

Humana

Memphis, TN MarketPoint

Memphis, TN

CD Progress Set

03.11.2014

ARCHITECT

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MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION

Kerr-Greulich Engineers, Inc.
 1534 Ormsby Station Ct.
 Louisville KY 40224
 502.426.9457

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Project
 Humana Memphis, TN
 MarketPoint

6515 Poplar Avenue Suites 107&108
 Memphis, TN 38119

Prepared for
 Humana

Contract No: 13.01656.00



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Kerr-Greulich Engineers, Inc.

MEP Engineer

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Key Plan

Professional Seals

No.	Issue Description	YYYY-MM-DD
1	CD PROGRESS SET	2014.03.11

No.	Revision Description	YYYY-MM-DD
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Drawn by Author Reviewed by Checker

Project No 13.01656.00

Sheet Title:

COVER SHEET

Original drawing is 36 x 24. Do not scale contents of this drawing.
 Sheet Number

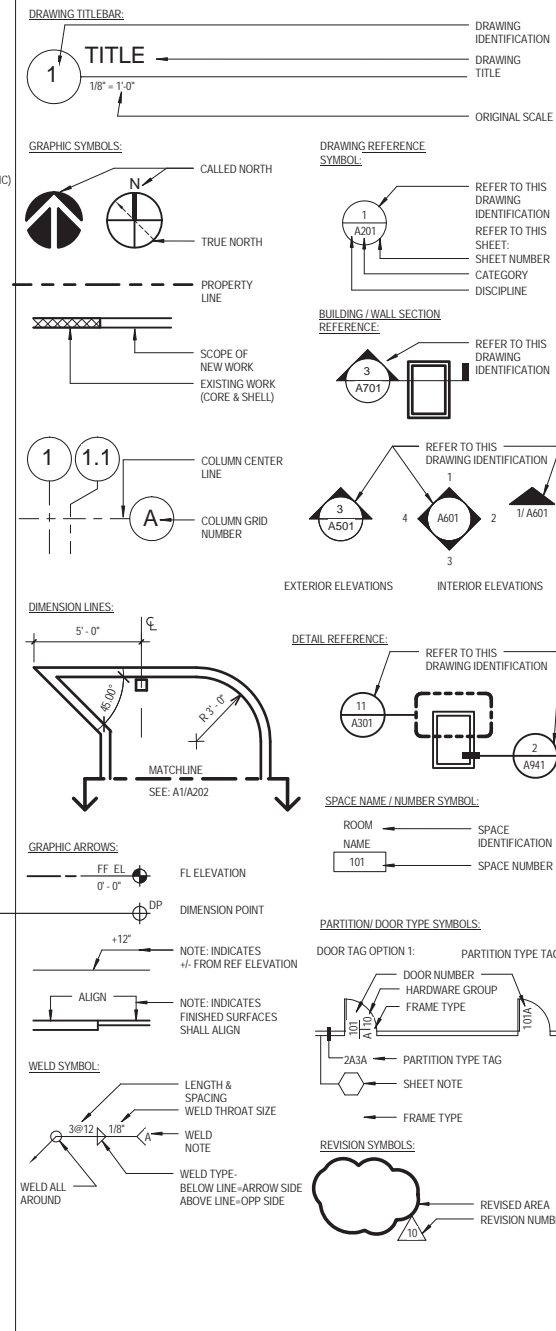
A000

NOT FOR CONSTRUCTION

ARCHITECTURAL / INTERIORS ABBREVIATIONS

AB - ANCHOR BOLT	(E) - EXISTING	ID - INSIDE DIAMETER / DIMENSION	OA - OUTSIDE AIR	S - SOUTH
AC - AIR CONDITIONING	E - EAST	IN - INCH	OC - ON CENTER	SA - SUPPLY AIR
ACC - ACCESSIBLE	EA - EACH	INCL - INCANDESCENT	OCEW - ON CENTER EACH WAY	SAN - SANITARY
ACOUS - ACOUSTICAL	EB - EXPANSION BOLT (EXPANSION ANCHOR)	INFO - INCLUDED / INCLUDING	OD - OUTSIDE DIAMETER/DIMENSION	SC - SCALD CORE
AD - AREA DRAIN	EIFS - EXTERIOR INSULATION AND FINISH SYSTEM	INSUL - INFORMATION	OFOI - OWNER FURNISHED, CONTR INSTALLED	SCHED - SCHEDULE
ADD - ADDITIONAL	EJ - EXTERIOR JOINT	INT - INTERIOR	OFF - OFFICE	SD - STORM DRAIN / SOAP DISPENSER
ADJ - ADJUSTABLE	EL - ELEVATION	INTERM - INTERMEDIATE	OH - OVER HEAD	SECT - SECTION
AFF - ABOVE FINISH FLOOR	ELEC - ELECTRICAL	INVT - INVERT	OPH - OPPOSITE HAND	SF - SQUARE FEET/FOOT
AGGR - AGGREGATE	ELEV - ELEVATOR	IPS - INTERNATIONAL PIPE STANDARD	OPNG - OPENING	SH - SPRINKLER HEAD
ALUM - ALUMINUM	EMERG - EMERGENCY	IRMA - INVERTED ROOF MEMBRANE ASSEMBLY	OPP - OPPOSITE	SHT - SHEET
ANCH - ANCHOR	ENCL - ENCLOSURE	JAN - JANITOR	OPPHD - OPPOSITE HAND	SHR - SHOWER
ANNO - ANODIZED	EP - ELECTRICAL PANEL BOARD	JC - JANITOR'S CLOSET	ORD - OVERFLOW ROOF DRAIN	SIM - SIMILAR
APC - ACOUSTICAL PANEL CEILING	EQ - EQUIP	JT - JOINT	OUTS - OUTSIDE	SM - SHEET METAL SCREW
APPD - APPROVED	EQUIP - EQUIPMENT		OWHD - OVERHEAD	SMS - SANITARY NAPKIN DISPENSER
APPROX - APPROXIMATE	ESCAL - ESCALATOR			SP - SPECIFICATION
ARCH - ARCHITECTURAL	EWC - ELECTRICAL WATER COOLER			SPR - SPRINKLER
ATC - ACOUSTICAL TILE CEILING	EXH - EXHAUST			SPKR - SPEAKER
AUTO - AUTOMATIC	EXP - EXPANSION			SQ - SQUARE
AV - AUDIO VISUAL	EXIST - EXISTING			SSE - STRUCTURE SLAB ELEVATION
	EXT - EXTERIOR			SST - STAINLESS STEEL
				SSK - SERVICE SINK
				STA - STATION
				STD - STANDARD
				STL - STEEL
				STLS - STEEL JOIST
				STOR - STORAGE
				STRG - STRINGER
				STRUC - STRUCTURAL
				STRUC SUBCAT - STRUCTURAL SUBCATEGORY
				SUSP - SUSPENDED
				SYMM - SYMMETRICAL
				SYS - SYSTEM
				T&G - TONGUE AND GROOVE
				T - TREAD / THERMOSTAT
				TB - TOWEL BAR
				TC - TOP OF CURB
				TC CONC - TOP OF CONCRETE
				TEL - TELEPHONE OR TELECOM
				TEMP - TERRAZZO
				TER - TOGGLE BOLT
				THK - THICKNESS
				THRES - THRESHOLD
				THRU - THROUGH
				TBOD - TACKBOARD
				TMPO - TEMPERED
				TOP OF (SEE OTHER WORD)
				TOS - TOP OF SLAB, TOP OF STRUCTURE
				TOSTL - TOP OF STEEL
				TP - TOP OF PAVEMENT
				TPD - TOILET PAPER DISPENSER
				TRACT - TRACTION
				TV - TELEVISION
				TW - TOP OF WALL
				TYP - TYPICAL
				UNFN - UNFINISHED
				UNOR - UNLESS OTHERWISE NOTED
				URINAL - URINAL
				VAC - VENTILATION AND AIR CONDITIONING
				VCT - VINYL COMPOSITION TILE
				VERT - VERTICAL
				VEST - VESTIBULE
				VIF - VERIFY IN FIELD
				VR - VAPOR RETARDER
				VT - VINYL TILE
				VWC - VINYL WALL COVERING
				W - WITH
				W - WIDE, WIDTHWEST, WIDEFLANGE
				WC - WATER CLOSET
				WD - WOOD
				WDS - WOOD SCREW
				WDW - WINDOW
				W/O - WITHOUT
				WP - WATERPROOFING
				WPM - WATERPROOF MEMBRANE
				WPT - WORK POINT
				WR - WATER RESISTANT/REPELLANT
				WS - WEATHERSTRIPPING
				WSCOT - WAINSCOT
				WT - WEIGHT
				WW - WALL TO WALL

DRAWING ANNOTATIONS



DRAWING LIST

SHEET	DRAWING TITLE
01 GENERAL	
A000	COVER SHEET
A001	ABBREV, ANNO, GEN'L NOTES, DRWG LIST
A002	GENERAL NOTES, RESPONSIBILITY MATRIX
A003	OUTLINE SPEC.
A004	OUTLINE SPEC.
A005	OUTLINE SPEC.
A006	LIFE SAFETY PLAN
A007	ACCESSIBILITY DIAGRAMS
A008	ACCESSIBILITY DIAGRAMS
A009	ACCESSIBILITY DIAGRAMS
02 DEMOLITION	
D201	LEVEL 1 DEMOLITION PLAN
03 ARCHITECTURAL	
A201	LEVEL 1 FLOOR PLAN
A211	LEVEL 1 POWER & DATA PLAN
A221	LEVEL 1 FINISH PLAN
A231	LEVEL 1 FURNITURE PLAN
A241	LEVEL 1 BRANDING PLAN
A301	LEVEL 1 REFLECTED CEILING PLAN
A601	INTERIOR ELEVATIONS
A901	DOOR, FRAME TYPES, SCHED
A902	DOOR & FRAME DETAILS
A910	PARTITION TYPES & GENERAL NOTES
A911	PARTITION FRAMING DETAILS
A960	MILLWORK DETAILS
M301	MECHANICAL SPECIFICATIONS
04 MECHANICAL	
M001	MECHANICAL LEGEND AND SCHEDULES
M100	FLOOR PLAN - MECHANICAL DEMOLITION
M101	FLOOR PLAN - MECHANICAL
M201	MECHANICAL DETAILS
M302	MECHANICAL SPECIFICATIONS
05 ELECTRICAL	
E001	ELECTRICAL SYMBOLS, LIGHT FIXTURE SCHEDULE & NOTES
E100	FLOOR PLAN - ELECTRICAL DEMOLITION
E101	FLOOR PLAN - LIGHTING
E102	FLOOR PLAN - POWER & SYSTEMS
E201	ELECTRICAL SCHEDULES AND ONE-LINE
E301	ELECTRICAL SPECIFICATIONS
E302	ELECTRICAL SPECIFICATIONS
06 PLUMBING & FIRE PROTECTION	
PPF001	PLUMBING & FIRE PROTECTION NOTES & DETAILS
PPF002	FIRE PROTECTION NOTES, DETAILS, & RISERS
PPF101	FLOOR PLAN - PLUMBING & FIRE PROTECTION DEMOLITION
PPF102	FLOOR PLAN - PLUMBING & FIRE PROTECTION
PPF201	GENERAL MECHANICAL SPECIFICATIONS
PPF202	PLUMBING SPECIFICATIONS
PPF203	FIRE PROTECTION SPECIFICATIONS
Grand total: 43	



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ABBREV, ANNO, GEN'L NOTES, DRWG LIST

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 Sheet Number

A001

NOT FOR CONSTRUCTION

LOCATION MAP



BUILDING SUMMARY

PROJECT ADDRESS:
 6515 Poplar Ave. Suite 107&108
 Memphis, TN 38119

APPLICABLE CODES:

- 2009 INTERNATIONAL BUILDING CODE
- 2012 INTERNATIONAL EXISTING BUILDING CODE
- 2009 INTERNATIONAL FIRE CODE
- 2008 NATIONAL ELECTRICAL CODE
- 2009 INTERNATIONAL PLUMBING CODE
- 2009 INTERNATIONAL GAS CODE
- 2009 INTERNATIONAL MECHANICAL CODE
- 2009 INTERNATIONAL ENERGY CONSERVATION CODE
- ADAAG 2002/ADA

PROJECT DESCRIPTION	TYPE 2B (ASSUMED)
A. CONSTRUCTION TYPE:	B
B. OCCUPANCY CLASSIFICATION:	B
C. NO. OF FLOORS:	1
F. AUTOMATIC SPRINKLER:	YES
H. PROJECT AREA:	2,839 S.F. (GROSS)

GENERAL NOTES

A. GENERAL NOTES:

- THE CONTRACTOR SHALL PROVIDE COMPLETE PROJECT SYSTEMS AND COMPONENTS AND COMPLY WITH ALL REQUIREMENTS INDICATED ON THE PROJECT DOCUMENTS. ALL WORK TO BE COMPLETED IN MANNER TO PROVIDE OCCUPANCY PERMIT PRIOR TO LEASE COMMENCEMENT.
- WORK WITHIN THE AREA BOUNDARIES INDICATED IN THE PROJECT DOCUMENTS, AND COMPLY WITH ALL APPLICABLE BUILDING CODE, REGULATION, & ORDINANCE REQUIREMENTS. OCCUPANTS ADJACENT TO THE PROJECT AREA BOUNDARIES SHALL CONTINUE UNINTERRUPTED OCCUPANCY DURING CONSTRUCTION OF THE PROJECT.
- VERIFY FIELD CONDITIONS AND COORDINATION WITH THE PROJECT DOCUMENTS PRIOR TO PROCEEDING WITH THE WORK.
- COORDINATE THE WORK WITH ALL REQUIREMENTS INDICATED IN THE PROJECT DOCUMENTS.
- PERFORM THE WORK AT THE PROJECT SITE DURING NORMAL BUSINESS HOURS, UNLESS OTHERWISE NOTED.
- COORDINATE THE WORK WITH EQUIPMENT, FURNISHINGS, AND SYSTEMS PROVIDED BY THE OWNER.

B. DEFINITIONS:

- "TYPICAL" OR "TYP" INDICATES IDENTICAL COMPLETE SYSTEM SHALL BE PROVIDED FOR EACH OCCURRENCE OF THE CONDITION NOTED.
- "SIMILAR" INDICATES COMPLETE SYSTEM AND COMPONENTS SHALL BE PROVIDED COMPARABLE TO THE CHARACTERISTICS FOR THE CONDITION NOTED.
- "AS REQUIRED" INDICATES COMPONENTS REQUIRED TO COMPLETE THE NOTED, SYSTEM AS INDICATED IN THE PROJECT DOCUMENTS, SHALL BE PROVIDED.
- "ALIGN" INDICATES ACCURATELY PROVIDE FINISH FACES OF MATERIALS IN STRAIGHT, TRUE, AND PLUMB RELATION TO ADJACENT MATERIALS.

C. DIMENSIONS:

- DIMENSIONS ARE INDICATED TO THE CENTERLINE OF THE STRUCTURAL GRID, FACE OF CONCRETE WALL, NOMINAL FACE OF CMU WALL, FACE OF PARTITION AS SCHEDULED, UNLESS OTHERWISE NOTED.
- ALIGNMENT OF PARTITIONS AND FINISHES AS SCHEDULED SHALL BE STRAIGHT, TRUE & PLUMB. THE PRIORITY FOR PROJECT DIMENSIONS SHALL BE IN THE FOLLOWING ORDER:
 - STRUCTURAL DRAWINGS
 - LARGE SCALE DETAILS
 - SMALL SCALE DETAILS
 - ENLARGED VIEWS
 - FLOOR PLANS AND ELEVATIONS
- MINIMUM DIMENSIONS FOR ACCESSIBILITY CLEARANCES AND BUILDING CODE REQUIREMENTS SHALL BE MAINTAINED.
- FLOOR ELEVATIONS ARE INDICATED TO THE FACE OF THE STRUCTURAL SLAB, UNLESS OTHERWISE NOTED.
- VERTICAL DIMENSIONS ARE INDICATED FROM THE FLOOR ELEVATION TO FACE OF FINISHED MATERIAL, UNLESS NOTED ABOVE FINISH FLOOR - "AFF".
- CEILING HEIGHTS ARE INDICATED FROM THE FLOOR ELEVATION TO THE FACE OF SUSPENDED ACOUSTIC PANEL CEILING GRID OR FACE OF FINISH MATERIAL FOR OTHER CEILING TYPES, UON.
- DIMENSIONS SHOWN ON THE DRAWINGS SHALL INDICATE THE REQUIRED SIZE, CLEARANCE, AND DIMENSIONAL RELATIONSHIP BETWEEN PROJECT SYSTEMS AND COMPONENTS. DIMENSIONS SHALL NOT BE DETERMINED BY SCALING THE DRAWINGS.

D. DRAWING SET ORGANIZATION:

- EACH DRAWING SET SHEET IS IDENTIFIED BY THE SHEET NUMBER IN THE LOWER RIGHT HAND CORNER OF THE DRAWING TITLE BLOCK. THE SHEET TITLE PROVIDES A GENERAL DESCRIPTION OF THE CONTENTS OF THE SHEET.
SHEET NUMBER EXAMPLE: A201
"A" INDICATES THE DISCIPLINE THAT CREATED THE DRAWING
"2" INDICATES THE DRAWING CATEGORY CONTAINED ON THE SHEET
"01" INDICATES THE SHEET NUMBER
- SHEET NUMBERS MAY INCLUDE SUPPLEMENTAL CHARACTERS TO PROVIDE ADDITIONAL INFORMATION, SUCH AS DRAWING CONTENT, PROJECT SECTOR OR PHASE. REFER TO THE DRAWING INDEX FOR A COMPLETE LIST OF SHEETS INCLUDED IN THE DOCUMENT SET.
EXAMPLE: EL201A
"EL" INDICATES THE DISCIPLINE THAT CREATED THE DRAWING AND THE DRAWING CONTENT = ELECTRICAL LIGHTING
"A" INDICATES SECTOR "A" OF PLAN SHEET "201". REFER TO THE PROJECT KEY PLAN OR COMPOSITE PLAN INDICATING THE RELATIONSHIP OF THE SECTORS.
- DRAWING SET INDEX INDICATES THE COMPLETE LIST OF SHEETS CONTAINED IN THE DRAWING SET, INDEXED BY DISCIPLINE, SHEET NUMBER AND SHEET TITLE. IN SEQUENTIAL ORDER. NOTE THAT ALL SEQUENTIAL SHEET NUMBERS MAY BE NOT USED IN THE DRAWING SET.
- DISCIPLINE IDENTIFICATION, IN ORDER BOUND IN THE DRAWING SET. REFER TO THE DRAWING SET INDEX FOR DISCIPLINE CONTAINED IN THIS DRAWING SET:

G	GENERAL INFORMATION	O	EQUIPMENT
C	CIVIL	F	FIRE PROTECTION
L	LANDSCAPE	P	PLUMBING
S	STRUCTURAL	M	MECHANICAL
A	ARCHITECTURAL	E	ELECTRICAL
I	INTERIORS	T	TELECOMMUNICATIONS
- DRAWING CATEGORY IDENTIFICATION. REFER TO THE DRAWING SET INDEX FOR DISCIPLINES, CATEGORIES, AND SHEET NUMBERS CONTAINED IN THIS DRAWING SET:

ITEM DESCRIPTION	RESPONSIBILITY						VENDOR INFO	COMMENTS
	OWNER/OWNER PARTNER		GC		LL			
	FURNISH	INSTALL	FURNISH	INSTALL	FURNISH	INSTALL		
APPLIANCES								
REFRIGERATOR			●	●	■		GENERAL ELECTRIC (GE) GC TO PROCURE EQUIPMENT THROUGH HUMANA PURCHASE AGREEMENT	<ul style="list-style-type: none"> GC TO PROVIDE WATER LINE & SHUT OFF FOR COFFEE MAKER GC TO PROVIDE WATER LINE FOR REFRIGERATOR WHERE SIDE X SIDE IS SPECIFIED GC TO PROVIDE WATER LINE FOR ICE MACHINE WHERE SPECIFIED
MICROWAVE			●	●				
ICE MACHINE			●	●	■			
COFFEE MAKER & AIRPOT	●	●			■			
VENDING	●	●						
ART WORK, BRANDING, SIGNAGE								
ART WORK	●	●					VENDOR DETERMINED BY HUMANA INNOVATIONS PREFERRED PARTNERS: M3 GROUP & ICON	<ul style="list-style-type: none"> GC TO PROVIDE SIGNAGE REQUIRED BY CODE, INCLUDING BUT NOT LIMITED TO RESTROOM, STAIRS, EXITS, OCCUPANCY GC TO COORDINATE WITH LL ON REQUIREMENTS FOR EXTERIOR SIGNAGE PLACEMENT & DESIGN OF TO BE APPROVED BY HUMANA INNOVATIONS PRIOR TO ORDER
INTERIOR SIGNAGE	●	●	■	■				
EXTERIOR SIGNAGE	●	●	■	■	■			
BRANDING	●	●						
AV SYSTEMS								
DISPLAYS / MONITORS	●	●			■		VENDOR DETERMINED BY HUMANA PMO CONTACT: TREY PENNINGTON 502-476-1071 PREFERRED PARTNERS: LEVEL 3, VIDEO SOLUTIONS, AVI	<ul style="list-style-type: none"> GC TO COORDINATE WITH AV VENDOR & HUMANA PMO ON FINAL CONFIGURATIONS. ADDITIONAL POWER & DATA MAY BE REQUIRED. AV SHEETS CONTAINED IN SET ARE FOR REFERENCE ONLY. ADDITIONAL REQUIREMENTS MAY EXIST BASED ON FINAL CONFIGURATION. GC TO PROVIDE ADDITIONAL BLOCKING AS REQUIRED FOR ALL WALL MOUNTED EQUIP
CONTROL PANELS	●	●			■			
VTC CAMERAS & SPEAKERS	●	●			■			
PROJECTOR & MOTORIZED SCREENS	●	●			■			
POLYCOMS, & AUDIO CONF	●	●			■			
MISC. AV SYSTEMS	●	●			■			
RESTROOM / BREAK ROOM ACCESSORIES								
SOAP DISPENSERS		■	●	●	■		VENDOR: AS SPECIFIED	<ul style="list-style-type: none"> HUMANA PMO TO DETERMINE IF BUILDING STANDARD ACCESSORIES ARE TO BE USED FOR EASE OF MAINTENANCE.
PAPER TOWEL DISPENSERS		■	●	●	■			
ELEC. HAND DRYERS			●	●				
GRAB BARS			●	●				
TOILET TISSUE DISPENSER		■	●	●	■			
SANITARY NAPKIN DISPOSAL		■	●	●	■			
SANITARY NAPKIN DISPENSER		■	●	●	■			
RESTROOM MIRROR			●	●				
HAND SANITIZER DISPENSER			●	●				
COAT HOOKS			●	●				
SEAT COVERS DISPENSER		■	●	●	■			
MISC ACCESSORIES		■	●	●	■			
ARCHITECTURAL MATERIALS & FINISHES								
LIGHTING	●			●	■		ACCUSERV CONTACT: SPENCER MAXWELL 502-961-0096	<ul style="list-style-type: none"> GC TO COORDINATE WITH VENDOR TO DETERMINE FINAL QUANTITIES & TAKE OFFS GC TO COORDINATE WITH ALL PARTIES (ARCHITECT, DTZ PM, LL AND VENDOR) FOR FINAL SPECIFICATION OF BLINDS
PORCELAIN / CERAMIC TILE + GROUT	●			●	■			
RESILIENT TILE / VCT + ADHESIVE	●			●	■			
CEILING TILE & GRID	●			●	■			
WINDOW SHADE / TREATMENTS	●			●	■			
SOUND MASKING	●			●	■			
CARPET	●			●	■			
MISC ITEMS								
FURNITURE	●	●			■	TARGET INTERIORS, ORI, EMPIRE	<ul style="list-style-type: none"> GC TO COORDINATE WITH FURNITURE VENDOR FOR FINAL LOCATIONS OF FLOOR CORES PRIOR TO DRILLING GC TO COORDINATE WITH SECURITY VENDOR ON ALL ACCESS CONTROL ITEMS. ANY CHANGES PERTAINING TO EGRESS TO BE REVIEWED WITH ARCHITECT PRIOR TO PROCEEDING WITH WORK. CRAC UNITS AND GENERATORS TO BE PURCHASED THROUGH CLIMATE CONDITIONING. GC TO INCLUDE IN PRICE ALL LABOR & MATERIALS FOR INSTALLATION. COORDINATE ALL POWER REQUIREMENTS & LOCATION OF ROOF TOP UNITS PRIOR TO PROJECT KICK OFF GC TO COORDINATE CONDUIT SIZING AND POWER & DATA REQUIREMENTS OF SCHEDULED EQUIPMENT 	
IT / NETWORK SERVICES	●	●			■	HUMANA NETWORK SERVICES		
SECURITY	●	●			■	HUMANA GLOBAL SECURITY		
CRAC UNIT	●	●			■	TIM GRAHAM - CLIMATE CONDITIONING - 502.267.4696		
GENERATOR	●	●			■			
DATA & LOW VOLTAGE CABLING	●	●			■			
COPIERS/POSTAGE MACHINES/MFD	●	●			■			
CABLE OR SATELLITE	●	●			■			
OTHER FFE ITEMS NOT LISTED ABOVE	●	●			■			
BUILDING SERVICES & MISC								
SHREDDING SERVICES	●	●					<ul style="list-style-type: none"> GC TO COORDINATE WITH LL FOR SITE ACCESS AND DUMPSTER LOCATION ALL SITE MODIFICATIONS REQUIRED TO BE APPROVED BY LL PRIOR TO COMMENCEMENT OF WORK 	
SITE MODIFICATIONS				●	■			
TEMPORARY ROLL-OFF DUMPSTER			●	●	■			
CERTIFICATE OF INSURANCE			●	●				
UTILITIES				●	■			
TELEPHONE LINES				●	■			

NOTE: NOT ALL ITEMS NOTED IN MATRIX ARE IN THE SCOPE OF THE PROJECT. GC TO VERIFY WITH PROJECT MANAGER THE FULL EXTENT AND SCOPING OF ITEMS NOTED IN RESPONSIBILITY MATRIX PRIOR TO ORDERING.



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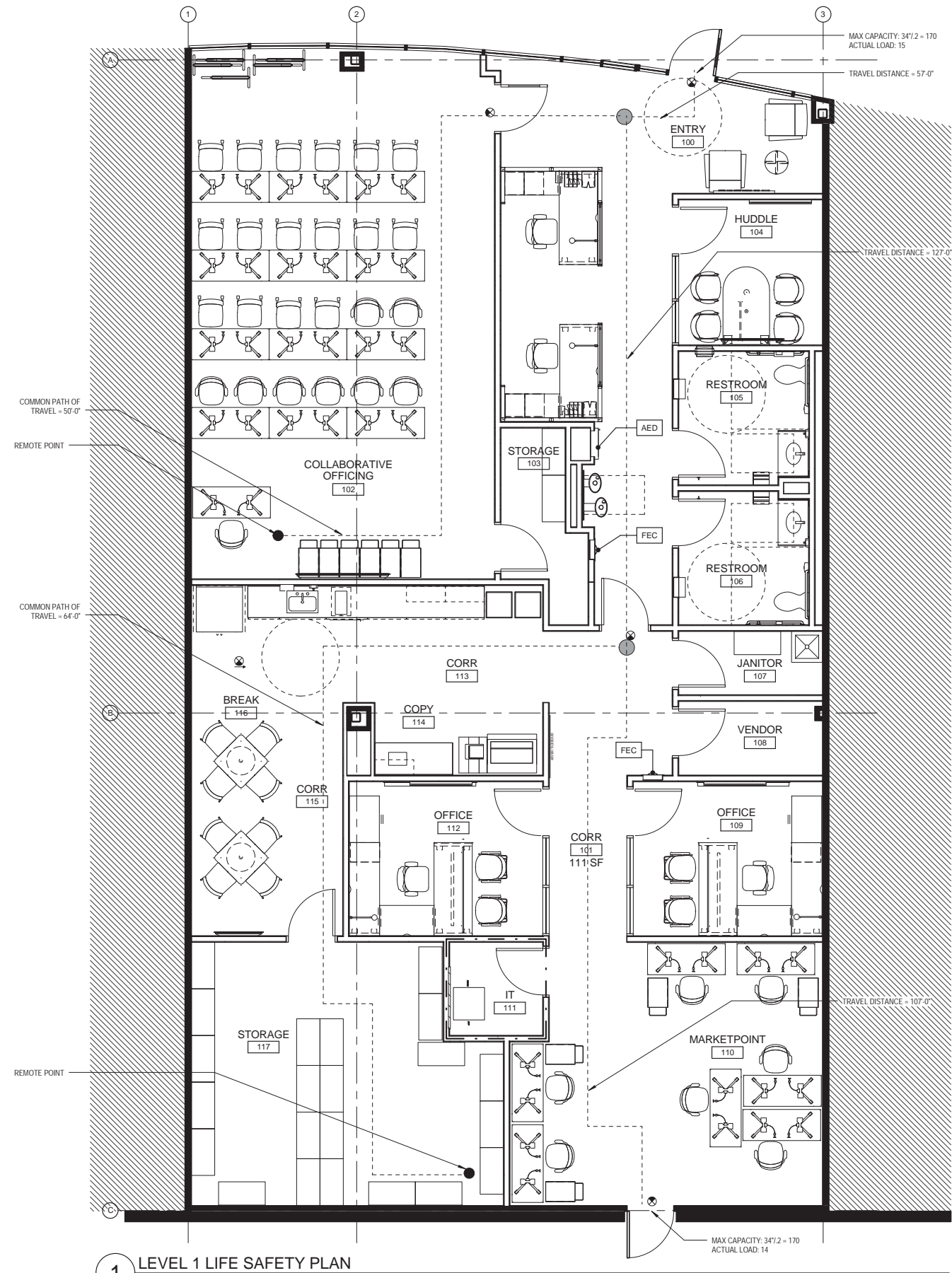
Sheet Title:

GENERAL NOTES,
RESPONSIBILITY
MATRIX

Original drawing is 36 x 24 Do not scale contents of this drawing
Sheet Number

A002

NOT FOR CONSTRUCTION



1 LEVEL 1 LIFE SAFETY PLAN
1/4" = 1'-0"

OCCUPANCY TABLE						
ROOM NAME	ROOM #	AREA	OCCUPANCY USE	CODE FACTOR	OCCUPANT LOAD	Comments
ENTRY	100	390 SF	B	100	3.9	
CORR	101	111 SF	B	100	1.1	
COLLABORATIVE OFFICING	102	663 SF	B	100	6.6	IBC SECTION 303
STORAGE	103	52 SF	B	100	0.5	
HUDDLE	104	87 SF	B	100	0.9	
RESTROOM	105	71 SF	B	100	0.7	
RESTROOM	106	71 SF	B	100	0.7	
JANITOR	107	38 SF	B	100	0.4	
VENDOR	108	43 SF	B	100	0.4	
OFFICE	109	121 SF	B	100	1.2	
MARKETPOINT	110	329 SF	B	100	3.3	
IT	111	36 SF	B	100	0.4	6x6
OFFICE	112	124 SF	B	100	1.2	
CORR	113	70 SF	B	100	0.7	
COPY	114	51 SF	B	100	0.5	
CORR	115	55 SF	B	100	0.6	
BREAK	116	204 SF	B	100	2.0	
STORAGE	117	315 SF	B	100	3.2	
B		2831 SF			28.3	
Grand total: 18		2831 SF			28.3	

FFE SCHEDULE				
TAG	QTY	Type	MANUF.	MODEL
AED	1	Multi Function Printer	Humana DSI	N/A
AP-2	1	Defibrillator	GE	GSHSGHDSS
AV	1	Refrigerator - Side X Side		
AV	1	46" LCD		
EQ-3	2	Shredder Bin	--	20"x20"
FEC	2	FEC Semi Recessed	N/A	N/A
MA-1	1	Standard Unit		
MA-2	1	Soap Dispenser BRK RM Wall Mounted	American Specialties	#0361
MA-3	2	Soap Dispenser	Gojo	2799-12eeu00 / 2762-06
MA-4	2	Coat Hook	Peter Pepper	2041 Alum
MKB	3	Marker Board 4'-0"	Steelcase	N/A
RA-2	2	Grab Bar 42"	Bobrick	B-6806-42
RA-3	2	Grab Bar 36"	Bobrick	B-6806-36
RA-4	3	Toilet Tissue & Seat Cover Dispen.	Bobrick	B-3474
RA-6	2	Sanitary Napkin Vending	Bobrick	B-47064
RA-7	2	Mirror w Metal Frame	Bobrick	B-165 2436
RA-8	2	Paper Towel & Trash	Bobrick	B-3974
RA-12	2	18"		
AP-1	1	Coffee Maker 2	SODEXO	ITEM CODE #260
AP-4	1	Microwave 2	GE	JEB186DSM
MA-1	1	Towel Dispenser (BRK RM) - Surface Mounted	BOBRICK	B-4262
EQ-2	1	Postage Meter - Countertop	Humana DSI	N/A
RA-1	2	Dyson Airblade	Dyson	AB14
RA-5	2	Sanitary Napkin Disposal	Bobrick	B-270
Grand total: 42				

LIFE SAFETY LEGEND	
	OCCUPANT LOAD
	MAX CAPACITY
	FEC - FIRE EXTINGUISHER CABINET
	AED - AUTOMATED EXTERNAL DEFIBRILLATOR
	1HR TAPE
	EXIT SIGN DIRECTION AS INDICATED

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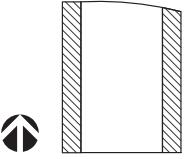


Kerr-Greulich Engineers, Inc.

MEP Engineer

1534 Ormsby Station Ct.
Louisville KY 40224
502.426.9457

Key Plan



Professional Seals

No.	Issue Description	YYYY-MM-DD
1	CD PROGRESS SET	2014.03.11

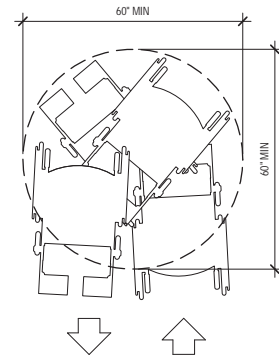
No.	Revision Description	YYYY-MM-DD
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Drawn by Author Reviewed by Checker
Project No 13.01656.00

Sheet Title:
LIFE SAFETY PLAN

Original drawing is 36 x 24 Do not scale contents of this drawing
Sheet Number

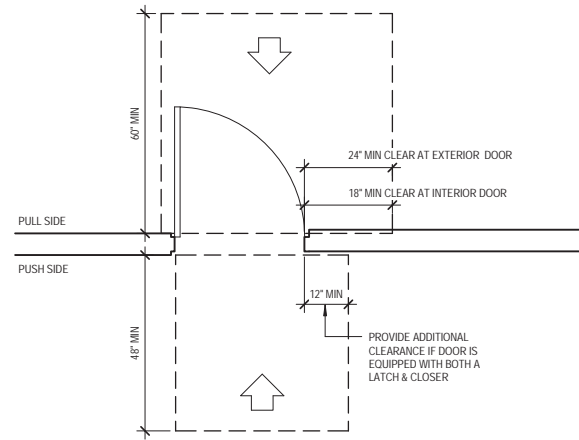
A006



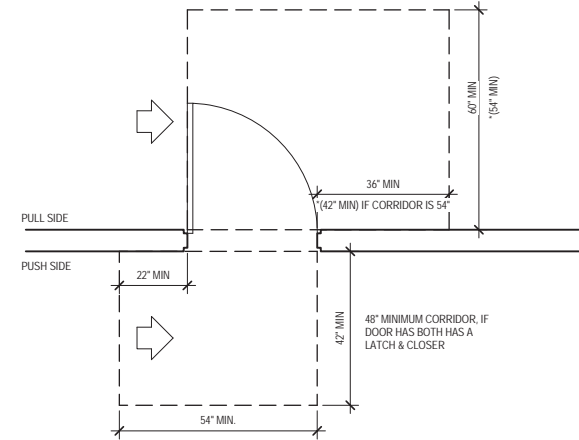
SPACE NEEDED TO TURN A WHEELCHAIR

1 WHEELCHAIR TURNING RADIUS
1/2" = 1'-0"

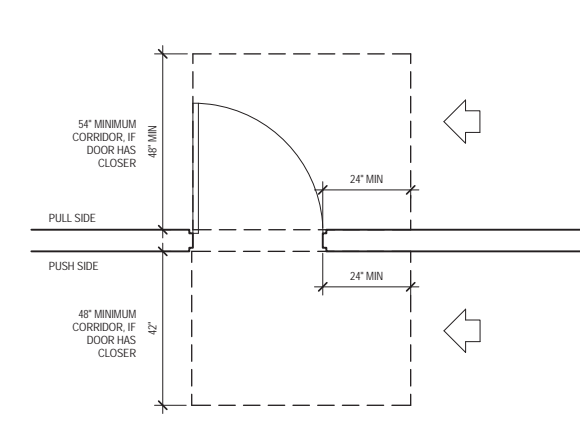
REF: ADA: 304.3 ANSII: 304.3 G100-1006E



A. FRONT APPROACH



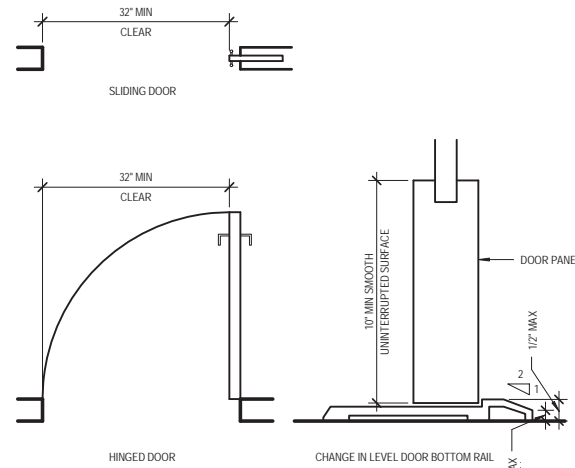
B. HINGE APPROACH



C. LATCH SIDE APPROACH

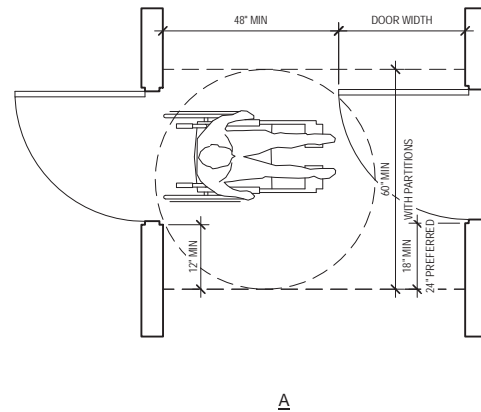
2 SWINGING DOOR APPROACH
1/2" = 1'-0"

REF: ADA: 404.2.4 ANSII: 404.2.1 G100-1007A

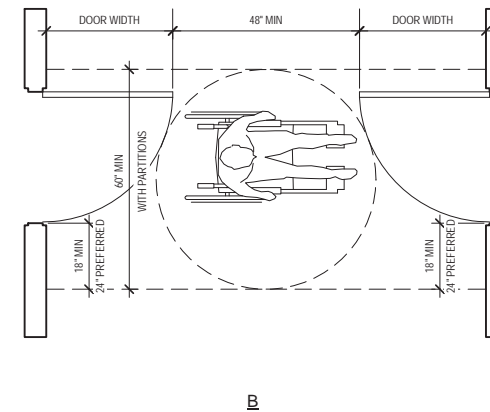


3 DOOR OPENING
6" = 1'-0"

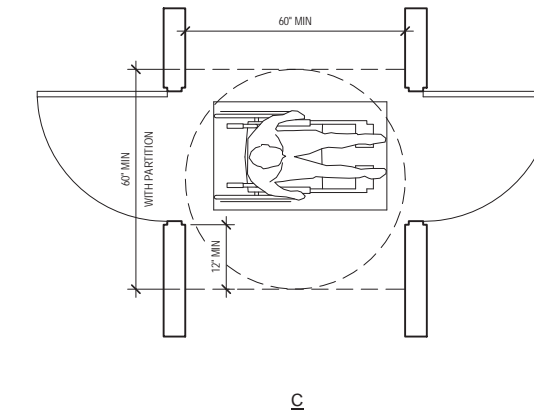
REF: ADA: 404.2.303.3 ANSII: 404.2.2, 404.2.9 G100-1007D



A



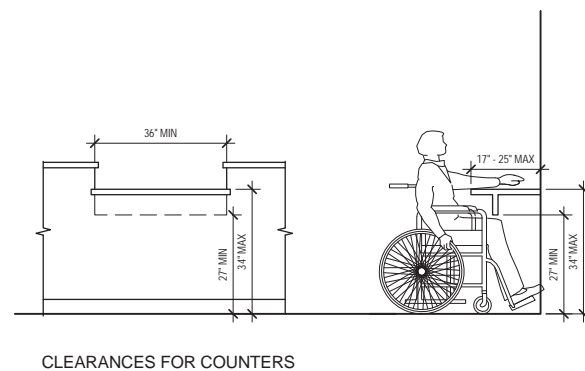
B



C

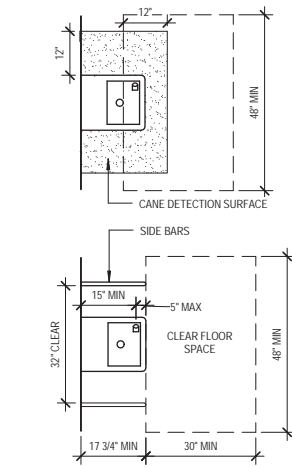
4 TWO HINGED DOORS IN SERIES
1/2" = 1'-0"

REF: ADA: 404.2.6 ANSII: 404.2.5 G100-1007C

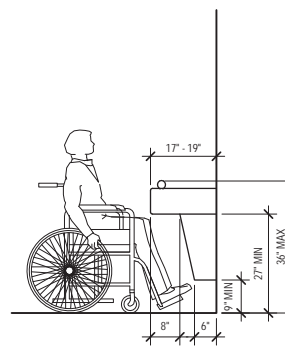


5 MINIMUM CLEARANCE FOR COUNTER
1/2" = 1'-0"

REF: ADA: 306.1 ANSII: 306.2 G100-1009B



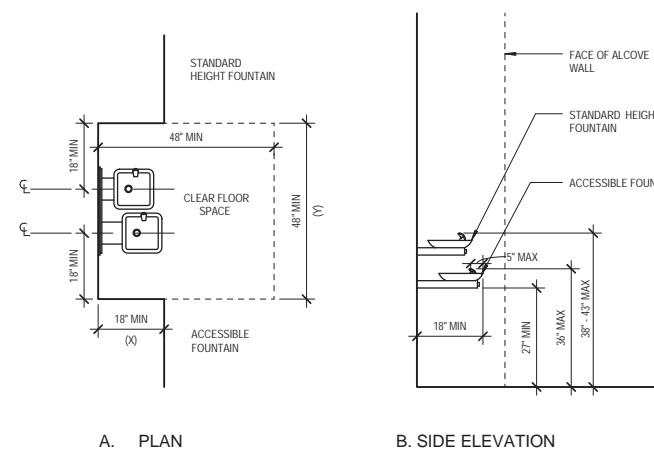
A. PLAN



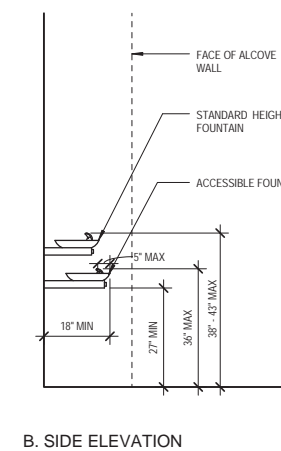
B. SIDE ELEVATION

6 DRINKING FOUNTAIN-NON ALCOVE
1/2" = 1'-0"

REF: ADA: 306.2, 306.3, 602 ANSII: 602.1 G100-1009C

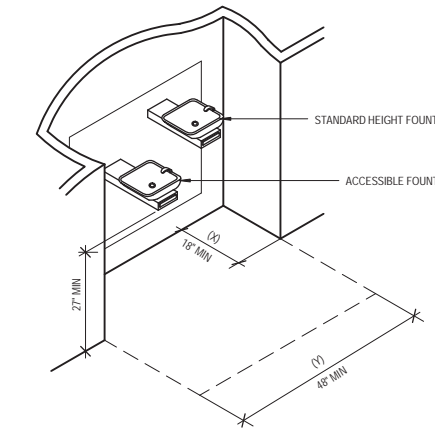


A. PLAN



B. SIDE ELEVATION

7 DRINKING FOUNTAIN HI - LOW
1/2" = 1'-0"



NOTE: IF ALCOVE DEPTH (X) IS GREATER THAN 24", THEN (Y) MUST BE 54" MIN ON AN ACCESSIBLE FOUNTAIN WITH A ROUND OR OVAL BOWL. THE SPOUT MUST BE POSITIONED SO THE FLOW OF WATER IS WITHIN 3" OF THE FRONT EDGE OF THE FOUNTAIN

REF: ADA: 602.7

Original drawing is 36 x 24. Do not scale contents of this drawing. G113-1601 Sheet Number



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Project No 13.01656.00

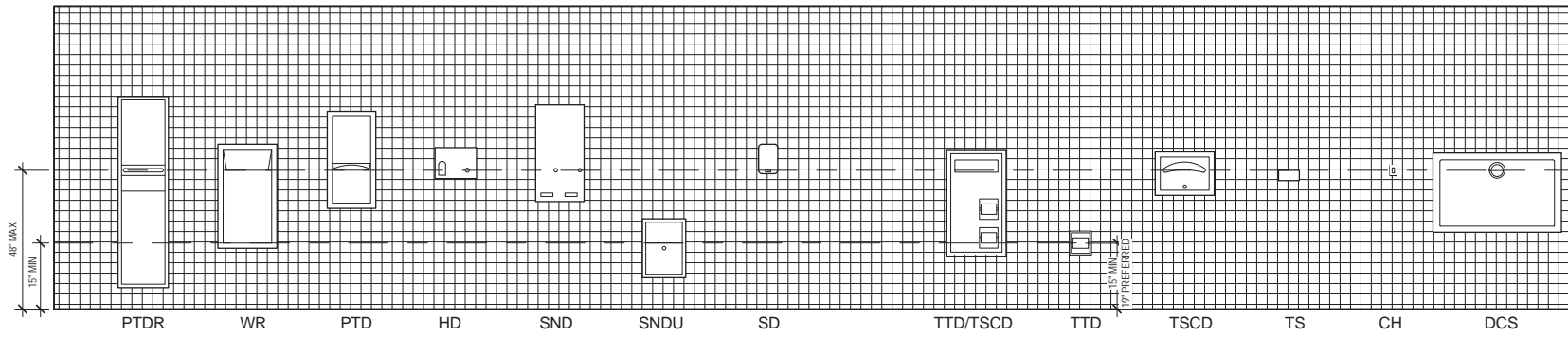
Sheet Title:

ACCESSIBILITY DIAGRAMS

REF: ADA: 602.7
Original drawing is 36 x 24. Do not scale contents of this drawing. G113-1601 Sheet Number

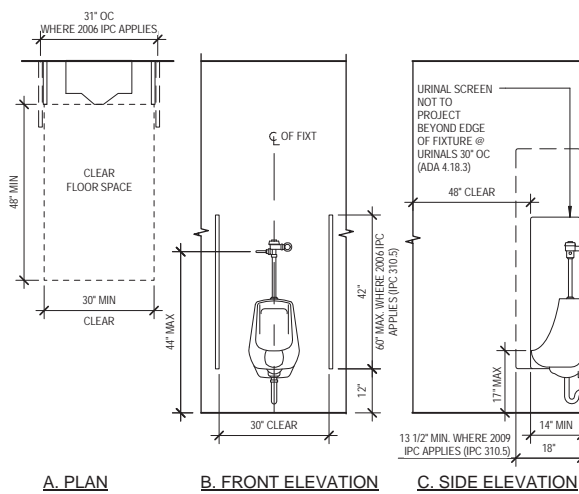
SANITARY ACCESSORIES LIST

ABBREVIATIONS	DESCRIPTIONS
CH	COAT HOOK
DCS	DIAPER CHANGING STATION
HD	HAND DRYER
PTD	PAPER TOWEL DISPENSER
PTDR	PAPER TOWEL DISPENSER/WASTE RECEPTACLE
SD	SOAP DISPENSER
SND	SANITARY NAPKIN DISPENSER
SNDU	SANITARY NAPKIN DISPOSAL UNIT
SS	SHOWER SEAT
TS	TOILETRY SHELF
TTD	TOILET TISSUE DISPENSER
TSCD	TOILET SEAT COVER DISPENSER
TTD/TSCD	TOILET TISSUE DISPENSER/TOILET SEAT COVER DISPENSER
WR	WASTE RECEPTACLE



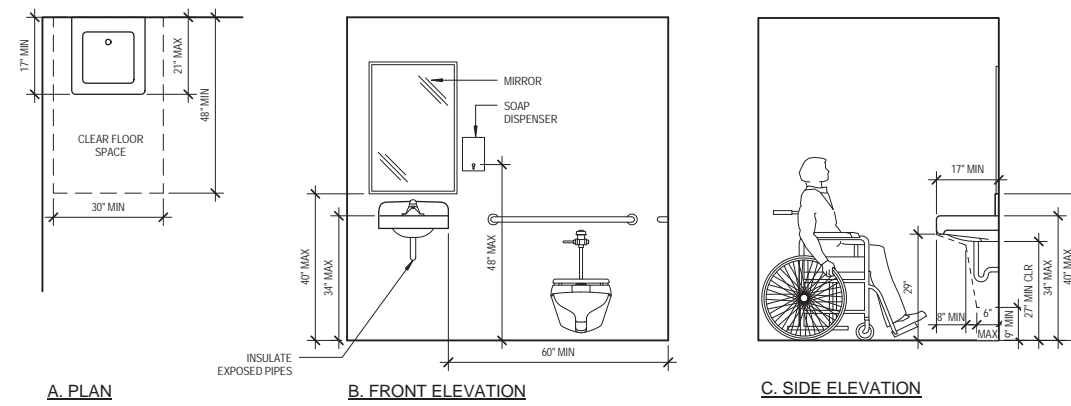
1 MOUNTING HEIGHTS - SANITARY ACCESSORIES
1/2" = 1'-0"

REF: ADA: 308.2.1, 604.7
ANSI: 604.7
G100-1010C



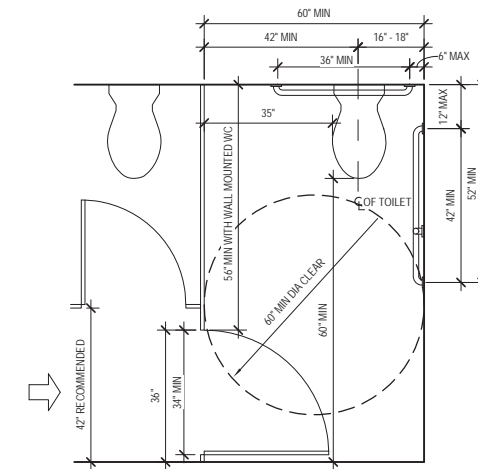
2 ACCESSIBLE URINAL
1/2" = 1'-0"

REF: ADA: 605.1
IPC: 310.5
ANSI: 605.1
G100-1010D



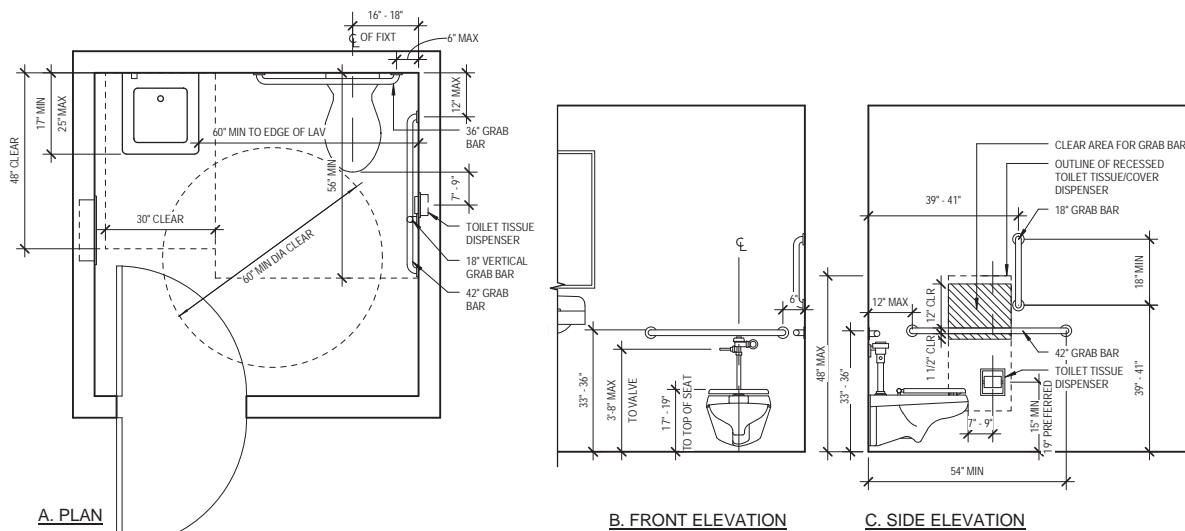
3 ACCESSIBLE LAVATORY
1/2" = 1'-0"

REF: ADA: 603.3, 604.3.2, 606.1, 606.5
ANSI: 606.1
G100-1010E



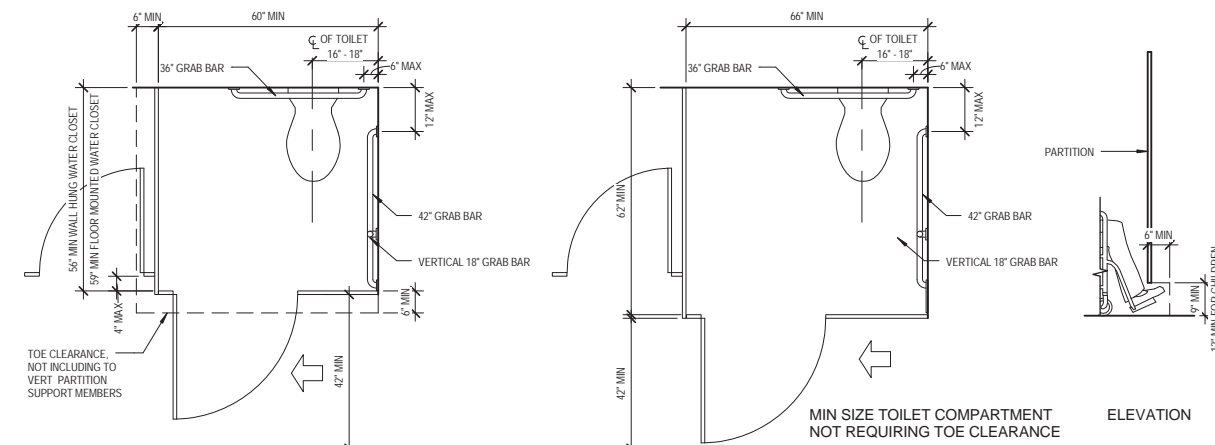
5 MULTI ACCOMMODATION TOILET RM ACCESSIBLE TOILET STALL
1/2" = 1'-0"

REF: ADA: 604.8
ANSI: 604.5.1
G100-1010H



4 SINGLE-ACCOMMODATION TOILET ROOM
1/2" = 1'-0"

REF: ADA: 603.2, 604.2, 604.3.2, 604.7, 604.8, 609.1
ANSI: 604.4
G100-1010F



6 STANDARD ACCESSIBLE TOILET STALL
1/2" = 1'-0"

REF: ADA: 604.8.1.4
ANSI: 604.5.1
G100-1010D

NOT FOR CONSTRUCTION



Project
Humana Memphis, TN
MarketPoint

6515 Poplar Avenue Suites 107&108
Memphis, TN 38119

Prepared for
Humana

Contract No: 13.01656.00



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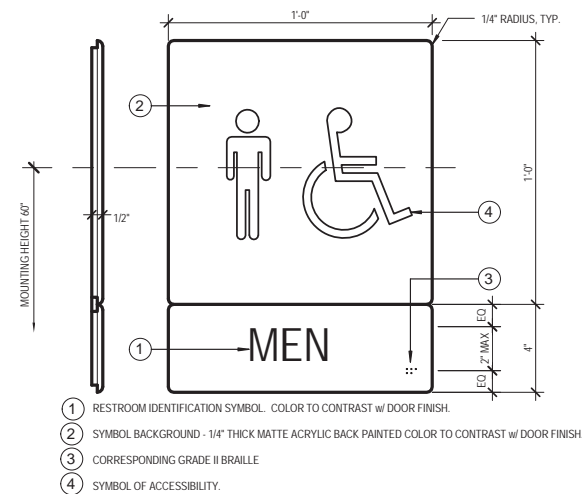
Project No 13.01656.00

Sheet Title:

ACCESSIBILITY DIAGRAMS

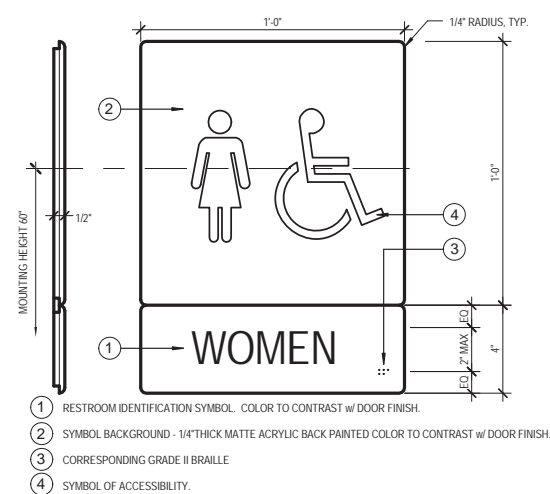
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Sheet Number

A008



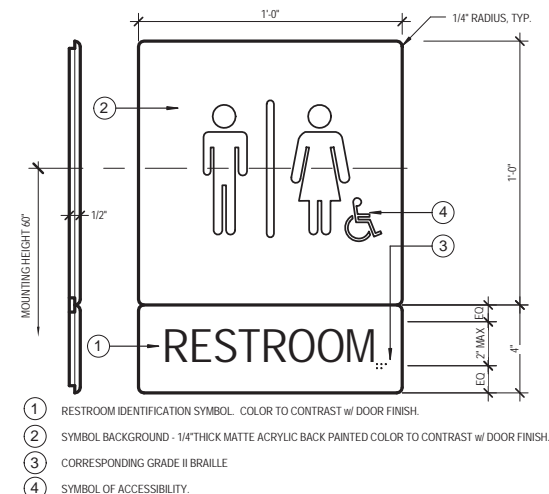
MEN'S RESTROOM

1 WALL MOUNTED SIGNAGE ANSI: 703.5
3" = 1'-0" G100-1012R



WOMEN'S RESTROOM

2 WALL MOUNTED SIGNAGE ANSI: 703.5
3" = 1'-0" G100-1012S



MEN'S/WOMEN'S RESTROOM

3 WALL MOUNTED SIGNAGE ANSI: 703.5
3" = 1'-0" G100-1012T



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Project No 13.01656.00

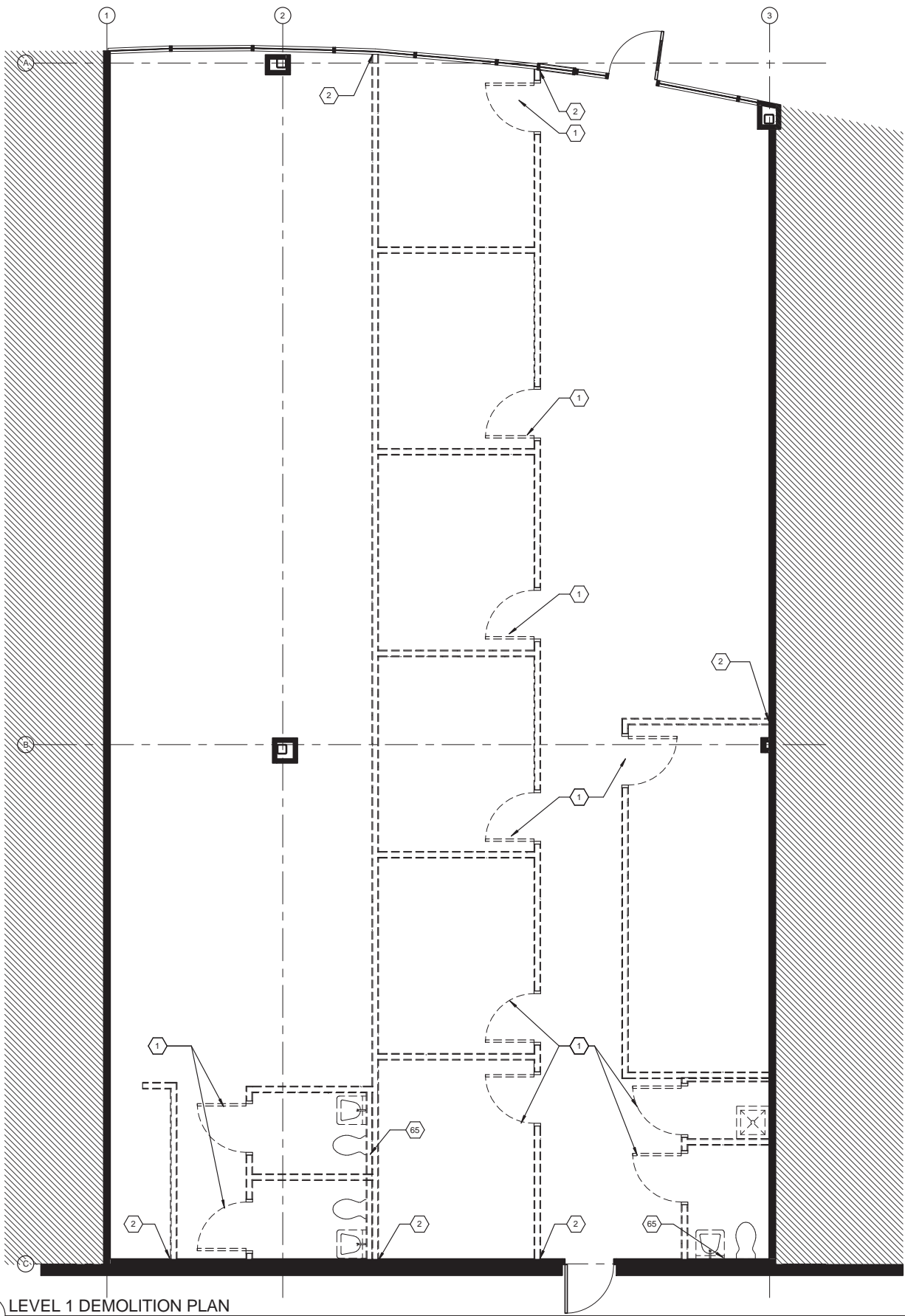
Sheet Title:

**ACCESSIBILITY
DIAGRAMS**

Original drawing is 36 x 24 Do not scale contents of this drawing
Sheet Number

A009

NOT FOR CONSTRUCTION



1 LEVEL 1 DEMOLITION PLAN
1/4" = 1'-0"

GENERAL DEMOLITION NOTES

1. OBTAIN DEMOLITION PERMITS AND INCLUDE ALL COSTS OF SAME IN CONTRACT PRICE, IF REQUIRED.
2. PROVIDE ALL LABOR AND MATERIALS/EQUIPMENT AS REQUIRED TO COMPLETE DEMOLITION AND REMOVAL OF ALL ITEMS AS INDICATED.
3. PROVIDE STRICT CONTROL OF JOB CLEANING AND PREVENT DUST AND DEBRIS FROM REMAINING FROM DEMOLITION/ CONSTRUCTION AREA. KEEP AREA CLEAN.
4. IF ANY QUESTIONS ARISE AS TO THE REMOVAL OF ANY MATERIAL, CLARIFY THE POINT IN QUESTION WITH THE ARCHITECT BEFORE PROCEEDING.
5. DEBRIS REMOVAL SHALL BE PERFORMED USING THE BUILDING FREIGHT ELEVATOR. CONTACT THE BUILDING MGMT OFFICE TO OBTAIN SCHEDULE FOR THE USE OF THE FREIGHT ELEVATORS PRIOR TO SUBMITTING BID. AT COMPLETION OF DEMOLITION WORK, THE CONSTRUCTION AREA(S) SHALL BE LEFT IN "BROOM CLEAN" CONDITION. ALL DEBRIS AND MISCELLANEOUS MATERIAL SHALL BE REMOVED. ALL DEBRIS REMOVAL SHALL BE PERFORMED IN ACCORDANCE WITH BUILDING MANAGEMENT REQUIREMENTS AND PROCEDURES.
6. ALL DOORS, FRAMES, HARDWARE, MECHANICAL ITEMS, PLUMBING FIXTURES, LIGHT FIXTURES (INCLUDING DOWNLIGHTS & FLUORESCENTS), & SPECIAL EQUIPMENT SHOWN TO BE REMOVED, SHALL BE CLEAN AND FREE OF DEFECTS. PROTECTED, SAVED AND RE-USED AS DIRECTED HEREIN, RETURNED TO BUILDING STOCK OR DISPOSED OF AS DIRECTED BY BLDG MGMT.
7. THE ELECTRICAL CONTRACTOR SHALL FURNISH A SYSTEM OF TEMPORARY LIGHT & POWER IN THE SPACE DURING CONSTRUCTION.
8. ALL DEMOLISHED ELECTRICAL DEVICES, PLUMBING LINES, VENTS, DRAINS, APPLIANCES, TO BE REMOVED AND TERMINATED AT THEIR SOURCE UON.
9. IN PARTITIONS TO BE REMOVED, REMOVE AND CAP ALL OUTLETS, SWITCHES, WIRES THERMOSTATS, ETC. TO THEIR SOURCE AS REQUIRED.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND/OR REPAIRING ANY DAMAGE CAUSED BY HIM OR HIS SUBCONTRACTORS TO EXISTING CONSTRUCTION IN ELEVATOR LOBBY, PUBLIC CORRIDORS, RESTROOMS OR TENANT SPACES. REFINISH TO MATCH EXISTING ADJACENT FINISH, OR AS NOTED HEREIN.
11. NO EXISTING SMOKE DETECTOR, PUBLIC ADDRESS SPEAKER, FIRE ALARM BOX OR SIMILAR DEVICE, INCLUDING THE ASSOCIATED WIRING SHALL BE DAMAGED DURING DEMOLITION AND SUBSEQUENT CONSTRUCTION. RELOCATION OF SMOKE DETECTORS, PUBLIC ADDRESS SPEAKERS AND FIRE ALARM EQUIPMENT, IF NECESSITATED BY NEW CONSTRUCTION, SHALL BE ACCOMPLISHED AS A FIRST PRIORITY, AND PER THE PLANS. NO ACTIVE SMOKE DETECTOR SHALL BE COVERED OR OTHERWISE REMOVED OR USED FOR OTHER THAN ITS INTENDED PURPOSE.
12. ALL EXISTING FLOOR MOUNTED OUTLETS SHALL BE REMOVED AND CAPPED OFF TO THE NEAREST JUNCTION BOX. FILL AND LEVEL FLOOR TO ACCEPT NEW SCHEDULED FLOOR COVERING.
13. RE-USE OR RELOCATE ALL ABOVE CEILING DUCTWORK AS CONTAINED HEREIN INCLUDING BUT NOT LIMITED TO, DIFFUSERS, GRILLES, SPRINKLER PIPES OR OTHER EQUIPMENT, AS REQUIRED FOR PROPER DISTRIBUTION WITH NEW LAYOUT.
14. REMOVAL OF ANY EQUIPMENT, CABLING SWITCHES, AND CONDUIT PERTAINING TO DATA/ COMMUNICATIONS AND TELEPHONE SHALL BE VERIFIED WITH TELEPHONE COMPANIES SERVICE OWNER OR TENANT DATA/COMMUNICATIONS REPRESENTATIVE AS REQUIRED TO PREVENT NEW CONSTRUCTION DELAYS.
15. REMOVE ALL EXISTING IRREGULAR MATERIALS WHICH CAUSE RISES OR DEPRESSIONS IN FLOORING SURFACE, SUCH AS FASTENERS, OUTLET CORES, COVER PLATES, RESILIENT FLOOR COVERINGS, CARPET, CARPET PAD, FLASH PATCH, CONCRETE FILL, PLYWOOD, ETC.
16. DEMOLITION IS NOT NECESSARILY LIMITED TO WHAT IS SHOWN ON DRAWINGS. THE INTENT IS TO INDICATE THE GENERAL SCOPE OF DEMOLITION REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONTRACT DRAWINGS. GENERAL CONTRACTOR SHALL VISIT SITE & FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS & NOTE ANY DISCREPANCIES IN WRITING TO PROJECT MANAGER & ARCHITECT.
17. STAIRWAYS AND EXIT PATHS MUST REMAIN ACCESSIBLE AT ALL TIMES DURING DEMOLITION.
18. REMOVE EXISTING SIGNAGE/GRAPHICS AND STORE FOR RE-USE, WHERE APPLICABLE.
19. ALL CEILING AND LIGHTING TO BE REMOVED IN AREAS SHOWN IN CONTRACT.
20. ALL FLOOR AND WALL BASE TO BE REMOVED IN AREAS SHOWN IN CONTRACT.

KEYED NOTES

1	REMOVE EXISTING DOOR AND FRAME AND PREPARE FOR NEW CONSTRUCTION. RETURN DOOR, FRAME, AND HARDWARE TO BUILDING OWNER.
2	PATCH AND REPAIR AS REQUIRED IN PREPARATION FOR NEW CONSTRUCTION.
65	REMOVE EXISTING PLUMBING CAP AS REQUIRED. REFERENCE SHEET A201 AND P101 FOR NEW LAYOUT AND SANITARY LOCATIONS.

DEMOLITION LEGEND

- EXISTING CONSTRUCTION PARTITION, DOOR, GLAZING AND FRAMES TO REMAIN
- EXISTING PARTITION, DOOR, GLAZING AND FRAMES TO BE REMOVED
- AREA NOT IN CONTRACT

NOT FOR CONSTRUCTION



Project
Humana Memphis, TN
MarketPoint
6515 Poplar Avenue Suites 107&108
Memphis, TN 38119

Prepared for
Humana

Contract No: 13.01656.00



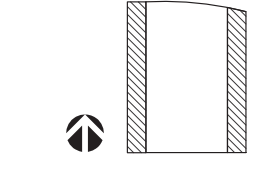
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Key Plan



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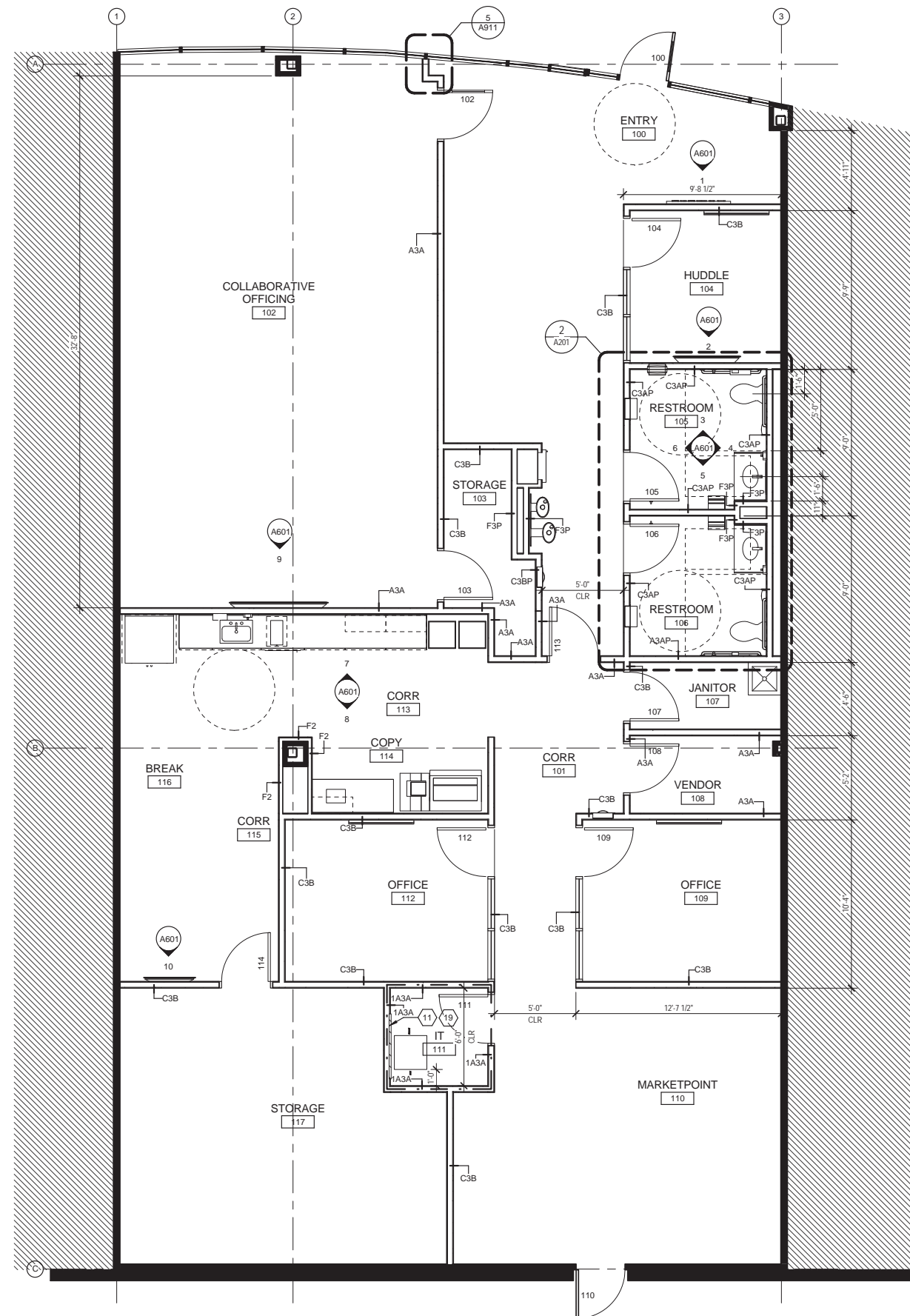
No.	Revision Description	YYYY-MM-DD
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Sheet Title:
LEVEL 1 DEMOLITION PLAN

Original drawing is 36 x 24 Do not scale contents of this drawing
Sheet Number

D201

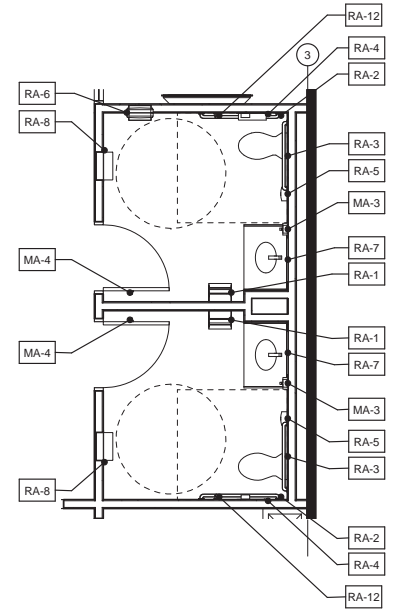


1 LEVEL 1 FLOOR PLAN
1/4" = 1'-0"

3/11/2014 11:32:15 PM

GENERAL PARTITION NOTES

1. ALL GYP BD PARTITIONS SHALL BE TAPED, SPACKLED, AND SANDED WITH NO VISIBLE JOINTS. PROVIDE LEVEL 4 FINISH UON. PATCH AND REPAIR SURFACES TO MATCH ADJACENT OR ADJOINING SURFACES WHERE REQUIRED. ALL SURFACES SHALL BE ALIGNED.
2. WHERE FURRED PARTITIONS EXCEED MAXIMUM HEIGHT, BRACE TO ADJACENT STRUCTURE.
3. FIRE SAFE PENETRATIONS AT RATED PARTITIONS PER APPLICABLE UL ASSEMBLY.
4. ALL INTERIOR PARTITION, PENETRATIONS, OTHER OPENINGS IN THE BUILDING SHELL SHALL BE SEALED, GASKETED, OR WEATHER STRIPPED.
5. PROVIDE METAL STUD ANCHOR BRACKETS AT LOCATIONS INCLUDING BUT NOT LIMITED TO: GRAB BARS, SHELVING, OVERHEAD CABINETS, SIGNAGE, TOILET ROOMS ACCESSORIES, ETC.
6. ALL DIMENSIONS TO THE EXTERIOR WALL ARE TO THE INSIDE FACE OF EXISTING SILL OR FINISH SURFACE. ALL PARTITIONS ARE DIMENSIONED FROM FACE OF PARTITION TYPE AS INDICATED UON. ALL DIMENSIONS MARKED "CLR" OR "CLR" SHALL BE MAINTAINED AND SHALL ALLOW FOR THICKNESSES OF ALL WALL FINISHES. DIMENSIONS SHALL NOT VARY MORE THAN +/- 1/8" WITHOUT WRITTEN CONSENT FROM THE ARCHITECT.
7. ALL WOOD TO BE FIRE RETARDANT TREATED IN ACCORDANCE WITH LOCAL CODES.
8. ALL SIGNAGE IS NIC, UON.
9. EXISTING WALLS TO REMAIN TO BE FLOATED AS REQUIRED TO PROVIDE SMOOTH SUBSTRATE (LEVEL 4). PREPARE FOR INSTALLATION OF NEW FINISHES.
10. PATCH AND REPAIR EXISTING SLAB WITH HYDRAULIC CEMENT UNDRLAYMENT AS REQUIRED IN PREPERATION FOR NEW CONSTRUCTION.
11. GC TO PROVIDE SHOP DRAWINGS OF ALL MILLWORK TO ARCHITECT AND HUMANA PM PRIOR TO MANUFACTURING.
12. GC TO INCLUDE COST TO RE-KEY ALL DOORS ACCESSOR OR CONTAINED WITH IN TENANT SPACE AND COORDINATE WITH BUILDING OWNER FOR MASTER KEYING SYSTEM.
13. GC TO COMPLY WITH ALL ACCESSIBILITY CODES & REQUIREMENTS UON. REFERENCE SHEETS A007-A009 FOR ADDITIONAL INFORMATION. STOP WORK & NOTIFY ARCHITECT OF ANY DISCREPANCIES.
14. ALL CASEWORK, TO BE PREMIUM GRADE OR BETTER AS DEFINED BY THE ARCHITECTURAL WOOD INSTITUTE. PROVIDE BRACKET STOPS AT ALL CORNER OR END CABINETS
15. PROVIDE ADJACENT PARTITION TYPE ABOVE ALL STOREFRONT SYSTEMS.
16. PROVIDE FLOOR STOPS AT ALL DOORS UON.
17. GC TO SUPPLY ALL RESTROOM ACCESSORIES AS INDICATED. NO SUBSTITUTIONS UNLESS APPROVED BY ARCHITECT & HUMANA PMO.
18. SOUND MASKING VENDOR TO COORDINATE SOUND MASKING WITH TENANT. CALIBRATION AND BALANCING PRIOR TO OCCUPATION.
19. GC TO INCLUDE INSTALLATION OF DOOR CHIME IN FRONT AND REAR OF BUILDING. COORDINATE WITH TENANT ON FINAL LOCATION. PROVIDE: NUTONE MODEL LA130WH.
20. GC TO COORDINATE W/FURNITURE VENDOR ON LOCATIONS OF WALL MOUNTED WHITE BOARDS. PROVIDE ADDITIONAL BLOCKING AS REQUIRED.
21. ALL WALLS RECEIVING WALL TALKER WALLCOVERING TO EB INSTALLED 18" AWAY FROM DOOR IN THE OPEN POSITION. TO CORNER OPPOSITE DOOR UON. REFERENCE ELEVATIONS FOR ADDITIONAL INFO.
22. PROVIDE COAT HOOKS ON BACK OF ALL OFFICE DOORS. REFERENCE FURNITURE PLAN.
23. REFER TO DEVICE ALIGNMENT DIAGRAMS ON SHEET A901 FOR TYPICAL LOCATIONS OF SWITCHES, CONTROLS, AND DEVICES.
24. GC TO INCLUDE COST FOR MANUAL BLINDS IN PRICE. VERIFY WITH TENANT & LANDLORD TO DETERMINE WINDOW BLIND SPECIFICATION. PROVIDE ADDITIONAL BLOCKING AS REQUIRED. GC TO COORDINATE WITH LANDLORD REGARDING BUILDING STANDARD EXTERIOR GLAZING AND TINTING.
25. PROVIDE CORNER GUARDS AT ALL OUTSIDE CORNERS UON.
26. GC TO PROVIDE FIRE DAMPERS AT ALL RATED PARTITIONS UON. COORDINATE WITH MECHANICAL DRAWINGS.
27. ALL DEMISING WALLS TO EXTEND TO DECK WITH GYP BOARD EXTENDING FULL HEIGHT OF PARTITION UON.
28. ALL HUMANA IT ROOMS TO BE DEDICATED SPECIFICALLY FOR HUMANA IT EQUIPMENT AND NO OTHER SERVICES INCLUDING CUSTODIAL, MECHANICAL, ELECTRICAL, PLUMBING, AND/OR AIR HANDLING EQUIPMENT. IN ADDITION WHERE APPLICABLE, NO OUTSIDE VENDORS OR EQUIPMENT SHALL SHARE MOD, IDF, OR RISER ROOMS WITHOUT THE APPROVAL OF HUMANA NETWORK SERVICES & ARCHITECT.
29. NO WATER SUPPLY, DRAINAGE, OR EQUIPMENT PRODUCING WATER TO BE IN, ABOVE, OR AROUND IT & COMMUNICATION ROOMS UNLESS APPROVED BY HUMANA NETWORK SERVICES & ARCHITECT. GC TO NOTIFY PROJECT MANAGER & ARCHITECT OF ANY DISCREPANCIES PRIOR TO EXECUTION OF DOCUMENTED WORK.
30. INSULATION ABOVE CEILING TO COMPLY W/IECC 2009 REQUIREMENT FOR CLIMATE ZONE 2A. TO HAVE A TOTAL R VALUE AS INDICATED BY SECTION 502. IF EXISTING R-VALUE IS DEFICIENT, CONTRACTOR SHALL PROVIDE ADDITIONAL INSULATION TO COMPLY WITH IECC 2009. WHERE REQUIRED, APPLY INSULATION AND THERMAL BARRIER ACCORDING TO SPECIFICATION SECTION 07 21 19 THERMAL INSULATION.
31. PREFERRED LOCATION OF FIRE PANEL TO BE IN HUMANA VENDOR ROOM. GC TO COORDINATE WITH LOCAL JURISDICTION ON FINAL LOCATION OF PANEL PRIOR TO COMMENCEMENT OF WORK. NOTIFY ARCHITECT OF ANY DISCREPANCIES.



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

FFE SCHEDULE				
TAG	QTY	Type	MANUF.	MODEL
	1	Multi Function Printer	Humana DSI	N/A
AED	1	Defibrillator		
AP-2	1	Refrigerator - Side X Side	GE	GSHS6HGSS
AV	2			
AV	1	46" LCD		
EQ-3	2	Shredder Bin	--	20"x20"
FEC	2	FEC Semi Recessed	N/A	N/A
MA-1	1	Standard Unit		
MA-2	1	Soap Dispenser BRK RM Wall Mounted	American Specialties	#0361
MA-3	2	Soap Dispenser	Gojo	2799-12eou00 / 2762-06
MA-4	2	Coat Hook	Peter Pepper	2041 Alum
MKB	3	Marker Board 4'-0"	Steelcase	N/A
RA-2	2	Grab Bar 42"	Bobrick	B-6806-42
RA-3	2	Grab Bar 36"	Bobrick	B-6806-36
RA-4	3	Toilet Tissue & Seat Cover Dispen.	Bobrick	B-3474
RA-6	2	Sanitary Napkin Vending	Bobrick	B-47064
RA-7	2	Mirror w Metal Frame	Bobrick	B-165 2436
RA-8	2	Paper Towel & Trash	Bobrick	B-3974
RA-12	2	18"		
AP-1	1	Coffee Maker 2	SODEXO	ITEM CODE #260
AP-4	1	Microwave 2	GE	JEB1860SM
MA-1	1	Towel Dispenser (BRK RM) - Surface Mounted	BOBRICK	B-4262
EQ-2	1	Postage Meter - Countertop	Humana DSI	N/A
RA-1	2	Dyson Airblade	Dyson	AB14
RA-5	2	Sanitary Napkin Disposal	Bobrick	B-270
Grand total: 42				

KEYED NOTES

- 11 GC TO PROVIDE 4'X8' SHEET OF 3/4" FIRE RETARDANT PLYWOOD & PAINT TO MATCH WALL, LEAVING FIRE RATING STAMP EXPOSED AT THIS LOCATION.
- 19 REFERENCE MEP DRAWINGS FOR IT ROOM REQUIREMENTS

FLOOR PLAN LEGEND

- (E) ROOM OR ZONE TO REMAIN, NOT INCLUDED IN THIS SCOPE OF WORK
- (E) GYP BD PARTITION TO REMAIN
- NEW GYP BD PARTITION AS INDICATED
- NEW GLAZED OPENING WITH ALUM OR HM FRAME AS INDICATED
- NEW DOOR, DOOR IDENTIFIER ASSEMBLY AS INDICATED ON SHEET A901
- FRAME TYPE, REFERENCE SHEET A901

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Humana Memphis, TN MarketPoint
6515 Poplar Avenue Suites 107&108
Memphis, TN 38119

Prepared for
Humana

Contract No: 13.01656.00



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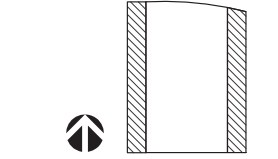


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Key Plan



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No.	Issue Description	YYYY-MM-DD
1	CD PROGRESS SET	2014.03.11

No.	Revision Description	YYYY-MM-DD
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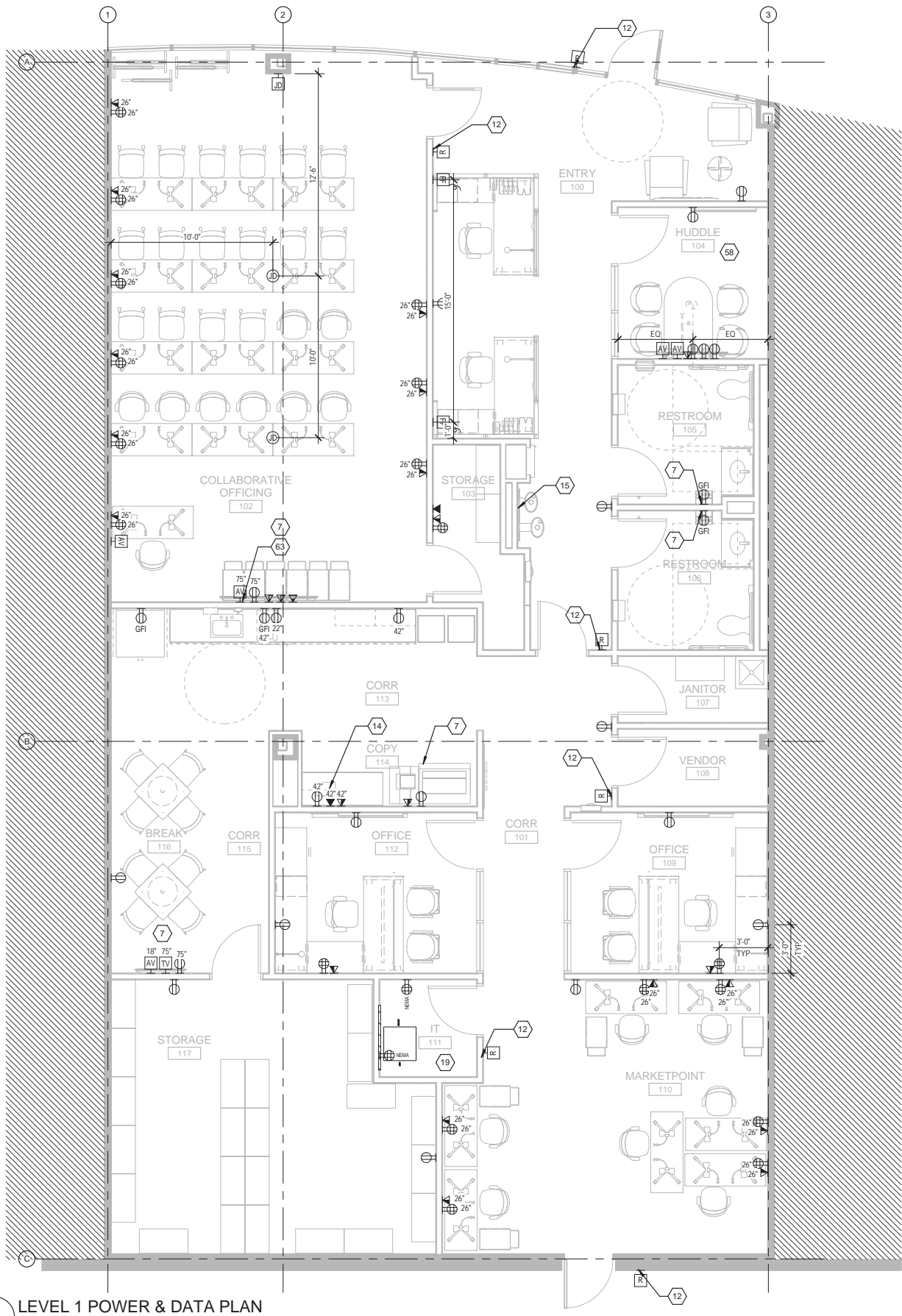
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Sheet Title:

LEVEL 1 FLOOR PLAN

Original drawing is 36 x 24 Do not scale contents of this drawing
Sheet Number

A201



1 LEVEL 1 POWER & DATA PLAN
1/4" = 1'-0"

GENERAL POWER & DATA NOTES

1. ARCHITECT TO VERIFY ALL POWER & SIGNAL LOCATIONS PRIOR TO INSTALLATION.
2. COORDINATE OUTLETS WITH MILLWORK IN ALL LOCATIONS.
3. PROVIDE GFI OUTLETS IN ALL "WET" AREAS.
4. VERIFY CORE LOCATIONS WITH FURNITURE VENDOR AND SUBMIT ANY CHANGES TO ARCHITECT FOR REVIEW PRIOR TO DRILLING.
5. FURNITURE IS SHOWN FOR REFERENCE PURPOSES ONLY. UON.
6. SURVEY FIELD CONDITIONS AND VERIFY THAT WORK IS FEASIBLE AS SHOWN. VERIFY LOCATION OF ALL OUTLETS IN RELATION TO STRUCTURAL AND OTHER ELEMENTS AS REQUIRED. NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING WITH WORK.
7. ARCHITECTURAL DRAWINGS DETERMINE LOCATION AND TYPE (ARCHITECT TO VERIFY W/ ENGINEER) OF ALL OUTLETS AND TAKE PRECEDENCE OVER ALL OTHERS. UON. ELECTRICAL ENGINEER'S POWER PLAN SHALL GOVERN THE WIRING LAYOUT AND INSTALLATION IN COMPLIANCE WITH ALL LAWS APPLICABLE AND ENFORCED BY GOVERNING AUTHORITIES.
8. OUTLETS SHOWN BACK TO BACK ON PARTITION WALLS SHALL BE OFFSET 24" OC, OR MOUNTED AT DIFFERENT HEIGHTS IF INDICATED.
9. COORDINATE ALL WORK RELATED TO EQUIPMENT WITH MANUFACTURER'S RECOMMENDATIONS, SPECIFICATIONS AND INSTRUCTIONS.
10. ALL EXISTING AND NEW FLOOR SLAB PENETRATIONS FOR CONDUIT OR PLUMBING LINES SHALL BE FULLY PACKED & SEALED IN ACCORDANCE WITH THE APPLICABLE BUILDING AND FIRE CODES.
11. FURNISH AND INSTALL UNDERWRITERS LABORATORIES, INC. (UL) LABELED DEVICES THROUGHOUT.
12. INSTALL WALL MOUNTED OUTLETS 18 INCHES ABOVE FINISHED FLOOR, UON HEIGHTS SHALL BE DETERMINED FROM FINISHED FLOOR TO THE CENTERLINE OF COVER PLATE. INSTALLED VERTICALLY, GROUNDING POLE AT TOP. UON.
13. MAINTAIN A 4-INCH HORIZONTAL CLEARANCE IN ALL DIRECTIONS, MIN. FROM EDGE OF COVER PLATE, FOR WALL MOUNTED OUTLETS, OR FROM EDGE OF MONUMENT FOR FLOOR MOUNTED OUTLETS, WHEN ADJACENT TO A WALL, COLUMN, OR SIMILAR ELEMENTS, UON.
14. INDICATED DIMENSIONS ARE TO THE START OF THE COVER PLATE OR MONUMENT, UON.
15. ELECTRICAL SWITCH AND OUTLET COVER PLATES, SURFACE HARDWARE, ETC. SHALL BE INSTALLED AFTER PAINTING AND/OR APPLICATION OF WALL COVERINGS & CARPET SPECIFIED.
16. FURNISH AND INSTALL ALL FIXTURES, ASSOCIATED TRIM AND FIXTURE LAMPS AS REQUIRED. PROVIDE EXTENSION RINGS AND MOUNTING ACCESSORIES WHERE REQUIRED FOR POWER / DATA DEVICES AND LIGHT FIXTURES TO COORDINATE WITH INTERIOR FINISHES AND CASEWORK.
17. PROVIDE ADDITIONAL COURTESY OUTLETS AS REQUIRED PER APPLICABLE LOCAL CODES.
18. ALIGN POWER / DATA DEVICES, AND WALL MOUNTED LIGHT FIXTURES AT THE CENTERLINE OF THE WALL SECTION THEY ARE MOUNTED ON, UON.
19. COORDINATE POWER / DATA DEVICE & LIGHT FIXTURE MOUNTING LOCATIONS WITH INTERIOR ELEVATIONS, FINISHES, & CASEWORK.
20. GC TO COORDINATE WITH FURNITURE VENDOR ON FINAL LOCATIONS OF ALL FLOOR CORES. WIRING REQUIREMENTS AND MOUNTING HEIGHT OF OUTLETS PRIOR TO EXECUTION OF ASSOCIATED WORK. PROVIDE ACCESSIBILITY TO OUTLETS WHEN FURNITURE IS IN PLACE.
21. ALL AV SYSTEM POWER & DATA & COMPONENTS ARE SHOWN FOR INTENT. ADDITIONAL POWER & DATA MAY BE REQUIRED. GC TO COORDINATE WITH AV VENDOR FOR FINAL SYSTEM REQUIREMENTS, INCLUDING CONDUIT AND BOX SIZES AND ASSOCIATED EQUIPMENT SPECS.
22. PROVIDE GROUND BUS BARS AT VENDOR ROOM & IDF ROOMS AS REQUIRED. GC TO COORDINATE WITH SECURITY, TELECOM, FIRE, AND IT VENDORS FOR REQUIREMENTS.
23. GC TO COORDINATE ALL SWITCHES, STROBES, AND WALL MOUNTED DEVICES WITH SCHEDULED AV EQUIPMENT. REFERENCE A901 FOR ADDITIONAL INFORMATION.
24. ALL CABLING ROUTING THROUGH NON-HUMANA SPACE TO BE IN CONDUIT UON. WHERE APPLICABLE. PROVIDE MIN. 4" SLEEVE INTO SERVER AND VENDOR ROOMS FOR CABLE RUNS AS REQUIRED.
25. ALL SWITCHES, DEVICES, OUTLETS, AND COVER PLATES TO BE WHITE UON.
26. COORDINATE CARD READER LOCATIONS WITH TENANTS SECURITY.

KEYED NOTES

7	COORDINATE POWER REQUIREMENTS & MOUNTING HEIGHTS WITH SCHEDULED EQUIPMENT
12	PROVIDE POWER AS REQUIRED FOR ELECTRONIC CARD READER
14	PROVIDE ANALOG LINE FOR POSTAGE MACHINE AT 42" AFF.
15	PROVIDE POWER AS REQUIRED FOR ELECTRIC WATER COOLER.
19	REFERENCE MEP DRAWINGS FOR IT ROOM REQUIREMENTS
58	REFERENCE AV DETAILS ON SHEET A925 FOR ADDITIONAL INFORMATION
63	COORDINATE ALL POWER REQUIREMENTS WITH AV VENDOR IN THIS LOCATION.

POWER & DATA LEGEND

- WALL MOUNTED QUADRUPEX OUTLET
- WALL MOUNTED DUPLEX OUTLET
- WALL MOUNTED DEDICATED DUPLEX OUTLET
- WALL MTD POWER OUTLET, "GFI" INDICATES GROUND FAULT INTERRUPT, 18" AFF UON
- FLUSH FLOOR JUNCTION BOX - POWER, DATA AND AV WHERE REQUIRED (HARDWARE)
- WALL MOUNTED ANALOG OUTLET
- FLUSH FLOOR FURNITURE FEED - POWER, DATA, AND AV WHERE REQUIRED (4 POWER AND 4 DATA TYPICAL WHEN HARDWARE NOT REQUIRED)
- DOOR CONTROL
- FLUSH FLOOR JUNCTION BOX W/ FACEPLATE - POWER, DATA AND AV WHERE REQUIRED (4 POWER, 4 DATA)
- WALL MOUNTED COMBO VOICE & DATA
- WALL MOUNTED TV JACK
- WALL MOUNTED AV SYSTEM JUNCTION
- WALL MOUNTED FURNITURE FEED - POWER AND DATA JUNCTION BOX. VERIFY REQUIREMENTS WITH FURNITURE
- WALL MOUNTED JUNCTION BOX - POWER, DATA, AND AV WHERE REQUIRED (4 POWER AND 4 DATA TYPICAL WHEN HARDWARE NOT REQUIRED)
- WALL MOUNTED CARD READER

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MarketPoint

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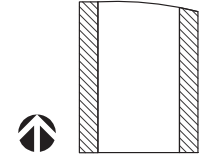


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Key Plan



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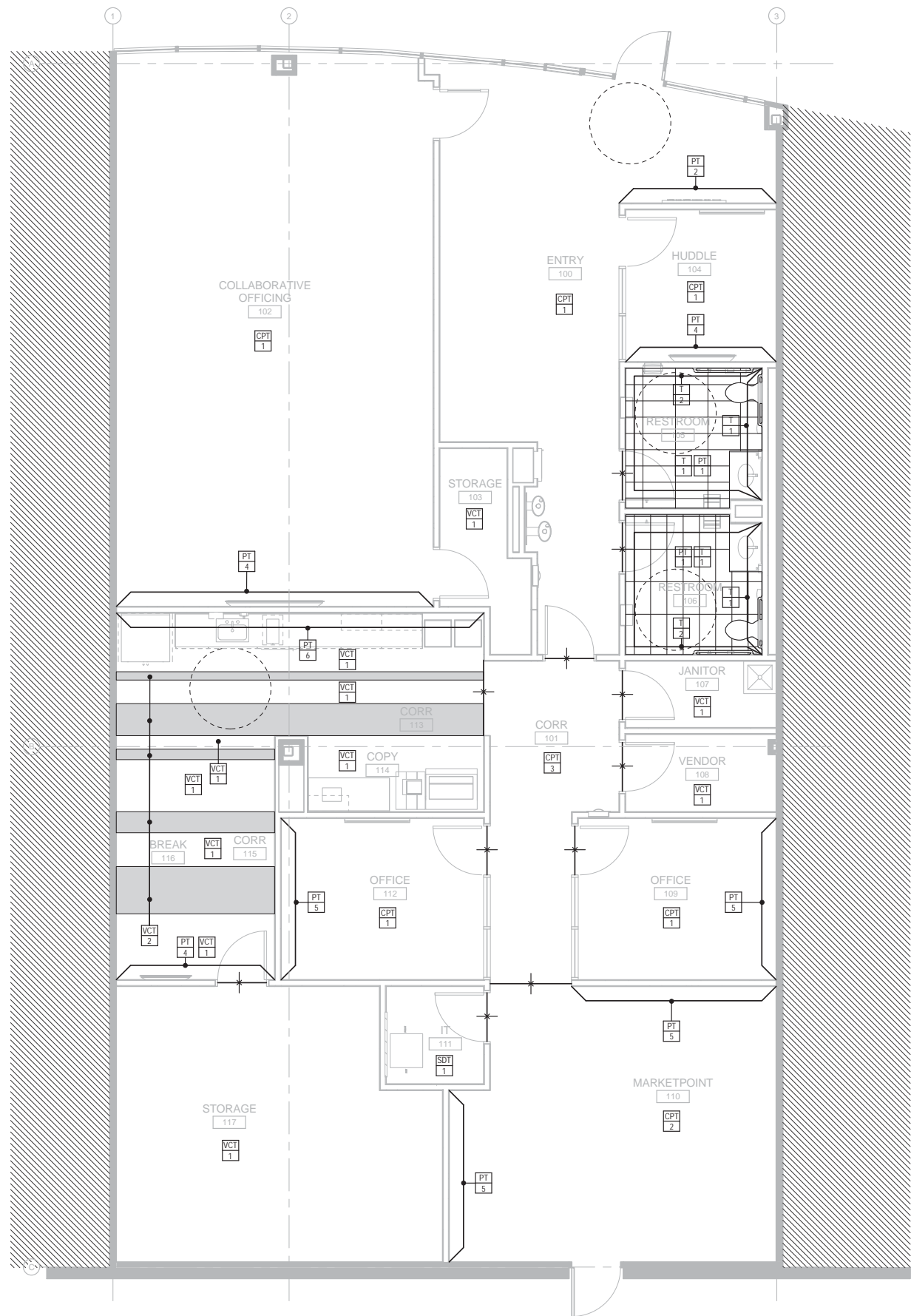
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Sheet Title:

LEVEL 1 POWER & DATA PLAN

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Sheet Number

A211



GENERAL FINISH NOTES

- NO PAINTING OR INTERIOR FINISHING SHALL BE DONE UNDER CONDITIONS WHICH WILL JEOPARDIZED THE QUALITY OR APPEARANCE OF SUCH WORK. ALL WORKMANSHIP WHICH IS JUDGED LESS THAN FIRST QUALITY BY THE ARCHITECT WILL BE REJECTED. FLAME SPREAD TO BE CLASS 1-0-25. SMOKE DENSITY TO BE LESS THAN 450.
- ALL SURFACES SHALL BE PREPARED TO RECEIVE THE SPECIFIED FINISH. ALL GYPSUM BOARD PARTITIONS SHALL BE TAPED, SPACKLED AND SANDED SMOOTH AND PREPARED TO RECEIVE THE SPECIFIED FINISH. PAINT GRADE WOODWORK SHALL BE HAND SANDED BETWEEN COATS AND DUSTED CLEAN. ALL HOLES, PITCH POCKETS OR SAPPY PORTIONS SHALL BE SCRAPPED AND SHELLACKED, OR SEALED WITH KNOT SEALER. NAIL HOLES, CRACKS OR DEFECTS SHALL BE PUTTIED AFTER FIRST COAT, WITH PUTTY MATCHING COLOR OF STAIN OR PAINT FINISH. REMOVE OIL OR GREASE WITH MINERAL SPIRITS.
- ALL CRACKS, HOLES, IMPERFECTIONS IN EXISTING WALLS, PARTITIONS OR GYP BOARD SHALL BE FILLED WITH PATCHING PLASTER AND SMOOTHED OFF TO MATCH ADJOINING SURFACES.
- INTERIOR GYPSUM BOARD SURFACES SHALL BE WIPED WITH A DAMP CLOTH JUST PRIOR TO APPLICATION OF THE FIRST COAT, IN ORDER TO LAY FLAT ANY NAP WHICH MAY HAVE FORMED IN SANDING PROCESS.
- UPON COMPLETION, REMOVE ALL PAINT FROM WHERE IT HAS SPILLED, SPLASHED OR SPATTERED ON EXPOSED SURFACES.
- ALL VENEER STAINS SHALL HAVE UNIFORM COLOR.
- EXAMINE ALL FINISH SURFACES AFTER COMPLETION OF WORK AND PROCEED WITH "TOUCH-UP" AS REQUIRED.
- PROVIDE ARCHITECT WITH A MINIMUM OF (3) 8" X 10" BRUSH-OUTS OF EACH COLOR & FINISH FOR ARCHITECT'S APPROVAL AT LEAST 2 WEEKS PRIOR TO SITE APPLICATION. ON-SITE APPLICATION WILL BE REQUIRED ONE WEEK PRIOR TO FINAL APPROVAL. ARCHITECT RESERVES THE RIGHT TO ADJUST ANY COLOR/FINISH ONCE THE WALL TEST HAS BEEN MADE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALLOWING FOR DELIVERY LEAD TIMES FOR ALL FABRICS AND OTHER CUSTOM FINISHES WITHIN THE CONSTRUCTION SCHEDULE. ALL DELIVERY TIMES MUST BE CONFIRMED, AND ANY EXCESSIVE LEAD TIME MUST BE BROUGHT TO THE ARCHITECT'S ATTENTION IMMEDIATELY TO ALLOW FOR RE-SPECIFICATION IF NECESSARY.
- ALL VERTICAL SURFACES UON SHALL RECEIVE WALL BASE. INSTALL STRAIGHT BASE AT CARPET, COVE BASE AT RESILIENT FLOORING.
- SEE FINISH PLAN, ELEVATIONS AND DETAILS FOR CLARIFICATION OF EXTENT OF FINISH MATERIALS.
- PAINT IS DEFINED AS ONE PRIMER COAT AND 2 FINISH COATS.
- PAINT CEILING ACCESS PANELS WHERE THEY OCCUR TO MATCH ADJACENT CEILING FINISH.
- STAINED AND PAINTED SURFACES SHALL BE FINISHED SUCH THAT JOINTS ARE NOT VISIBLE WHEN VIEWED FROM ANY ANGLE AS DETERMINED BY THE ARCHITECT.
- APPLY FABRIC SO WALL IS DIVIDED WITH A MINIMUM NUMBER OF SEAMS, AND WITH EQUAL WIDTH PANELS UON.
- ALL INTERSECTIONS OF FLOOR FINISH MATERIALS SHALL BE LOCATED DIRECTLY UNDER CENTER OF DOOR, WHERE OCCURS, UON.
- ALL OPEN CABINETS SHALL BE PLASTIC LAMINATE ON ALL EXPOSED SURFACES, UON APPLY WHITE MELAMINE TO INTERIOR OF CABINETS WITH DOORS AND DRAWERS, UON.
- NO FINISHING IN BUILDING SERVICE / CORE AREA UON.
- PAINT ALL EXPOSED SURFACES, INCLUDING DOOR FRAMES, GRILLES, FIRE HOSE OR EXTINGUISHER CABINETS, EXPOSED PIPING, ETC. UON.
- ALL WALLS TO RECEIVE WB-1 & PT-1 UON.
- ALL GYP BOARD CEILINGS AND SOFFITS TO BE PT-7 UON.
- ALL EXTERIOR WALLS & COLUMNS TO RECEIVE PT-1 UON.
- ALL 2X2 ACOUSTICAL CEILING TO BE ACT-1 UON.
- ALL FLOORS TO RECEIVE CPT-2 UON.
- ALL COVER PLATES, SWITCHES, OUTLETS, RECEPTACLES, AND DEVICES TO BE WHITE UON. NO EMPTY COVER PLATES TO REMAIN IN SPACE UPON COMPLETION. PATCH AND PAINT AS REQUIRED.
- ALL OUTSIDE CORNERS TO RECEIVE CORNER GUARDS CG-1.

KEYED NOTES

FINISH LEGEND

PAINT		TILE FLOORING		MISC.	
PT 1	GENERAL PAINT COLOR (WHITE) MFR: SHERWIN WILLIAMS FINISH: EGGSHELL COLOR: SPARE WHITE SW 6203	T 1	PORCELAIN TILE MFR: DAL TILE STYLE: FABRIQUE COLOR: P86 CREME LINEN SIZE: 12X24 GROUT: 1/8" MAPEI #35 NAVAJO BROWN	WD 1	WOOD VENEER - STAIN GRADE - MAPLE FINISH: TO MATCH STEELCASE CLEAR MAPLE 3222
PT 2	PAINT (GREEN) MFR: BENJAMIN MOORE FINISH: EGGSHELL COLOR: STEM GREEN 2029-40	T 2	PORCELAIN TILE MFR: DAL TILE STYLE: FABRIQUE COLOR: P86 CREME LINEN SIZE: 4X4 GROUT: 1/8" MAPEI #35 NAVAJO BROWN	GL 1	GLASS STYLE: VISION GLASS 1/4" TEMPERED
PT 3	PAINT (DARK GREEN) MFR: SHERWIN WILLIAMS FINISH: EGGSHELL COLOR: GRASSHOPPER SW 6733	CPT 1	GENERAL CARPET MFR: SHAW STYLE: MIRROR IMAGE COLOR: CUSTOM Q384X INSTALL: ASHLAR	GL 2	GLASS STYLE: VISION GLASS 1/2" TEMPERED
PT 4	PAINT (DARK GRAY) MFR: SHERWIN WILLIAMS FINISH: EGGSHELL COLOR: ATTITUDE GRAY SW 7060	CPT 2	GENERAL CARPET MFR: SHAW STYLE: PRISMA COLOR: CUSTOM Q024X INSTALL: ASHLAR	GL 3	GLASS STYLE: VISION GLASS 3/4" TEMPERED
PT 5	PAINT (GRAY) MFR: SHERWIN WILLIAMS FINISH: EGGSHELL COLOR: MAGNETIC GRAY SW 7058	CPT 3	GENERAL CARPET MFR: SHAW STYLE: PRISMA COLOR: CUSTOM Q023X INSTALL: ASHLAR	SC 1	SEALED CONCRETE
PT 6	PAINT (PLUM) MFR: SHERWIN WILLIAMS FINISH: EGGSHELL COLOR: FRAMBOISE SW 6566	CPT 4	ACCENT CARPET MFR: SHAW STYLE: TRU COLORS COLOR: CUSTOM GREEN Q029X INSTALL: REFERENCE A221	ACT 1	ACOUSTICAL CEILING TILE MFR: ARMSTRONG STYLE: DUNE - ANGLED TEGULAR 2X2 COLOR: WHITE GRID: ARMSTRONG - PRELUDE XL 15/16" EXPOSED "T"
PT 7	CEILING PAINT MFR: BENJAMIN MOORE FINISH: FLAT COLOR: CEILING BRIGHT WHITE	PL 1	PLAM COUNTERTOP MFR: PIONITE STYLE: AG 021 COLOR: SABLE FINISH: MATTE INSTALL: GRAB IN LONG DIRECTION, WITH TOP AND FRONT EDGE BAND PARALLEL	CG 1	CORNER GUARDS MFR: PITTCO REFERENCE SPEC SECTION: 10.26.00
VCT 1	VCT MFR: ARMSTRONG STYLE: IMPERIAL TEXTURE COLOR: 51927 FIELD GRAY	PL 2	PLAM CABINETS - DOORS (HORZ) MFR: FORMICA STYLE: 918-SP (918-58 FOR INTERIOR) COLOR: WHITE FINISH ON EXTERIOR: SCULPTED FINISH ON INTERIOR: MATTE	WB 1	WALL BASE MFR: JOHNSONITE STYLE: COVE 4" COLOR: 20 CHARCOAL
VCT 2	VCT MFR: ARMSTRONG STYLE: IMPERIAL TEXTURE COLOR: 51866 LITTLE GREEN APPLE	PL 3	GENERAL CARPET MFR: SHAW STYLE: WILSONART STYLE: KENSINGTON MAPLE 10776 FINISH: MATTE		



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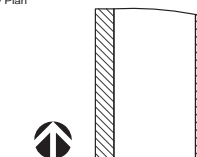


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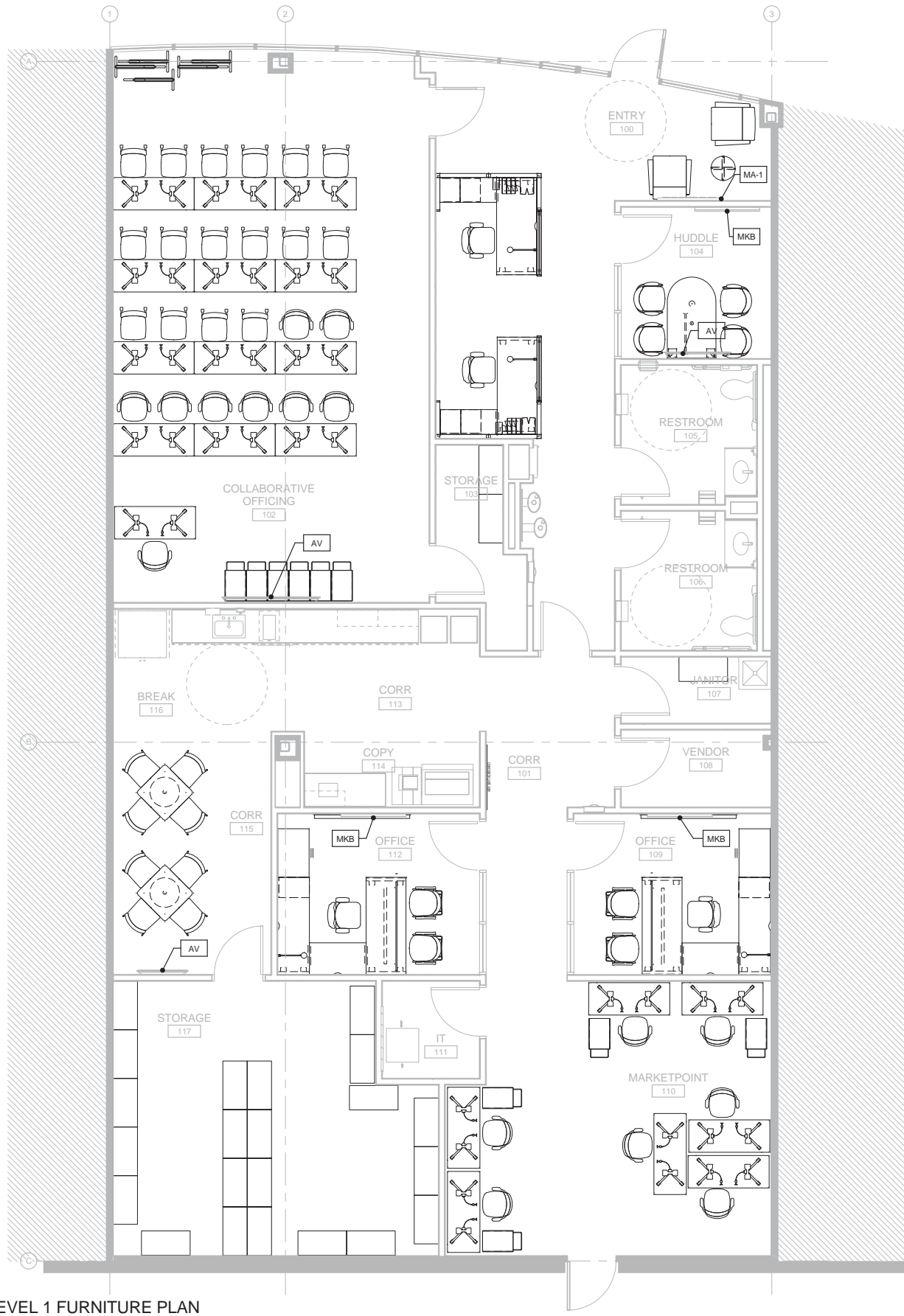
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LEVEL 1 FINISH PLAN

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A221

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GENERAL FURNITURE NOTES

1. ALL SYSTEMS, OFFICE, & ANCILARY FURNITURE SHOWN FOR REFERENCE ONLY.
2. GC TO COORDINATE POWER & DATA REQUIREMENTS FOR ALL SCHEDULED EQUIPMENT. FINAL LOCATION OF FLOOR CORE TO BE VERIFIED WITH FURNITURE VENDOR PRIOR TO DRILLING.
3. GC TO VERIFY WITH PROJECT MANAGER THE FULL EXTENT AND SCOPING OF ITEMS NOTED PRIOR TO ORDERING.

FFE SCHEDULE				
TAG	QTY	Type	MANUF.	MODEL
AED	1	Multi Function Printer	Humana DSI	N/A
AP-2	1	Defibrillator		
AP-2	1	Refrigerator - Side X Side	GE	GSHS6HGDSS
AV	2			
AV	1	46" LCD		
EQ-3	2	Shredder Bin	--	20"x20"
FEC	2	FEC Semi Recessed	N/A	N/A
MA-1	1	Standard Unit		
MA-2	1	Soap Dispenser BRK RM Wall Mounted	American Specialties	#0361
MA-3	2	Soap Dispenser	Gojo	2799-12eu00 / 2762-06
MA-4	2	Coat Hook	Peter Pepper	2041 Alum
MKB	3	Marker Board 4'-0"	Steelcase	N/A
RA-2	2	Grab Bar 42"	Bobrick	B-6806-42
RA-3	2	Grab Bar 36"	Bobrick	B-6806-36
RA-4	3	Toilet Tissue & Seat Cover Dispen.	Bobrick	B-3474
RA-6	2	Sanitary Napkin Vending	Bobrick	B-47064
RA-7	2	Mirror w Metal Frame	Bobrick	B-165 2436
RA-8	2	Paper Towel & Trash	Bobrick	B-3974
RA-12	2	18"		
AP-1	1	Coffee Maker 2	SODEXO	ITEM CODE #260
AP-4	1	Microwave 2	GE	JEB1860SM
MA-1	1	Towel Dispenser (BRK RM) - Surface Mounted	BOBRICK	B-4262
EQ-2	1	Postage Meter - Countertop	Humana DSI	N/A
RA-1	2	Dyson Airblade	Dyson	AB14
RA-5	2	Sanitary Napkin Disposal	Bobrick	B-270
Grand total: 42				



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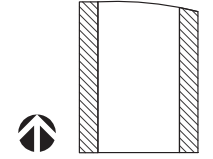


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Sheet Title:

**LEVEL 1 FURNITURE
 PLAN**

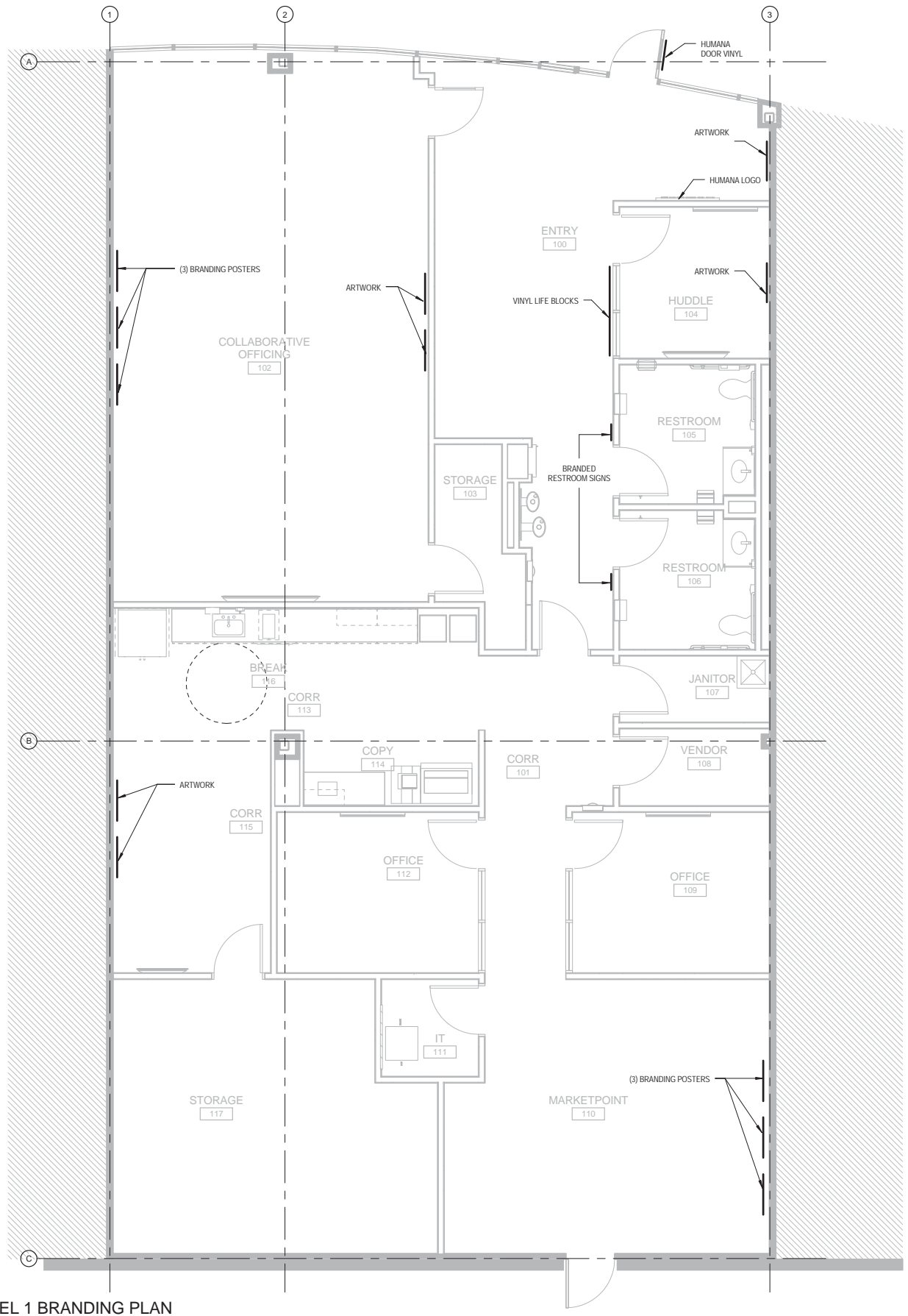
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A231

KEYED NOTES

NOT FOR CONSTRUCTION

1 LEVEL 1 FURNITURE PLAN
 1/4" = 1'-0"



GENERAL BRANDING NOTES

1. LOCATIONS ARE FOR REFERENCE ONLY. GC TO COORDINATE FINAL LOCATION WITH BRANDING VENDOR.
2. ALL BRANDING ITEMS TO BE PROVIDED BY AND INSTALLED BY BRANDING VENDOR UON.
3. ALL DEVICES INCLUDING BUT NOT LIMITED TO SWITCHES, STROBES, TEMPERATURE CONTROLS, SECURITY, AND AV CONTROLS TO COORDINATE WITH SPECIFIED BRANDING LOCATIONS.



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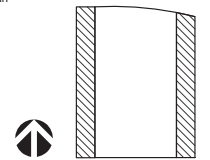


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Sheet Title:

**LEVEL 1 BRANDING
 PLAN**

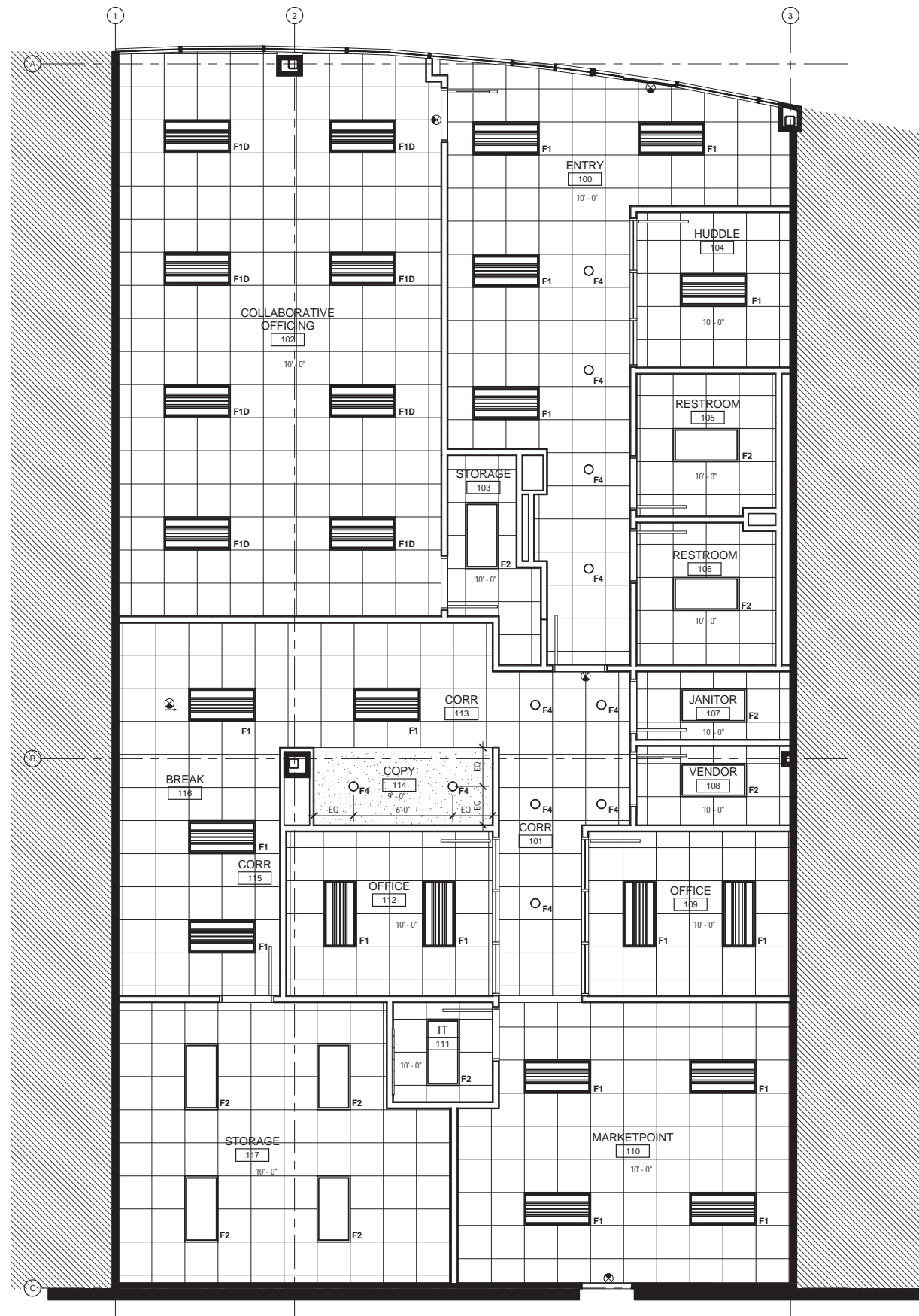
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A241

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1 LEVEL 1 BRANDING PLAN
 1/4" = 1'-0"

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1 LEVEL 1 REFLECTED CEILING PLAN
1/4" = 1'-0"

GENERAL RCP NOTES

- REFLECTED CEILING PLANS INDICATE:
 - GENERAL TYPE AND SPECIFIC LOCATION OF LIGHT FIXTURES OF SIGNAL & EQUIPMENT DEVICES.
- ELECTRICAL ENGINEERING DRAWINGS INDICATE:
 - CIRCUITING AND WIRING OF LIGHT FIXTURES, AND SWITCHES.
 - LIFE SAFETY EQUIPMENT.
 - LOCATION OF REQUIRED EMERGENCY LIGHT FIXTURES.
 - LIGHT FIXTURE SPECIFICATIONS.
- MECHANICAL ENGINEERING DRAWINGS INDICATE:
 - DUCTS, AIR MOVEMENT REQUIREMENTS, AND SIZES OF GRILLES AND REGISTERS.
- DESIGN BUILD FIRE PROTECTION DRAWINGS INDICATE:
 - LAYOUT, LOCATION, AND SIZE OF SPRINKLER LINES AND HEADS.
 - PRESSURE REQUIREMENTS.
 - SPRINKLER HEAD SPECIFICATIONS.
 - LOCATION OF FIRE PROTECTION RISERS AND WALL HYDRANTS.
- ALL STROBES SHALL BE LOCATED @ +80" AFF WHERE LOCATED ON PARTITION. SEE ENGINEER'S DRAWINGS FOR LOCATIONS AND SPECIFICATIONS.
- ALL STROBES TO ALIGN VERTICALLY WITH RECEPTACLE BELOW WHERE OCCURS.
- ARCHITECT TO REVIEW ALL LIGHT/CEILING FIXTURE LOCATIONS PRIOR TO INSTALLATION.
- INSTALL THE SUSPENDED CEILING GRID TO BE LEVEL WITHIN A TOLERANCE OF 1/8" IN 12'-0". ANCHOR AS REQUIRED.
- ARCHITECT TO REVIEW LOCATIONS OF ALL SLOT DIFFUSERS, SPRINKLERS, SMOKE DETECTORS, ETC. IN GYP BD CEILINGS AND RETURN WITHIN 5 BUSINESS DAYS OF RECEIPT.
- WHERE ACOUSTICAL PANELS ARE REQUIRED TO BE CUT, CUT THE PANELS TO MAINTAIN A SHARP AND NEAT EDGE.
- INSTALL NEW SPRINKLER HEADS AND LIGHT FIXTURES AT THE CENTER OF THE ACOUSTICAL CEILING PANEL UNON.
- MEP & FP TO COMPLY WITH ALL APPLICABLE CODES AND SUBMIT SHOP DRAWINGS FOR ARCHITECT REVIEW OF ALL LOCATIONS OF DEVICES PRIOR TO INSTALLATION AND RETURN WITHIN 5 BUSINESS DAYS OF RECEIPT.
- RELOCATE EXISTING SPRINKLER HEADS IN ACCORDANCE WITH APPLICABLE CODES AS REQUIRED TO COORDINATE WITH NEW CONSTRUCTION.
- INSTALL SUSPENDED CEILING GRID TO BE CENTERED IN ROOM, UNON.
- COORDINATE CEILING MOUNTED SPEAKERS AND AV DEVICES WITH AV VENDOR.
- ALL LIGHT FIXTURES ARE TO BE OWNER FURNISHED AND CONTRACTOR INSTALLED. ALL FIXTURES ARE TO BE PHILIPS SPECIFICATION, AND ARE TO BE DISTRIBUTED BY HUMANA CONTRACTED PARTNER, ACCUSERV. REFERENCE RESPONSIBILITY MATRIX FOR ADDITIONAL INFORMATION.

KEYED NOTES



Project
Humana Memphis, TN
MarketPoint
6515 Poplar Avenue Suites 107&108
Memphis, TN 38119

Prepared for
Humana

Contract No: 13.01656.00



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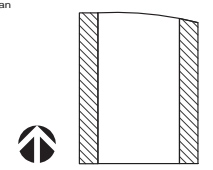


Kerr-Greulich Engineers, Inc.

MEP Engineer

1534 Ormsby Station Ct.
Louisville KY 40224
502.426.9457

Key Plan



Professional Seals

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1		2014.03.11

No.	Revision Description	YYYY-MM-DD
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Drawn by	Author	Reviewed by	Checker

Project No 13.01656.00

Sheet Title:

LEVEL 1 REFLECTED CEILING PLAN

Original drawing is 36 x 24. Do not scale contents of this drawing.
Sheet Number

A301

RCP LEGEND

- 2' X 2' GRID AND TILE SYSTEM - SEE SPECIFICATIONS AND FINISH LEGEND ON SHEET A221
- GYPSUM BOARD CEILING AS INDICATED ON PLAN. SEE FINISH PLAN FOR PAINT SPECS.
- X' - X' AFF FINISHED CEILING HEIGHT AS INDICATED ON PLAN UNON
- CEILING MOUNTED EXIT SIGN - PHILIPS - CALIBER SERIES OR EQUAL
- ZONE 1 LIGHT SWITCH ZONING
- CEILING MOUNTED PROJECTOR
- 2x4' RECESSED FLUORESCENT LIGHT FIXTURE LIGHTOLIER - COFFAIRE II STATIC 2 LAMP 32W T8
- 2x4' RECESSED FLUORESCENT LIGHT FIXTURE LIGHTOLIER - COFFAIRE II STATIC 2 LAMP 32W T8 DIMMABLE BALLAST
- 2x4' RECESSED FLUORESCENT LIGHT FIXTURE LIGHTOLIER / DAY-BRITE - T8 2 LAMP 32W, T8
- 4' SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE SEALATRON IP LOW PROFILE 2 LAMP T8, 32W
- 6" RECESSED CFL DOWN LIGHT LIGHTOLIER - 803TCLW 32W 4-PIN
- 6" RECESSED CFL DOWN LIGHT - DIMMABLE LIGHTOLIER - 803TCLW_CU3 32W 4-PIN
- 4" RECESSED CFL WALLWASH LIGHTOLIER - 808TCLW 32W 4-PIN
- 4" RECESSED CFL WALLWASH - DIMMABLE LIGHTOLIER - 808TCLW_CU3 32W 4-PIN
- DECORATIVE PENDANT LIGHTOLIER - VETRO FA - PS265A/SK01 BOTTOM OF FIXTURE AT 80" AFF

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3/11/2014 11:32:25 PM



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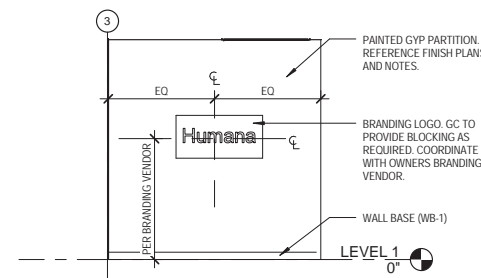


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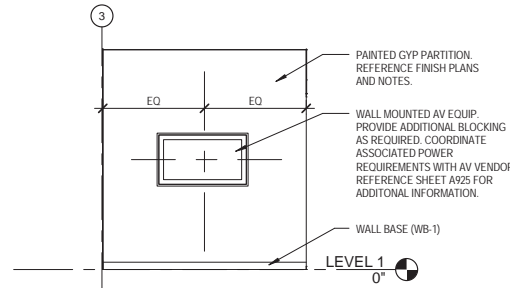
MEP Engineer

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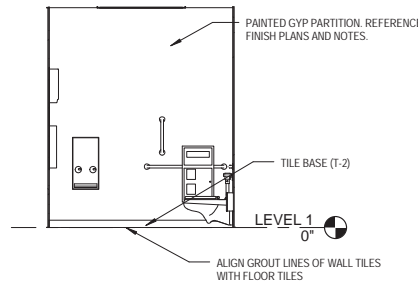
Key Plan



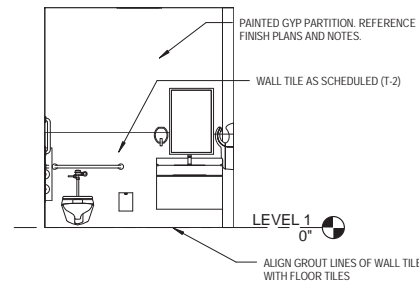
1 ELEVATION AT ENTRY
1/4" = 1'-0"



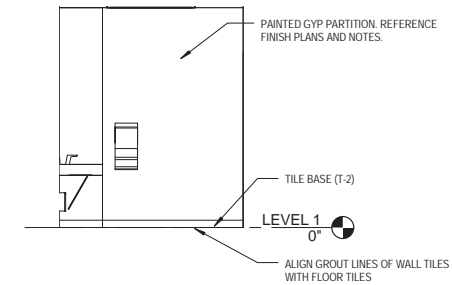
2 ELEVATION @ HUDDLE
1/4" = 1'-0"



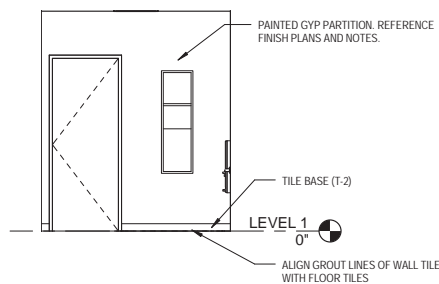
3 RESTROOM ELEVATION 1
1/4" = 1'-0"



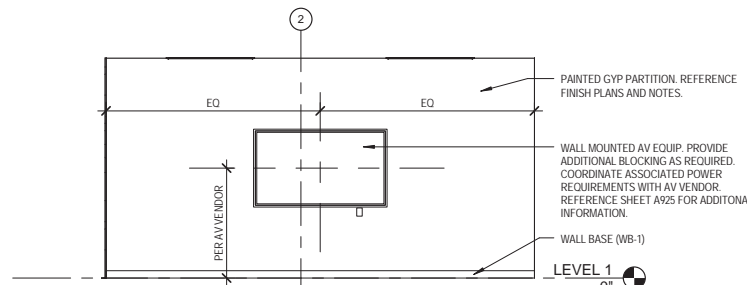
4 RESTROOM ELEVATION 2
1/4" = 1'-0"



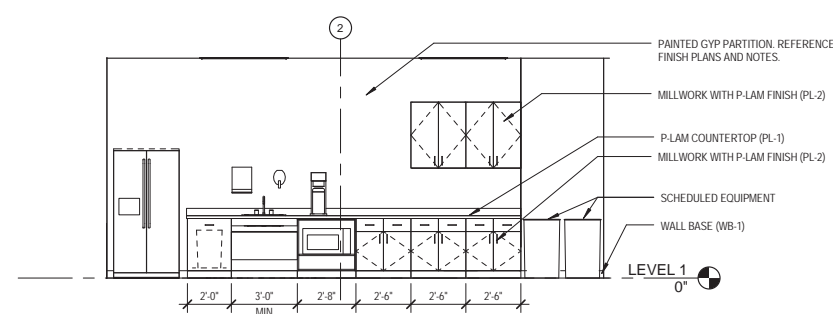
5 RESTROOM ELEVATION 3
1/4" = 1'-0"



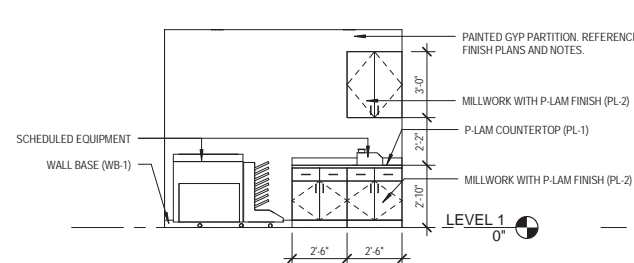
6 RESTROOM ELEVATION 4
1/4" = 1'-0"



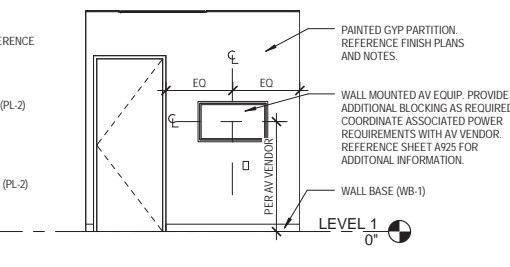
9 ELEVATION AT COLLABORATION ROOM - AV
1/4" = 1'-0"



7 ELEVATION @ BREAK ROOM
1/4" = 1'-0"



8 ELEVATION @ COPY
1/4" = 1'-0"



10 ELEVATION @ BREAK ROOM - AV
1/4" = 1'-0"

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Sheet Title:

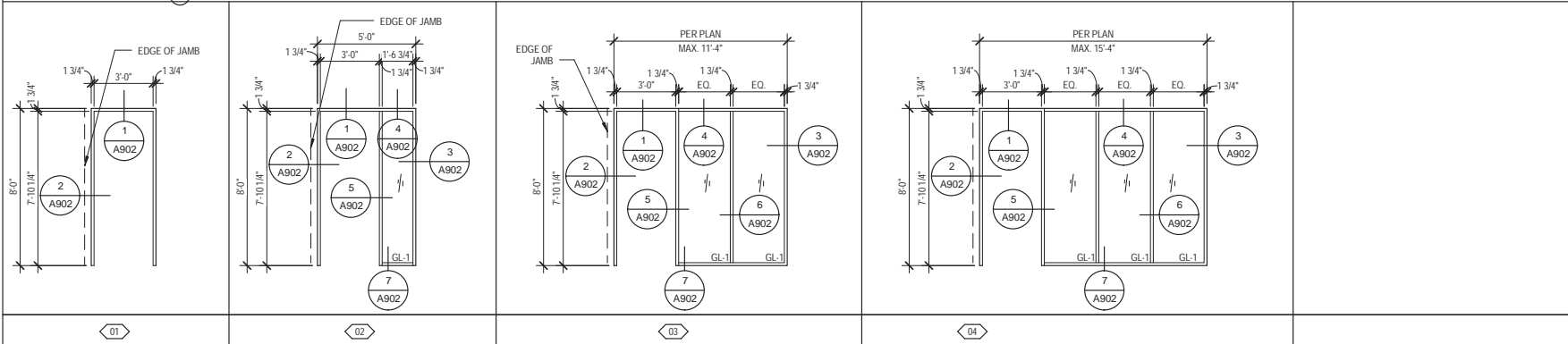
INTERIOR
ELEVATIONS

Original drawing is 36 x 24 Do not scale contents of this drawing
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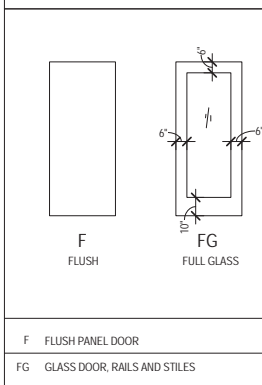
NOT FOR CONSTRUCTION

A601

FRAME TYPES



DOOR TYPES



GENERAL NOTES

1. ALL WOOD ON DOORS TO BE WD-1 UON. REF FINISH LEGEND ON SHEET A221 FOR ADDITIONAL INFORMATION.
2. ALL GLASS IN DOORS TO BE GL-1 UON. REF FINISH LEGEND ON SHEET A221 FOR ADDITIONAL INFORMATION.
3. DOOR AND FRAME ASSEMBLIES SHALL COMPLY WITH ALL GENERAL NOTES & LEGENDS, DOOR AND FRAME DETAILS, COMPONENTS INDICATED BY THE "DOOR FRAME SCHEDULE" AND PROJECT REQUIREMENTS AS SPECIFIED.
4. DOOR TYPE SYMBOLS REFERENCE "DOOR TYPE DIAGRAMS" INDICATING LAYOUT OF THE DOOR ASSEMBLY, LOCATION AND SIZE OF GLASS AND LOUVER PANELS, AND DIMENSIONS OF RAILS AND STILES.
5. PROVIDE FLOOR MOUNTED DOOR STOPS UON.
6. GL-1 = 1/4" TEMPERED, GL-2 = 1/2" TEMPERED.
7. GC TO PREP ALL DOORS AND FRAMES AS REQUIRED FOR ELECTRONIC HARDWARE.
8. GC TO VERIFY CARD READER LOCATIONS WITH TENANT SECURITY.

DOOR SCHEDULE

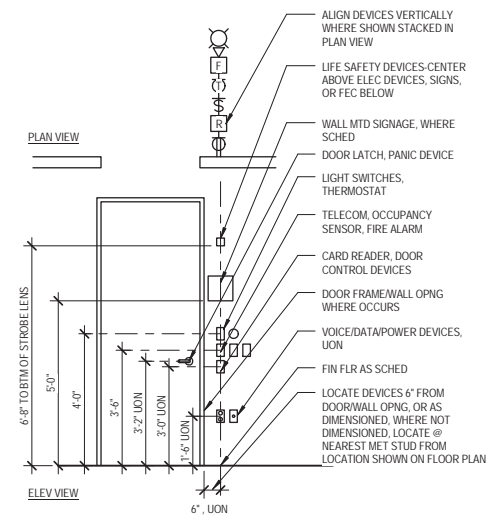
DOOR #	RM. NAME	DOOR			GLASS TYPE	FRAME					FIRE RATING	HARDWARE GROUP	COMMENTS	
		TYPE	WIDTH 1	HEIGHT		FRAME TYPE	MATRL	FRAME HEAD	FRAME JAMB	FRAME MULLION				FRAME SILL
100	ENTRY	FG	3'-0"	7'-0"										EXISTING. PREP FOR CARD READER
102	COLLABORATIVE OFFICING	FG	3'-0"	7'-10 1/4"	WD-1	GL-1								CARD READER
103	STORAGE	F	3'-0"	7'-10 1/4"	WD-1	N/A								
104	Huddle	F	3'-0"	7'-10 1/4"	WD-1	N/A	02	AL	9/A902	1/A902	4/A902	6/A902		
105	RESTROOM	F	3'-0"	7'-10 1/4"	WD-1	N/A								
106	RESTROOM	F	3'-0"	7'-10 1/4"	WD-1	N/A								
107	JANITOR	F	3'-0"	7'-10 1/4"	WD-1	N/A								
108	VENDOR	F	3'-0"	7'-10 1/4"	WD-1	N/A								CARD READER
109	OFFICE	F	3'-0"	7'-10 1/4"	WD-1	N/A	02	AL	9/A902	1/A902	4/A902	6/A902		
110	MARKETPOINT	F	3'-0"	9'-0"										EXISTING. PREP FOR CARD READER
111	IT	F	3'-0"	7'-10 1/4"	WD-1	N/A						20 MIN		CARD READER
112	OFFICE	F	3'-0"	7'-10 1/4"	WD-1	N/A	02	AL	9/A902	1/A902	4/A902	6/A902		
113	CORR	F	3'-0"	7'-10 1/4"	WD-1	N/A								
114	STORAGE	F	3'-0"	7'-10 1/4"	WD-1	N/A								

HARDWARE SPECIFICATIONS

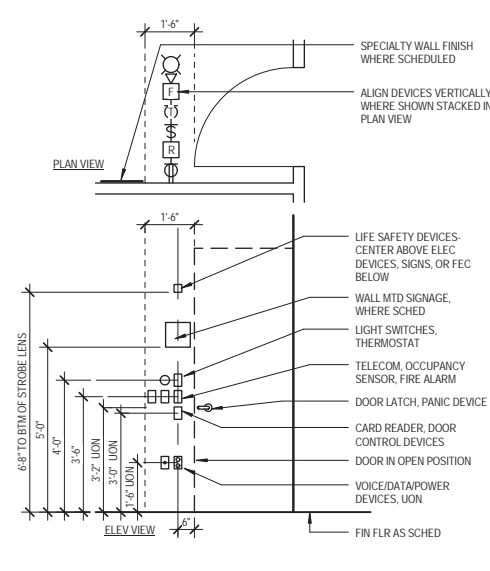
ITEM	MANUF.	MODEL	FUNCTION	FINISH	REMARKS
LEVER HARDWARE TYP.	SCHLAGE	AL SERIES - JUPITER	N/A	626 SATIN CHROMIUM	
LEVER HARDWARE (IT RM)	SCHLAGE	ND SERIES - ATHENS	N/A	626 SATIN CHROMIUM	
PASSAGE LATCHSET	SCHLAGE	AL SERIES - JUPITER	AL10S	626 SATIN CHROMIUM	
OFFICE LOCKSET	SCHLAGE	AL SERIES - JUPITER	AL50PD	626 SATIN CHROMIUM	
CLASSROOM LOCKSET	SCHLAGE	AL SERIES - JUPITER	AL70PD	626 SATIN CHROMIUM	
STOREROOM LOCKSET	SCHLAGE	AL SERIES - JUPITER	AL80PD	626 SATIN CHROMIUM	
PRIVACY LOCKSET	SCHLAGE	AL SERIES - JUPITER	AL40S	626 SATIN CHROMIUM	"OCCUPIED" INDICATOR
PIVOTS	RIXSON	340	N/A		CONCEALED NON-HANDED
HINGE	MCKINNEY	TB2714	N/A	SATIN STAINLESS	3@-7 4@-7
ELECTRIC STRIKE	HES	5200 SERIES (800 @ 2HR)		630 SATIN STAINLESS	
CLOSER	LCN	4040 SERIES	N/A		(ADA, NO THROUGH BOLTS)
DOOR STOP	IVES	411 / 434	N/A	N/A	FLOOR MOUNTED
DOOR SILENCERS	IVES	SR66		GRAY	

HARDWARE GROUPS

GROUP	HARDWARE	REMARKS
GROUP 1	• LEVER • HINGES • PASSAGE LATCHSET • DOOR STOP	TYP. OFFICE TYP. CONF. TYP. Huddle TYP. BREAK
GROUP 1.1	• LEVER • HINGES • PASSAGE LATCHSET • CLOSER • DOOR STOP	TRAINING
GROUP 2	• LEVER • HINGES • PRIVACY LOCKSET • DOOR STOP	MOTHERS RM/ TOILET RM/ WELLNESS
GROUP 3	• LEVER • HINGES • STOREROOM LOCKSET • CLOSER • DOOR STOP	STORAGE
GROUP 4	• LEVER • PIANO HINGES • STOREROOM LOCKSET • ELECTRIC STRIKE • CARD READER • CLOSER • DOOR STOP	IDF ROOM
GROUP 4.1	• LEVER • PIANO HINGES • STOREROOM LOCKSET • ELECTRIC STRIKE • CARD READER • CLOSER • DROP SEAL (90MIN) • DOOR STOP	MDF ROOM
GROUP 5	• LEVER • HINGES • STOREROOM LOCKSET • ELECTRIC STRIKE • CLOSER • DOOR STOP	VENDOR ROOM
GROUP 6	• LEVER • HINGES • STOREROOM LOCKSET • ELECTRIC STRIKE • CARD READER • CLOSER • DOOR STOP	SUITE ACCESS CONTROL



1 GENERAL DEVICE ALIGNMENT DIAGRAM
3/8" = 1'-0"



2 GEN DEVICE ALIGNMENT DIAGRAM - DOOR OPEN
3/8" = 1'-0"



Project
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6515 Poplar Avenue Suites 107&108
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Prepared for
Humana

Contract No: 13.01656.00



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Key Plan

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No.	Revision Description	YYYY-MM-DD
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Sheet Title:

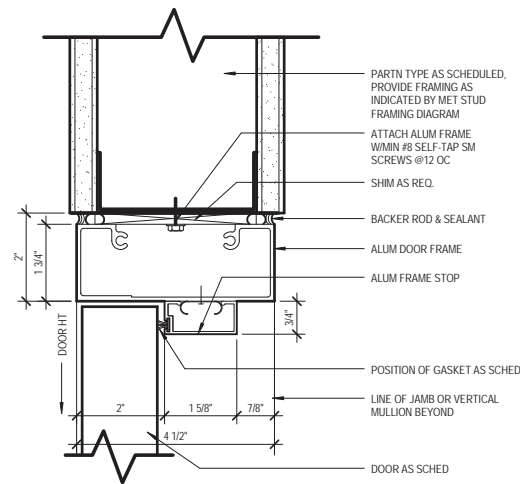
DOOR, FRAME TYPES, SCHED

Original drawing is 36 x 24 Do not scale contents of this drawing

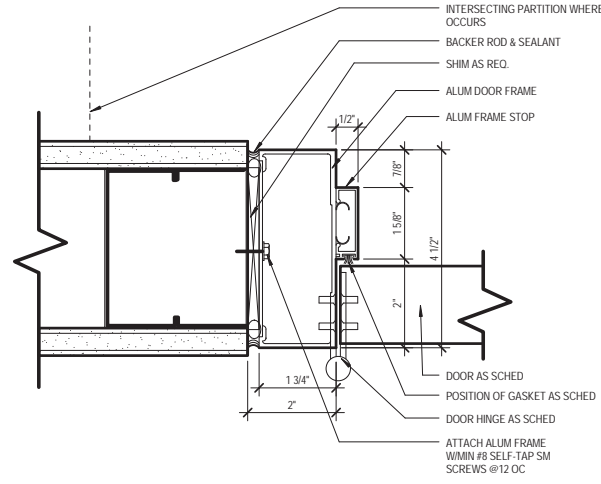
Sheet Number

A901

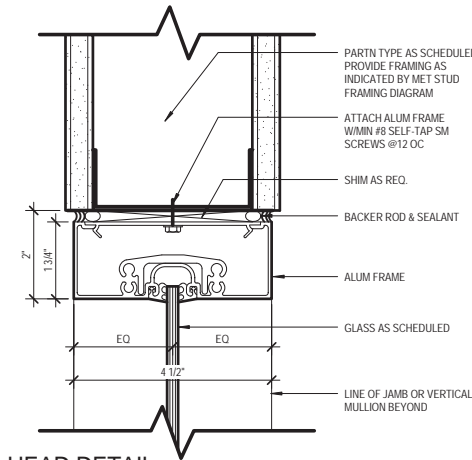
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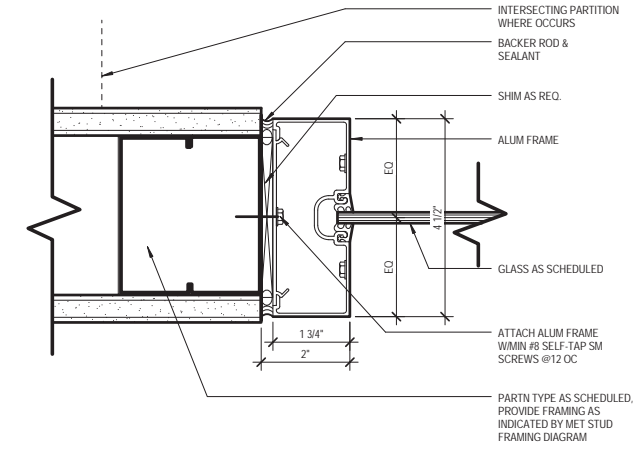
1 HEAD DETAIL
6" = 1'-0"



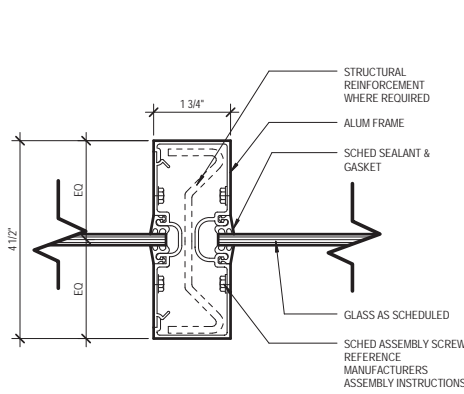
2 JAMB DETAIL
6" = 1'-0"



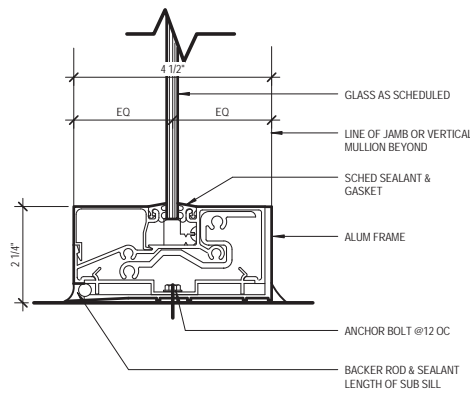
4 HEAD DETAIL
6" = 1'-0"



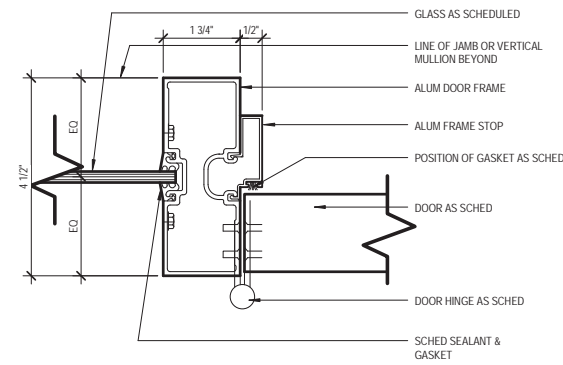
3 JAMB DETAIL
6" = 1'-0"



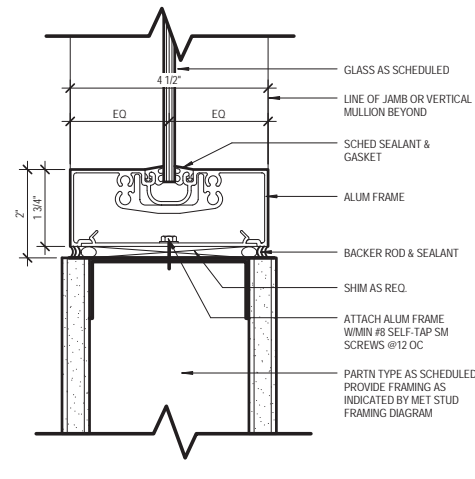
6 MULLION DETAIL
6" = 1'-0"



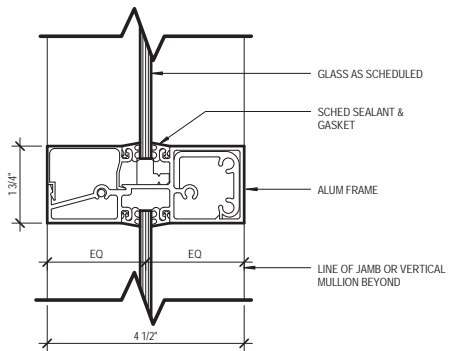
7 SILL DETAIL
6" = 1'-0"



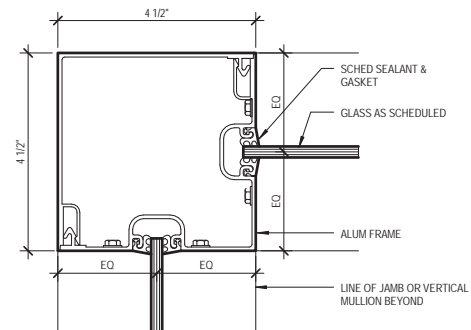
5 JAMB DETAIL
6" = 1'-0"



8 SILL DETAIL
6" = 1'-0"



10 MULLION DETAIL
6" = 1'-0"



11 ALUM FRAME - JAMB DETAIL AT CORNER
6" = 1'-0"



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Sheet Title:

DOOR & FRAME
DETAILS

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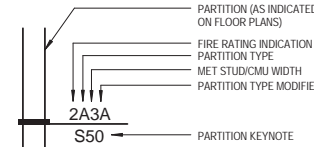
**PARTITION TYPES &
GENERAL NOTES**

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Sheet Number

A910

PARTITION TYPE GENERAL NOTES

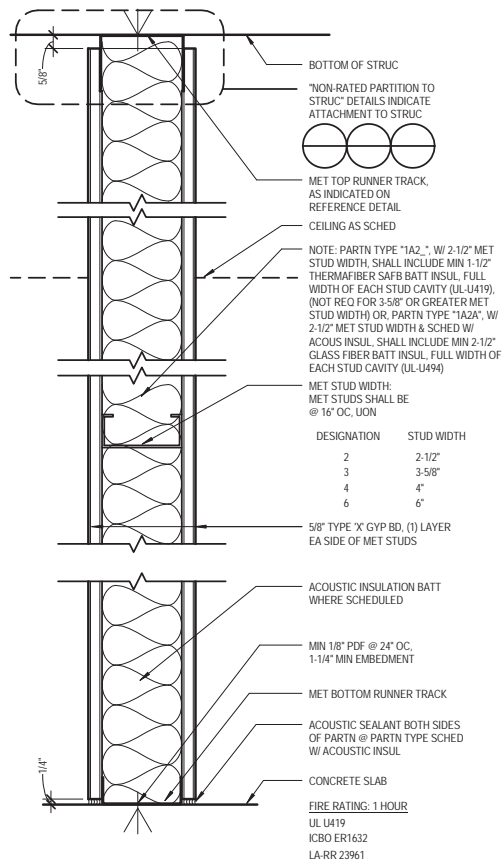
THE "PARTN TYPE SYMBOL" ILLUSTRATED BELOW REPRESENTS THE COMPLETE EXTENT OF ALL PARTNS INDICATED BY THE SYMBOL ON THE FLOOR PLANS, AND OTHER DRAWINGS IN THE PROJECT DOCUMENTS. REFER TO PARTN TYPE DETAILS INDICATED BY THE "PARTN TYPE" CHARACTER ON THE TAG, FOR EXAMPLE: DETAIL "TYPE A". REFER TO THE FIRE RATING LEGEND FOR THE FIRE-RESISTANCE CLASSIFICATION NOTED BY THE "FIRE RATING INDICATION" ON THE TAG, FOR EXAMPLE: "1" = 60 MIN FIRE-RESISTANCE RATED ASSEMBLY. REFER TO METAL STUD SIZE OR CMU NOM WIDTH AS INDICATED BY THE "METAL STUD/CMU WIDTH" CHARACTER ON THE TAG, AS SHOWN ON PARTN TYPE DETAILS, FOR EXAMPLE: "3" = 3-5/8" METAL STUDS. REFER TO THE "PARTN TYPE MODIFIER" NOTES BELOW, WHICH APPLY TO EACH PARTN WHERE MODIFIER CHARACTER(S) ARE SHOWN ON THE TAG. REFER TO THE "PARTN KEYNOTES" AS INDICATED, WHICH APPLY TO EACH PARTN WHERE KEYNOTE CHARACTER(S) ARE SHOWN GENERAL NOTES - IBC SEISMIC CATEGORY A-C. ALL METAL STUD PARTN TYPES SHALL COMPLY WITH PARTN TYPE GENERAL NOTES, AND THE "METAL STUD SPAN SCHEDULE" INDICATING MIN METAL STUD WIDTH, SPACING, GAUGE, AND LIMITING VERT SPAN. ALL CMU PARTN TYPES SHALL COMPLY WITH PARTN TYPE GENERAL NOTES, AND REINFORCING AND LIMITING LINTEL SPANS. GENERAL NOTES - IBC SEISMIC CATEGORY D-F: ALL METAL STUD PARTN TYPES SHALL COMPLY W/ PARTN TYPE GENERAL NOTES, & ALL METAL STUDS SHALL BE MIN 20 GA. UON. ALL CMU PARTN TYPES SHALL COMPLY WITH PARTN TYPE GENERAL NOTES, AND REINFORCING AS INDICATED ON THE STRUCTURAL DRAWINGS, UON. PARTN TYPE TAG:



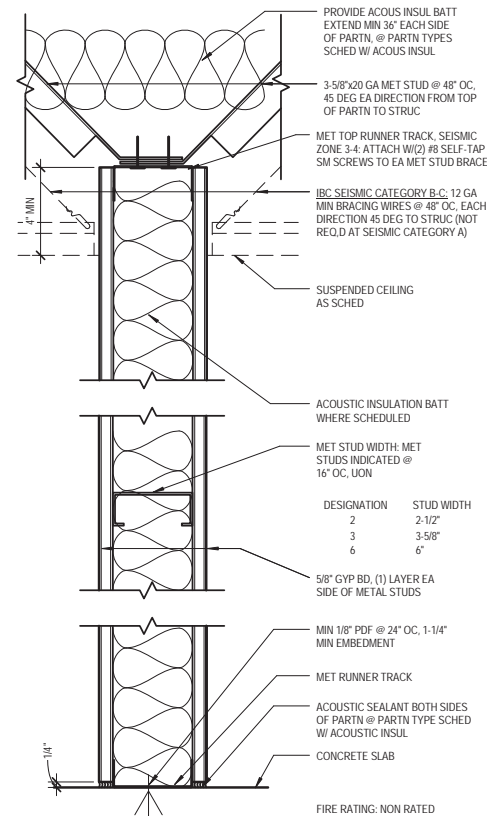
FIRE RATING LEGEND

THE COMPLETE ASSEMBLY OF EACH PARTITION WITH A FIRE RATING INDICATION SYMBOL SHOWN ON THE TAG, SHALL COMPLY WITH ALL REQUIREMENTS OF THE FIRE-RESISTANCE RATING CLASSIFICATION.

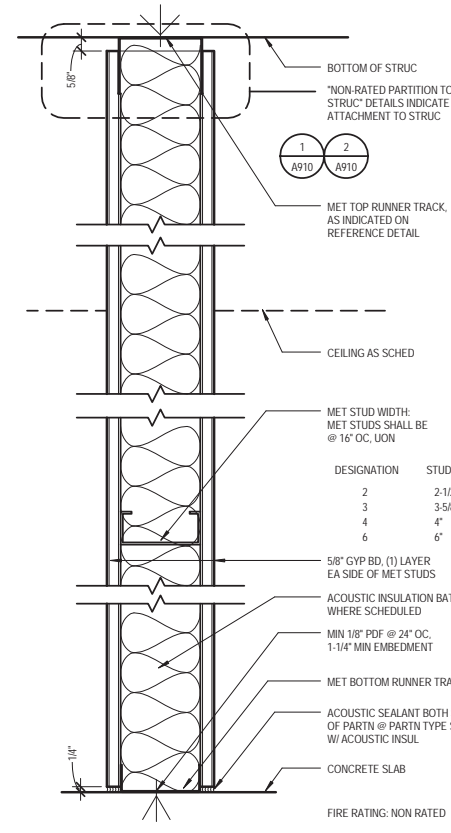
SYMBOL	RATING CLASSIFICATION
-OMITTED-	NON-RATED PARTITION UON
1	60 MIN FIRE-RESISTANCE RATED FIRE PARTITION
1S	60 MIN FIRE-RESISTANCE RATED & SMOKE BARRIER PARTN
2	120 MIN FIRE-RESISTANCE RATED FIRE BARRIER
3	180 MIN FIRE-RESISTANCE RATED FIRE BARRIER
4	240 MIN FIRE-RESISTANCE RATED FIRE BARRIER



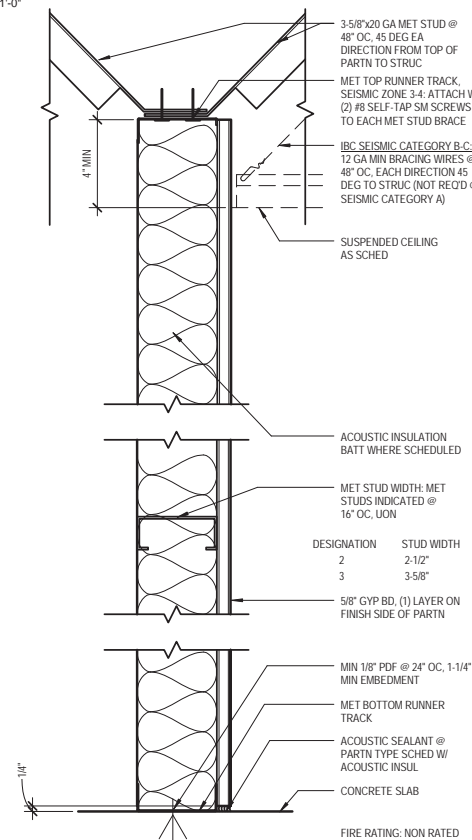
TYPE 1A: FULL HT PARTN, 1 HR RATED
3" = 1'-0"



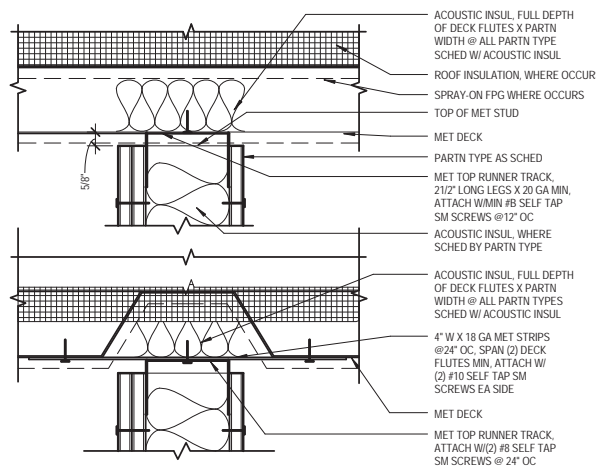
TYPE C: PARTIAL HT PARTN
3" = 1'-0"



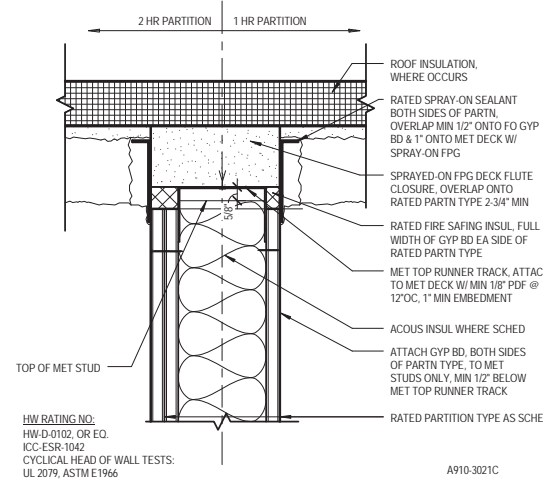
TYPE A: FULL HT PARTN, NON RATED
3" = 1'-0"



TYPE F: PARTIAL HT FURRING
3" = 1'-0"



1 NON-RATED PARTN TO STRUC@MET DECK
3" = 1'-0"

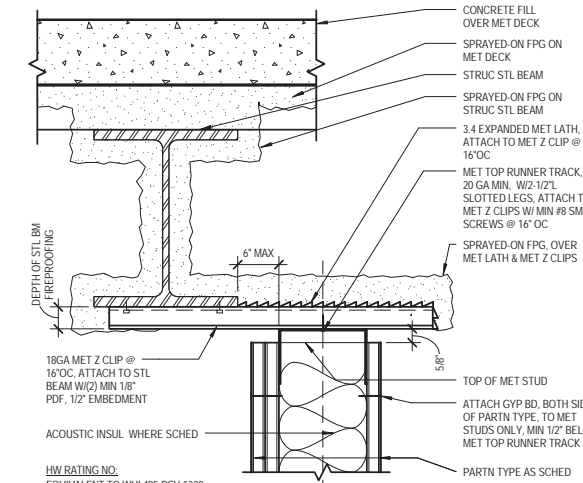


3 RATED PARTN TO STRUC MET DECK ROOF
3" = 1'-0"

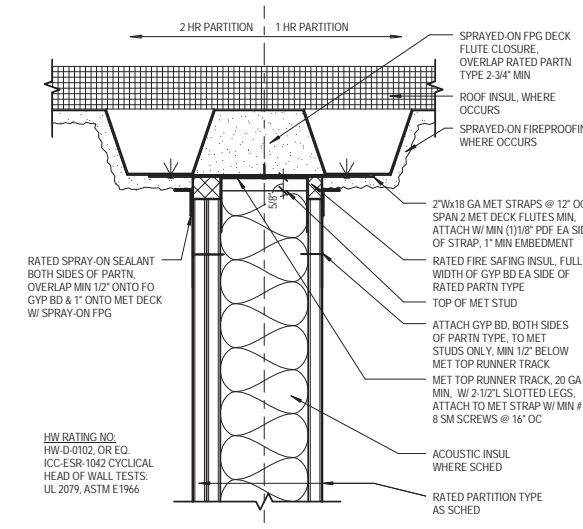
PARTITION TYPE MODIFIERS:

THE FOLLOWING NOTES APPLY TO THE FULL EXTENT OF EACH PARTN, WHERE "PARTN TYPE MODIFIER" CHARACTER(S) ARE SHOWN ON THE TAG.

- PROVIDE ACOUS BATT INSUL FULL DEPTH OF EACH METAL STUD CAVITY
- PROVIDE ACOUS BATT INSUL FULL DEPTH OF EACH METAL STUD CAVITY, AND ACOUS BATT INSUL ABOVE TOP OF PARTN, MIN 3/8" EACH DIRECTION PERPENDICULAR TO PARTN
- PROVIDE (1) LAYER 5/8" WR GYP BD IN PLACE OF THE OUTSIDE LAYER OF GYP BD ON SCHED PARTN TYPE, MOUNT ON EACH FACE OF THE PARTN EXPOSED TO MOISTURE - EXTEND FULL HT OF PARTN UON
- PROVIDE (1) LAYER OF 1/2" CEMENT BD IN PLACE OF THE OUTSIDE LAYER OF GYP BD ON THE SCHED PARTN TYPE, MOUNT ON EACH FACE OF PARTN INDICATED W/ CERAMIC TILE OR OTHER FINISH



2 NON-RATED PARTN TO STRUC@STL BEAM
3" = 1'-0"



4 RATED PARTN TO STRUC MET DECK ROOF
3" = 1'-0"

NOT FOR CONSTRUCTION



No.	Issue Description	YYYY-MM-DD
1	CD PROGRESS SET	2014.03.11

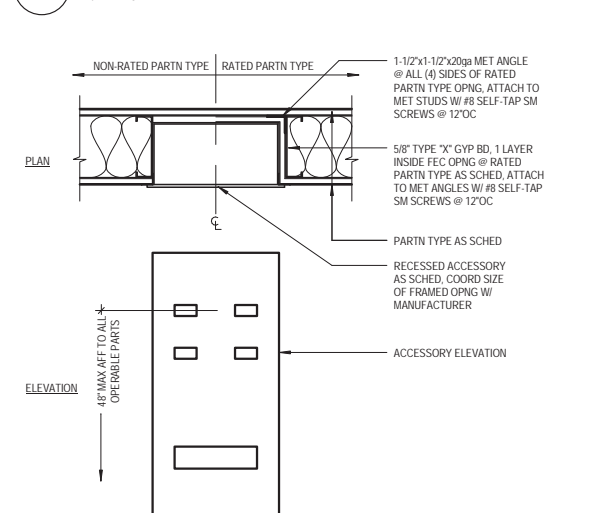
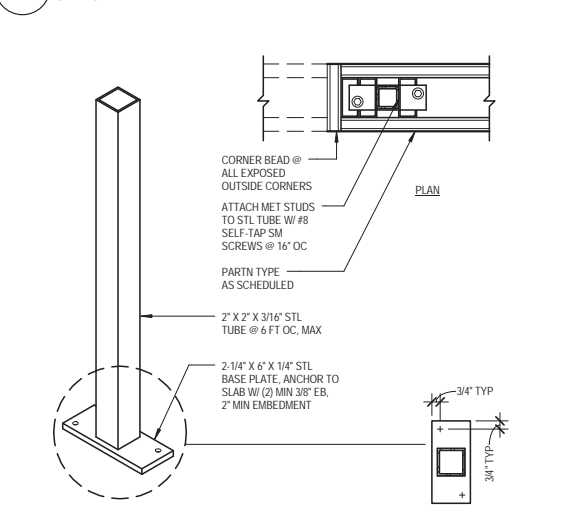
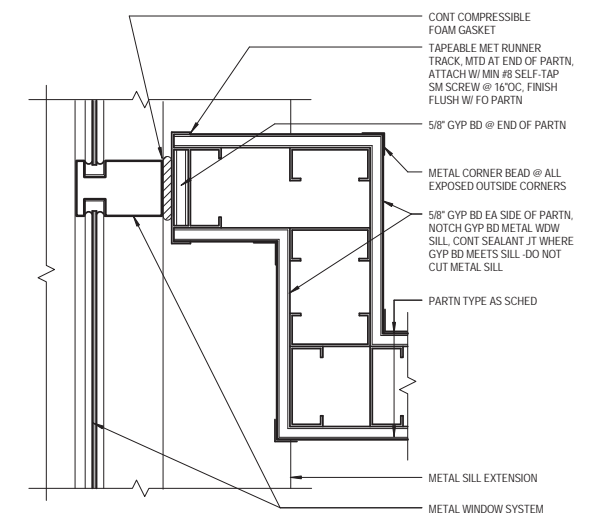
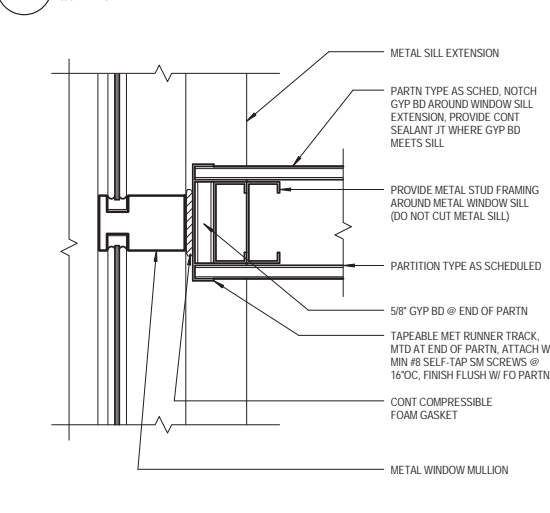
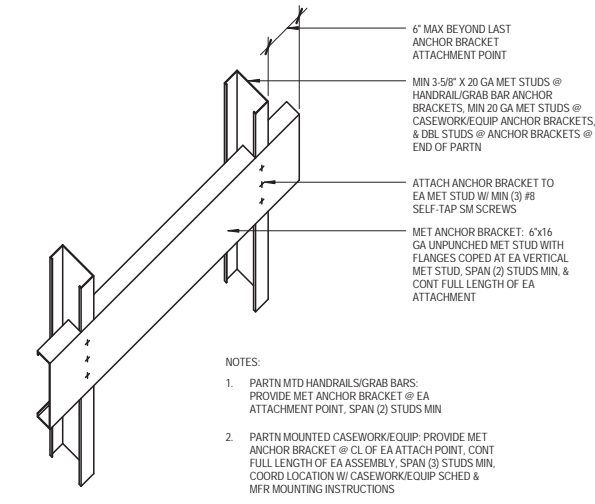
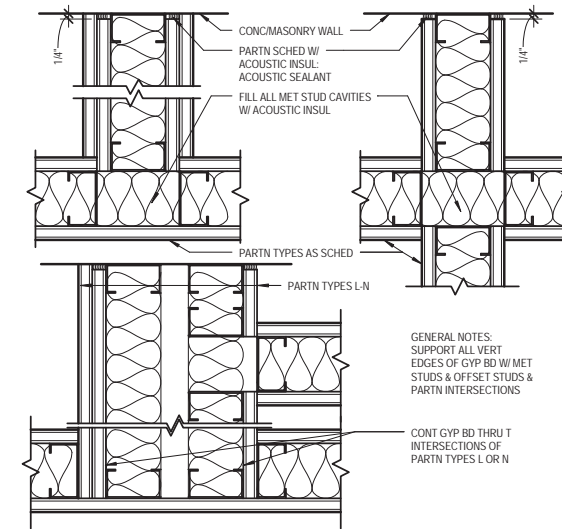
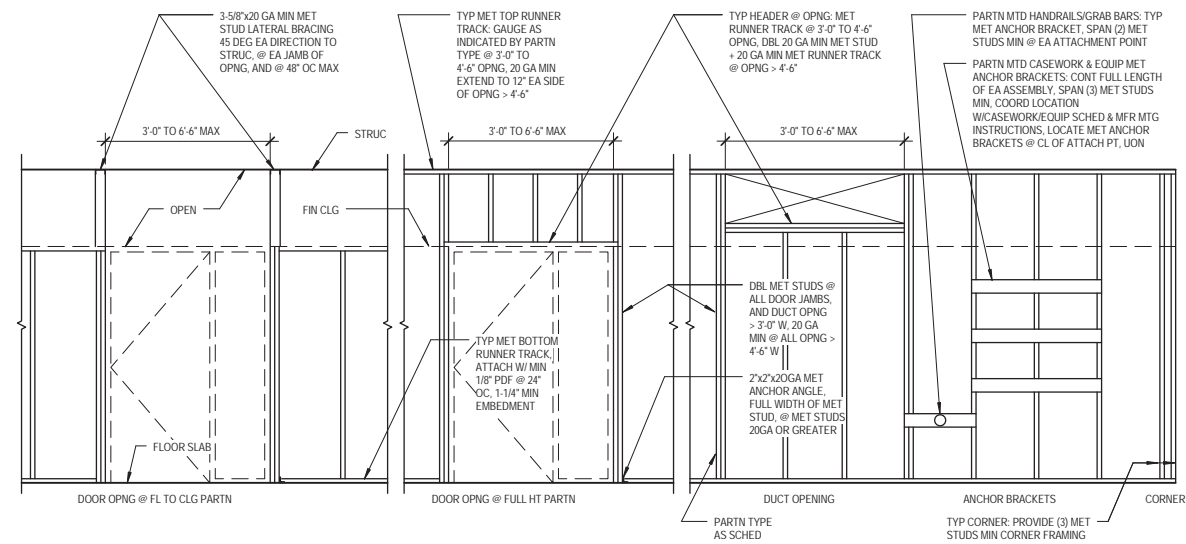
No.	Revision Description	YYYY-MM-DD
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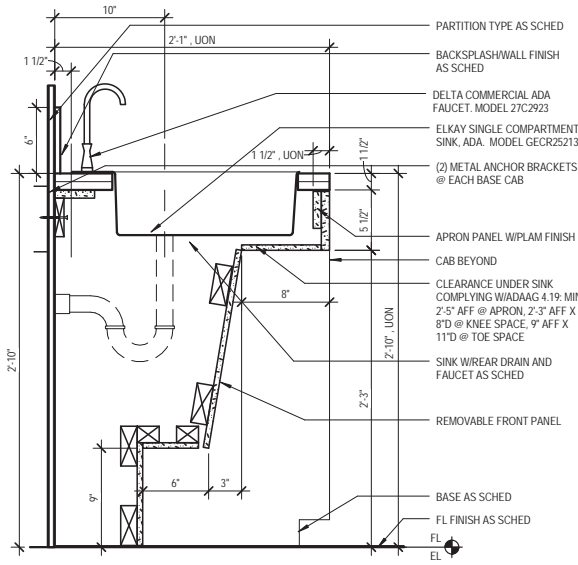
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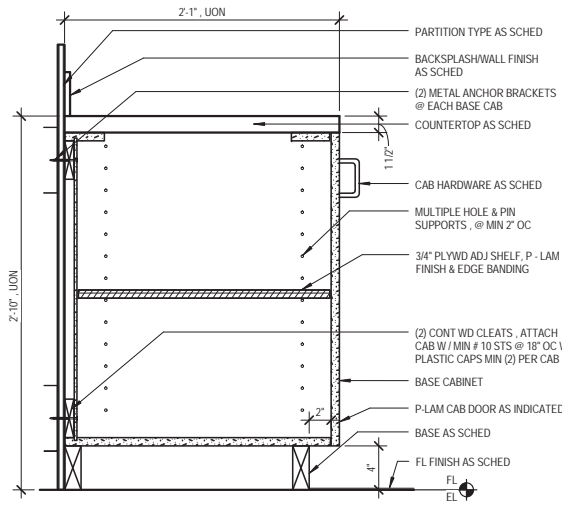
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**PARTITION FRAMING
DETAILS**

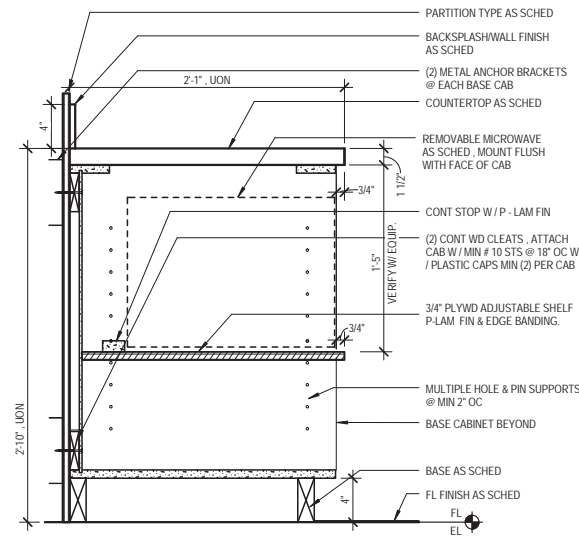




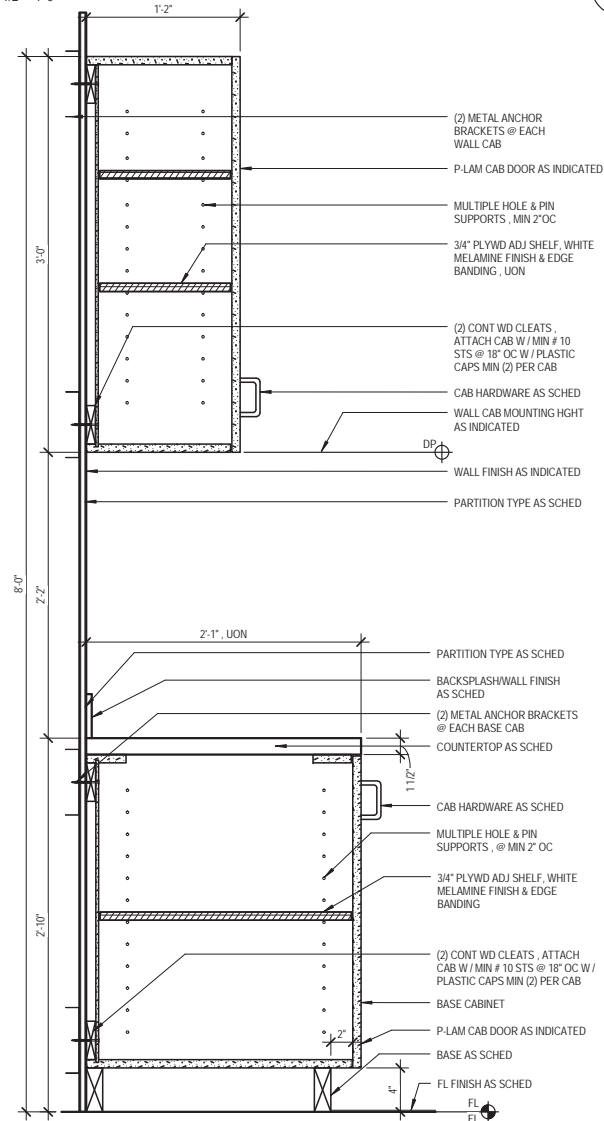
1 BASE CAB ADA
1 1/2" = 1'-0"



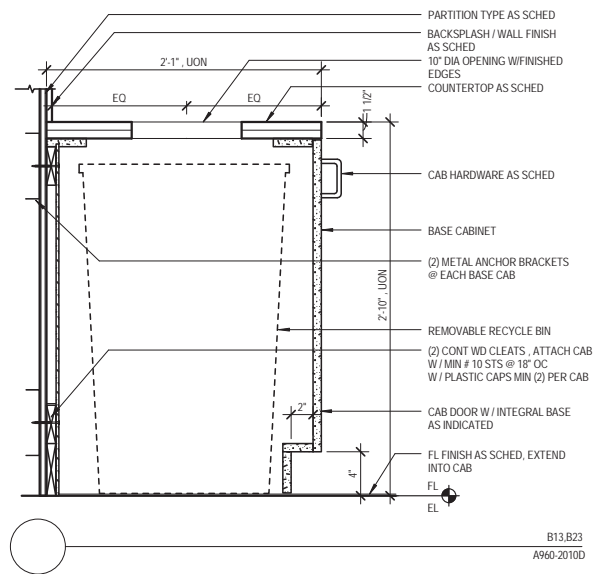
2 BASE CAB DOOR 34
1 1/2" = 1'-0"



3 BASE CAB MICROWAVE
1 1/2" = 1'-0"



4 BASE CAB DOOR 34 WITH UPPER
1 1/2" = 1'-0"



5 BASE CABINET - TRASH CONTAINER DET
1 1/2" = 1'-0"



No.	Issue Description	YYYY-MM-DD
1	CD PROGRESS SET	2014.03.11

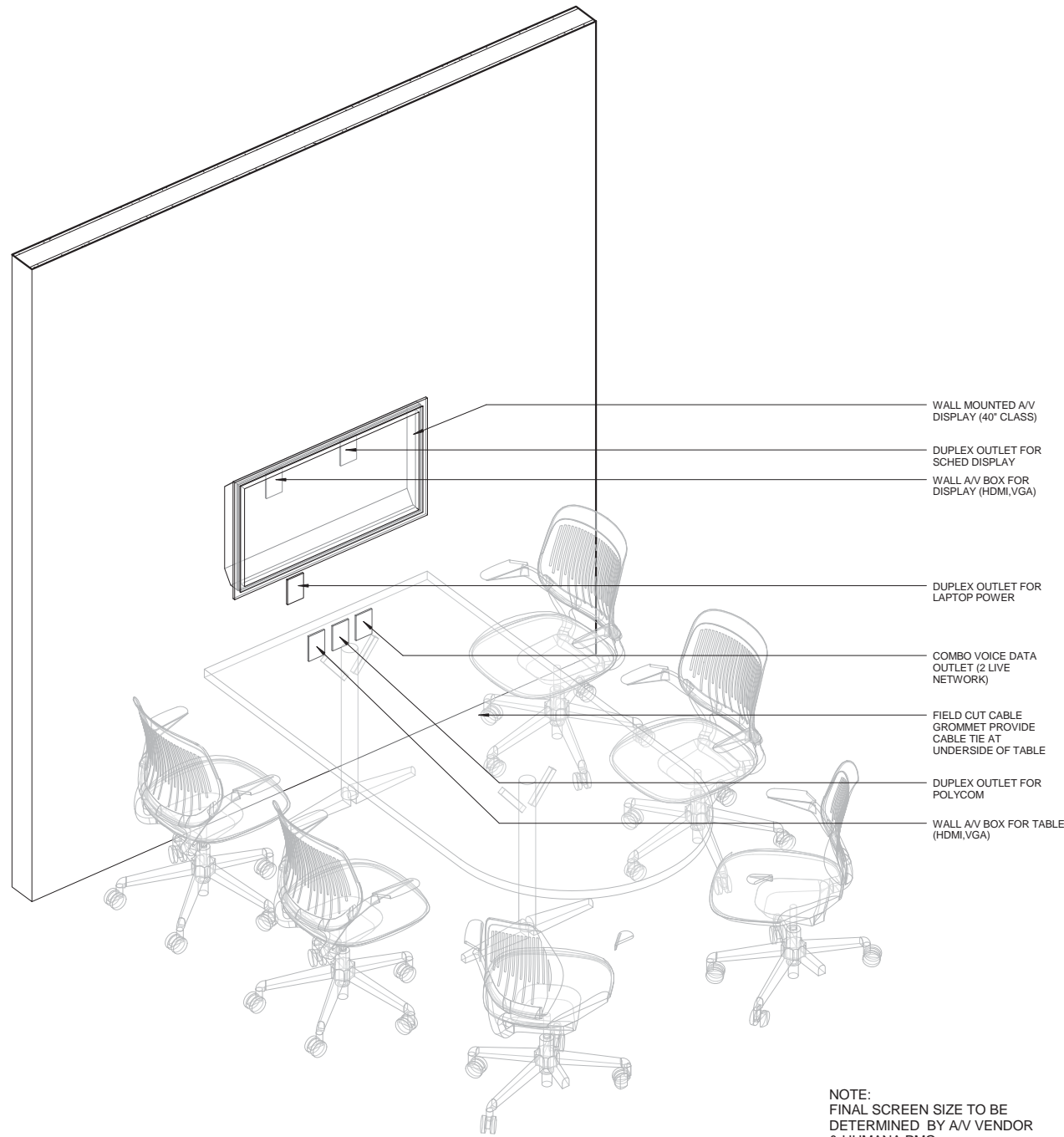
No.	Revision Description	YYYY-MM-DD

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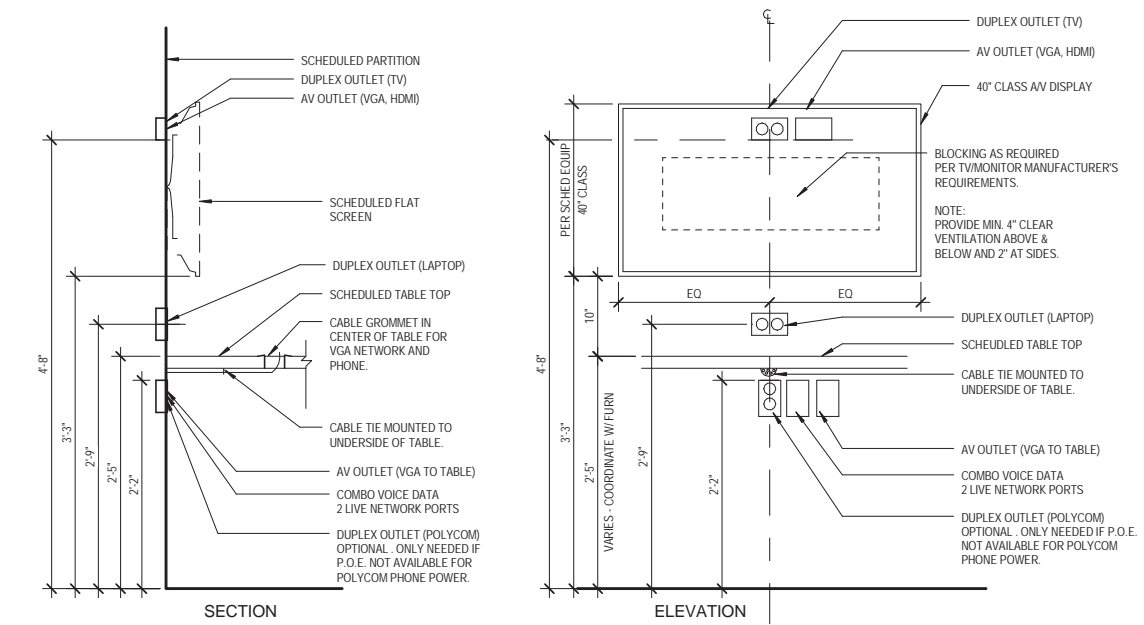
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MILLWORK DETAILS

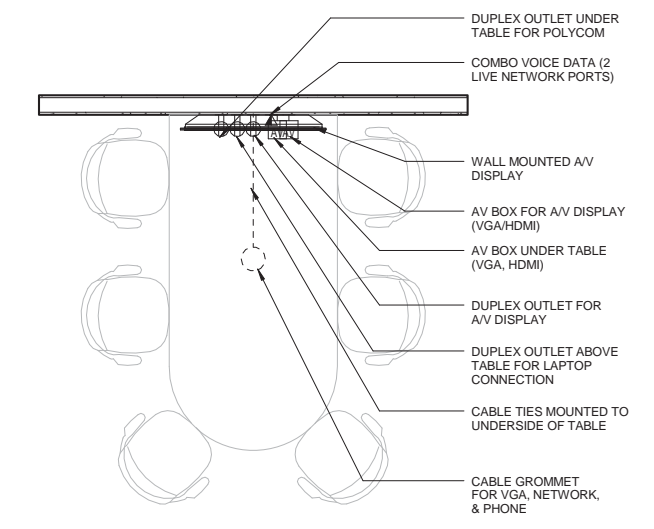


1 Huddle - Single

NOTE:
FINAL SCREEN SIZE TO BE
DETERMINED BY AV VENDOR
& HUMANA PMO



2 AV H - HUDDLE ROOM SINGLE MONITOR
1" = 1'-0"



3 Huddle Single Floor Plan
1/2" = 1'-0"



Humana

PROJECT STANDARDS

AV H1 - HUDDLE SGL

Sheet Title:
Sheet Number:
Project No.:

AV-01

2/10/2014 12:20:02 PM Original drawing is 36 x 24 Do not scale contents of this drawing

HVAC SYMBOLS AND ABBREVIATION LEGEND

NOTE: NOT ALL SYMBOLS AND ABBREVIATIONS MAY APPLY

	- THERMOSTAT MOUNTED @ 48" AFF.		- DUCT TAKE-OFF WITH BALANCING DAMPER	AFF	ABOVE FINISHED FLOOR	HZ	HERTZ
	- CEILING AIR DIFFUSER		- DUCT TEE / ELL. FITTINGS WITH SMACNA TURNING VANES. PLACE IN ACCORDANCE WITH SMACNA.	ARCH	ARCHITECT	KW	KILOWATT
	- RETURN / EXHAUST AIR GRILLE		- SUPPLY AIR DUCT DOWN.	ASHRAE	AMERICAN SOCIETY OF REFRIGERATION AND AIR CONDITIONING ENGINEERS	LAT	LEAVING AIR TEMPERATURE
	- SUPPLY AIR REGISTER		- EXHAUST / RETURN AIR DUCT UP	BBH	BASEBOARD HEATER	MC	MECHANICAL CONTRACTOR
	- EXHAUST / RETURN AIR DUCT UP		- SUPPLY AIR DUCT UP	BTUH	BRITISH THERMAL UNITS PER HOUR	MD	MANUAL DAMPER
	- EXHAUST / RETURN AIR DUCT DOWN		- EXHAUST / RETURN AIR DUCT DOWN	CAD	CEILING AIR DIFFUSER	MFG	MANUFACTURER
				CD	CONDENSATE DRAIN	NC	NOISE CRITERIA
				CFM	CUBIC FEET PER MINUTE	NTS	NOT TO SCALE
				CSR	CEILING SUPPLY REGISTER	OA	OUTSIDE AIR
				DDC	DIRECT DIGITAL CONTROL	PC	PLUMBING CONTRACTOR
				DISC SW	DISCONNECT SWITCH	QTY	QUANTITY
				DN	DOWN	RA	RETURN AIR
				EA	EXHAUST AIR	RAG	RETURN AIR GRILLE
				EAT	ENTERING AIR TEMPERATURE	REF	REFER/REFERENCE
				EC	ELECTRICAL CONTRACTOR	SA	SUPPLY AIR
				EER	ENERGY EFFICIENCY RATIO	SAG	SUPPLY AIR GRILLE
				EF	EXHAUST FAN	SAR	SUPPLY AIR REGISTER
				ESP	EXTERNAL STATIC PRESSURE	SEER	SEASONAL ENERGY EFFICIENCY RATIO
				EXH	EXHAUST	ESP	EXTERNAL STATIC PRESSURE
				"F	DEGREES FAHRENHEIT	SMACNA	SHEET METAL & AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
				FD	FIRE DAMPER	TRANE	TYPICAL
				FPM	FEET PER MINUTE		
				FURN	FURNISH		
				F&I	FURNISHED & INSTALLED		
				GC	GENERAL CONTRACTOR		
				HORIZ	HORIZONTAL		
				HP	HORSEPOWER		
				HVAC	HEATING/VENTILATION/AIR CONDITIONING		

GAS FIRED ROOF TOP UNIT SCHEDULE

MARK	CFM			COOLING		FAN				HEATING				VOLTAGE	EER/SEER	REMARKS	
	S.A.	R.A.	O.A.	SENSIBLE	TOTAL	EAT	LAT	ESP	HP	FRPM	BTUH IN	BTUH OUT	EAT				LAT
RTU-1	2,000	1,750	250	46,000	59,600	78/65	57/56	0.6"	1.0	1,075	130,000	104,000	63	111	208/36/60	13 SEER	ALL
RTU-2	2,000	1,725	275	46,000	59,600	78/65	57/56	0.6"	1.0	1,075	130,000	104,000	63	110	208/36/60	13 SEER	ALL

GENERAL NOTES:
A. REFERENCE SPECIFICATIONS "ROOFTOP UNITS" FOR ADDITIONAL REQUIREMENTS.
B. ESP LOSS DOES NOT INCLUDE HEATER, COOLING COIL, AND INTERNAL PRESSURE LOSSES. M.C. SHALL CONSULT MFGR TO OBTAIN A FAN THAT WILL MEET THE TOTAL STATIC PRESSURE OF THE SYSTEM AT MEDIUM SPEED.
C. SOUND POWER LEVELS TO BE RATED ACCORDING TO ARI 340/360 OR ARI 210/240 AND ARI 270.
D. NONFERROUS DRAIN PAN AND CONNECTION.
E. COOLING COIL OF ALUMINUM FINS AND COPPER TUBES.
F. WEATHERPROOF BAKED ENAMEL CABINET.
G. UL LISTED ELECTRICAL IN NEMA ENCLOSURE AND FACTORY WIRED UNITS RATED IN ACCORDANCE WITH ARI 210, 340.
H. UNITS TO HAVE HIGH/LOW PRESSURE SWITCHES, ANIT-SHORT CYCLING DEVICE AND OVERLOAD PROTECTION.
I. REFRIGERANT TO BE FACTORY TESTED AND CHARGED.
J. UNIT TO OPERATE AT PLUS/MINUS TEN PERCENT (+10%) OF RATED VOLTAGE.

REMARKS
1. BELT DRIVE MOTOR WITH ADJUSTABLE PULLEY AND SHEAVE FOR 80-120% OF SPECIFIED CAPACITY.
2. TWO INCH (2") DISPOSABLE FILTER & FILTER RACK. MECHANICAL CONTRACTOR SHALL INSTALL NEW FILTERS UPON COMPLETION OF THE PROJECT.
3. FACTORY ASSEMBLED ROOF CURB.
4. MOTORIZED OUTSIDE AIR DAMPER.
5. ECONOMIZER WITH ENTHALPY CONTROL.
6. ECONOMIZER WITH POWER EXHAUST.

DESIGN BASIS:
TRANE
MANUFACTURER: YORK, AON, MCOQUAY

REMARKS:
7. HOT GAS REHEAT WITH HUMIDITY SENSOR IN RETURN DUCTWORK.
8. OUTSIDE AIR DAMPER SHALL BE OPEN DURING OCCUPIED MODE AND CLOSED DURING UNOCCUPIED MODE.

FAN SCHEDULE

MARK	CFM	ESP	FRPM	DRIVE	TYPE	HP/WATTS	NC	VOLTAGE	CONTROL	REMARKS
EF-1,2,3	75	0.25"	700	DIRECT	CLG	65 W	2.5	115/116/60	SWITCH WITH LIGHTS BY EC	1,2,3,4,5,6,7

GENERAL NOTES:
A. N.C. LEVELS IN SONES
B. TYPE: IL = IN-LINE CLG = CEILING
C. CONTRACTOR TO PROVIDE ALL REQUIRED MOUNTING HARDWARE.
D. DUTY: E = EXHAUST

REMARKS:
1. DISCONNECT SWITCH
2. VIBRATION ISOLATORS
3. FLEXIBLE DUCT CONNECTION AT INLET/OUTLET

DESIGN BASIS:
GREENHECK

REMARKS:
4. BACK PRESSURE DAMPER
5. THERMAL OVERHEAT PROTECTION
6. INSULATED CABINET
7. CEILING GRILLE
8. IF EITHER OCCUPANCY SENSOR IN THE MEN'S OR WOMEN'S RESTROOM IS ACTIVATED, FAN SHALL OPERATE.

BASEBOARD ELECTRIC HEATER SCHEDULE

MARK	TOTAL WATTS	LENGTH	WATTS/FT	VOLTAGE
BBH				

GENERAL NOTES:
A. M.C. SHALL FIELD VERIFY EXACT LENGTH PRIOR TO PLACING ON ORDER.
B. COPPER CLAD STEEL SHEATH HEATING ELEMENTS W/ALUMINUM FINS.
C. BAKED ENAMEL FINISH, COLOR SELECTED BY ARCHITECT/OWNER.
D. INTEGRAL TAMPER PROOF THERMOSTAT.
E. 3" PEDESTALS; NUMBER OF PEDESTALS PER MANUFACTURER RECOMMENDATION.

DESIGN BASIS:
QMARK
MODEL SHA
OR EQUAL

REMARKS:
*ADD ALTERNATE NO. 1

HVAC DESIGN SUMMARY

THE DESIGN CRITERIA IS AS FOLLOWS WITH ALLOWANCES FOR CONVENTIONAL OFFICE SPACE IN THE MEMPHIS, TENNESSEE AREA.

DESIGN CRITERIA

- OUTDOOR:** SUMMER - 96 °F DB 78 °F WB
WINTER - 16 °F
- INDOOR:** SUMMER - 75 +/- -3°F
WINTER - 70 +/- -3°F
PRECISION HUMIDITY CONTROL IS NOT PROVIDED.
- BUILDING CONSTRUCTION:** PER SITE INSPECTION
*WINDOWS U = 1.1 SC = 0.6
WALLS U = 0.08
ROOF U = 0.07
*EXISTING WINDOWS ARE CLEAR, SINGLE PANE GLASS
- OCCUPANCY:** 35 PERSONS PER ARCHITECTURAL PLAN.
- OUTSIDE AIR:** 5.0 CFM/PERSON PER 2009 IMC
0.06 CFM/SQFT PER 2009 IMC
- LIGHTING:** 1.0 WATTS/SQUARE FOOT AVERAGE

NOTE:
THE SUBCONTRACTORS SHALL COORDINATE WITH THE GENERAL CONTRACTOR ANY WORK THAT WILL BE REQUIRED TO BE DONE AFTER NORMAL WORKING HOURS PRIOR TO SUBMITTING BID. CONTRACTOR SHALL PROVIDE MIN. 48 HOURS NOTICE.

NOTE:
VERIFY AND COORDINATE ALL EXISTING CONDITIONS OF BUILDING IN FIELD PRIOR TO BEGINNING ANY WORK. MC SHALL COORDINATE THIS WORK WITH GC.

OWNER PROJECT REQUIREMENT:

- PROVIDE NEW PLUMBING, ELECTRICAL AND H.V.A.C. TO ACCOMMODATE HUMANA'S DESIGN SPECIFICATIONS.

BASIS OF DESIGN:

- PROVIDE NEW GAS FIRED ROOFTOP UNITS TO CONDITION TENANT SPACE.
- PROVIDE DUCTED SPLIT SYSTEM FOR I.T. ROOM
- NO HUMIDITY CONTROL PROVIDED FOR I.T. ROOM BASED UPON LEVEL 2 HUMANA I.T. STANDARDS.
- PROVIDE NEW EXHAUST FAN FOR TENANT TOILET ROOMS.

CODE REFERENCE:

- 2009 INTERNATIONAL BUILDING CODE WITH LOCAL AMENDMENTS (2012 MEMPHIS AND SHELBY COUNTY EXISTING BUILDING CODE)
- 2009 INTERNATIONAL EXISTING BUILDING CODE WITH LOCAL AMENDMENTS (2012 MEMPHIS AND SHELBY COUNTY BUILDING CODE)
- 2009 INTERNATIONAL ENERGY CONSERVATION CODE
- 2009 INTERNATIONAL MECHANICAL CODE



Project
Humana Memphis, TN
MarketPoint

6515 Poplar Avenue Suites 107&108
Memphis, TN 38119

Prepared for
Humana, Inc.

Contract No: 13.01656.00



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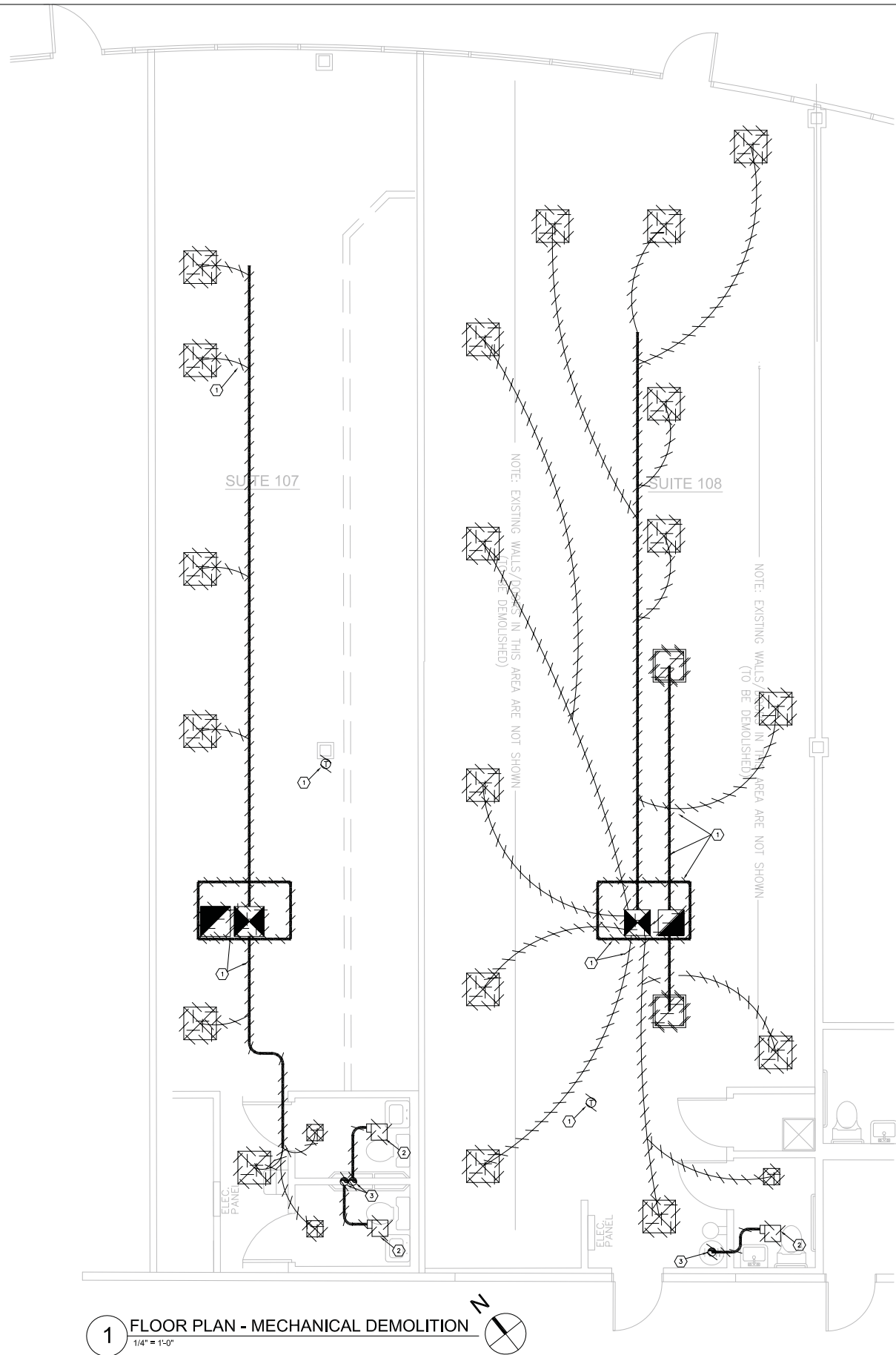
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**MECHANICAL LEGEND
AND SCHEDULES**

SHEET 1 OF 6

Original drawing is 36 x 24. Do not scale contents of this drawing
Sheet Number

3/7/14 90% REVIEW SET

M001



1 FLOOR PLAN - MECHANICAL DEMOLITION
1/4" = 1'-0"

GENERAL DEMOLITION NOTES

- A. WHERE PIPING, DUCTWORK, ETC. IS SHOWN TO BE REMOVED, IT APPLIES ONLY TO LINES SERVING FIXTURES, SUPPLIES, RETURNS, OUTLETS, EQUIPMENT, ETC. WHICH ARE TO BE REMOVED. DO NOT DISCONNECT ANY MAINS OR BRANCH LINES SERVING ITEMS WHICH ARE TO REMAIN.
- B. CARE SHOULD BE TAKEN BY ALL CONTRACTORS TO AVOID DAMAGING OR DISTURBING EXISTING CONSTRUCTION WHICH IS INDICATED TO REMAIN. CONTRACTORS SHALL BE RESPONSIBLE FOR MAKING ANY REPAIRS NECESSARY TO RECTIFY DAMAGE AND RESTORE EXISTING CONSTRUCTION TO UNDAMAGED STATE UPON COMPLETION OF WORK AT NO EXPENSE TO THE OWNER.
- C. ALL CONTRACTORS SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL ARCHITECTURAL DRAWINGS AND DETAILS PRIOR TO BEGINNING CONSTRUCTION FOR COORDINATION OF ALL DEMOLITION WORK FOR EACH RESPECTIVE TRADE.
- D. PRIOR TO BEGINNING DEMOLITION WORK, EACH TRADE SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AS REQUIRED BY LOCAL AND STATE AUTHORITIES, CODES AND ORDINANCES.
- E. UNLESS NOTED OTHERWISE, SHOWN OR SPECIFIED, ALL MATERIALS AND EQUIPMENT REMOVED OR DEMOLISHED (EXCEPT THAT WHICH IS TO BE SALVAGED OR RELOCATED) AS DIRECTED BY DRAWINGS AND SPECIFICATIONS, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF.
- F. ALL PIPING, ETC. WHICH IS REQUIRED TO BE CUT SHALL BE CUT FLUSH WITH FINISHED FLOORS/WALLS. ALL CUTTING AND PATCHING OF EXISTING FLOORS/WALLS SHALL BE BY EACH CONTRACTOR.
- G. CONTRACTOR SHALL GIVE A MINIMUM NOTICE OF 48 HOURS TO GENERAL CONTRACTOR AND OWNER PRIOR TO SHUT-DOWN OF ANY EXISTING UTILITIES, PIPING SYSTEMS, ETC.
- H. CONTRACTOR SHALL VISIT SITE PRIOR TO SUBMITTING BID TO CONFIRM EXISTING CONDITIONS INDICATED. CONTRACTOR SHALL INCLUDE ALL REQUIRED DEMOLITION.

MECHANICAL KEY NOTES:

- 1. HATCHING INDICATES EXISTING ROOFTOP UNIT, THERMOSTAT, AND ALL ASSOCIATED DUCTWORK AND DIFFUSERS TO BE REMOVED. EXISTING ROOF CURB TO REMAIN AND BE REUSED.
- 2. EXISTING EXHAUST FANS AND ASSOCIATED DUCTWORK TO BE REMOVED.
- 3. EXISTING ROOF VENT TO BE REMOVED. CAP AND SEAL CURB WEATHER TIGHT.



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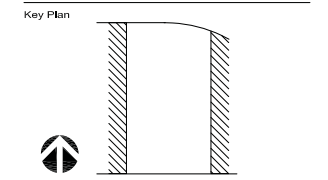


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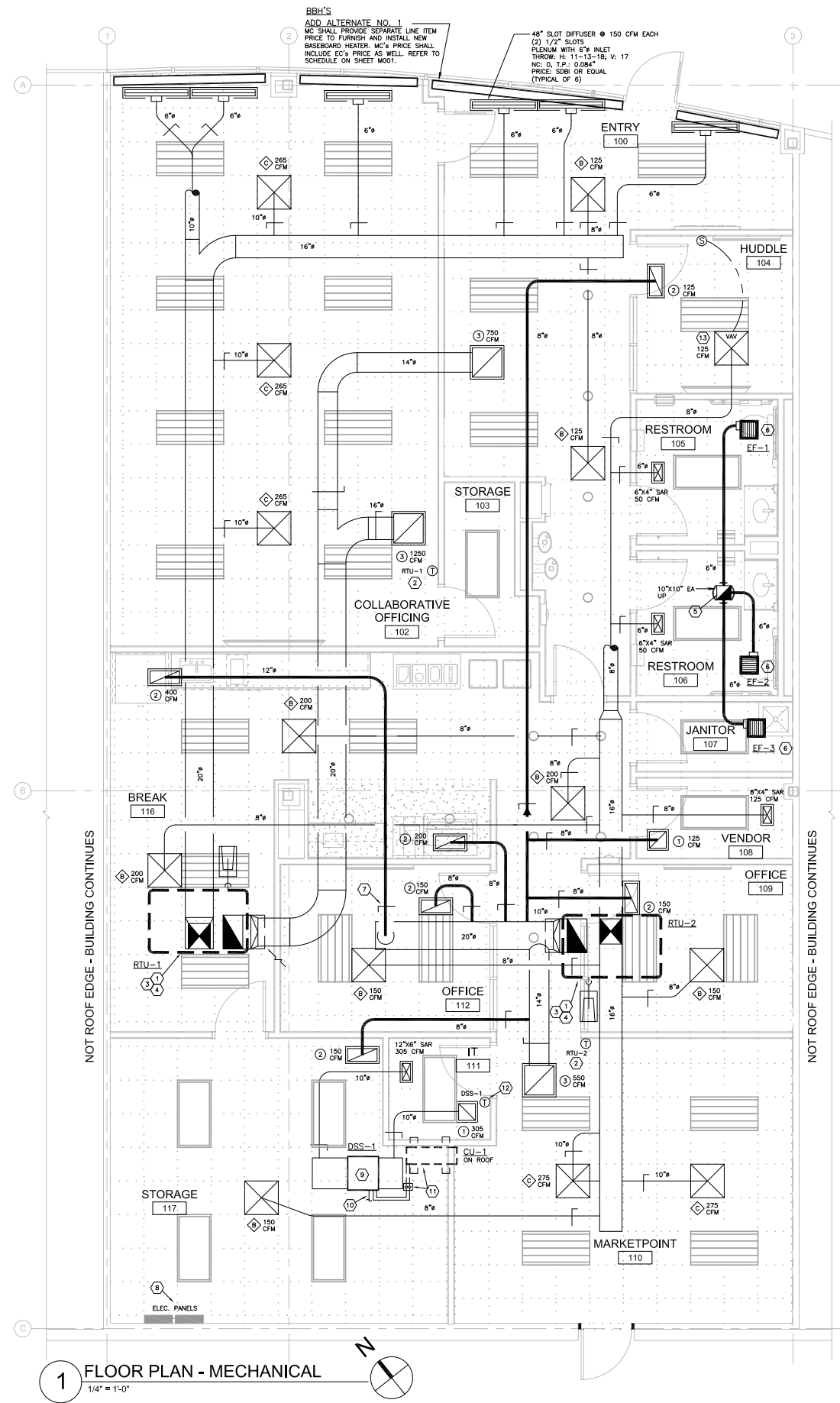
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Sheet Title:
FLOOR PLAN - MECHANICAL DEMOLITION

SHEET 2 OF 6
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3/7/14 90% REVIEW SET

M100



HVAC GENERAL NOTES

- A. HVAC CONTRACTOR SHALL COORDINATE DUCT, DIFFUSERS, REGISTERS AND GRILLES WITH LIGHT FIXTURE AND SPRINKLER HEAD LOCATIONS.
- B. CONTRACTORS ARE TO REVIEW STRUCTURAL PLANS AND ACTUAL LAYOUT OF BEAMS, JOISTS, ETC. TO AVOID CONFLICT BETWEEN DUCT. ADJUST DUCT ROUTING TO ACCEPT STRUCTURAL CONDITIONS.
- C. FLEXIBLE DUCT TO BE A MAXIMUM OF 5'-0" IN LENGTH UNLESS OTHERWISE NOTED. CRIMPING OF FLEXIBLE DUCT WILL NOT BE ACCEPTED.
- D. ALL DIFFUSERS, REGISTERS, AND GRILLES SHALL BE FURNISHED WITH OPPOSED BLADE DAMPERS UNLESS OTHERWISE NOTED. SURFACE MOUNTED CEILING DIFFUSERS SHALL BE PROVIDED WITH FULLY INSULATED BACKING.
- E. THE MECHANICAL CONTRACTOR SHALL PROVIDE STARTERS FOR ALL HVAC EQUIPMENT. THE ELECTRICAL CONTRACTOR SHALL MOUNT AND CONNECT STARTERS.
- F. ALL DUCT CONNECTIONS TO AIR HANDLING EQUIPMENT (FANS, ETC.) SHALL HAVE NEOPRENE FLEXIBLE CONNECTIONS FURNISHED AND INSTALLED COMPLETE BY THE MECHANICAL CONTRACTOR.
- G. ALL 90 DEGREE ELBOWS SHALL BE INSTALLED WITH TURNING VANES; UNLESS OTHERWISE NOTED. THIS INCLUDES VERTICAL AND SINGLE LINE ELBOWS ON THE FLOOR PLANS WHERE TURNING VANES ARE NOT SHOWN.
- H. ALL EXHAUST DISCHARGES AND GAS FLUES WHERE INDICATED SHALL BE LOCATED A MINIMUM OF 10'-0" AWAY FROM OUTSIDE AND COMBUSTION AIR INTAKES UNLESS LOCAL AND STATE CODES MANDATE ADDITIONAL DISTANCE.
- I. CONTRACTOR SHALL VERIFY ELECTRICAL CHARACTERISTICS OF ALL MECHANICAL EQUIPMENT WITH THE ELECTRICAL CONTRACTOR PRIOR TO PLACING EQUIPMENT ON ORDER.
- J. CONTRACTOR SHALL COORDINATE ROUTING OF DUCTWORK WITH ALL OTHER TRADES PRIOR TO COMMENCING INSTALLATION.
- K. EACH CONTRACTOR SHALL SEAL ALL EXTERIOR WALL PENETRATIONS IN WATER-TIGHT MANNER. CONTRACTOR SHALL INSTALL PIPE SLEEVES IN ALL EXTERIOR WALL/FOUNDATION PENETRATIONS. CUTTING AND SLEEVING FOR INSTALLATION SHALL BE COORDINATED WITH GENERAL CONTRACTOR AND ARCHITECT PRIOR TO COMMENCING WORK.

MECHANICAL KEY NOTES:

- 1. INDICATES NEW ROOFTOP UNIT TO BE INSTALLED ON EXISTING ROOF CURB. MC SHALL PROVIDE AND INSTALL CURB ADAPTER IF NECESSARY.
- 2. THERMOSTAT; MOUNTED 48" AFF. COORDINATE EXACT LOCATION WITH OWNER. THERMOSTAT SHALL BE 7-DAY PROGRAMMABLE WITH HEAT/COOL/ON/OFF/AUTO CHANGEOVER FUNCTIONS. (TYPICAL)
- 3. EXTEND SCHEDULE 40 PVC CONDENSATE DRAIN LINE AND SPILL ON ROOF. CONDENSATE LINE BY MC. (TYPICAL)
- 4. HOLD ALL OUTSIDE AIR INTAKES A MINIMUM OF 10'-0" FROM ALL EXHAUST DISCHARGES AND PLUMBING VENTS. (TYPICAL)
- 5. EXTEND EXHAUST DUCT UP THROUGH ROOF WITH ROOF CURB TO EXHAUST HOOD. REFER TO EXHAUST HOOD DETAIL ON SHEET M201.
- 6. NEW EXHAUST FAN. REFER TO FAN SCHEDULE ON SHEET M001.
- 7. PROVIDE MANUAL DAMPERS WHERE REQUIRED TO BALANCE SYSTEM. INSTALL IN ACCESSIBLE LOCATION. (TYPICAL)
- 8. AVOID ROUTING DUCTWORK ABOVE ELECTRICAL PANELS AND EQUIPMENT. COORDINATE PANEL LOCATIONS WITH EC.
- 9. INDICATES HORIZONTAL DUCTED SPLIT INDOOR UNIT. SUSPEND FROM STRUCTURE WITH ALL THREAD ROD PER MANUFACTURER'S RECOMMENDATIONS. DO NOT INSTALL ABOVE LIGHTS. REFER TO SCHEDULE ON SHEET M001.
- 10. EXTEND PUMPED SCHEDULE 40 PVC CONDENSATE DRAIN LINE AND SPILL TO MOP SINK IN JANITOR CLOSET 107. DO NOT ROUTE OVER IT OR VENDOR ROOMS.
- 11. EXTEND REFRIGERANT LINES FROM CONDENSING UNIT ON ROOF AND CONNECT TO INDOOR UNIT. REFRIGERANT LINE PENETRATIONS THROUGH ROOF SHALL BE THROUGH PIPE CURB WITH RUBBER BOOTS; REFER TO ROOF PENETRATION DETAIL ON SHEET M201. CONDENSING UNIT SHALL BE INSTALLED ON ROOF EQUIPMENT RAILS SECURED TO ROOF. HOLD 10'-0" FROM ROOF EDGE.
- 12. REMOTE FACTORY PROVIDED THERMOSTAT; MOUNT 48" AFF.
- 13. INDICATES THERMAL HEATING/COOLING VAV DIFFUSER WITH WALL MOUNTED ROOM SENSOR; MOUNT 48" AFF. REFERENCE SPECIFICATION ON SHEET M302.



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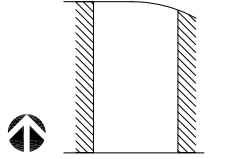
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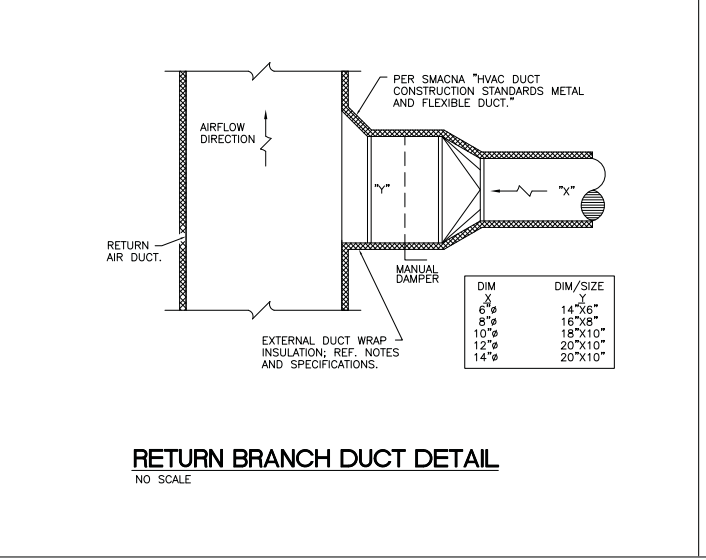
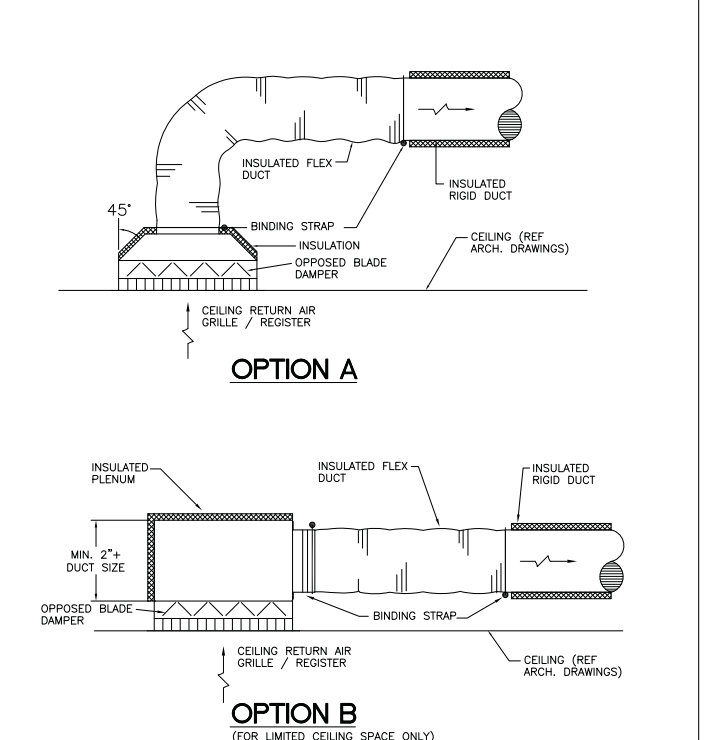
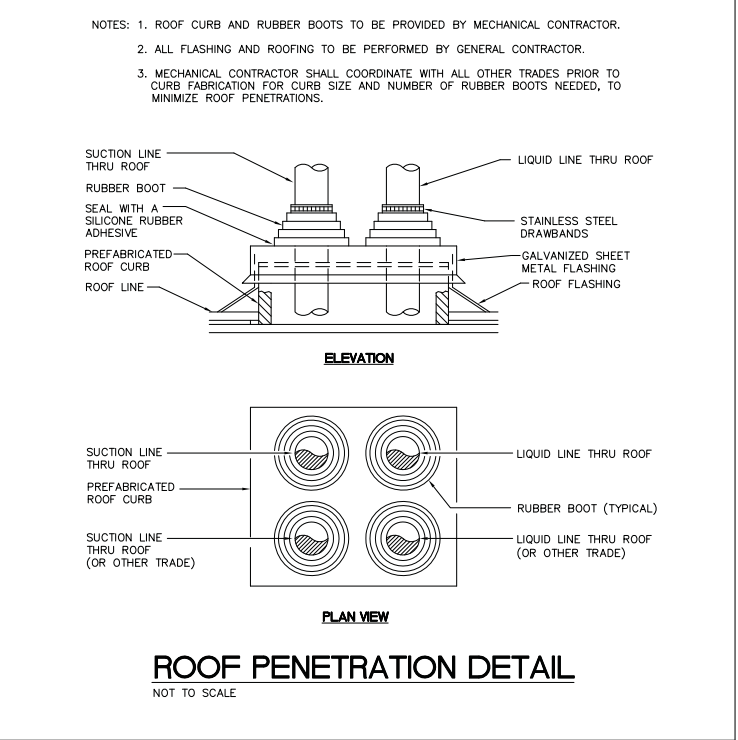
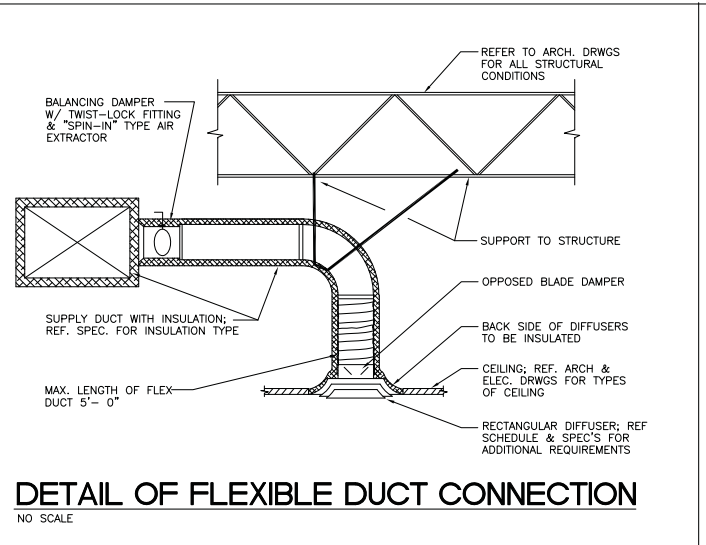
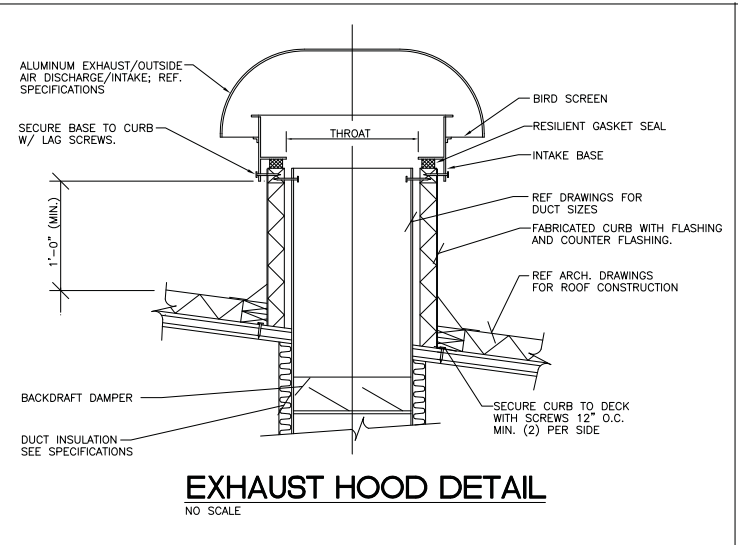
Sheet Title:
FLOOR PLAN -
MECHANICAL

SHEET 3 OF 6

Original drawing is 36 x 24. Do not scale contents of this drawing.
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M101



Project
Humana Memphis, TN
MarketPoint
6515 Poplar Avenue Suites 107&108
Memphis, TN 38119

Prepared for
Humana, Inc.

Contract No: 13.01656.00



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Drawn by K/L Reviewed by CB/DG

Project No 2013-6741

Sheet Title:
MECHANICAL DETAILS

SHEET 4 OF 6

Original drawing is 36 x 24 Do not scale contents of this drawing
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M201

GENERAL ELECTRICAL NOTES:

- A. ELECTRICAL CONTRACTOR SHALL VISIT AND EXAMINE THE SITE PRIOR TO SUBMITTING BID TO BECOME FAMILIAR WITH EXISTING CONDITIONS.
- B. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES, PERMITS AND LICENSES FOR THE COMPLETE INSTALLATION OF HIS WORK.
- C. COORDINATE EXACT PHASING OF ALL WORK WITH GENERAL CONTRACTOR.
- D. EXACT DEVICE LOCATIONS (RECEPTACLES, DATA/TELEPHONE OUTLETS, LIGHT FIXTURES, ETC.) SHALL BE COORDINATED WITH ARCHITECTURAL PLANS.
- E. ELECTRICAL CONTRACTOR SHALL VERIFY EXACT MOUNTING LOCATION AND CONNECTION REQUIREMENTS OF ALL PLUMBING EQUIPMENT WITH PLUMBING CONTRACTOR PRIOR TO ROUGH-IN.
- F. ELECTRICAL CONTRACTOR SHALL VERIFY EXACT MOUNTING LOCATION AND CONNECTION REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- G. ALL DEVICES AND JUNCTION BOXES SHALL BE ACCESSIBLE. PROVIDE ACCESS PANEL AS REQUIRED WITH PRIOR APPROVAL OF ARCHITECT.
- H. WHERE MORE THAN ONE SWITCH OR DIMMER OCCURS AT A LOCATION, GANG THE SWITCHES TOGETHER WITH A COMMON JUNCTION BOX AND FACEPLATE.
- I. ELECTRICAL CONTRACTOR SHALL COORDINATE LOCATION OF LIGHT FIXTURES WITH MECHANICAL CONTRACTOR, PLUMBING CONTRACTOR AND FIRE PROTECTION CONTRACTOR TO AVOID CONFLICT WITH DUCTWORK, PIPING AND SPRINKLER PIPING.
- J. ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ALL NECESSARY CONDUIT, WIRING, JUNCTION BOXES AND EQUIPMENT FOR A COMPLETE AND FUNCTIONAL FIRE ALARM SYSTEM INSTALLATION.
- K. NOT MORE THAN THREE LIGHTING OR CONVENIENCE OUTLET CIRCUITS ARE PERMITTED IN ONE CONDUIT, UNLESS OTHERWISE INDICATED. DEDICATED NEUTRAL CONDUCTORS ARE REQUIRED FOR ALL BRANCH CIRCUITS UNLESS OTHERWISE NOTED.
- L. PROVIDE 4" HIGH CONCRETE BASES FOR ALL FLOOR SET ELECTRICAL EQUIPMENT, INCLUDING SWITCHBOARDS AND DRY-TYPE TRANSFORMERS. CONSTRUCT CONCRETE BASES OF DIMENSIONS INDICATED, BUT NOT LESS THAN 4 INCHES LARGER, IN BOTH DIRECTIONS, THAN SUPPORTED UNIT.
- M. DISCONNECT SWITCHES SHALL BE MOUNTED ON INDIVIDUAL STRUCTURAL SUPPORTS, OR OTHERWISE DIRECTLY ON EQUIPMENT, PROVIDED NO MODIFICATION TO EQUIPMENT IS NECESSARY. ALL STRUCTURAL SUPPORTS FOR ELECTRICAL EQUIPMENT SHALL BE PROVIDED AND INSTALLED BY ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR SHALL INCLUDE DESIGN FOR ALL STRUCTURAL SUPPORT.
- N. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY BALANCING ALL BRANCH CIRCUITS AMONG THE PHASES OF THE SYSTEM ACCORDING TO NEC AND PROVIDE LOAD BALANCING REPORT TO ENGINEER.
- O. ALL CABLING SHALL BE ROUTED THROUGH ACCESSIBLE CEILING SPACES WHERE POSSIBLE.
- P. ALL CONDUIT PENETRATIONS THROUGH RATED WALLS, FLOORS, AND CEILINGS SHALL BE FIRE STOPPED WITH APPROVED FIRE SEALANT.
- Q. DEVICES ON EMERGENCY POWER SHALL BE RED IN COLOR, INCLUDING COVER PLATES.
- R. EMERGENCY LIGHTING, IF SWITCHED, SHALL AUTOMATICALLY ILLUMINATE DURING A POWER OUTAGE.
- S. ELECTRICAL CONTRACTOR SHALL ARRANGE FOR A JOB WALK-THROUGH WITH THE BUILDING AND FIRE DEPARTMENT INSPECTORS TO DETERMINE IF ANY ADDITIONAL EXIT SIGNS ARE REQUIRED PRIOR TO COVER UP. VERIFY ARROW REQUIREMENTS.
- T. PROVIDE PULLWIRE IN EACH EMPTY RACEWAY.
- U. EC SHALL PROVIDE CONDUIT SLEEVES FOR CABLE ROUTING, AS NECESSARY, IN WALLS, FLOORS AND CEILINGS.
- V. E.C. SHALL PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH LIGHTING AND RECEPTACLE BRANCH CIRCUIT. NO MULTI-WIRE BRANCH CIRCUITS WITH SHARED NEUTRALS SHALL BE ALLOWED.
- W. AT ALL NEW FLOOR CORE DRILLS, DO NOT CUT RE-BAR. LOCATE RE-BAR WITH MAGNETIC LOCATOR. SHIFT CORES AS REQUIRED. FIRE-STOP VOIDS WITH APPROVED FIRE STOPPING AND PROVIDE 3,000 PSI HIGH STRENGTH GROUT.

NOTE: GENERAL ELECTRICAL NOTES APPLY TO ALL ELECTRICAL DRAWINGS.

OWNER PROJECT REQUIREMENT:

- RENOVATE EXISTING SPACE FOR HUMANA. EXISTING PLUMBING, FIRE PROTECTION, ELECTRICAL AND H.V.A.C. SHALL BE RENOVATED TO ACCOMMODATE NEW FLOOR PLAN DESIGN.

BASIS OF DESIGN:

- NEW LIGHT FIXTURES SHALL BE PROVIDED OWNER FURNISHED, CONTRACTOR INSTALLED.
- NEW POWER AND DATA DROPS SHALL BE PROVIDED AT LOCATIONS INDICATED ON ARCHITECT'S PLAN.

ELECTRICAL CODE REFERENCE:

- 2008 NEC W/LOCAL AMENDMENTS
- 2009 INTERNATIONAL BUILDING CODE WITH LOCAL AMENDMENTS (2012 MEMPHIS AND SHELBY COUNTY EXISTING BUILDING CODE)
- 2009 INTERNATIONAL ENERGY CONSERVATION CODE

ELECTRICAL SYMBOLS LEGEND

2' X 4' FLUORESCENT LAY-IN/SURFACE MOUNTED LIGHT FIXTURE.

2' X 4' FLUORESCENT LIGHT FIXTURE WITH EMERGENCY POWER.

1' X 4' FLUORESCENT LAY-IN/SURFACE MOUNTED LIGHT FIXTURE.

1' X 4' FLUORESCENT LIGHT FIXTURE WITH EMERGENCY POWER.

RECESSED DOWNLIGHT FIXTURE.

RECESSED DOWNLIGHT FIXTURE WITH EMERGENCY POWER.

WALL BRACKET LIGHT FIXTURE.

"NL" - INDICATES LIGHT FIXTURE TO BE ON NIGHT LIGHT CIRCUIT.

"S" - INDICATES LIGHT FIXTURE SWITCH/DIMMER "SWITCH LEG" DESIGNATION.

"EX" - INDICATES LIGHT FIXTURE TO REMAIN. LAMPS AND BALLASTS SHALL BE REPLACED WITH NEW. LENS SHALL BE CLEANED.

CEILING MOUNTED EXIT SIGN. (DARKENED AREA INDICATES FACE(S) PROVIDE DIRECTIONAL ARROWS AS INDICATED ON PLANS.)

SINGLE FACE, BACK MOUNTED EXIT SIGN. (ARROWS AS INDICATED ON PLANS.)

DOUBLE FACE, END MOUNT EXIT SIGN. (ARROWS AS INDICATED ON PLANS.)

WALL MOUNTED EMERGENCY LIGHT.

CEILING RECESSED EMERGENCY LIGHT.

SWITCH, SUBSCRIPT INDICATES:
 X=NONE - SINGLE POLE
 X=2 - DOUBLE POLE
 X=3 - THREE WAY
 X=4 - FOUR WAY
 X=a - LETTER INDICATES SWITCH/DIMMER DESIGNATION FOR SPECIFIED LIGHT FIXTURE
 X=K - KEY OPERATED
 X=P - PILOT LIGHT
 X=R - MOMENTARY RELAY ON/OFF

1 POLE, 20 AMP, 125 VOLT MOTOR RATED TOGGLE SWITCH WITH THERMAL OVERLOAD PROTECTION.

OCCUPANCY SENSOR - WATT STOPPER #WS-200 - PIR WITH MANUAL ON/AUTO OFF, AUTO ON/AUTO OFF, REDUCED TURN ON. COLOR: WHITE.

CEILING MOUNT OCCUPANCY SENSOR-PIR. 360° LENS. COLOR: WHITE. WATT-STOPPER #DT-300.

DIMMABLE WALL SWITCH OCCUPANCY SENSOR - WATT STOPPER #WD-280 OR EQUAL COMPATIBLE DIMMER - PIR WITH MANUAL ON/AUTO OFF, AUTO ON/AUTO OFF. COLOR: WHITE.

FLUORESCENT DIMMER SWITCH - LIGHTOLIER VEGA OR EQUAL COMPATIBLE DIMMER.

JUNCTION BOX.

PANELBOARD.

RECESSED PANELBOARD.

DISTRIBUTION PANELBOARD.

20A, 125V, DUPLEX RECEPTACLE, 2P-3W GROUNDING, NEMA 5-20R MOUNTED VERTICALLY. WHEN LETTERS ATTACHED TO SYMBOL,
 C - CEILING MOUNT,
 WP - WEATHER PROOF,
 GF/GFI - GROUND FAULT INTERRUPTER,
 IG - ISOLATED GROUND,
 AC - ABOVE COUNTER,
 ## - NON STANDARD HEIGHT NOTED IN INCHES,
 TV - FOR TV, VERIFY MOUNTING HEIGHT WITH ARCHITECT/OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.
 D - DEDICATED DUPLEX RECEPTACLE.

BLANK WALL COVER PLATE AND BACKBOX.

THREE PHASE RECEPTACLE.

SPECIAL RECEPTACLE AS NOTED ON DRAWING.

SINGLE RECEPTACLE.

QUADRAPLEX RECEPTACLE.

"EC" - INDICATES EXISTING OUTLET TO BE CAPPED AND CONDUCTORS TO BE PULLED BACK TO NEXT DEVICE OR OVER CURRENT DEVICE.

"EX" - INDICATES OUTLET TO REMAIN. DEVICE, FACEPLATE, AND WIRING SHALL BE REPLACED WITH NEW.

"ER" - INDICATES THAT THE EXISTING DEVICE SHALL BE RELOCATED.

"EL" - INDICATES NEW LOCATION OF EXISTING DEVICE.

TRANSFORMER

MOTOR CONNECTION.

JUNCTION BOX IN WALL FOR FURNITURE SYSTEM POWER AND COMMUNICATIONS FEED. VERIFY LOCATION AND REQUIREMENTS WITH THE FURNITURE VENDOR PRIOR TO ROUGH-IN. PROVIDE AND INSTALL TWO GANG OUTLET BOX W/ (1) 3/4" CONDUIT (FOR POWER) AND (2) 1-1/4" EMT STUB-UP TO CEILING WITH PULLWIRE (FOR COMMUNICATIONS). CABLING BY TENANT. BASE POWER FEED TO BE PROVIDED BY FURNITURE VENDOR AND CONNECTED BY ELECTRICAL SUB-CONTRACTOR.

FIRE RATED POKE THROUGH W/ FLUSH SERVICE FITTING FOR POWER AND DATA CONNECTIONS. VERIFY EXACT LOCATION AND REQUIREMENTS WITH THE FURNITURE VENDOR PRIOR TO ROUGH-IN. PROVIDE WITH 1-1/4" E.M.T. CONDUIT STEM FOR VOICE/DATA AND 3/4" E.M.T. CONDUIT STEM FOR POWER.

ADJUSTABLE FLOOR BOX WITH DUPLEX RECEPTACLE AND DATA CONNECTIONS. BRUSHED ALUMINUM CARPET FLANGE & COVER PLATE. COORDINATE EXACT FINISH WITH ARCHITECT

SURFACE MOUNT FURNITURE SYSTEM POWER AND COMMUNICATIONS FEED.

COMBINATION STARTER / DISCONNECT SWITCH. (SIZE AS NOTED)

EQUIPMENT DISCONNECT SWITCH. PROVIDE SWITCH AS DESIGNATED:
 3/30/480/1/F
 FUSIBLE (F) OR NON-FUSED (NF)
 NEMA ENCLOSURE
 VOLTAGE
 AMPACITY
 NO. OF POLES

ALL FUSIBLE SWITCHES SHALL BE PROVIDED WITH FUSES SIZED PER EQUIPMENT NAMEPLATE. CONTRACTOR SHALL MAKE FINAL ELECTRICAL CONNECTION TO EQUIPMENT.

TELEPHONE OUTLET - SINGLE GANG JUNCTION BOX STUB THREE-QUARTER INCH (3/4") CONDUIT WITH PULL WIRE INTO ACCESSIBLE CEILING SPACE.

DATA/TELEPHONE OUTLET - SINGLE GANG JUNCTION BOX STUB ONE INCH (1") CONDUIT WITH PULL WIRE INTO ACCESSIBLE CEILING SPACE.

WALL TELEPHONE OUTLET - SINGLE JUNCTION BOX STUB THREE-QUARTER INCH (3/4") CONDUIT WITH PULL WIRE INTO ACCESSIBLE CEILING SPACE.

ELECTRIC STRIKE. PROVIDE OUTLET BOX WITH 120VAC CONNECTION.

MAGNETIC DOOR HOLD-OPEN. PROVIDE OUTLET BOX WITH 120VAC CONNECTION.

MAGLOCK. PROVIDE OUTLET BOX WITH 120VAC CONNECTION.

CABLE TELEVISION OUTLET - SINGLE GANG JUNCTION BOX STUB THREE-QUARTER INCH (3/4") CONDUIT WITH PULL WIRE INTO ACCESSIBLE CEILING SPACE. VERIFY EXACT MOUNTING HEIGHT AND LOCATION WITH ARCHITECT AND OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.

AUDIO VISUAL/ CABLE TELEVISION OUTLET - SINGLE GANG JUNCTION BOX. STUB TWO INCH (2") CONDUIT W/PULL WIRE INTO ACCESSIBLE CEILING SPACE. VERIFY EXACT MOUNTING HEIGHT AND LOCATION WITH ARCHITECT AND OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN. FSR #PWB SERIES OR EQUAL.

ELECTRONIC CARD READER. JUNCTION BOX WITH 3/4" C. AND PULLWIRE STUBBED TO ABOVE ACCESSIBLE CEILING.

CONDUIT RUN UNDERSLAB.

CONDUIT RUN ABOVE CEILING OR CONCEALED IN WALLS.

CONDUIT DOWN.

CONDUIT UP.

CONDUIT BARS INDICATE CONDUCTORS

PHASE (HOT)

NEUTRAL (GROUND)

EQUIPMENT GROUNDING

ALL DIMENSIONS FOR DEVICE MOUNTING HEIGHTS ARE MEASURED FROM FINISHED FLOOR TO CENTER OF DEVICE OUTLET BOX, UNLESS OTHERWISE INDICATED. MOUNTING HEIGHTS SHALL BE AS FOLLOWS:
 • WALL SWITCH - 48" AFF
 • DIMMER - 48" AFF
 • RECEPTACLE - 18" AFF
 • ABOVE COUNTER RECEPTACLE/DEVICE - 3" ABOVE BACK SPLASH OF COUNTER OR 8" ABOVE FINISHED COUNTER TOP, WHICHEVER IS LOWER.
 • TELEPHONE - 18" AFF
 • DATA - 18" AFF

NOTE: THESE SYMBOLS COMPRISE A STANDARD LIST, NOT ALL SYMBOLS MAY APPEAR ON THESE DRAWINGS.

LIGHT FIXTURE SCHEDULE

FIXTURE TYPE	DESCRIPTION	CATALOG NUMBER	LAMP	VOLTAGE	INPUT WATTS	BALLAST	LENS/REFLECTOR	MOUNTING	REMARKS
F1	DIRECT/INDIRECT 2'-0"x4'-0" (2) LAMP FLUORESCENT LAY-IN TROFFER WITH PERFORATED BASKET (STATIC)	LIGHTOLIER - COFFAIRE II - CF S 2 G P F 232 UNV PI	(2) 32W T8	120	58	ELECTRONIC	PERFORATED SHIELD	RECESSED CEILING	
F1D	DIRECT/INDIRECT 2'-0"x4'-0" (2) LAMP FLUORESCENT LAY-IN TROFFER WITH PERFORATED BASKET (STATIC)	LIGHTOLIER - COFFAIRE II - CF S 2 G P F 232 UNV PI DIMMING	(2) 32W T8	120	58	DIMMABLE	PERFORATED SHIELD	RECESSED CEILING	PROVIDE W/DIMMING BALLAST
F1E	DIRECT/INDIRECT 2'-0"x4'-0" (2) LAMP FLUORESCENT LAY-IN TROFFER WITH PERFORATED BASKET (STATIC) W/EMERGENCY BATTERY PACK	LIGHTOLIER - COFFAIRE II - CF S 2 G P F 232 UNV PI W/ FBP1300LT EM. BALLAST	(2) 32W T8	120	58	ELECTRONIC	PERFORATED SHIELD	RECESSED CEILING	PROVIDE WITH EMERGENCY BATTERY OPTION
F2	2'x4' (2) LAMP RECESSED FLUORESCENT ACRYLIC LENSED TROFFER	LIGHTOLIER - XP 2G VA 232 UNV PG	(2) 32W T8	120	58	ELECTRONIC	PRISMATIC ACRYLIC	RECESSED CEILING	
F2E	2'x4' (2) LAMP RECESSED FLUORESCENT ACRYLIC LENSED TROFFER W/EMERGENCY BATTERY PACK	LIGHTOLIER - XP 2G VA 232 UNV PG	(2) 32W T8	120	58	ELECTRONIC	PRISMATIC ACRYLIC	RECESSED CEILING	PROVIDE WITH EMERGENCY BATTERY OPTION
F4	6" DIAMETER OPEN COMPACT FLUORESCENT DOWNLIGHT.	LIGHTOLIER #8031 CLW	(1) 32W TRT 4-PIN	120	32	DIMMABLE	OPEN REFLECTOR	RECESSED CEILING	
F4E	6" DIAMETER OPEN COMPACT FLUORESCENT DOWNLIGHT W/EMERGENCY BATTERY PACK	LIGHTOLIER #8031 CLW CU3 EM	(1) 32W TRT 4-PIN	120	32	ELECTRONIC	OPEN REFLECTOR	RECESSED CEILING	PROVIDE WITH EMERGENCY BATTERY OPTION
X1	SINGLE FACE EDGE-LIT EXIT SIGN	LITHONIA #LRP-LED-1-RC-120/277 OR LIGHTOLIER EQUAL	LED	120	-	-	ACRYLIC	RECESSED CEILING	
X2	DOUBLE FACE EDGE-LIT EXIT SIGN	LITHONIA #LRP-LED-2-RMR-ARROWS-120/277 OR LIGHTOLIER EQUAL	LED	120	-	-	ACRYLIC	RECESSED CEILING	



Project
**Humana Memphis, TN
 MarketPoint**

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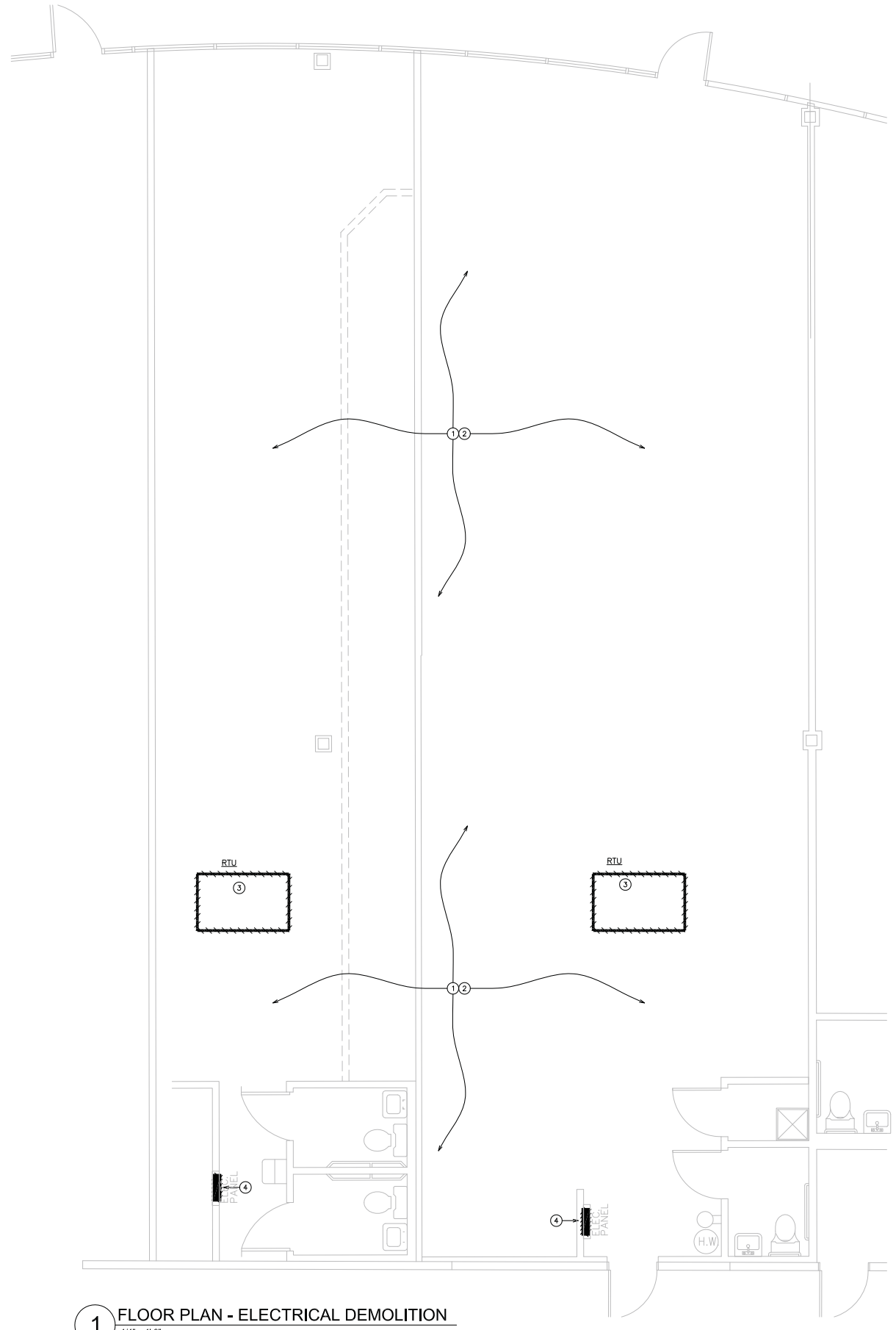
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Sheet Title:
**ELECTRICAL SYMBOLS,
 LIGHT FIXTURE
 SCHEDULE & NOTES**
 SHEET 1 OF 7

Original drawing is 36 x 24. Do not scale contents of this drawing.
 Sheet Number

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E001



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

GENERAL ELECTRICAL NOTES:

- A. WHERE EXISTING DEVICES ARE INDICATED TO BE REMOVED, EXISTING RACEWAY, CONDUIT AND ASSOCIATED WIRING SHALL BE REMOVED COMPLETE BACK TO SOURCE PANELS UNLESS NOTED OTHERWISE.
- B. EXISTING COMMUNICATIONS CABLING WITHIN EXISTING TENANT SPACE TO BE REMOVED COMPLETE BACK TO SOURCE.
- C. REFER TO MECHANICAL DEMOLITION DRAWINGS FOR LOCATIONS OF EQUIPMENT BEING REMOVED. COORDINATE WITH MECHANICAL DEMOLITION CONTRACTOR.

DEMOLITION KEY NOTES:

- 1. EXISTING LIGHT FIXTURES, SWITCHES, OUTLETS, ELECTRICAL DEVICES AND CONNECTIONS TO BE REMOVED COMPLETE FROM WITHIN EXISTING SPACE UNLESS NOTED OR INDICATED OTHERWISE.
- 2. EXISTING RACEWAY, CONDUIT AND WIRING WITHIN EXISTING TENANT SPACE TO BE REMOVED COMPLETE UNLESS NOTED OTHERWISE.
- 3. E.C. SHALL DISCONNECT AND REMOVE EXISTING BRANCH CIRCUIT SERVING ROOF TOP HVAC UNIT TO ALLOW FOR EQUIPMENT REMOVAL BY M.C.
- 4. EXISTING PANELBOARD TO BE REMOVED COMPLETE. ASSOCIATED FEEDER TO BE REMOVED COMPLETE BACK TO METER LOCATION. METER AND SERVICE DISCONNECT SHALL BE REMOVED COMPLETE.
- 5. LOCATION OF MAIN SERVICE ENTRANCE AND METER BANK.

GENERAL DEMOLITION NOTES

- INDICATES EXISTING WIRING DEVICE TO REMAIN.
 - INDICATES EXISTING WIRING DEVICE TO BE REMOVED.
 - INDICATES EXISTING LIGHT FIXTURE TO REMAIN.
 - INDICATES EXISTING LIGHT FIXTURE TO BE REMOVED.
 - CROSS-HATCHING INDICATES DEVICE TO BE REMOVED COMPLETE. ALL WIRING AND CONDUIT SHALL BE REMOVED BACK TO THE POINT OF ORIGIN.
- A. CARE SHOULD BE TAKEN BY ALL CONTRACTORS TO AVOID DAMAGING OR DISTURBING EXISTING CONSTRUCTION WHICH IS INDICATED TO REMAIN. CONTRACTORS SHALL BE RESPONSIBLE FOR MAKING ANY REPAIRS NECESSARY TO RECTIFY DAMAGE AND RESTORE EXISTING CONSTRUCTION TO UNDAMAGED STATE UPON COMPLETION OF WORK AT NO EXPENSE TO OWNER.
- B. ALL CONTRACTORS SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL ARCHITECTURAL DRAWINGS AND DETAILS PRIOR TO BEGINNING CONSTRUCTION FOR COORDINATION OF ALL DEMOLITION WORK FOR EACH RESPECTIVE TRADE.
- C. ALL CONTRACTORS SHALL REFER TO NEW CONSTRUCTION DRAWINGS AND SPECIFICATIONS PRIOR TO BEGINNING DEMOLITION WORK FOR COORDINATION WITH SAME.
- D. UNLESS NOTED OTHERWISE SHOWN OR SPECIFIED, ALL MATERIALS AND EQUIPMENT REMOVED OR DEMOLISHED (EXCEPT THAT WHICH IS TO BE SALVAGED OR RELOCATED) AS DIRECTED BY DRAWINGS AND SPECIFICATIONS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF.
- E. CONTRACTOR SHALL GIVE A MINIMUM NOTICE OF 48 HOURS TO GENERAL CONTRACTOR AND OWNER PRIOR TO SHUT-DOWN OF ANY EXISTING UTILITIES.
- F. CONTRACTOR SHALL VISIT THE SITE TO DETERMINE THE SCOPE OF ELECTRICAL DEMOLITION WORK.
- G. WHERE EXISTING WALLS OR PARTITIONS ARE TO BE REMOVED, THE ELECTRICAL CONTRACTOR SHALL CUT ALL BRANCH CIRCUITS AND CONDUITS FLUSH WITH FLOOR AND REMOVE CONDUCTORS.
- H. ELECTRICAL CONTRACTOR SHALL REWORK BRANCH CIRCUITS AS REQUIRED TO CONTINUE SERVICE TO ALL DEVICES, LIGHTING AND EQUIPMENT THAT ARE TO REMAIN AND DISCONNECTED FROM SERVICE BY DEMOLITION.
- I. ELECTRICAL CONTRACTOR SHALL VERIFY EXISTING CIRCUITS SERVING LIGHT FIXTURES, RECEPTACLES, AND SPECIAL POWER FOR EQUIPMENT WITHIN LIMITS OF DEMOLITION, PRIOR TO START OF ANY WORK.
- J. ELECTRICAL CONTRACTOR SHALL ELECTRICALLY DISCONNECT ALL ELECTRICAL EQUIPMENT (BEING REMOVED BY DEMOLITION) BACK AT PANELBOARD.
- K. ALL CONDUIT AND WIRE FOR EQUIPMENT LOCATED OUTSIDE AREA OF DEMOLITION SHALL REMAIN IN SERVICE. ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CAREFULLY COORDINATING WITH OTHER REPRESENTATIVES THE EXACT METHOD OF RE-ROUTING ANY CONDUIT AND WIRE TO EQUIPMENT REMAINING.
- L. ALL CONDUIT AND WIRE REMOVED SHALL BE REMOVED COMPLETELY BACK TO NEAREST JUNCTION BOX OR AT SOURCE PANEL AND BRANCH DEVICES PROPERLY LABELED "SPARE".
- M. REFER TO DEMOLITION DRAWINGS OF OTHER TRADES FOR ADDITIONAL WORK REQUIRED.
- N. PROVIDE TEMPORARY LIGHTING/POWER DURING AND AFTER DEMOLITION OF ALL AREAS WITHIN LIMITS OF THIS CONTRACT. SUCH DEVICES SHALL BE TAKEN FROM EXISTING PANELBOARDS AND EXISTING EQUIPMENT MAY BE UTILIZED WHERE FEASIBLE.



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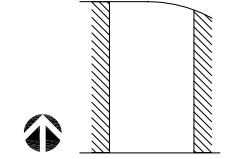
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**FLOOR PLAN -
ELECTRICAL DEMOLITION**

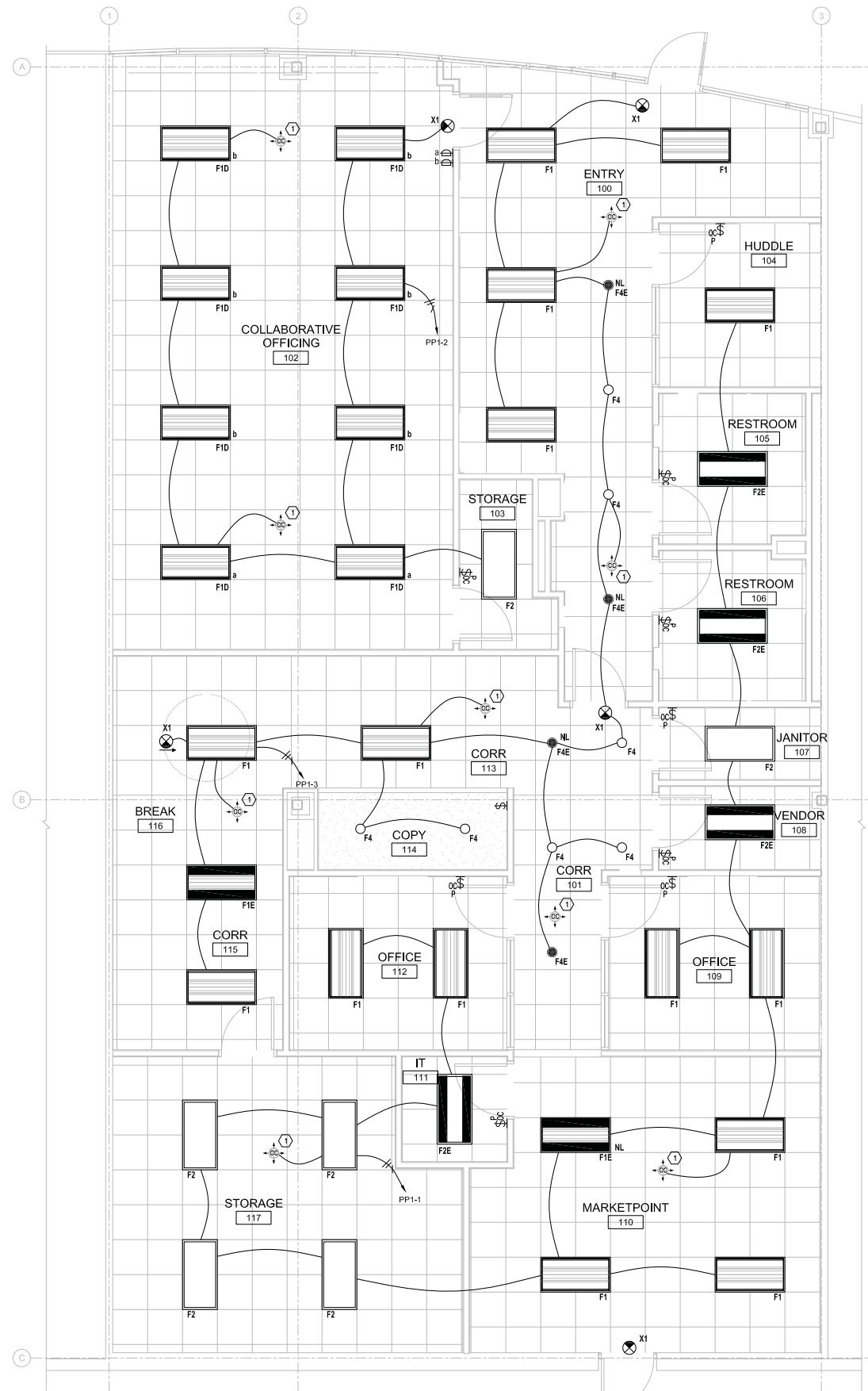
SHEET 2 OF 7

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E100



GENERAL ELECTRICAL NOTES:

A. ALL EXIT SIGNS, EMERGENCY EGRESS LIGHTS AND NIGHT LIGHT FIXTURES SHALL BE CONNECTED TO THE BRANCH CIRCUITS INDICATED AHEAD OF RESPECTIVE CONTROL SWITCH, IN ORDER TO PROVIDE UNSWITCHED SOURCE TO FIXTURES.

ELECTRICAL KEY NOTES:

1. E.C. SHALL PROVIDE AND INSTALL LOW VOLTAGE CEILING MOUNTED OCCUPANCY SENSOR WITH POWER PACK/AUXILIARY RELAY PACK. CONNECT LIGHTING BRANCH CIRCUIT(S) TO OCCUPANCY SENSOR FOR CONTROL.

1 FLOOR PLAN - LIGHTING
1/4" = 1'-0"



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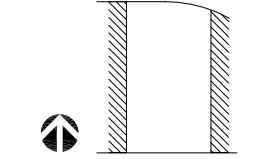
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1	ISSUE FOR PERMIT AND BID	2014.02.03

No.	Revision Description	YYYY-MM-DD
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Drawn by ND Reviewed by WC

Project No 2013-6741

Sheet Title: **FLOOR PLAN - LIGHTING**

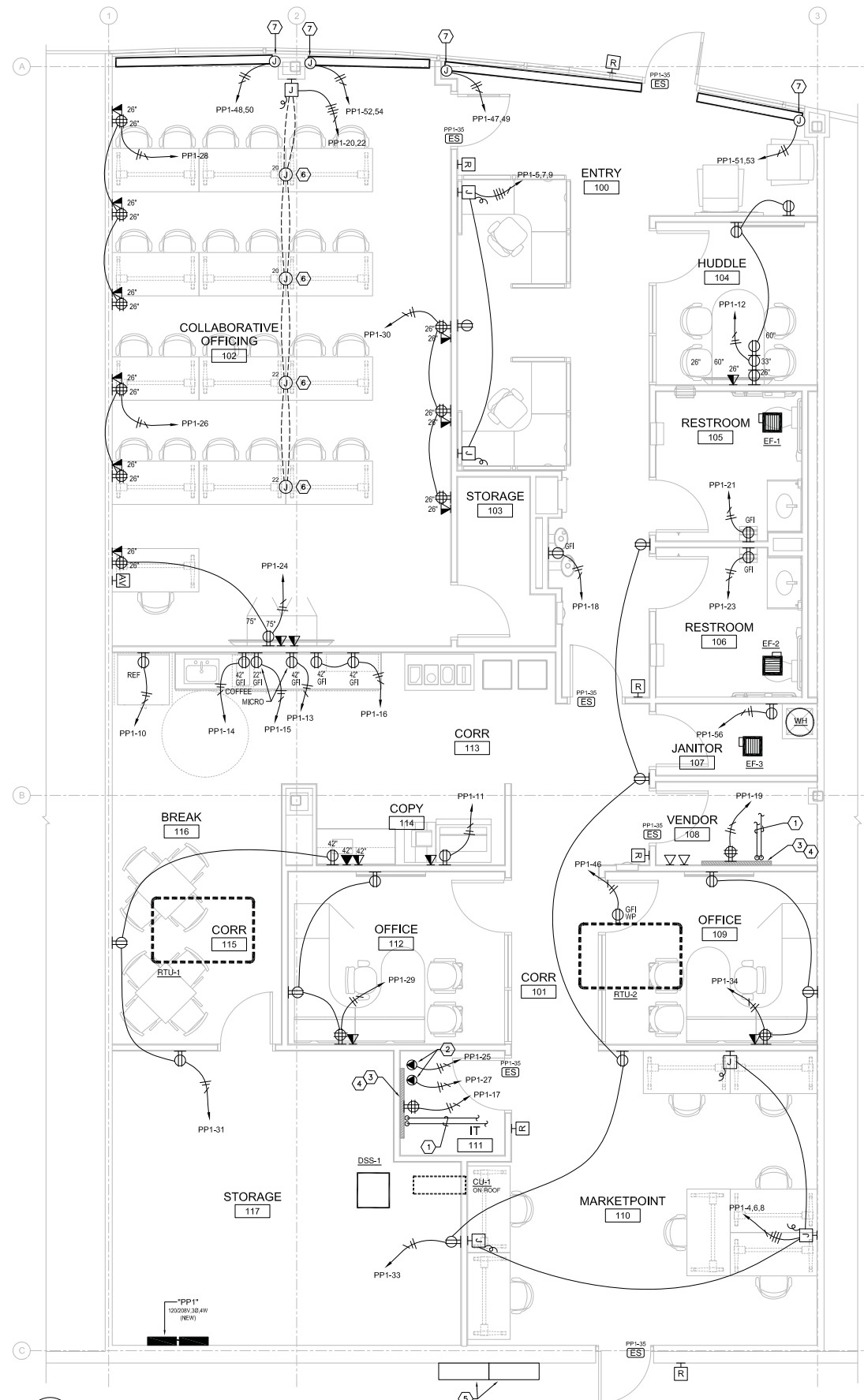
SHEET 3 OF 7

Original drawing is 36 x 24 Do not scale contents of this drawing

Sheet Number

3/7/14 90% REVIEW SET

E101



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

GENERAL ELECTRICAL NOTES:

- A. REFER TO ARCHITECTURAL POWER PLAN, FOR DIMENSIONS TO FLOOR MOUNTED DEVICES.
- B. WIRING DEVICES AND COVERPLATES SHALL BE WHITE IN COLOR.
- C. REFER TO "HVAC/PLUMBING EQUIPMENT CONNECTION SCHEDULE" ON SHEET E201 FOR ADDITIONAL EQUIPMENT CONNECTION INFORMATION.

ELECTRICAL KEY NOTES:

- 1. E.C. SHALL PROVIDE AND INSTALL (2) 2" EMT CONDUITS IN CEILING SPACE TO MAIN TELECOMMUNICATIONS ENTRANCE LOCATION.
- 2. NEMA L5-30R TWISTLOCK RECEPTACLE, OUTLETS ARE TO BE LOCATED BELOW THE WALL MOUNTED RACK AT 18"-24" A.F.F.
- 3. PROVIDE AND INSTALL 4'-0" X 8'-0" X 3/4" FIRE RATED PLYWOOD BACKBOARD.
- 4. E.C. SHALL PROVIDE AND INSTALL 12" X 1/4" X 2" COPPER GROUND BUS WITH INSULATED STAND-OFFS. EXTEND (1) #6 INSULATED GROUNDING CONDUCTOR FROM TELECOMMUNICATION GROUND BUS BACK TO MAIN ELECTRICAL SERVICE GROUND.
- 5. LOCATION OF MAIN SERVICE ENTRANCE AND METER BANK. NEW METER SOCKET SHALL BE PROVIDED AND INSTALLED BY E.C. PER LOCAL UTILITY REQUIREMENTS. REFER TO PARTIAL RISER DIAGRAM, SHEET E201 FOR ADDITIONAL INFORMATION.
- 6. FLUSH MOUNTED DUAL SERVICE FLOOR BOX FOR POWER AND DATA CONNECTIONS - (EQUAL TO WIREMOLD 880 SERIES). PROVIDE WITH QUAD RECEPTACLE, DATA CONNECTIONS PROVIDED BY CABLING CONTRACTOR. PROVIDE WITH SUBPLATES, COVERS, AND DEVICES. PROVIDE (2) 1" E.M.T. CONDUITS WITH PULLSTRING FROM DUAL SERVICE FLOOR BOX, EXTEND TO NEAREST WALL AND STUB UP TO ACCESSIBLE CEILING SPACE FOR CABLE ROUTING TO IT ROOM LOCATION. VOICE/DATA CABLING PROVIDED BY OWNER.
- 7. E.C. SHALL PROVIDE ALTERNATE PRICE FOR THE INSTALLATION OF CONDUIT, WIRING AND FINAL CONNECTION TO ELECTRIC BASEBOARD HEATER (PROVIDED AND INSTALLED BY M.C) AT THIS LOCATION. PROVIDE JUNCTION BOX IN WALL FOR CONNECTION TO BASEBOARD HEATER WITH INTEGRAL DISCONNECT.
- 8. MOUNT RECEPTACLE ABOVE CEILING FOR WATER PIPING HEAT TRACE CABLE.



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Contract No: 13.01656.00



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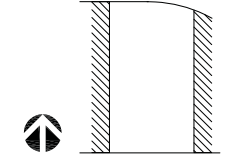
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Key Plan



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Sheet Title:
FLOOR PLAN - POWER & SYSTEMS

SHEET 4 OF 7

Original drawing is 36 x 24. Do not scale contents of this drawing.
Sheet Number

3/7/14 90% REVIEW SET

E102

HVAC/PLUMBING EQUIPMENT CONNECTION SCHEDULE					
EQUIPMENT TAG	LOAD DATA	DISCONNECT	WIRE/CONDUIT	EQUIPMENT LOCATION	REMARKS
RTU-1	23.4 FLA, 208V, 3PH	3/60240/3R/F	(3) #8, (1) #10 GND IN 3/4" C.	ROOF	
RTU-2	23.4 FLA, 208V, 3PH	3/60240/3R/F	(3) #8, (1) #10 GND IN 3/4" C.	ROOF	
DSS-1/CLJ-1	3.7 FLA, 208V, 1PH	2/30240/3R/F	(2) #12, (1) #12 GND IN 3/4" C.	1.T. 111/ROOF	1
EF-1	65W, 120V, 1PH	MTS	(2) #12, (1) #12 GND IN 3/4" C.	RESTRM 105	
EF-2	65W, 120V, 1PH	MTS	(2) #12, (1) #12 GND IN 3/4" C.	RESTRM 106	
EF-3	65W, 120V, 1PH	MTS	(2) #12, (1) #12 GND IN 3/4" C.	JANITOR 107	
WH-1	6.9KW, 208V, 1PH	2/60240/1/F	(2) #8, (1) #10 GND IN 3/4" C.	JANITOR 107	

NOTES:
A. E.C. SHALL PROVIDE FUSES WITHIN ALL DISCONNECT SWITCHES AS PER UNIT NAMEPLATE RATING.
B. E.C. SHALL VERIFY EXACT MOUNTING LOCATION AND CONNECTION REQUIREMENTS FOR ALL MECHANICAL EQUIPMENT WITH M.C. PRIOR TO ROUGH-IN.
C. E.C. SHALL VERIFY EXACT MOUNTING LOCATION AND CONNECTION REQUIREMENTS FOR ALL PLUMBING EQUIPMENT WITH P.C. PRIOR TO ROUGH-IN.
D. "MTS" = MOTOR RATED TOGGLE SWITCH
E. EQUIPMENT DISCONNECT SWITCH DESIGNATED AS:

SCHEDULE NOTES:
1. FURNISH CONNECTION TO OUTSIDE CONDENSER UNIT AND CONNECTION FROM CONDENSER TO INDOOR FAN MOTOR ON AIR HANDLER. PROVIDE MOTOR RATED SWITCH FOR INDOOR UNIT.
2. PROVIDE WITH DUCT TYPE SMOKE DETECTOR AND REMOTE TEST STATION.

PANEL SCHEDULE															
PANEL:		PP1		VOLTAGE: 120 / 208		AMP: 225A		PHASE: 3		WIRE: 4					
AEC:		22,000		MID		SURFACE									
TYPE OF MAIN:		LIGHTING (L) RECEPTACLE (R) EQUIPMENT (EQ) KITCHEN (K) ELEC. HEAT (EH) ELEC. COOLING (EC) HEATING & COOLING (HC) CONTINUOUS (CL)		MOUNTING:		SPACE / SPARE (SP)									
CRK. NO.	OPTION S	TYPE	SERVICE DESCRIPTION	CRK. WATTS	A	B	C	SP	A	WATTS	SERVICE DESCRIPTION	TYPE	CRK. NO.		
1		L	LIGHTING	1008	20	1	1530		1	20	522 LIGHTING	L	2		
2		L	LIGHTING	816	20	1	1536		3	20	720 SYSTEM FURNITURE	R	4		
3		R	SYSTEM FURNITURE	720	20	3			1440	--	720 SYSTEM FURNITURE	R	6		
4		R	SYSTEM FURNITURE	720	--	--	1440		--	--	720 SYSTEM FURNITURE	R	8		
5		R	SYSTEM FURNITURE	720	--	--	1120		1	20	400 U.C. REFRIGERATOR	EQ	10		
6		EQ	COPIER	1350	20	1			2250	1	20	900 RECEP.TS - 104	R	12	
7		EQ	MICROWAVE	1000	20	1	2250			1	20	1200 COFFEE MAKER	EQ	14	
8		EQ	MICROWAVE	1000	20	1			1360	1	20	360 COUNTER RECEP.TS	R	16	
9		R	COMM. BOARD - IT 109	360	20	1			1360	1	20	1000 WATER COOLER	EQ	18	
10		R	COMM. BOARD - VENDOR 108	360	20	1	1080			1	20	720 FLOOR RECEP.TS - 102	R	20	
11		R	RECEP.TS - 105	180	20	1			900	1	20	720 FLOOR RECEP.TS - 102	R	22	
12		R	RECEP.TS - 106	180	20	1			720	1	20	540 RECEP.TS - 102	R	24	
13		EQ	DATA RACK RECEPT	3000	30	1	3720			1	20	720 RECEP.TS - 102	R	26	
14		EQ	DATA RACK RECEPT	3000	30	1	4080			1	20	1080 RECEP.TS - 102	R	28	
15		R	RECEP.TS - 112	720	20	1			1800	1	20	1080 RECEP.TS - 102	R	30	
16		R	RECEP.TS - 114,116,117	540	20	1	735			1	20	595 EF-1, EF-2, EF-3	SP	32	
17		R	RECEP.TS - 117,101,110	720	20	1	1440			1	20	720 RECEP.TS - 109	R	34	
18		EQ	DOOR CONTROLS/ 6-STRIKES	1000	20	1			4000	2	40	3000 WH-1	EQ	36	
19		HACK EC	RTU-1 (5 TON)	2808	40	3	5808			--	--	3000	EC	38	
20		EC	-----	2808	--	--	5816			3	40	2808 RTU-2 (5 TON)	EC	40	
21		EC	-----	2808	--	--	5816			--	--	2808	EC	42	
22		HACK EQ	DSS-1/CLJ-1	447	20	3	3255			--	--	2808	EC	44	
23		EQ	-----	447	--	--	627			1	20	180 ROOF RECEPT	R	46	
24		EH	BASEBOARD HEATER (ALTERNATE)	1125	20	2			2250	2	20	1125 BASEBOARD HEATER (ALTERNATE)	EH	48	
25		EH	-----	1125	--	--	2250			--	--	1125	EH	50	
26		EH	BASEBOARD HEATER (ALTERNATE)	1125	20	2	2250			3	20	1125 BASEBOARD HEATER (ALTERNATE)	EH	52	
27		EH	-----	1125	--	--	2250			2250	--	--	1125	EH	54
28		SP	SPARE	20	1	1000				1	20	1000 HEAT TRACE	EQ	56	
29		SP	SPARE	20	1					1	20	SPARE	SP	58	
30		SP	SPARE	20	1					1	20	SPARE	SP	60	

DEMAND CALCULATION

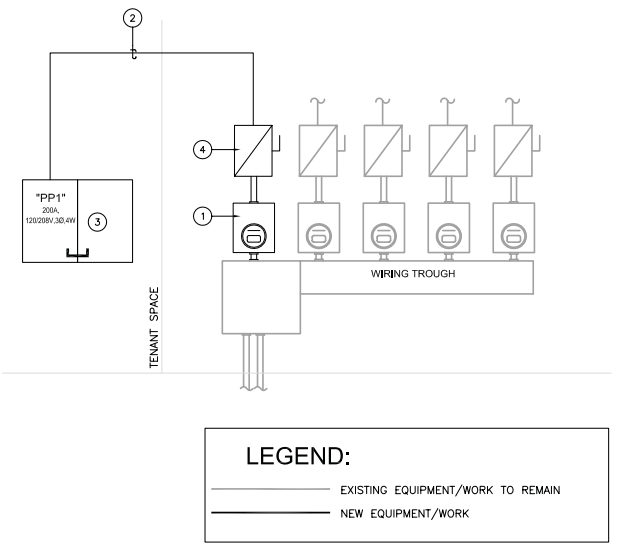
LIGHTING (L)	2346W x 120% = 2933 W	TOTAL LOAD WATTS	18925	23894	
RECEPT (R)	15400W (100%) / 21.100W = 12260 W	CONNECTED LOAD	63883 W		
EQUIPMENT (EQ)	20844W x 100% = 20844 W	DEMAND LOAD:	52875 W		
RECHGR (R)					
ELEC. HEAT (EH)	9000W x 100% = 9000 W				
ELEC. COOL (EC)	16888W x 100% = 16888 W				
HEAT & COOL (HC)					
CONTINUOUS (CL)					

TOTAL LOAD AMPS: 176.37 A
CONNECTED LOAD: 148.76 A

AS - POWERLINE AS BREAKER
LO - HANDLE LOCK-ON DEVICE
ST - SHUNT TRIP TYPE
AUX - AUXILIARY CONTACTS
EX - SHALL REUSE EXISTING CIRCUIT BREAKER
R - REMOVE EXISTING CIRCUIT

BREAKER OPTIONS:
GFCL - GROUND FAULT CIRCUIT INTERRUPTER
HACK - HEATING, A/C & REFRIGERATION
RF - REFRIG
ACF - ARC FAULT BREAKER
N - PROVIDE NEW CIRCUIT BREAKER

- ONE-LINE KEY NOTES**
- NEW 3P, 200 AMP, METER SOCKET.
 - NEW FEEDER FROM METER LOCATION - (4) #3/0, #6 GND IN 2" CONDUIT.
 - NEW 3P, 200AMP 208/120V PANELBOARD.
 - NEW 3P, 200AMP NEMA 3R SERVICE RATED FUSED DISCONNECT.



1 PARTIAL ONE-LINE RISER DIAGRAM
NO SCALE



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Key Plan

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Sheet Title:
ELECTRICAL
SCHEDULES AND
ONE-LINE
SHEET 5 OF 7

Original drawing is 36 x 24. Do not scale contents of this drawing.
Sheet Number

3/7/14 90% REVIEW SET

E201

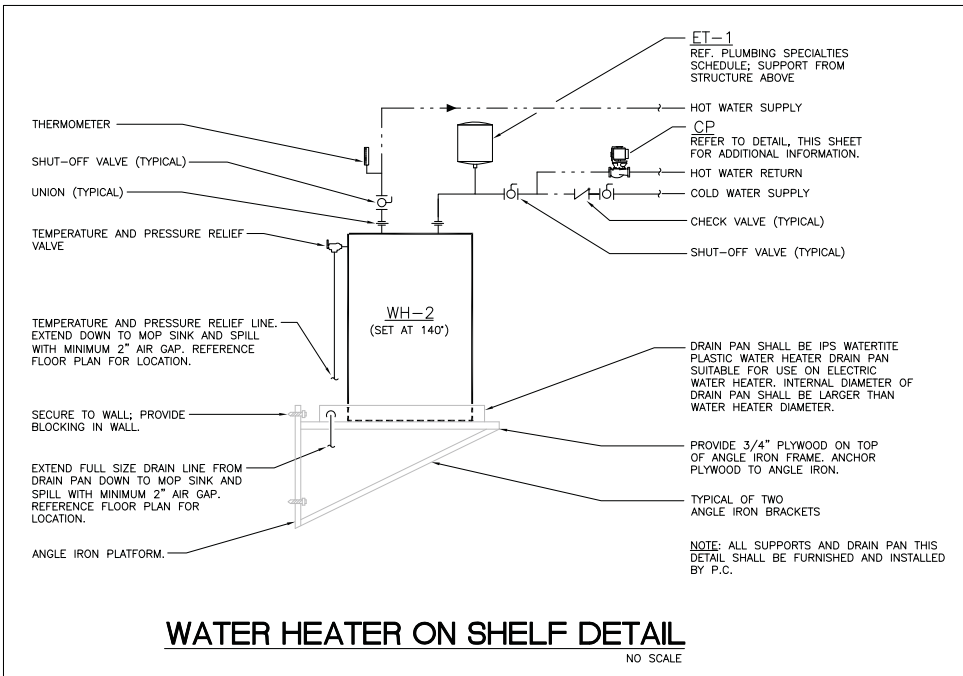
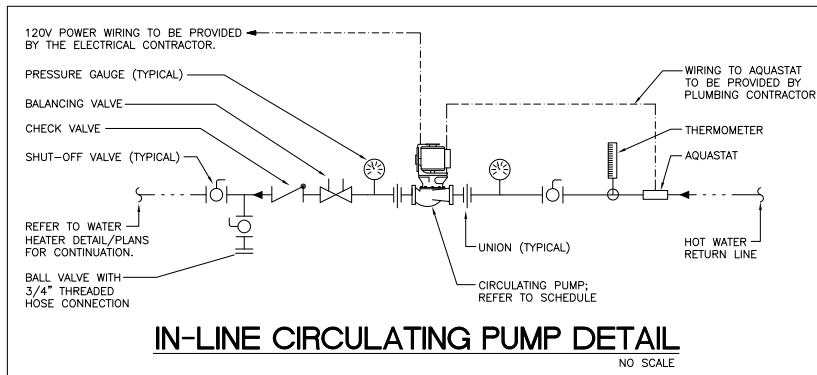
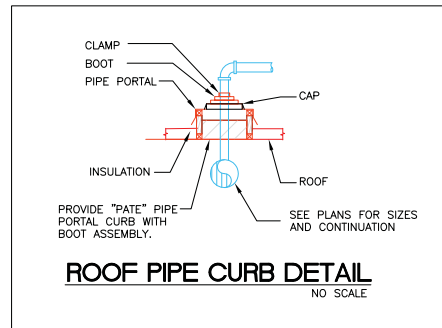
PLUMBING FIXTURE/EQUIPMENT SCHEDULE

DESIGNATION	MANUFACTURER AND MODEL	TYPE	TRIM	PIPE SIZES				MOUNTING	REMARKS
				CW	HW	WASTE	VENT		
S	ELKAY, GECR25213	SINGLE BOWL, ADA, NICKEL BEARING STAINLESS STEEL SINK WITH (3) 4" CENTER SET FAUCET HOLES AND OFF-CENTER DRAIN.	PROVIDE WITH A DELTA 27C2923, 1.5 GPM, GOOSENECK FAUCET WITH SWING SPOUT AND LEVER BLADE HANDLE CONTROL. 3/8" CHROME SUPPLIES, STOPS, 1-1/2" P-TRAP AND BASKET STRAINER. LEAD FREE COMPLIANT.	1/2"	1/2"	1-1/2"	1-1/2"	COUNTER	PROVIDE A POINT OF USE THERMOSTATIC MIXING VALVE WITH CHECK STOPS SET AT 120° OUTLET TEMPERATURE.
HC	ZURN, Z5530 OR EQUAL	1.6 GPF ADA ELONGATED, SIPHON JET TWO-PIECE TANK TYPE WATER CLOSURE.	ELONGATED OPEN FRONT SEAT LESS COVER.	3/4"	-	3"	1-1/2"	FLOOR	
HL	AMERICAN STANDARD, COMRADE	20"x17" VITREOUS CHINA, COUNTERTOP LAVATORY WITH 4" CENTER SET FAUCET HOLES.	EQUAL TO TECHNICAL CONCEPTS MILANO TC401818 AUTO CHROME FAUCET WITH SURROUND SENSOR TECHNOLOGY, 3/8" CHROME SUPPLIES, STOPS, 1-1/2" P-TRAP AND GRID STRAINER DRAIN. LEAD FREE COMPLIANT.	1/2"	1/2"	1-1/2"	1-1/2"	WALL	PROVIDE A POINT OF USE THERMOSTATIC MIXING VALVE WITH CHECK STOPS SET AT 110° OUTLET TEMPERATURE.
DEWC	ELKAY, EZSTLRBC	BI-LEVEL, ADA, REFRIGERATED ELECTRIC WATER COOLER WITH EASY TOUCH CONROLS.	3/8" CHROME SUPPLY, STOP AND 1-1/2" P-TRAP	1/2"	-	1-1/2"	1-1/2"	WALL	
WH	A.O. SMITH, DEL-40	40 GALLON ELECTRIC, WATER HEATER, WITH NON-SIMULTANEOUS ELEMENT, 6.0 KW, 208 VOLT, SINGLE PHASE, 24 GPH @ 100° RISE.	-	1/2"	1/2"	-	-	ABOVE MOP SINK	
HB	SIMILAR TO WOODFORD, 24P-1/2	HOSE BIBB	CHROME PLATED CASTING WITH CHROME PLATED VACUUM BREAKER, POLISHED CHROME LOOSE KEY HANDLE, 1/2" FPT INLET SIZE WITH STANDARD GARDEN HOSE THREADS.	1/2"	-	-	-	WALL	
MS	FIAT, MSB2424	24"x24"x10" MOLDED STONE MOP SERVICE BASIN	FIAT, 830-AA FAUCET WITH VACUUM BREAKER, PAIL HOOK.	1/2"	1/2"	3"	1-1/2"	FLOOR	

1. ALL VITREOUS FIXTURES SHALL BE BEST QUALITY, REGULAR SELECTION, VITREOUS CHINA THOROUGHLY FUSED AND VITRIFIED, PRODUCING A MATERIAL WHICH WHEN FRACTURED SHALL SHOW A HOMOGENEOUS MASS WITH CLOSE GRAIN AND FREEDOM FROM PORES. ALL SURFACES COMING IN CONTACT WITH WALLS, FLOORS OR SURFACES OF OTHER FIXTURES SHALL BE REASONABLY FLAT.
2. ALL FIXTURES REQUIRING BOTH HOT AND COLD WATER SHALL HAVE THE COLD WATER FAUCET ON THE RIGHT-HAND SIDE OF THE FIXTURE AND THE HOT WATER FAUCET ON THE LEFT-HAND SIDE OF THE FIXTURE.
3. ALL FIXTURES SHALL BE SECURELY SUPPORTED SO THAT NO STRAIN IS PLACED ON THE CONNECTED PIPING.
4. PROVIDE FIXTURES COMPLETE WITH SOIL, WASTE AND VENT CONNECTIONS, FAUCETS, TRAPS, HOT AND COLD WATER SUPPLIES, HANGERS, CARRIERS, BRACKETS AND OTHER WORK NECESSARY TO MAKE COMPLETE INSTALLATION.
5. MINIMUM TRAP SIZE FOR ALL LAVATORIES AND SINKS SHALL BE 1-1/2".
6. ALL HANDICAP TYPE FIXTURES SHALL COMPLY WITH THE AMERICAN DISABILITIES ACT.
7. NOTE TO PLUMBING CONTRACTOR: COORDINATE SINKS WITH COUNTERTOP CONSTRUCTION. ADVISE GENERAL CONTRACTOR THAT BACK SPLASH MUST REST ON TOP OF COUNTERTOP AND NOT BE BUTTED TO IT.
8. FIXTURE SCHEDULE - WHERE ZURN FIXTURES ARE SPECIFIED, FIXTURES BY KOHLER, AMERICAN STANDARD OR SLOAN WILL BE ACCEPTABLE, PROVIDED THEY ARE EQUAL IN ALL RESPECTS.

PLUMBING SPECIALTIES

DESIGNATION	MANUFACTURER AND MODEL	TYPE	MATERIAL	MOUNTING	REMARKS
TV	POWERS, E480	TEMPERING VALVE	BRONZE	WALL	PROVIDE WITH WALL MOUNTING BRACKET. LEAD FREE COMPLIANT.
IMC	WATER-TITE, 9700	ICE MAKER OUTLET BOX	PLASTIC	WALL	PROVIDE WITH QUARTER TURN BALL VALVE AT OUTLET; PROVIDE METAL BOX WHERE LOCATED IN FIRE RATED WALL. BOX TO BE CONCEALED BEHIND REFRIGERATOR.
CMC	IPS CORP., FR-12	COFFEE MAKER OUTLET BOX	METAL BOX, WITH 1/2" SWEAT CONNECTION AND 1/4 TURN BALL VALVE	WALL	BOX TO BE LOCATED ABOVE TOP EDGE OF COUNTERTOP; VERIFY WITH OWNER/ARCHITECT PRIOR TO INSTALLATION.
FD	ZURN, ZN-415B	3" CAST IRON FLOOR DRAIN	3" CONNECTION, 6" DIA. TYPE "B" NICKLE BRONZE STRAINER	FLOOR	
ET-1	AMTROL, ST-5	EXPANSION TANK	-	PIPE	2.0 GALLON CAPACITY; SUPPORT FROM STRUCTURE
CP-1	TACO, 003	CIRCULATING PUMP	BRONZE	PIPE	115V, 1/40HP, 1 PHASE 2 GPM AT 4 FEET HEAD



GENERAL PLUMBING NOTES

- A. THE PLUMBING CONTRACTOR SHALL MAKE CONTACT WITH ALL APPLICABLE LOCAL UTILITY COMPANIES FOR ACTUAL LOCATION OF CONNECTION POINTS AND INCLUDE ALL FEES, PERMITS, ETC. IN BID PRICE.
- B. THE PLUMBING CONTRACTOR SHALL DETERMINE NECESSARY INVERT ELEVATIONS FOR PROPER DRAINAGE AND CONNECTION INTO SEWERS. ALL INVERT ELEVATIONS SHALL BE SET PRIOR TO INSTALLATION.
- C. THE PLUMBING CONTRACTOR SHALL PROVIDE ALL ITEMS, ARTICLES AND MATERIALS AS REQUIRED, INCLUDING ALL LABOR AND INCIDENTALS NECESSARY FOR A COMPLETE PLUMBING INSTALLATION.
- D. THE PLUMBING CONTRACTOR SHALL CLEAN ALL FIXTURES, POLISH ALL METAL PARTS, CHECK AND ADJUST ALL FITTINGS, FAUCETS AND VALVES. ALL OPERATING INSTRUCTIONS SHALL BE TURNED OVER TO THE GENERAL CONTRACTOR FOR PRESENTATION TO THE OWNER.
- E. UNLESS OTHERWISE NOTED, ALL PIPING INCLUDING NATURAL GAS, SOIL, WASTE AND VENT, COLD AND HOT WATER SHALL BE CONCEALED WITHIN THE BUILDING STRUCTURE. NATURAL GAS PIPING SHALL NOT BE ROUTED BELOW CONCRETE SLAB ON GRADE WITHIN BUILDINGS.
- F. ALL PIPING PASSING THROUGH FIRE RATED OR FIRE AND SMOKE RATED ASSEMBLIES SHALL BE SLEEVED AND FIRE STOPPED. FIRESTOPPING SHALL COMPLY WITH U.L. LISTING AND REQUIREMENTS FOR ASSEMBLY TYPE BEING PENETRATED.
- G. PLUMBING CONTRACTOR SHALL NOT CORE DRILL OR DISTURB ANY STRUCTURAL MEMBERS WITHOUT WRITTEN AUTHORIZATION BY THE ARCHITECT AND/OR STRUCTURAL ENGINEER.
- H. PLUMBING CONTRACTOR SHALL COORDINATE PIPING LOCATIONS AND ROUTING WITH THE FIRE PROTECTION PIPING, HVAC DUCTWORK AND ELECTRICAL CONDUIT INSTALLATIONS. PLUMBING CONTRACTOR SHALL REVIEW THE ARCHITECTURAL DRAWINGS TO ESTABLISH WHERE FURR-DOWNS AND SOFFITS OCCUR AND DIMENSIONS OF SAME SO THAT DISTANCES AND PIPE ROUTING CAN BE PROPERLY COORDINATED. ALL PIPING SHALL BE ROUTED IN A CONCEALED MANNER.
- I. PLUMBING CONTRACTOR SHALL AVOID LOCATING COLD/HOT WATER PIPING IN LOCATIONS WHERE POSSIBILITY OF FREEZING OF SAME EXISTS. CONTRACTOR SHALL ADVISE ENGINEER WHERE THIS CONDITION MAY OCCUR PRIOR TO ROUGH-IN.
- J. ALL ADA ACCESSIBLE LAVATORIES AND SINKS WITH EXPOSED WATER AND DRAIN PIPES SHALL BE INSULATED TO PROTECT AGAINST CONTACT PER ADA REQUIREMENTS. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES.
- K. PLUMBING CONTRACTOR SHALL SEAL ALL EXTERIOR WALL AND FOUNDATION PENETRATIONS IN WATER-TIGHT MANNER. CUTTING FOR INSTALLATION SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR AND ARCHITECT PRIOR TO COMMENCING WORK.
- L. LOCATE AND INSTALL WATER HAMMER ARRESTERS PER PLUMBING AND DRAINAGE INSTITUTE STANDARD PD-WH 201 FOR ALL FLUSH VALVE FIXTURES WHETHER SHOWN OR NOT ON THE DRAWINGS. PROVIDE ARRESTORS AT ALL EQUIPMENT WHICH HAVE QUICK CLOSING VALVES, INCLUDING COMMERCIAL WASHERS AND DISHWASHERS. ARRESTORS SHALL BE EQUAL TO ZURN Z-1700 AND SHALL BE READILY ACCESSIBLE FOR SERVICING.
- M. PLASTIC PIPING SHALL NOT BE INSTALLED IN A RETURN AIR PLENUM. COORDINATE PLENUM LOCATIONS WITH THE HVAC CONTRACTOR PRIOR TO SUBMITTING BID.
- N. WHERE USED, THE TERM "PROVIDE" SHALL MEAN TO "FURNISH AND INSTALL".
- O. ALL PLUMBING WORK SHALL BE INSTALLED IN COMPLIANCE WITH ALL STATE AND LOCAL CODES.
- P. PLUMBING VENT THROUGH ROOF LOCATIONS SHALL BE COORDINATED WITH THE HVAC CONTRACTOR. CLEARANCES TO OUTSIDE AIR INTAKES AND HVAC EQUIPMENT SHALL BE MAINTAINED PER ALL STATE, LOCAL AND HEALTH CARE REGULATIONS.
- Q. ALL WATER CLOSET FLUSHING MECHANISMS ON HANDICAP WATER CLOSETS SHALL BE INSTALLED ON THE "WIDE SIDE" OF EACH WATER CLOSET TO MAINTAIN ADA ACCESSIBILITY.
- R. COORDINATE ALL ROUTING OF ALL PIPING WITH THE ELECTRICAL CONTRACTOR SO AS NOT TO ROUTE ANY PIPING DIRECTLY OVER ELECTRICAL PANELS, SWITCHGEAR, ETC.
- S. WHERE APPLICABLE, THE EXISTING CONDITIONS INDICATED ON THESE PLANS SHALL BE VERIFIED IN THE FIELD FOR EXACT LOCATIONS, QUANTITY AND PIPE SIZES. ANY DIFFERENCES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER/ARCHITECT.
- T. PROVIDE GAS PIPING COMPLETE WITH ALL REQUIRED FITTINGS, STRAPS HANGERS SUPPORTS, SHUT-OFF VALVES, ETC. OBTAIN ALL REQUIRED INSPECTIONS AND APPROVALS. WHERE GAS PIPING CONNECTS TO EQUIPMENT, IT SHALL BE PROVIDED WITH A SEDIMENT LEG THE FULL SIZE OF THE SUPPLY PIPE. A 100% SHUT OFF GAS COCK AND UNION. ALL GAS PIPING SHALL BE SCHEDULE 40 BLACK STEEL AND SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF NFPA 54 AND ALL APPLICABLE STATE OR LOCAL CODES OR REGULATIONS. FINAL CONNECTION TO ALL GAS FIRED EQUIPMENT SHALL BE BY THE PLUMBING CONTRACTOR.
- U. ALL PLUMBING COMPONENTS THAT ARE INSTALLED BY THE PLUMBING CONTRACTOR, TO CONVEY OR DISPENSE POTABLE WATER, SHALL BE IN COMPLIANCE WITH FEDERAL AND STATE REGULATIONS WHICH REGULATE LEAD FREE INSTALLATIONS. THE PLUMBING CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST AND REPLACEMENT OF ANY NON-COMPLIANT COMPONENTS AND/OR PRODUCTS.

NOTE: THE SUBCONTRACTORS SHALL COORDINATE WITH THE GENERAL CONTRACTOR ANY WORK THAT WILL BE REQUIRED TO BE DONE AFTER NORMAL WORKING HOURS PRIOR TO SUBMITTING BID.

NOTE: VERIFY AND COORDINATE ALL EXISTING CONDITIONS OF BUILDING IN FIELD PRIOR TO BEGINNING ANY WORK. PC SHALL COORDINATE THIS WORK WITH GC.

- OWNER PROJECT REQUIREMENT:**
- EXISTING PLUMBING, FIRE PROTECTION, ELECTRICAL AND H.V.A.C. SHALL BE RENOVATED TO ACCOMMODATE HUMANA'S DESIGN SPECIFICATIONS.
- BASIS OF DESIGN:**
- PROVIDE WASTE, VENT, AND WATER CONNECTIONS FOR NEW FIXTURES. EXTEND AND CONNECT TO EXISTING.
 - REWORK SPRINKLER HEADS AND PIPING TO ACCOMMODATE NEW CEILING LAYOUT.
- CODE REFERENCE:**
- 2009 INTERNATIONAL PLUMBING CODE WITH LOCAL AMENDMENTS (2012 MEMPHIS AND SHELBY COUNTY PLUMBING CODE)
 - 2009 INTERNATIONAL BUILDING CODE WITH LOCAL AMENDMENTS (2012 MEMPHIS AND SHELBY COUNTY EXISTING BUILDING CODE)
 - 2009 INTERNATIONAL EXISTING BUILDING CODE WITH LOCAL AMENDMENTS (2012 MEMPHIS AND SHELBY COUNTY PLUMBING CODE)
 - 2002 NFPA 13 SPRINKLER SYSTEMS



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Memphis, TN 38119

Prepared for
Humana, Inc.

Contract No: 13.01656.00

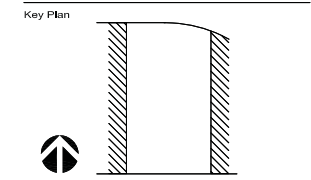


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No.	Issue Description	YYYY-MM-DD
1	ISSUE FOR PERMIT AND BID	2014.02.03

No.	Revision Description	YYYY-MM-DD
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Drawn by JWW Reviewed by BG/SS

Project No 2013-6741

Sheet Title:
**PLUMBING & FIRE
PROTECTION NOTES &
DETAILS**
SHEET 1 OF 7

Original drawing is 36 x 24. Do not scale contents of this drawing.
Sheet Number

PFP001

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Jenny Whilbeck, Kerr-Greulich Engineers



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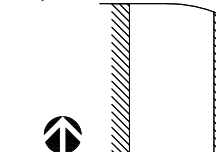
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Project No 2013-6741

Sheet Title:
**FIRE PROTECTION NOTES,
DETAILS & RISERS**

SHEET 2 OF 7

Original drawing is 36 x 24 Do not scale contents of this drawing
Sheet Number

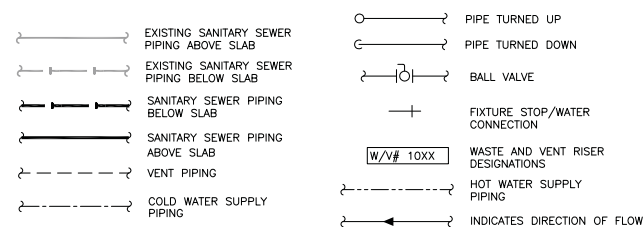
PFP002

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GENERAL FIRE PROTECTION NOTES

- A. WHERE PIPING PASSES THRU WALLS BELOW GRADE CONTRACTOR SHALL PROVIDE PIPE SLEEVE AND SEAL PENETRATION WATER-TIGHT.
- B. CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETE FIRE PROTECTION SYSTEM TO PROVIDE COVERAGE FOR THE ENTIRE PREMISES. INCLUDE ALL PIPING AND ACCESSORIES PER THE REQUIREMENTS OF ALL APPLICABLE CODES, NFPA-13, NFPA-14, NFPA 25 AND OWNER'S FIRE AND CASUALTY INSURER IF APPLICABLE.
- C. CONTRACTOR SHALL COORDINATE FIRE PROTECTION PIPING ROUTING SO AS NOT TO INTERFERE WITH OTHER TRADES, NEW CEILINGS OR STRUCTURE.
- D. FIRE PROTECTION PIPING SYSTEMS SHALL BE FLUSHED, TESTED AND INSPECTED IN ACCORDANCE WITH NFPA 13 AND NFPA 25. DEMONSTRATE THAT ALL PARTS ARE WORKING PROPERLY.
- E. HANGERS AND SUPPORTS SHALL BE NFPA APPROVED FOR CONSTRUCTION USE. ALSO, SAME SHALL MEET NFPA AND PIPE MANUFACTURER'S REQUIREMENTS FOR INSTALLATION, LOCATIONS AND SPACING. WHERE REQUIRED, HANGERS AND SUPPORTS SHALL BE RATED AND INSTALLED FOR SEISMIC REQUIREMENTS.
- F. FIRE PROTECTION PIPING, ABOVE GROUND AND INSIDE BUILDING, SHALL BE STEEL, NEW, CONFORMING TO NFPA SPECIFICATIONS, AND HAVE THE MANUFACTURER'S NAME OR BRAND ALONG WITH THE PIPE APPLICABLE ASTM STANDARD MARKED ON EACH LENGTH OF PIPE. REFER TO SPECIFICATIONS FOR PIPE SCHEDULE.
- G. DRAINS, DRAIN VALVES, FLUSHING CONNECTIONS, TEST CONNECTIONS, GAUGES, GUARDS, SHIELDS, AND SIMILAR ITEMS NECESSARY TO COMPLY WITH APPLICABLE CODES, STANDARDS AND/OR NFPA-13 SHALL BE FURNISHED AND INSTALLED.
- H. WHERE LAY-IN ACOUSTICAL TILE CEILINGS OCCUR, SPRINKLER HEADS SHALL BE CENTERED IN CEILING TILES (QUARTER POINTED IN FOUR (4) FOOT DIMENSION WHERE APPLICABLE), SYMMETRICAL WITH MECHANICAL, ELECTRICAL AND ALL OTHER BUILDING COMPONENTS.
- I. CONTRACTOR SHALL SUBMIT A COPY OF AS-BUILT DRAWINGS TO GENERAL CONTRACTOR AFTER COMPLETION OF WORK.
- J. WHERE REQUIRED BY LOCAL AND STATE CODES, CONTRACTOR SHALL FURNISH AND INSTALL DEFLECTOR SHIELD ON SPRINKLER HEADS ADJACENT TO ELECTRIC PANELS, TELEPHONE BOARDS AND ELECTRICAL EQUIPMENT.
- K. PRIOR TO INSTALLATION, CONTRACTOR SHALL SUBMIT PRINTS OF FIRE PROTECTION DESIGN TO OWNERS FIRE AND CASUALTY INSURER FOR APPROVAL. CONTRACTOR SHALL OBTAIN ALL APPROVALS FROM APPLICABLE STATE AND LOCAL AUTHORITIES. CONTRACTOR SHALL ALSO SUBMIT FIRE PROTECTION DESIGN TO ARCHITECT AND ENGINEER FOR REVIEW.
- L. UPON COMPLETION OF ALL FIRE PROTECTION SYSTEMS TESTS, CONTRACTOR SHALL SUBMIT A WRITTEN CERTIFICATE FROM THE UNDERWRITER STATING THE FIRE PROTECTION SYSTEMS WERE INSPECTED AND APPROVED.
- M. ALL PIPING SHALL BE CONCEALED, WHERE APPLICABLE AND PITCHED FOR POSITIVE DRAINAGE.
- N. COORDINATE SPRINKLER HEAD PLACEMENT WITH LIGHTS AND DIFFUSERS. WHEN SUBMITTING SHOP DRAWINGS OF LAYOUT, LOCATE EACH SPRINKLER HEAD SO AS NOT TO CONFLICT WITH LIGHTS OR DIFFUSERS.
- O. SPRINKLER CONTRACTOR SHALL INCLUDE NECESSARY ARCHITECTURAL ACCESS DOORS WITH APPROPRIATE FIRE RATING AND SHALL MATCH ARCHITECTURAL FINISH WHERE NECESSARY FOR ACCESS TO VALVES, ETC. THESE ACCESS DOORS SHALL BE INDICATED ON SHOP DRAWINGS.
- P. CONTRACTOR SHALL REFER TO ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATION OF DEVICES THAT MAY INTERFERE WITH SPRINKLER INSTALLATION.
- Q. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL DRAWINGS FOR AREAS WITH ATTICS AND UNINSULATED SPACES.
- R. PIPING PASSING THROUGH FIRE RATED SURFACES SHALL BE PROVIDED WITH SCHEDULE 40 CARBON STEEL SLEEVES FIRESTOPPED WITH FIRE SEALANT APPROVED BY AUTHORITY HAVING JURISDICTION FOR ASSEMBLY BEING PENETRATED.
- S. NO PIPING SHALL BE ROUTED DIRECTLY BELOW ROOF/ATTIC ACCESS DOORS. REFERENCE ARCHITECTURAL DRAWINGS FOR ROOF/ATTIC ACCESS DOORS.
- T. WHERE SIDEWALL SPRINKLER HEADS ARE INSTALLED THRU WALL/SOFFIT, CONTRACTOR SHALL INSTALL ESCUTCHEON PLATES FLUSH WITH WALL/SOFFIT.
- U. REFER TO ELECTRICAL DRAWINGS FOR LOCATION OF ALL ELECTRICAL PANELS, DISCONNECT SWITCHES AND TRANSFORMERS; DO NOT ROUTE FIRE PROTECTION PIPING ACROSS THE TOP OF SAME.
- V. ALL CEILING CAVITIES WITH COMBUSTIBLE CONSTRUCTION MATERIALS SHALL BE PROVIDED WITH SPRINKLER COVERAGE WHERE REQUIRED BY NFPA-13, STATE AND LOCAL CODES.
- W. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL FIRE RATED WALL AND CEILING INFORMATION.

PLUMBING SYMBOLS LEGEND



ABBREVIATION LEGEND

CMC — COFFEE MAKER CONNECTION	NIC — NOT IN CONTRACT
CW — COLD WATER	PC — PLUMBING CONTRACTOR
EX — EXISTING	RAC — ROUTE ABOVE CEILING
FD — FLOOR DRAIN	RAF — ROUTE ABOVE FLOOR
FPC — FIRE PROTECTION CONTRACTOR	S — SINK
HB — HOSE BIBB	TP — TRAP PRIMER
HC — HANDICAP WATER CLOSET	TV — TEMPERING VALVE
HL — HANDICAP LAVATORY	TYP — TYPICAL
HD — HUB DRAIN	WH — WATER HEATER
HW — HOT WATER	
IMC — ICE MAKER CONNECTION	
MS — MOP SINK	

SPRINKLER HEAD SCHEDULE

DESCRIPTION	REMARKS
WHITE SEMI-RECESSED TYPE SPRINKLER HEADS	THROUGHOUT ALL SPACES WITH CEILINGS

NOTES

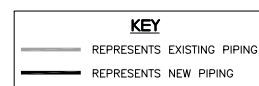
- SPRINKLER HEAD STYLE SHALL BE AS INDICATED OR AS REQUIRED BY THE APPLICATION. UNLESS NOTED OR INDICATED OTHERWISE, PROVIDE WHITE FINISH IN PUBLIC AREAS AND BRASS FINISH IN NON-PUBLIC AREAS.
- PROVIDE EXTENDED COVERAGE (EC) TYPE SPRINKLER HEADS WHERE REQUIRED BY THE APPLICATION.
- PROVIDE ESCUTCHEONS FOR ALL SPRINKLER HEADS OR PIPING WHERE SAME PENETRATES WALL AND/OR CEILING. PROVIDE WHITE FINISH IN PUBLIC AREAS AND CHROME FINISH IN NON-PUBLIC AREAS.
- CONTRACTOR SHALL CONFIRM SPRINKLER HEAD FINISH WITH ARCHITECT PRIOR TO PLACING ORDER.
- CENTER SPRINKLER HEADS IN TWO DIRECTIONS WHERE LOCATED IN LAY-IN 2'-0" X 2'-0" ACOUSTICAL TILE CEILINGS. FOR 2'-0" X 4'-0" ACOUSTICAL TILES, CENTER SPRINKLER HEADS IN TWO (2) FOOT DIMENSION AND AT QUARTER POINTS AND/OR CENTER IN FOUR (4) FOOT DIMENSION.
- CONFIRM COLORS OF COVERS FOR ALL CONCEALED SPRINKLER HEADS WITH ARCHITECT PRIOR TO PLACING ORDER.

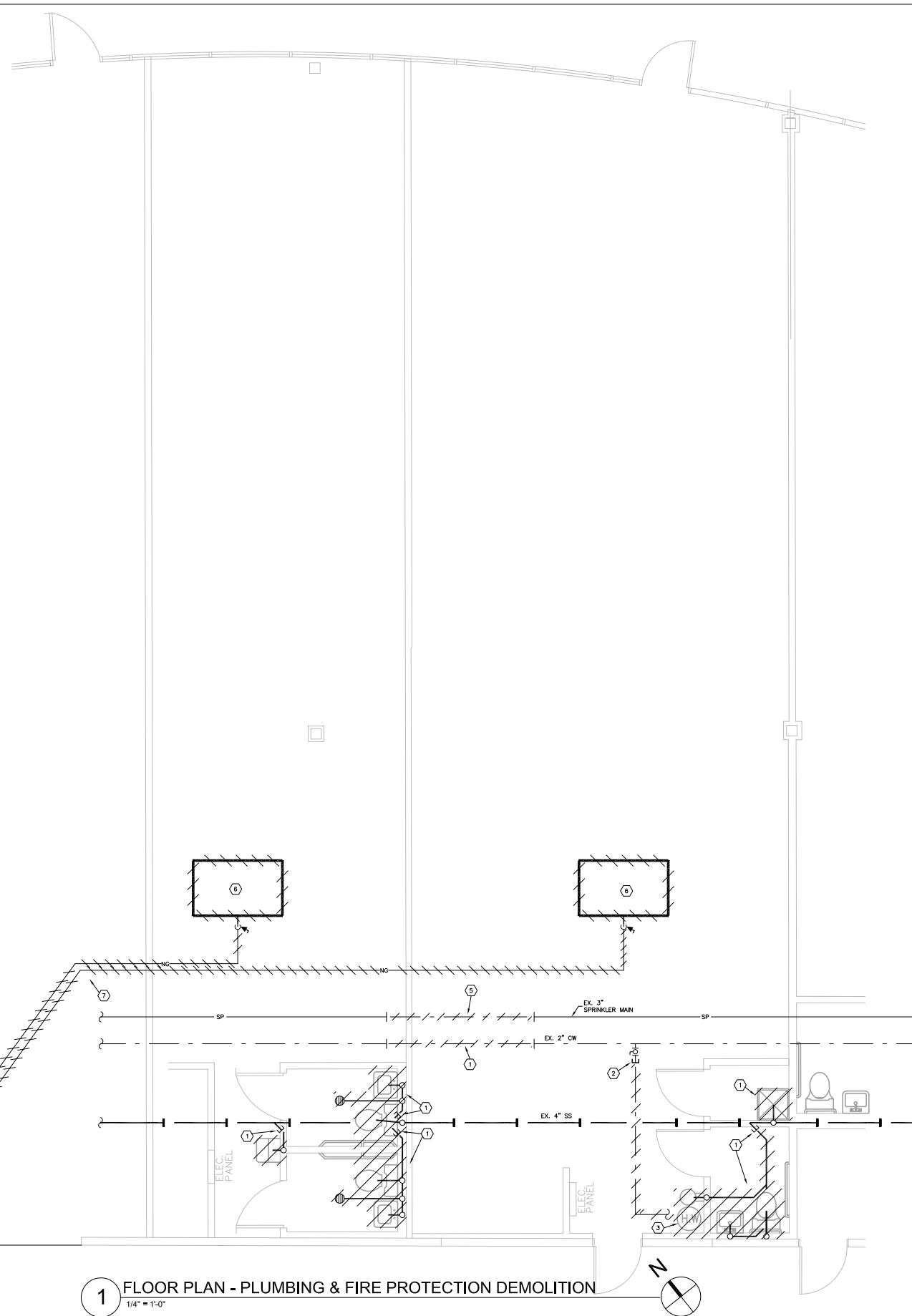
NOTE:
THERE IS A SIGNIFICANT AMOUNT OF LIGHTING, DIFFUSER LAYOUT AND CEILING ADJUSTMENTS WITHIN THE NEW CEILING GRID. FP CONTRACTOR SHALL FIELD VERIFY AND COORDINATE ALL NEW AND EXISTING LOCATIONS PRIOR TO INSTALLATION AND LAYOUT OF NEW SPRINKLER HEADS AND PIPING.

NOTE:
ALL NEW SPRINKLER PIPING SHALL BE GALVANIZED IRON PIPE AND FITTINGS.

**WASTE & VENT
RISER DIAGRAM 1001**

NO SCALE





1 FLOOR PLAN - PLUMBING & FIRE PROTECTION DEMOLITION
 1/4" = 1'-0"

GENERAL DEMOLITION NOTES

- A. WHERE PIPING, DUCTWORK, ETC. IS SHOWN TO BE REMOVED, IT APPLIES ONLY TO LINES SERVING FIXTURES, SUPPLIES, RETURNS, OUTLETS, EQUIPMENT, ETC. WHICH ARE TO BE REMOVED. DO NOT DISCONNECT ANY MAINS OR BRANCH LINES SERVING ITEMS WHICH ARE TO REMAIN.
- B. CARE SHOULD BE TAKEN BY ALL CONTRACTORS TO AVOID DAMAGING OR DISTURBING EXISTING CONSTRUCTION WHICH IS INDICATED TO REMAIN. CONTRACTORS SHALL BE RESPONSIBLE FOR MAKING ANY REPAIRS NECESSARY TO RECTIFY DAMAGE AND RESTORE EXISTING CONSTRUCTION TO UNDAMAGED STATE UPON COMPLETION OF WORK AT NO EXPENSE TO THE OWNER.
- C. ALL CONTRACTORS SHALL THOROUGHLY FAMILIARIZE THEMSELVES WITH ALL ARCHITECTURAL DRAWINGS AND DETAILS PRIOR TO BEGINNING CONSTRUCTION FOR COORDINATION OF ALL DEMOLITION WORK FOR EACH RESPECTIVE TRADE.
- D. PRIOR TO BEGINNING DEMOLITION WORK, EACH TRADE SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AS REQUIRED BY LOCAL AND STATE AUTHORITIES, CODES AND ORDINANCES.
- E. ALL CONTRACTORS SHALL REFER TO NEW CONSTRUCTION DRAWINGS AND SPECIFICATIONS PRIOR TO BEGINNING DEMOLITION WORK FOR COORDINATION WITH SAME.
- F. UNLESS NOTED OTHERWISE, SHOWN OR SPECIFIED, ALL MATERIALS AND EQUIPMENT REMOVED OR DEMOLISHED (EXCEPT THAT WHICH IS TO BE SALVAGED OR RELOCATED) AS DIRECTED BY DRAWINGS AND SPECIFICATIONS, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE LEGALLY DISPOSED OF.
- G. ALL PIPING, ETC. WHICH IS REQUIRED TO BE CUT SHALL BE CUT FLUSH WITH FINISHED FLOORS/WALLS. ALL CUTTING AND PATCHING OF EXISTING FLOORS/WALLS SHALL BE BY EACH CONTRACTOR.
- H. CONTRACTOR SHALL GIVE A MINIMUM NOTICE OF 48 HOURS TO GENERAL CONTRACTOR AND OWNER PRIOR TO SHUT-DOWN OF ANY EXISTING UTILITIES, PIPING SYSTEMS, ETC.
- I. CONTRACTOR SHALL VISIT SITE PRIOR TO SUBMITTING BID TO CONFIRM EXISTING CONDITIONS INDICATED. CONTRACTOR SHALL INCLUDE ALL REQUIRED DEMOLITION.

PLUMBING KEY NOTES:

- 1. HATCHING INDICATES EXISTING PLUMBING FIXTURES AND ALL RELATED PIPING SHALL BE REMOVED COMPLETE. CAP WASTE LINES BELOW FLOOR AT APPROXIMATE LOCATION INDICATED. VENT LINES SHALL BE CAPPED ABOVE CEILING IN A CONCEALED MANNER. EXISTING FIXTURES SHALL BE TURNED OVER TO THE OWNER.
- 2. HATCHING INDICATES EXISTING COLD WATER PIPING FEEDING FIXTURES SHALL BE REMOVED BACK TO APPROXIMATELY THIS LOCATION. CAP AND VALVE ABOVE CEILING.
- 3. HATCHING INDICATES EXISTING WATER HEATER AND ALL HOT WATER PIPING FEEDING FIXTURES SHALL BE REMOVED COMPLETE.
- 4. HATCHING INDICATES THIS PORTION OF COLD WATER MAIN ABOVE CEILING TO BE REMOVED. REFER TO NEW PLAN FOR NEW CONNECTION.
- 5. HATCHING INDICATES THIS PORTION OF SPRINKLER MAIN ABOVE CEILING TO BE REMOVED. REFER TO NEW PLAN FOR NEW CONNECTION.
- 6. HATCHING INDICATES EXISTING ROOF TOP UNITS TO BE REMOVED. REFER TO MECHANICAL PLANS FOR INFORMATION. ANY CONNECTING GAS PIPING, VALVES, UNIONS, ETC. SHALL BE REMOVED COMPLETE.
- 7. HATCHING INDICATES EXISTING GAS PIPING ON ROOF TO BE REMOVED.
- 8. HATCHING INDICATES EXISTING GAS METERS TO BE REMOVED AND CAPPED AT EXISTING GAS HEADER PER LOCAL GAS COMPANY REQUIREMENTS.



Project
Humana Memphis, TN MarketPoint
 6515 Poplar Avenue Suites 107&108
 Memphis, TN 38119

Prepared for
Humana, Inc.

Contract No: 13.01656.00



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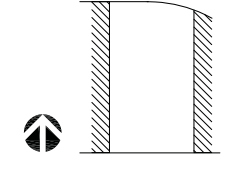
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Sheet Title:
FLOOR PLAN - PLUMBING & FIRE PROTECTION DEMOLITION

SHEET 2 OF 6
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 Sheet Number

3/7/14 90% REVIEW SET

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Jenny Whitlock, Kerr-Greulich Engineers

FIRE PROTECTION KEY NOTES:

1. THE FIRE PROTECTION CONTRACTOR SHALL MAKE ALL NECESSARY MODIFICATIONS REQUIRED TO PROVIDE 100% COVERAGE OF NEW RENOVATED SPACE. REFER TO ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS OF LIGHTS, DIFFUSERS, GRILLES, ETC. THE FIRE PROTECTION CONTRACTOR SHALL COORDINATE HIS WORK WITH ALL OTHER TRADES.

PLUMBING KEY NOTES:

1. CONNECT NEW 3" WASTE LINE TO EXISTING WASTE LINE BELOW FLOOR. CUT AND PATCH FLOOR AS REQUIRED. VERIFY EXACT LOCATION ON SITE.
2. EXTEND CONNECT NEW 3" VENT LINE TO EXISTING VENT LINE ABOVE CEILING OR EXTEND THROUGH ROOF USING EXISTING ROOF PENETRATION. VERIFY EXACT LOCATION ON SITE.
3. CONNECT NEW 1" COLD WATER LINE TO EXISTING COLD WATER LINE ABOVE CEILING. PROVIDE AND LABEL MAIN SHUT OFF VALVE ABOVE ACCESSIBLE CEILING. VERIFY EXACT LOCATION ON SITE.
4. CONNECT NEW WATER LINE TO EXISTING WATER LINE AT APPROXIMATELY THIS LOCATION ABOVE CEILING.
5. CONNECT NEW SPRINKLER MAIN TO EXISTING SPRINKLER MAIN AT APPROXIMATELY THIS LOCATION ABOVE CEILING.
6. EXTEND 3/4" HOT AND COLD WATER LINES DOWN IN WALL AND CONNECT TO FIXTURES.
7. EXTEND 1" COLD WATER AND 1/2" HOT WATER LINES DOWN IN WALL AND CONNECT TO FIXTURES IN RESTROOMS.
8. CONNECT 1/2" COLD WATER LINE IMC AND CMC AND CONNECT. PC SHALL COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER PRIOR TO INSTALLATION.
9. PC SHALL PROVIDE NEW EVERPURE A-11 WITH OPAQUE HOUSING MODEL #EV9100-02 OR EQUAL IN WATER LINE TO SINK, ICE MAKER CONNECTIONS AND COFFEE MAKER CONNECTIONS. LOCATE BELOW SINK IN BASE CABINET.
10. PROVIDE ELECTRIC WATER HEATER ON SHELF ABOVE MOP SINK. EXTEND DRAIN LINE TO MOP SINK AND SPILL. REFER TO DETAIL.
11. EXTEND 3/4" HOT AND COLD WATER LINES DOWN IN INTERIOR WALL TO MOP SINK AND CONNECT. PROVIDE SHUT-OFF VALVES ABOVE ACCESSIBLE CEILING.
12. DROP WASTE LINE DOWN IN WALL TO BELOW FLOOR.
13. PROVIDE SHUT-OFF VALVES ABOVE ACCESSIBLE CEILING. (TYPICAL)
14. 1/2" COLD WATER LINE DOWN IN WALL TO ELECTRIC WATER COOLER.
15. INSTALL NEW GAS METER, VALVES, ETC. AT EXISTING GAS HEADER PER LOCAL GAS COMPANY REQUIREMENTS.
16. 1-1/2" GAS LINE UP ON WALL TO ROOF TOP. SECURE TO WALL WITH STAND OFF BRACKETS.
17. PROVIDE A 1-1/4" GAS CONNECTION TO ROOF TOP UNIT. PROVIDE GAS VALVE, UNION AND MIN. 6" DIRT LEG IN CONNECTION.
18. PROVIDE ROOF PIPE SUPPORT MIN. 8"-0" ON CENTER. REFER TO DETAIL (TYPICAL)
19. ALL GAS PIPING EXPOSED TO WEATHER SHALL BE PAINTED WITH (2) COATS OF RUSTOLEUM PAINT AND PRIMER. COLOR TO BE SELECTED BY ARCHITECT.
20. EXISTING AND/OR NEW PLUMBING PIPING SHALL NOT BE ROUTED OVER IT OR VENDOR STORAGE ROOMS.
21. ELECTRICAL EQUIPMENT SHOWN FOR COORDINATION ONLY.



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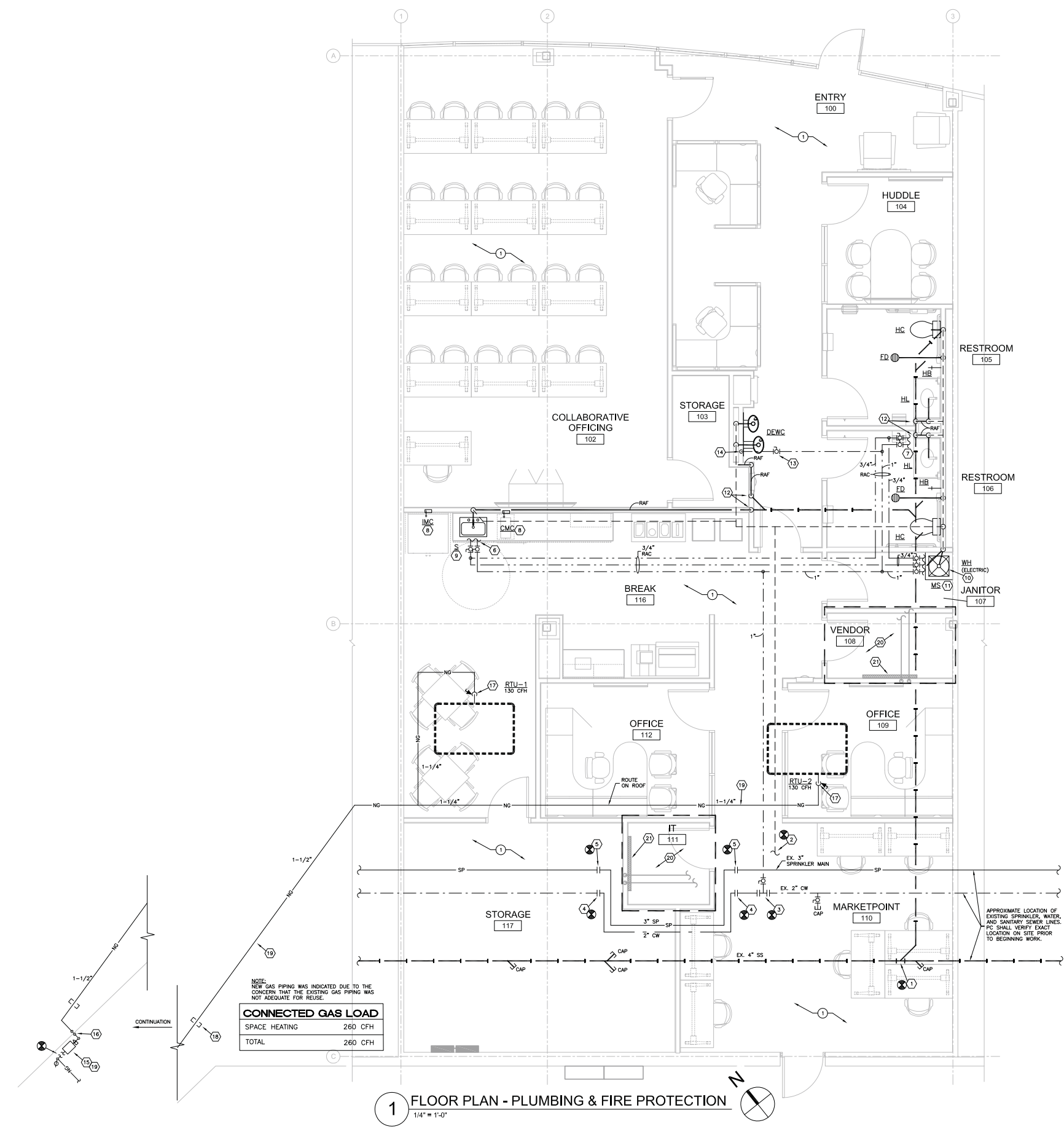
Sheet Title:
FLOOR PLAN -
PLUMBING & FIRE
PROTECTION

SHEET 3 OF 6

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NOTE:
NEW GAS PIPING WAS INDICATED DUE TO THE CONCERN THAT THE EXISTING GAS PIPING WAS NOT ADEQUATE FOR REUSE.

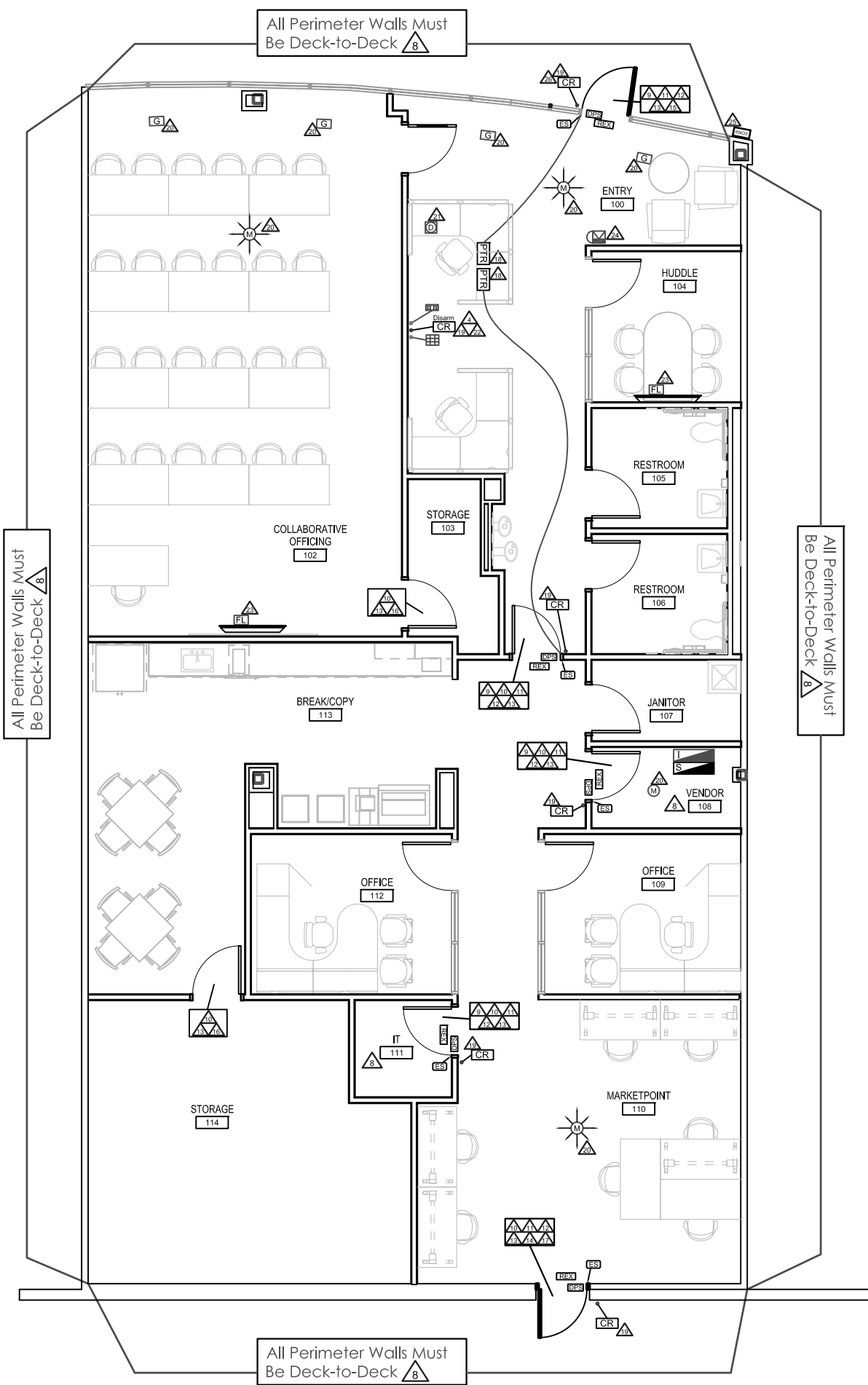
CONNECTED GAS LOAD	
SPACE HEATING	260 CFH
TOTAL	260 CFH

1 FLOOR PLAN - PLUMBING & FIRE PROTECTION
1/4" = 1'-0"

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Jenny Whitlock, Kerr-Greulich Engineers



General Site Notes:

- > Humana Global Security plans to connect the access control system to the enterprise access control system.
- > Valid credential disarms Humana alarm system and allows for access.
- > Alarm is set 24/7 for duress alarms.
- > Intrusion alarm system to be monitored by Stanley.
- > All card reader doors must include the following (unless otherwise specified individually):
 - Alarm contact (two for sets of double doors) (provided by Stanley)
 - Fail-secure electric strike (provided by Stanley)
 - Storeroom lock (a lock that cannot be set in an unlocked state) (provided by General Contractor)
 - Automatic door closing device (provided by General Contractor)
 - Fixed pin hinges if hinges are exposed to the unprotected side of the door (provided by General Contractor)
 - Latch guard or astragal on exterior doors (provided by General Contractor).
- > Alarm system auto arm times to be determined by Site Management.
- > Hours of Operation: Monday through Friday from 8:00 am until 5:00 pm.
- > No CCTV.

DEVICE COUNT:

5 x Card Reader (Entry)	4 x Glass Break
5 x Door Position Switch	1 x Horn/Strobe Alarm (105dB+)
5 x Request to Exit (PIR)	4 x 360° Motion Detector
5 x Electric Strike	1 x Duress Button
1 x Intrusion Keypad	2 x Push-to-Release Button
1 x Card Reader (Disarm)	2 x Flat Screen Cable Lock
1 x LED Alarm System Indicator	1 x Knox Box

KEY NOTES:

- Intrusion system requires a dedicated POTS line for reporting and monitoring and connection must be protected (e.g., inside a panel).
- Network drop required for both access control panel and intrusion panel.
- All security systems must be on the UPS and the generator.
- Relay output from card access disarm reader must be hardwired to intrusion alarm input.
- All access and intrusion panels must be equipped with a tamper switch.
- Intrusion alarm system is to have 8 hours of battery backup and is to be monitored by Stanley.
- Access control system to utilize Lenel 2220 controller and have 8 hours of battery backup.

WALLS

- The perimeter walls, vendor room walls and IT room walls must be deck-to-deck (true floor to true ceiling).

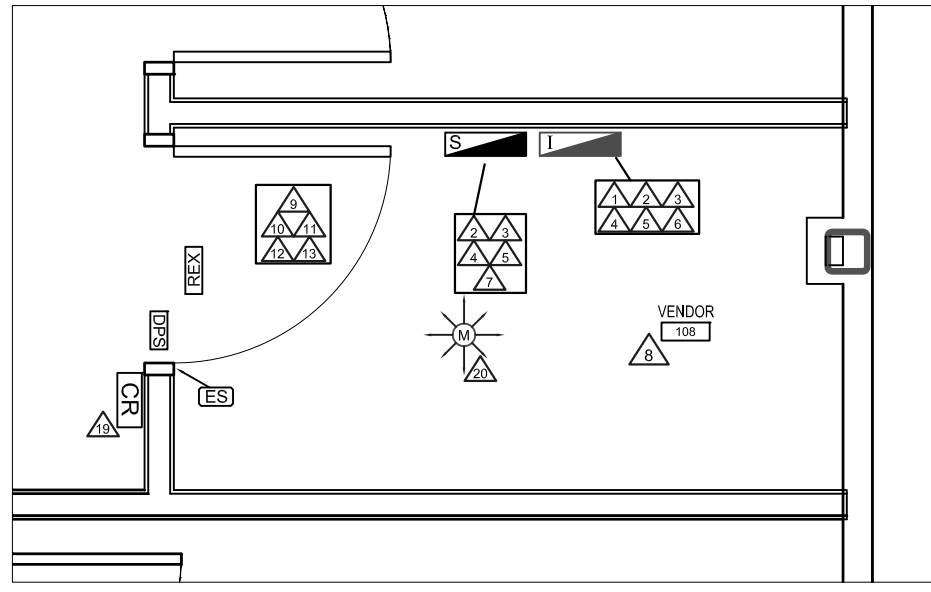
DOORS

- Door must have keyway (provided by General Contractor) in the event the access control system fails in the locked door mode.
- Door is to be locked 24/7.
- All doors with alarm points are to be equipped with fixed-pin hinges or approved equivalent (provided by General Contractor).
- Door is to be equipped with latch guard (provided by General Contractor).
- Door is to be equipped with automatic door closer (provided by General Contractor). Double doors are to have auto-closer on both leaves.
- Door is to have no exterior keyway (e.g., blank cylinder - provided by General Contractor).
- Door is to be unlocked during business hours.
- Door is to be equipped with a storeroom lock with a keyway **only** (provided by General Contractor).
- Door must be made of metal and is to be equipped with a multi-directional peephole (provided by General Contractor).

OTHER EQUIPMENT

- Door release button (provided by Stanley) only functional during business hours.
- All card readers are to have a 25 foot service loop coiled above the ceiling.
- All motion detectors and glass breaks are to have a 20 foot service loop coiled above the ceiling.
- Duress button mounted under receptionists desk must be hard-wired, no wireless devices may be used.
- Card reader and associated intrusion input to be utilized to disarm the associated alarm system keypad.
- Flat-screen TVs must be secured with cable-lock or equivalent method (provided by General Contractor).
- Horn/Strobe alarm in reception area is to be ceiling-mounted and positioned so as to be visible through the front windows of the building and must be 105dB or greater.
- Knox Box is to be installed at main entrance for fire department emergency access (provided by General Contractor).
- Card reader is to be mullion-style.

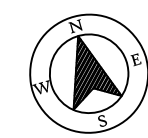
VENDOR ROOM ENLARGEMENT



GENERAL CONTRACTOR REQUIREMENTS:

Note #:	Required:
8	Deck-to-deck wall coverage
9	Keyway
11	Fixed-pin hinges for door
12	Latch guard for door
13	Automatic door closer
14	Blank cylinder
16	Storeroom Lock with Keyway
17	Metal Door with Multi-directional peephole
23	Flat screen cable lock
25	Knox Box

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C-# - FIXED CAMERA	I - INTRUSION SYSTEM DATA PANEL (ISDP)	S - ACCESS SYSTEM DATA PANEL (SSDP)	DPS - DOOR POSITION SWITCH	CR - CARD READER	PS - PIEZO SOUNDER	H - HORN / STROBE	M - 360° MOTION DETECTOR	M - LINEAR MOTION DETECTOR	LB - LATCH BOLT MONITOR
NVR - NETWORK VIDEO RECORDER	REX - INFRARED MOTION REQUEST TO EXIT	PTR - PRESS TO RELEASE BUTTON	ES - ELECTRIC STRIKE	KNOX - KNOX BOX	D - DURESS BUTTON	G - GLASS BREAK	K - INTRUSION KEYPAD	AS - ALARM SYSTEM STATUS INDICATOR	FL - SECURE FLAT SCREEN LOCK