Intermountain Health Park City Hospital Pharmacy Remodel (USP797) 900 Round Valley Dr

Park City, UT 84060

Construction Documents

DESIGN TEAM	
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ACENT TO ALL CONSTRUCTION AREAS AND THROUGHOUT BUILDINGS WITH TING LSC DEFICIENCIES. ILSM APPLY TO ALL PERSONNEL, INCLUDING NSTRUCTION WORKERS, MUST BE IMPLEMENTED UPON PROJECT DEVELOPMENT, O CONTINUOUSLY ENFORCED THROUGH PROJECT COMPLETION. ILSM ARE NDED TO PROVIDE A LEVEL OF LIFE SAFETY COMPARABLE TO THAT DESCRIBED IN NPTERS 1 THROUGH 7, 31 AND THE APPLICABLE OCCUPANCY CHAPTERS OF THE LSC. IH ILSM ACTION MUST BE DOCUMENTED THROUGH WRITTEN POLICIES AND CEDURES. EXCEPT AS STATED BELOW, FREQUENCIES FOR INSPECTION, TESTING, NING, AND ILSM CONSIST OF THE FOLLOWING ACTIONS: ENSURING EXITS PROVIDE FREE AND UNOBSTRUCTED EGRESS. PERSONNEL SHALL RECEIVE TRAINING IF ALTERNATIVE EXITS MUST BE DESIGNATED. BUILDINGS OR AREAS UNDER CONSTRUCTION MUST MAINTAIN ESCAPE FACILITIES FOR CONSTRUCTION WORKERS AT ALL TIMES. MEANS OF EGRESS IN CONSTRUCTION AREAS MUST BE INSPECTED DAILY.	A. THIS IS THE REMODEL AND EXPANSION OF AND ADJACENT AREAS. THE WORK WILL N INDICATED TO ALLOW THE CONTINUED OF TIMES. THERE IS ALSO AN ADDITIVE ALTERN RESTROOM. PROJECT SCOPE INCLUDES AN PLUMBING AND ELECTRICAL.	THE EXISTING INPA IEED TO BE COMPL PERATION OF THE P NATE FOR THE CREA RCHITECTURAL, ME	TIENT PHARMACY ETED IN PHASES AS HARMACY AT ALL TION OF A VISITOR CHANICAL,
NSURING FREE AND UNOBSTRUCTED ACCESS TO EMERGENCY DEPARTMENTS/ ERVICES AND FOR EMERGENCY FORCES. NSURE FIRE ALARM, DETECTION, AND SUPPRESSION SYSTEMS ARE NOT IMPAIRED. A EMPORARY, BUT EQUIVALENT, SYSTEM SHALL BE PROVIDED WHEN ANY FIRE SYSTEM IS APAIRED. TEMPORARY SYSTEMS MUST BE INSPECTED AND TESTED MONTHLY. NSURING TEMPORARY CONSTRUCTION PARTITIONS ARE SMOKE TIGHT AND BUILT OF ONCOM OR LIMITED COMBUSTIBLE MATERIALS THAT WILL NOT CONTRIBUTE TO THE EVELOPMENT OR SPREAD OF FIRE.			
 5 PROVIDING ADDITIONAL FIRE-FIGHTING EQUIPMENT AND USE TRAINING OF PERSONNEL. 6 PROHIBITING SMOKING IN ACCORDANCE WITH MA.1.3.15 AND IN OR ADJACENT TO ALL CONSTRUCTION AREAS. 	APPROVALS		
DEVELOPING AND ENFORCING STORAGE, HOUSEKEEPING, AND DEBRIS REMOVAL PRACTICES THAT REDUCE THE FLAMMABLE AND COMBUSTIBLE FIRE LOAD OF THE BUILDING TO THE LOWEST LEVEL NECESSARY FOR DAILY OPERATIONS.	Approvers Name, Title		Date
ICREASING HAZARD SURVEILLANCE OF BUILDINGS, GROUNDS, AND EQUIPMENT /ITH SPECIAL ATTENTION TO EXCAVATIONS, CONSTRUCTION AREAS CONSTRUCTION FORAGE, AND FIELD OFFICES.			
INING PERSONNEL WHEN STRUCTURAL OR COMPARTMENT FEATURES OF FIRE FETY ARE COMPROMISED. INDUCTING ORGANIZATION WIDE SAFETY EDUCATION PROGRAMS TO ENSURE FARENESS OF ANY LSC DEFICIENCIES, CONSTRUCTION HAZARDS, AND THESE ILSM.	Approvers Name, Title		Date
	Approvers Name, Title		Date
	Approvers Name, Title		Date
NFECTION CONTROL RISK ASSESSMENT	ABBREVIATIONS		
CTION ACTIVITY TYPE demolition or construction that creates major disruption, i.e. noise, dust, bdor, or mechanical systems ludes, but not limited to: heavy demolition or removal of a complete cabling system new construction or buildout of shelled space	 & AND @ AT Ø DIAMETER (E), EXIST. EXISTING (N) NEW d PENNY # POUND OR NUMBER 	DISP. DWL. DN. D.S. D.W.V. DWG. E	DISPENSER DOWEL DOWN DOWN SPOUT DRAINAGE WASTE DRAWING
FECTION CONTROL RISK GROUP ghest: • Pharmacy DNSTRUCTION CLASS	A AC ACOUSTIC ADD ADDENDUM A/C AIR CONDITIONING	EA. E.W.C. EL. ELEV.	EACH ELEC. WATER COOL ELECTRIC ELEVATION
Instruction Activity Type: Type A Type B Type C Type D Class I Class II Class II Class III m Class I Class II Class III Class I Class II Class III Class IV Class I Class II Class IV Class IV	ALT.ALTERNATEALALUMINUMA.B.ANCHOR BOLTARCHARCHITECT(URAL)ASP.ASPHALT	EQ. EQUIP. EXH. EXIST. E.J. EVT	EQUAL EQUIPMENT EXHAUST EXISTING EXPANSION JOINT
st Class II Class IV Class IV ION CONTROL PROTOCOLS Construction (Class IV): Perform work using methods to minimize raising dust or tracking dust into other areas.	B BSMT. BASEMENT B.M. BENCHMARK BLKG. BLOCKING	F FT. FIN. F.E.	FEET FINISH(ED) FIRE EXTINGUISHER
 Immediately replace ceiling tile upon completion of inspection. Use active dust control measures. Use water mist to control dust while cutting. Seal doors, ducts, vents and HVAC units. Place dust control mats at entries to work area; keep them clean and effective. 	BD. BOARD B.O. BOTTOM OF BLDG. BUILDING C	F.E.C. FIXT. FL. G	FIRE EXTINGUISHER FIXTURE FLASHING
 Remove debris only in tightly covered containers. Construct barriers to prevent dust and other contaminant migration prior to beginning work. Maintain negative air pressure in work space using HEPA filtration units. Seal all pipes, conduits and penetrations. Construct and use anteroom for all entry to work area; HEPA vacuum all personnel, or have them change clothing before they leave the work area. All personnel wear shoe covers while in the work area and remove then before entering the hospital. 	CAB'T CABINET C.I.P. CAST IN PLACE C.B. CATCH BASIN CLG. CEILING CL CENTER LINE C.T. CERAMIC TILE CH CHANNEL C.O. CLEAN OUT CLR CLEAR	GALV. GA. G.C. G.S.N. GL. GD. GRL. GRD.	GALVANIZED GAUGE GENERAL CONTRA GENERAL STRUCTUR GLASS GRADE GRILLE GROUND
 bon Completion (Class IV): Clean work area. Wipe all horizontal surfaces with disinfectant. Remove final debris only in tightly covered containers. Vacuum using HEPA filtered vacuum; mop with disinfectant as appropriate. Remove all seals from doors, ducts, vents and HVAC units. 	CL. CLOSET COL. COLUMN CONC. CONCRETE CMU CONCRETE MASONRY UNIT COND. CONDITION	GYP. H HDW. HDWD. HTR.	HARDWARE HARDWOOD HEATER
 Remove construction barriers in a manner that minimizes the spread of dust and debris. 	CONN. CONNECTION CONST. CONSTRUCTION CONT CONTINUOUS CJ CONTROL JOINT D.P. DAMP PROOFING	HT. H.P. H.M. HORIZ. H.B. H.W.	HEIGHT HIGH POINT HOLLOW METAL HORIZONTAL HOSE BIB HOT WATER
	D.B. DECK BEARING DIAG. DIAGONAL DIA. DIAMETER DIM. DIMENSION	HK. I IN. I D	INCH

VICINITY MAP



P.S.F. POUNDS PER SQUARE FOOT

N SPOUT NAGE WASTE VENT /ING WATER COOLER RIC TION MENT IST ١G NSION JOINT IOR I(ED) XTINGUISHER **XTINGUISHER CABI** ING ANIZED RAL CONTRACTOR ERAL STRUCTURAL N

	INT.	INTERIOR			V.C.P.	VITREOUS CLAY PIPE
	INV.	INVERT	R			
			RAD.	RADIUS	W	
	J		REC.	RECOMMENDATION	W.C.	WATER CLOSET
	JAN.	JANITOR	REG.	REGISTER	W.H.	WATER HEATER
	JT.	JOINT	REQ'D	REQUIRED	W.R.	WATER RESISTANT
	JST.	JOIST	R.A.	RETURN AIR	W.P.	WATERPROOF
			REV.	REVISION	W.W.F.	WELDED WIRE FABRIC
	L		R.D.	ROOF DRAIN	W.F.	WIDE FLANGE
	LAM.	LAMINATED	RFG.	ROOFING	WDW.	WINDOW
	LDG.	LANDING	RM.	ROOM	W/	WITH
	LAV.	LAVATORY	RGH.	ROUGH	W/O	WITHOUT
	LT.	LIGHT	RND.	ROUND	WD.	WOOD
	L.W.C.	LIGHT WEIGHT CONCRETE				
	LVR.	LOUVER	S			
			SCR.	SCREW		
	Μ		SECT.	SECTION		
	M.B.	MACHINE BOLT	SEL.	SELECT		
	MFR.	MANUFACTURER	SHT.	SHEET		
	M.O.	MASONRY OPENING	SIM.	SIMILAR		
	MAT'L	MATERIAL	SLDG.	sliding		
	MAX.	MAXIMUM	SM.	Smooth		
INET	MECH.	MECHANICAL	SPEC.	SPECIFICATION		
	MTL.	METAL	SPL.	SPLASH		
	MIN.	MINIMUM	SQ.	SQUARE		
	MLDG.	MOLDING	S.S.	STAINLESS STEEL		
	MULL.	MULLION	STD.	STANDARD		
			STRUC.	STRUCTURE		
	Ν		S.A.	SUPPLY AIR		
R	N.G.	NATURAL GRADE	SUSP.	SUSPENDED		
NOTES	NOM.	NOMINAL	SW.BD.	Switchboard		
	N/A	NOT APPLICABLE				
	N.I.C.	NOT IN CONTRACT	т			
	N.T.S.	NOT TO SCALE	TELCO	TELEPHONE COMPANY		
			T.G.	TEMPERED GLASS		
	0		T&G	TONGUE & GROOVE		
	O.C.	ON CENTER	T&B	TOP & BOTTOM		
	O.D.	OUTSIDE DIAMETER	T.O.	TOP OF		
	O.F.S.	OVERFLOW SCUPPER	T.O.C.	TOP OF CURB		
	O.F.C.I.	OWNER FURNISHED, CONTRACTOR	T.O.D.	TOP OF DECK		
		INSTALLED	T.O.P.	TOP OF PARAPET		
	_		TYP.	TYPICAL		
	P	DAINIT				
	PI.		U			
	PID.		U.N.O.	UNLESS NOTED OTHERWISE		
	PR.					
	MNL.		V			
	a		V.	VENT		
	۲.L.		V.T.R.	VENT THROUGH ROOF		
	PL.		VERT.	VERTICAL		
	PLBG.		V.G.	VERTICAL GRAIN		
	۲.3.1.	LOUND LEK JÄNAKE INCH	VEST.	VESTIBULE		

ADDITIVE ALTERNATES <u>ADD. ALT. #1</u> EXIST. STORAGE ROOM - REMOVE EXISTING ENTRY DOOR & FRAME, FLOORING, ECT. AND PROVIDE NEW FLOORING, WALL BASE, & PAINT - SEE PLANS FOR ADDITIONAL INFORMATION.

FLOORING - REMOVE EXIST. SHEET VINYL FLOORING AND INTEGRAL COVED BASE

COMPLETE - PROVIDE AND INSTALL NEW SHEET VINYL FLOORING AND INTEGRAL

INSUL. INSULATION

IEIR CTED TO RESIST 5. REFERENCE

<u>ADD. ALT #2</u>

COVED BASE.

DEFINITIONS

. GENERAL: BASIC CONTRACT DEFINITIONS ARE INCLUDED IN THE CONDITIONS OF THE CONTRACT. . "APPROVED": WHEN USED TO CONVEY ARCHITECT'S ACTION ON CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, "APPROVED" IS LIMITED TO ARCHITECT'S

V.C.T. VINYL COMPOSITION TILE

- DUTIES AND RESPONSIBILITIES AS STATED IN THE CONDITIONS OF THE CONTRACT. . "DIRECTED": A COMMAND OR INSTRUCTION BY ARCHITECT. OTHER TERMS INCLUDING "REQUESTED," "AUTHORIZED," "SELECTED," "REQUIRED," AND "PERMITTED" HAVE THE SAME MEANING AS "DIRECTED."
- "INDICATED": REQUIREMENTS EXPRESSED BY GRAPHIC REPRESENTATIONS OR IN WRITTEN FORM ON DRAWINGS, IN SPECIFICATIONS, AND IN OTHER CONTRACT DOCUMENTS. OTHER TERMS INCLUDING "SHOWN," "NOTED," "SCHEDULED," AND "SPECIFIED" HAVE THE SAME MEANING AS "INDICATED."
- . "REGULATIONS": LAWS, ORDINANCES, STATUTES, AND LAWFUL ORDERS ISSUED BY AUTHORITIES HAVING JURISDICTION, AND RULES, CONVENTIONS, AND AGREEMENTS WITHIN THE CONSTRUCTION INDUSTRY THAT CONTROL PERFORMANCE OF THE WORK.
- . "FURNISH": SUPPLY AND DELIVER TO PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS. . "INSTALL": UNLOAD, TEMPORARILY STORE, UNPACK, ASSEMBLE, ERECT, PLACE, ANCHOR, APPLY, WORK TO DIMENSION, FINISH, CURE, PROTECT, CLEAN, AND SIMILAR
- OPERATIONS AT PROJECT SITE. 8. "PROVIDE": FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE. 9. "PROJECT SITE": SPACE AVAILABLE FOR PERFORMING CONSTRUCTION ACTIVITIES. THE
- EXTENT OF PROJECT SITE IS SHOWN ON DRAWINGS AND MAY OR MAY NOT BE IDENTICAL WITH THE DESCRIPTION OF THE LAND ON WHICH PROJECT IS TO BE BUILT.

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	Ŭ				
PLUMBING					
PI 101	Level 2 Plumbing Plans				
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ELECTRICAL					
EEUU I	sneet index, Abbreviations, and General Notes				
	relector Schedules and Notes				
EESUI					
EE/UI	iypical Mounting Height Details				
FD101	Electical Demolition Plans				
EFIUU	Loval 2 Ovarall Power Plan				
EDIAI	Level 2 Overall Power Plan				
EP101	Level 2 Overall Power Plan Electrical Plans Roof Rower Plan				
EP101 EP102 EP551	Level 2 Overall Power Plan Electrical Plans Roof Power Plan Telecom Datails				
EP101 EP102 EP551 EP601	Level 2 Overall Power Plan Electrical Plans Roof Power Plan Telecom Details Equipment Schedule				

EL601 Interior Lighting Fixture Schedule EY101 Auxiliary Plan

Telecom Riser Diagrams

EP701





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LEGEND - KEFLECT	ED CEILING PLAN	
BUILDING COMPONENTS (CEILING, L HIS LEGEND ARE DRAWN AT 1/4'' = 1 HALF THE SIZE (SMALLER) ON PLANS E	IGHT FIXTURES, ETC) INDICATED BELOW IN '-0" SCALE. COMPONENTS SHALL APPEAR DRAWN AT 1/8" = 1'-0" SCALE.	A. STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS (IF PRESENT) SUPPLEMENTAL TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RES OF THE GENERAL CONTRACTOR TO CHECK WITH THE ARCHITECTURAL D BEFORE THE INSTALLATION OF MECHANICAL OR ELECTRICAL CONSTRU DISCREPANCIES BETWEEN THE ARCHITECTURAL AND CONSULTING ENG DRAWINGS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR CI ANY CONSTRUCTION INSTALLED IN CONFLICT WITH THE ARCHITECTURA
	2' X 4' LAY-IN ACOUSTICAL PANEL CEILING. SEE DETAILS 1/A503A , 4/A503A , 7/A503A , 10/A503A	 SHALL BE CORRECTED BY THE GENERAL CONTRACTOR AT HIS/HER OWN AND AT NO EXPENSE TO THE OWNER OR ARCHITECT. B. ALL WORK SHALL COMPLY WITH THE CURRENT ADA ACCESSIBILITY GUID (AMERICANS WITH DISABILITIES ACT). C. REFER TO THE CODE COMPLIANCE PLAN FOR APPLICABLE CODES GO' WORK. CODE REQUIREMENTS AND REGULATIONS SHALL BE CONSIDER MINIMUM. WHERE THE CONTRACT DOCUMENTS EXCEED (WITHOUT VIO CODE AND RECUIREMENTS AND REGULATIONS TO COMPARENTS SHALL
	2' X 2' LAY-IN ACOUSTICAL PANEL CEILING. SEE DETAILS 1/A503A , 4/A503A , 7/A503A , 10/A503A	 PRECEDENCE. IF CONFLICT EXIST, THE MORE STRINGENT SHALL APPLY. OR REQUIREMENTS OF THE ADOPTED EDITIONS OF THE INTERNATIONAL CONCODES, THE CODES AND STANDARDS REFERENCED WITHIN THE ICC CONCODES, THE CONTRACTOR SHALL PROVIDE ADEQUATE BARRICADES AND PROTIDEVICES SEPARATING CONSTRUCTION AREAS. TEMPORARY PASSAGES PROVIDED AS REQUIRED. PRIOR TO DELIVERY OF MATERIALS TO CONSTRUCTION AND REMOVAL OF WASTE FROM SITE, THE CONTRACTOR SHALL OF WASTE FROM SITE, THE CONTRACTOR SHALL OF THE OWNER FOR AN ACCEPTABLE ROUTE AND TIME.
	SUSPENDED GYPSUM BOARD CEILING OR SOFFIT SEE DETAILS 2/A503A , 3/A503A , 5/A503A , 8/A503A	 E. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER LOCATION OPENINGS FOR ALL TRADES AND SHALL COORDINATE ALL CONSTRUCT INDICATED BY THE CONTRACT DOCUMENTS, INCLUDING SHOP DRAWIN REVIEWED BY THE ARCHITECT. F. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND NOTIF ARCHITECT OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF W G. FOR ALL REMODEL WORK AS OCCURS, THE CONTRACTOR SHALL COO THE OWNER ALL MEASURES TO ACCOMPLISH THE WORK WITH THE MINI INTERRUPTION TO NORMAL BUILDING PROCEDURES. SYSTEM SHUTDOW
	NEW SUPPLY AIR GRILLE - SEE MECHANICAL DRAWINGS	 PLUMBING, ELECTRICAL, AND NOISY CONSTRUCTION INCLUDING ROTO SAW CUTTING, CONCRETE ANCHORS, ETC. SHALL BE COORDINATED W OWNER AT LEAST 72 HOURS PRIOR TO COMMENCEMENT. H. ALL DIMENSIONS ARE SHOWN TO FACE OF GYPSUM BOARD OF NEW CONSTRUCTION OR STRUCTURAL WALL, UNLESS NOTED OTHERWISE. I. ALL DRAWINGS, THOUGH NOTED TO SCALE ARE FOR ILLUSTRATION ON
	NEW RETURN AIR GRILLE - SEE MECHANICAL DRAWINGS	 CONTRACTOR SHALL NOT SCALE DRAWINGS. J. WHEN A DETAIL IS IDENTIFIED AS TYPICAL, THE CONTRACTOR IS TO APPIIN ESTIMATING AND CONSTRUCTION TO EVERY LIKE CONDITION WHETH THE REFERENCE IS REPEATED IN EVERY INSTANCE. K. DRAWINGS HAVE BEEN DETAILED IN COMPLIANCE WITH U.L. LISTING REAND ICBO REPORTS FOR THE MATERIALS SPECIFIED. IF AN ALTERNATE COMPLIANCE AND ICBO REPORTS FOR THE MATERIALS SPECIFIED. IF AN ALTERNATE COMPLIANCE AND ICBO REPORTS FOR THE MATERIALS SPECIFIED. IF AN ALTERNATE COMPLIANCE AND ICBO REPORTS FOR THE MATERIALS SPECIFIED.
	new exhaust fan - see mechanical Drawings	 MAIERIAL IS ACCEPTED AS AN EQUAL BY THE GENERAL CONTRACTOR, ASSUME THE RESPONSIBILITY FOR WHATEVER CONSTRUCTION MODIFIC AND/OR ADDITIONAL COSTS ARE REQUIRED. L. ALL TRASH SHALL BE REMOVED DAILY. BUILDING MATERIALS MAY NOT THE CORRIDORS AT ANY TIME. BLOCKAGE OF ANY REQUIRED EXIT IS PR M. ALL PENETRATIONS INTO SOUND OR FIRE RATED PARTITIONS, FLOORS OF ANY FOR THE CORRIGINATIONS INTO SOUND OR FIRE RATED PARTITIONS, FLOORS OF ANY FOR THE CONSTRUCTION AND ADDITIONAL COST OF THE CONSTRUCTION ADDITIONAL COST OF THE CONSTRUCTION ADDITIONAL COST OF THE RATED PARTITIONS, FLOORS OF ANY FOR THE CONSTRUCTION ADDITIONAL COST OF THE CONSTRUCTION ADDITIONS ADDITIONAL COST OF THE CONSTRUCTION ADDITIONS ADDITIONAL COST OF THE CONSTRUCTIONS ADDITIONAL COST OF THE COST
9'-0"	CEILING HEIGHT ABOVE FINISHED FLOOR	ASSEMBLIES SHALL BE SEALED WITH APPROVED PERMANENT RESILIENT S TO IBC CURRENT VERSION FOR REQUIREMENTS FOR OPENINGS IN FIRE FOR OPENINGS LESS THAN 16 SQUARE INCHES, THE SPACE BETWEEN TH ALLOWED PENETRATIONS MUST BE SEALED TO PREVENT THE MOVEMENT FLAME OR GASES. ELECTRICAL DEVICES, RECESSED CABINETS, ETC. SHA LINED, INSULATED OR OTHERWISE TREATED TO MAINTAIN THE INTEGRITY ASSEMBLY. SEE PENETRATION DETAILS
0	NEW 2' X 4' LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS	 N. ABBREVIATIONS THROUGHOUT THE PLAN ARE THOSE IN COMMON USE. ARCHITECT SHALL DEFINE THE INTENT OF ANY IN QUESTION. O. THE CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF WATER ANI INSTALLATIONS AND OTHER REQUIRED SERVICES WITH EQUIPMENT MAN P. MAINTAIN ALL EXISTING SPRAY-APPLIED FIRE PROOFING ON STEEL STRU
 SOME OF THE ITEMS ON CEILING II DRAWINGS, MAY OR MAY NOT BE SEE MECHANICAL AND ELECTRICATIC FOR ANY REQUIRED CLARIFICATIC CONTRACTOR SHALL NOT HANG ON AREAS ABOVE THE CEILING WHERI PAINT ALL VISIBLE EXPOSED ITEMS STEEL TRUSSES, MISCELLANEOUS EXHOLLOW METAL DOORS, DOOR FI SURFACES (WITH COLORS AND AC EXCEPT WHERE NATURAL FINISH O NOT TO BE PAINTED. DO NOT PAIN SURFACES, OPERATING PARTS ANI 	NDICAIED IN MECHANICAL AND ELECTRICAL INDICATED ON ARCHITECTURAL CEILING PLANS. AL DRAWINGS AND COORDINATE WITH ARCHITECT ONS. CEILING TILES AND LIGHTS FROM DUCTS. FOR E OVERSIZE DUCTS OCCUR SEE DETAIL 11 / A503A . LIKE METAL DECK, STEEL ANGLES, STEEL BEAMS, (POSED STEEL STRUCTURAL COMPONENTS, RAMES & WINDOW FRAMES. PAINT EXPOSED CCENT COLORS AS SELECTED BY ARCHITECT) R MATERIAL IS SPECIFICALLY NOTED AS A SURFACE IT CONCEALED SURFACES, FINISHED METAL D PRE FINISHED ITEMS.	 S. CONTRACTOR IS REQUIRED TO SEAL AND/OR CAULK ALL ELECTRICAL A MECHANICAL EQUIPMENT THAT IS MOUNTED TO, OR PENETRATING THE CEILINGS, AND FLOOR FINISHES, ALL EQUIPMENT OR FURNISHINGS THAY SURFACE MOUNTED TO THE WALLS AND CEILINGS ARE TO BE CAULKED AROUND ALL SURFACES ABUTTING THE FINISH SURFACE. T. CONTRACTOR IS REQUIRED TO CAULK THE TOP EDGE OF THE COVE BA ALONG ENTIRE LENGTH OF EACH WALL. INCLUDING ALL TRANSITIONS E DIFFERING CONSTRUCTION MATERIALS AND DEVICES ARE TO BE CONTI CAULKED AND SEALED U. DASHED LINE INDICATES FLOOR TO CEILING DUST PROOF CONSTRUCTI TO PREVENT DUST AND DIRT MIGRATION AND TO SEPARATE AREAS OC THE OWNER FROM FUMES AND NOISE. CONSTRUCTION BARRIER TO BE WITH 3 5/8" 20 GA. MTL. STUDS @ 16" O.C. FRAMING WITH 5/8" TYPE 'X' BOARD ON BOTH SIDES. TAPE & SEAL ALL JOINTS AND OPENINGS. SEAI PERIMETER WITH AIR-TIGHT GASKET OR SEAL. PAINT WALL ON EXISTING SIDE. PARTITION TO BE EQUIPPED WITH 4'-0" LOCKABLE MAN DOOR WIT ON BOTH SIDES OF DOOR. CONTRACTOR TO PROVIDE NEGATIVE AIR FLOOR TO CONSTRUCTION
GENERAL NOTES - A. ALL EXTERIOR WALL FINISHES ARE T S. SEE WINDOW SCHEDULE FOR WINDOW SCHEDULE FOR WINDOW SCHEDULE FOR WINDOW SCHEDULE FOR WINDOW SCHEDUCE FOR WINDOW SCHEDUCE FOR WINDOW SCHEDUCE FOR WINDOW SCHEDULE FOR WIN	WALL SECTIONS TO BE 6" ABOVE FINISH GRADE, TYPICAL. DOW OPENINGS AND SILL HEIGHT (UNLESS NOTED E DOOD SCUEDULE FOR DOOD OPENING SIZES	A. PROVIDE LOCKS FOR CABINETS AS INDICATED ON THE CABINET LEGENT A505A AND IF INDICATED ON INTERIOR ELEVATIONS.
 ALL FINISHES TO BE INSTALLED PER SPECIFICATION SECTION IN THE PER AT THESE AREAS, THE CONTRACTO CONCEALED AREAS AND CEILING SPACING BETWEEN STRUCTURAL M STRUCTURAL PLANS (TYPICAL). FIRE PROTECTION ON ASSEMBLIES, ALL THE CODE REQUIREMENTS, TYPICAL 	E DOOR SCHEDULE FOR DOOR OPENING SIZES. MANUFACTURER RECOMMENDATIONS AND PER 20JECT MANUAL. AS WHERE HONED CMU BLOCKS ARE INDICATED. R HAS THE OPTION OF USING REGULAR BLOCK IN 5 SPACES THAT ARE NOT VISIBLE. MEMBERS SHALL FOLLOW INDICATIONS GIVEN ON ELEMENTS AND MEMBERS SHALL COMPLY WITH PICAL - REFER TO CODE COMPLIANCE PLANS.	 b. IN ROOMS WHERE CABINETS ARE REQUIRED TO BE LOCKED, PROVIDE TO OPERABLE WITH SINGLE KEY. C. FOR TYPICAL MOUNTING HEIGHTS, SEE SHEET G003. FOLLOW THE HEIGH NOTED OTHERWISE IN INTERIOR ELEVATIONS. VERIFY WITH ARCHITECT FINDICATED. D. CONTRACTOR SHALL VERIFY WITH OWNER FOR OWNER FURNISHED CO INSTALLED ITEMS AND PROVIDE BACKING IN WALL AS REQUIRED FOR IN E. INTERIOR ELEVATIONS OF CERTAIN ROOMS ARE NOT DRAWN AND ARE SIMILAR ELEVATIONS OF ROOMS THAT ARE INDICATED IN THE DRAWING F. CONTRACTOR SHALL PROVIDE FILLER PANELS (PLASTIC LAMINATE WRA
 G. WOOD MATERIAL UNDER TYPE IIB OPRESSURE-TREATED, TYPICAL, U.N.OPRESSURE-TREATED, TYPICAL, U.N.OPRESSURE-TREATED, TYPICAL, U.N.OPRESSURE-TREATED FOR WALLS SHALL BE BUILT IN ROOMS/AREAS WHERE HONED INDICATED FOR WALLS IN THE FINITUSING REGULAR (LESS EXPENSIVE AREAS AND CEILING SPACES THAT THAT CAN CHANGE OVER THE LIFE BEHIND CABINETS, ARTWORK, WHI BLOCKS ARE SUBSTITUTED. THE STRUENT AREAS AND CEILING STRUCTURED THE STRUENT AREAS AREAS AREAS AREAS AREAS AREAS ARTWORK, WHI BLOCKS ARE SUBSTITUTED. THE STRUENT AREAS ARE	CONSTRUCTION SHALL BE FIRE-RETARDANT, D. T FOLLOWING WALL TYPE DETAILS, TYPICAL. SCORED OR COLORED C.M.U. BLOCKS ARE SH SCHEDULE, CONTRACTOR HAS THE OPTION OF NATURAL GRAY COLOR) BLOCKS IN CONCEALED TARE NOT VISIBLE. THIS DOES NOT APPLY TO AREAS TO F THE BUILDING SUCH AS WALL LOCATED TE BOARD, TACK BOARD, ETC. WHEN OTHER ICTURAL INTEGRITY OF THE BLOCK SHALL REMAIN	 5/8" PARTICLE BOARD) WHEREVER GAP OCCURS BETWEEN CABINETS A G. SEE FINISH FLOOR PLANS AND FINISH SCHEDULE A603A FOR WALL, CAB COUNTERTOP FINISHES. H. SEE SHEET A505A FOR CABINET LEGEND (TYPES B1, W1, T1, ETC.). UNLESS OTHERWISE, ALL THE CABINETS AND COUNTERTOPS IN EACH ROOM SH, SAME FINISH (PL1, PL2, SS1, ETC.) AS INDICATED ON THE INTERIOR ELEVA EACH ROOM. WHERE MULTIPLE FINISHES ARE REQUIRED FOR CABINETS, IN THE ROOM, EACH FINISH IS INDICATED SEPARATELY. CONTACT ARCH REQUIRED CLARIFICATIONS.
THE SAME AS BLOCK INDICATED IN SECTION IN THE PROJECT MANUAL AT INTERIOR MASONRY WALL OUT CORE DRILLING WALLS AND SLABS RADAR OR OTHER APPROVED ME CONCRETE SUSPENDED SLABS, MA LOCATE REBAR PRIOR TO CORE D	SIDE CORNERS, PROVIDE BULL NOSE BLOCK. SIDE CORNERS, PROVIDE BULL NOSE BLOCK. S: CONTRACTOR SHALL USE GROUND PENETRATING THOD TO SCAN CONCRETE OVER METAL DECK, SONRY WALLS, AND CONCRETE WALLS TO RILLING ANY HOLES. HOLES SHALL BE LOCATED TO	 WHERE COUNTERTOP SPAN EXCEEDS 4' - 0", STEEL SUPPORTS SHALL BE FINDICATED IN DETAILS 4/ A505B AND 5/ A505B. J. AS INDICATED ON INTERIOR ELEVATIONS, WALL CABINETS AT CERTAIN L MAY REQUIRE A VERTICAL OR A SLOPED FASCIA PANEL. K. AN ENLARGED FLOOR PLAN HAS BEEN INCLUDED ALONG WITH INTERIC ELEVATIONS FOR ROOMS THAT ARE COMPLEX IN DESIGN. SUCH COMP ARE INDICATED ON THE A400 SERIES SHEETS (STARTING WITH SHEET A401
AVOID REBAR DETECTED. ALL OPE REINFORCED AS SHOWN ON THE S ON THE STRUCTURAL DRAWINGS S PRIOR TO DRILLING.	NINGS AND GROUPS OF OPENINGS SHALL BE TRUCTURAL DRAWINGS. OPENINGS NOT SHOWN HALL BE SUBMITTED TO THE STRUCTURAL ENGINEER	 FLOOR PLANS ARE NOT SHOWN FOR ROOMS THAT ARE SIMPLE IN DESIC ELEVATIONS OF SUCH SIMPLE ROOMS ARE INDICATED ON THE A250 SEF (STARTING WITH SHEET A251). L. FOR ALL CABINETS PROVIDE BACKING IN WALL AS PER DETAIL 3/A505B





SYMBOL	DESCRIPTION	FIRE RESISTANCE RATING	DOOR FIRE RATING	WINDOW FIRE RATING
•	COMMON PATH OF TRAVEL	N/A	N/A	N/A
•>	TRAVEL DISTANCE	N/A	N/A	N/A
ROOM NAME SQ. FT. ROOM # O.L. #	OCCUPANT LOAD	N/A	N/A	N/A
SP	SMOKE PARTITION WALL	0 HOUR	SMOKE	SMOKE
SB	SMOKE BARRIER WALL	1 HOUR	1/3 HOUR	1/3 HOUR
	1 HOUR FIRE RATED WALL	1 HOUR	3/4 HOUR	3/4 HOUR
	2 HOUR FIRE RATED WALL	2 HOUR	1-1/2 HOUR	1-1/2 HOUR

KEYED NOTES

CODE REVIEW

APPLICABLE CODES				
International Building Code (IB International Fire Code (IFC) International Mechanical Cod International Plumbing Code (ANSI/ASHRAE/IES Standard 90. National Electric Code (NEC) NFPA 101 ANSI 117.1	C) le (IMC) IPC) 1	201 201 201 201 201 201 201 200	8 8 8 0 7 8 9	
FIRE RESISTANCE RATING FOR B	UILDING ELEMEI	NTS (<u>TABLE 601)</u>	
Structural Frame:	Ree	quire 3	ed Pro	ovided 3
silveroral marine.		0		0
Bearing Walls: Exterior		0		0
Interior		0		0
Non-Bearing Walls				
Exterior		0		0
Interior		0		0
Floor Construction Roof Construction		2 1 -	1/2	2 1 - 1/2
	IPANCIES (TABI	F 50	9)	
Storage over 100 Sq. Ft.		1 H	OUR	
Waste & Linen Rooms over 100	Sq. Ft.	1 H	OUR	
OCCUPANCY	: I-2 (Hospital)			
CONSTRUCTION TYPE	: Existing			
OTHER CODE REQUIREMENTS Travel Distance Common Path of Travel Minimum Corridor Width Roof Covering Classification	: Unchanged : Unchanged : Unchanged : Unchanged			
AUTOMATICALLY SPRINKLED Building is equipped with an au	utomatic fire ex	tingu	uishing sprin	kler system.
OCCUPANT LOADS:				
Business (Institutional)			: 100 Sq. Ft	. Gross per Occupant
Total Occupant Load			: Unchang	ed
Egress width required Egress width provided			: Unchang : Unchang	ed ed
BUILDING AREA				
Allowable Area (per floor) : Ur	nchanged			
Actual Area (per floor) : Ur	nchanged			
Area of Remodel :148	80 Sq. Ft.			
NUMBER OF STORIES				
Allowable Stories : Uncha Actual Stories : Uncha	anged anged			
BUILDING HEIGHT				
Allowable Height : Uncho Actual Height : Uncho	anged anged			
PLUMBING FIXTURES REQUIRED:	Unchanged			

PLUMBING FIXTURES PROVIDED: Unchanged





1 Floor Plan Level 2 - Overall SCALE: 3/64" = 1'-0"

KEYED NOTES

GENERAL NOTES

- A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.B. SEE SHEET A505A FOR CABINET LEGEND.C. SEE SHEET A601A FOR DOOR AND WINDOW SCHEDULE.
- D. SEE SHEET A603A FOR FINISH SCHEDULE AND GENERAL NOTES.

NORTH









KEYED NOTES

- A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND. B. SEE SHEET A505A FOR CABINET LEGEND.
- C. SEE SHEET A601A FOR DOOR AND WINDOW SCHEDULE. D. SEE SHEET A603A FOR FINISH SCHEDULE AND GENERAL NOTES.





1 Reflected Ceiling Demolition Plan Level 2 SCALE: 3/16" = 1'-0"











KEYED NOTES

- 02.11 EXISTING CEILING TO REMAIN.
- 02.26 EXIST. LIGHT FIXTURE TO BE REMOVED.02.27 EXIST. MECHANICAL DIFFUSER TO BE REMOVED.
- 02.29 EXIST. LAY-IN CEILING TILE & GRID TO BE REMOVED COMPLETELY.
- 02.30 EXIST. DRYWALL CEILING SYSTEM TO BE REMOVED COMPLETELY02.53 EXISTING SMOKE DETECTOR TO BE REMOVED AND SALVAGED.
- 02.54 EXISTING FIRE SPRINKLER TO BE REMOVED AND SALVAGED.
- 02.55 EXISTING CAMERA TO BE REMOVED AND SALVAGED.02.56 EXISTING SPEAKER TO BE REMOVED AND SALVAGED.
- 02.71 REMOVE PORTION OF EXISTING LAY-IN CEILING TILES AND GRIDS AS REQUIRED FOR ABOVE CEILING MECHANICAL AND PLUMBING WORK. RE-INSTALL CEILING FOLLOWING CONSTRUCTION.
- 02.73 EXISTING LIGHT FIXTURE TO REMAIN.
- 09.02 NEW CEILING GRID & TILE SYSTEM. SEE CEILING DETAILS ON A503A.09.06 NEW GYPSUM BOARD 5/8" TYPE 'X' (9'-0" A.F.F. SAME ELEVATION AS PRIOR
- CEILING) PAINT W/ 2-PART EPOXY PAINT SEE FINISH SCHEDULE & SPECS. 10.01 PROVIDE NEW 24X24 ACCESS PANEL - COORD. W/ MECHANICAL DRAWINGS.
- 23.04 MECHANICAL DIFFUSER. SEE MECHANICAL DRAWINGS.26.09 LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.

GENERAL NOTES

- A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND.B. SEE SHEET A505A FOR CABINET LEGEND.
- C. SEE SHEET A601A FOR DOOR AND WINDOW SCHEDULE.D. SEE SHEET A603A FOR FINISH SCHEDULE AND GENERAL NOTES.

NORTH







KEYED NOTES

- 02.36 EXISTING P-TUBE STATION AND COMPONENTS TO REMAIN. PROTECT DURING CONSTRUCTION.
- 05.03 PROVIDE COUNTERTOP SUPPORTS. SEE DETAIL 5/A505B 08.01 NEW AUTOMATIC SLIDING DOOR ASSA ABLOY BESAM SL500 SA-PP - FINISH
- OPENING TO BE 3'-6"W MIN. COORDINATE ELECTRICAL REQUIREMENTS W/ ELECTRICAL DRAWINGS. SEE DOOR SCHEDULE. DOORS AND ALL ASSOCIATED HARDWARE TO BE C.F.C.I. 08.06 NEW DOOR FRAME AND DOOR. SEE DOOR SCHEDULE.
- 09.04 NEW 6" COVED BASE. PROVIDE VINYL BASE CAP WITH CONTINUOUS
- CAULKING. SEE FINISH SCHEDULE.
- 09.09 STAINLESS STEEL CORNER GUARD. 4' 0" HIGH MOUNTED ABOVE BASE. 09.12 INFILL EXISTING DOOR OPENING AS REQUIRED. MATCH ADJACENT FINISHES. 10.03 PAPER TOWEL DISPENSER, OWNER FURNISHED, CONTRACTOR INSTALLED.
- CONTRACTOR SHALL PROVIDE BACKING FOR ALL OWNER FURNISHED ITEMS. 10.04 SOAP DISPENSER, OWNER FURNISHED, CONTRACTOR INSTALLED.
- CONTRACTOR SHALL PROVIDE BACKING FOR ALL OWNER FURNISHED ITEMS. 10.16 PRESSURE MONITOR FOR HAZ. REC. ROOM
- 10.17 PRESSURE MONITOR CONSOLE FOR CLEAN ROOM SUITE 11.01 NEW STAINLESS STEEL TABLE & SHELVES - O.F.C.I.
- 11.02 EXIST. STAINLESS WIRE RACK SHELVING.
- 11.03 NEW WALL MOUNT, HEPA FILTERED, STAINLESS STEEL PASS THRU MODULE CAP18WHF-SST-18WX18HX18D. C.F.C.I.
- 11.08 RELOCATED REFRIGERATORS, RELOCATED.
- 11.09 RELOCATED NARC CABINETS, RELOCATED. 11.17 EXISTING MONITOR & CPU TO BE REINSTALLED BY OWNER.
- 11.21 SALVAGED PAPER SHREDDER
- 12.01 FURNITURE, EQUIPMENT, ETC., NIC. (SHOWN DASHED) 12.07 SALVAGED SHELF TO BE REINSTALLED
- 12.08 COUNTERTOP, MONOLITHIC MATERIAL (SOLID SURFACE)
- 21.02 PROVIDE AND INSTALL NEW FIRE EXTINGUISHER CABINET PER DETAIL 3/A506A. 22.02 NEW LAVATORY. SEE PLUMBING DRAWINGS.
- 26.08 RE-INSTALL SALVAGED BOSCH SYSTEM

- A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND. B. SEE SHEET A505A FOR CABINET LEGEND.
- C. SEE SHEET A601A FOR DOOR AND WINDOW SCHEDULE. D. SEE SHEET A603A FOR FINISH SCHEDULE AND GENERAL NOTES.



















KEYED NOTES

- 02.04 EXIST. HOOD TO REMAIN. NEW CASTERS TO BE INSTALLED BY OWNER. HOOD TO BE RELOCATED AT THE END OF PHASE 1
- 05.04 PROVIDE PRE-FINISHED SLOPED TOP AT LOCKERS. 08.01 NEW AUTOMATIC SLIDING DOOR ASSA ABLOY BESAM SL500 SA-PP - FINISH
- OPENING TO BE 3'-6"W MIN. COORDINATE ELECTRICAL REQUIREMENTS W/ ELECTRICAL DRAWINGS. SEE DOOR SCHEDULE. DOORS AND ALL ASSOCIATED HARDWARE TO BE C.F.C.I. 08.06 NEW DOOR FRAME AND DOOR. SEE DOOR SCHEDULE.
- 09.04 NEW 6" COVED BASE. PROVIDE VINYL BASE CAP WITH CONTINUOUS CAULKING. SEE FINISH SCHEDULE.
- 09.08 COVED TILE BASE. SEE FINISH PLAN AND SCHEDULE.
- 09.09 STAINLESS STEEL CORNER GUARD. 4' 0" HIGH MOUNTED ABOVE BASE. 10.03 PAPER TOWEL DISPENSER, OWNER FURNISHED, CONTRACTOR INSTALLED.
- CONTRACTOR SHALL PROVIDE BACKING FOR ALL OWNER FURNISHED ITEMS. 10.06 FULL HEIGHT LOCKERS - SEE SPECIFICATIONS. INSTALL ON NEW 6" CURB
- 10.07 MIRROR, O.F.C.I.
- 10.14 GRAB BARS SEE SPECIFICATIONS. 11.01 NEW STAINLESS STEEL TABLE & SHELVES - O.F.C.I.
- 11.02 EXIST. STAINLESS WIRE RACK SHELVING.
- 11.03 NEW WALL MOUNT, HEPA FILTERED, STAINLESS STEEL PASS THRU MODULE CAP18WHF-SST-18WX18HX18D. C.F.C.I. 11.05 NEW MAC MEDICAL SURGICAL SCRUB SINK MODEL #SS32 W/ INWALL CARRIER MODEL #S0001. C.F.C.I. COORD. W/ PLUMBING & ELECTRICAL
- DRAWINGS. 11.06 NEW STAINLESS STEEL BENCH - O.F.C.I.
- 11.11 NEW ERGOTRON WALL MOUNTED COMPUTER. O.F.C.I. COORDINATE POWER AND DATA WITH ELECTRICAL DRAWINGS. 11.12 WALL MOUNTED CLOCK. O.F.C.I.
- 11.18 GARBAGE BIN. O.F.O.I.
- 12.01 FURNITURE, EQUIPMENT, ETC., NIC. (SHOWN DASHED)
- 22.01 WATER CLOSET. SEE PLUMBING DRAWINGS.
- 22.02 NEW LAVATORY. SEE PLUMBING DRAWINGS. 23.01 LOW AIR RETURN DUCT & CHASE. SEE MECHANICAL DRAWINGS.
- 26.07 WALL MOUNTED LIGHT FIXTURE SEE ELECTRICAL DRAWINGS.

- A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND. B. SEE SHEET A505A FOR CABINET LEGEND.
- C. SEE SHEET A601A FOR DOOR AND WINDOW SCHEDULE. D. SEE SHEET A603A FOR FINISH SCHEDULE AND GENERAL NOTES.























KEYED NOTES

- 06.06 PROVIDE SLOPED TOP AT UPPER CABINETS. TO MATCH CABINET EXTERIORS. 08.06 NEW DOOR FRAME AND DOOR. SEE DOOR SCHEDULE.
- 09.04 NEW 6" COVED BASE. PROVIDE VINYL BASE CAP WITH CONTINUOUS CAULKING. SEE FINISH SCHEDULE.
- 09.09 STAINLESS STEEL CORNER GUARD. 4' 0" HIGH MOUNTED ABOVE BASE. 10.03 PAPER TOWEL DISPENSER, OWNER FURNISHED, CONTRACTOR INSTALLED. CONTRACTOR SHALL PROVIDE BACKING FOR ALL OWNER FURNISHED ITEMS.
- 10.04 SOAP DISPENSER, OWNER FURNISHED, CONTRACTOR INSTALLED. CONTRACTOR SHALL PROVIDE BACKING FOR ALL OWNER FURNISHED ITEMS. 11.02 EXIST. STAINLESS WIRE RACK SHELVING.
- 11.19 MICROWAVE. O.F.C.I. 11.20 REFRIGERATOR O.F.C.I.
- 12.08 COUNTERTOP, MONOLITHIC MATERIAL (SOLID SURFACE)

- A. SEE SHEET G003 AND G005 FOR SYMBOLS, GENERAL NOTES AND LEGEND. B. SEE SHEET A505A FOR CABINET LEGEND.
- C. SEE SHEET A601A FOR DOOR AND WINDOW SCHEDULE. D. SEE SHEET A603A FOR FINISH SCHEDULE AND GENERAL NOTES.





KEYED NOTE

- . LINE OF FLOOR OR ROOF DECK AS OCCURS.
- TO ACCOMMODATE FOR STRUCTURE DEFLECTION, PROVIDE SLIP CONNECTION BETWEEN TOP RUNNER TRACK AND METAL STUD FRAMING. SEE DETAIL 9 / A502B STUD FRAMING AROUND DUCT OPENINGS. SEE DETAIL 11/A502A
- 4. METAL STUDS, 20 GA STRUCTURAL (33 MILS) AT 16" O.C, U.N.O. BASED ON WALL TYPES INDICATED IN FLOOR PLAN, PROVIDE STUD SIZE AS INDICATED IN WALL TYPES WITH TRACK RUNNERS AT TOP AND BOTTOM. FOR STUD FRAMING AROUND DOOR AND WINDOW OPENINGS, SEE DETAIL 11/A502A
- LINE OF CEILING AS OCCURS. SEE REFLECTED CEILING PLAN. 6. STEEL STUDS. "C-H' SHAPED, 20 GA STRUCTURAL AT 24" O.C.
- PROVIDE ACOUSTIC INSULATION BLANKET FOR FULL DEPTH OF THE STUD CAVITY THROUGHOUT, UNO. FOR 4" & 3 5/8" STUDS PROVIDE R-13 UNFACED BATT INSULATION AND FOR 6" STUDS PROVIDE R-19 UNFACED BATT INSULATION. PROVIDE KRAFT FACED INSULATION FOR ALL APPLICATIONS AT EXTERIOR WALLS. 8. GYPSUM BOARD, 5/8" THICK, TYPE 'X', U.N.O, ATTACHED TO METAL STUD
- FRAMING. SEE GENERAL NOTE 'B' BELOW. ANCHOR BASE TRACK TO CONCRETE FLOOR BELOW. SEE DETAIL 8/A502A
- 10. FILL GAP BETWEEN DECK AND METAL TRACK TOP RUNNER WITH FIRESTOP SEALANT. SEAL TIGHTLY AROUND ALL PIPES, CONDUITS, DUCTS, ETC. ON EACH SIDE OF THE FIRE BARRIER WALL (CONTINUOUS) WITH APPROVED FIRESTOP SEALANT INSTALLED AROUND ALL PENETRATIONS TO MAINTAIN THE INTEGRITY OF THE FIRE BARRIER.
- 1. FILL GAP BETWEEN DECK AND METAL TRACK TOP RUNNER WITH ACOUSTIC SEALANT. SEAL TIGHTLY AROUND ALL PIPES, CONDUITS, DUCTS, ETC. ON EACH SIDE OF THE WALL (CONTINUOUS) AND AROUND ALL PENETRATIONS TO MAINTAIN THE INTEGRITY OF THE WALL.
- 2. STOP GYPSUM BOARD 1/4" ABOVE THE FLOOR TYP. ON EACH SIDE OF WALL. PROVIDE ACOUSTIC SEALANT AT SOUND WALLS AND FIRESTOP SEALANT AT RATED WALLS ON EACH SIDE OF THE WALL (CONTINUOUS).
- 13. OUTLET BOX AS OCCURS. PROVIDE FIRE BARRIER MOLDABLE PUTTY PADS AND FIRESTOP SEALANT AROUND ELECTRICAL BOXES AT ALL RATED WALLS AND SOUND BARRIER WALLS AND AT BACK TO BACK ELECTRICAL BOXES AT SMOKE PARTITION WALLS, TYP.
- 14. PROVIDE STRAPPING AND BLOCKING AT FURRING WALL. SEE DETAIL 12/A502A 15. LINE INDICATES EXISTING WALL OR STRUCTURE. PROVIDE 1/4" AIR GAP.
- 16. GYPSUM BOARD SHAFT LINER PANEL, 1" THICK, TYPE 'X', ATTACHED TO C-H STUDS. 17. STEEL RUNNER, 'J' SHAPED WITH UNEQUAL LEGS OF 1" AND 2", 20 GA, ATTACHED TO FLOOR AND STRUCTURE ABOVE WITH FASTENERS LOCATED NO GREATER THAN 2" FROM ENDS AND NO MORE THAN 24" O.C. RUNNERS SHOULD BE
- POSITIONED WITH SHORT LEG TO FINISHED SIDE OF WALL. 18. STOP STUD RUNNER AT BASE PLATES.
- 19. STEEL PLATE, 3/8" THICK WITH 4-1/2" DIA. HILTI-HY200 EPOXY ANCHORS WITH 2-3/8" HILTI-HIT -2 ANCHORS. EMBED INTO CONCRETE 2-3/8". 20. TUBE STEEL 3" x 3" x 3/16" AT 6'- 0" O.C.
- 21. WALL CAP. SOLID SURFACE MATERIAL ATTACHED TO WALL BELOW. 22 PLYWOOD, 3/4" THICK, CONTINUOUS FIRE TREATED. ATTACH PLYWOOD TO
- VERTICAL STEEL TUBE POST WITH 'L' SHAPED METAL CLIPS AND FASTENERS. 23. PROVIDE 1/4" RADIUS ROUNDED EDGE, CONTINUOUS.
- 24. METAL STUDS 16 GA STRUCTURAL (35 MIL) AT 16" O.C. PROVIDE RUNNERS AT TOP AND BOTTOM. ATTACH TOP RUNNER TO PLYWOOD AND VERTICAL STEEL POST. 25. LINE OF FLOOR.
- 26. RESILIENT CHANNEL, 2" X 1/2", INSTALLED HORIZONTALLY AND SPACED AT 24" 27 WHERE CONDITIONS PROHIBIT EXTENDING STUDS TO DECK, PROVIDE CROSS
- BRACING FROM TOP RUNNER OF WALL TO STRUCTURE ABOVE WITH 3-5/8" 20 GA STUDS AT 4' - 0" O.C. ALTERNATE DIRECTION OF BRACING TO STRUCTURE EVERY 48" AS CONDITIONS ALLOW. 28 TOP TRACK. 18 GA. REQUIRED AT CROSS-BRACED WALLS.

GENERAL NOTES

AND 13/A502A

- A. CONTRACTOR SHALL VERIFY ITEMS LIKE SEMI OR FULLY RECESSED MISCELLANEOUS BOXES, PANELS, PLUMBING LINES, CONDUITS, PIPES, ETC. THAT ARE CONCEALED IN THE WALL. IF 3-5/8" METAL STUDS ARE INADEQUATE, CONTRACTOR SHALL NOTIFY THE ARCHITECT AND USE 6" STUDS. COORDINATE WITH ALL THE CONSULTANT DRAWINGS PRIOR TO WALL CONSTRUCTION AND USE 6" OR 8", 20 GAUGE METAL STUDS FOR FRAMING IN LIEU OF 3-5/8" METAL STUDS.
- USE 5/8" CEMENTITIOUS BOARD IF CERAMIC OR PORCELAIN WALL TILES ARE INDICATED IN THE FINISH SCHEDULE AS WALL FINISH. CEMENTITIOUS BOARD SHALL EXTEND FROM FINISHED FLOOR TO HEIGHT OF TILE. 5/8" WATER RESISTANT GYPSUM BOARD TO BE USED ABOVE TILE HEIGHT IN RESTROOMS. SEE FLOOR PLANS FOR CERTAIN UNIQUE LOCATIONS THAT REQUIRE LEAD LINED GYPSUM BOARD, IMPACT
- RESISTANT GYPSUM BOARD, SOUND ATTENUATION GYPSUM BOARD, ETC. PROVIDE CONTROL JOINT AS PER DETAIL 14/A502A WHEN LENGTH OF GYPSUM BOARD EXCEEDS 50' IN ONE DIRECTION OR AS DIRECTED BY ARCHITECT. COORDINATE WITH ARCHITECT FOR CONTROL JOINT LOCATIONS. WHEN GYPSUM BOARD OR CEMENTITIOUS BOARD IS ATTACHED VERTICALLY, USE 1" LONG #6 DRYWALL SCREWS TO EACH STUD. SCREWS ARE 8" O.C. AT PERIMETER AND 12" A INTERMEDIATE STUD. WHEN GYPSUM BOARD IS ATTACHED HORIZONTALLY TO STUDS, HORIZONTAL JOINTS SHALL BE STAGGERED WITH THOSE ON THE OPPOSITE SIDE. SCREWS FOR HORIZONTAL APPLICATION SHALL BE 8" O.C. AT VERTICAL EDGES AND 12" O.C. AT INTERMEDIATE STUDS.
- D. FOR LOCATION OF FIRE RATED WALLS AND SMOKE PARTITION WALLS SEE CODE COMPLIANCE PLAN. SEE DIMENSION FLOOR PLANS FOR WALL TYPES USED IN THIS PROJECT. SOME WALL
- TYPES MAY NOT BE USED IN THIS PROJECT. WHERE LEAD LINED WALLS ARE INDICATED ON THE DRAWINGS, USE 16 GA STUDS IN LIEU OF THE GAUGE OF STUDS CALLED OUT IN THE WALL TYPES.
- IN PLACES WHERE MECHANICAL DUCTS ARE DESIGNED TO PENETRATE THE FLOOR, TO MEET THE REQUIREMENTS OF FIRE RATING, PROVIDE A TWO-HOUR FIRE RATED ENCLOSURE AT TOP AND BOTTOM OF SHAFT AS INDICATED IN DETAILS 5/A502B AND 8/A502B
- IN PLACES WHERE A TWO-HOUR HORIZONTAL ENCLOSURE IS REQUIRED TO SEPARATE THE DUCTS FROM THE SPACE BELOW, PROVIDE A TWO-HOUR FIRE RATED HORIZONTAL ASSEMBLY AS PER DETAILS 5/A502B AND 8/A502B IN PLACES WHERE BACKING IS REQUIRED IN WALLS TO SUPPORT WALL HUNG EQUIPMENT, CABINETS, ETC. PROVIDE BACKING IN WALL PER DETAILS 5/A502A

A503A

7/27/2023 10:49:07 AM

1. ROOM NUMBER (1/32" RAISED TEXT CHARACTERS, HELVETICA FONT, MATTE FINISHED OPAQUE ACRYLIC SHEET) ATTACHED TO FRONT PANEL. 2. MATTE FINISHED OPAQUE ACRYLIC FRONT PANEL (WITH TRANSPARENT WINDOW) ATTACHED TO BASE PANEL. TRANSPARENT WINDOW FOR TEXT INSERT (HELVETICA FONT). TEXT INSERT SHALL BE FURNISHED AND INSTALLED BY SIGN CONTRACTOR.
 BRAILLE CHARACTERS AS PER ADA (AMERICANS WITH DISABILITIES ACT) REQUIREMENTS DENOTING ROOM NUMBER AND NAME.

7. PROVIDE APPROPRIATE SYMBOL FOR MEN, WOMEN, UNISEX, BOYS AND GIRLS TOILET ROOM AS OCCURS.

9. ROOM NAME (1/32" RAISED TEXT CHARACTERS, HELVETICA FONT, MATTE FINISHED OPAQUE ACRYLIC SHEET) ATTACHED TO FRONT PANEL. 10. PROVIDE DISABLED SYMBOL AS INDICATED IN THE SIGN FOR ALL ROOMS THAT ARE WHEEL CHAIR ACCESSIBLE.

- DEPENDING ON THE SUBSTRATE. 14. RECESS 1/16" FOR TEXT INSERT, FOR SIGN "TYPE S1" ONLY.

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KEYED NOTES 🔿

- 1. VISION PANEL. GLAZING IN VISION PANEL SHALL BE 1/4" THICK, CLEAR, TEMPERED, GLAZING. FOR WOOD DOOR, PROVIDE WOOD TRIM FRAME FLUSH WITH THE FACE OF THE DOOR, AROUND THE VISION PANEL OPENING. STAIN AND SPECIES OF WOOD TRIM SHALL MATCH WOOD DOOR. FOR HOLLOW METAL DOOR, PROVIDE METAL TRIM AROUND VISION PANEL. GLAZING SHALL BE FIRE RATED IF DOORS ARE REQUIRED
- TO BE FIRE RATED. 2. FOR EXTERIOR DOORS OF THIS TYPE, GLAZING SHALL BE TINTED, INSULATED, TEMPERED, LOW E, AND 1" THICK. FOR INTERIOR DOORS OF
- THIS TYPE, GLAZING SHALL BE CLEAR, TEMPERED AND 1/4" THICK. 3. STAINLESS STEEL WELDED WIRE MESH (15 GAUGE) ATTACHED TO DOOR. PROVIDE FRAME AROUND THE OPENING IN DOOR TO SECURE THE MESH IN PLACE.
- 4. METAL LOUVER IN DOOR FOR VENTILATION. 5. PROVIDE SLOPED TOP TO MATCH FRAME.

		DOOR							FRAME		DETAILS							
	4 # OF	WIDTH				SIZE		TVDE								HARDWARE	COMMENTS	
DOOK #	# OF PANELS	W1	W2	HEIGHT	THICKNESS	MATERIAL	TYPE (1/A601A)	(2/A601A)	(2/A601A)	DEPTH	MATERIAL	JAMB	HEAD	THRESHOLD	DOOK #	(MINUTES)	GROUP	COMMENTS
A100A	2	3' - 8''		7' - 0''	1 3/4"	WD	В	1	5 7/8"	HM	1/A504A	1/A504A		A100A		SET 1		
A114A		7' - 7''		7' - 7''	1 3/4"	Alum	F	1		AL	5/A504A	3&4/A504A	3/A504A	A114A		SET 3		
A115A		7' - 7''		7' - 7''	1 3/4"	Alum	F	1		AL	5/A504A	3&4/A504A	3/A504A	A115A		SET 3		
A120A	1	3' - 0''		7' - 0''	1 3/4"	WD	A	1	5 7/8"	HM	1/A504A	1/A504A		A120A		SET 2		
A124A	1	3' - 0''		7' - 0''	1 3/4"	WD	A	1	5 7/8"	HM	1/A504A	1/A504A		A124A		SET 2		
A126A	1	3' - 0''		7' - 0''	1 3/4"	WD	A	1	5 7/8"	HM				A126A		SET 2		
A129A	1	3' - 0''		7' - 0''	1 3/4"	WD	Α	1	5 7/8"	HM	1/A504A	1/A504A	4/A603B	A129A	20	SET 2	1	
A130A		7' - 7''		7' - 7''	1 3/4"	Alum	F	1		AL	5/A504A	3&4/A504A	3/A504A	A130A		SET 3		
A131A	1	3' - 0''		7' - 0''	1 3/4"	WD	A	1	5 7/8"	HM	1/A504A	1/A504A		A131A		SET 4		
A132A	1	4' - 0''		7' - 0''	1 3/4"	WD	A	1	5 7/8"	HM	1/A504A	1/A504A		A132A		SET 4		

KEYED NOTES 🔿

1. GLAZING SHALL BE CLEAR, TEMPERED, AND 1/4" THICK. 2. DOOR FRAME, SEE DOOR SCHEDULE. WHERE DOOR OCCURS AT MASONRY WALL (8" HIGH, C.M.U. BLOCKS), AND WITH A TYPICAL DOOR HEIGHT OF 7' - 0", USE 4" FRAME AS FRAME HEAD INSTEAD OF THE STANDARD 2" FRAME.

COMMENTS

. PROVIDE SMOKE GASKETING FOR DOOR IN EXISTING SMOKE BARRIER WALL

RECOMMENDATIONS.

1. GLAZING SHALL BE CLEAR, TEMPERED, AND 1/4" THICK.

2. STAINLESS STEEL CLEAN ROOM WINDOW. INSTALL PER MANUFACTURER'S

KEYED NOTES (

DASHED LINE DENOTES
 FINISH FLOOR

L.		

FIN	IISH SCHEDULE						
TAG	FINISH TYPE SIZE	MATERIAL DESCRIPTION	MANUFACTURER	STYLE	MODEL #	COLOR	COMMENTS
F1	FLOOR FINISH	HOMOGENEOUS SHEET VINYL	MANNINGTON COMMERCIAL	BIOSPEC MD	15369	BEDROCK	-
F2	FLOOR FINISH	HOMOGENEOUS SHEET VINYL	MANNINGTON COMMERCIAL	BIOSPEC MD	15203	SANDRIFT	-
F3	FLOOR FINISH 12" X 12	PORCELAIN TILE	CROSSVILLE	NOTORIOUS	NTR05	LEADING MAN	3
F4	FLOOR FINISH	LINOLEUM SHEET FLOORING	FORBO	MARMOLEUM REAL	-	-	2
F6	FLOOR FINISH 18" X 36	CARPET TILE	SHAW CONTRACT	HAND DRAWN	5T116	SLATE 13585	9
B1	WALL BASE 6" HIGH	SELE COVED SHEET VINYI		BIOSPEC MD	15369	BEDROCK	1.8
B2	WALL BASE 6" HIGH	SELE COVED SHEET VINYL		BIOSPEC MD	15203	SANDRIFT	7.8
B3	WALL BASE 6" HIGH				NTR05 10612CBS		
B4	WALL BASE 4" HIGH	SELE COVED BASE	FORBO		-	-	5
B6	WALL BASE 4" HIGH	CARPET BASE (TOP EXPOSED EDGE BOUND WITH FABRIC)	SHAW CONTRACT	GRADIENT	5A153	ADRIFT 34512	-
W1	WALL FINISH	PAINT - 2-PART EPOXY	SHERWIN WILLIAMS	-	SW7005	PURE WHITE	-
W2	WALL FINISH	PAINT	SHERWIN WILLIAMS	SATIN FINISH	SW7005	PURE WHITE	-
W3	WALL FINISH 12" X 12	PORCELAIN TILE	CROSSVILLE	NOTORIOUS	NTR01	FEMME FATALE	3, 4
W4	WALL FINISH	PAINT	SHERWIN WILLIAMS	-	-	-	2
W5	WALL FINISH	PAINT - ACCENT COLOR	Sherwin Williams	SATIN FINISH	SW 0023	PEWTER TANKARD	
Cl	CEILING FINISH	PAINT - FPOXY TYPE	SHERWIN WILLIAMS	_	SW7005	PURF WHITE	
C2	CEILING FINISH 24" X 48	ACOUSTIC CEILING TILES AND GRID	ARMSTRONG	ULTIMA HEALTH ZONE	1938	WHITE	6
PL1	PLASTIC LAMINATE FINISH	PLASTIC LAMINATE SHEET OVER SUBSTRATE	WILSONART	LINEARITY FINISH	7970K-18	HIGH LINE	-
MM1	MONOLITHIC MATERIAL	SOLID SURFACE	CORIAN SOLID SURFACE	_	_	NEUTRAL CONCRETE	
	-			1			
CG1	WALL PROTECTION 3-1/2" L	G CORNER GUARD	CONSTRUCTION SPECIALTIES ACROVYN	-	CO-8	STAINLESS STEEL	-
WP1	WALL PROTECTION	WAINSCOT PANEL, CORNER GUARD, HANDRAIL, CRASH RAIL	CONSTRUCTION SPECIALTIES ACROVYN	-	-	-	2

COMMENTS

- 2. MATCH ADJACENT EXISTING FINISH STYLE AND COLOR. 3. TILE SHALL BE INSTALLED IN A GRID PATTERN. USE MAPEI GROUT COLOR 09 GRAY OR SIMILAR.
- 4. SEE INTEROR ELEVATIONS FOR WALL TILE HEIGHT. 5. PROVIDE ALUMINUM CAP TO WALL BASE.
- WITH BERC 2 CLIPS. SEE CEILING DETAILS ON SHEET A503A
- COMMERCIAL EDGE FINISHING MOLDING #040 IN ACCORD COLOR #244 OFF WHITE ONLY. SEE DETAIL 6/A603B. . CARPET TILES TO BE INSTALLED IN AN ASHLAR PATTERN.

PROVIDE MERCER MOLDING: MANNINGTON COMMERCIAL EDGE FINISHING MOLDING #040 IN ACCORD COLOR #204 GRAY. SEE DETAIL 6/A603B.

6. EDGE DETAIL FOR CEILING TILES SHALL BE SQUARE LAY-IN. GRIDS SHALL BE 15/16" PRELUDE XL EXPOSED TEE HEAVY DUTY. ANGLE MOLDING SHALL BE 7/8" PROVIDE MERCER MOLDING: MANNINGTON COMMERCIAL EDGE FINISHING MOLDING #040 IN ACCORD COLOR #244 OFF WHITE. SEE DETAIL 6/A603B. . IN THE ANTE ROOM, DO NOT TRANSITION MERCER MOLDING WITH FLOORING COLOR TRANSITION. PROVIDE MERCER MOLDING: MANNINGTON

KEYED NOTES 🔿

- 1. CARPET FLOOR COVERING AS OCCURS. SEE FINISH SCHEDULE. 2. LINE OF FLOOR.
- 3. DOOR AS OCCURS.
- 4. FLOOR COVERING (VINYL COMPOSITION TILE, LUXURY VINYL TILE, ETC. AS OCCURS). SEE FINISH SCHEDULE.
- 5. METAL TRANSITION STRIP. MODEL NUMBER LVT 130 IN ETCHED ALUMINUM BY FUTURA OR EQUIVALENT. ATTACH TRANSITION STRIP
- TO SUBSTRATE PER MANUFACTURERS RECOMMENDATIONS. 6. CENTERLINE OF DOOR AND TRANSITION STRIP SHALL ALIGN.

- BASIS-OF-DESIGN FOR FINISHES: FINISHES INDICATED ON THE FINISH SCHEDULE ARE BASED ON THE NAMED MANUFACTURER AND THEIR PRODUCTS. SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE THE NAMED PRODUCT OR A COMPARABLE PRODUCT BY ONE OF THE APPROVED MANUFACTURERS LISTED IN
- THE PROJECT MANUAL. SEE RELEVANT SPECIFICATION SECTION. SEE "SAMPLE LAYOUTS" INDICATED ON FINISH PLANS FOR CLARIFICATION ON HOW DIFFERENT TYPES OF REQUIRED FINISHES ARE INDICATED WITH FINISH TAGS FOR FLOORS, WALLS, MISCELLANEOUS SURFACE, ETC. SEE FINISH FLOOR PLANS
- FOR REQUIRED FINISHES (INDICATED WITH FINISH TAGS SUCH AS F1, B1, W1, ETC.). LINE OF TRANSITION BETWEEN DIFFERENT TYPES OF FLOOR COVERING IS INDICATED ON THE FINISH FLOOR PLANS. IN PLACES WHERE TWO DIFFERENT FLOOR COVERING ABUTS EACH OTHER, CONTRACTOR SHALL FOLLOW THE RELEVANT APPLICABLE "FLOOR COVERING TRANSITION DETAILS" INDICATED IN THIS CONSTRUCTION DOCUMENTS. WHERE TWO ROOMS ARE REQUIRED TO HAVE DIFFERENT FLOOR COVERINGS, LINE OF TRANSITION SHALL TYPICALLY OCCUR BELOW THE CENTER OF THE DOOR (LOCATED BETWEEN THE TWO ROOMS). AS THESE TRANSITION LINES ARE NOT INDICATED BELOW THE DOOR ON THE FINISH FLOOR PLANS, CONTRACTOR SHALL PROVIDE METAL TRANSITION STRIP (MANUFACTURED BY SCHLUTER OR EQUIVALENT) AS REQUIRED. AT EXTERIOR DOORS, PROVIDE ALUMINUM THRESHOLD MATCHING THE DOORWAY. FOR REMODEL PROJECTS, COORDINATE WITH DEMOLITION FLOOR PLAN AND NEW FLOOR PLAN TO DETERMINE WHERE NEW ABUTS EXISTING FLOOR COVERING THAT IS SCHEDULED TO REMAIN.
- LINE OF TRANSITION BETWEEN DIFFERENT TYPES OF WALL FINISH IS INDICATED ON THE INTERIOR ELEVATIONS AND FINISH FLOOR PLANS. FOR REQUIRED WALL PROTECTION TYPE (INDICATED WITH TAG WP1, WP2, ETC.), ON WALLS, COORDINATE WITH FINISH FLOOR PLANS AND INTERIOR ELEVATIONS.
- THERE ARE MISCELLANEOUS SURFACES THAT ARE EXPOSED AND WILL REQUIRE A FINISH. SUCH MISCELLANEOUS SURFACES ARE INDICATED IN THE DRAWINGS WITH FINISH TAGS SUCH AS MS1, MS2, ETC. PAINT ALL EXPOSED VISIBLE ITEMS SUCH AS METAL DECK, STEEL ANGLES, STEEL
- BEAMS, STEEL TRUSSES, MISC. STEEL ITEMS, PIPES, CONDUITS, ETC. UNLESS SPECIFICALLY NOTED AS A SURFACE NOT TO BE PAINTED, OR IF NATURAL FINISH IS REQUIRED. PAINT SURFACES USING FIELD COLORS AND ACCENT COLORS SPECIFIED BY THE ARCHITECT. DO NOT PAINT CONCEALED SURFACES, FINISHED METAL SURFACES, OPERATING PARTS, AND PRE-FINISHED ITEMS. VERIFY PAINTING SURFACE (SUCH AS STEEL, CONCRETE, MASONRY, GYPSUM BOARD, WOOD, ETC.) AND USE THE APPROPRIATE PAINT AND METHOD INDICATED IN THE PROJECT MANUAL UNDER RELEVANT SPECIFICATION SECTION. ALL HOLLOW metal door and window frames shall be painted. Use semi-gloss finish ON DOOR FRAMES.
- . IN ROOMS AND AREAS WHERE GYPSUM BOARD CEILING IS INDICATED, PAINT CEILING WITH THE SAME COLOR AND TYPE AS ADJACENT WALLS. IN WET ROOMS (LIKE RESTROOM, KITCHEN, ETC.) WHERE EPOXY PAINT IS INDICATED AS A REQUIREMENT ON WALLS, PAINT CEILINGS AND SOFFITS WITH EPOXY TYPE PAINT. ALL GYPSUM BOARD SOFFITS SHALL BE PAINTED. COORDINATE ACCENT COLOR LOCATIONS WITH ARCHITECT WHEREVER INDICATED.
- SEE INTERIOR ELEVATIONS FOR PLASTIC LAMINATE FINISHES OVER CABINETS, COUNTERTOPS, WALLS, ETC. PLASTIC LAMINATE FINISHES ARE INDICATED AS PL1, PL2, ETC. COUNTERTOPS THAT ARE MONOLITHIC MATERIAL (SUCH AS SOLID SURFACE, QUARTZ, ETC. AND NOT PLASTIC LAMINATE WRAPPED), ARE INDICATED AS MM1, MM2, ETC.
- WHERE PORCELAIN AND/OR CERAMIC TILE FINISHES ARE INDICATED, PROVIDE METAL EDGE STRIPS (MANUFACTURED BY SCHLUTER OR EQUIVALENT) AT ALL OUTSIDE VERTICAL CORNERS AND TOP OF WAINSCOT.
- IN ROOMS AND AREAS (SUCH AS TOILET ROOMS, SHOWERS, ETC.) WHERE CERAMIC OR PORCELAIN TILES ARE INDICATED FOR WALL AND FLOOR FINISH, INSTALL BOTTOM ROW OF WALL TILE FIRST PER DETAIL 1/A603B. PROVIDE QUARTZ THRESHOLD AT DOORS TO TOILET ROOMS THAT ARE USED BY MULTIPLE USERS. SEE DETAILS 3 & 4 SHEET A603B.
- WHERE GYPSUM BOARD WALL ABUTS MASONRY WALL, PROVIDE REVEAL AS PER DETAIL 2/A603B.

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1 LEVEL 2 FIRE PROTECTION DEMOLITION PLAN

	KEYED NOTES
	1. NEW FIRE SPRINKLERS SHALL BE INSTALLED ACCORDING TO NFPA 13. ALL RELOCATED FIRE SPRINKLER HEADS SHALL BE REPLACED WITH NEW CONCEALED FIRE SPRINKLER HEADS ACCORDING TO NFPA 13.
NORTH	
NORTH	

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LEVEL 2 FIRE PROTECTION PLANS

FP101

DUCTWORK/GRILLES

	
	POSITIVE PRESSURE DU
	POSITIVE PRESSURE DU
	NEGATIVE PRESSURE D
	NEGATIVE PRESSURE D
	ROUND DUCT - RISE
	ROUND DUCT - DROP
ý	UNDER FLOOR DUCT
	IURNING VANES
	CEILING SUPPLY DIFFUS
	CEILING RETURN REGIS
	(BALANCE TO MATCH SU RETURN CFM IS NOT SH
24X10 200	SIDEWALL SUPPLY REGISTER
24X10 200	SIDEWALL EXHAUST OR RETURN REGISTER
	CEILING SUPPLY DIFFUS WITH FLEXIBLE DUCT
	CEILING AIR GRILLE WIT FLEXIBLE DUCT
	CEILING RETURN AIR GF W/ SOUND BOOT
3-1" SLOTS @ 48" 400	LINEAR DIFFUSER WITH CONNECTION. NO. OF SI
	FLEXIBLE DUCT CONNEC
╎	FLEXIBLE DUCT
12/8 FO	FLAT OVAL DUCT WITH I DIMENSIONS SHOWN IN
	RECTANGULAR DUCT W DIMENSIONS SHOWN IN
12ø	ROUND DUCT WITH NET
	R/W=1. ROUND DUCT SI
W R 12/12 8/8	RECTANGULAR TO REC
	EXCEPT WHERE SHOWN
	BRANCH DUCT SPLIT WI
<u>}</u> <u>↓</u> 1.5D 1.25D ↓	
$45^{\circ} \xrightarrow{D} D \xrightarrow{D} D$	
	HIGH EFFICIENCY FITTIN
FD, , ,	MANUAL VOLUME DAMP
FSD.	FIRE DAMPER IN DUCT, V
	COMBINATION FIRE/SMC
	SMOKE DAMPER W/ ACC
	BACK DRAFT DAMPER
	ATC DAMPER
	ACCESS PANEL IN DUCT
	HEATING OR COOLING C
	SINGLE DUCT AIR TERM CONSTANT VOLUME. MII
	SIZE STRAIGHT DUCT AT 4-WAY BLOW
	PATTERN 3-WAY BLOW
	PATTERN 2-WAY BLOW
	PATTERN 2-WAY BLOW

POSITIVE PRESSURE DUCT - RISE POSITIVE PRESSURE DUCT - DROP NEGATIVE PRESSURE DUCT - RISE NEGATIVE PRESSURE DUCT - DROP ROUND DUCT - RISE ROUND DUCT - DROP UNDER FLOOR DUCT TURNING VANES CEILING SUPPLY DIFFUSER CEILING RETURN REGISTER CEILING EXHAUST REGISTER, (BALANCE TO MATCH SUPPLY IF RETURN CFM IS NOT SHOWN) TOP FIGURES INDIC SIDEWALL SUPPLY NECK SIZE. BOTTOM FIGURE INDICATES (REGISTER SIDEWALL EXHAUST OR RETURN REGISTER CEILING SUPPLY DIFFUSER WITH FLEXIBLE DUCT **CEILING AIR GRILLE WITH** FLEXIBLE DUCT CEILING RETURN AIR GRILE W/ SOUND BOOT LINEAR DIFFUSER WITH PLENUM AND FLEXIBLE DUCT CONNECTION. NO. OF SLOTS & SIZE OF SLOT ON TOP, ACTIVE LENGTH AND CFM ON BOTTOM FLEXIBLE DUCT CONNECTION FLEXIBLE DUCT FLAT OVAL DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES. RECTANGULAR DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES. ROUND DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES. **INCLINED RISE** WITH RESPECT TO AIR FLOW 15° - NOMINAL INCLINE WITH RADIUS TURNS=DEPTH OF DUCT. INCLINED DROP R/W=1. ROUND DUCT SIMILAR TO RECTANGULAR RECTANGULAR TO RECTANGULAR OR ROUND TO ROUND DUCT TRANSFORMATION MAXIMUM 15° INCLUDED ANGLE EXCEPT WHERE SHOWN OTHERWISE. RECTANGULAR TO ROUND DUCT TRANSFORMATION BRANCH DUCT SPLIT WITH 6" WIDTH AND MIN. R=WIDTH OF BRANCH DUCT DOWNSTREAM. ELBOW TURNING VANE OPTIONAL. TAP ENTRY AREA EQUALS 150% OF BRANCH AREA HIGH EFFICIENCY FITTING MANUAL VOLUME DAMPER FIRE DAMPER IN DUCT, W/ ACCESS PANEL REQD. COMBINATION FIRE/SMOKE DAMPER W/ ACCESS PANEL SMOKE DAMPER W/ ACCESS PANEL BACK DRAFT DAMPER ATC DAMPER ACCESS PANEL IN DUCT OR PLENUM HEATING OR COOLING COIL IN DUCT SINGLE DUCT AIR TERMINAL BOX VARIABLE OR CONSTANT VOLUME. MIN. 1-1/2 TERMINAL INLET SIZE STRAIGHT DUCT AT TERMINAL INLET. 4-WAY BLOW PATTERN 3-WAY BLOW PATTERN 2-WAY BLOW

DUCT SMOKE DETECTOR

LEGEND OF MECHANICAL SYMBOLS AND ABBREVIATIONS

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SHUT OFF VALVE
BALL VALVE
BUTTERFLY VALVE
GATE VALVE
GLOBE VALVE
PLUG VALVE
SHUT OFF PLUG VALVE FOR FOR USE WITH PRESSURE GAUGE
CHECK VALVE
LATERAL STRAINER WITH BLOW-OFF VALVE, PROVIDE HOSE END WITH CAP WHERE DISCHARGE IS NOT PIPED TO DRAIN
ATC - 2 WAY VALVE
ATC - 3 WAY VALVE
CALIBRATED BALANCING VALVE WITH GPM INDICATED
RELIEF VALVE
AIR VENT-MANUAL
TEMPERATURE AND PRESSURE TEST PORT
THERMOMETER WELL
THERMOMETER - TEMP RANGE AS INDICATED
PRESSURE GAUGE WITH SHUT OFF PLUG VALVE
PRESSURE GAUGE WITH PIGTAIL
UNION
UNION FLANGE
UNION FLANGE FLEXIBLE EXPANSION JOINT
UNION FLANGE FLEXIBLE EXPANSION JOINT REDUCER
UNION FLANGE FLEXIBLE EXPANSION JOINT REDUCER ECCENTRIC REDUCER
UNION FLANGE FLEXIBLE EXPANSION JOINT REDUCER ECCENTRIC REDUCER BRANCH - BOTTOM CONNECTION
UNION FLANGE FLEXIBLE EXPANSION JOINT REDUCER ECCENTRIC REDUCER BRANCH - BOTTOM CONNECTION BRANCH - TOP CONNECTION
UNION FLANGE FLEXIBLE EXPANSION JOINT FLEXIBLE EXPANSION JOINT REDUCER ECCENTRIC REDUCER BRANCH - BOTTOM CONNECTION BRANCH - TOP CONNECTION BRANCH - SIDE CONNECTION
UNION FLANGE FLEXIBLE EXPANSION JOINT FLEXIBLE EXPANSION JOINT REDUCER ECCENTRIC REDUCER BRANCH - BOTTOM CONNECTION BRANCH - TOP CONNECTION BRANCH - SIDE CONNECTION RISE OR DROP
UNION FLANGE FLEXIBLE EXPANSION JOINT FLEXIBLE EXPANSION JOINT REDUCER ECCENTRIC REDUCER BRANCH - BOTTOM CONNECTION BRANCH - SIDE CONNECTION BRANCH - SIDE CONNECTION RISE OR DROP RISER - DOWN (ELBOW)
UNION FLANGE FLEXIBLE EXPANSION JOINT FLEXIBLE EXPANSION JOINT REDUCER REDUCER ECCENTRIC REDUCER BRANCH - BOTTOM CONNECTION BRANCH - BOTTOM CONNECTION BRANCH - SIDE CONNECTION BRANCH - SIDE CONNECTION RISE OR DROP RISER - DOWN (ELBOW)
UNION FLANGE FLEXIBLE EXPANSION JOINT FLEXIBLE EXPANSION JOINT REDUCER REDUCER BRANCH - BOTTOM CONNECTION BRANCH - BOTTOM CONNECTION BRANCH - SIDE CONNECTION BRANCH - SIDE CONNECTION RISER OR DROP RISER - DOWN (ELBOW) RISER - UP (ELBOW)
UNION FLANGE FLEXIBLE EXPANSION JOINT FLEXIBLE EXPANSION JOINT REDUCER REDUCER ECCENTRIC REDUCER BRANCH - BOTTOM CONNECTION BRANCH - BOTTOM CONNECTION BRANCH - SIDE CONNECTION BRANCH - SIDE CONNECTION RISER OR DROP RISER - DOWN (ELBOW) RISER - UP (ELBOW) PIPE CAP
UNION FLANGE FLANGE FLEXIBLE EXPANSION JOINT FLEXIBLE EXPANSION JOINT REDUCER FCCENTRIC REDUCER FRANCH - BOTTOM CONNECTION FRANCH - SIDE CONNECTION FRANCH - SIDE CONNECTION FRISE OR DROP RISER - DOWN (ELBOW) RISER - UP (ELBOW) PIPE CAP ARROW INDICATES DIRECTION OF FLOW IN FLEADER INDICATES DOWNWORD SLOPE FROM FROM SLOPE FROM FROM SLOPE FROM FROM SLOPE FROM FROM FROM SLOPE FROM FROM FROM SLOPE FROM FROM FROM SLOPE FROM FROM FROM FROM SLOPE FROM FROM FROM FROM FROM FROM FROM FROM
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UNION FLANGE FLANGE FLEXIBLE EXPANSION JOINT FLEXIBLE EXPANSION JOINT REDUCER FREDUCER FREDUCER FRANCH - BOTTOM CONNECTION FRANCH - SIDE CONNECTION FRANCH - SIDE CONNECTION FRESE OR DROP RISER - DOWN (ELBOW) RISER - UP (ELBOW) PIPE CAP FRESURD SIDE CTION OF FLOW IN FRESURD SIDE CONNECTION OF FLOW IN FRESURD SIDE SIDE SIDE SIDE SIDE SIDE SIDE SID
UNION FLANGE FLANGE FLEXIBLE EXPANSION JOINT REDUCER REDUCER CCENTRIC REDUCER BRANCH - BOTTOM CONNECTION BRANCH - SIDE CONNECTION BRANCH - SIDE CONNECTION BRANCH - SIDE CONNECTION BRANCH - SIDE CONNECTION BRER - DOWN (ELBOW) RISER - DOWN (ELBOW) PIPE CAP PIPE CAP ARROW INDICATES DIRECTION OF FLOW IN PIPE LADER INDICATES DOWNWORD SLOPE VALVE IN RISE 90° ELBOW
UNION FLANGE FLANGE FLANGE FLEXIBLE EXPANSION JOINT FLEXIBLE

<u>PLUMBING</u>	
Ū	THERMOSTATIC
ə×	HOSE BIBB
	FLOOR SINK
	FLOOR DRAIN
FCO COTG	FLOOR CLEAN- OR CLEAN-OUT GRADE
Ø	ROOF DRAIN
Î	DOWNSPOUT N
O VTR	VENT THRU RO
P	WATER HAMME
	CLEAN-OUT
۲ بور ا	FILL PORT
$\overline{\gamma}$	DRAIN PAN ANE
(NAME)	FIXTURE FROM
	DEMOLITION

TC MIXING VALVE N-OUT JT TO NOZZLE COF ER ARRESTOR ID P-TRAP I LEVEL ABOVE

EQUIPMENT

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	II
	F

UNIT HEATER

INLINE PUMP

FAN

<u>FIRE</u> ι Š ę – ∇ \odot _____F____

HOSE VALVE NRS GATE VALVE WITH SUPERVISION FLOW SWITCH

FIRE RISER

SPRINKLER HEAD

FIRE SPRINKLER WATER

<u>LINETYPES</u>

	DOMESTIC
	DOMESTIC
	DOMESTIC (DHWR)
E(NAME)	EXISTING F
— — — (NAME) — — —	EXISTING F REMOVED
HWR	HEATING H
HWS	HEATING H
RD	ROOF DRA
RDO	ROOF DRA
	SEWER (BE
	SEWER (AB
	VENT (SEW

DOMESTIC COLD WATER (DCW)
DOMESTIC HOT WATER (DHW)
DOMESTIC HOT WATER RETURN DHWR)
EXISTING PIPING
EXISTING PIPING TO BE REMOVED
HEATING HOT WATER RETURN
HEATING HOT WATER SUPPLY
ROOF DRAIN
ROOF DRAIN OVERFLOW
SEWER (BELOW GRADE)

BELOW GRADE)

ABOVE GRADE)

WER)

ANNOTATIONS

<u>P-1</u>	PLUMBING FIXTURES
Ø	POINT OF CONNECTIO
A M-101	SECTION TAG - TOP BOTTOM FIG
A M101	DETAIL TAG - TOP FI BOTTOM FIG
EF 1	EQUIPMENT IDENTIFIC
<u>_1</u>	KEYED NOTE IDENTIF
S	SWITCH
S	SENSOR
Ū	THERMOSTAT
٦N	NIGHT THERMOSTAT
P	PRESSURE MONITOR

FIXTURES POINT OF CONNECTION

SECTION TAG - TOP FIGURE IS SECTION NO. BOTTOM FIGURE IS SHEET NO.

DETAIL TAG - TOP FIGURE IS DETAIL NO. BOTTOM FIGURE IS SHEET NO.

EQUIPMENT IDENTIFICATION

KEYED NOTE IDENTIFICATION

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1.	NO FIRE PROTECTION LINE S COORDINATION WITH ALL OT AND PLUMBING TAKE SPACE FAILURE TO COMPLY WILL R REINSTALLATION AT THE FIR
2.	ALL WORK DONE SHALL BE F CONTAINMENT OF WATER IS SURROUNDING AREA.
3.	COORDINATE EXACT LOCAT LIGHTS, REFLECTED CEILING DUCTWORK, MECHANICAL A ALL EXISTING CONDITIONS.

FIRE PROTECTION GENERAL NOTES

- ON LINE SHALL BE DESIGNED OR INSTALLED PRIOR TO CLOSE TH ALL OTHER DISCIPLINES. DUCTWORK. MECHANICAL PIPING KE SPACE PRECEDENCE OVER FIRE PROTECTION PIPING. LY WILL RESULT IN THE FIRE PROTECTION REMOVAL AND THE FIRE PROTECTION CONTRACTORS EXPENSE. HALL BE PERFORMED WITH WATER CONTROL IN MIND. WATER IS NECESSARY TO PREVENT WATER FROM DAMAGING
- T LOCATION OF PIPING WITH STRUCTURAL MEMBERS, D CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUITS, ANICAL AND PLUMBING PIPING, AND ALL OTHER TRADES AND
- FIRE SUPPRESSION CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE AND/OR REROUTE ANY AND ALL FIRE PROTECTION PIPING. VALVING. SUPPORTS OR SYSTEMS, OTHERWISE WITHIN THE FIRE SUPPRESSION DISCIPLINE REGARDLESS OF WHO INSTALLED THEM OR WHEN THEY WERE INSTALLED, IN ORDER TO ACCOMMODATE MECHANICAL, PLUMBING, ELECTRICAL OR OTHER SYSTEMS COORDINATE WORK WITH MECHANICAL, ELECTRICAL, PLUMBING OR OTHER CONTRACTORS UNTIL SUBSTANTIAL COMPLETION OF PROJECT.

PLUMBING GENERAL NOTES

PROVIDE ALL MATERIALS AND EQUIPMENT AND PERFORM ALL LABOR REQUIRED 1. UNLESS OTHERWISE NOTED, SLOPE PIPE AS FOLLOWS: WASTE BRANCHES: 1/4" 1. TO INSTALL COMPLETE AND OPERABLE PIPING SYSTEMS AS INDICATED ON THE PER FOOT; WASTE MAINS: 1/4" PER FOOT; ROOF DRAIN/ROOF DRAIN OVERFLOW: DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE. 1/8" PER FOOT. 2. UNLESS OTHERWISE NOTED: ALL MECHANICAL PIPING IS OVERHEAD TO RUN 2. ALL WORK DONE SHALL BE PERFORMED WITH WATER CONTROL IN MIND. ABOVE DUCTWORK AND TIGHT TO UNDERSIDE OF STRUCTURE. CONTAINMENT OF WATER IS NECESSARY TO PREVENT WATER FROM DAMAGING AREAS ON FLOORS BELOW. WHERE VALVING OR EQUIPMENT IS LOCATED ABOVE HARD CEILINGS PROVIDE AN ACCESS DOOR IN CEILING. MINIMUM ACCESS DOOR SIZE OF 24"X24". PLUMBING DRAWINGS ARE SCHEMATIC IN NATURE. FIELD VERIFY EXACT PIPE ROUTING AND COORDINATE WITH ALL OTHER TRADES. NO PIPING TO RUN OVER ELECTRICAL PANELS, VFD'S OR MCC'S. PROTECT 4 EQUIPMENT WITH A 42" DEEP ZONE IN FRONT OF PANELS, VFD'S, AND MCC'S. 4. ALL PIPING IN PLUMBING CHASES SHALL BE ARRANGED TO ALLOW MAINTENANCE ACCESS. SLEEVE PIPING THRU WALLS/FOUNDATIONS WHERE REQUIRED. NO PIPING TO RUN OVER ELECTRICAL PANELS, VFD'S OR MCC'S. PROTECT INSTALL PIPING SO THAT ALL VALVES, STRAINERS, UNIONS, TRAPS, FLANGES, EQUIPMENT WITH A 42" DEEP ZONE IN FRONT OF PANELS, VFD'S, AND MCC'S. AND OTHER APPURTENANCES REQUIRING ACCESS ARE ACCESSIBLE. 6. COORDINATE FAN ROOM FLOOR DRAIN AND FLOOR SINK LOCATIONS WITH 7. ALL VALVES SHALL BE INSTALLED SO THAT VALVE REMAINS IN SERVICE WHEN COOLING COIL, EVAPORATIVE SECTION, AND HEATING COIL LOCATIONS. EQUIPMENT OR PIPING ON EQUIPMENT SIDE OF VALVE IS REMOVED. 7. CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL PROVIDE AN AIR VENT AT THE HIGH POINT OF EACH DROP IN THE HEATING AND CEILING TILES WHERE VALVES ARE LOCATED. CHILLED WATER PIPING SYSTEM. PIPING AND ROUTING SHOWN, INCLUDING ALL BELOW FLOOR DECK PIPING, IS INSTALL ALL PIPING WITHOUT FORCING OR SPRINGING. APPROXIMATE. IT IS UP TO THE CONTRACTOR TO FIELD VERIFY THE EXACT 9 LOCATION AND SIZE OF ALL PIPING.

11

- 9. REFER TO ARCHITECTURAL DRAWINGS FOR FIXTURE MOUNTING HEIGHTS, DIMENSIONS, AND OTHER REQUIREMENTS.
- 10. CONTRACTOR TO VERIFY CONNECTION SIDE OF ADA FIXTURES AND ADJUST ACCORDINGLY. INSTALL FLUSH VALVES HANDLES ON WIDE SIDE OF ALL FIXTURES.
- 11. LOCATE ALL VENTS MINIMUM 25' AWAY FROM AIR INTAKES.
- 12. INSTALL ALL DOMESTIC WATER LINES BELOW DUCTWORK.
- 13. INSTALL A 24" X 24" ACCESS DOOR BELOW ALL ISOLATION VALVES, BALANCING VALVES AND WATER HAMMER ARRESTORS WHERE MOUNTED ABOVE HARD CEILINGS.
- 14. MOUNT ALL ISOLATION VALVES, CONTROL VALVES, BALANCING VALVES, ETC. NEAR CEILING HEIGHT FOR ACCESSIBILITY.
- 15. INSTALL ALL EQUIPMENT WITH SUFFICIENT CLEARANCE FOR MAINTENANCE PER MANUFACTURERS RECOMMENDATION.
- 16. COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL AND PROVIDE SLEEVES AS NECESSARY.
- 17. COORDINATE EXACT LOCATION OF PLUMBING WITH STRUCTURAL MEMBERS, LIGHTS, REFLECTED CEILING, CABLE TRAY, DUCTWORK, MECHANICAL PIPING, MEDICAL GASES, FIRE PROTECTION AND OTHER TRADES, TYPICAL.
- 18. COORDINATE THE LOCATION OF THE FLOOR DRAIN, SHOWER DRAIN, OR FLOOR SINK WITH ARCHITECTURAL AND STRUCTURAL, TYPICAL.
- 19. ACCESS DOORS SHALL BE PROVIDED TO ALL WATER HAMMER ARRESTORS IN WALLS OR ABOVE CEILINGS.
- 20. SEE PLUMBING FIXTURE SCHEDULE FOR PIPE SIZES OF WASTE, VENT AND DOMESTIC WATER TO/FROM SINGLE FIXTURE.
- 21. COORDINATE EXACT LOCATION OF PLUMBING PIPING WITH STRUCTURAL MEMBERS, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUITS, DUCTWORK, MECHANICAL AND FIRE PROTECTION PIPING, AND ALL OTHER TRADES AND ALL EXISTING CONDITIONS.
- 22. LOCATE CIRCUIT SETTERS, VALVES, WATER HAMMER ARRESTORS, ETC. IN ACCESSIBLE LOCATIONS. PROVIDE 24"X24" ACCESS PANEL WHERE ITEM IS LOCATED ABOVE A HARD CEILING.
- 23. ALL PIPE AND DUCT SIZES SHALL REMAIN THE SAME SIZE SHOWN, IN THE DIRECTION OF FLOW, UNTIL SHOWN OTHERWISE.
- 24. INSTALL CLEANOUTS IN DRAIN PIPING AS INDICATED, AND WHERE NOT INDICATED. ACCORDING TO THE FOLLOWING.

a) SIZE SAME AS DRAINAGE PIPING UP TO 4" NPS. USE 4" NPS FOR LARGER. DRAINAGE PIPING UNLESS LARGER CLEANOUT IS INDICATED. b) LOCATE AT MINIMUM INTERVALS OF 50 FT FOR PIPING 4" NPS AND SMALLER AND 100 FT FOR LARGER PIPING. c) LOCATE AT THE BASE OF EACH VERTICAL STACK.

MECHANICAL PIPING GENERAL NOTES

- 10. ALL VALVES SHALL BE ADJUSTED FOR SMOOTH AND EASY OPERATION.
- PROVIDE ISOLATION VALVES AT EACH EXIT/ENTRANCE INTO SHAFT WHETHER OR NOT SHOWN.
- 12. ALL PIPE AND DUCT SIZES SHALL REMAIN THE SAME SIZE SHOWN, IN THE DIRECTION OF FLOW, UNTIL SHOWN OTHERWISE.
- 13. COORDINATE LOCATION OF THERMOSTAT WITH ARCHITECTURAL FURNISHING PLANS. MOUNT THERMOSTAT AT HEIGHT AS SPECIFIED ON ARCHITECTURAL.
- 14. CONTRACTOR TO PROVIDE VALVE IDENTIFICATION AND LOCATION ON ALL

CEILING TILES WHERE VALVES ARE LOCATED.

MECHANICAL GENERAL NOTES

- COORDINATE EXACT PLACEMENT OF DIFFUSERS, GRILLES, AND REGISTERS WITH ARCHITECTURAL REFLECTED CEILING PLAN, TYPICAL.
- SEE DETAIL FOR DIFFUSER CONNECTIONS TO DUCTWORK, TYPICAL.
- BRANCH DUCTWORK SHALL BE SIZED TO MATCH THE NECK INLET SIZE OF THE DIFFUSERS, REGISTER OR GRILLE IT SERVES UNLESS NOTED OTHERWISE, TYPICAL.
- COORDINATE EXACT MOUNTING LOCATION OF ALL THERMOSTATS WITH LATEST REVISION OF ARCHITECTURAL ELEVATION AND FURNISHINGS PLANS, TYPICAL. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CAULKING AND
- SEALING ALL PENETRATIONS IN FIRE AND SMOKE RATED PARTITIONS TO MAINTAIN RATINGS. SEE SPECIFICATION, TYPICAL.
- THE MECHANICAL CONTRACTOR SHALL PROVIDE FIRE, SMOKE OR COMBINATION FIRE/SMOKE DAMPERS AT ALL LOCATIONS SHOWN ON THE CONTRACT DOCUMENTS AND AS REQUIRED TO MEET THE INTEGRITY OF ALL SMOKE AND FIRE PARTITIONS. THE CONTRACTOR SHALL REFER TO THE LATEST ARCHITECTURAL LIFE SAFETY PLANS FOR ALL FIRE AND SMOKE PARTITION LOCATIONS. DAMPERS ARE TO BE PROVIDED WITH SHUTOFF/TEST SWITCH AT EACH LOCATION.
- 7. PROVIDE AND INSTALL TURNING VANES IN ALL SQUARE LOW PRESSURE DUCTWORK AT ELBOWS OR TEES, TYPICAL.
- INSTALL ALL TERMINAL BOXES IN EASILY ACCESSIBLE AND SERVICEABLE 8. LOCATIONS, MEETING ALL MANUFACTURERS REQUIRED CLEARANCES ON EACH SIDE, SEE DETAILS, TYPICAL.
- CONTRACTOR SHALL OFF-SET, TRANSITION AND PROVIDE CHANGES AS REQUIRED FOR COORDINATION WITH OTHER TRADES, TYPICAL.
- DUCTWORK SIZES SHOWN ARE INSIDE CLEAR DIMENSIONS. REFER TO 10 MECHANICAL SPECIFICATIONS FOR EXTENT OF DUCT INSULATION AND LINER.
- 11. PROVIDE AND INSTALL REMOTE DAMPER OPERATORS FOR ALL DAMPERS INSTALLED ABOVE INACCESSIBLE CEILINGS, SEE MECHANICAL SPECIFICATIONS FOR EQUIPMENT REQUIREMENTS, TYPICAL.
- 12. PROVIDE AND INSTALL HIGH EFFICIENCY TAKE-OFF FITTINGS AND BALANCING DAMPER AT ALL BRANCH CONNECTIONS TO LOW PRESSURE DUCTWORK.
- 13. PROVIDE AND INSTALL HIGH EFFICIENCY OR CONICAL TAKE-OFFS AT ALL BRANCH CONNECTIONS TO MEDIUM PRESSURE DUCTWORK.
- 14. WHERE DUCTWORK CROSSES, SUPPLY DUCTWORK IS USUALLY BELOW RETURN AND EXHAUST DUCT. RETURN DUCTWORK IS USUALLY BELOW EXHAUST DUCTS.
- 15. AT LOCATIONS WHERE DIFFUSERS OR GRILLES ARE UNDER DUCTWORK. CONTRACTOR TO FABRICATE TRANSITION BOOT FROM FLEX CONNECTION TO DIFFUSER OR GRILLE WITH BALANCING DAMPER, TYPICAL.
- 16. THE MECHANICAL CONTRACTOR SHALL PROVIDE CEILING MOUNTED ACCESS DOORS FOR ALL FIRE, SMOKE AND COMBINATION FIRE/SMOKE DAMPERS INSTALLED ABOVE INACCESSIBLE CEILING. FIELD VERIFY EXACT INSTALLATION LOCATIONS PRIOR TO COMMENCING WORK AND COORDINATE INSTALLATIONS WITH LATEST ARCHITECTURAL REFLECTED CEILING PLANS.
- 17. MECHANICAL CONTRACTOR SHALL ENSURE THAT ALL EQUIPMENT IS PROVIDED AND INSTALLED WITH CLEARANCES PER MANUFACTURERS RECOMMENDATIONS. THE CONTRACTOR SHALL MAINTAIN PROPER SERVICE SPACE FOR COIL PULLS, BAS DEVICES, MAINTENANCE ACCESS, ETC.
- 18. ALL VAV BOXES TO HAVE REHEAT COILS, EXCEPT AS NOTED, PROVIDE A MINIMUM OF TWO DUCT DIAMETERS OF STRAIGHT ROUND DUCT TO INLET OF VAV BOX. BOX SHALL BE HARD CONNECTED (CONICAL) TO MEDIUM PRESSURE DUCT, TYPICAL.
- 19. PROVIDE ACCESS DOORS TO ACCESS VAV BOX CONTROLS ABOVE HARD CEILINGS. PROVIDE MIN. 24" X 24".
- 20. ALL PIPE AND DUCT SIZES SHALL REMAIN THE SAME SIZE SHOWN, IN THE DIRECTION OF FLOW, UNTIL SHOWN OTHERWISE.
- 21. ALL DUCTWORK ABOVE HARD CEILINGS SHALL BE EXTENDED ALL THE WAY TO THE SUPPLY DIFFUSERS, RETURN GRILLS OR EXHAUST GRILLS WHETHER OR NOT HARD DUCT OR FLEX DUCT IS SHOWN ON PLANS. FLEX DUCT WILL NOT BE ALLOWED TO DIFFUSERS OR GRILLS ABOVE HARD CEILINGS. FLEX DUCT WILL BE REQUIRED IN AREAS ABOVE T-BAR CEILINGS.
- 22. NEW DUCTWORK, PIPING AND EQUIPMENT SHALL BE COORDINATED WITH STRUCTURE, LIGHTS, REFLECTED CEILING PLANS, CABLE TRAY, ELECTRICAL CONDUIT, PLUMBING, MECHANICAL AND FIRE PROTECTION PIPING, MEDICAL GASES, ALL OTHER TRADES AND ALL OTHER EXISTING CONDITIONS.
- 23. THE CONTRACTOR SHALL INFORM THE DESIGNER OF ANY PROPOSED DEVIATIONS FROM THE CONTRACT DOCUMENTS.
- 24. PROVIDE ACCESS TO ALL TEMPERATURE CONTROLS ABOVE CEILING. LOCATE IN ACCESSIBLE LOCATION. WHERE THERE ARE HARD CEILINGS THE CONTRACTOR SHALL PROVIDE 24"X24" ACCESS DOOR.

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2 LEVEL 2 MECHANICAL PLAN SCALE: 3/16" = 1'-0"

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KEYED NOTES $\langle \# \rangle$

1. ...

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MH102

(3) GUIDE WIRES @____ 120 - 1/8" S.S. CABLE

EXHAUST FAN

MOUNT FAN ON RUBBER VIBRATION ISOLATION PADS 2" THICK CURB DECK > WITH 16 GA. GALV. SHEET METAL COVER & COUNTER FLASHING ROOF CURB

FLASHING

EXHAUST DUCT

ROOF

COMBINATION FIRE SMOKE DAMPER DETAIL

10 GA SLEEVE (TYP)

FUSIBLE ROD

- NEGATOR SPRING

- 1/4" MIN CLEARANCE

INSULATION WHERE NOTED

6" MAX (TYP ALL SIDES)

1-1/2"x1-1/2" ANGLE

SUPPORTS (TYP ALL

OPERATOR\ACTUATOR

AUXILIARY OPERATING JACK SHAFT

ACCESS DOOR -

FUSIBLE LINK WITH LOCK

SIDES)

1" MIN -

OVERLAP

TRUNK

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HYDRONIC SINGLE DUCT TERMINAL UNIT SCHEDULE																			
						AIR							FLUID				PHYSICAL	SOUND	
																	MINIMUM		
										ENTERING	LEAVING			ENTERING/			NO.		
	MANUFACTURER			INLET		HEATING	MAXIMUM	MINIMUM		TEMP.	TEMP.	STATIC	FLOW	LEAVING		HEAD	ROWS/	NC LEVEL:	
	AND			SIZE		AIRFLOW	AIRFLOW	AIRFLOW	LOAD	DB	DB	PRESSURE	RATE	TEMP.	WORKING	LOSS	FINS PER	RADIATED/	
ID	MODEL NUMBER	LOCATION	TYPE	(IN)	USAGE	(CFM)	(CFM)	(CFM)	(BTU/H)	(°F)	(°F)	(IN. H2O)	(GPM)	(°F)	FLUID	(FT)	INCH	DISCHARGE	. N
V-6	TITUS DESV 06	PHARMACY	BASIC, NO ATTEN	6	HEATING	260	260	79	9600	55	95	0.65	2	180/170.2	WATER	2	1/10	16/14	
V-10A	TITUS DESV 10	PHARMACY	BASIC, NO ATTEN	10	HEATING	1150	1150	219	42300	55	95	0.65	2.1	180/138.7	WATER	2	2/10	24/22	
V-10B	TITUS DESV 10	PHARMACY	BASIC, NO ATTEN	10	HEATING	1000	1000	219	36800	55	95	0.65	1.6	180/132.8	WATER	2	2/10	22/20	

	EXHAUST AIR DAMPER SCHEDULE										
	AIR ELECTRICAL PHYSICAL										
					MAXIMUM			WIDTH/			
	MANUFACTURER				AIRFLOW	STATIC		HEIGHT OR			
	AND		CONTROL	BLADE	RATE	PRESSURE		DIAMETER			
ID	MODEL NUMBER	LOCATION	TYPE	OPERATION	(CFM)	(IN. H2O)	VOLT/PH/HZ	(IN)	NOTES		
ATC-PEF-1A	RUSKIN CD50	PEF-1A	2-POSITION	OPPOSED	1600	0.027	24/1/60	16/16			
ATC-PEF-1B	RUSKIN CD50	PEF-1B	2-POSITION	OPPOSED	1600	0.027	24/1/60	16/16			

			GF	RILLES, REGISTERS AND DIFFUSERS
ID	MANUFACTURER	MODEL	MAX NC	DESCRIPTION
CD-1	PRICE	SPD	25	SQUARE PLAQUE FACE CEILING DIFFUSERS: REMOVABLE FACE, FRAME SHALL BE FOR LAY-IN MOUN REQUIRED BY CEILING TYPE. LAY-IN FRAMES SHALL BE 24"X24" OR 12"X12" AS REQUIRED TO FIT CEIL HARD LID CEILING TO BE 24"X24" OR 12"X12" AS REQUIRED TO FIT CEILING SPACE AVAILABLE WITH L/ AS SELECTED BY ARCHITECT.
EG-1	PRICE	PDDR	25	PERFORATED GRILLE: REMOVABLE FACE, FRAME SHALL BE FOR LAY-IN MOUNTING OR SURFACE MO TYPE. LAY-IN FRAMES SHALL BE 24"X24" OR 12"X12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILA 24"X24" OR 12"X12" AS REQUIRED TO FIT CEILING SPACE AVAILABLE WITH LAY-IN PLASTER FRAME. FI ARCHITECT.
RG-1	PRICE	PDDR	25	PERFORATED GRILLE: REMOVABLE FACE, FRAME SHALL BE FOR LAY-IN MOUNTING OR SURFACE MO TYPE. LAY-IN FRAMES SHALL BE 24"X24" OR 12"X12" AS REQUIRED TO FIT CEILING TILE SPACE AVAILA 24"X24" OR 12"X12" AS REQUIRED TO FIT CEILING SPACE AVAILABLE WITH LAY-IN PLASTER FRAME. FI ARCHITECT.
SWR-1	PRICE	630D	25	ALUMINUM RETURN/EXHAUST GRILLE: GRILLES SHALL BE 45 DEGREE DEFLECTION FIXED LOUVER W STEEL DAMPER, BLADES SHALL RUN PARALLEL TO THE LONG DIMENSION. FINISH AS SELECTED BY A

MINIMUM DUCT INSULATION SCHEDULE

	DUCT LOCATION			
	EXTERIOR	UNCONDITIONED SPACE AND BURRIED DUCTS	INDIRECTLY CONDITIONED SPACE	NOTES
SUPPLY AND RETURN DUCTS FOR HEATING AND COOLING	R-12	R-6	R-1.9	1,2,3,4,5,6
SUPPLY AND RETURN DUCTS FOR HEATING ONLY	R-12	R-6	R-1.9	1,2,3,4,5,6
SUPPLY AND RETURN DUCTS FOR COOLING ONLY	R-8	R-6	R-1.9	1,2,3,4,5,6

1. REFER TO ASHRAE 90.1 TABLE 6.8.2 FOR ADDITIONAL INFORMATION.

2. EXTERIOR DUCTS INCLUDES ATTICS ABOVE INSULATED CEILINGS, PARKING GARAGES AND CRAWL SPACES

3. INDIRECTLEY CONDITIONED SPACES INCLUDES RETURN AIR PLENUMS WITH OR WITHOUT EXPOSED ROOFS ABOVE. 4. RETURN DUCTS LOCATED IN INDIRECTLY CONDITIONED SPACE DO NOT REQUIRE INSULATION.

5. WHERE SCHEDULED R-VALUE DIFFERS FROM SPECIFICATIONS THE THICKER DIMENSION SHALL BE USED.

6. VALUES BASED ON CLIMATE ZONE 5.

	DUCT SEALING REQUIREMENTS	
SEAL CLASS	SEALING REQUIREMENTS	APPLICABLE STATIC PRESSURE CONSTRUCTION CLA
A	ALL TRANSVERSE JOINTS, LONGITUDINAL SEAMS, AND DUCT WALL PENETRATIONS	4 INCH WATER GAUGE AND UP
В	ALL TRANSVERSE JOINTS AND LONGITUDINAL SEAMS ONLY	3 INCH WATER GAUGE
С	TRANSVERSE JOINTS ONLY	2 INCH WATER GAUGE

1. PER SMACNA HVAC DUCT CONSTRUCTION STANDARDS

2. WHERE SCHEDULED REQUIREMENTS DIFFER FROM SPECIFICATIONS, THE MORE STRINGENT REQUIREMENT SHALL GOVERN. 3. REFER TO SPECIFICATION 23 31 13 FOR REQUIREMENTS ON WHICH SEAL CLASS TO USE.

	PROJE	CT SCHEDULE			
		OUTSIDE AIR			
			DB/WB/RH	ALTITUDE	
NAME	LOCATION	SCENARIO	(°F/°F/%)	(FT)	NOTES
PKH PHARMACY	PARK CITY, UTAH	WINTER HEATING	3/1.9/71.7	5040	
		SUMMER COOLING	97/62/14.1		

							SPACE S	SCHEDUL	E										
			HEATING								COOLING								
										TARGET								TARGET	1
								PRESSUR-	VENTI-	SPACE						PRESSUR-	VENTI-	SPACE	
			SUPPLY	RETURN	RELIEF	OUTSIDE	EXHAUST	IZATION	LATION	AIR	SUPPLY	RETURN	RELIEF	OUTSIDE	EXHAUST	IZATION	LATION	AIR	
		AREA	AIRFLOW	AIRFLOW	AIRFLOW	AIRFLOW	AIRFLOW	AIRFLOW	AIRFLOW	DB/RH	AIRFLOW	AIRFLOW	AIRFLOW	AIRFLOW	AIRFLOW	AIRFLOW	AIRFLOW	DB/RH	
ID	LOCATION	(FT ²)	(CFM)	(CFM)	(CFM)	(CFM)	(CFM)	(CFM)	(CFM)	(°F/%)	(CFM)	(CFM)	(CFM)	(CFM)	(CFM)	(CFM)	(CFM)	(°F/%)	NOTES
ANTE ROOM	A115	109	800	600	0	200	0	200	0	72/30	800	600	0	200	0	200	0	68/40	1-3
HAZARDOUS COMPOUNDING	A130	97	770	0	0	770	1170	-400	0	72/30	770	0	0	770	1170	-400	0	68/40	1-3
HAZARDOUS RECEIVING	A131	45	0	0	0	0	200	-200	0	72/30	0	0	0	0	200	-200	0	68/40	1-3
NON-HAZARDOUS COMPOUNDING	A114	103	700	600	0	100	0	100	0	72/30	700	600	0	100	0	100	0	68/40	1-3
1. SA, RA & EA CFM AIR FLOW AND OFFSETS ARE AIR B	ALANCING STARTING POINTS. CFM VA	LUES TO BE ADJUS	TED TO MEET PRES	SSURE DIFFERENC	E REQUIREMENT	S.													
2. THE EXHAUST CFM VALUE IS TO BE MAINTAINED WIT	H THE SUPPLY AIR CFM TO BE ADJUS	TED TO MEET STAT	IC PRESSURE REQ	UIREMENTS ON NE	GATIVE PRESSUR	RE SPACES.													
3. THE SUPPLY CFM VALUE IS TO BE MAINTAINED WITH	THE EXHAUST/RETURN AIR CFM TO B	E ADJUSTED TO M	EET STATIC PRESSU	JRE REQUIREMEN	TS ON POSITIVE F	PRESSURE SPACE	S.												

		A	IRFLOW CONTROL VALVE SC	HEDULE					
					AIR		PHYSICAL		
ID	MANUFACTURER AND MODEL NUMBER	LOCATION	ТҮРЕ	AIR TYPE	MAXIMUM AIRFLOW RATE (CFM)	STATIC PRESS. (IN. H2O)	LENGTH/ WIDTH/ HEIGHT (IN)	WEIGHT (LB)	NOTES
CVE-01	PHOENIX TEVA114L-AINHZ-PSL	HAZ COMP	VENTURI, VARIABLE, HORIZ	EXHAUST	1170	1	32.6/11.8/18.1	16	1
CVR-01	PHOENIX TRVA112L-AINHZ-PSL	NHAZ COMP	VENTURI, VARIABLE, HORIZ	RETURN	600	1	32.6/11.8/18.1	16	1
CVR-02	PHOENIX TRVA112L-AINHZ-PSL	ANTE	VENTURI, VARIABLE, HORIZ	RETURN	600	1	32.6/11.8/18.1	16	1
CVS-01	PHOENIX TSVA112L-AINHZ-PSL	NHAZ COMP	VENTURI, VARIABLE, HORIZ	SUPPLY	700	1	32.6/11.8/18.1	16	1
CVS-02	PHOENIX TSVA112L-AINHZ-PSL	ANTE	VENTURI, VARIABLE, HORIZ	SUPPLY	800	1	32.6/11.8/18.1	16	1
CVS-03	PHOENIX TSVA112L-AINHZ-PSL	HAZ COMP	VENTURI, VARIABLE, HORIZ	SUPPLY	770	1	32.6/11.8/18.1	16	1

1. PROVIDE LOW PRESSURE AIRFLOW CONTROL VALVE.

							HYDRO	NIC COIL	SCHEDU	LE								
				AIR						HYDRONIC				PHYSICAL				
															EACH		MINIMUM	1
							ENTERING	LEAVING			ENTERING/				COIL FIN	MINIMUM	NO.	1
	MANUFACTURER			AIRFLOW		SENSIBLE	TEMP.	TEMP.	STATIC	FLOW	LEAVING		HEAD		WIDTH/	FACE	ROWS/	
	AND			RATE	LOAD	LOAD	DB/WB	DB/WB	PRESSURE	RATE	TEMP.	WORKING	LOSS	NO.	HEIGHT	AREA	FINS PER	1
ID	MODEL NUMBER	LOCATION	USAGE	(CFM)	(BTU/H)	(BTU/H)	(°F)	(°F)	(IN. H2O)	(GPM)	(°F)	FLUID	(FT)	COILS	(IN)	(FT ²)	INCH	NOTES
DHC-CVS-01	GREENHECK HW58S01A12	CVS-01	HEATING	700	25800	25800	55/36.1	95/53.6	0.1	1.3	180/140	WATER	0.5	1	18/16.5	2.1	1/10	
DHC-CVS-02	GREENHECK HW58S01A12	CVS-02	HEATING	800	29500	29500	55/36.1	95/53.6	0.1	1.5	180/140	WATER	0.5	1	18/16.5	2.1	1/10	
DHC-CVS-03	GREENHECK HW58S01A12	CVS-03	HEATING	770	28300	28300	55/36.1	95/53.6	0.1	1.5	180/140	WATER	0.5	1	18/16.5	2.1	1/10	

				FAN FILTER	JNIT							
			AIR				ELECTRICAL					
				MAXIMUM								
	MANUFACTURER		INLET	AIRFLOW	AIRFLOW	EXTERNAL STATIC						
	AND		DIAMETER	RATE	RATE	PRESSURE				FILTER	WEIGHT	
ID	MODEL NUMBER	LOCATION	(IN)	(CFM)	(CFM)	(IN W.C.)	VOLTS	PH	AMPS	TYPE	(LBS)	NOTES
FFU-1	PRICE UFFU RSR 24X48 ECM-BC	HAZ. COMP. A130	12	750	385	0.55	115	1	4	HEPA	80	ALL
FFU-2	PRICE UFFU RSR 24X48 ECM-BC	HAZ. COMP. A130	12	750	385	0.55	115	1	4	HEPA	80	ALL
FFU-3	PRICE UFFU RSR 24X48 ECM-BC	ANTE ROOM A115	12	750	400	0.55	115	1	4	HEPA	80	ALL
FFU-4	PRICE UFFU RSR 24X48 ECM-BC	ANTE ROOM A115	12	750	400	0.55	115	1	4	HEPA	80	ALL
FFU-5	PRICE UFFU RSR 24X48 ECM-BC	NON-HAZ. COMP. A114	12	750	350	0.55	115	1	4	HEPA	80	ALL
FFU-6	PRICE UFFU RSR 24X48 ECM-BC	NON-HAZ. COMP. A114	12	750	350	0.55	115	1	4	HEPA	80	ALL

1. PROVIDE ROOM SIDE REPLACEABLE "EVERYTHING"

2. COORDINATE WITH CEILING SYSTEM FOR EXACT SIZE OF UNIT AND FLANGE CONFIGURATION 3. PROVIDE DIGITAL SPEED CONTROLLER AND AIRFLOW INDICATOR LIGHT

4. PROVIDE DUCT COLLAR

5. PROVIDE REMOTE MONITORING AND CONTROL SYSTEM

6. PROVIDE WITH HEPA FILTER 7. MOTORS FOR FAN FILTER UNITS SHALL BE PROVIDED WITH AN ECM MOTOR

8. PROVIDE CHALLENGE AND PRESSURE PORTS TO FAN FILTER UNITS.

9. PROVIDE WITH BACNET CONTROLLER. 10. PROVIDE WITH 5000K DOUBLE ROW INTEGRAL LED LIGHITS.

11. PROVIDE 100% BUBBLE TIGHT SHUTOFF DAMPER JUST DOWNSTREAM OF AIR CONTROL VALVE.

					EXHAUS	ST AIR FA	N SCHED	ULE									
					AIR				FAN			ELECTRICA	L			PHYSICAL	
					MAXIMUM	TOTAL	EXTERNAL	MAX		FAN						LENGTH/]
	MANUFACTURER				AIRFLOW	STATIC	STATIC	AIR	FAN	WHEEL	STATIC	MOTOR	MOTOR	MOTOR		WIDTH/	
	AND				RATE	PRESSURE	PRESSURE	TEMP.	SPEED	DIA.	EFF.	SIZE	BHP	SPEED		HEIGHT	
ID	MODEL NUMBER	LOCATION	QTY	TYPE	(CFM)	(IN. H2O)	(IN. H2O)	(°F)	(RPM)	(IN)	(%)	(HP)	(HP)	(RPM)	VOLT/PH/HZ	(IN)	NOTES
PEF-1A	COOK 135 CPA	ROOF	1	B-INCL FLAT AL VENT SET, BELT	1600	2.3	1.78	72	2087	13.5	73	1	0.798	1725	460/3/60	26.8/37.5/38.3	1-6
PEF-1B	COOK 135 CPA	ROOF	1	B-INCL FLAT AL VENT SET, BELT	1600	2.3	1.78	72	2087	13.5	73	1	0.798	1725	460/3/60	26.8/37.5/38.3	1-6
1. PROVIDE WITH VARI	ABLE SPEED DRIVE.																
2. VARIABLE SPEED DF	RIVE TO BE PROVIDED BY DIVISION 23.																
3 EXHAUST FAN TO BE	ON EMERGENCY POWER																

4. PROVIDE WITH NEMA 4 OUTDOOR ENCLOSURE. 5. VARIABLE SPEED DRIVE TO BE INSTALLED AT ROOF AND ON STAND. 6. VARIABLE SPEED DRIVE TO DISPLAY TO FACE NORTH.

					DETUD												
					RETUR	N AIR FAI	N SCHEDI	JLE									
					AIR				FAN			ELECTRICA	\L			PHYSICAL	
					MAXIMUM	TOTAL	EXTERNAL	MAX		FAN						LENGTH/	
	MANUFACTURER				AIRFLOW	STATIC	STATIC	AIR	FAN	WHEEL	STATIC	MOTOR	MOTOR	MOTOR		WIDTH/	
	AND				RATE	PRESSURE	PRESSURE	TEMP.	SPEED	DIA.	EFF.	SIZE	BHP	SPEED		HEIGHT	
ID	MODEL NUMBER	LOCATION	QTY	TYPE	(CFM)	(IN. H2O)	(IN. H2O)	(°F)	(RPM)	(IN)	(%)	(HP)	(HP)	(RPM)	VOLT/PH/HZ	(IN)	NOTES
PBF-1	COOK 100 MPA9-80	PHARMACY	1	INLINE, SQUARE CENTRIF, DIRECT	1450	1.2	1.11	72	3450	10.5	0	1	0.563	3450	460/3/60	25/18/19	1-5
I. PROVIDE STATIC PR	ESSURE SENSOR BETWEEN CVR & PBF	-1.															

2. PROVIDE WITH VARIABLE SPEED DRIVE. VARIABLE SPEED DRIVE TO BE PROVIDED BY DIVISION 23.
 PBF-1 TO BE SET TO MAINTAIN 0.5" IN DUCTWORK BETWEEN FAN AND CVR.

5. EXHAUST FAN TO BE ON EMERGENCY POWER.

		VARIABLE	SPEED DRIV	E SCHEDULE				
					ELECTRICAL		PHYSICAL	
							LENGTH/	7
	MANUFACTURER				MOTOR		WIDTH/	
	AND				SIZE	MOTOR	HEIGHT	
ID	MODEL NUMBER	LOCATION	QTY	TYPE	(HP)	VOLT/PH/HZ	(IN)	NOTES
VSD-PEF-1B	REFER TO SPECIFICATION	PEF-1B	1	NEMA 1, DRIVE ONLY	1	460/3/60		
VSD-PEF-1A	REFER TO SPECIFICATION	PEF-1A	1	NEMA 1, DRIVE ONLY	1	460/3/60		

			ST	ACK SCHED	ULE				
					AIR		PHYSICAL		
					MAXIMUM				
	MANUFACTURER				AIRFLOW	STATIC	TOTAL	THROAT	
	AND				RATE	PRESSURE	HEIGHT	DIAMETER	
ID	MODEL NUMBER	LOCATION	TYPE	AIR TYPE	(CFM)	(IN. H2O)	(IN)	(IN)	NOTES
STK-PEF-1A	BY CONTRACTOR	PEF-1A	FLAT	EXHAUST	1600	0.5	120	10	1-2
STK-PEF-1B	BY CONTRACTOR	PEF-1B	FLAT	EXHAUST	1600	0.5	120	10	1-2

1. PROVIDE WITH 9.5" CONE OUTLET AT STACK EXIT. 2. TOP OF STACK TO BE A MINIMUM OF 10'-0" ABOVE FINISHED ROOF ELEVATION.

NG OR SURFACE MOUNT AS	
IG TILE SPACE AVAILABLE.	
-IN PLASTER FRAME. FINISH	

MOUNT AS REQUIRED BY CEILING NILABLE. HARD LID CEILING TO BE ... FINISH AS SELECTED BY

MOUNT AS REQUIRED BY CEILING NILABLE. HARD LID CEILING TO BE ... FINISH AS SELECTED BY

WITH 3/4 IN ON CENTER SPACING, Y ARCHITECT.

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1) MH701 SCHEMATICS SCALE: N.T.S.

SCHEMATIC LEGEND

đ	AIR VENT - MANUAL		TANK - RECIEVER
	CHECK VALVE		SENSOR - SIGNET FLOW AND INDICATOR
	CHECK VALVE - NON-SLAM		SENSOR - AIRFLOW STATION
đ	CHECK VALVE - PRESSURE RELIEF	Ō	STRAINER - BASKET
€C ∎	CONDENSATE - COOLER	Ŷ	STRAINER - WITH BLOWDOWN VALVE
	CONDENSATE - NEUTRALIZER		TEMPERATURE AND PRESURE TEST PORT (TTE & PTE)
	CONNECTOR - FLEXIBLE	Π	THERMAL WELL
Ф	CONNECTOR - FLANGE		TRAP - APT PUMP/STEAM
þ	CONNECTOR - INDIRECT TO FLOOR SINK	T.	TRAP - F & T
ф	CONNECTOR - UNION	Ð	TRAP - INVERTED BUCKET
	CONTROL VALVE - 2 WAY BALL - (PIPE<2")	₹.	TRAP - THERMODYNAMIC W/ BLOWDOWN
	CONTROL VALVE - 2 WAY BUTTERFLY - (PIPE>2")	0 GPM ത	VALVE - BALANCING
	CONTROL VALVE - 3 WAY BALL - (PIPE<2")	Ľ.	VALVE - BALL (PIPE<2")
	CONTROL VALVE - 3 WAY BUTTERFLY - (PIPE>2")	ţ	VALVE - BUTTERFLY (PIPE>2")
Ŷ	GUAGE - PRESSURE WITH SHUT-OFF COCK	[H	VALVE - DRAIN
Ψ	GUAGE - TEMPERATURE	DH ⊡	VALVE - DRAIN WITH HOSE END
	METER - FLOW	五	VALVE - GATE
Â	PRV - DIRECT ACTING	禹	VALVE - GLOBE
	PRV - PILOT OPERATED	吾 ^{MH}	VALVE - MAKE-UP WATER SELF FILL WITH HOSE END
Ц Ф	PRV - SELF COMPENSATING	ф	VALVE - PLUG COCK
एन ्ट्रेम्	REDUCED PRESSURE BACKFLOW PREVENTOR (RPBP)	E E	VALVE - SOLENOID
骨	RELIEF VALVE - PRESSURE	VSD	VARIABLE SPEED DRIVE
× €	RELIEF VALVE - VACUUM	STR	STARTER

0.5	=	0.0	<	1.6 (GPIVI)
0.75"	=	0.6	TO	3.5 (GPM)
1.0"	=	3.6	TO	6.3 (GPM)
1.25"	=	6.7	TO	14 (GPM)
1.5"	=	14.1	TO	21 (GPM)
2.0"	=	21.1	TO	42 (GPM)
2.5"	=	42.1	TO	66 (GPM)
3.0"	=	66.1	TO	120 (GPM)
4.0"	=	120.1	то	240 (GPM)
6.0"	=	240.1	TO	600 (GPM)
8.0"	=	600.1	TO	1000 (GPM)
10.0"	=	1000.1	TO	1600 (GPM)
12.0"	=	1600.1	TO	2400 (GPM)

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2 LEVEL 2 PLUMBING PLAN SCALE: 3/16" = 1'-0"

 $\langle \# \rangle$

KEYED NOTES

1. ALL DEMOLISHED PIPES ARE TO BE REMOVED BACK TO MAINS. NO DEAD SERVICE LEGS TO REMAIN, TYPICAL FOR ALL NEW AND EXISTING PIPING PART OF THIS PROJECT.

2. ALL PLUMBING WASTE, VENT, AND DOMESTIC WATER LINES LOCATED IN CEILING SPACE ABOVE TO BE PROVIDED WITH LEAK PROTECTION PANS.

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PL101

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	PLUMBING FIXTURE SCHEDULE								
	CW HW W V								
ID	FIXTURE	(IN)	(IN)	(IN)	(IN)	NOTES			
FD-1	FLOOR DRAIN		-:-	2	1 1/2	FLOOR DRAIN: CAST IRON BODY WITH FLASHING COLLAR, 6-INCH ROUND NICKEL BRONZE ADJUSTABLE STRAINER HEAD, AND SECURED GRATE. P-TRAP: JAY R. SMITH #7220T - DEEP SEAL CAST IRON TRAP. PROVIDE WITH NO-HUB ADAPTOR FIGURE 2646Y AS REQUIRED. TRAP SEAL: RECTORSEAL #SS2009V, SS3009V, SS3509, & SS4009 - WATERLESS INLINE DRAIN TRAP SEAL. HIGH DENSITY PLY ETHYLENE HOUSEING WITH HEAVY DUTY SILICONE DIAPHRAGM AND SOFT EDPM SEALILING GASKET.			
L-1	LAVATORY	1/2	1/2	1 1/2	1 1/2	.VATORY (WALL HUNG): KOHLER GREENWICH #K-2032 - 20" X 18", "D" SHAPED BOWL, VITREOUS CHINA, WALL-MOUNT LAVATORY WITH DUAL FRONT OVERFLOW, 4" FAUCET CENTERS; K-7129-CP OPEN GRID POLISHED CHROME 'RAINER. FAUCET: CHICAGO FAUCETS #786-GN2FCABCP - 8" FIXED CENTERS, 5-1/4" RIGID/SWING GOOSENECK SPOUT, VANDAL PROOF 4" WRIST BLADES, 0.5 GPM LAMINAR FLOW CONTROL IN SPOUT INLET. MIXING VALVE: WATTS .FUSG-B-M2 - LEAD FREE, 3/8" MALE COMPRESSION, BRASS 4-PORT "H" PATTERN BODY. VALVE TO INCLUDE WATTS #LF7R DUAL CHECK VALVES, INLET SCREENS, AND ADJUSTABLE NUT WITH LOCKING FEATURE. SUPPORT: JAY R, .ITH #0700 - FIXTURE SUPPORT SHALL HAVE CONCEALED ARMS WITH POSITIVE MECHANICAL LOCKING DEVICE. ARMS SHALL BE FULLY ADJUSTABLE AFTER INSTALLATION OF FINISHED WALL. UPRIGHTS SHALL BE HIGH-STRENGTH TEEL WITH WELDED BASES SECURELY BOLTED TO FLOOR CONSTRUCTION. SUPPLY LINE: BRASSCRAFT SPEEDIT PLUMB PLUS - FLEXIBLE STAINLESS STEEL SUPPLY LINE WITH REINFORCED PVC INNER HOSE, POLYMER-BRAIDED .CKET, DEEP THREADS, AND RUBBER SEAL. ANGLE STOP: BRASSCRAFT #KTSCR19X - 1/4 TURN BRASS BODY, CHROME POLISHED, ANGLE BALL STOP, WITH LOOSE KEY. P-TRAP: DEARBORN #701-1 - CAST BRASS AND CHROME PLATE .TRAP WITH CLEANOUT. LAV GUARD: TRUEBRO LAV GUARD 2 EZ - ADA COMPLIANT MOLDED VINYL UNDERSINK ANGLE STOP, SUPPLY TUBE, AND P-TRAP WHITE COLORED PROTECTIVE COVER.			
S-1	BREAKROOM SINK	1/2	1/2	2	1 1/2	SINK: JUST MANUFACTURING #USN-ADA-1816-A 16" X 14" X 5-1/2" I.D UNDER MOUNT, 18 GUAGE TYPE 304 STAINLESS STEEL, FULLY COATED UNDER-SIDE INSULATE. STRAINER: JUST MANUFACTURING J-35 - 304 STAINLESS STEEL OPEI GRID STRAINER AND CRUMB CUP STRAINER. FAUCET: CHICAGO FAUCET #786-GN8FCXKABCP - 8" FIXED CENTERS, 8" RIGID/SWING GOOSENECK SPOUT, VANDAL PROOF 4" WRIST BLADES, 1.5 GPM LAMINAR FLOW CONTROL IN SPOUT INLET. SUPPLY LINE: BRASSCRAFT SPEEDIT PLUMB PLUS - FLEXIBLE STAINLESS STEEL SUPPLY LINE WITH REINFORCED PVC INNER HOSE, POLYMER-BRAIDED JACKET, DEEP THREADS, AND RUBBER SEAL. ANGLE STOP: BRASSCRAFT #KTSCR19X - 1/4 TURN BRASS BODY, CHROME POLISHED, ANGLE BALL STOP, WITH LOOSE KEY. P-TRAP: DEARBORN BRASS #701-1- CAST BRASS AND CHROME PLATED P-TRAP WITH CLEANOUT.			
S-2	PHARMACY HAND WASH SINK	1/2	1/2	2	1 1/2	SINK (WALL HUNG): KOHLER GREENWICH #K-2032 - 20" X 18", "D" SHAPED BOWL, VITREOUS CHINA, WALL-MOUNT LAVATORY WITH DUAL FRONT OVERFLOW, 4" FAUCET CENTERS; #K-7129-CP OPEN GRID POLISHED CHROME STRAINER. FAUCET: CHICAGO FAUCETS #786-GN2FCABCP - 8" FIXED CENTERS, 5-1/4" RIGID/SWING GOOSENECK SPOUT, VANDAL PROOF 4" WRIST BLADES, 0.5 GPM LAMINAR FLOW CONTROL IN SPOUT INLET. MIXING VALVE: WATTS #LFUSG-B-92 LEAD FREE, 3/8" MALE COMPRESSION, BRASS 4-PORT "H" PATTERN BODY, VALVE TO INCLUDE WATTS #LF7R DUAL CHECK VALVES, INLET SCREENS, AND ADJUSTABLE NUT WITH LOCKING FEATURE. SUPPORT: JAY R, SMITH #0700 - FIXTURE SUPPORT SHALL HAVE CONCEALED ARMS WITH POSITIVE MECHANICAL LOCKING DEVICE. ARMS SHALL BE FULLY ADJUSTABLE AFTER INSTALLATION OF FINISHED WALL. UPRIGHTS SHALL BE HIGH-STRENGTH STEEL WITH WELDED BASES SECURELY BOLTED TO FLOOR CONSTRUCTION. SUPPLY LINE: BRASSCRAFT SPEEDIT PLUMB PLUS - FLEXIBLE STAINLESS STEEL SUPPLY LINE WITH REINFORCED PVC INNER HOSE, POLYMER-BRAIDED JACKET, DEEP THREADS, AND RUBBER SEAL. ANGLE STOP: BRASSCRAFT #KTSCR19X - 1/4 TURN BRASS BODY, CHROME POLISHED, ANGLE BALL STOP, WITH LOOSE KEY. P-TRAP: DEARBORN #701-1 - CAST BRASS AND CHROME PLATED P-TRAP WITH CLEANOUT. LAV GUARD: TRUEBRO LAV GUARD 2 EZ - ADA COMPLIANT MOLDED VINYL UNDERSINK ANGLE STOP, SUPPLY TUBE, AND P-TRAP WHITE COLORED PROTECTIVE COVER.			
S-3	SCRUB SINK	1/2	1/2	2	1 1/2	SCRUB SINK & FAUCET (WALL HUNG): MAC MEDICAL #SS32 - SINGLE STATION, 14 GUAGE 304 STAINLESS STEEL, OPTIONAL EYEWASH, OPTIONAL SCRUB TIMER, KNEE OPERATED WATER/SOAP, HIGH MOUNT SWIVEL GOOSENECK SPOU AND OPTIONAL IN WALL CHAIR CARRIER SYSTEM #S0001. MIXING VALVE: WATTS #LFUSG-B-M2 - LEAD FREE, 3/8" MALE COMPRESSION, BRASS 4-PORT "H" PATTERN BODY. VALVE TO INCLUDE WATTS #LF7R DUAL CHECK VALVES, INLET SCREENS, AND ADJUSTABLE NUT WITH LOCKING FEATURE. SUPPLY LINE: BRASSCRAFT SPEEDIT PLUMB PLUS - FLEXIBLE STAINLESS STEEL SUPPLY LINE WITH REINFORCED PVC INNER HOSE, POLYMER-BRAIDED JACKET, DEEP THREADS, AND RUBBER SEAL. ANGLE STOP: BRASSCRAFT #KTSCR19X - 1/4 TURN BRASS BODY, CHROME POLISHED, ANGLE BALL STOP, WITH LOOSE KEY. P-TRAP: DEARBORN #701-1 - CAST BRASS AND CHROME PLATED P-TRAP WITH CLEANOUT.			
WC-1	WATER CLOSET	1		3	2	WATER CLOSET (FLOOR MOUNTED) ADA: KOHLER #K-96057 HIGHCLIFF ULTRA VITREOUS CHINA, ELONGATED BOWL, VITREOUS CHINA, SYPHON JET FLUSHING, 2-1/4" PASSAGEWAY, AND 1-1/2" TOP SPUD. TOILET SEAT: BEMIS #3155CT "DURAGUARD", ELONGATED, COLOR WHITE, SOLID PLASTIC, OPEN-FRONT LESS COVER, AND NON SELF-SUSTAINING CHECK HINGES. FLUSH VALVE (MANUAL) ADA: SLOAN ROYAL #111-1.28-SG - 1.28 GPF, POLISHED CHROME FINISH, SINGLE FLUSH, AND SANIGARD HANDLE. INSTALL HANDLE AT OPENSIDE OF TOILET.			

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QVMDOU	
A5	DETAIL INDICATOR: A5 INDICATES DETAIL NUMBER, E-501
E-501	INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
02	
A5	ELEVATION OR SECTION INDICATOR, EXTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING
E-201	SHEET WHERE ELEVATION OR SECTION IS SHOWN.
03	
A5	ELEVATION OR SECTION INDICATOR, INTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING
	SHEET WHERE ELEVATION OR SECTION IS SHOWN.
04 100	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.
05 (1)	KEYNOTE INDICATOR.
	REVISION INDICATOR.
09	
<u> </u>	BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING
	BREAK, ROUND
12	NEW LINE: MEDIUM LINE.
13	HIDDEN FEATURES LINE: HIDDEN, THIN LINE
14	EXISTING TO REMAIN LINE: THIN LINE.
15	
	WIRING.
	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND
A-1.3.5	NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE
, <i>-,•</i>	INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.
05	BRANCH CIRCUIT HOME RUN TO PANELBOARD' NUMBER OF
	ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS
A-1.3.5	NUMBER IN BOX REFERS TO THE CONDUCTOR AND CONDUIT SCHEDULE. FOR BRANCH WIRING USE #12 CONDUCTORS,
711,0,0	EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL
	SPECIFICATIONS.
⁰⁷	FLEXIBLE WIRING.
08	WIRING AND/OR RACEWAY: THIN LINE. WHERE "X" = :
	CATV = CABLE TELEVISION NC = NURSE CALL
— x —	TELEVISION RC = RIGID CONDU
	FO = FIBER OPTICS T = TELEPHONE
00	WIRING SHALL BE SIZED AS SHOWN AND/OR SPECIFIED.
	LOW VOLTAGE WIRING: DIVIDE, MEDIUM LINE.
10 🔶	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK.
11 1	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER
<u>12</u> HC	ADA ACCESS PUSH PLATE
13	
U 14	JUNCTION BOX.
• • • • • • • • • • • • • • • • • • •	
D _{SE}	ROUGH-IN PER SECURITY DRAWINGS.
	CABLE TRAY ABOVE ACCESSIBLE CEILING.
20 W W	WIREWAY.
21	EARTH GROUND (ONE-LINE DIAGRAM).
 ²²	
♥C 23	
111	
•	SCHEDULE FOR REQUIREMENTS.
LIGHTING (REFER TO FIXTURE SCHEDULE FOR SYMBOLS)
01 (W-3)	
	SCHEDULED.
02	
(• • - 3)	CONNECTED TO GENERATOR AS INDICATED: (W-3) INDICATES
03	
EM	EMERGENCY.
04 NL	NIGHT LIGHT: DO NOT SWITCH.
⁰⁵ ↑	EGRESS DIRECTION ARROW (EXIT SIGNS).
07	EXIT SIGN: SINGLE FACE; CEILING MOUNTED
<u> </u>	
10 -	EXIT SIGN: DOUBLE FACE; CEILING MOUNTED
	EXIT SIGN: DOUBLE FACE; WALL MOUNTED
	CONTROL
01 ; : <	OCCUPANCY SENSOR, DUAL TECHNOLOGY,
02	OCCUPANCY SENSOR, DUAL TECHNOLOGY WALL
т ⁰³ ~	
\odot	OCCUPANCY SENSOR, DUAL TECHNOLOGY, DIRECTIONAL.
06	VACANCY SENSOR, DUAL TECHNOLOGY,
06	OMNI-DIRECTIONAL, CEILING.
06 07	OMNI-DIRECTIONAL, CEILING. VACANCY SENSOR, DUAL TECHNOLOGY, WALL.
06 07 18 a.b	OMNI-DIRECTIONAL, CEILING. VACANCY SENSOR, DUAL TECHNOLOGY, WALL. LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCH: LETTER
06 07 18 ■ \$	OMNI-DIRECTIONAL, CEILING. VACANCY SENSOR, DUAL TECHNOLOGY, WALL. LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCH: LETTER "a,b" INDICATES ZONING WHERE SHOWN (REFER TO PLANS, SCHEDULES, AND DETAILS FOR EXACT BUTTON CONFIGURATION
06 07 18 ■ 18 ■ 19	OMNI-DIRECTIONAL, CEILING. VACANCY SENSOR, DUAL TECHNOLOGY, WALL. LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCH: LETTER "a,b" INDICATES ZONING WHERE SHOWN (REFER TO PLANS, SCHEDULES, AND DETAILS FOR EXACT BUTTON CONFIGURATIC AND PROGRAMMING REQUIREMENTS)
06 07 18 a,b ≸ 19 DC 20 —	OMNI-DIRECTIONAL, CEILING. VACANCY SENSOR, DUAL TECHNOLOGY, WALL. LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCH: LETTER "a,b" INDICATES ZONING WHERE SHOWN (REFER TO PLANS, SCHEDULES, AND DETAILS FOR EXACT BUTTON CONFIGURATIC AND PROGRAMMING REQUIREMENTS) DIGITAL LIGHTING DIMMING CONTROLLER
06 07 18 a,b 5 19 DC 20 LC	OMNI-DIRECTIONAL, CEILING. VACANCY SENSOR, DUAL TECHNOLOGY, WALL. LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCH: LETTER "a,b" INDICATES ZONING WHERE SHOWN (REFER TO PLANS, SCHEDULES, AND DETAILS FOR EXACT BUTTON CONFIGURATIC AND PROGRAMMING REQUIREMENTS) DIGITAL LIGHTING DIMMING CONTROLLER DIGITAL PLUG LOAD CONTROLLER
06 07 18 a,b 5 19 DC 20 LC 23 RC	OMNI-DIRECTIONAL, CEILING. VACANCY SENSOR, DUAL TECHNOLOGY, WALL. LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCH: LETTER "a,b" INDICATES ZONING WHERE SHOWN (REFER TO PLANS, SCHEDULES, AND DETAILS FOR EXACT BUTTON CONFIGURATIO AND PROGRAMMING REQUIREMENTS) DIGITAL LIGHTING DIMMING CONTROLLER DIGITAL PLUG LOAD CONTROLLER DIGITAL LIGHTING ROOM CONTROLLER
06 07 18 a,b 5 19 DC 20 LC 23 RC 26 LC 24 LC	OMNI-DIRECTIONAL, CEILING. VACANCY SENSOR, DUAL TECHNOLOGY, WALL. LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCH: LETTER "a,b" INDICATES ZONING WHERE SHOWN (REFER TO PLANS, SCHEDULES, AND DETAILS FOR EXACT BUTTON CONFIGURATIO AND PROGRAMMING REQUIREMENTS) DIGITAL LIGHTING DIMMING CONTROLLER DIGITAL PLUG LOAD CONTROLLER DIGITAL LIGHTING ROOM CONTROLLER LIGHTING SPACE CONTROL TYPE. X INDICATES TYPE. SEE

SYMBOLS LEGEND SYMBOL | DESCRIPTION **WIRING DEVICES** RECEPTACLE, DUPLEX: NEMA 5-20R. D RECEPTACLE, DUPLEX, ABOVE COUNTER: NEMA 5-20R. ΦA RECEPTACLE, DUPLEX, CEILING: NEMA 5-20R. Фc RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, DRINKING FOUNTAIN: CONCEAL WATER COOLE RECEPTACLE BEHIND WATER COOLER. SEE ⊕ DF MECHANICAL/PLUMBING SHOP DRAWINGS FOR INSTALLATION REQUIREMENTS. RECEPTACLE, DUPLEX, ISOLATED GROUND: NEMA 5-20R. Φig RECEPTACLE, DUPLEX, HOSPITAL GRADE: NEMA 5-20R. RECEPTACLE, DUPLEX ON EMERGENCY POWER: NEMA 5-20F Ö RECEPTACLE, DUPLEX, HOSPITAL GRADE ON EMERGENCY POWER: NEMA 5-20R. - 0 RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R. RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE: NEMA 5-20R. \oplus RECEPTACLE. DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER: NFMA 5-20R RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT \bigoplus WP INTERRUPTER, WEATHERPROOF: NEMA 5-20R. RECEPTACLE, DUPLEX, RECESSED: NEMA 5-20R. RECEPTACLE, DUPLEX, SWITCHED, RECESSED: NEMA 5-20R. Фs RECEPTACLE, QUADRAPLEX: NEMA 5-20R. ⊕ RECEPTACLE, QUADRAPLEX ON EMERGENCY **•** POWER: NEMA 5-20R. RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE: NEMA 5-20R. RECEPTACLE, QUADRAPLEX, HOSPITAL GRADE ON EMERGENO POWER: NEMA 5-20R. -RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R. ⊕ RECEPTACLE, SPECIAL PURPOSE. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG. RECEPTACLE, SPECIAL PURPOSE ON EMERGENCY POWER. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG. RECEPTACLE, DRYER: NEMA 14-30R. ₩D RECEPTACLE, RANGE: NEMA 14-50R. ₩R —C RECEPTACLE, CLOCK HANGER: NEMA 5-15R. MULTI-OUTLET ASSEMBLY: NEMA 5-20R. (D)DROP CORD. SEE DETAIL. THERMOSTAT. FLUSH FLOOR BOX. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL FB# SPECIFICATIONS FOR CONFIGURATION AND DEVICES. POWER POLE. "#" SHOWN ON DRAWINGS. REFER TO WIRING PP# DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES. FLUSH FIRE RATED POKE THRU. "#" SHOWN ON DRAWINGS. PT# REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES. SWITCH, DIMMER. Ф SWITCH, SINGLE POLE ("x" INDICATES FIXTURES CONTROLLE SWITCH, DOUBLE POLE ("x" INDICATES FIXTURES CONTROLLE SWITCH, THREE-WAY ("x" INDICATES FIXTURES CONTROLLED SWITCH, FOUR-WAY ("x" INDICATES FIXTURES CONTROLLED) SWITCH, DOOR. \$DS SWITCH, KEY OPERATED. \$K SWITCH, LOW VOLTAGE MASTER. \$LM SWITCH, MOMENTARY \$M SWITCH, OCCUPANCY SENSOR. \$OS SWITCH, PILOT LIGHT. \$Ρ SWITCH, TIMER OPERATED. \$Т SWITCH, WEATHERPROOF. \$WP RECEPTACLE, DUPLEX, TAMPER RESISTANT: NEMA 5-20R. Φт RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE: NEMA 5-20R. € RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, HOSPITAL GRADE ON EMERGENCY POWER: . NEMA 5-20R. RECEPTACLE, SINGLE PLEX, WITH USB OUTLET RECEPTACLE, DULEX, RECESSED, NEMA 5-20R, AUTOMATICALI CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD) RECEPTACLE, QUADRAPLEX, RECESSED, NEMA 5-20R, AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPAN BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD) INDICATES A RECEPTACLE IS AUTOMATICALLY CONTROLLED # THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER PLANS FOR CONTROL METHOD) STRUCTURED CABLING IHC IHC COMMUNICATIONS DEVICE (1 DATA). IHC COMMUNICATIONS DEVICE (1 DATA / 1 ANALOG) IHC COMMUNICATIONS DEVICE (1 DATA WALL PHONE) \mathbb{A} IHC COMMUNICATIONS DEVICE (2 DATA). V ▼3 IHC COMMUNICATIONS DEVICE (3 DATA). IHC COMMUNICATIONS DEVICE (4 DATA). **▼**6 IHC COMMUNICATIONS DEVICE (6 DATA). VM IHC COMMUNICATIONS DEVICE PHYSIOLOGICAL MONITOR (1 DATA). WAP IHC COMMUNICATIONS DEVICE WIRELESS ACCESS POINT (2 DATA).

	SYMBOLS LEGEND							
	SYMBOL	DESCRIPTION						
		DISCONNECT, FUSED (ONE-LINE DIAGRAM).						
_ER	03	DISCONNECT, NONFUSED (ONE-LINE DIAGRAM).						
N	04							
		DISCONNECT WITH FUSE AND MOTOR STARTER COMBINATION						
R								
	⁰⁵ S	OVERLOAD RELAY (ONE-LINE DIAGRAM).						
	Ś	STARTER (ONE-LINE DIAGRAM).						
		CIRCUIT BREAKER, MOLDED CASE (ONE-LINE DIAGRAM).						
	08							
		CIRCUIT BREAKER, MOLDED CASE WITH SHUNT TRIP (ONE-LINE DIAGRAM).						
	10							
		CIRCUIT BREAKER, SOLID STATE (ONE-LINE DIAGRAM).						
ICY		CIRCUIT BREAKER, SOLID STATE WITH GROUND FAULT						
	GFP	PROTECTION (ONE-LINE DIAGRAM).						
)	16	MOTOR.						
		TRANSFORMER (ONE-LINE DIAGRAM).						
	20	DELTA CONNECTION (ONE-LINE DIAGRAM)						
		WYE CONNECTION (ONE-LINE DIAGRAM).						
	23							
	"1H"	PANELBOARD WITH MAIN LUGS ONLY. BUS SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).						
	225/3	PANELBOARD WITH MAIN CIRCUIT BREAKER. SIZE AND PHASE						
;	"1H"	AS SHOWN (ONE-LINE DIAGRAM).						
	25							
	•)225/3 "1H"							
		(ONE-LINE DIAGRAM).						
D).	60/3							
ED).	225/3 "1H" "1H"	PANELBOARD WITH SUB FEED LUGS (ONE-LINE DIAGRAM).						
).								
	"1H" "1H"	PANELBOARD WITH CIRCUIT BREAKER AND SUB FEED LUGS (ONE-LINE DIAGRAM).						
	29 							
		CT CABINET PER UTILITY'S REQUIREMENTS (ONE-LINE DIAGRAM).						
		TRANSFER SWITCH (ONE-LINE DIAGRAM).						
	32 32							
		DIGITAL MULTIMETER (ONE-LINE DIAGRAM).						
	³³ • ↓ ı	SERVICE ENTRANCE SURGE PROTECTION (ONE-LINE DIAGRAM).						
	³⁴ -©	GENERATOR, ANNUNCIATOR (ONE-LINE DIAGRAM).						
	³⁵ G	GENERATOR, POWER (ONE-LINE DIAGRAM).						
	36 M							
	VFC VFD 41	DIAGRAM).						
LLY								
	43	STARTER, COMBINATION WITH DISCONNECT SWITCH.						
ICY D)	44	STARTER OR MOTOR CONTROLLER.						
го	45	PUSHBUTTON.						
-	46	PUSHBUTTONS, MOTOR CONTROL.						
	48	PANELBOARD CABINET, FLUSH MOUNTED.						
	49	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.						
	50							
	DP#	DISTRIBUTION PANEL OR SWITCHBOARD.						
	51	LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.						
	52 –	LIGHTING CONTROL STATION.						
	55 \$ST	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.						
	75	TRANSFORMER: NUMBER INDICATES kVA.						

	SYMBOLS LEGEND
	DESCRIPTION
υ ³ μ(S) "	SPEAKER, WALL MOUNTED.
2^{1}	EQUIPMENT CABINET.
40 CP#	CONNECTION PANEL.
NURSE CA	LL
⁰¹ O	JUNCTION BOX.
D2	CORRIDOR LIGHT.
D3 B	BATHROOM PULL CORD STATION.
	DUTY STATION.
	EMERGENCY ASSISTANCE CALL STATION.
	EMERGENCY ASSISTANCE CODE BLUE CALL STATION.
	PATIENT STATION.
	TOUCH SCREEN NURSE CALL MASTER STATION.
D1-P	
)2V	
⁰⁴ M	CCTV MONITOR.
	CCTV CAMERA/ENCLOSURE WITH LENS, TYPICAL. SEE SCHEDULE.
	I
)1X	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE.
ACC	ACCESS CONTROL HEADEND EQUIPMENT.
CTR	SECURITY CONTROL PANEL.
SEC	INTRUSION DETECTION HEADEND EQUIPMENT.
^{D5} #1	CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE.
	CARD READER.
	KEYPAD/CARD READER COMBINATION.
	DOOR SWITCH, BALANCED MAGNETIC CONTROL.
• • ER	EXIT REQUEST.
21 (IR)	PASSIVE INFRARED SENSOR.
<u>Р</u>	PANIC DURESS SWITCH.
)2TR_	
	COMBINER
	DIRECTIONAL COUPLER.
^{D5}	
DA	DISTRIBUTION AMPLIFIER (ONE-LINE DIAGRAM).
< SPL	SPLITTER (ONE-LINE DIAGRAM).
	TV OUTLET.
³⁸	SATELLITE ANTENNA.
	TV ANTENNA (ONE-LINE DIAGRAM).
··· -/W-	TERMINATOR, 75 OHM (TV DISTRIBUTION).
	M
FSA	FIRE SYSTEM ANNUNCIATOR.
FCP	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
)7	
	FIRE ALARM MANUAL PULL STATION
<u>і</u> ¹¹ д	MAGNETIC DOOR HOLDER.
15	DETECTOR, SMOKE.
	DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.
25 X	DETECTOR, HEAT. STROBE.
	ALARM, HORN/SPEAKER, WEATHERPROOF.
	ALARM, HORN/STROBE, ONE ASSEMBLY.
S7	SMOKE DAMPER.
38	FIRE AND SMOKE DAMPER.
(@) FSD	BELL (GONG).
	DETECTOR, CARBON MONOXIDE.
⁴² DX 175	ALARM, HORN/STROBE, ONE ASSEMBLY, CEILING MOUNTED.
	ALARM, HORN, CEILING MOUNTED. SUBSCRIPT INDICATES
4 (2) 75	ALARM, STROBE, CEILING MOUNTED. SUBSCRIPT
-	

ABBREVIATIONS

	NOTE: ALL ABBREVIAT	IONS MAY	NOT BE USED.
1P	SINGLE POLE	kV	KILOVOLT
1PH	SINGLE-PHASE	kVA	KILOVOLT AMP
100AY 2/C		KVAR kW	
2/0 2WAY	TWO-WAY	kWh	KILOWATT HOL
3/C	THREE-CONDUCTOR	LED	LIGHT EMITTIN
3WAY	THREE-WAY	LFMC	LIQUID TIGHT F
40UT	QUADRUPLE RECEPTACLE	I FNC	
4PDT	FOUR-POLE DOUBLE THROW		NONMETALLIC
4PST	FOUR-POLE SINGLE THROW	LPS	LOW PRESSUR
4W	FOUR-WIRE		
4VVAY A	ABOVE COUNTER	LV	LOW VOLTAGE
AC	ARMORED CABLE	MATV	MASTER ANTER
ADA	AMERICANS WITH DISABILITIES	ΜΔΧ	SYSTEM
AD.I	ACT ADJACENT	MC	METAL CLAD
AFF	ABOVE FINISHED FLOOR	MCA	MINIMUM CIRCU
AFG	ABOVE FINISHED GRADE	MCB	MAIN CIRCUIT E
AIC	AMPERE INTERRUPTING	MCC	MOTOR CONTR
ALUM	ALUMINUM	MDP	MAIN DISTRIBU
AMP	AMPERE	MG	MOTOR GENER
ANN	ANNUNCIATOR	MH	MANHOLE
AP	ACCESS POINT (WIRELESS	MIN	
AR	AS REQUIRED	MOCP	MAXIMUM OVER
ASC	AMPS SHORT CIRCUIT		PROTECTION
ATS	AUTOMATIC TRANSFER	NA	NOT APPLICAB
AV	AUDIO VISUAL		NORMALLY CLC
AWG	AMERICAN WIRE GAGE	NEMA	NATIONAL ELEC
BB	BUCK-BOOST TRANSFORMER		MANUFACTURE
XEMR		NEC	ASSOCIATION
CATV	COMMUNITY ANTENNA	NFPA	NATIONAL FIRE
	TELEVISION		ASSOCIATION
СВ	CIRCUIT BREAKER	NIC	
OODA	BY ARCHITECT	NO	NORMALLY OPI
CCTV	CLOSED CIRCUIT TELEVISION	NTS	NOT TO SCALE
CF/CI	CONTRACTOR FURNISHED/	OC	ON CENTER
CF/OI	CONTRACTOR FURNISHED/		
	OWNER INSTALLED		CONTRACTOR
CFBA	CUSTOM FINISH AS SELECTED BY ARCHITECT	OF/OI	
СКТ	CIRCUIT	OFP	OBTAIN FROM I
CM	CONSTRUCTION MANAGER	OH DR	OVERHEAD (CC
CND		OL	OVERLOAD
COR	CONTRACTING OFFICER'S	PB	PUSHBUTTON
	REPRESENTATIVE	PH	PHASE
СР	CONTROL PANEL	PNL	PANEL
CTV	CABLE TELEVISION	PT	POTENTIAL TRA
CU	COPPER		PAN/TILT/ZOOM
dBA	UNIT OF SOUND LEVEL	R	REMOVE
DPDT	THROW	RCP	REFLECTED CE
DS	DISCONNECT SWITCH	RMC	RIGID METAL C
EA	EACH	RPM	REVOLUTIONS
EM		RR	REMOVE AND F
ENT	ELECTRICAL METALLIC TOBING	S/S	START/STOP
	TUBING	SCA	SHORT CIRCUI
EPO	EMERGENCY POWER OFF	SCBA	STANDARD CO
EQUIP	EQUIPMENT	SF	SQUARE FOOT
F	FURNITURE MOUNTED	SFBA	STANDARD FIN
FA	FIRE ALARM	SPD	SURGE PROTE
FCP	FIRE ALARM CONTROL PANEL	SPDT	SINGLE POLE, [
FLA FMC	FULL LOAD AMPS	SPEC	SPECIFICATION
FOB	FREIGHT ON BOARD	SPST	SINGLE POLE, S
FVNR	FULL VOLTAGE	ST SW/BD	SINGLE THROW
E\/R		SWGR	SWITCHGEAR
G	GROUND	TL	TWIST LOCK
GEN	GENERATOR	TP	TELEPHONE PO
GFCI	GROUND FAULT INTERRUPTER	TTB	TELEPHONE TE
GFP HD	GROUND FAULT PROTECTION	TV	TELEVISION
HID	HIGH INTENSITY DISCHARGE	TVSS	TRANSIENT VO
HOA	HAND-OFF-AUTOMATIC	TYP	TYPICAL
HP		UF	UNDERFLOOR
HPS	HIGH PRESSURE SODIUM	UGND	
ΗV	HIGH VOLTAGE	UPS	UNINTERRUPTI SUPPLY
HZ		V	VOLTS
i/U IG		VA	VOLT AMPERE
IMC	INTERMEDIATE METAL	VFC/VF D	VARIABLE FRE
INI/IC		W/	WITH
IR	INSULATED/ ISULATED	W/O	
J-BOX	JUNCTION BOX	XFMR	TRANSFORMER
		1	

KILOVOLT KILOVOLT AMPERE KILOVOLT AMPERE REACTIVE KILOWATT KILOWATT HOUR LIGHT EMITTING DIODE LIQUID TIGHT FLEXIBLE METAL CONDUIT LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT LOW PRESSURE SODIUM LOCKED ROTOR AMPS LIGHTING LOW VOLTAGE MASTER ANTENNA TELEVISION SYSTEM MAXIMUM METAL CLAD MINIMUM CIRCUIT AMPS MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER MOTOR CIRCUIT PROTECTION MAIN DISTRIBUTION PANEL MOTOR GENERATOR MANHOLE MINIMUM MAIN LUGS ONLY MAXIMUM OVERCURRENT PROTECTION NOT APPLICABLE NORMALLY CLOSED NATIONAL ELECTRICAL CODE NATIOANL ELECTRICAL MANUFACTURERS ASSOCIATION NATIONAL FIRE CODE NATIONAL FIRE PROTECTION ASSOCIATION NOT IN CONTRACT NIGHT LIGHT NORMALLY OPEN NOT TO SCALE ON CENTER OVER CURRENT PROTECTION OWNER FURNISHED/ CONTRACTOR INSTALLED OWNER FURNISHED/ OWNER INSTALLED OBTAIN FROM PLANS OVERHEAD (COILING) DOOR OVERLOAD PUSHBUTTON POWER FACTOR PHASE PANEL POTENTIAL TRANSFORMER PAN/TILT/ZOOM QUANTITY REMOVE REFLECTED CEILING PLAN RIGID METAL CONDUIT RIGID NONMETAL CONDUIT **REVOLUTIONS PER MINUTE** REMOVE AND RELOCATE START/STOP SHORT CIRCUIT AMPS STANDARD COLOR AS SELECTED BY ARCHITECT SQUARE FOOT (FEET) STANDARD FINISH AS SELECTED BY ARCHITECT SURGE PROTECTIVE DEVICE SINGLE POLE, DOUBLE THROW SPECIFICATION SINGLE POLE, SINGLE THROW SINGLE THROW SWITCHBOARD SWITCHGEAR TWIST LOCK **TELEPHONE POLE** TWISTED PAIR TELEPHONE TERMINAL BOARD TELEVISION TRANSIENT VOLTAGE SURGE SUPPRESSER TYPICAL UNDERFLOOR UNDERGROUND UNINTERRUPTIBLE POWER SUPPLY VOLTS VOLT AMPERE VARIABLE FREQUENCY MOTOR CONTROLLER WITH WITHOUT WEATHERPROOF TRANSFORMER

GENERAL ELECTRICAL NOTES

- CLARIFICATION METHODS: AT THE TIME OF BIDDING, BIDDERS SHALL FAMILIARIZE THEMSELVES WITH THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS, MISUNDERSTANDINGS, CONFLICTS, DELETIONS, DISCONTINUED PRODUCTS, CATALOG NUMBER DISCREPANCIES, DISCREPANCIES BETWEEN THE EQUIPMENT SUPPLIED AND THE INTENT OR FUNCTION OF THE EQUIPMENT, ETC, SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING FOR CLARIFICATION PRIOR TO ISSUANCE OF THE FINAL ADDENDUM AND BIDDING OF THE PROJECT. WHERE DISCREPANCIES OR MULTIPLE INTERPRETATIONS OCCUR, THE MOST STRINGENT (WHICH IS GENERALLY RECOGNIZED AS THE MOST COSTLY) THAT MEETS THE INTENT OF THE DOCUMENTS SHALL BE ENFORCED.
- OWNER FURNISHED ITEMS: THE OWNER WILL FURNISH MATERIAL AND EQUIPMENT AS INDICATED IN THE CONTRACT DOCUMENTS TO BE INCORPORATED INTO THE WORK. THESE ITEMS ARE ASSIGNED TO THE INSTALLER AND COSTS FOR RECEIVING, HANDLING, STORAGE, IF REQUIRED, AND INSTALLATION ARE INCLUDED IN THE CONTRACT SUM.
- A. THE INSTALLER'S RESPONSIBILITIES ARE THE SAME AS IF THE INSTALLER FURNISHED THE MATERIALS OR EQUIPMENT.
- THE OWNER WILL ARRANGE AND PAY FOR DELIVERY OF OWNER FURNISHED ITEMS FREIGHT ON BOARD JOB SITE AND THE INSTALLER WILL INSPECT DELIVERIES FOR DAMAGE. IF OWNER FURNISHED ITEMS ARE DAMAGED, DEFECTIVE OR MISSING, DOCUMENT DAMAGED ITEMS WITH THE TRANSPORT COMPANY AND THE OWNER WILL ARRANGE FOR REPLACEMENT. THE OWNER WILL ALSO ARRANGE FOR MANUFACTURER'S FIELD SERVICES, AND THE DELIVERY OF MANUFACTURER'S WARRANTIES AND BONDS TO THE INSTALLER.
- THE INSTALLER IS RESPONSIBLE FOR DESIGNATING THE DELIVERY DATES OF OWNER FURNISHED ITEMS AND FOR RECEIVING, UNLOADING AND HANDLING OWNER FURNISHED ITEMS AT THE SITE. THE INSTALLER IS RESPONSIBLE FOR PROTECTING OWNER FURNISHED ITEMS FROM DAMAGE. INCLUDING DAMAGE FROM EXPOSURE TO THE ELEMENTS, AND TO REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF HIS OPERATIONS.
- EXPOSED STRUCTURE AREAS (EXCLUDING MECHANICAL, ELECTRICAL, AND COMMUNICATION SPACES): INSTALL RACEWAYS BETWEEN DECK AND STRUCTURE WHEREVER POSSIBLE IN EXPOSED STRUCTURE CEILING AREAS. ROUTE RACEWAYS IN CONCEALED AREAS WHEREVER POSSIBLE. REFER ALL CONDITIONS WHERE RACEWAYS MUST BE INSTALLED WHICH CANNOT COMPLY WITH THESE REQUIREMENTS TO THE ARCHITECT.
- SUBMITTALS: PROVIDE ORIGINAL ELECTRONIC PDF FORMAT, BOUND, BOOKMARKED (EACH SECTION AND PRODUCT), AND HIGHLIGHTED. JOB NAME AND SUBCONTRACTOR SHALL BE ON THE FRONT COVER. PREPARE INDEX OF EQUIPMENT SUBMITTED IN EACH TAB.
- REFLECTED CEILING PLANS: COORDINATE THE LOCATION OF LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER.
- ALL WORK SHALL BE DONE ACCORDING TO THE CURRENT NATIONAL ELECTRIC CODE (NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE AHJ.

DEFINITIONS NOTE: ALL DEFINITIONS MAY NOT BE USED.

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.

APPROVED: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."

PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.

TECHNOLOGY SYSTEMS: THE TERM "TECHNOLOGY SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC...

ELECTRICAL SHEET INDEX

- EE001 SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES EE002 TELECOM SCHEDULES AND NOTES EE501 ELECTRICAL DETAILS EE701 TYPICAL MOUNTING HEIGHT DETAILS ED101 ELECTRICAL DEMOLITION PLANS EP100 LEVEL 2 OVERALL POWER PLAN
- EP101 ELECTRICAL PLANS EP102 ROOF POWER PLAN
- EP551 TELECOM DETAILS EP601 EQUIPMENT SCHEDULE

EY101 AUXILARY PLAN

EP701 TELECOM RISER DIAGRAMS EL601 INTERIOR LIGHTING FIXTURE SCHEDULE

EEOO

CLINIC/HOSPITAL - CABLE/OUTLET COLOR SCHEDULE

TYPE
TV COAX
ANALOG PHONE
DATA
IP SECURITY CAMERAS
SECURITY CARD READERS
CLINICAL ENGINEERING / NURSE CALL
FIRE SYSTEMS
FORESEER
PUBLIC ADDRESS
WIRELESS
VENDOR NETWORK

COPPER PATCH CORD SCHEDULE

(CATEGORY 6A F/UTP CABLES W/RJ-45 CONNECTORS)

LENGTH (FEET)	COLOR	QUANTITY	UNIT COST (EACH)
5'	BLUE	20% OF TOTAL PORTS IN TDR'S	
7'	BLUE	60% OF TOTAL PORTS IN TDR'S	
10'	BLUE	20% OF TOTAL PORTS IN TDR'S	

THE ITEMS INDICATED BELOW SHALL NOT BE CONSTRUED AS A "BILL OF MATERIALS". THIS LIST IDENTIFIES ITEMS OF SIGNIFICANCE USED DURING THE DESIGN OF THE CABLING INSTALLATION. WHERE THE ITEMS INDICATED ARE ONE PORTION OF AN ASSEMBLY, THE ENTIRE ASSEMBLY SHALL BE PROVIDED UNLESS SPECIFIED OTHERWISE. PROVIDE ALL MISCELLANEOUS HARDWARE AND SUPPORTS WHICH MAY NOT BE LISTED HERE, FOR A COMPLETE INSTALLATION. COMPARE CATALOG NUMBERS WITH DESCRIPTIONS AND NOTIFY ENGINEER OF DISCREPANCIES PRIOR TO BID. IF CATALOG NUMBERS DO NOT MATCH DESCRIPTIONS, THE DESCRIPTIONS TAKE PRECEDENCE. PROVIDE COMPLETE SUBMITTAL FOR APPROVAL PRIOR TO PURCHASING ANY EQUIPMENT OR CABLE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. SYMBOL ITEM DESCRIPTION ACCEPTABLE TYPES STATION CABLE, DATA - CATEGORY 6A FUTP RISER, BLUE, DATA SIEMON 9A6R4-A5-06-R1A

SIEMON 10GMX-FPS04-02 SIEMON Z6A-S06 SIEMON MX-SMZ1-02 SIEMON Z6A-S06 SIEMON Z6AS-PA-48

DATA OUTLET, SINGLE GANG FACEPLATE, WHITE, 4 POSITION CATEGORY 6A JACK - DATA, BLUE DATA OUTLET, SURFACE MOUNT BOX, WHITE, 1 POSITION \square CATEGORY 6A JACK - DATA, BLUE SPP1 48 PORT, 1RU ANGLE PATCH PANEL WITH OUTLETS NOTE: ALL RACKS, LADDER, PATCH PANELS AND ACCESSORIES SHALL BE BLACK IN COLOR.

CLINIC/HOSPITAL - EQUIPMENT/CABLE LIST

CLINIC/HOSPITAL -GENERAL PROJECT NOTES

- 1. UNLESS OTHERWISE NOTED, INSTALL ALL CABLE INSIDE RACEWAY SYSTEMS. WHERE RACEWAY SYSTEMS HAVE NOT BEEN PROVIDED OR SPECIFIED. INSTALL CABLE THROUGH THE SPECIFIED "CADDY" CLIPS AT THE MINIMUM INTERVALS IDENTIFIED IN THE SPECIFICATIONS. SUPPORT "CADDY" CLIPS DIRECTLY FROM THE BUILDING STRUCTURE, NOT FROM OTHER BUILDING SYSTEM SUPPORT WIRES OR CABLE.
- PROVIDE PLENUM RATED CABLE IN ALL AIR PLENUMS. IF A PLENUM RATED CABLE IS NOT SPECIFIED, PROVIDE THE PLENUM RATED EQUIVALENT TO THE SPECIFIED CABLE.
- 3. LABEL ALL CABLE INSTALLED UNDER THIS CONTRACT REGARDLESS OF LENGTH.
- 4. THE EQUIPMENT LABELING IDENTIFIED ON DETAILS IN THESE DRAWINGS ARE EXAMPLES ONLY OF THE ACTUAL LABELING WHICH IS REQUIRED AS PART OF THIS CONTRACT. PRIOR TO FABRICATION, SUBMIT THE NOMENCLATURE FOR ALL LABELS TO THE OWNER FOR REVIEW. THIS REQUIREMENT INCLUDES BUT IS NOT LIMITED TO ALL CABLE LABELING, AND ALL EQUIPMENT LABELING.
- 5. IF OUTLET IS TERMINATED IN CEILING SPACE, LABEL THE T-BAR GRID WITH THE OUTLET NUMBER FOR EASY LOCATION AND IDENTIFICATION.
- 6. GROUND ALL EQUIPMENT RACKS INSTALLED UNDER THIS CONTRACT IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- 7. FOR EVERY CABLE PULL SPECIFIED, COIL 15' OF EXCESS CABLE AT THE STATION END FOR FUTURE USE. NEATLY COIL 15' ABOVE THE CEILING OR BELOW FLOOR WHERE APPLICABLE.
- 8. PROVIDE THE QUANTITY OF PATCH PANELS REQUIRED +20% FOR THE TOTAL DATA OUTLETS SHOWN ON FLOOR PLANS FOR THE PARTICULAR LEVEL.
- 9. RACK SPACE ALLOCATION SHOULD BE FOLLOWED PER DRAWINGS. IF YOU HAVE A SYSTEM THAT HAS NOT RACK ALLOCATION PLEASE CALL BOE SAUSEDO AT 801-707-3805.

10. COORDINATE WITH ALL SUBS TO ENSURE THAT ALL CABLES ARE PROTECTED FROM ANY DIRECT PAINT, OR INCIDENTAL OVERSPRAY.

ABBREVIATIONS NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

- AUGMENTED CAT CATEGORY ENHANCED EA EACH
- ER EQUIPMENT ROOM FPP FIBER PATCH PANEL
- GIG GIGA HERTZ HWM HORIZONTAL WIRE MANAGEMENT
- NIC OE NOT IN CONTRACT PNM OWNER ELECTRONICS PR
- PLENUM PS RPP PAIR
- POWER SUPPLY SPP **RISER PATCH PANEL** TDR STATION PATCH PANEL
- TYP TELECOMMUNICATIONS ROOM VWM TYPICAL
 - VERTICAL WIRE MANANGEMENT

DEFINITIONS

NOTE: ALL DEFINITIONS MAY NOT BE USED.

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.

APPROVE: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."

PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.

ELECTRONIC SYSTEMS: THE TERM "ELECTRONIC SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC...

AND NOTES

NOTES

6.

TLC TYP

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= TYPICAL

= WITH

SCALE: NTS

- PROVIDE RACEWAY AND EQUIPMENT AS INDICATED FOR CARD ACCESS 1 DOOR TYPE INDICATED. REFER TO SECTION 281300 AND CARD ACCESS LOCK CONTROL DETAILS FOR ADDITIONAL REQUIREMENTS.
- 2. PROVIDE CONCEALED .75" C TYPICAL FOR LINES SHOWN TO DEVICE BOXES ON PROTECTED SIDE AND UNPROTECTED SIDE ELEVATIONS.
- CONFIRM CORRECT CARD ACCESS DOOR RACEWAY, LOCK VOLTAGE, AND EXIT SWITCH CURRENT RATING (2 AMPS MIN.) WITH DIV. 8 FURNISHED CARD ACCESS DOOR HARDWARE PER DIV. 8 DOOR HARDWARE SPECIFICATIONS.
- 4. LOCATE CARD READER BOX AS INDICATED ON FLOOR PLANS. RACEWAY AND BOXES BY DIV. 26. REFER TO 281300 FOR CARD ACCESS SYSTEM REQUIREMENTS.
- 5. DOUBLE 4SQ J-BOX ON PROTECTED SIDE OF DOORWAY (SIDE OPPOSITE OF CARD READER) ABOVE ACCESSIBLE CEILING OR IN OTHER ACCESSIBLE LOCATION. PROVIDE COVER FOR J-BOX.
- ELECTRIC LOCKING HARDWARE (MAG LOCKS, ELECTRIC STRIKES, POWER TRANSFER HINGES, ETC.) BY DIV 8. REVIEW DOOR HARDWARE FURNISHED AND VERIFY LOCK VOLTAGES AND OPERATIONAL FUNCTIONALITY OF LOCKS. CONTACT ENGINEER WITH QUESTIONS OR CONCERNS.

ABBREVIATIONS

	1G	=	1-GANG OR SINGLE GANG
	4SQ	=	FOUR SQUARE JUNCTION BOX
	AO	=	AUTO OPENER
	A/R	=	AS REQUIRED
	ACC	=	ACCESSIBLE
	ACS	=	ACCESS CONTROL SYSTEM CONTROLLER
	ADA	=	ASSISTED DISABILITY OPENER
	AED	=	ELECTRIC EXIT DEVICE/CR COMBO ON DOOR
	AEL	=	ELECTRIC LOCK/CR COMBO ON DOOR
	С	=	CONDUIT
	CI	=	DOOR CONTACT INDICATOR SWITCH
	CR	=	CARD READER
	DH	=	DOOR HARNESS
	DBL	=	DOUBLE
	DED	=	DELAYED EXIT DEVICE
	DIR	=	DIRECTION
	ED	=	EXIT DEVICE
	EH	=	ELECTRIC HINGE
	EL	=	ELECTRIC LOCKSET
	ES	=	ELECTRIC STRIKE
	EDL	=	ELECTRIC DEADLATCH
	EED	=	ELECTRIFIED EXIT DEVICE
	ELC	=	EMERGENCY LOCK CONTROL
	EPT	=	ELECTRIC POWER TRANSFER
	FA	=	FIRE ALARM SYSTEM
	FH	=	FRAME HARNESS
	HDWR	=	HARDWARE
	IDS	=	INTRUSION DETECTION SYSTEM
	KS	=	KEY SWITCH
	LS	=	LOCK INDICATOR SWITCH IN HARDWARE
	LX	=	PANIC HARDWARE LATCH POSITION SWITCH
	L/PS	=	LOCK POWER SUPPLY
	MD	=	MOTION DETECTOR
	ML	=	ELECTROMAGNETIC LOCK
	000	=	OCCUPANCY
	OFP	=	OBTAIN FROM PLANS
	PB	=	PUSH BUTTON RELEASE
	PH	=	PANIC HARDWARE
	PP	=	PUSH PAD ACTUATOR
	PS	=	POWER SUPPLY
	PED	=	POE EXIT DEVICE
	PEL	=	POE ELECTRIC LOCKSET
	PIB	=	INTERFACE BOARD FOR COMBO LOCKING HARDWARF
	PWR	=	POWER
	QTY	=	QUANTITY
	RS	=	REMOTE OPEN SWITCH
	REX	=	REQUEST TO EXIT SWITCH/FUNCTION
	· · · · · ·		

TIME/SYSTEM LOCK CONTROL

	SECURITY EQUIPMENT SCHEDULE								
SYMBOL	DESCRIPTION	MOUNTING *	ROUGH-IN	QTY	ACCEPTABLE TYPES				
CR	CARD READER	40"	4SQ W/ 1G RING	OFP	SEE SECTION 281300				
CRF	CARD READER FOR FRIDGE AND/OR FREEZER	40"	4SQ W/ 1G RING	OFP	PROVIDE HID READER WITH HES 660 SERIES LOCKSET				
#1	CARD ACCESS DOOR TYPE, TYPICAL. REFER TO CARD ACCESS DOOR TYPE SCHEDULE.	SEE SCHEDULE	SEE SCHEDULE	OFP	REFER TO CARD ACCESS DOOR TYPE SCHEDULE & SECTION 281300				
CI	DOOR MONITOR - CONTACT INDICATOR SWITCH	SEE SCHEDULE	SEE SCHEDULE	OFP	SEE SECTION 281300				
AH	APERIO HUB (IP)	CEILING	1G BOX	OFP	PROVIDE APERIO HUB MODEL AH-40-IN2-NNNN				
CR	WIRELESS READER AND LOCKSET FOR MED CABINET	ON CABINET	PER MANUF.	OFP	PROVIDE HES K100 WIRELESS READER/LOCKSET				
Ι	IP INTERCOM WALL STATION	54"	3-GANG VERTICAL BOX	OFP	PROVIDE AXIS A8004-VE NETWORK VIDEO DOOR STATION				
1	VSS CAMERA/ENCLOSURE TYPE, TYPICAL. REFER TO VSS CAMERA/ENCLOSURE TYPE SCHEDULE.	SEE SCHEDULE	SEE SCHEDULE	OFP	SEE VSS CAMERA/ENCLOSURE TYPE SCHEDULE				
P	DURESS BUTTON	UNDER COUNTER J-BOX - 18"	4SQ W/ 1G RING	OFP	SEE SECTION 281600				
ACS	CARD ACCESS CONTROLLERS & PWR SUPPLIES	72"	4"x4" GUTTER & STUBS A/R	A/R	SEE SECTION 281300				
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER "TVSS"	AS NOTED	A/R	A/R					
VSS	VIDEO SURVEILLANCE SYSTEM	RACK MOUNTED			COORDINATE WITH OWNER				

* COORDINATE MOUNTING HEIGHTS WITH ARCHITECTURAL ELEVATIONS BEFORE INSTALLATION.

5. IN NON-RATED WALLS, OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS MUST BE SEPARATED BY 16" FOR SOUND ATTENUATION.

TYPICAL ROUGH-IN REQUIREMENTS DETAIL

	CARD ACCESS DOOR	TYPE SCHEDULE		
	PROTECTED SIDE ELEVATION	UNPROTECTED SIDE ELEVATION	LOCK TYPE(S)	DIVISION OF WORK AND
1 CARD READER ENER	4SQ J-BOX ABOVE ACC CEILING DOOR HARNESS DOOR HARNESS ELECTRIC STRIKE	LOCKSET	ELECTRIC STRIKE	SECURITY CONTRACTOR CR, FH, DH HARDWARE CONTRACTO ES, L/PS LOCK CONTROLLED BY: CR

FIRE STOP FOR METAL CONDUIT

WORK AND COMMENTS ONTRACTOR PROVIDES:)H CONTRACTOR PROVIDES:

2 LEVEL 2 ELECTRICAL DEMOLITION CEILING PLAN SCALE: 1/4" = 1'-0"

GENERAL SHEET NOTES

- UNLESS OTHERWISE INDICATED, REMOVE ALL LIGHTING FIXTURES, OUTLETS, DEVICES AND EQUIPMENT IN HATCHED AREAS. REMOVE ASSOCIATED CONDUIT AND WIRING BACK TO THE PANELBOARD OF ORIGINATION. SYSTEMATICALLY CHECK EACH BRANCH PANELBOARD CIRCUIT TO VERIFY EACH THAT CIRCUIT BREAKER NO LONGER HAS ANY ACTIVE LOADS, DISCONNECT THE WIRING AND TURN THE CIRCUIT BREAKER OFF. ANY REMAINING ACTIVE LOADS SHALL BE LABELED AT THE PANELBOARD AS TO WHAT LOAD IS SERVED.
- UNLESS NOTED OTHERWISE REMOVE ALL LIGHTING FIXTURES DEVICES AND EQUIPMENT SHOWN DASHED. REMOVE CONDUIT AND WIRING BACK TO PANELBOARD OF ORIGIN OR TO FIRST ACTIVE DEVICE THAT REMAINS.
- SALVAGE ALL POWER POLES, LIGHT FIXTURES, TWIST-LOCK RECEPTACLES AND WALLPLATES, CEILING SPEAKERS AND SECURITY AND FIRE ALARM DEVICES TO OWNER. PROTECT SALVAGED EQUIPMENT FROM DAMAGE.
- PRIOR TO SUBMITTING BID, VISIT THE SITE AND FIELD VERIFY THE EXTENT OF ELECTRICAL DEMOLITION WORK TO MEET THE INTENT OF THE BID DOCUMENTS AND INCLUDE ALL COSTS IN BID. PRIOR TO REMOVAL OF ANY ELECTRICAL EQUIPMENT OR WIRING, FIELD VERIFY
- THAT THE EQUIPMENT OR WIRING IS INACTIVE OR NO LONGER IN USE. REMOVE ALL DEVICES, RACEWAYS AND WIRING FROM WALLS TO BE REMOVED.
- WHERE ACTIVE RACEWAYS OCCUR IN WALLS TO BE REMOVED, REROUTE THE RACEWAY WITH ASSOCIATED WIRING TO KEEP THE CIRCUIT OPERATIONAL. REMOVE ALL FIRE ALARM DEVICES WHERE EXISTING WALLS AND CEILINGS ARE BEING REMOVED, WITH ASSOCIATED CONDUIT AND WIRING. EXISTING FIRE ALARM DEVICES AND SYSTEM NOT INDICATED FOR REMOVAL SHALL REMAIN ACTIVE
- THROUGHOUT DEMOLITION AND CONSTRUCTION UNTIL THE NEW SYSTEM IS TESTED AND OPERATIONAL. MAINTAIN ALL CLASS A FIRE ALARM INITIATING AND INDICATING LOOPS WHERE EXISTING DEVICES ARE REMOVED.
- REMOVE ALL ABANDONED RACEWAY, CONDUIT, WIRING AND CABLING WHETHER ABANDONED REFINIOUS TO THIS ARE ARE A RESULT OF THIS PROJECT. NOT ALL ABANDONED ITEMS ARE SHOWN ON THESE PLANS AND FIELD VERIFICATION OF
- DEMOLITION SCOPE EXTENT IS REQUIRED. RELOCATE EXISTING SECURITY MOTION SENSOR.
- DEVICES MARKED "RR" ARE TO BE REMOVED AND RELOCATED PER NEW PLANS. EXTEND CIRCUITING AS REQUIRED FOR RELOCATION.

SHEET KEYNOTES

1 LEVEL 2 OVERALL POWER PLAN SCALE: 1/8" = 1'-0"

GENERAL SHEET NOTES

○ SHEET KEYNOTES

1 PROVIDE NEW 20A/3P CIRCUIT BREAKER IN EXISTING GE PANEL.

GENERAL SHEET NOTES

PROVIDE NEW TYPED PANEL SCHEDULE FOR ALL PANELS AFFECTED BY CONSTRUCTION.

- PROVIDE DEDICATED NEUTRALS FOR ALL BRANCH CIRCUITS.
- ALL RECEPTACLES LOCATED WITHIN 6' OF A SINK EDGE MUST BE GFCI PROTECTED.

(WS-2) (DX-2) (DX-2)

○ SHEET KEYNOTES

- PROVIDE 120V CIRCUIT AND DATA DROP FOR PNUEMATIC TUBE STATION. COORDINATE REQUIRMENTS WITH PNEUMATIC TUBE VENDOR.
- PROVIDE 120V CIRCUIT TO PASS-THROUGH CABINET.
- PROVIDE 120V CIRCUIT TO SCRUB SINK.
- PROVIDE 120V CIRCUIT TO AUTOMATIC DOORS.
- 5 CONNECT TO EXISTING LIFE SAFETY LIGHTING CIRCUIT IN CORRIDOR.
- CONNECT TO EXISTING LIGHTING CIRCUIT THAT PREVIOUSLY FED LIGHTING IN THIS AREA.
- WORK IN THIS ROOM TO BE PART OF ADD ALTERNATE #1.
- PROVIDE J-BOX IN THE CEILING WITH CIRCUITING FOR FUTURE USE.
- 9 PROVIDE 120V CIRCUIT FOR VAV BOXES.

GENERAL SHEET NOTES

PROVIDE NEW TYPED PANEL SCHEDULE FOR ALL PANELS AFFECTED BY CONSTRUCTION.

PROVIDE DEDICATED NEUTRALS FOR ALL BRANCH CIRCUITS.

ALL RECEPTACLES LOCATED WITHIN 6' OF A SINK EDGE MUST BE GFCI PROTECTED.

PROVIDE NEW 20A/3P CIRCUIT BREAKER IN EXISTING GE PANEL LOCATED ON 3RD FLOOR.

○ SHEET KEYNOTES

2 CONNECT TO NEAREST FIRE SMOKE DAMPER CIRCUIT.

	SPECTRUM ENGINEERS 324 S. State St., Suite 400 Salt Lake City, UT 84111 800-678-7077 801-328-5151 fax: 801-328-5155 www.spectrum-engineers.com
	Intermountain Healthcare
•	Pharmacy Remodel (USP797)
	900 Round Valley Dr Park City, UT 84060
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٨	DATE:07/27/23PROJECT NO:19228.07DRAWN BY:AuthorCHECKED BY:CheckerDESIGNED BY:DesignerRECORD DRAWING DATE:SIGNATURE:© 2019 Spectrum Engineers, Inc.SHEET TITLETELECOM DETAILS
	EP551

											J U N															
MARK	ITEM DESCRIPTION		LOAD DAT	A		WIRE AND	COND.		OVERCUR	RENT		DISCONNE	CT						STARTER	DATA						
						CONDUIT SIZE	AND		PROTECT	TION																
		HP kW	MCA FLA	VOLT PH	Hz		CONDUIT	FURN	DEVICE	LOCATION	FURN	DEVICE	LOCATION	FURN	DEVICE	LOCATION SIZE	SPEED	CTRL SELECTO	R PUSH	PILOT	NORMAL	LY NORMALLY	PHASE	SCHEMATIC	REMOTE	EMO
							SCHED.	BY			BY			BY				VOLT SWITCH	BUTTO	N LAMP	OPEN	I CLOSED	FAILURE	REFERENCE	CTRL	PWE
																					CONTAC	TS CONTACTS	RELAY			
FFU-1	FAN FILTER UNIT		4	120 1	60	2 #10, #10 GR	4	E	20A/1P	PANEL	Е	30A/1P	ADJ. TO													
						0.75" CND			СВ			FRN-15	EQUIP													
FFU-2	FAN FILTER UNIT		4	120 1	60	2 #10, #10 GR	4	E	20A/1P	PANEL	Е	30A/1P	ADJ. TO													
						0.75" CND			CB			FRN-15	EQUIP													
FFU-3	FAN FILTER UNIT		4	120 1	60	2 #10, #10 GR	4	E	20A/1P	PANEL	E	30A/1P	ADJ. TO													
						0.75" CND			CB			FRN-15	EQUIP													
FFU-4	FAN FILTER UNIT		4	120 1	60	2 #10, #10 GR	4	E	20A/1P	PANEL	E	30A/1P	ADJ. TO													
						0.75" CND			СВ			FRN-15	EQUIP													+
FFU-5	FAN FILTER UNIT		4	120 1	60	2 #10, #10 GR	4	E	20A/1P	PANEL	E	30A/1P	ADJ. TO													
						0.75" CND			СВ			FRN-15	EQUIP													
FFU-6	FAN FILTER UNIT		4	120 1	60	2 #10, #10 GR	4	E	20A/1P	PANEL	E	30A/1P	ADJ. TO													
				400 4		0.75" CND			CB	5 A N E		FRN-15	EQUIP													
PBF-1	RETURN AIR FAN	1	2.1	480 1	60	3 #12, #12 GR	2	E	20A/3P	PANEL	E	30A/3P	VV/	Q	VFD											
			0.1	100 1		0.75" CND			CB	DANEL	-	FRS-6	VFD													
PEF-1A	EXHAUST FAN		2.1	120 1	60	3 #12, #12 GR	2		20A/3P	PANEL	E	30A/1P		Q	VFD											
			0.1	100 1		0.75 CND					-	FRS-0	VFD													+
PEF-IB	EXHAUST FAN		2.1	120 1	00	3 #12, #12 GR	<u>ک</u>		ZUA/3P	PANEL	E			Q	VFD											
						0.75 UND			UB		1	FK3-0														

EQUIPMENT SCHEDULE KEY

 E
 DIVISION 26

 Q
 FURNISHED WITH THE EQUIPMENT

 *
 COORDINATE WITH THE DIVISION 23 TEMPERATURE

 CONTROL INSTALLER

** AUTOMATIC CONTROL WIRING BY DIVISION 23

emg Pwer	NOTES	MARK
		FFU-1
		FFU-2
		FFU-3
		FFU-4
		FFU-5
		FFU-6
		PBF-1
		PEF-1A
		PEF-1B

1 TELECOM CABLE RISER DIAGRAM SCALE: 1/8" = 1'-0"

8/3/2023 5:18:29 PM	

- - -	 	- 0-10V WIR - CAT5E CA - WIRING B` - TMP SEGN NETWOR	ING BLING Y OTHER MENT (CABLIN
1	ID D1		
	TO B AUTO SYSTE	UILDING MATION M (BAS)	
1	D2		
			UNS
1	S1		
	TO I AUT(SYST	BUILDING OMATION 'EM (BAS)	LISC AUX LM

WIRING LEGEND

	LIGHTING FIXTURE SCHEDULE													
S												GENEF	RAL NOTES	S
WH ED A ZED CT CCT EDE2 LY A	E IITE ALUMINUM STEEL RCHITECT COLOR BY LOR BY RAL 209D	DIFFUSER/LENS REFLECTOR #A - ACRYLIC #THICK (OPAL) OP - NONE/OPEN GC - GLASS (CLEAR) SS - SPECULAR GO - GLASS (OPAL) D - DIFFUSE (WHITE I GF - GLASS (FROSTED) SC - SPECULAR (COLC SGL - SOFT GLOW LENS PR - PRISMATIC HPL - HIGH PERFORMANCE LENS PDR - FULL DEPTH REFI DO - DROP OPAL DS - DIFFUSE (SEMI SF CGL - CONVEX GLASS LENS LI - LOW IRIDESCENT S - SATIN LENS IR - IRIDESCENT SL - SILVER GL - GOLD CA - CLEAR ALZAK CLEAR ALZAK							-) R R) SILVER	1. F F A III 2. C S A A A S S F 4. S F 4. S F 5. A I F 5. A I F 6. V II 7. C 8. F I 9. A	PROVIDE PROVIDE COR EACH COR EACH COR EACH CONTRACE SALLANSTALLE CONTRACE SPECIFIEI CONTRACE SPECIFIEI CONTRACE SPECIFIEI CONTRACE SAMPLES PRIOR TO COMPLES PRIOR TO COMPLES C	UNIT PRICES AND FIXTURI + FIXTURE TYPES SHOWN TO COMPLY WITH THIS REP OWER THE ENGINEER TO TION CHANGES, WITHOUT R. CTOR ALLOWANCE PRICES D, CONTRACTOR AND ELE ICE AND REPORT ANY PRO ICE PRICE MAY OR MAY NO ICE PRICE MAY OR MAY OR MAY OR MAY OR ICE PRICE MAY OR MAY OR MAY OR MAY ICE PRICE MAY OR MAY OR ICE PRICE MAY OR MAY OR ICE	E BRAND SELECTED FOR A WITHIN 48 BUSINESS HOL QUIREMENT MAY DISQUAL DETERMINE FAIR VALUE F FURTHER INPUT FROM TH GARE ACCURATE WHEN TH CTRICAL DISTRIBUTOR SH DBLEMS TO THE ENGINEEN DTO THE AMP(S) OR F TURES MUST RECEIVE AF D TO THE ENGINEER NO L ANY AND ALL FIXTURES U D APPROVED FOR THEIR I IS OR ACCESSORIES TO F LOCATION ON THE DRAW TING" SECTION OF THE SP PORTANT TECHNICAL REC LAMPS.	ADD/DELETE CHANGES JRS OF THE BID DATE. LIFY THE PRODUCTS FOR FIXTURE AND HE CONTRACTOR OR HIS JOB WAS HALL VERIFY THIS R BEFORE THE BID. FREIGHT AS NOTED, PROVAL PRIOR TO ESS THAN 2 WEEKS POON A/E REQUEST NTENDED USE AND FACILITATE 'INGS. PECIFICATIONS. QUIREMENTS FOR
	CRI	DRIVER CONFIGURATION	VOLTAGE	WATTS	FINISH	FIXTURE LUMENS	DIFFUSER/LENS	REFLECTOR	SNOILOO		NOTES	OPTION 1	IFACTURER (CATALOG SE OPTION 2	RIES) OPTION 3
		0-10V DIMMING (10%)	120/277	23	-	2000			-			GOTHAM (EVO) GOTHAM (EVO)	HALO (HC6)	LIGHTOLIER (L6R)
•		0-10V DIMMING (10%)	120/277	50	-	4300			-			PHILLIPS (FXP)		TRULY GREEN (88)
		0-10V DIMMING (10%)	120/277	73	-	8300			FLANGE	EKIT		KENALL (CSEDI)	HE WILLIAMS (MCT)	KURTZON (KL R)

GENERAL NOTES 5. REFER TO PLANS FOR LOCATIONS AND QUANTITIES OF DEVICES.

6. INSTALL ONE OF EACH CONTROL TYPE WITH PROGRAMMING, ADJUST, AND OBTAIN OWNERS APPROVAL PRIOR TO PROGRAMMING THE REMAINING CONTROLS.

7. WIRING MAY VARY BETWEEN MANUFACTURERS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE REQUIRED WIRING THAT WILL BOTH MEET THE MANUFACTURERS REQUIREMENTS AND MATCH WITH THE SHOWN SYSTEM. 8. PROVIDE COMPLETE SHOP DRAWING SUBMITTALS INCLUDING OCCUPANCY SENSOR LAYOUT AND COVERAGE PATTERNS. PROVIDE ADDITIONAL SENSORS AS REQUIRED FOR 100% COVERAGE OF SPACES WITH OCCUPANCY SENSOR CONTROL.

र	NETWORKED CONTROLS	BUTTON_1	BUTTON_2	BUTTON_3	BUTTON_4	BUTTON_5	BUTTON_6	BUTTON_7	BUTTON_8	BUTTON_9	NOTES
	-	FUNCTION: PRESS TOP-ON, HOLD TOP-RAISE LABEL ID: TOP- "ON/RAISE" BOTTOM-"OFF/ LOWER"	-	-	-	-	-	-	-	-	
	YES	FUNCTION:	-	-	-	-	-	-	-	-	
		PRESS TOP-ON, HOLD TOP-RAISE LABEL ID: TOP- "ON/RAISE" BOTTOM-"OFF/ LOWER"									
	-	FUNTION:	-	-	-	-	-	-	-	-	
		PRESS-ON PRESS-OFF LABEL ID:"ON/OFF"									

EL601

RR DX

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GENERAL SHEET NOTES

○ SHEET KEYNOTES

- CONNECT TO EXISTING HOSPITAL PAGING SYSTEM.
- 2 CONNECT TO NEAREST FIRE SMOKE DAMPER CIRCUIT.
- RELOCATE EXISTING SECURITY ALARM PANEL.
- 4 RELOCATE EXISTING SECURITY MOTION SENSOR.

