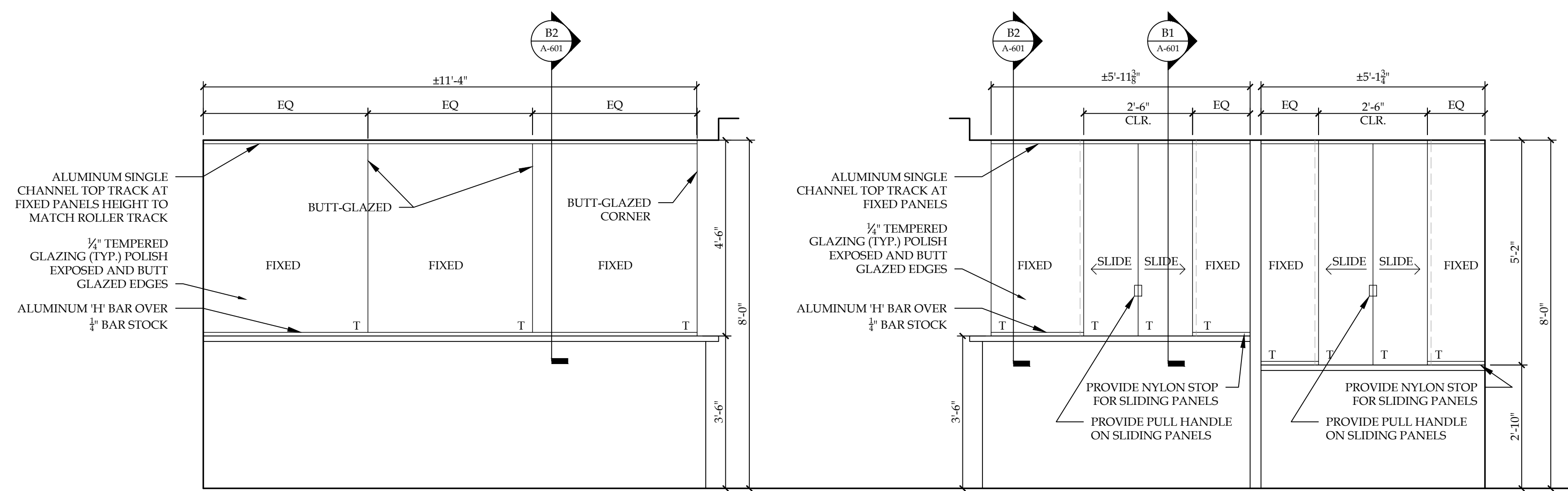
DOOR AND FRAME SCHEDULE														
MARK	LOCATION	DOOR			FRAME			FIRE RATING LABEL	HARDWARE SET NO	NOTES				
		WD	HGT	THK	Type	MATL	GLAZING				TYPE	MATL	DETAIL HEAD	DETAIL JAMB
101	SECURITY	3'-0"	7'-0"	1 3/4"	F	SCWD	--	A	HM	H1	J1	--	1	
102	PRIVATE CHECK-IN	VIF	VIF	VIF	EXIST.	EXIST.	--	A	HM	H1	J1	--	EXIST.	DEMO NOTE 8 RELOCATED EXISTING DOOR IN NEW FRAME COORDINATE NEW FRAME WITH EXIST. DOOR SLAB

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- NOTE:**
- VERIFY ALL ROUGH OPENING DIMENSIONS AS REQUIRED TO MATCH DOOR SIZES SHOWN.
 - ALL DOOR HARDWARE TO BE ADA COMPLIANT LEVER STYLE LOCKS AND LATCHES.
 - SCWD = SOLID CORE WOOD DOOR
HM = HOLLOW METAL
 - NEW DOORS ARE TO BE FINISHED TO MATCH EXISTING.
- HARDWARE SCHEDULE**
- * PROVIDE SOLID WOOD BLOCKING AT ALL WALL STOPS
* ALL HARDWARE TO BE ADA COMPLIANT
- HDW-1
EACH DOOR TO HAVE:
3- HINGES
1- STOREROOM LOCKSET
1- ELECTRIC STRIKE
1- WALL STOP
1- CLOSER
3- DOOR SILENCERS
1- KEY FOB SYSTEM
COORDINATE W/ TENANT SECURITY VENDOR



B4 DOOR HEAD & JAMB DETAILS
SCALE: 1" = 1'-0"



A4 DOOR TYPES
SCALE: 3/8" = 1'-0"

A5 DOOR TYPES
SCALE: 3/8" = 1'-0"

ISSUE:
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Endeavor Health Services

1131 Broadway
Buffalo, NY

SA PROJECT TEAM: PRINCIPAL P. Silvestri
PROJ. ARCH. _____ DRAFTER _____
JOB CAPT. _____ INTERIORS _____

SEAL:

TITLE:
DOOR & WINDOW SCHEDULE, TYPES & DETAILS

SILVESTRI ARCHITECTS · PC
1321 MILLERSPORT HWY PH. 716.691.0900
AMHERST, NY 14221 FAX 716.691.4773

SA JOB #: 14121.01 DATE: 05-22-18

DRAWING #: **A-601**

E
D
C
B
A

FINISH SELECTIONS	
CARPET (CPT-X):	
(CPT-1) MANUFACTURER: INTERFACE COLLECTION: EVENSONG STYLE: SNOW MOON COLOR: NOON MOON INSTALLATION: VERTICAL ASHLAR	
(CPT-2) MANUFACTURER: INTERFACE COLLECTION: STEP REPEAT STYLE: SR699 COLOR: GRANITE LOCATION: VESTIBULE	
LUXURY VINYL TILE (LVT-X):	
(LVT-1) MANUFACTURER: INTERFACE STYLE: STUDIO SET MUSHROOM SIZE: 12" X 12"	
TILE (T-X):	
(T-1) (TYPICAL) MANUFACTURER: OLYMPIA TILE DISTRIBUTOR: DOBKIN TILE STYLE: OIKOS COLOR: GRIGIO SIZE: 12"X24" INSTALLATION: 1/3 BRICK LAY FLEXIBLE - GROUT:	
TILE BASE (TB-X):	
(TB-1) (TYPICAL) MANUFACTURER: OLYMPIA TILE DISTRIBUTOR: DOBKIN TILE STYLE: OIKOS COLOR: GRIGIO SIZE: 4" NOTE: TO BE USED WITH T-1	
RUBBER BASE (RB-X):	
(RB-1) MANUFACTURER: JOHNSONITE COLOR: PEBBLE 32 LOCATION: OFFICE AREAS	
MEDIUM DENSITY FIBREBOARD (MDF-X):	
(MDF-1) (TYPICAL) PROFILE: TBD HEIGHT: 4" COLOR: P-3	
PAINT (P-X):	
(P-1) (TYPICAL) MANUFACTURER: SHERWIN WILLIAMS NOTE: MINIFUL GRAY SW7016 FINISH: EGG SHELL	
(P-2) (ACCENT) MANUFACTURER: SHERWIN WILLIAMS COLOR: DOVETAIL SW7018 FINISH: EGG SHELL	
(P-3) (ACCENT) MANUFACTURER: SHERWIN WILLIAMS COLOR: GULFSTREAM SW6768 FINISH: EGG SHELL	
(P-4) (TRIM) MANUFACTURER: SHERWIN WILLIAMS COLOR: GAUNTLET GRAY SW7019 FINISH: SEMI-GLOSS	
(P-5) (CHECK IN/CHECK OUT SOFFIT) MANUFACTURER: SHERWIN WILLIAMS COLOR: CRUSHED ICE SW7647 FINISH: FLAT	
STACKED STONE (STS-X):	
(STS-1) MANUFACTURER: CORONADO STONE STYLE: PROLEDGE COLOR: HURON LOCATION: RECEPTION	
WOOD VENEER (WV-X):	
(WV-1) SPECIES: MAPLE STAIN: ST-1 LOCATION: RECEPTION DESK	
STAIN (ST-X):	
(ST-1) STAIN: TO MATCH SAMPLE PROV. BY ARCH	
PLASTIC LAMINATE (PL-X):	
(PL-1) (TYPICAL) MANUFACTURER: NEVAMAR COLOR: GIANT GRAY BAMBOO WX1150-PV	
(PL-2) (TYPICAL COUNTERTOP) MANUFACTURER: NEVAMAR COLOR: EISKAFFE	
(PL-3) (RECEPTION WORK STATION) MANUFACTURER: NEVAMAR COLOR: KOPI SUSU LN6002T	
SOLID SURFACE (SS-X):	
(SS-1) MANUFACTURER: WILSONART COLLECTION: QUARTZ SELECT FINISH: PAPER LANTERN Q6001 LOCATION: RECEPTION DESK TRANSACTION	
DOORS (WD-X):	
(WD-1) MANUFACTURER: MASONITE SPECIES: MAPLE FINISH: STOUT	

FINISH SELECTIONS	
ACOUSTICAL CEILING TILE (ACT-X):	
(ACT-1) MANUFACTURER: USG STYLE: RADAR ILLUSION TWO/24 PANELS STYLE #: 2742 SIZE: 2' X 4' EDGE: SLIT COLOR: WHITE SUSPENSION SYS.: USG DONN BRAND DX/DXL 15/16"	
ROLLERSHADES (RS-X):	
(RS-1) MANUFACTURER: HUNTER DOUGLAS STYLE: E SCREEN 7510 COLOR: CHARCOAL/GRAY OPENNESS: 10% LOCATION: ALL EXTERIOR WINDOWS	
TRANSITION (TS-X):	
(TS-1) (GENERAL) MANUFACTURER: SCHLUTER SYSTEMS STYLE & SIZE: RENO-TK SIZE TO BE V.L.F. IN ACCORDANCE WITH MATERIAL(S) THICKNESS STYLE: CLEAR SATIN ANODIZED ALUMINUM LOCATION(S): FLOORING MATERIAL CHANGES AS NECESSARY. NOTE(S): PLEASE SEE GENERAL NOTES RE: TRANSITIONS	
MISCELLANEOUS (MISC-X):	
(MISC-1) (CHAIRRAIL) SPECIES: MAPLE STAIN: ST-1 SIZE: 4" PROFILE: TO BE SELECTED BY ARCH. HEIGHT: VERIFY W/TENANT	
(MISC-2) (3-FORM) MANUFACTURER: 3FORM STYLE: SPIDER LOCATION: RECEPTION DESK FEATURES	

ROOM FINISH SCHEDULE - FIRST FLOOR								
ROOM NUMBER	ROOM NAME	BASE	FLOOR	WALLS	MILLWORK		CEILING HEIGHT	REMARKS
					CABINET/SHROUD	COUNTERTOP/BACKSPLASH		
101	VESTIBULE	TB-1	T-1/CPT-2	P-1			10'-6"	1
102	RECEPTION	MDF-1	LVT-1/CPT-1	P-1/P-2/STS-1	WV-1/PL-2	SS-1/PL-3	10'	
103	SUPPLIES	RB-1	CPT-1	P-1	PL-1	PL-2	9'-0"	
104	COFFEE	MDF-1	LVT-1/CPT-1	P-1	PL-1	PL-2	EXISTING	2
105	WAITING	MDF-1	CPT-1	P-1/P-3				

ROOM FINISH LEGEND	
FLOORS	WALLS
CPT = CARPET	P = PAINT
T = TILE	WT = WALL TILE
LUXURY VINYL TILE = LVT	STS = STACKED STONE
BASE	MISCELLANEOUS
RB = RUBBER BASE	SS = SOLID SURFACE
TB = TILE BASE	PL = PLASTIC LAMINATE
RB = RUBBER BASE	TS = TRANSITION STRIP
MDF = MEDIUM DENSITY FIBREBOARD	RS = ROLLER SHADES
CEILING	ST = STAIN
ACT = ACOUSTIC CEILING TILE	WV = WOOD VENEER
GYP = GYPSUM BOARD	MISC = MISCELLANEOUS
DOORS	MATERIALS
WD = WOOD DOOR	P.B. = PARTICLE BOARD
	GYP. = GYPSUM BOARD

REMARKS
1. REFER TO REFLECTED CEILING PLAN FOR EXACT DETAILS (MATERIALS, HEIGHTS, SIZES, ETC...) FOR CEILING LAYOUT.
2. CONTACT ARCHITECT FOR CARPET PATTERN INSTALLATION GUIDE.
3. ADD CHAIR RAIL WHERE SPECIFIED. CONFERENCE ROOM TO RECEIVE CHAIR RAIL ON ALL WALLS WITH THE EXCEPTION OF THE MILLWORK WALL.
4. CHECK IN SIDE OF DESK TO RECEIVE WOOD BASE, NOT MDF. MDF TO BE USED BEHIND DESK AND THROUGHOUT WAITING #105.
5. SOFFIT AT CHECK IN/CHECK OUT TO BE PAINTED P-5.
6. NO THRESHOLD NECESSARY AT CPT-1 INSET IN LVT-1.

GENERAL NOTES
<ul style="list-style-type: none"> ANY AND ALL FINISH SELECTIONS/ COLORS MUST BE SUBMITTED TO ARCHITECT FOR APPROVAL. ACCOUNTING FOR PROPER LEAD TIME. ANY FINISH THAT IS INSTALLED WITHOUT ARCHITECTS APPROVAL MAY BE REQUIRED TO BE REMOVED AND REPLACED BY THE GENERAL CONTRACTOR. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ORDER ALL MATERIALS AT THE APPROPRIATE TIME. ANY FEES INCURRED AS A RESULT OF FINISHES NOT BEING ORDERED ON TIME WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. ANY DISCREPANCIES BETWEEN ARCHITECTURAL ELEVATION(S), PLAN(S), SCHEDULE(S) AND NOTES MUST BE BROUGHT TO ARCHITECTS ATTENTION. ARCHITECT MUST BE CONTACTED AND GIVE APPROVAL TO MOVE FORWARD WITH SPECIFIC DIRECTION PRIOR TO ANTICIPATED ACTION. ALL INTERIOR PRODUCTS TO MEET/ EXCEED FLAME SPREAD RATING PER CODE. ALL FLOOR FINISHES TO EXTEND BENEATH ALL MILLWORK. ALL ELECTRICAL PANEL COVERS AND/OR MECHANICAL EQUIPMENT AND/OR DUCTING TO BE PAINTED TO MATCH ADJOINING WALL. ANY CEILING HVAC SUPPLY/DIFFUSERS ETC. TO BE PAINTED TO MATCH SURROUNDING CEILING FINISH. ANY QUESTIONS OR CONCERN TO BE BROUGHT TO ARCHITECTS ATTENTION FOR FINAL DECISION PRIOR TO ORDER/INSTALL BY CONTRACTOR OR OTHER.
CEILING:
<ul style="list-style-type: none"> ALL GYPSUM BOARD CEILINGS TO BE PAINTED IN A FLAT WHITE FINISH UNLESS SPECIFIED. ALL EXPOSED MECHANICAL DUCT COVERS SHALL BE PAINTED TO MATCH THE SURROUNDING WALL/ CEILING COLOR. PRIME AS NECESSARY
WALLS:
<ul style="list-style-type: none"> PROVIDE (1) COAT WALL PRIMER FOLLOWED BY (2) COATS WALL PAINT ON ALL INTERIOR WALL SURFACE UNLESS OTHERWISE NOTED IN SPECIFICATIONS. SEE SPEC FOR DETAILS. WHERE DARK PAINT COLORS ARE APPLIED, USE DEEP GRAY BASE PRIMER TO PREVENT BURNISHING. CHAIR RAIL HEIGHT TO BE DECIDED BY OWNER. STAIN ST-1 WHERE SPECIFIED ON A-603.
FLOORS:
<ul style="list-style-type: none"> NO CHANGES OR SUBSTITUTIONS WILL BE MADE TO THE FOLLOWING FINISHES UNLESS DIRECTED BY THE OWNER OR ARCHITECT. CONTRACTOR TO PROVIDE (TS-1) AT ALL FLOORING MATERIAL CHANGES NEEDING THRESHOLDS. NECESSARY SIZES TO BE DETERMINED BY CONTRACTOR AND V.L.F. BASED ON MATERIAL THICKNESS. NO THRESHOLD NECESSARY AT CPT-1 INSET IN LVT-1.
MILLWORK:
<ul style="list-style-type: none"> PROVIDE CLEAR BEAD OF SILICONE OR CLEAR CALK TO SEAL BETWEEN MILLWORK PIECES (IE: COUNTER TOP AND BACKSPLASH) AND MILLWORK AND WALL. (TYPICAL). ALL COLOR SELECTION OF PLASTIC LAMINATE SUPPORTS TO MATCH ADJACENT WALL.
BASE:
<ul style="list-style-type: none"> USE MDF-1 BASE AT WAITING ROOM. PLEASE SUBMIT PROFILE OPTIONS TO ARCHITECT FOR APPROVAL.
WINDOWS:
<p>ALL GLAZING FACING EXTERIOR TO RECEIVE RS-1. ALL WINDOW SILLS TO BE PL-2.</p>
DOORS:
<ul style="list-style-type: none"> ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED WITH P-4.
OUTLETS:
<ul style="list-style-type: none"> ALL OUTLET SWITCHES AND COVERS TO BE WHITE.
SIGNAGE:
<ul style="list-style-type: none"> SIGNAGE LOCATIONS WILL NEED TO BE PROVIDED AND INSTALLED BY CONTRACTOR. TO BE SELECTED AND APPROVED BY ARCHITECT AND CLIENT PRIOR TO MANUFACTURER/PURCHASE TO BE PROVIDED BY TAKEFORM.

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Endeavor Health Services
463 William Street
Buffalo, NY

ISSUE:
05-22-18: ISSUED FOR BID/PERMIT

SA PROJECT TEAM: PRINCIPAL P.Silvestri
PROJ. ARCH. _____ DRAFTER _____
JOB CAPT. _____ INTERIORS _____

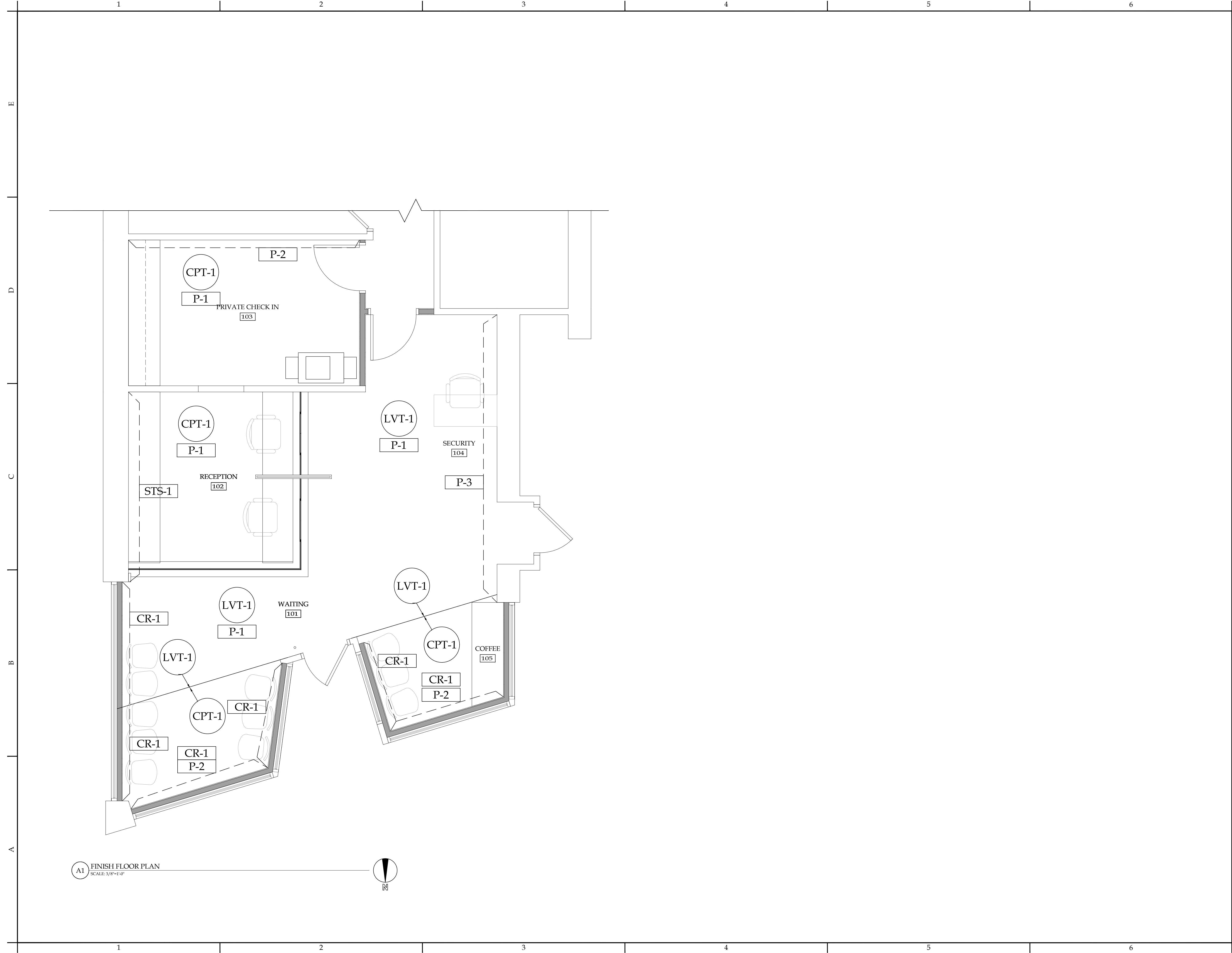
SEAL:

TITLE:
ROOM FINISH SCHEDULE & GENERAL NOTES

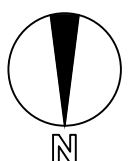


SA JOB #: 17158.01
DATE: 05-22-18

DRAWING #: A-602



A1 FINISH FLOOR PLAN
SCALE: 3/8"=1'-0"



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Endeavor Health Services
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ISSUE:
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PROJ. ARCH. _____ DRAFTER _____
JOB CAPT. _____ INTERIORS _____

SEAL:

TITLE:
FINISH FLOOR PLAN



SA JOB #: 14121.01
DATE: 05-22-18

DRAWING #: **A-603**

HVAC GENERAL NOTES

- ARCHITECTURAL**
- DO NOT SCALE DRAWINGS. REFER TO ARCHITECTURAL DRAWINGS AND REFLECTED CEILING PLANS FOR EXACT LOCATION OF DOORS, WINDOWS, CEILING DIFFUSERS, ETC.
 - LIGHT FIXTURE LOCATIONS TAKE PRECEDENCE OVER DIFFUSER AND GRILLE LOCATIONS. LOCATE DIFFUSERS AND GRILLES TO ACCOMMODATE LIGHTING LAYOUT.
 - REFER TO ARCHITECTURAL FLOOR PLANS FOR LOCATION AND RATING OF ALL FIRE WALLS.

- GENERAL**
- THE HVAC CONTRACTOR SHALL VISIT THE JOB SITE AND BE FAMILIAR WITH ALL PROJECT CONDITIONS PRIOR TO FABRICATING DUCTWORK, EQUIPMENT, ETC. NO ALLOWANCES WILL BE MADE FOR CONTRACTOR'S UNFAMILIARITY WITH PROJECT CONDITIONS.
 - DUCTWORK ROUTING SHOWN IS SCHEMATIC. HVAC CONTRACTOR SHALL PROVIDE ANY ADDITIONAL OFFSETS AND FITTINGS, INCLUDING DIVIDED DUCTS, REQUIRED FOR PROPER INSTALLATION AND TO MAINTAIN CLEARANCES AS ENCOUNTERED IN THE FIELD.
 - FURNISH ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED FOR THE COMPLETE INSTALLATION AND OPERATION OF ALL SYSTEMS IN THIS SECTION OF WORK IN ACCORDANCE WITH ALL APPLICABLE CODES, ASHRAE, SMACNA, NFPA, EPA, ETC.
 - PRIOR TO INSTALLATION OF ASSOCIATED WORK; INSTALLER SHALL MEET AT PROJECT SITE WITH GENERAL CONTRACTOR, INSTALLER OF EACH COMPONENT OF ASSOCIATED WORK, INSPECTION AND TESTING AGENCY REPRESENTATIVES (IF ANY), INSTALLERS OF OTHER WORK REQUIRING COORDINATION WITH WORK OF THIS SECTION AND ARCHITECT / OWNER FOR PURPOSE OF COORDINATING LOCATIONS OF PROPOSED SYSTEMS, REVIEWING MATERIAL SELECTIONS, AND PROCEDURES TO BE FOLLOWED IN PERFORMING THE WORK IN COMPLIANCE WITH REQUIREMENTS SPECIFIED.

- COORDINATE SCHEDULE FOR HOOK-UPS TO EXISTING SYSTEMS AND EQUIPMENT REMOVAL OR RELOCATIONS WITH THE OWNER AND PERFORM THIS WORK AT SUCH TIMES TO ENSURE THAT PERIODS OF SHUTDOWN WILL BE ACCEPTABLE TO THE OWNER.
- COORDINATE INSTALLATION AND LOCATIONS OF NEW DUCTWORK AND PIPING WITH BUILDING STRUCTURE, PLUMBING PIPING, ELECTRICAL CONDUIT, LIGHTING, ETC. PRIOR TO PURCHASING OR INSTALLING EQUIPMENT AND MATERIALS.
- VERIFY EXACT SIZES OF EXISTING DUCTWORK AND / OR PIPING IN FIELD PRIOR TO MAKING NEW CONNECTION.
- VERIFY EXACT LOCATION OF CONNECTION POINTS (NEW TO EXISTING) IN FIELD PRIOR TO CONSTRUCTION.
- RELOCATE EXISTING DUCTWORK AND / OR PIPING IN EXISTING CEILING SPACES TO ACCOMMODATE ALL RENOVATIONS AND ADDITIONS.
- ALL PIPING AND DUCTS EXTENDING THROUGH WALLS SHALL BE SEALED WITH AN APPROVED FIRESTOPPING MATERIAL.

- EQUIPMENT**
- FLEXIBLE CONNECTORS SHALL BE INSTALLED ON SUPPLY AIR DUCTS AT ALL EQUIPMENT CONNECTIONS.

- DUCTWORK**
- RUN ALL DUCTWORK AND PIPING AS TIGHT TO BOTTOM OF STEEL AS POSSIBLE.
 - DUCTWORK SHALL NOT BE SUPPORTED FROM BRIDGING, CONDUIT, PIPING, ETC. OF ANY KIND. DO NOT USE FASTENERS THAT PENETRATE ROOF DECKS.
 - ASPECT RATIO SHALL NOT EXCEED 3:1.
 - ALL DUCTWORK INSTALLATION SHALL RUN CONTINUOUSLY THROUGH PARTITIONS.
 - LOCATE ALL DUCT BALANCING DAMPERS, CONTROL DAMPERS AND FIRE DAMPERS ABOVE ACCESSIBLE CEILING OR PROVIDE ACCESS DOORS.

- PROVIDE VOLUME CONTROL DAMPERS WITH QUADRANT AND LOCK AND STANDOFF COLLAR AT ALL BRANCH DUCTS TO DIFFUSERS. INSTALL AT A MINIMUM OF TWO DUCT WIDTHS FROM BRANCH TAKEOFF.
- DUCTWORK SIZES INDICATED ON DRAWINGS ARE INSIDE, FREE AND CLEAR DIMENSIONS. INCREASE DUCT OUTSIDE DIMENSION SIZE BY TWO (2) TIME THE THICKNESS OF THE INSULATION.
- ALL DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH SMACNA STANDARDS.
- ALL DUCTWORK SHALL BE GALVANIZED SHEET METAL IN AREAS WITH FINISHED CEILING.
- WHERE RECTANGULAR DUCTWORK IS INDICATED, AND AT INSTALLERS OPTION, SPIRAL AND ROUND DUCTWORK MAY BE SUBSTITUTED FOR RECTANGULAR DUCTWORK PROVIDED THEY ARE EQUIVALENT TO THE RECTANGULAR DIMENSIONS INDICATED ON THE DRAWINGS (i.e.: 8x4 = 8"ø, 10x6 = 10"ø).
- ALL CONCEALED SUPPLY AIR DUCTWORK SHALL BE EXTERNALLY INSULATED WITH MINIMUM 1-1/2" THICK, 0.75 LB DENSITY, FOIL-BACK INSULATION WITH VAPOR BARRIER AND A MINIMUM R-VALUE OF R-6, FLAME SPREAD RATING OF 25 OR LESS, AND SMOKE-DEVELOPED RATING OF 50 OR LESS.
- ALL RETURN AND TRANSFER AIR DUCTWORK SHALL BE INTERNALLY LINED.
- ALL DUCT LINERS SHALL BE MINIMUM 1-1/2" THICK, COATED TO PREVENT ELEMENTS FROM ENTERING THE AIRSTREAM (COATING SHALL MEET ASHRAE 62 - LATEST EDITION), AND ENVIRONMENTALLY FRIENDLY WITH A MINIMUM R-VALUE OF R-6. LINER SHALL BE BLACK IN COLOR SO IT IS NOT NOTICEABLE FROM THE INSIDE OF REGISTERS AND GRILLES.
- ALL SQUARE ELBOWS SHALL HAVE AIRFOIL TYPE TURNING VANES.
- MAXIMUM FLEXIBLE DUCT LENGTH SHALL BE 5'-0". ALL FLEXIBLE DUCT SHALL CONFORM TO THE REQUIREMENTS OF U.L. 181 FOR CLASS 1 FLEXIBLE AIR DUCTS, WITH A MINIMUM R-VALUE OF R-6. SUPPORT FLEXIBLE DUCT TO ELIMINATE KINKING AND SAGGING. (FLEXIBLE DUCT NOT PERMITTED IN EXPOSED AREAS).

- CONTROLS**
- ALL CONTROL WIRING AND CONDUIT SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE (NEC) AND NFPA 70.
 - ALL CONTROL WIRING AND POWER CONDUCTOR INSULATION SHALL BE PLENUM RATED.
 - ALL EXPOSED CONTROL WIRING SHALL BE INSTALLED IN 3/4" EMT CONDUIT.

HVAC CONTROL SYMBOLS

SYMBOL	DESCRIPTION
	PROGRAMMABLE, 7-DAY, 24-HOUR THERMOSTAT
	CONTROL WIRING (PLENUM RATED)

HVAC DUCTWORK SYMBOLS

SYMBOL	DESCRIPTION
	EXISTING DUCTWORK TO BE REMOVED
	EXISTING DUCTWORK TO REMAIN
	FLEXIBLE DUCT
	INTERNALLY LINED DUCTWORK
	MANUAL VOLUME DAMPERS
	POINT OF CONNECTION (NEW TO EXISTING)
	ROUND
	SUPPLY AIR DEVICE - FIRST NO. TYPE, SECOND NO. NECK SIZE, THIRD NO. CFM (REFER TO SCHEDULE FOR SIZE)
	RETURN AIR DEVICE - TYPE (REFER TO SCHEDULE FOR SIZE)

HVAC ABBREVIATIONS

CFM	CUBIC FEET PER MINUTE
DDC	DIRECT DIGITAL CONTROL
(E)	EXISTING
HVAC	HEATING, VENTILATING, AIR CONDITIONING
OA	OUTSIDE AIR
OED	OPEN-ENDED DUCTWORK
VD	VOLUME DAMPER
W/	WITH

AIR DISTRIBUTION DEVICE SCHEDULE

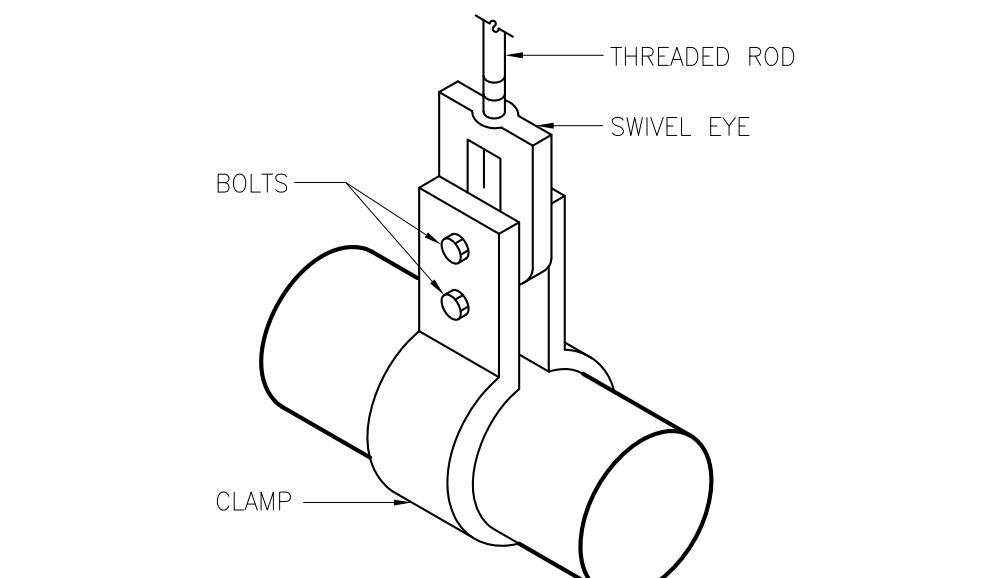
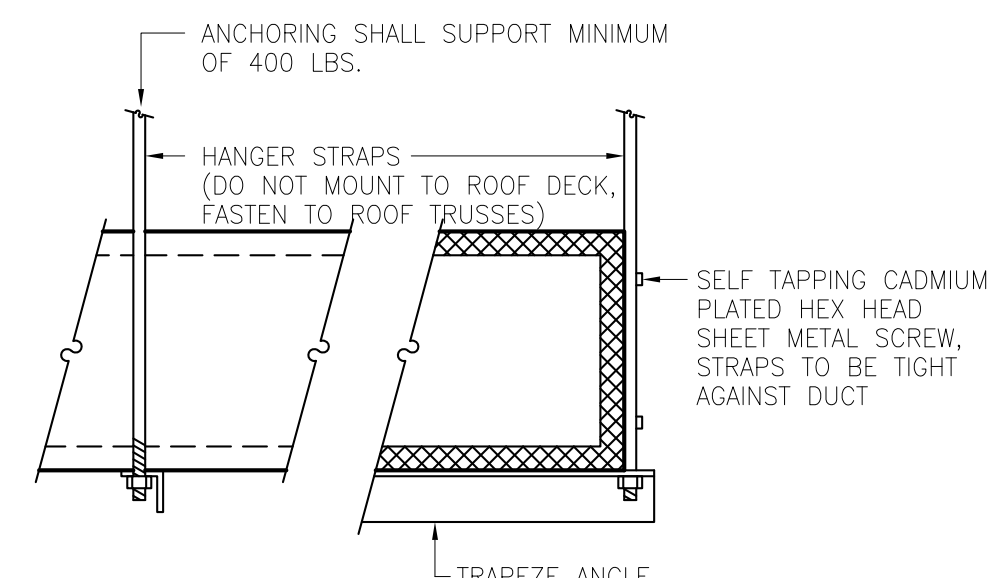
SYMBOL	STYLE & DEVICE SIZE	MOUNTING	DESCRIPTION	MANUFACTURER	MODEL NO.
SUPPLY					
	SD-1	LAY-IN	LOUVERED FACE, STEEL CONSTRUCTION, OPPOSED BLADE VOLUME DAMPERS, PROVIDE 18"x18" BACKPAN (NECK SIZE AS SHOWN FOR FULL PANEL LAY-IN APPLICATION) WITH FULL FACE DIFFUSER, 4-WAY THROW, WHITE FINISH	TITUS	TDC
RETURN					
	RR-1	LAY-IN	PERFORATED FACE, STEEL CONSTRUCTION, OPPOSED BLADE VOLUME DAMPERS, PROVIDE 22"x22" BACKPAN FOR FULL PANEL LAY-IN APPLICATION, WHITE FINISH	TITUS	PAR

- AIR DISTRIBUTION DEVICE NOTES:**
- ALL DEVICES SHALL BE FROM A SINGLE MANUFACTURER.
 - ALL DEVICES SHALL HAVE MATCHING MATTE, WHITE FINISH (UNLESS OTHERWISE NOTED IN DESCRIPTION ABOVE).
 - MAXIMUM NC OF 20.
 - ACCESSORIES:
 - A. OPERATING KEYS: TOOLS DESIGNED TO FIT THROUGH DIFFUSER FACE AND OPERATE VOLUME CONTROL DEVICE AND / OR PATTERN ADJUSTMENT
 - ACCEPTABLE MANUFACTURER'S - TITUS AND PRICE.

ELECTRIC WALL HEATER SCHEDULE

MARK	AREA SERVED	MANUFACTURER	MODEL NO.	SERIES	TYPE	MBH	WATTS	AMPS	VOLTS / PH
EWH	SECURITY-VEST.	MARKEL	F3453T	3450 SERIES (HEAVY DUTY FAN FORCED)	SEMI-RECESSED MOUNTING	10.2	3,000	14.4	208/1/60

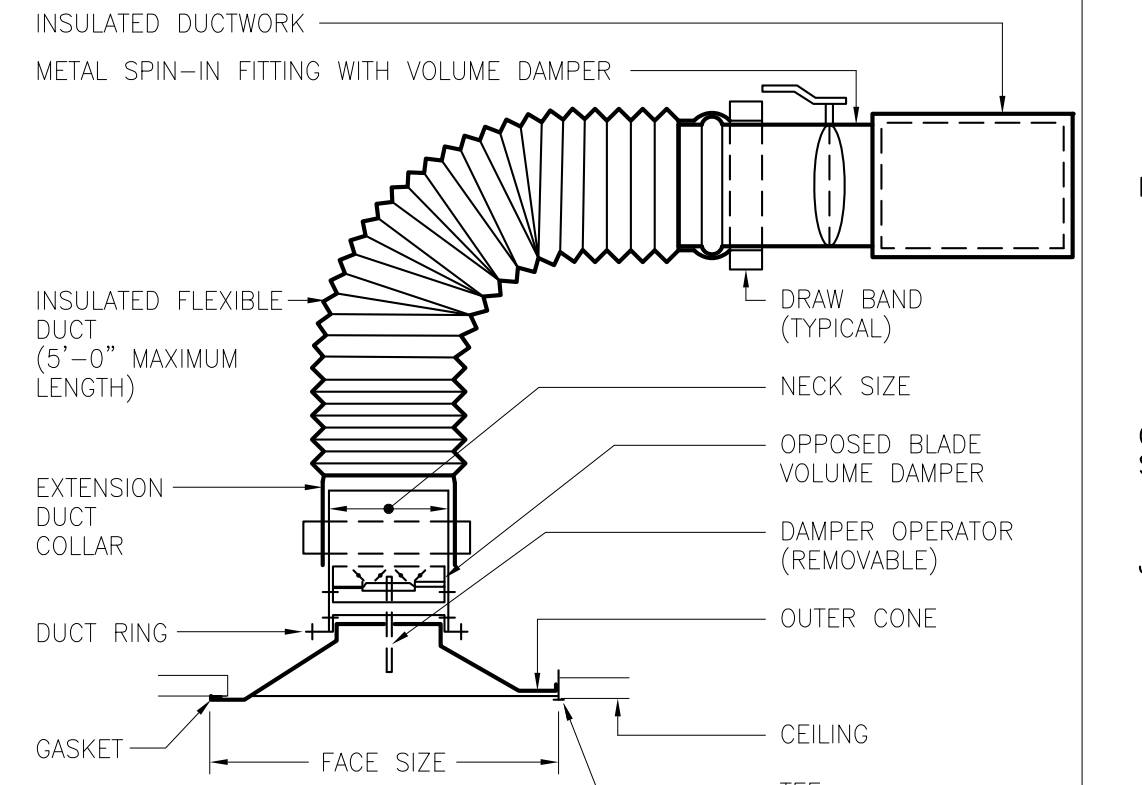
- ELECTRIC WALL HEATER NOTES:**
- ELECTRIC WALL HEATERS SHALL CONTAIN AN INTEGRAL, TAMPERPROOF THERMOSTAT.
 - ELECTRIC WALL HEATERS SHALL BE EQUIPPED WITH BUILT-IN THERMAL OVERLOAD PROTECTION.
 - FURNISHED AND INSTALLED BY DIVISION 23.
 - A. WIRING BY DIVISION 26.
 - FURNISH 2" SEMI-RECESSED MOUNTING FRAME #3450EX16 FOR EACH SEMI-RECESSED MOUNTED ELECTRIC WALL HEATER.
 - COLOR, INCLUDING CUSTOM COLOR, AS SELECTED BY ARCHITECT.
 - ACCEPTABLE MANUFACTURERS - MARKEL, Q'MARK, INDEECO.



HANGER SIZES FOR RECTANGULAR DUCT				
LONGEST DIMENSION OF DUCT	ROUND HANGERS	STRAP HANGERS	TRAPEZE SHELF ANGLES	MAXIMUM SPACING
UP THRU 18"	1/4" ROD	1" x 16 GAUGE	1" x 1" x 1/8"	10'-0"
19" THRU 30"	1/4" ROD	1" x 16 GAUGE	1" x 1" x 1/8"	10'-0"

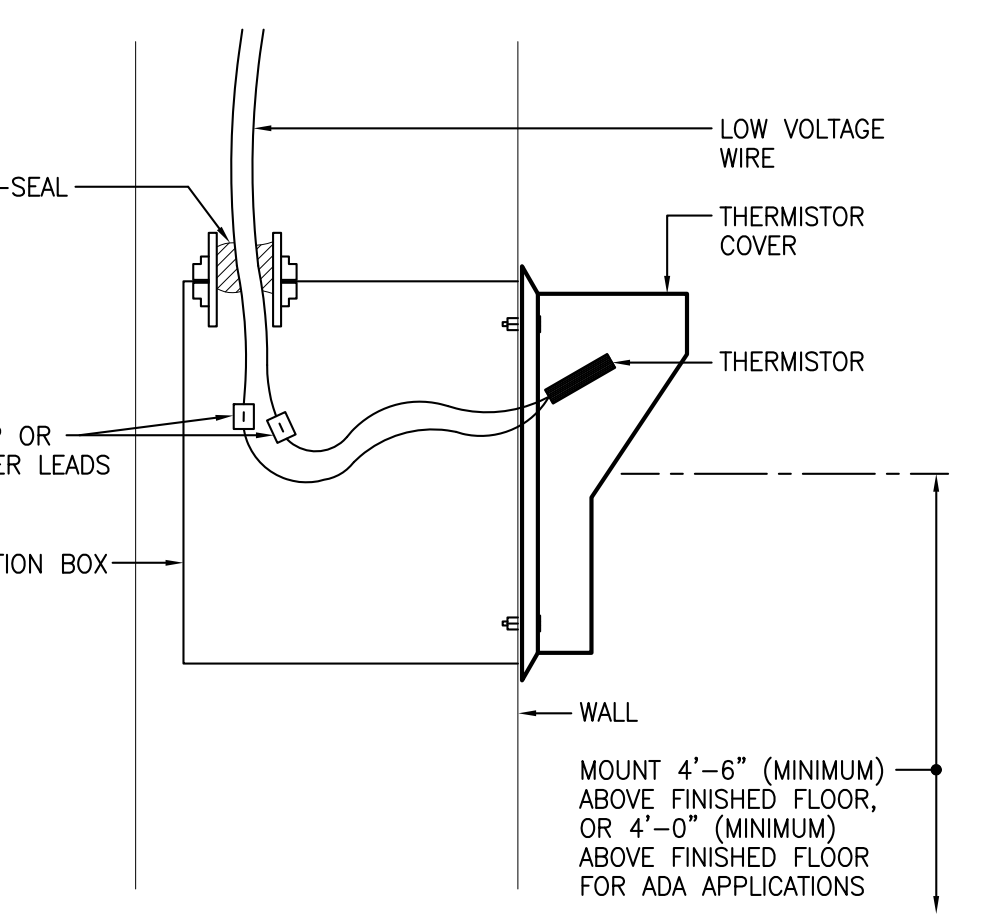
HANGER SIZES FOR ROUND DUCT				
DUCT DIAMETER	ROUND HANGERS	STRAP HANGERS	MAXIMUM SPACING	NUMBER OF HANGERS
UP THRU 18"	1/4" ROD	1" x 16 GAUGE	10'-0"	1
19" THRU 36"	3/8" ROD	1" x 12 GAUGE	10'-0"	1

DUCT HANGER DETAIL

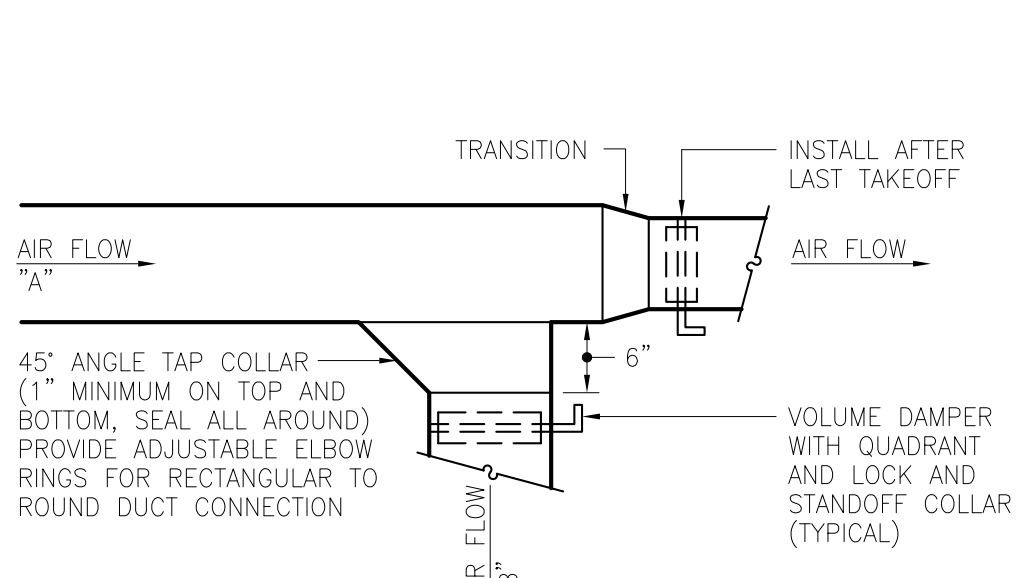


- INSTALLATION NOTES:**
- FASTEN DUCT RING TO EXTENSION DUCT COLLAR WITH SHEET METAL SCREWS.
 - "TAP-OUT" EITHER SIDE OR BOTTOM OF DUCT; TOP "TAP-OUT" IS NOT ACCEPTABLE.

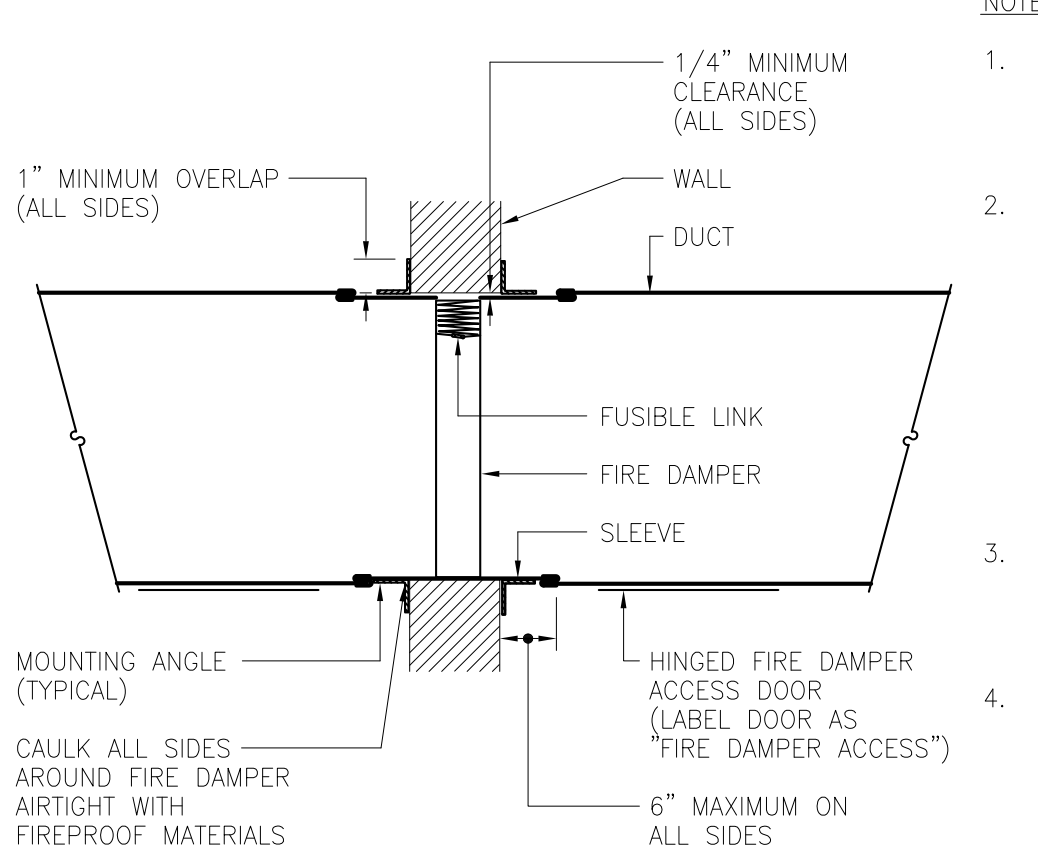
DIFFUSER INSTALLATION DETAIL



THERMOSTAT MOUNTING DETAIL

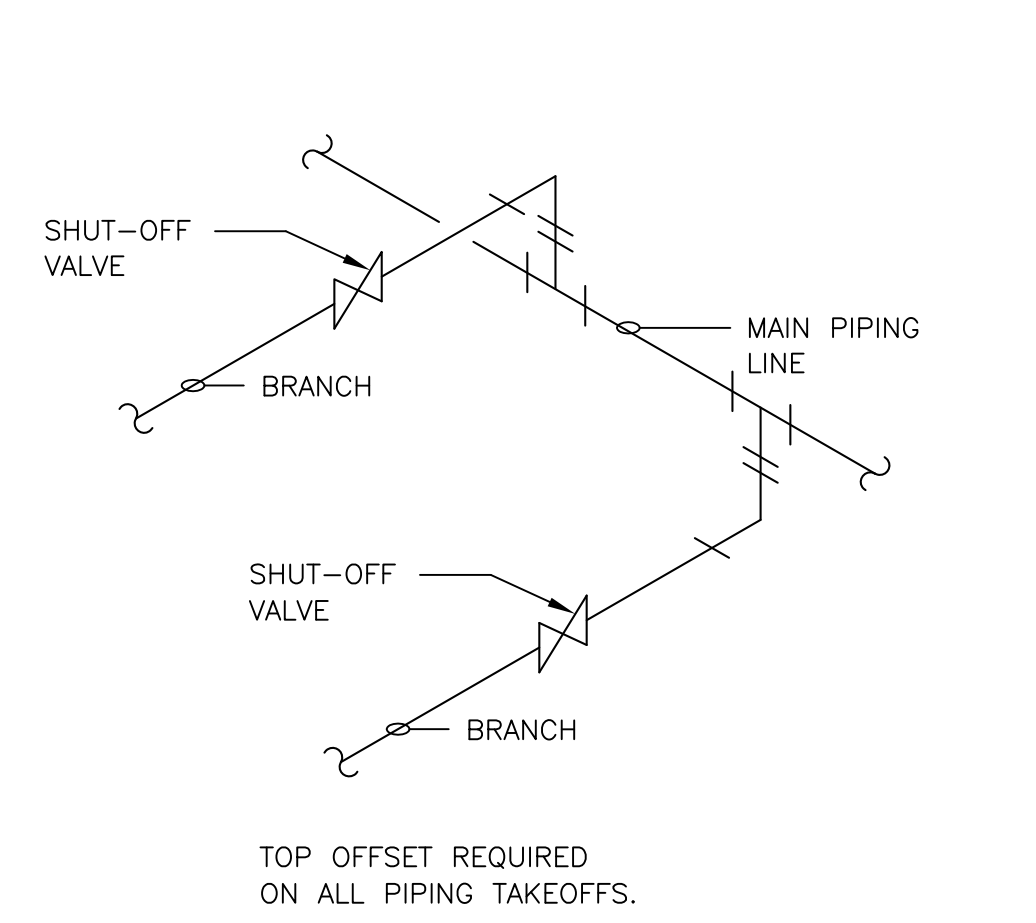


SUPPLY BRANCH TAKEOFF FITTING DETAIL

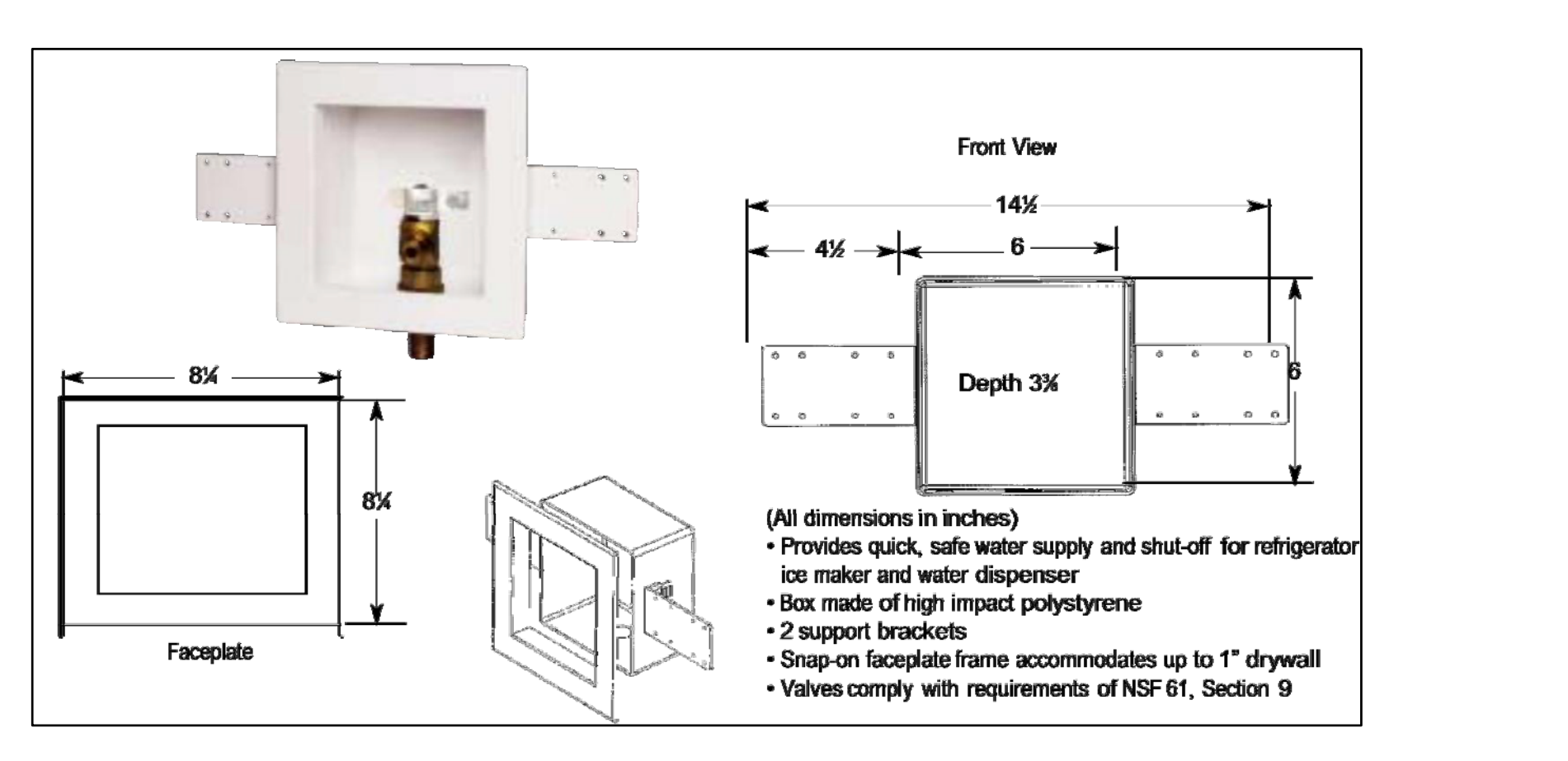


FIRE DAMPER (INSIDE DUCT) DETAIL

- NOTES:**
- OPENINGS IN WALL SHALL BE 1/8" PER FOOT LARGER THAN DAMPER DIMENSIONS (5/16" LARGER PER FOOT FOR STAINLESS STEEL). MINIMUM CLEARANCE OF 1/4" REQUIRED FOR ALL INSTALLATIONS.
 - SLEEVE GAUGE SHALL BE AT LEAST EQUAL TO THE GAUGE OF THE DUCT AS DEFINED BY THE APPROPRIATE SMACNA DUCT CONSTRUCTION STANDARDS AND NFPA 90A, WHEN ONE OR MORE OF THE FOLLOWING DUCT SLEEVE CONNECTIONS ARE USED:
 - A. PLAIN "S" SLIP.
 - B. HEMMED "S" SLIP.
 - C. STANDING "S" SLIP.
 - D. REINFORCED STANDING "S" SLIP.
 - E. INSIDE SLIP JOINT.
 - F. DOUBLE "S" SLIP.
 - IF ANY OTHER DUCT SLEEVE CONNECTIONS ARE USED, THE SLEEVE SHALL BE MINIMUM 16-GAUGE FOR DAMPERS UP TO 36"W x 24"H AND 14-GAUGE IF WIDTH EXCEEDS 36" OR HEIGHT EXCEEDS 24".
 - MOUNTING ANGLE SHALL BE MINIMUM OF 2"x14"-GAUGE AND BOLTED, TACK WELDED OR SCREWED TO SLEEVE AT MAXIMUM SPACING OF 12" AND WITH MINIMUM OF TWO CONNECTIONS IN EACH SIDE, TOP AND BOTTOM. MOUNTING ANGLES SHALL OVERLAP WALL A MINIMUM OF 1" ON ALL FOUR SIDES.
 - DAMPER SHALL BE BOLTED, TACK WELDED OR SCREWED TO SLEEVE ON SAME SPACING AS ANGLES. SLEEVES SHALL NOT EXTEND MORE THAN 6" OUTSIDE OF WALL.

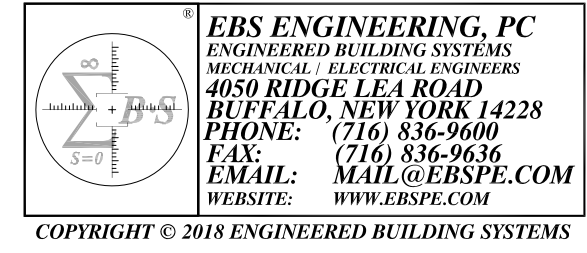


BRANCH PIPING TAKEOFF DETAIL



COFFEE MACHINE VALVE BOX DETAIL

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Endeavor Health Services

1131 Broadway
Buffalo, NY

ISSUE:
05-22-18: ISSUED FOR BID/PERMIT

SA PROJECT TEAM: PRINCIPAL P.Silvestri
PROJ. ARCH. _____ DRAFTER _____
JOB CAPT. _____ INTERIORS _____

SEAL:

TITLE:
MECHANICAL & PLUMBING SYMBOLS, ABBREV. & DETAILS

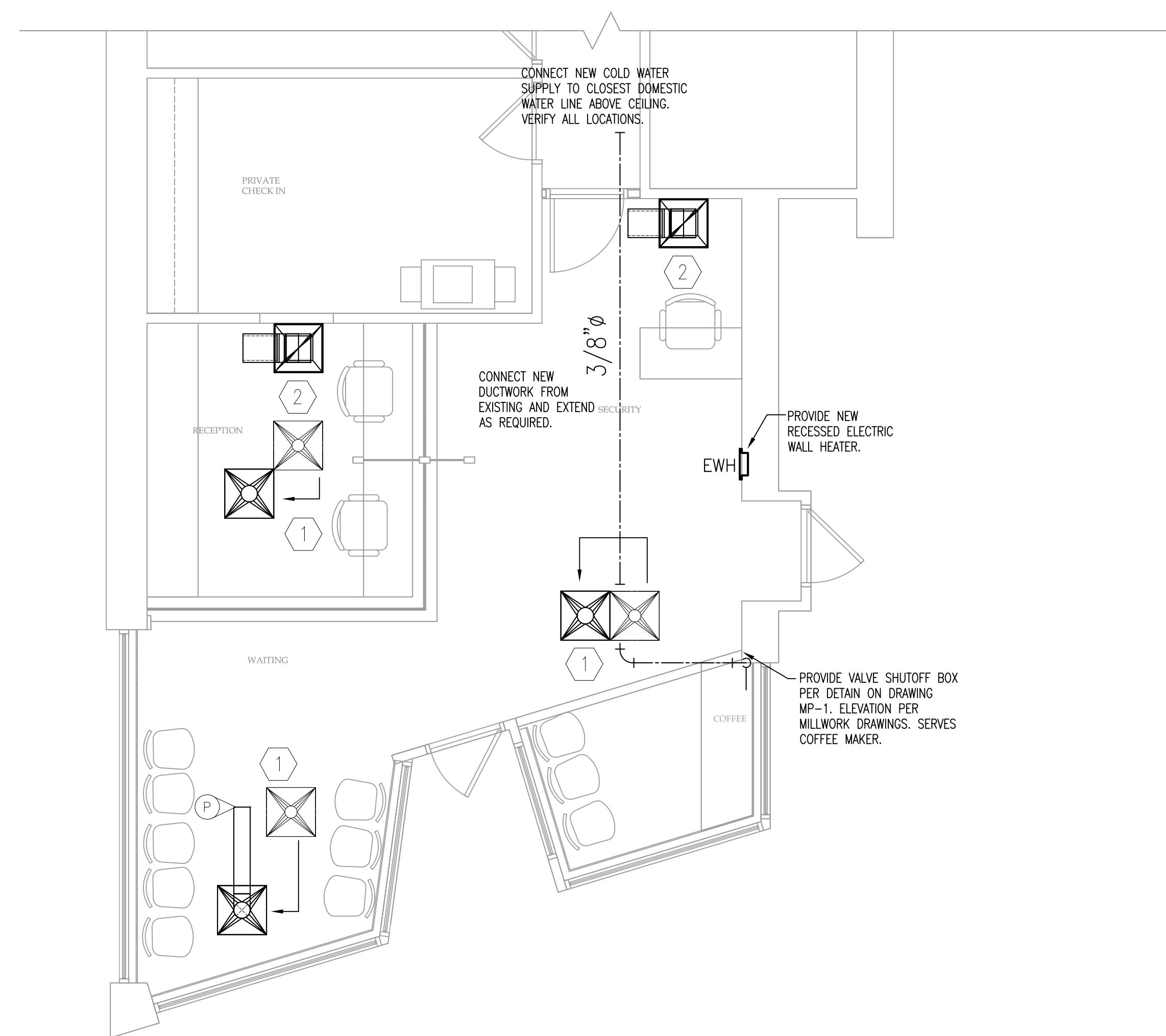


SILVESTRI ARCHITECTS PC

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SA JOB #: 14121 DATE: 05-22-18

DRAWING #: MP-1



1 FLOOR PLAN - HVAC AND PLUMBING
 SCALE: 1/4" = 1'-0"

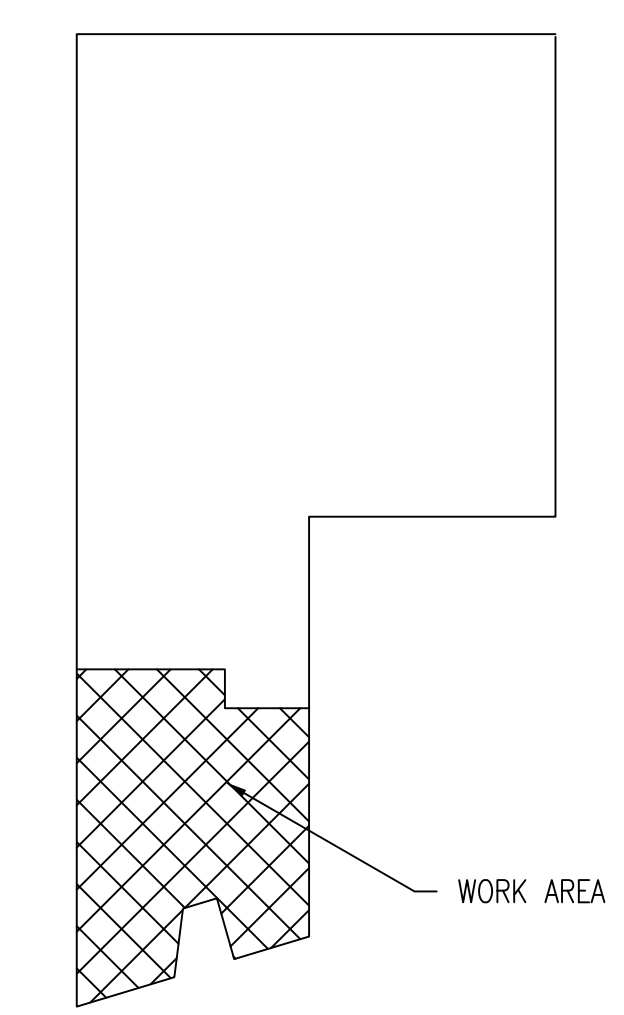
HVAC KEYED NOTES: #

1. MOVE EXISTING DIFFUSER TO NEW LOCATION SHOWN AND PROVIDE NEW DIFFUSER. EXTEND DUCTWORK AND PROVIDE NEW FLEXIBLE DUCT CONNECTION AS REQUIRED.
2. PROVIDE NEW 24"x24" RETURN AIR REGISTER.

HVAC GENERAL NOTES:

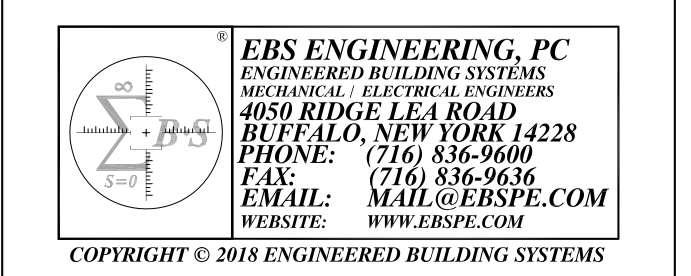
- A. HVAC SYSTEM IS EXISTING WITH CONTROLS AND SHALL BE UTILIZED TO SUPPORT THE REMODEL.
- B. PRIOR TO PERFORMING ANY WORK, MEASURE AIRFLOWS AT EACH DIFFUSER SUPPLY AIR TERMINAL AND RECORD TO ASSIST WITH BALANCING TO BE COMPLETED AT THE END OF CONSTRUCTION.
- C. ALL AIR DEVICES WHICH ARE TO REMAIN SHALL BE CLEANED AND FREE FROM DAMAGE. REPLACE ALL DAMAGED AIR TERMINALS.
- D. THERMOSTATS WHICH ARE EXISTING AND TO REMAIN SHALL BE INSPECTED AND TESTED FOR FUNCTION. REPLACE ANY DAMAGED THERMOSTATS WITH SIMILAR STYLE IF REQUIRED.
- E. AIRFLOWS OF RELOCATED DIFFUSERS SHOULD MATCH EXISTING AIRFLOWS. ADJUST NECK SIZES ON NEW DIFFUSERS AS REQUIRED. 8" NECK SIZES SUGGESTED.

THE SUITE IS EXISTING WITH THE MAJORITY OF THE HVAC SCHEDULED TO REMAIN AND CONSISTING OF FURNACES AND ASSOCIATED DUCTWORK. ALL PROSPECTIVE CONTRACTORS SHOULD VISIT THE SITE PRIOR TO SUBMITTING THEIR BID AND FAMILIARIZE THEMSELVES WITH CONDITIONS.



2 KEY PLAN
 SCALE: N.T.S.

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SA PROJECT TEAM: PRINCIPAL P. Silvestri
 PROJ. ARCH. _____ DRAFTER _____
 JOB CAPT. _____ INTERIORS _____

SEAL:

TITLE:
MECHANICAL & PLUMBING REQUIRED WORK



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SA JOB #: 14121 DATE: 05-22-18

DRAWING #: MP-2

ELECTRICAL SYMBOLS LEGEND
NOT ALL SYMBOLS MAY BE REPRESENTED ON DRAWINGS

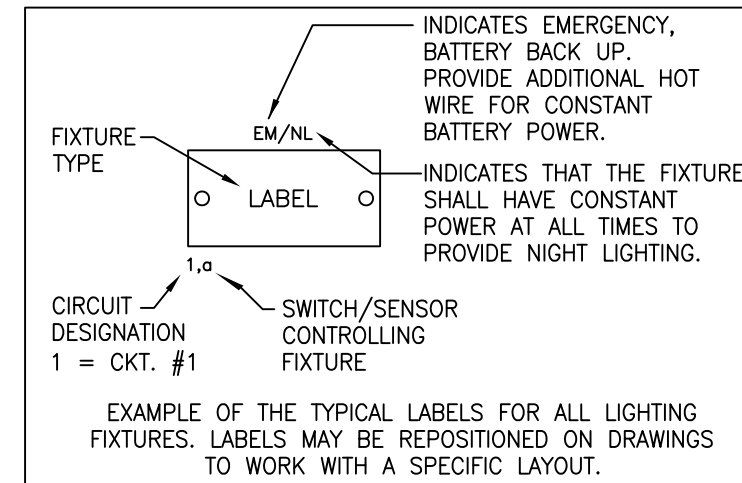
POWER SYMBOLS	LIGHTING CONTROL SYMBOLS	FIRE ALARM SYMBOLS
HOMERUN TO PANELBOARD 2#12, 1#12G IN 1/2" UNLESS SHOWN OTHERWISE.	TOGGLE SWITCH. LOWER CASE LETTER IS CONTROL (SINGLE-POLE).	FACP FIRE ALARM CONTROL PANEL
JUNCTION BOX (SIZE AS REQUIRED)	TOGGLE SWITCH. LOWER CASE LETTER IS CONTROL (SINGLE-POLE, 3-WAY)	FARP FIRE ALARM REMOTE ANNUNCIATOR PANEL
CONDUIT/WIRE BREAK	DIMMER. LOWER CASE LETTER INDICATES CONTROL (SINGLE-POLE)	F FIRE ALARM PULLSTATION - INSTALL 48" A.F.F. TO CENTER OF BOX
CONDUIT STUB OUT	DIMMER (SINGLE-POLE). SHALL BE SUITABLE FOR DIMMING LED LAMPS. PROVIDE WIRING FOR 0-10V DIMMING. LOWER CASE LETTER INDICATES CONTROL.	S PHOTOELECTRIC SMOKE DETECTOR WITH STANDARD BASE. WIRE INTO INITIATING CIRCUITS OF BUILDING FIRE ALARM SYSTEM. INSTALL @ FINISHED CEILING.
CONDUIT STUB-DOWN	DIMMER (SINGLE-POLE, 3-WAY). SHALL BE SUITABLE FOR DIMMING LED LAMPS. PROVIDE WIRING FOR 0-10V DIMMING. LOWER CASE LETTER INDICATES CONTROL.	CS COMBINATION CARBON MONOXIDE / PHOTOELECTRIC SMOKE DETECTOR WITH AN AUDIBLE BASE. WIRE INTO INITIATING / SUPERVISORY / SIGNALING CIRCUITS OF BUILDING FIRE ALARM SYSTEM. INSTALL @ FINISHED CEILING.
CONDUIT STUB-UP	M MOMENTARY CONTACT SWITCH (SINGLE-POLE)	H HEAT DETECTOR - FIXED TEMPERATURE OF 135°, WIRED INTO INITIATING CIRCUITS OF BUILDING FIRE ALARM SYSTEM. INSTALL @ FINISHED CEILING.
208Y/120V RECESSED OR SURFACE MOUNTED PANELBOARD	DOS DUAL TECHNOLOGY OCCUPANCY SENSOR, WALL MOUNTED. OCCUPANCY TIME DELAY = 15 MINUTES. ON MODE = MANUAL ACUITY CONTROLS - SENSOR SWITCH #WSX-PDT-SA-WH PROGRAM OCC. SENSOR FOR MANUAL CONTROL. PROGRAM AUTOMATIC CONTROL FOR ALL PUBLIC AREA'S I.e. PUBLIC RESTROOMS. SHALL MEET 2015 IECC REQUIREMENTS.	CH COMBINATION CARBON MONOXIDE / HEAT DETECTOR. FIXED TEMPERATURE OF 135° WITH AN AUDIBLE BASE. WIRE INTO INITIATING / SUPERVISORY / SIGNALING CIRCUITS OF BUILDING FIRE ALARM SYSTEM. INSTALL @ FINISHED CEILING.
480Y/277V RECESSED OR SURFACE MOUNTED PANELBOARD	MS LOW-VOLTAGE, DUAL TECHNOLOGY, SMALL MOTION CEILING OCCUPANCY SENSOR. OCCUPANCY TIME DELAY = 15 MINUTES. ACUITY CONTROLS - SENSOR SWITCH #CM-PDT-9 ADC	CO CARBON MONOXIDE DETECTOR WITH AUDIBLE BASE. WIRE INTO SUPERVISORY CIRCUITS OF BUILDING FIRE ALARM SYSTEM. INSTALL @ FINISHED CEILING.
ELECTRIC MOTOR - PROVIDED & INSTALLED BY OTHERS. WIRED BY E.C. SEE EQUIPMENT WIRING SCHEDULE FOR ELEC. REQUIREMENTS	COMMUNICATION SYMBOLS	
RECEPTACLE (SIMPLEX) # INDICATES CKT.	S SYMBOL SIGNIFIES THAT THE E.C. SHALL SUPPLY A SINGLE-GANG ELECTRICAL BOX AND INSTALL 18" A.F.F., UNLESS OTHERWISE NOTED. SUPPLY 3/4" EMT CONDUIT AND INSTALL VERTICALLY WITHIN WALL FROM ELECTRICAL BOX STUBBING CONDUIT OUT FROM WALL INTO ACCESSIBLE CEILING SPACE. SUPPLY CONDUIT WITH PLASTIC BUSHINGS AND A PULLSTRING. ELECTRICAL BOX & CONDUIT SHALL BE UTILIZED FOR THE INSTALLATION OF COMMUNICATION CONNECTORS (IE: TELEPHONE & DATA) WITH WALLPLATE & ASSOCIATED WIRING, CONNECTORS, WALLPLATE, WIRING ETC... SHALL BE PROVIDED & INSTALLED BY OTHERS.	DS DUCT SMOKE DETECTOR - WIRED INTO INITIATING CIRCUITS OF BUILDING FIRE ALARM SYSTEM. INSTALL WITHIN HVAC DUCTWORK.
RECEPTACLE (DUPLEX) # INDICATES CKT.		A AUDIO DEVICE (WALL) - WIRED INTO SIGNALING CIRCUITS OF BUILDING FIRE ALARM SYSTEM. INSTALL 80" A.F.F. TO BOTTOM OF BOX
RECEPTACLE (QUAD) # INDICATES CKT.		V VISUAL DEVICE (WALL) - WIRE INTO SIGNALING CIRCUITS OF BUILDING FIRE ALARM SYSTEM. INSTALL 80" A.F.F. TO BOTTOM OF BOX
RECEPTACLE (DUPLEX) W/ GROUND FAULT PROTECTION. # INDICATES CKT.		K COMBINATION AUDIO/VISUAL DEVICE (WALL) - WIRE INTO SIGNALING CIRCUITS OF BUILDING FIRE ALARM SYSTEM. INSTALL 80" A.F.F. TO BOTTOM OF BOX
RECEPTACLE (QUAD) W/ GROUND FAULT PROTECTION. # INDICATES CKT.		S STROBE DEVICE (CEILING) - WIRED INTO SIGNALING CIRCUITS OF BUILDING FIRE ALARM SYSTEM. INSTALL @ FINISHED CEILING.
COMBINATION MOTOR STARTER/FUSED DISCONNECT SWITCH	CR MAGNETIC DOOR HOLDER - TO BE INSTALLED WITHIN WALL & WIRED INTO BUILDING FIRE ALARM SYSTEM AS REQUIRED.	RT REMOTE TEST STATION
NON-FUSED DISCONNECT SWITCH		
FUSED DISCONNECT SWITCH		
ELECTRIC DOOR STRIKE. E.C. TO SUPPLY ES WITH A 120V POWER CONNECTION. VERIFY POWER TERMINATION REQUIREMENTS TO ES IN FIELD. ELECTRIC DOOR STRIKE, ASSOCIATED LOW-VOLTAGE WIRING & ADDITIONAL SYSTEM DEVICES/EQUIPMENT TO BE PROVIDED AND INSTALLED BY SECURITY SYSTEM CONTRACTOR.		
HANDS-FREE INTERCOM STATION WITH CALL BUTTON. E.C. TO PROVIDE SINGLE-GANG ELECTRICAL BOX & INSTALL 48" A.F.F. WITH 3/4" EMT CONDUIT INSTALLED VERTICALLY, WITHIN WALL, FROM ELECTRICAL BOX STUBBING CONDUIT OUT FROM WALL IN ACCESSIBLE CEILING SPACE. PROVIDE CONDUIT WITH PLASTIC BUSHINGS AND A PULLSTRING. ELECTRICAL BOX & CONDUIT SHALL BE UTILIZED FOR IS INSTALLATION WITH ASSOCIATED LOW-VOLTAGE WIRING. INTERCOM STATION, LOW-VOLTAGE WIRING & ADDITIONAL SYSTEM DEVICES/EQUIPMENT TO BE PROVIDED AND INSTALLED BY SECURITY SYSTEM CONTRACTOR.		

GENERAL NOTES TO ELECTRICAL SYMBOLS LEGEND:

- UTILIZE TYPE "MC" CABLE IN CONCEALED AREAS UNLESS NOTED OTHERWISE. EXPOSED ELECTRICAL WORK SHALL BE INSTALLED WITHIN CODE SIZED CONDUIT WITH STEEL SET SCREW FITTINGS.
- MULTIWIRE BRANCH CIRCUITS SHALL BE INSTALLED PER ALL REQUIREMENTS OF N.E.C. ARTICLE 210.4. HANDLE TIES MUST BE INSTALLED TO IDENTIFY SINGLE-POLE, MULTIWIRE BRANCH CIRCUITS PER ALL REQUIREMENTS OF N.E.C. ARTICLE 240.15(B).
- ALL STANDARD RECEPTACLES SHALL BE INSTALLED 18" A.F.F., TO CENTER OF BOX, FLUSH TO FINISHED WALL, UNLESS OTHERWISE NOTED.
- ALL INTERIOR GFI RECEPTACLES SHALL BE INSTALLED 44" A.F.F., TO CENTER OF BOX/ABOVE COUNTER TOP. FLUSH TO FINISHED WALL, UNLESS OTHERWISE NOTED. COORDINATE INSTALLATION HEIGHT WITH ARCHITECTURAL MILLWORK/ELEVATION PLANS WHEN APPLICABLE.
- ALL EXTERIOR GFI RECEPTACLES SHALL BE INSTALLED HORIZONTALLY 24" A.F.F., TO CENTER OF BOX, FLUSH TO FINISHED WALL, UNLESS OTHERWISE NOTED. PROVIDE A WEATHERPROOF COVERPLATE FOR EXTERIOR USE.
- ALL TOGGLE SWITCHES, DIMMERS, KEVED SWITCHES ETC... SHALL BE INSTALLED 48" A.F.F., TO CENTER OF BOX, FLUSH TO FINISHED WALL, UNLESS OTHERWISE NOTED.
- ELECTRICAL DEVICES WITHIN HANDICAP ACCESSIBLE ROOMS SHALL BE INSTALLED AT HEIGHTS PER ADA REQUIREMENTS.
- COMMUNICATION DEVICES (IE: TELEPHONE, DATA, CATV) SHALL BE INSTALLED 18" A.F.F., TO CENTER OF BOX, FLUSH TO FINISHED WALL, UNLESS OTHERWISE NOTED.
- FIRE ALARM DEVICES SHALL BE INSTALLED AS NOTED IN INDIVIDUAL DESCRIPTIONS.

LIGHTING FIXTURE SCHEDULE

SYMBOL/ DESIGNATION	DESCRIPTION	LAMP (QTY/TYPER/COLOR)	VOLT	VA	MOUNTING	MANUFACTURER/ MODEL #
FA	2'X2' LAY-IN LED TROFFER, COLD ROLLED STEEL HOUSING WITH ACRYLIC CURVED DIFFUSER.	LED/3500°K 3300 LUMENS	120/277V	33W	RECESSED GRID	LITHONIA LIGHTING: 2BLT2-33L-ADP-EZ1-LP835
FB	4" DIAMETER OPEN LED DOWNLIGHT, GALVANIZED STEEL FRAME AND SEMI-SPECULAR FINISH.	LED/3500°K 1500 LUMENS	120/277V	18W	RECESSED	LITHONIA LIGHTING: LDN4-35-15-L06-AR-L55-MVOLT-EZ10
EXIT	EXIT SIGN, UNIVERSAL MOUNT WITH CANOPY, WHITE IMPACT & SCRATCH RESISTANT THERMOPLASTIC HOUSING, 8" STENCILED RED LETTERS WITH LED LAMPS & AN INTEGRAL BATTERY PACK.	LED - FURNISHED WITH FIXTURE	120/277V	N/A	WALL/CEILING - TO BE DETERMINED BY E.C.	LITHONIA LIGHTING: "QUANTUM" LOM-S-W-3-R-120/277-ELN
E	EMERGENCY LED FIXTURE W/WHITE IMPACT & SCRATCH RESISTANT THERMOPLASTIC HOUSING, TWIN ADJ. HEADS & AN INTEGRAL BATTERY PACK.	TWO 1.5W/3.6V LEDs FURNISHED WITH FIXTURES	120/277V	N/A	WALL-8"-0" A.F.F. or 8" FROM FINISHED CEILING	LITHONIA LIGHTING: "QUANTUM" ELM2-LED
HO	EMERGENCY LED FIXTURE W/WHITE IMPACT & SCRATCH RESISTANT THERMOPLASTIC HOUSING, TWIN ADJ. HEADS & HIGH OUTPUT INTEGRAL BATTERY PACK.	TWO 1.5W/3.6V LEDs FURNISHED WITH FIXTURES	120/277V	N/A	WALL-8"-0" A.F.F. or 8" FROM FINISHED CEILING	LITHONIA LIGHTING: "QUANTUM" ELM2-LED-HO
E	REMOTE EMERGENCY LED FIXTURE WITH TWIN ADJUSTABLE LAMP HEADS AND A WEATHER-PROOF ALUMINUM HOUSING. FOR AN EMERGENCY EGRESS ILLUMINATION.	TWO 1.5W/3.6V LEDs	3.6V	N/A	WALL ±8"-6" A.F.F.	LITHONIA LIGHTING: ELA-T-QWP-L0304 (ELM2)



GENERAL NOTES TO LIGHTING FIXTURE SCHEDULE:

- CONTRACTOR TO VERIFY VOLTAGE SUPPLY TO EACH FIXTURE BEFORE ORDERING.
- FURNISH ALL FIXTURES COMPLETE WITH LAMPS.
- ALL LIGHTING FIXTURES SHALL CONFORM, AS A MINIMUM STANDARD, TO THE APPLICABLE PORTIONS OF THE FEDERAL SPECIFICATIONS.
- EACH LIGHTING FIXTURE SHALL BE SUPPORTED IN ACCORDANCE WITH ALL APPLICABLE CODE REQUIREMENTS.
- PROVIDE "EARTHQUAKE CLIPS" ON LAY-IN (OR GRID) TROFFERS.
- WHERE FIXTURES ARE INSTALLED ON DRYWALL CEILINGS, THEY SHALL BE SUPPORTED FROM THE CEILING FRAMING SYSTEM OR THE BUILDING STRUCTURE. SUPPORT FROM DRYWALL IS NOT ACCEPTABLE.
- FIXTURES DESIGNATED "NL" SHALL BE PROVIDED WITH A CONSTANT POWER CONNECTION IN ORDER TO REMAIN ON AT ALL TIMES.
- FIXTURES DESIGNATED "EM" SHALL HAVE BATTERY BACKUP FOR EMERGENCY LIGHTING. EMERGENCY LIGHTING BATTERY PACKS SHALL PROVIDE 1-1/2 HOURS OF RELATED LAMP OPERATION.
- ELECTRICAL CONTRACTOR SHALL VERIFY THE REQUIREMENT OF FLANGE KITS FOR FIXTURES IN ALL AREAS PRIOR TO ORDERING. SEE ARCHITECTURAL DRAWINGS FOR RCP DETAILS.

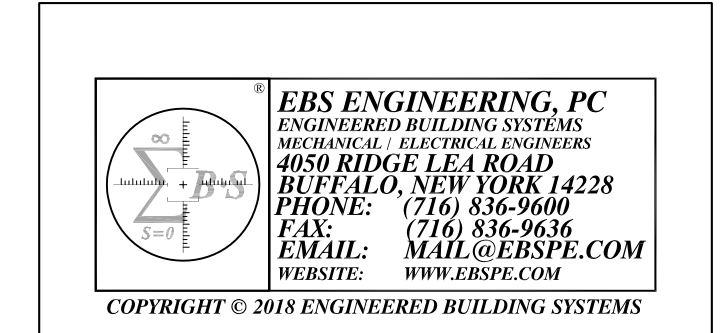
GENERAL SYMBOLS & ABBREVIATION
NOT ALL ABBREVIATIONS MAY BE REPRESENTED ON DRAWINGS

SIGNIFIES EXISTING ELECTRICAL EQUIPMENT/ DEVICES TO REMAIN	GFI GND HOA HVAC HZ IG IMC INT INT KCMIL KVA KVAR LC LFMC MAU	GROUND FAULT CIRCUIT INTERRUPTER GROUND HAND-OFF-AUTOMATIC SWITCH HEATING, VENTILATION, AIR CONDITIONING HERTZ ISOLATED GROUND INTERMEDIATE METAL CONDUIT INTERLOCK THOUSAND CIRCULAR MILS KILOVOLT-AMPERES KILOVOLT-AMPERES REACTIVE LIGHTING CONTACTOR LIQUID TIGHT FLEXIBLE METAL CONDUIT MAKE-UP AIR UNIT
SIGNIFIES EXISTING ELECTRICAL EQUIPMENT/ DEVICES TO BE REMOVED	MCA MCB MCC MCP MIN MLO NA NAC NAC NFPA NL NO NTS OVC OHE PB PC PNL PWR PT QTY RGS RMC RNC RTS RTU ST UC UGE UL V VA W WG WP XFMR	MECHANICAL CONTRACTOR MINIMUM CIRCUIT AMPS MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER MOTOR CIRCUIT PROTECTION MINIMUM MAIN LUGS ONLY NOT APPLICABLE NOTIFICATION APPLIANCE CIRCUIT NORMALLY CLOSED NATIONAL ELECTRICAL CODE NATIONAL FIRE PROTECTION ASSOCIATION NIGHT LIGHT NORMALLY OPEN NOT TO SCALE OVER COUNTER OVER HEAD ELECTRIC PULL BOX PLUMBING CONTRACTOR PANEL POWER POTENTIAL TRANSFORMER QUANTITY RIGID GALVANIZED STEEL RIGID METAL CONDUIT RIGID NON-METALLIC CONDUIT REMOTE TEST STATION ROOF TOP UNIT SHUNT TRIP UNDER GROUND COMMUNICATIONS UNDER GROUND ELECTRIC UNDERWRITERS LABORATORY VOLT VOLT-AMPERE WATT WIRE GUARD WEATHER PROOF TRANSFORMER
KEYNOTE		
REVISION TAG		
PHASE		
AMPERES		
ALTERNATING CURRENT		
AIR CONDITIONING		
AMPERE FRAME		
ABOVE FINISHED FLOOR		
AIR HANDLING UNIT		
AMPERE INTERRUPTING CAPACITY		
ALUMINUM		
AMPERE TRIP		
AUTOMATIC TRANSFER SWITCH		
AMERICAN WIRE GAUGE		
CONDUIT		
CABLE TELEVISION		
CIRCUIT BREAKER		
CIVIL CONTRACTOR		
CLOSED CIRCUIT TELEVISION		
CANDLE		
CIRCUIT		
CURRENT LIMITING FUSE		
CEILING MOUNT		
CONTROL POWER TRANSFORMER		
CURRENT TRANSFORMER		
COPPER		
DIRECT CURRENT		
DIAMETER		
ELECTRICAL CONTRACTOR		
EXHAUST FAN		
ELEVATOR		
EMERGENCY		
ELECTRICAL METALLIC TUBING		
EMERGENCY POWER OFF		
EXISTING TO REMAIN		
EXISTING		
ELECTRIC WATER COOLER		
FUSE		
FIRE ALARM ANNUNCIATOR		
FAN COIL UNIT		
FULL LOAD AMPERES		
FLEXIBLE METAL CONDUIT		
GROUND		
GENERAL CONTRACTOR		

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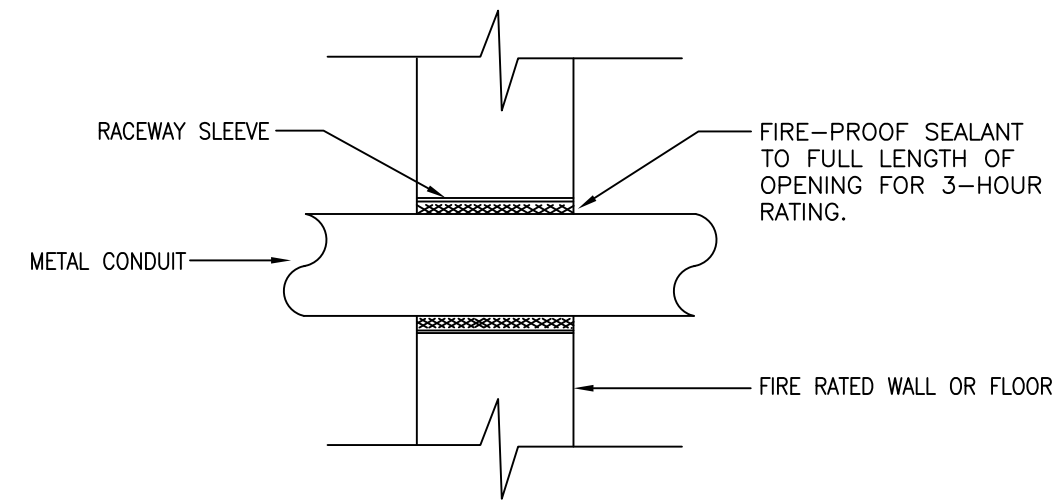
TITLE:
ELECTRICAL SYMBOLS, ABBREV. & LIGHTING SCHEDULE

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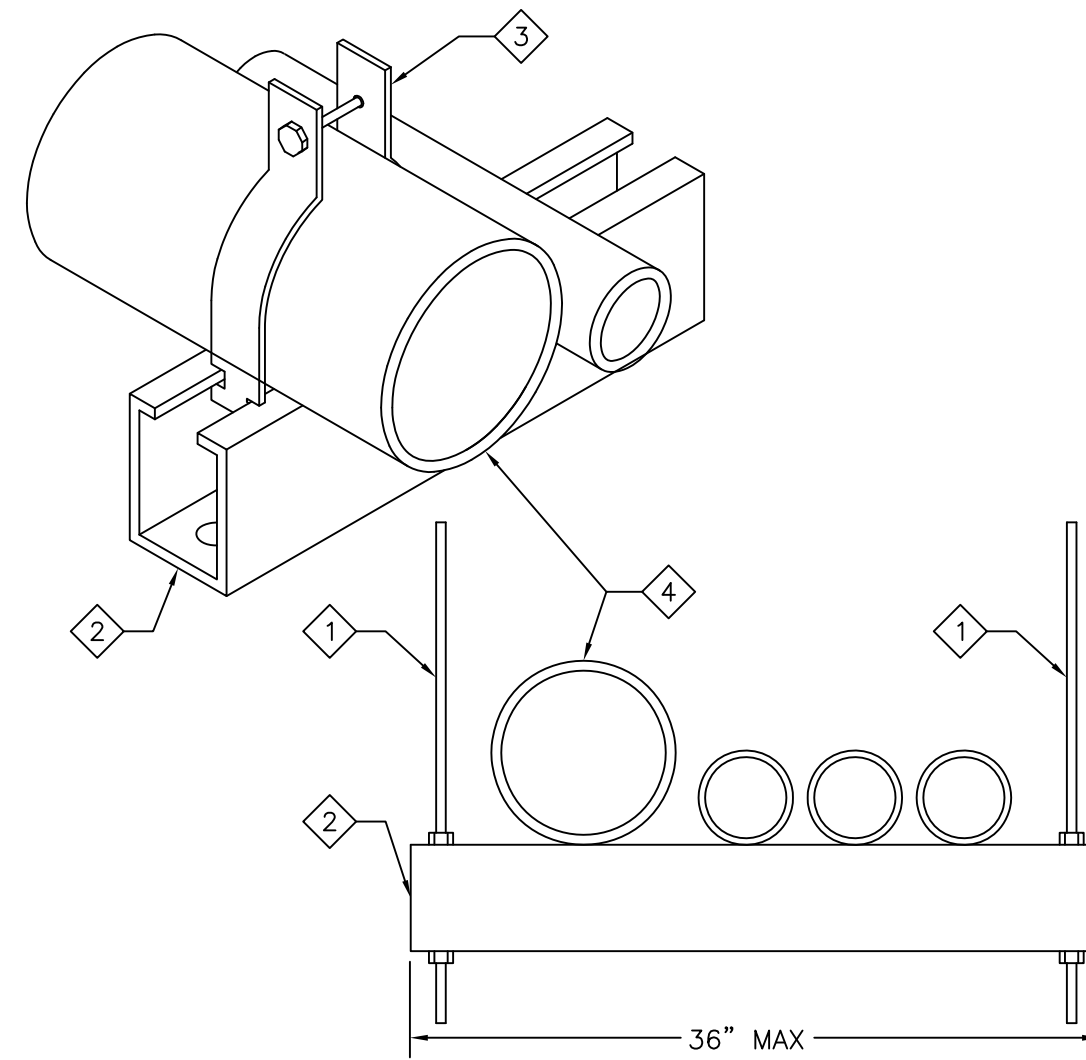
SA JOB #: **14121** DATE: **05-22-18**

DRAWING #: **E-1**



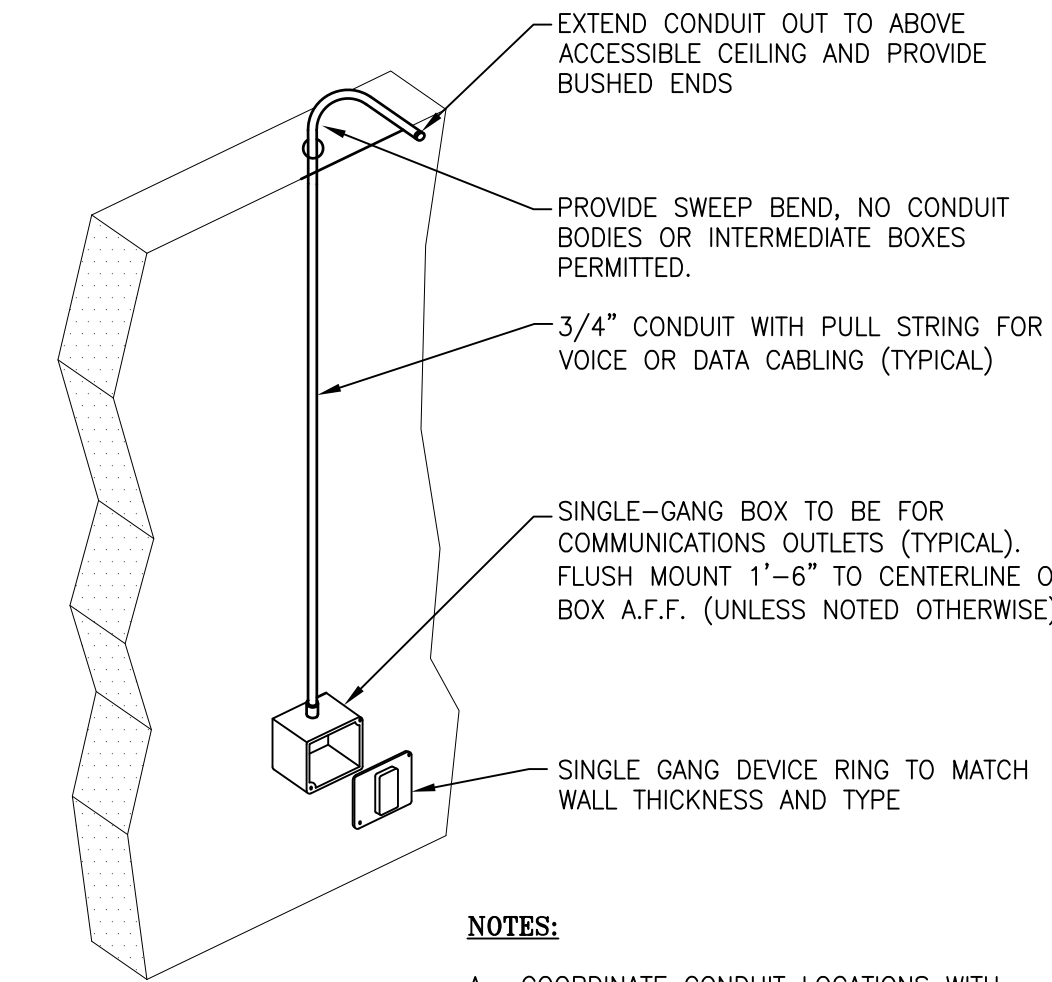
- NOTES:**
- CORE DRILL THROUGH EXISTING OR NEW CONCRETE WALL.
 - ELECTRICAL CONTRACTOR SHALL PROVIDE NECESSARY PENETRATIONS FOR CONDUIT SLEEVES AND FIRESTOP AS INDICATED ABOVE. THIS DETAIL IS TYPICAL FOR ALL FLOOR TO FLOOR AND FIREWALL PENETRATIONS.

1
E-2 **RACEWAY PENETRATION THRU FIRE RATED WALL/FLOOR**
SCALE: N.T.S. Electrical Detail



- NOTES:**
- DETAIL SHOWN FOR REFERENCE ONLY. INSTALL AND WIRE PER MANUFACTURE INSTRUCTIONS.
 - PROGRAMMING FUNCTIONS SHALL REMAIN AT DEFAULT SETTING EXCEPT FOR AS FOLLOWS:
 -OCCUPANCY TIME DELAY = 15 MINUTES
 -ON MODE = SET FOR MANUAL ON CONTROL (OFFICES, JANITOR CLOSETS, STORAGE RMS, ETC. PER IECC)
 -ON MODE = SET FOR AUTO ON CONTROL (PUBLIC SPACES, I.E. RESTROOMS, CONFERENCE ROOMS, ETC. PER IECC)

2
E-2 **TYPICAL WALL SWITCH OCCUPANCY SENSOR (TYP.)**
SCALE: N.T.S. Electrical Detail



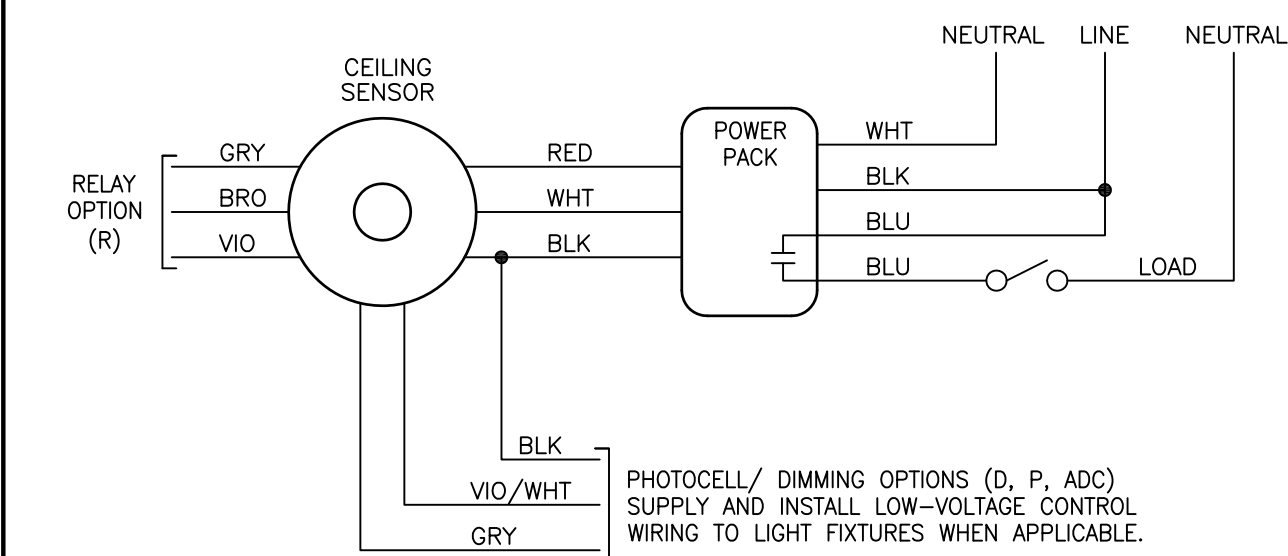
- NOTES:**
- COORDINATE CONDUIT LOCATIONS WITH OTHER TRADES PRIOR TO INSTALLATION.

3
E-2 **COMMUNICATIONS (DATA/TELEPHONE) BOX AND CONDUIT INSTALLATION DETAIL**
SCALE: N.T.S. Electrical Detail

NOT TO SCALE

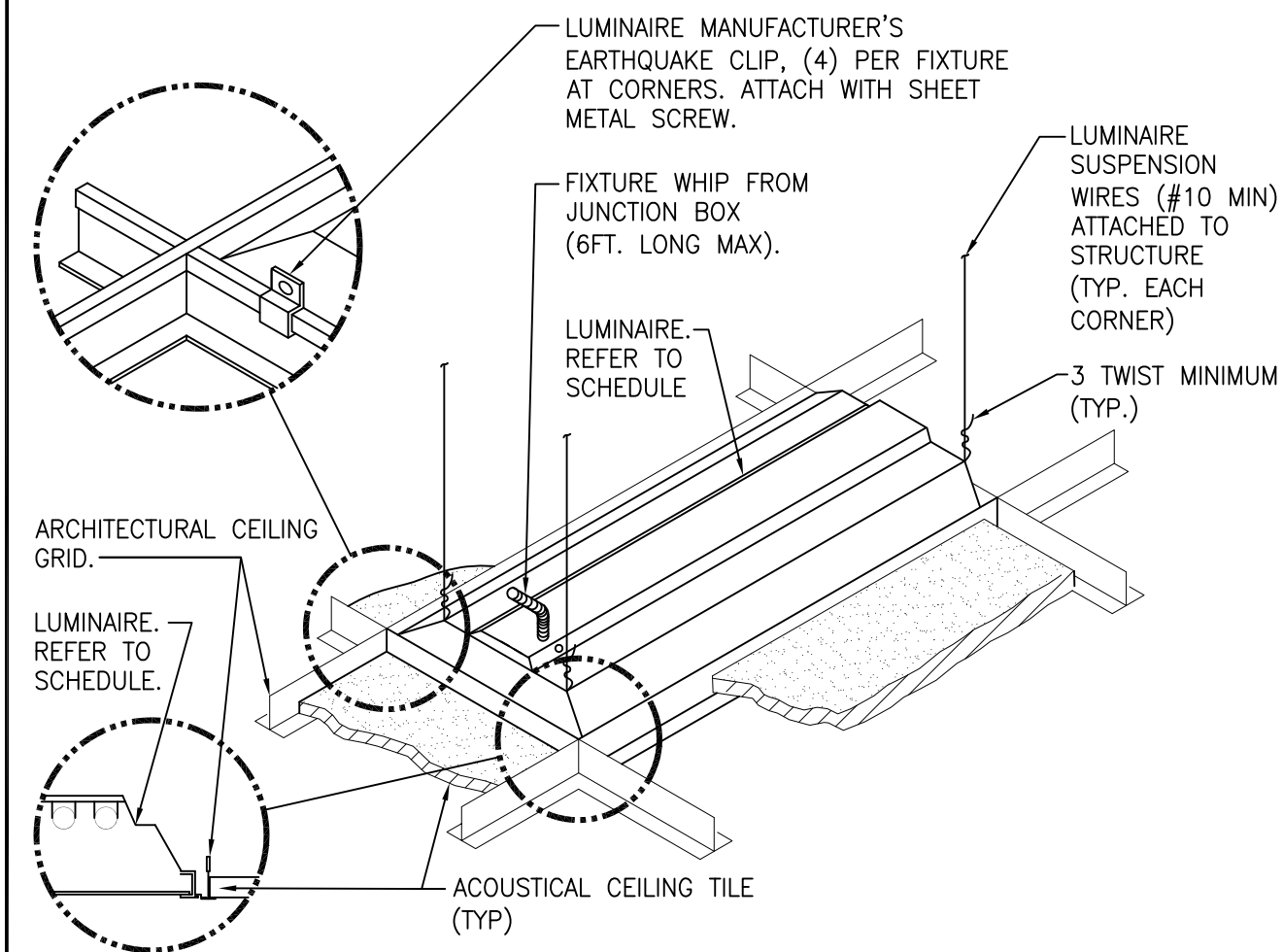
MARK	DESCRIPTION
1.	1/2" THREADED GALVANIZED STEEL RODS.
2.	1-1/2" SQ. 12 GAUGE MINIMUM GALVANIZED STEEL CHANNEL.
3.	SINGLE BOLT CHANNEL 2 PIECE CONDUIT STRAPS.
4.	CONDUIT SIZED AS NOTED ON DRAWINGS.
5.	CONTRACTOR MAY USE A CONDUIT SUSPENSION SYSTEM EQUIVALENT TO THAT WHICH IS DETAILED, HAVING THE FEATURES SHOWN AND APPROVED IN ADVANCE BY THE RESIDENT ENGINEER.
6.	PROVIDE A SAMPLE SUPPORT SYSTEM TO KEEP ON JOB SITE FOR CONSTRUCTION GUIDE PURPOSES.
7.	CONDUIT SUSPENSION SYSTEM SHALL BE INDEPENDENT OF ANY OTHER SUSPENSION SYSTEM.

4
E-2 **CONDUIT/TRAPEZE MOUNTING DETAIL**
SCALE: N.T.S. Electrical Detail

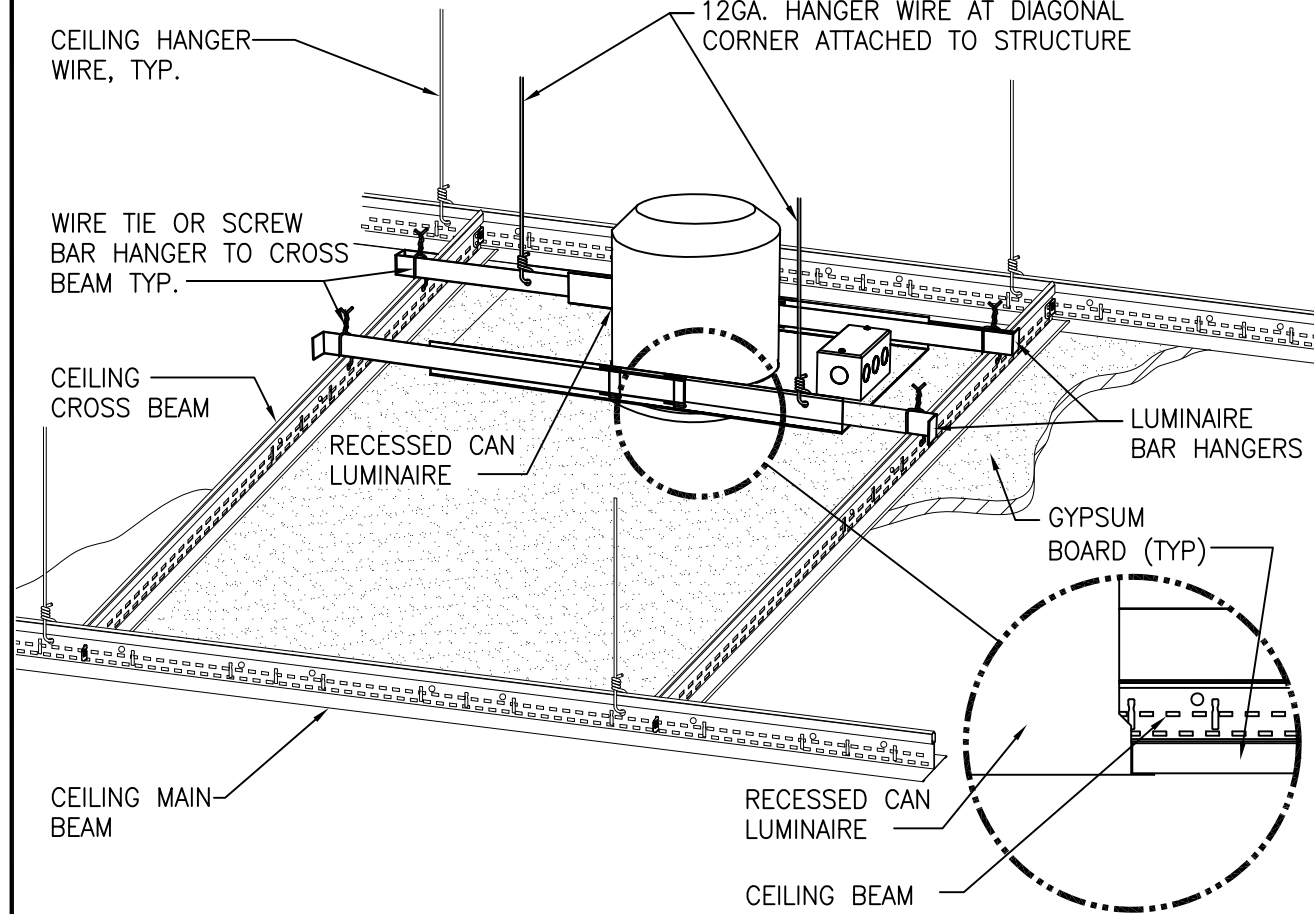


- NOTES:**
- DETAIL SHOWN FOR REFERENCE ONLY. INSTALL AND WIRE PER MANUFACTURE INSTRUCTIONS.
 - PROGRAMMING FUNCTIONS SHALL REMAIN AT DEFAULT SETTING EXCEPT FOR AS FOLLOWS:
 -OCCUPANCY TIME DELAY = 30 MINUTES
 -PHOTOCELL MODE = DIM ONLY, NO OFF
 -DIMMING RANGE = 10V HIGH, 3V LOW

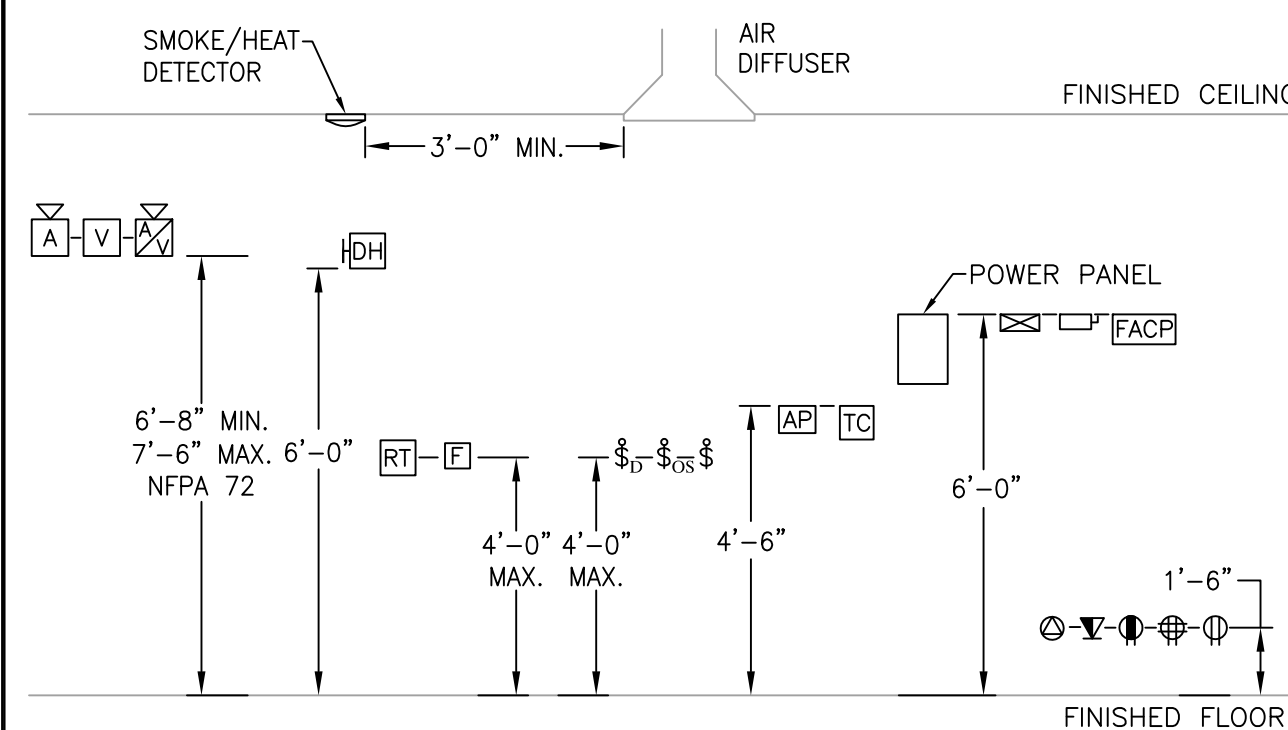
5
E-2 **TYPICAL LOW-VOLTAGE CEILING MOUNT OCCUPANCY SENSOR**
SCALE: N.T.S. Electrical Detail



6
E-2 **LUMINAIRE MOUNTING-LAY-IN. CEILING**
SCALE: N.T.S. Electrical Detail



7
E-2 **DOWNLIGHT MOUNTING-GYP. CEILING**
SCALE: N.T.S. Electrical Detail



- NOTES:**
- ALL DEVICES SHOWN MAY NOT BE USED ON DRAWING.
 - DIMENSIONS ARE TO CENTER OF BOX, UNLESS OTHERWISE NOTED.
 - FIRE ALARM DEVICES ARE TO BOTTOM OF STROBE LENS.
 - ALL DIMENSIONS SHOWN ARE ACCURATE UNLESS NOTED OTHERWISE.

8
E-2 **MOUNTING HEIGHT DETAIL**
SCALE: N.T.S. Electrical Detail

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1131 Broadway
Buffalo, NY

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SA PROJECT TEAM: PRINCIPAL P. Silvestri
PROJ. ARCH. _____ DRAFTER _____
JOB CAPT. _____ INTERIORS _____

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TITLE:
ELECTRICAL DETAILS

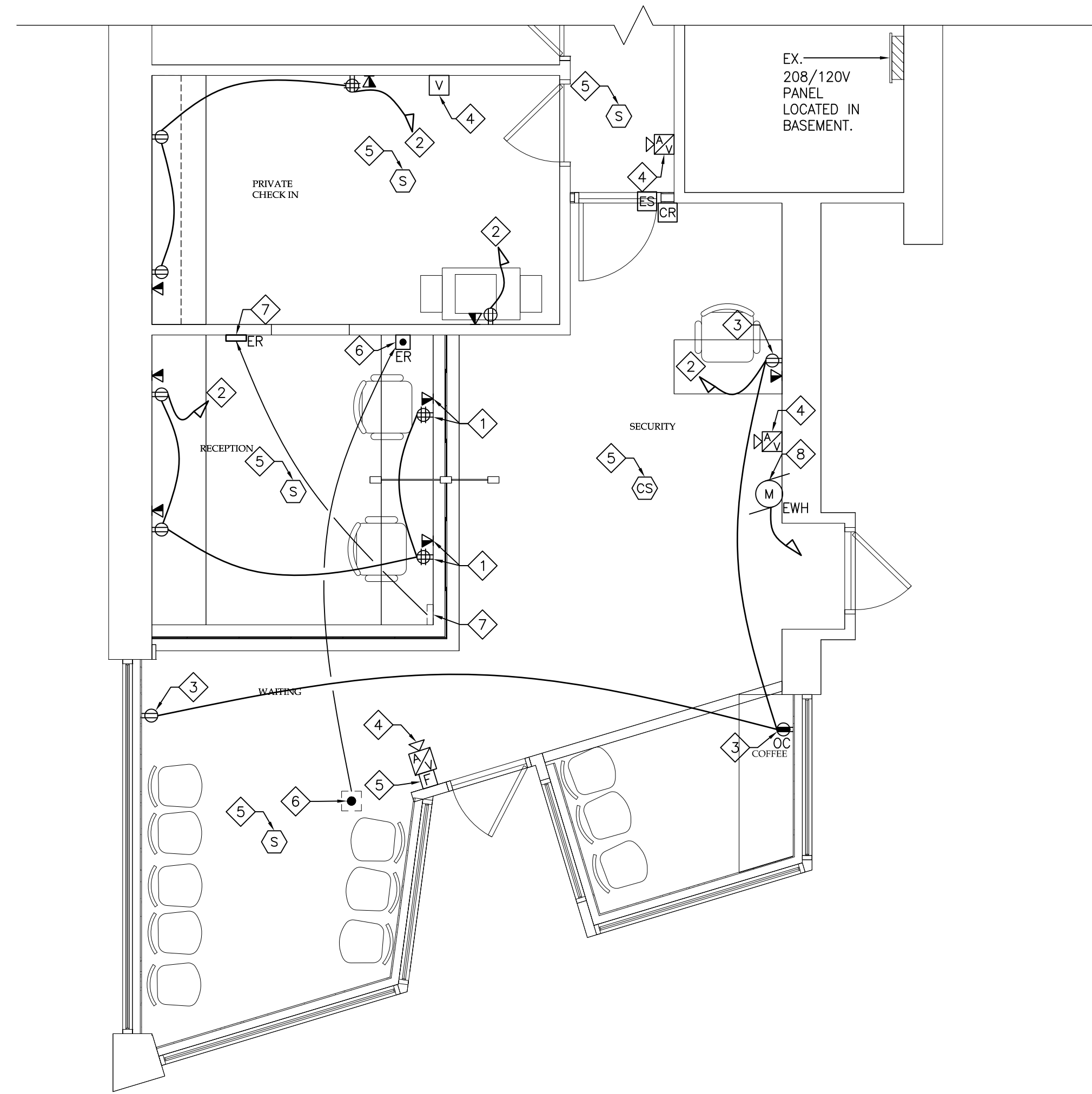


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SA JOB #: 14121 DATE: 05-22-18

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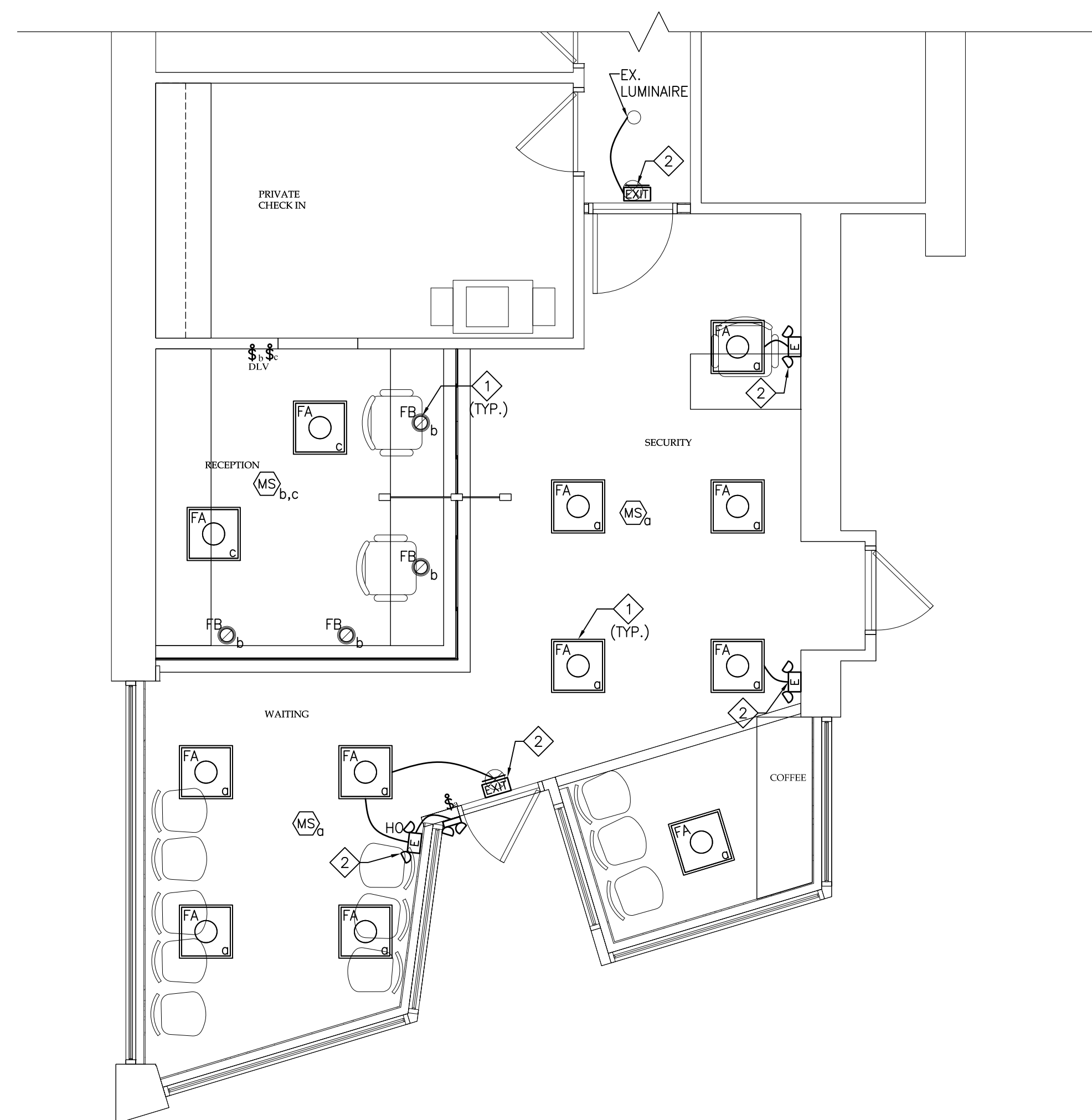
1
E-3 **FLOOR PLAN - POWER AND SYSTEMS**
SCALE: 1/4" = 1'-0"

GENERAL POWER NOTES:

- A. WIRING NOT SHOWN FOR CLARITY.
- B. WIRING SHALL BE PROVIDED TO DEVICES SHOWN, UNLESS OTHERWISE INDICATED. MINIMUM WIRING SIZE SHALL BE #12 AWG. AMPACITY, DERATING AND CONDUIT FILL SHALL BE AS REQUIRED BY THE NEC.
- C. MULTIPLE GROUPINGS OF DEVICES SHALL BE GANGED UNDER THE SAME COVERPLATE. SEPARATE PLATES ARE UNACCEPTABLE EXCEPT IN CASES OF DIMMER SWITCHES ADJACENT TO OTHER LIGHT SWITCHES. IN THAT CASE, PLATES SHALL BE AS CLOSE TOGETHER AS POSSIBLE. PLUMB TRUE FOR A NEAT AND COMPACT ORGANIZED APPEARANCE.
- D. SEE ARCHITECTURAL ELEVATIONS AND DETAILS FOR EXACT LOCATIONS OF ELECTRICAL ITEMS. THESE SHALL TAKE PRECEDENCE OVER ANY INDICATIONS IN ELECTRICAL CONSTRUCTION DOCUMENTS.
- E. ENSURE ALL SMOKE AND HEAT DETECTORS ARE PLACED A MINIMAL DISTANCE OF 3'-0" FROM HVAC SUPPLY / RETURN AIR GRILLS.

ELECTRICAL POWER KEYNOTES:

1. INSTALL DATA AND POWER RECEPTACLES IN FRONT DESK MILLWORK. COORDINATE EXACT LOCATION AND MOUNTING HEIGHTS PRIOR TO INSTALLATION.
2. PROVIDE 20A/1P CIRCUIT BREAKER IN EXISTING PANEL. MATCH EXISTING KIAC. UPDATE EXISTING PANEL BOARD SCHEDULE.
3. RECEPTACLE SHALL BE TAMPER-PROOF.
4. WIRE FIRE ALARM AUDIO/VISUAL STROBE TO NEAREST EXISTING NOTIFICATION APPLIANCE CIRCUIT.
5. WIRE FIRE ALARM DEVICE TO CLOSEST EXISTING SIGNAL LINE CIRCUIT SERVING AREA.
6. REMOVE AND RELOCATE EXISTING DOOR ENTRY BUTTON. EXTEND WIRING AND CONDUIT AS NECESSARY TO ACCOMMODATE NEW LOCATION. COORDINATE EXACT LOCATION WITH OWNER/TENANT PRIOR TO INSTALLATION.
7. REMOVE AND RELOCATE EXISTING ALARM SYSTEM. EXTEND WIRING AND CONDUIT AS NECESSARY TO ACCOMMODATE NEW LOCATION.
8. CIRCUIT ELECTRIC WALL HEATER (EWH) TO DEDICATED 208V CIRCUIT IN EXISTING PANEL. PROVIDE NEW 20A/2P CIRCUIT BREAKER, MATCH EXISTING KIAC. UPDATE EXISTING PANEL BOARD SCHEDULE.



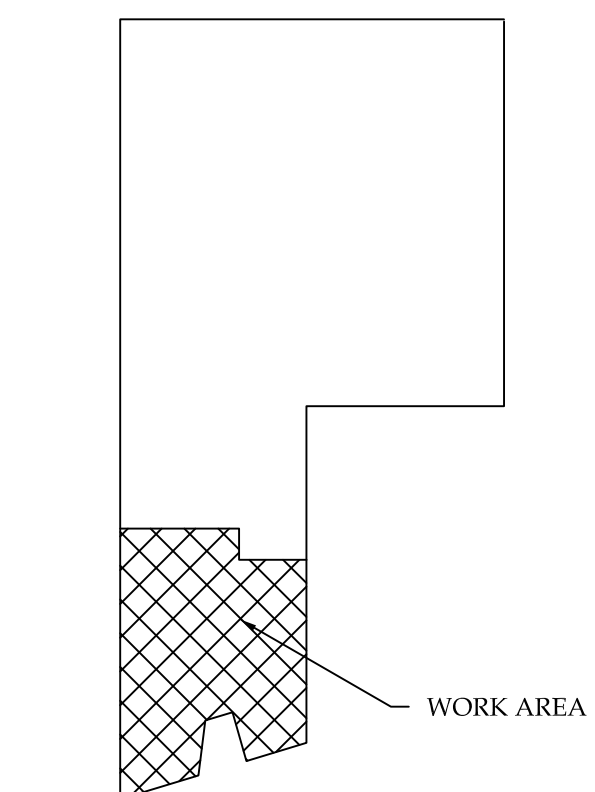
2
E-3 **FLOOR PLAN - LIGHTING**
SCALE: 1/4" = 1'-0"

GENERAL LIGHTING NOTES:

- A. WIRING NOT SHOWN FOR CLARITY.
- B. IF NO LIGHTING CONTROL IS INDICATED ON LUMINAIRE(S), LIGHTING IN ROOM SHALL BE CONTROLLED BY THE LOCAL SWITCHING.
- C. ALL EMERGENCY LIGHTING UNITS AND EXIT SIGNS SHALL BE CONNECTED TO UNSWITCHED PORTION OF LIGHTING CIRCUIT SERVING THE AREA.
- D. VERIFY ALL HEIGHTS OF PENDANT FIXTURES WITH ARCHITECT PRIOR TO INSTALLATION.
- E. COORDINATE LOCATIONS OF LIGHTING FIXTURES WITH MECHANICAL DUCT WORK AND SPRINKLER HEADS/PIPING. NOTIFY ARCHITECT OF ANY LOCATIONS WHERE CONFLICT MAY OCCUR.

LIGHTING KEYNOTES: <#>

1. EXTEND EXISTING LIGHTING CIRCUIT SERVING AREA TO NEW LUMINAIRE & CIRCUIT TO SWITCH AS SHOWN
2. CIRCUIT EXIT SIGN/EMERGENCY WALL PACK AHEAD OF LOCAL SWITCHING.



3
E-3 **KEY PLAN**
SCALE: N.T.S.

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WIRING DEVICES

- A. **GENERAL:**
1. PROVIDE WIRING DEVICES, IN TYPES, CHARACTERISTICS, GRADES AND ELECTRICAL RATINGS FOR APPLICATIONS INDICATED WHICH ARE UL LISTED AND WHICH COMPLY WITH NEMA WD 1 AND OTHER APPLICABLE UL AND NEMA STANDARDS.
 2. WIRING DEVICE COLOR SHALL BE SELECTED BY ARCHITECT, UNLESS OTHERWISE INDICATED.
 3. PROVIDE COVER OR DEVICE PLATES FOR OUTLET BOXES AS FOLLOWS UNLESS OTHERWISE NOTED:
 - a. FINISHED AREAS: THERMOPLASTIC – COLOR TO MATCH DEVICE.
 - b. UNFINISHED AREAS: ZINC COATED SHEET METAL, ALUMINUM, OR CAST METAL, AS APPROPRIATE FOR THE TYPE OF BOX.
 - c. EXTERIOR AREAS: COPPER FREE ALUMINUM WITH GRAY, POWDER EPOXY FINISH, GASKET, WEATHERPROOF, CROUSE-HINDS "WLDR" FOR DUPLEX RECEPTACLES AND "WLRS" FOR SINGLE RECEPTACLES OR EQUAL.
 - d. TELEPHONE, COMMUNICATION, AND SIGNAL OUTLET PLATES, SHALL MATCH THOSE USED FOR RECEPTACLES AND SWITCHES. ALL OUTLET AND/OR JUNCTION BOXES SHALL BE COMPLETE WITH A COVER PLATE BY THIS CONTRACTOR.
 - e. WHERE DEVICES ARE GANGED, THEY SHALL BE INSTALLED UNDER A COMMON COVERPLATE.
 3. LOCATE SWITCHES AND WALL SWITCH SENSORS AT A MAXIMUM HEIGHT OF 4'-0" A.F.F., MEASURED TO CENTER OF BOX, OR NEAREST BLOCK COURSE (WITHIN A.D.A. REQUIREMENTS) UNLESS OTHERWISE INDICATED. THE LONG DIMENSION OF THE SWITCHES SHALL BE VERTICAL. INSTALL ALL SWITCHES ON STRIKE SIDE OF DOOR.
 4. LOCATE RECEPTACLES AT A MINIMUM HEIGHT OF 1'-6" A.F.F., MEASURED TO CENTER OF BOX, OR NEAREST BLOCK COURSE (WITHIN A.D.A. REQUIREMENTS), UNLESS NOTED OTHERWISE. THE LONG DIMENSION OF RECEPTACLES SHALL BE VERTICAL.
 5. ALL WIRING DEVICES SHALL BE INSTALLED NEATLY AND PARALLEL WITH BUILDING LINES.
- B. **SUBMITTALS:**
1. SUBMIT DEVICE PRODUCT DATA SHEETS IDENTIFYING MANUFACTURE AND MODEL NUMBERS.
- C. **RECEPTACLES:**
1. PROVIDE NEMA CONFIGURATION 5-20R DUPLEX 125 VOLT GROUNDING TYPE RECEPTACLES RATED FOR 20 AMPERES UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
 2. STANDARD RECEPTACLES SHALL BE SPECIFICATION GRADE. RECEPTACLES LOCATED IN DWELLINGS SHALL BE TAMPER-RESISTANT TYPE.
 3. GFI RECEPTACLES SHALL BE SPECIFICATION GRADE. GFI RECEPTACLES LOCATED IN DWELLINGS SHALL BE TAMPER-RESISTANT TYPE.
 4. RECEPTACLES REQUIRING AMPERAGES, VOLTAGES OR CONFIGURATIONS DIFFERENT FROM THE DUPLEX CONVENIENCE RECEPTACLES ABOVE SHALL BE AS INDICATED ON THE DRAWINGS OR AS REQUIRED FOR EQUIPMENT SUPPLIED BY OTHERS.
 5. CONNECT WIRING DEVICE GROUNDING TERMINAL TO BRANCH CIRCUIT EQUIPMENT GROUNDING CONDUCTOR.
 7. PROVIDE OTHER RECEPTACLES OF A QUALITY, MATERIAL AND WORKMANSHIP EQUAL TO THAT OF ABOVE DESCRIPTIONS.
 8. ACCEPTABLE MANUFACTURES INCLUDED EATON/ARROW HART, LEGRAND (P&S), HUBBELL OR LEVITON. ALL DEVICES SELECTED FOR PROJECT SHALL BE SUPPLIED BY THE SAME MANUFACTURE.
- D. **WALL SWITCHES:**
1. PROVIDE SINGLE-POLE, THREE-WAY, AND FOUR-WAY 20A, 120/277 VOLT HEAVY-DUTY SPECIFICATION GRADE DEVICES WITH COPPER ALLOY CONTACT ARM, HEAVY DUTY BUMPER PADS FOR QUIET, SMOOTH OPERATION, HIGH STRENGTH THERMOPLASTIC POLYCARBONATE TOGGLE, AND SILVER ALLOY CONTACTS.
 2. ACCEPTABLE MANUFACTURES INCLUDE EATON/ARROW HART, LEGRAND (P&S), HUBBELL, LUTRON OR LEVITON. ALL DEVICES SELECTED FOR PROJECT SHALL BE SUPPLIED BY THE SAME MANUFACTURE.
- E. **WALL DIMMER / SWITCHES:**
1. PROVIDE SINGLE-POLE, THREE-WAY 120/277 VOLT SPECIFICATION GRADE 0-10V LED DIMMER DEVICES WITH THERMOPLASTIC POLYCARBONATE CONSTRUCTION, SEPARATE ON/OFF CONTROL AND SLIDE ADJUSTER FOR DIMMING; FOR USE WHEN SERVING LED FIXTURES WITH 0-10V DIMMING DRIVERS.
 2. PROVIDE SINGLE-POLE, THREE-WAY 120/277 VOLT RESIDENTIAL GRADE ELECTRONIC LOW-VOLTAGE (ELV) AND/OR CFL-LED COMPATIBLE DIMMER DEVICES WITH THERMOPLASTIC POLYCARBONATE CONSTRUCTION, TOGGLE/ROCKER PADDLE WITH SEPARATE SLIDE ADJUSTER FOR DIMMING; FOR USE IN APARTMENT UNITS ONLY (WHEN APPLICABLE).
 3. ACCEPTABLE MANUFACTURES INCLUDE EATON/ARROW HART, LEGRAND (P&S), HUBBELL, LUTRON OR LEVITON. ALL DEVICES SELECTED FOR PROJECT SHALL BE SUPPLIED BY THE SAME MANUFACTURE.
- F. **AUTOMATIC LIGHTING CONTROL DEVICES:**
1. ALL LIGHTING CONTROL DEVICES MUST BE SELECTED, INSTALLED AND WIRED TO MEET CURRENT LOCAL AND STATE ENERGY CODE REQUIREMENTS. WHEN LOCAL AND STATE CODES ARE NOT APPLICABLE THE 2015 IECC (INTERNATIONAL ENERGY CONSERVATION CODE) SHALL BE APPLIED. ANY DISCREPANCIES BETWEEN THESE DESIGN DOCUMENTS AND CURRENT ENERGY CODES MUST BE BROUGHT TO THE ENGINEERS ATTENTION PRIOR TO BID SUBMISSION.
 2. PROVIDE SINGLE RELAY, DUAL TECHNOLOGY, 120/277 VOLT, WALL SENSOR SWITCH, UNLESS OTHERWISE INDICATED IN DESIGN DOCUMENTS. BASIC PROGRAMMING SHALL INCLUDE MANUAL ON, AUTOMATIC OFF WITH THE OCCUPANCY SENSOR TIME DELAY SET FOR 15 MINUTES. REMAINING PROGRAMMING OPTIONS SHALL BE FACTORY DEFAULT UNLESS OTHERWISE INDICATED OR REQUIRED.
 3. PROVIDE SINGLE ZONE, DUAL TECHNOLOGY 120/277V CEILING MOUNT OCCUPANCY SENSOR WITH 360 DEGREE VIEWING ANGLE, UNLESS OTHERWISE INDICATED IN DESIGN DOCUMENTS. PROVIDE ALL REQUIRED POWER PACKS, SLAVE POWER PACKS, CONTROL UNITS, RELAYS, BACKBOXES, MOUNTING PLATES AND OTHER EQUIPMENT NECESSARY FOR PROPER SYSTEM OPERATION. BASIC PROGRAMMING SHALL INCLUDE OCCUPANCY SENSOR TIME DELAY SET FOR 15 MINUTES. REMAINING PROGRAMMING OPTIONS SHALL BE FACTORY DEFAULT UNLESS OTHERWISE INDICATED.
 4. PROVIDE SINGLE ZONE, DUAL TECHNOLOGY 120/277V CEILING MOUNT DIMMING AND PHOTOCONTROL OCCUPANCY SENSOR WITH 360 DEGREE VIEWING ANGLE, UNLESS OTHERWISE INDICATED IN DESIGN DOCUMENTS. PROVIDE ALL REQUIRED POWER PACKS, SLAVE POWER PACKS, CONTROL UNITS, RELAYS, BACKBOXES, MOUNTING PLATES AND OTHER EQUIPMENT NECESSARY FOR PROPER SYSTEM OPERATION. BASIC PROGRAMMING SHALL INCLUDE OCCUPANCY SENSOR TIME DELAY SET FOR 15 MINUTES AND DIMMING SET TO 3v. REMAINING PROGRAMMING OPTIONS SHALL BE FACTORY DEFAULT UNLESS OTHERWISE INDICATED.
 5. ACCEPTABLE MANUFACTURES INCLUDE SENSOR SWITCH, WATTSTOPPER OR APPROVED EQUAL. ALL DEVICES SELECTED FOR PROJECT SHALL BE SUPPLIED BY THE SAME MANUFACTURE.

LIGHTING

- A. **GENERAL:**
1. SEE SHEET E-1 FOR PROJECT LIGHT FIXTURE SPECIFICATIONS.
 2. ALL LIGHTING FIXTURES SHALL BE UL LISTED AND BARE THE UL LABEL OF APPROVAL
 3. SET LEVEL, PLUMB, AND SQUARE WITH CEILINGS AND WALLS UNLESS OTHERWISE INDICATED.
 4. INSTALL LAMPS IN EACH LUMINAIRE AS NEEDED.
 5. FIXTURES SHALL BE SUPPORTED FROM BUILDING STRUCTURE.
 6. WHERE FIXTURES ARE INSTALLED ON DRYWALL CEILINGS, THEY SHALL BE SUPPORTED FROM THE CEILING FRAMING SYSTEM OR THE BUILDING STRUCTURE. SUPPORT FROM DRYWALL IS NOT ACCEPTABLE.
 7. NFPA 70 REQUIRES MINIMUM SUPPORT FOR FIXTURES. REFER TO "LAY-IN CEILING LIGHTING FIXTURES SUPPORTS" PARAGRAPH BELOW FOR MORE SPECIFIC SUPPORT REQUIREMENTS AND FOR REQUIREMENTS EXCEEDING CODE MINIMUMS. FOR PROJECTS REQUIRING SEISMIC DESIGN, ADDITIONAL SUPPORTS, AND RESTRAINING DEVICES BEYOND THOSE SPECIFIED HERE MAY BE REQUIRED.
- B. **SUBMITTALS:**
1. SUBMIT LIGHT FIXTURE DATA SHEETS IDENTIFYING MANUFACTURE AND MODEL NUMBERS.
- C. **LAY-IN CEILING LIGHTING FIXTURES SUPPORTS:**
1. USE GRID AS A SUPPORT ELEMENT.
 2. INSTALL CEILING SUPPORT SYSTEM RODS OR WIRES FOR EACH FIXTURE. LOCATE NOT MORE THAN 6 INCHES FROM LIGHTING FIXTURE CORNERS.
 3. SUPPORT CLIPS; FASTEN TO LIGHTING FIXTURES AND TO CEILING GRID MEMBERS AT OR NEAR EACH FIXTURE CORNER WITH CLIPS THAT ARE UL LISTED FOR THE APPLICATION.
 4. FIXTURES OF SIZES LESS THAN CEILING GRID; INSTALL AS INDICATED ON REFLECTED CEILING PLANS OR CENTER IN ACOUSTICAL PANEL, AND SUPPORT FIXTURES INDEPENDENTLY WITH AT LEAST TWO 3/4-INCH METAL CHANNELS SPANNING AND SECURED TO CEILING TEES.
- D. **SUSPENDED LIGHTING FIXTURE SUPPORT:**
1. PENDANTS AND RODS: WHERE LONGER THAN 48 INCHES (1200 MM), BRACE TO LIMIT SWINGING.
 2. STEM-MOUNTED, SINGLE-UNIT FIXTURES: SUSPEND WITH TWIN-STEM HANGERS.
 3. CONTINUOUS ROWS: USE TUBING OR STEM FOR WIRING AT ONE POINT AND TUBING OR ROD FOR SUSPENSION FOR EACH UNIT LENGTH OF FIXTURE CHASSIS, INCLUDING ONE AT EACH END.
 4. DO NOT USE GRID AS SUPPORT FOR PENDANT LUMINAIRES. CONNECT SUPPORT WIRES OR RODS TO BUILDING STRUCTURE.
- E. **AIR-HANDLING LIGHTING FIXTURES:** INSTALL WITH DAMPERS CLOSED AND READY FOR ADJUSTMENT.
- F. IMMEDIATELY PRIOR TO OCCUPANCY, DAMP CLEAN ALL DIFFUSERS, GLASSWARE, FIXTURE TRIMS, REFLECTORS, LAMPS AND REPLACE BURNED OUT LAMPS.

PANELBOARDS

- C. **MANUFACTURER:**
1. ALL EQUIPMENT IDENTIFIED IN THIS SECTION, AND THROUGHOUT DESIGN DOCUMENTS, IS BASED ON THE MANUFACTURER OF SQUARE-D. ACCEPTABLE ALTERNATE MANUFACTURES INCLUDE CUTLER-HAMMER, SIEMENS OR EQUAL PROVIDED EQUIPMENT MEETS ALL DESIGN CRITERIA AND PHYSICAL CHARACTERISTICS OF THE PROJECT.
- B. **GENERAL:**
1. FOR EXISTING PANELBOARDS, RELABEL EXISTING PANELBOARD DIRECTORIES TO REFLECT ALL BRANCH CIRCUIT REVISIONS; PROVIDE TYPEWRITTEN WITH ROOM NUMBERS, FUNCTION, ETC. TO POSITIVELY IDENTIFY EACH BRANCH CIRCUIT.
 2. FOR EXISTING PANELBOARDS, PROVIDE NEW QUICK MAKE, QUICK BREAK, THERMAL MAGNETIC, TOGGLE MECHANISM, MOLDED CASE CIRCUIT BREAKERS AS RECOMMENDED BY EQUIPMENT MANUFACTURER. PROVIDE AMPACITY AND POLES AS INDICATED ON PLANS WITH APPROPRIATE AMPERE INTERRUPTING RATING TO MATCH EXISTING EQUIPMENT. MULTIPOLE BREAKERS SHALL HAVE COMMON TRIP. MAKE TO MATCH EXISTING PANELBOARDS.
- C. **SUBMITTALS:**
1. SUBMIT EQUIPMENT DATA SHEETS INCLUDING CIRCUIT BREAKERS AND ALL ASSOCIATED ACCESSORIES. INFORMATION SHALL INCLUDE EQUIPMENT MANUFACTURE, MODEL NUMBERS AND APPLICABLE SHOP DRAWINGS.

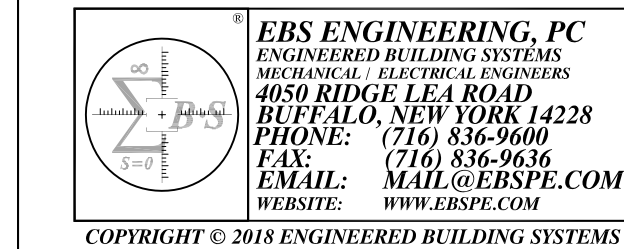
FIRE ALARM SYSTEM SPECIFICATION

- A. **GENERAL:**
1. THE FIRE ALARM SYSTEM IS EXISTING. FIELD VERIFY SYSTEM TYPE, MANUFACTURE AND MODEL. NEW DEVICES SHOWN IN DESIGN DOCUMENTS MUST BE COMPATIBLE WITH EXISTING SYSTEM.
- B. **COMPLIANCE:**
1. SYSTEM AND INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE STANDARDS AND REQUIREMENTS OF THE NFPA INCLUDING:
 - a. NFPA 70 – INCLUDING ARTICLE 760 (NEC)
 - b. NFPA 72 – COMPLETE
 - c. NFPA 101
 - d. APPLICABLE REQUIREMENTS OF THE LOCAL TOWN
 2. ALL EQUIPMENT SHALL BE "UL" LISTED UNDER THE FIRE PROTECTION DIRECTORY AND SUPPLEMENTS.
- C. **INSTALLATION:**
1. STEEL OUTLET OR METAL BACK BOXES SHALL BE PROVIDED FOR ALL COMPONENTS OF THE SYSTEM.
 2. ALL WIRING FOR THIS SYSTEM SHALL BE CONCEALED WITHIN THE BUILDING STRUCTURE AND FINISHES.
 3. "UL" LISTED AND APPROVED FIRE ALARM CABLE MAY BE EMPLOYED FOR THE COMPLETE SYSTEM AND SHALL BE FULLY CONCEALED. FIRE ALARM CABLE SHALL BE "PLENUM" RATED CONSISTING OF #14 (MINIMUM SIZE) COPPER CONDUCTORS WITH HYPALON OR TEFLON INSULATION AND JACKET. THE OUTER JACKET SHALL BE RED IN COLOR. WHERE EXPOSED, FIRE ALARM CABLE SHALL BE INSTALLED IN EMT.
 4. FIRE ALARM WIRING SYSTEM SHALL BE CONFIGURED AS CLASS "B".
 5. PROVIDE GALVANIZED CHASE NIPPLE (OR SIMILAR PLASTIC FITTING) WHERE CABLES ENTER OUTLET BOXES, BACKBOXES, PANELS ETC.
- D. **CONTROL PANEL**
1. EXISTING.
- E. **DEVICES:**
1. PULLSTATIONS SHALL BE DUAL ACTION, RED IN COLOR LABELED "FIRE".
 2. HORN/STROBE (AUDIO/VISUAL) SHALL BE RED IN COLOR LABELED "FIRE".
 3. STROBE DEVICES (VISUAL) SHALL BE RED IN COLOR LABELED "FIRE".
 4. WEATHER-PROOF HORN/STROBE (AUDIO/VISUAL) SHALL BE RED IN COLOR LABELED "FIRE".
 5. HORN DEVICES LOCATED IN BEDROOMS / SLEEPING UNITS HAVE BE LOW FREQUENCY TYPE WITH A 520hz TONE.
 6. SMOKE DETECTORS SHALL BE PHOTOELECTRIC TYPE WITH STANDARD BASE UNLESS OTHERWISE INDICATED.
 7. HEAT DETECTORS SHALL BE 135° FIXED TEMPERATURE WITH STANDARD BASE UNLESS OTHERWISE INDICATED.
 8. CO DETECTORS SHALL HAVE AN AN AUDIBLE BASE PROVIDING A TEMPORAL 4 NOTIFICATION TONE.
 9. SEE 'FIRE ALARM SYSTEM SCHEDULE' ON SHEET E-1 FOR FURTHER INFORMATION ON SYSTEM DEVICES.
- F. **COMMISSIONING**
1. THE COMPLETED FIRE ALARM SYSTEM SHALL BE FULLY TESTED IN THE PRESENCE OF: THE OWNER'S REPRESENTATIVE, CITY REPRESENTATIVE, THE ARCHITECT/ENGINEER, THE CONTRACTOR AND THE FACTORY AUTHORIZED REPRESENTATIVE OF THE MANUFACTURER. UPON COMPLETION OF A SUCCESSFUL TEST, THE CONTRACTOR SHALL SO CERTIFY, IN WRITING, TO THE JURISDICTION HAVING AUTHORITY, OWNER, ARCHITECT AND THE ENGINEER.
 2. THE CONTRACTOR SHALL WARRANTY THE COMPLETED FIRE ALARM SYSTEM EQUIPMENT, WIRING AND INSTALLATION, TO BE FREE FROM INHERENT DEFECTS FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE OF THE CERTIFIED TEST.

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