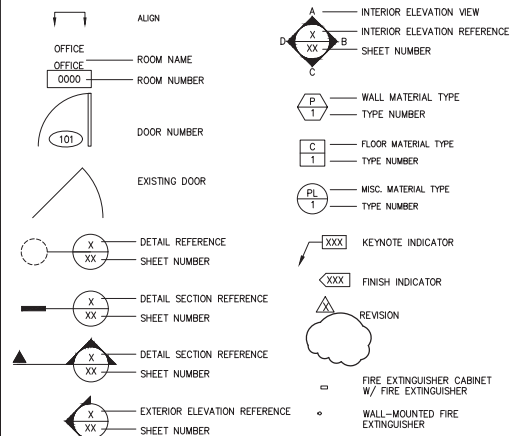


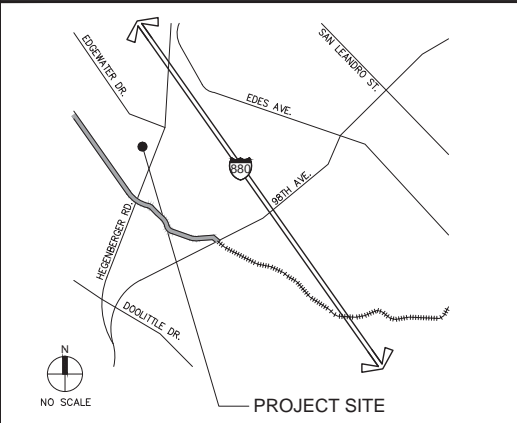
ABBREVIATIONS

Table of abbreviations for architectural symbols and materials, including terms like ACOUS, ADJ, AGGR, APPROX, ARCH, ASPH, etc.

SYMBOLS



VICINITY MAP



GENERAL PROJECT NOTES

GENERAL NOTES: 1. ALL WORK SHALL BE PERFORMED SO AS TO COMPLY WITH ALL LEGAL, INDUSTRY AND PROJECT-SPECIFIC REQUIREMENTS AND STANDARDS INCLUDING WITHOUT LIMITATION OF THE FOLLOWING: A. ALL APPLICABLE BUILDING CODES...

US HEALTHWORKS

333 HEGENBERGER, SUITE 100 OAKLAND, CALIFORNIA 94621

(For Tenant Improvement Permit Only)

PROJECT DATA

BUILDING DEPARTMENT: CITY OF OAKLAND, CALIFORNIA
BUILDING CODES: 2016 CALIFORNIA BUILDING CODE
OCCUPANCY CLASSIFICATION: PER CBC CHAPTER 3 - B

SHEET INDEX

Table listing sheet numbers and titles for ARCHITECTURAL, ELECTRICAL, MECHANICAL, and PLUMBING sections.

OWNER / DEVELOPER

KENNEDY WILSON
151 S. EL CAMINO DR. BEVERLY HILLS, CA 90212

TENANT

US HEALTHWORKS
25124 SPRINGFIELD COURT VALENIA, CA 91355

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WARE MALCOMB
4683 CHABOT DRIVE SUITE 300 PLEASANTON, CA 94588

CONSULTANTS

ELECTRICAL ENGINEER: WB ENGINEERS & CONSULTANTS
MECHANICAL ENGINEER: WB ENGINEERS & CONSULTANTS
PLUMBING ENGINEER: WB ENGINEERS & CONSULTANTS

DEFERRED SUBMITTALS:

DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEERS OF RECORD WHO SHALL REVIEW AND PROVIDE NOTATION INDICATING DOCUMENTS HAVE BEEN REVIEWED AND FOUND TO BE IN GENERAL CONFORMANCE WITH THE BUILDING DESIGN.



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Table with columns for DATE, REMARKS, and PA/PM, used for tracking sheet revisions.

A0.1

<p>FINISH NOTES</p>	1. NO FINISH SUBSTITUTIONS MAY BE MADE UNLESS APPROVED BY ARCHITECT.
	2. CONTRACTOR MUST NOTIFY THE ARCHITECT OF ANY DISCREPANCY IN PLANS. FINISH ITEMS CLEARLY SHOWN IN PLANS, BUT OMITTED FROM SCHEDULES OR LEGENDS MUST STILL BE PROVIDED AND INSTALLED BY CONTRACTOR. CONTRACTOR TO VERIFY OMITTED FINISHES WITH ARCHITECT PRIOR TO ORDERING PRODUCTS.
	3. INSTALL MATERIALS ACCORDING TO MANUFACTURER'S SUGGESTED INSTALLATION AND PREPARATION/MAINTENANCE SPECIFICATIONS OR BETTER, UNLESS OTHERWISE APPROVED OR NOTED.
	4. APPLICATION OF CONTROLLED INTERIOR FINISHES SHALL BE IN CONFORMANCE WITH STATE & LOCAL CODES.
	5. DECORATIVE MATERIALS SHALL BE MAINTAINED IN A FLAME-RETARDANT CONDITION.
	6. SUBMIT THE FOLLOWING SAMPLES FOR ARCHITECT'S APPROVAL: A. THREE (3) 12" X 12" SAMPLES FOR ALL PAINT AND STAIN BRUSHOUTS, VINYL AND FABRIC FINISHES AND COLORS APPLIED TO A SUBSTRATE WHICH IS REPRESENTATIVE OF THE SURFACE TO BE FINISHED. SUBMIT PAINT SAMPLES FROM THE PAINT LOT OR LOTS INTENDED FOR APPLICATION. B. ONE (1) 24" X 24" MUCK-UP WITH SAMPLE SEAM (CENTERED) OF ALL FABRIC AND VINYL FINISHES AND COLOR. C. THREE (3) 12" X 12" SAMPLES OF ALL FLOOR COVERING.
	D. SUBMIT ACTUAL CUTTINGS OF EACH PRODUCT FOR COLOR/QUALITY CONTROL.
	7. WHERE MATERIALS ARE NOT RETURNABLE, SUBMIT SAMPLES TO ARCHITECT BEFORE PLACING FINAL ORDERS.
	8. NOTIFY ARCHITECT IMMEDIATELY OF ITEMS WITH LONG LEAD TIMES.
	9. ALL PAINT FINISH OF METAL PARTS OF DOORS, HANDRAILS, PERIMETER ENCLOSURES, ETC., SHALL BE SEMI-GLOSS, U.O.N.

<p>CEILING NOTES</p>	1. SEE ELECTRICAL ENGINEERING DRAWINGS FOR SPECIFICATIONS OF NEW BUILDING STANDARD LIGHT FIXTURES, SWITCHES, EXIT SIGNS, ETC.
	2. ALL REPLACEMENT FLUORESCENT LAMPS TO MATCH BUILDING STANDARD - SAME COLOR AND MANUFACTURER.
	3. FIELD VERIFY EXISTING CEILING GRID LOCATION AND NOTIFY ARCHITECT OF ANY DISCREPANCIES ON PLANS.
	4. WHERE DISCREPANCIES IN LOCATION OF LIGHT FIXTURES, AIR DIFFUSERS, GRILLES, ETC. OCCUR ON THE ELECTRICAL ENGINEERING PLANS, THE ARCHITECTURAL PLANS SHALL GOVERN. NOTIFY ARCHITECT OF ANY DISCREPANCIES FOR CLARIFICATION.
	5. FIELD VERIFY ALL CLEARANCES OF DUCTS, PIPES, SPRINKLERS, ETC. AND NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO INSTALLATION OF LIGHTS, ETC.
	6. PLACEMENT OF LIGHT FIXTURES IN AREAS WHERE MAIN DUCTS MAY CAUSE INTERFERENCE MUST BE APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
	7. CONDUITS ABOVE CEILING MUST BE A MINIMUM OF 12" ABOVE THE CEILING GRID.
	8. NO COMBUSTIBLE MATERIALS SHALL BE USED IN THE PLENUM SPACE, INCLUDING ALUMINUM FLEX, ALUMINUM CONDUIT, AND POT METAL CONNECTORS.
	9. ALL JUNCTION BOXES AND MECHANICAL EQUIPMENT REQUIRING ACCESS FOR SERVICE SHALL BE LOCATED OVER EMERGENCY POWER SYSTEM (BATTERIES, UNIT EQUIPMENT OR AN ON-SITE GENERATOR) THAT WILL AUTOMATICALLY ILLUMINATE THE EXIT SIGNS FOR A DURATION OF NOT LESS THAN 90 MINUTES.
	10. ALL SPRINKLER HEADS AT HARD-LID CEILING ARE TO BE FULLY RECESSED AND CONCEALED. HEADS ARE TO BE CENTERED BETWEEN LIGHTS IN A UNIFORM ARCHITECTURAL PATTERN. G.C. TO PROVIDE A SUBMITTAL WITH SPRINKLER HEAD LOCATION FOR ARCHITECT'S APPROVAL PRIOR TO INSTALLATION.

<p>FLOOR PLAN NOTES</p>	1. CONTRACTOR AND ARCHITECT TO REVIEW & APPROVE CHALK LINES OF PARTITION LAYOUT PRIOR TO COMMENCEMENT OF PARTITION CONSTRUCTION.
	2. CONTRACTOR TO VERIFY DIMENSIONS FOR ALL PLUMBING PARTITION.
	3. EXTEND ALL STUDS AND WALL MATERIALS TO CONSTRUCTION ABOVE, U.O.N.
	4. ALL CONDUIT PIPING IN ELECTRICAL ROOM TO BE CONCEALED WITHIN THE WALL CONSTRUCTION.
	5. DOOR OPENINGS IN PARTITIONS NOT DIMENSIONED ARE TO BE LOCATED WITHIN 0'-4" OF ADJACENT PERPENDICULAR PARTITION.
	6. CONTRACTOR SHALL USE 3-5/8" METAL STUDS MINIMUM AT ALL PLUMBING WALLS. CONTRACTOR TO VERIFY ACTUAL DEPTH REQUIRED, ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT.
	7. USE WATER RESISTANT GYPSUM BOARD/FIBER BOARD AT ALL AREAS SUBJECT TO MOISTURE OR WHERE TILE IS USED.
	8. ALL PLUMBING WORK SHALL BE IN ACCORDANCE WITH LOCAL AND NATIONAL CODES.
	9. ALL HOT WATER LINES SHALL BE PROPERLY INSULATED. SEE PLUMBING DRAWINGS.
	10. ALL PLUMBING CLEAN-OUTS SHALL BE INSTALLED WHERE READILY ACCESSIBLE. CONTRACTOR SHALL COORDINATE ALL CLEAN-OUT LOCATIONS WITH EQUIPMENT, AND CABINETS. SUBMIT A PLAN OF ALL PROPOSED LOCATIONS TO ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.

<p>FIRE AUTHORITY NOTES</p>	1. FINAL INSPECTION BY FIRE DEPARTMENT IS REQUIRED - SCHEDULE 72 HOURS IN ADVANCE.
	2. THE PROJECT ADDRESS SHALL BE PROVIDED FOR ALL NEW AND EXISTING BUILDINGS IN A POSITION AS TO BE PLAINLY VISIBLE AND LEGIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY PER LOCAL FIRE DEPARTMENT STANDARDS.
	3. AN UNOBSTRUCTED ALL-WEATHER FIRE APPARATUS ACCESS ROAD SHALL BE IN PLACE PRIOR TO DELIVERY OF COMBUSTIBLE AND OTHER FIRE-PROTECTION SYSTEMS TO THE SITE.
	4. FIRE PREVENTION WATER SERVICE SHALL BE IN SERVICE PRIOR TO DELIVERY OF COMBUSTIBLE BUILDING MATERIALS TO THE SITE.
	5. ACCESS GATES SHALL BE APPROVED PRIOR TO INSTALLATION AND SHALL BE IN COMPLIANCE WITH LOCAL FIRE AUTHORITY.
	6. FIRE SPRINKLER SYSTEM(S) SHALL MEET STATE & LOCAL FIRE CODES AND BE PROVIDED TO PROTECT ENTIRE BUILDING INCLUDING PROJECTIONS OVER 4'-0".
	7. FIRE SPRINKLER SYSTEM(S) AND ALL CONTROL VALVES, INCLUDING EXTERIOR SHALL BE SUPERVISED BY A UL LISTED CENTRAL ALARM STATION OR PER STATE & LOCAL FIRE CODES.
	8. ALL VALVES CONTROLLING THE WATER SUPPLY FOR AUTOMATIC SPRINKLER SYSTEMS AND WATER-FLOW SWITCHES ON ALL SPRINKLER SYSTEMS SHALL BE ELECTRICALLY MONITORED WHERE THE NUMBER OF SPRINKLERS IS (100) OR MORE.
	9. ELECTRICAL SUBCONTRACTORS TO INSTALL WIRING FOR FIRE SPRINKLER, ALARM BELL AND TELEPHONE WARNING AS REQUIRED BY FIRE DEPARTMENT.
	10. INSTALLATION OF FIRE ALARM SYSTEMS SHALL BE IN ACCORDANCE WITH STATE & LOCAL FIRE CODES.

<p>FIRE AUTHORITY NOTES</p>	1. COMPLETE PLANS AND SPECIFICATIONS FOR ALL FIXED FIRE PROTECTION EQUIPMENT INCLUDING AUTOMATIC SPRINKLERS AND OTHER FIRE-PROTECTION SYSTEMS, SHALL BE SUBMITTED BY INSTALLING CONTRACTOR. SUCH PLANS SHALL BE APPROVED BY LOCAL FIRE AUTHORITY PRIOR TO INSTALLATION.
	12. LOCATIONS AND CLASSIFICATIONS OF FIRE EXTINGUISHERS SHALL BE IN ACCORDANCE WITH STATE & LOCAL FIRE CODES AND PLACEMENT IS SUBJECT TO THE APPROVAL OF THE FIRE INSPECTOR. VERIFY QUANTITY & EXACT LOCATION FROM FIRE DEPARTMENT PRIOR TO ORDERING.
	13. AT LEAST ONE (1) FIRE EXTINGUISHER WITH A MINIMUM RATING OF: 2-A-10BC (FOR OFFICE), OR 10-A-80BC (FOR WAREHOUSE), SHALL BE PROVIDED WITHIN 75'-0" MAXIMUM TRAVEL DISTANCE FOR EACH 3,000 SQUARE FEET OR PORTION THEREOF ON EACH FLOOR.
	14. STORAGE, DISPENSING OR USE OF ANY FLAMMABLE AND COMBUSTIBLE LIQUIDS, FLAMMABLE AND COMPRESSED GASES AND OTHER HAZARDOUS MATERIALS SHALL COMPLY WITH STATE & LOCAL FIRE CODES. THE STORAGE AND USE OF HAZARDOUS MATERIALS SHALL BE APPROVED BY THE FIRE AUTHORITY PRIOR TO ANY MATERIALS BEING STORED ON SITE. A SEPARATE PLAN SUBMITTAL IS REQUIRED PRIOR TO THE STORAGE AND USE OF HAZARDOUS MATERIALS.
	15. BUILDING(S) NOT APPROVED FOR HIGH-PILED STOCK (MATERIALS IN CLOSELY PACKED PILES OR ON PALLETS, OR IN RACKS WHERE THE TOP OF STORAGE EXCEEDS 12'-0" IN HEIGHT, AND 6'-0" FOR GROUP "A" PLASTICS AND CERTAIN OTHER HIGH-HAZARD COMMODITIES) SHALL BE APPROVED BY THE FIRE AUTHORITY PRIOR TO MATERIALS BEING STORED ON SITE. A SEPARATE PLAN SUBMITTAL IS REQUIRED FOR HIGH-PILED STORAGE IN ACCORDANCE WITH STATE & LOCAL FIRE CODES.
	16. A LETTER OF INTENDED USE MAY BE REQUIRED BY THE FIRE INSPECTOR.
	17. ALL REQUIRED FIRE DOORS SHALL BEAR A LABEL FROM A RECOGNIZED AGENCY SHOWING THE SPECIFIC RATING.
	18. EXIT SIGNS AND ILLUMINATION SHALL CONFORM TO ALL APPLICABLE BUILDING AND FIRE CODES.
	19. EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.
	20. PROVIDE OR MODIFY AS NEEDED SPRINKLER ALARM AND SMOKE DETECTION SYSTEM PER APPLICABLE CODES INCLUDING IF NECESSARY FOR HORNS, STROBE LIGHTS, CONTROL PANEL, CONTROL PANEL SILENCERS, AUDIO VISUAL ALARMS. SUBMIT SHOP DRAWINGS TO THE FIRE MARSHAL FOR APPROVAL.

<p>PRE-CONST. MEETING</p>	1. PRIOR TO START OF CONSTRUCTION, A PRE-CONSTRUCTION MEETING IS TO BE HELD INCLUDING A RESPONSIBLE REPRESENTATIVE OF THE ARCHITECT, THE OWNER AND THE GENERAL CONTRACTOR. THE DISCUSSION WILL BE IN REGARDS TO THE ARCHITECT-OWNER-CONTRACTOR (AOO) CORRESPONDENCE PROCESSES AND PROCEDURES. AT A MINIMUM, THE FOLLOWING IS TO BE DISCUSSED:
	2. AOC REGULARLY SCHEDULED MEETINGS
	2.1. WHEN
	2.2. WHERE
	2.3. HOW OFTEN
	2.4. IN PERSON VERSUS CONFERENCE CALLS
	2.5. APPROXIMATE ALLOTTED TIME PER MEETING
	3. CONSTRUCTION MEETING MINUTES
	3.1. FORMAT FOR THE MINUTES
	3.2. CONTRACTOR TO AUTHOR THE MINUTES

<p>MILLWORK NOTES</p>	1. CONTRACTOR MUST NOTIFY ARCHITECT / DESIGNER OF ANY DISCREPANCY IN PLANS. FINISH ITEMS CLEARLY SHOWN IN PLANS, BUT OMITTED FROM SCHEDULES OR LEGENDS MUST STILL BE PROVIDED AND INSTALLED BY CONTRACTOR. CONTRACTOR TO VERIFY OMITTED FINISHES WITH ARCHITECT OR DESIGNER PRIOR TO ORDERING PRODUCTS.
	2. SHOP DRAWINGS MUST BE PROVIDED FOR APPROVAL PRIOR TO FABRICATION TO THE ARCHITECT. CABINETMAKER SHALL USE ON SITE FIELD FRAMING DIMENSIONS FOR ALL SHOP DRAWINGS AND FABRICATIONS. ANY SUBSTITUTIONS TO THE FOLLOWING SPECIFICATIONS MUST BE APPROVED BY THE ARCHITECT PRIOR TO FABRICATION.
	3. CABINET MAKER TO COORDINATE & VERIFY WITH CONTRACTOR FINAL LOCATION FOR CANTILEVERED COUNTERS FOR IN-WALL SUPPORT BRACKETS, PRIOR TO GYPSUM BOARD FINISHING OF WALLS. ALL FINAL INSTALLATION HEIGHTS FOR IN-WALL SUPPORT BRACKETS MUST MEET ALL APPLICABLE ACCESSIBILITY CODES AND STANDARDS WITH COUNTER TOP MATERIAL THICKNESS INCLUDED.
	4. MATERIAL COLORS NOT LISTED SHALL BE REQUESTED FROM ARCHITECT/INTERIOR DESIGNER ON SHOP DRAWING SUBMITTALS OR BY LETTER.
	5. ALL UPFERS TO BE LAMINATED TO MATCH BASE CABINETS. BOTH UPFERS & LOWER CABINETS IN WET AREAS TO HAVE MATCHING PVC EDGE. ALL OTHERS TO HAVE PLASTIC LAMINATE EDGE BANDING U.O.N.
	6. ALL CABINETS AND DOORS SHALL BE CONSTRUCTED FROM 3/4" THICK MATERIAL UNLESS APPROVED PRIOR TO EACH JOB.
	7. ALL BASE CABINET ARE NOT TO RECEIVE WALL BASE UNLESS INDICATED ON FINISH PLANS OR ELEVATIONS.
	8. ALL INTERIORS OF CLOSED CABINETS TO BE WHITE MELAMINE/POLYESTER OR APPROVED EQUAL, UNLESS OTHERWISE SPECIFIED.
	9. ALL OPEN CABINETS OR SHELVES TO HAVE PLASTIC LAMINATE TO MATCH EXTERIORS.
	10. NO 3/4" THICK SHELF SHALL SPAN LONGER THAN 32" WITHOUT SUPPORT.

<p>POWER & SIGNAL NOTES</p>	1. COORDINATE TELEPHONE/DATA INSTALLATION WITH APPROPRIATE SUB-CONTRACTOR.
	2. ALL EXISTING ELECTRICAL DEVICES ARE TO REMAIN, UNLESS NOTED OTHERWISE.
	3. ALL OUTLETS TO BE INSTALLED AT LOCATIONS SHOWN BY DIMENSIONS ON THE POWER & SIGNAL PLAN. DIMENSION ALL OUTLETS FROM THE CENTERLINE OF THE OUTLET BOX. NON-DIMENSIONED OUTLETS ARE TO BE LOCATED AT THE NEAREST WALL STUD.
	4. WHEN OUTLETS ARE GROUPED TOGETHER (2 OR MORE), THEY ARE TO BE SPACED NO MORE THAN 2" APART.
	5. ALL ELECTRICAL OUTLETS OF 30 AMPERES OR LESS SHALL BE MOUNTED BETWEEN +15" TO BOTTOM RECEPTACLE AND +48" TO TOP OF RECEPTACLE FROM FINISH FLOOR. SEE NOTE 6, BELOW, FOR GENERAL MOUNTING HEIGHT.
	6. ALL NEW WALL MOUNTED 15, 20, AND 30 AMP OUTLETS/RECEPTACLES TO BE CENTERED AT +18" A.F.F., U.O.N.
	7. ALL TELEPHONE AND DATA CABLE TO BE TEFLO COATED PLENUM RATED CABLE SUPPORTED INDEPENDENTLY FROM SUSPENDED CEILING SYSTEM. CABLEING TO BE SUPPLIED BY TENANT; ALL PULLS AND TERMINATIONS BY GENERAL CONTRACTOR.
	8. LOCATIONS OF FURNITURE POWER FEEDS SHALL ACCOMMODATE CIRCUITS AND WIRE PER ELECTRICAL DRAWINGS. TENANT SHALL BE RESPONSIBLE FOR PROVIDING FURNITURE POWER FEED. GENERAL CONTRACTOR SHALL INSTALL THE POWER FEED.
	9. WHERE DEDICATED ELECTRICAL OUTLETS ARE NOTED WITHIN THE FURNITURE PANEL SYSTEM, THE PANEL SYSTEM SHALL ACCOMMODATE THIS REQUIREMENT.
	10. FLOOR OUTLETS ARE ACCEPTABLE NEXT TO SLIDING PANELS/WALLS AND OTHER SPECIAL CONVENIENT LOCATIONS.

<p>DOOR NOTES</p>	1. VERIFY THAT ALL DOORS AND DOOR HARDWARE MEET THE REQUIREMENTS OF ALL GOVERNING CODES & STANDARDS. NOTIFY THE ARCHITECT IMMEDIATELY IN CASE OF DISCREPANCY.
	2. FIELD MEASURE, AS REQUIRED, ALL DOORS PRIOR TO FABRICATION.
	3. PROVIDE A SIGN ON OR NEAR THE MAIN EXIT DOOR READING: "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPYED".
	4. VERIFY THAT EXISTING DOORS COMPLY WITH ACCESSIBILITY REQUIREMENTS.
	5. RATED DOORS SHALL COMPLY WITH REQUIREMENTS OF ALL GOVERNING CODES & STANDARDS AND SHALL BEAR A LABEL FROM A RECOGNIZED AGENCY SHOWING THE SPECIFIC RATINGS.
	6. ALL HARDWARE TO BE LEVER-TYPE PER GOVERNING CODES & ACCESSIBILITY STANDARDS.
	7. DOOR HANDLES, PULLS OR KNOBS SHALL BE INSTALLED AT 40" ABOVE FINISH FLOOR. ALL OTHER OPERABLE PARTS OF DOOR HARDWARE (SUCH AS DEADBOLTS, KEYSHOLES, ETC.) ARE TO BE CENTERED BETWEEN 34" AND 44" ABOVE FINISH FLOOR. IF EXISTING BUILDING STANDARD EXISTS, MATCH BUILDING STANDARD AND CONFIRM COMPLIANCE WITH ACCESSIBILITY REQUIREMENTS.
	8. SPECIAL LOCKING DEVICES SHALL BE OF AN APPROVED TYPE.
	9. PROVIDE WEATHER SEALS ON ALL EXTERIOR DOORS PER ANSI STANDARDS.
	10. CONTRACTOR IS RESPONSIBLE TO COORDINATE & VERIFY ALL DOOR FRAME THROAT THICKNESS FOR EACH LOCATION.

<p>GLAZING NOTES</p>	1. EACH LIGHT SHALL BEAR THE MANUFACTURER'S LABEL DESIGNATING THE TYPE AND THICKNESS OF THE GLASS.
	2. GLASS SHALL BE FIRMLY SUPPORTED ON ALL FOUR EDGES.
	3. FIELD MEASURE ALL OPENINGS PRIOR TO FABRICATION.
	4. FIXED OR OPERABLE GLAZING IN HAZARDOUS LOCATIONS AS DEFINED IN THE BUILDING CODE SHALL BE TEMPERED GLASS (SAFETY GLASS).
	5. GLAZING IN SWINGS, SLIDING AND BIFOLD DOORS SHALL BE TEMPERED.
	6. GLAZING ADJACENT TO DOORS: ALL GLAZING WITHIN A 24" ARC OF EITHER EDGE OF A DOOR AND WITHIN 60" OF THE FLOOR SHALL BE TEMPERED.
	7. GLAZING IN WINDOWS: ALL GLAZING THAT MEETS ALL OF THE FOLLOWING CONDITIONS SHALL BE TEMPERED: 7.1. THE EXPOSED AREA OF AN INDIVIDUAL PANE IS GREATER THAN 9 SF. 7.2. THE BOTTOM EDGE IS LESS THAN 18" ABOVE THE FLOOR. 7.3. THE TOP EDGE IS GREATER THAN 36" ABOVE THE FLOOR. 7.4. WALKING SURFACE IS WITHIN 36".
	8. ALL GLASS SHALL COMPLY WITH THE REQUIREMENTS OF STATE AND LOCAL CODES AND THE U.S. PRODUCT SAFETY COMMISSION'S SAFETY STANDARDS FOR ARCHITECTURAL GLAZING MATERIALS.
	9. WHERE JOINTS ARE REQUIRED IN MULTIPLE LITE SITUATIONS, SILICON IS TO BE PROVIDED U.O.N.

<p>RESTROOM NOTES</p>	1. PROVIDE DRAIN WITH TRAP PRIMER FOR EACH RESTROOM IF THERE ARE TWO OR MORE FIXTURES. SLOPE FLOOR TO DRAIN AT MIN. 1/8" PER FOOT.
	2. PROVIDE SINGLE LEVER HANDLE FAUCET SET AT 17" MAX. FROM THE FRONT EDGE OF THE SINK COUNTER.
	3. VERIFY BUILDING STANDARD FOR WALL-HUNG/DROP-IN COUNTER SINK WHERE APPLICABLE.
	4. TOILET PAPER DISPENSERS SHALL NOT BE OF TYPE THAT CONTROLS DELIVERY, OR THAT DO NOT ALLOW CONTINUOUS PAPER FLOW. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRIPPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAX.
	5. OPERABLE PARTS OF ALL ACCESSORIES SHALL COMPLY WITH ALL APPLICABLE ACCESSIBILITY CODES AND STANDARDS.
	6. WATER SUPPLY AND DRAIN PIPES UNDER LAVATORIES AND SINKS SHALL BE INSULATED OR OTHERWISE CONFIGURED TO PROTECT AGAINST CONTACT THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES AND SINKS.

<p>G.C. INSTRUCTIONS</p>	1. AT THE START OF JOB PROVIDE A SCHEDULE OF ALL ANTICIPATED SUBMITTALS AND DATES. FLAG SUBMITTALS WHICH ARE OR COULD BE CRITICAL PATH. FLAG SUBMITTALS THAT WILL BE REQUESTED TO BE EXPEDITED FASTER THAN THE STANDARD 7-10 DAYS.
	2. A SUBMITTAL LOG IS TO BE MAINTAINED BY THE GENERAL CONTRACTOR AND A CURRENT COPY IS TO BE INCLUDED WITH EACH SUBMISSION.
	3. ALL SUBMITTALS MUST BE REVIEWED AND APPROVED WITH A STAMP AND SIGNATURE BY THE GENERAL CONTRACTOR PRIOR TO SUBMISSION. THE REVIEW WILL INCLUDE BUT NOT BE LIMITED TO: 3.1. CONFIRMING THAT THE SUBMITTAL MEETS THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. 3.2. COORDINATION HAS TAKEN PLACE WITH ALL INTERCONNECTING TRADES 3.3. THE SUBMITTAL IS COMPLETE AND COMPREHENSIVE.
	4. REQUESTS ON SUBMITTALS FOR DIMENSIONS WHICH CAN BE DISCERNABLE THROUGH MATHEMATICAL MEANS FROM INFORMATION ALREADY PROVIDED ON THE CONTRACT DOCUMENTS WILL NOT BE PROVIDED.
	5. SUBMITTALS NOT REQUESTED BY THE CONTRACT DOCUMENTS MAY OR MAY NOT BE REVIEWED AT THE DESIGN TEAM'S DISCRETION.
	6. SUBMITTALS ARE TO BE ROUTED THROUGH THE ARCHITECT AND ARE NOT TO BE SENT DIRECTLY TO ARCHITECT'S CONSULTANTS UNLESS SPECIFICALLY AUTHORIZED BY THE ARCHITECT.
	7. MINOR CHANGES IN THE WORK MAY OCCUR AS A RESULT OF THE DESIGN TEAM'S REVIEW. IF A CHANGE RESULTS IN MODIFICATIONS TO THE CONTRACT PRICE OR SCHEDULE, THE CONTRACTOR WILL ISSUE A CHANGE ORDER REQUEST FOR REVIEW AND APPROVAL BY THE OWNER AND ARCHITECT PRIOR TO PROCEEDING.
	8. AN RFI LOG IS TO BE MAINTAINED BY THE GENERAL CONTRACTOR AND A CURRENT COPY IS TO BE INCLUDED WITH EACH RFI SUBMISSION ALONG WITH ANY CRITICAL RESPONSE DUE DATES.
	9. RFIs REGARDING METHODS AND MEANS OF CONSTRUCTION WILL NOT BE REVIEWED AND WILL BE REMOVED FROM THE RFI LOG.

THREE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY AND COPYRIGHT OF WARE MALCOLM AND SHALL NOT BE USED ON ANY OTHER WORK EXCEPT BY AGREEMENT WITH WARE MALCOLM. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS AND SHALL BE VERIFIED ON THE JOB SITE. ANY DISCREPANCY SHALL BE BROUGHT TO THE NOTICE OF WARE MALCOLM PRIOR TO THE COMMENCEMENT OF ANY WORK.

US HEALTHWORKS
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OAKLAND, CA 94621

WARE MALCOLM
Leading-Edge Design for Commercial Real Estate

architecture
planning
interiors
graphics
civil engineering

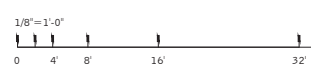
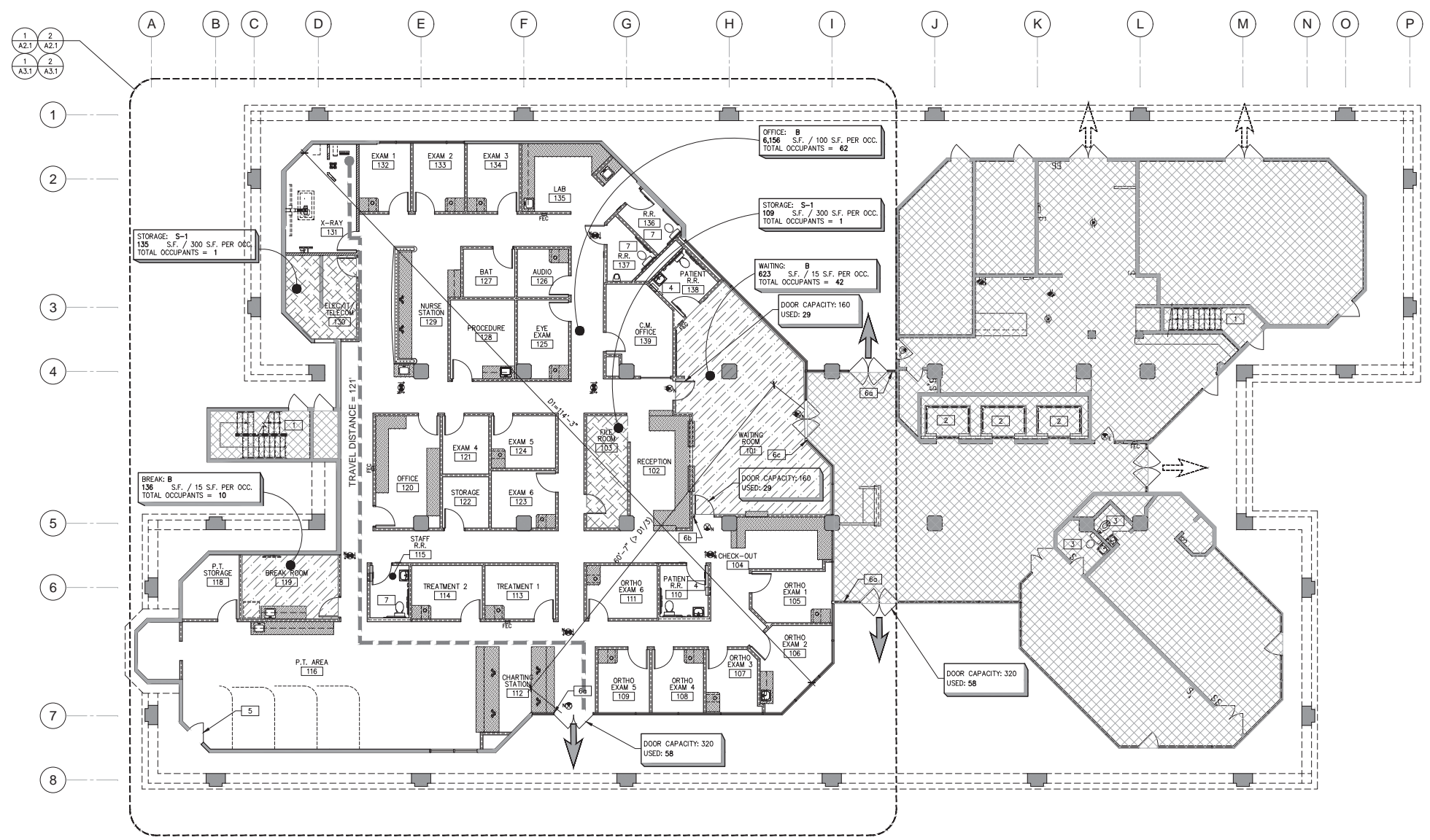
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GENERAL NOTES			REMARKS		
DATE	ISSUE	FOR	DATE	ISSUE	FOR
11/7/17	DO SET ISSUED FOR CLIENT REVIEW				
12/4/2017	ISSUE FOR BID				

PA / PM: S. HOOSHAMND
DRAWN BY: J.A.U.
JOB NO.: SNR17-6159-00

SHEET
A0.2
OF 105

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OVERALL FLOOR & OCCUPANCY AND EGRESS PLAN
SCALE: 1/8"=1'-0"

SEE SHEET A0.1 & A0.2 FOR ADDITIONAL GENERAL NOTES
OCCUPANCY & EGRESS NOTES

- 1 EXISTING STAIR TO REMAIN.
- 2 EXISTING ELEVATOR TO REMAIN.
- 3 EXISTING RESTROOM FACILITY.
- 4 NEW FULLY ACCESSIBLE RESTROOM FACILITY.
- 5 NOT AN EXIT.
- 6 WALL-MOUNTED TACTILE SIGNS LISTED BELOW AT LOCATIONS INDICATED. SEE (A0.3a, A0.3b, A0.3c)
- a) "EXIT"
- b) "TO EXIT"
- c) "EXIT ROUTE"
- 7 NEW RESTROOM FACILITY.

RESTROOM SUMMARY

FIXTURES REQUIRED (BASED ON CPC TABLE 422.1):

	UNISEX	WC MEN	WC WOMEN	URINALS	LAV. MEN	LAV. WOMEN	LAV. UNISEX	DRINKING FOUNTAINS
OFFICE	7,159 S.F. + 200 = 36 + 2 = 18 :	1	1	1	1	1	1	1
TOTAL PROVIDED		5	1	1	1	1	1	1

TRAVEL DISTANCES

MAXIMUM TRAVEL DISTANCE TO EXITS: (1017.2 WITHOUT SPRINKLER SYSTEM)

B/BUSINESS _____ 200 FEET MAX.
S-1/STORAGE (MODERATE-HAZARD WAREHOUSE) _____ 250 FEET MAX.

LEGENDS

- MAXIMUM TRAVEL DISTANCE.
- [Hatched Box] AREA NOT IN CONTRACT (N.I.C.).
- [Diagonal Lines Box] INDICATES AREA OF OCCUPANCY CLASSIFICATION BREAK (B) WITH OCCUPANT LOAD OF 100 PER 2016 CBC
- [Cross-hatched Box] INDICATES AREA OF OCCUPANCY CLASSIFICATION BREAK (B) WITH OCCUPANT LOAD OF 15 PER 2016 CBC
- [Dotted Box] INDICATES AREA OF OCCUPANCY CLASSIFICATION STORAGE, S PER 201366 CBC
- [Arrow] REQUIRED EXIT.
- [Arrow] EXISTING EXIT.

OCCUPANCY & EGRESS LEGEND

NEW CEILING-MOUNTED EXIT SIGN W/ BATTERY BACKUP, SHADED QUADRANT INDICATES FACE OF LETTERING SIGN TO INCLUDE DIRECTIONAL ARROW AS INDICATED - SEE ELEC. DWGS.

NOTE: ADDITIONAL DIRECTIONAL EXIT SIGNS MAY BE REQUIRED PRIOR TO FINAL INSPECTION AND SUBJECT TO BUILDING INSPECTOR.

OVERALL FLOOR & OCCUPANCY AND EGRESS PLAN

DATE	REMARKS
11/7/17	DD SET ISSUED FOR CLIENT REVIEW
12/4/2017	ISSUE FOR BID

PA / PM: S. HOOSHAMD
DRAWN BY: J.A.U.
JOB NO.: SNR17-6159-00

SHEET
A1.1

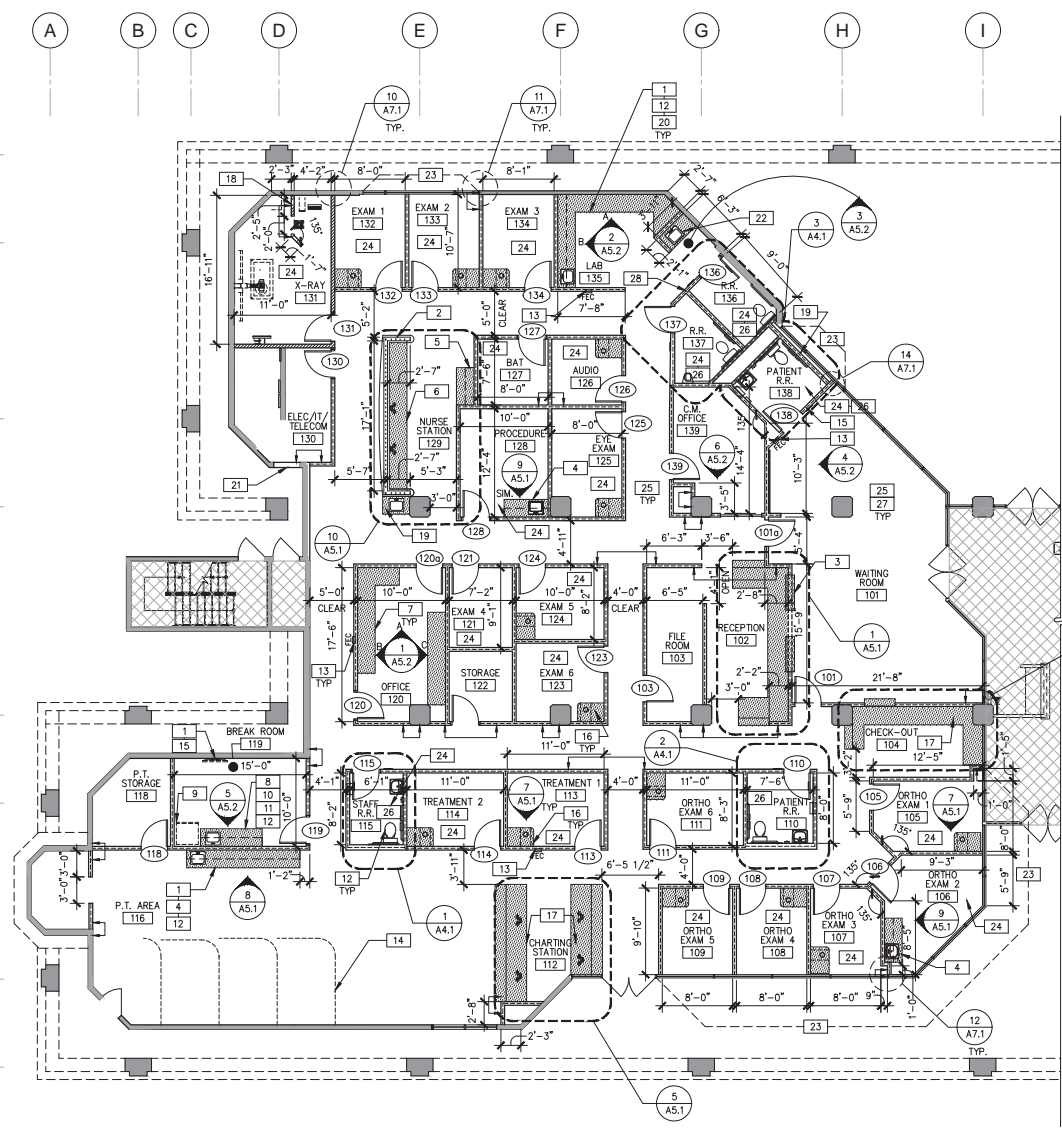
REMARKS		
DATE	ISSUED FOR	ISSUE FOR
11/7/17	ISSUED FOR CLIENT REVIEW	
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CONTRACTOR TO INCLUDE AN ALLOWANCE FOR AN ADDITIONAL 10 OUTLETS AND 10 DATA AND TWO ADDITIONAL ELECTRICAL FLOOR BOXES

POWER AND SIGNAL PLAN
SCALE: 1/8"=1'-0" ②



MILLWORK FINISH AND COMPONENTS TO BE IN STRICT ACCORDANCE WITH USHW'S SPECIFICATIONS.

FLOOR PLAN
SCALE: 1/8"=1'-0" ①

GENERAL NOTES:

SEE SHEET A0.1 & A0.2 FOR ADDITIONAL GENERAL NOTES

FLOOR PLAN

- FOR METAL STUD SIZES AND SPACING SEE LIMITING WALL HEIGHT TABLE L/240
- ALL WALL STUDS TO BE 3-5/8", U.O.N.
- ALL RESTROOM WALL STUDS TO BE 6" AND FULLY INSULATED, U.O.N.
- SEE KEYNOTE INFORMATION FOR ANY REQUIRED INSULATION.
- CONTRACTOR SHALL PROVIDE RECORD DOCUMENTS AND PROVIDE SAID DOCUMENTATION TO TENANT CONSTRUCTION COORDINATOR OR ARCHITECT UPON COMPLETION.
- CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS (IF ANY) AND NOTIFY ARCHITECT OF ANY DISCREPANCIES.
- CONTRACTOR TO INCLUDE ALL FLOOR PREPARATIONS IN BASE BID.
- ALL DRYWALL CORNERS AND COLUMN EDGES TO BE FINISHED WITH METAL TRIM.
- ALL EXPOSED EDGES TO BE FINISHED WITH METAL TRIM.
- DIMENSIONS OF COLUMN FURRING IN A COMMON AREA ARE TO BE EQUAL DIMENSIONS WITH EDGES ALIGNED, U.O.N.
- INTERIOR GYPSUM BOARD WALL SHALL CONFORM TO ICC REPORT ESR-1338.
- GENERAL CONTRACTOR TO REVIEW AND PRICE ALL STANDARDS WITHIN US HEALTHWORKS SPECIFICATIONS DATED 7/26/17

FLOOR PLAN NOTES

- NEW BACKING SUPPORT BEHIND WALL-MOUNTED EQUIPMENT LOCATIONS. GENERAL CONTRACTOR TO SUBMIT BACKING PLAN FOR ARCHITECT AND TENANT APPROVAL. SEE ⑨ (A7.1)
- NEW LOW WALL WITH 1-1/2" THICK PLASTIC LAMINATE TOP CAP AND 1/2" ALUMINUM REVEAL, PROVIDE STEEL SUPPORT AS REQUIRED. WALL TO BE 42" A.F.F.
- CUSTOM RECEPTION DESK WITH TRANSACTION TOP AND ADA ACCESSIBLE PORTION. BASE STORAGE SHALL HAVE A BOX/BOX/FILE AND (1) MOBILE FORM PEDestal COORDINATE GROMMET LOCATION ON SITE. SEE DESK ELEVATIONS FOR ADDITIONAL INFORMATION.
- NEW UPPER & LOWER CABINETS WITH DRAWERS, BACK SPLASH AND SINGLE-BASIN STAINLESS STEEL SINK WITH HYTRONIC GOOSENECK SINK FAUCET WITH DUAL BEAM INFRARED SENSOR FAUCET.
- NEW UPPER & LOWER CABINETS, NO DRAWERS OR BACK SPLASH.
- NEW WORK COUNTER WITH BUILT-IN WALL BRACKETS AND TRANSACTION TOP. PROVIDE GROMMETS AS REQUIRED. SEE ELEVATIONS FOR ADDITIONAL INFORMATION.
- NEW WORK COUNTER WITH BUILT-IN WALL BRACKETS, PROVIDE GROMMETS AS NEEDED.
- NEW COFFEE MAKER TO BE PROVIDED AND INSTALLED BY TENANT. PROVIDE RECESSED WATER LINE.
- NEW REFRIGERATOR TO BE PROVIDED AND INSTALLED BY TENANT. PROVIDE RECESSED WATER LINE FOR ICE MAKER.
- NEW UPPER AND LOWER CABINETS WITH DRAWERS, BACK SPLASH AND DOUBLE-BASIN STAINLESS STEEL SINK WITH SINGLE HANDLE DECK MOUNT FAUCET WITH INTEGRAL SPRAY. PROVIDE GARBAGE DISPOSAL AND INSTA-HOT.
- NEW MICROWAVE TO BE PROVIDED AND INSTALLED BY TENANT.
- SAW-CUT EXISTING CONCRETE FLOOR IN THIS AREA AS REQUIRED FOR NEW PLUMBING. SEE ⑩ (A7.2)
- FIRE EXTINGUISHERS - LARSEN "ARCHITECTURAL SERIES" CABINET, 1-1/4" SQUARE TRIM, SEMI RECESSED WITH "VERTICAL DUO CLEAR ACRYLIC DOOR TYPE. CLEAR SATIN ANODIZE FINISH ALUMINUM TO BE INSTALLED WITH LARSEN'S MP-10 MULTIPURPOSE ABC 10B.
- PROVIDE NEW CEILING MOUNTED CUBICLE TRACK AND ROLLER BY HEALTHCARE CURTAINS #5000 SERIES, TRACK STYLE 5 WITH DIAMOND DRAPERY, EQUALIZER FABRIC IN LIGHT BLUE. CONTACT AUSTRON@DIAMONDRAPERY.COM. BOTTOM OF CURTAIN TO BE AT 12" A.F.F.
- FLATSCREEN TV TO BE PROVIDED BY TENANT.

POWER & SIGNAL PLAN NOTES

- NEW LOWER CABINET WITH BULLNOSED FRONT EDGE. PROVIDE 6" TRASH RING OPENING.
- NEW WORK COUNTER WITH BUILT-IN WALL BRACKETS. BASE STORAGE TO HAVE A BOX/BOX/FILE. COORDINATE GROMMET LOCATION ON SITE. SEE ELEVATION FOR MORE INFORMATION.
- NEW LEAD LINED LOW WALL (WITHOUT TOP CAP), PROVIDE STEEL SUPPORT AS REQUIRED. WALL TO BE 72" A.F.F.
- NEW LOWER CABINETS WITH NO DRAWERS, PROVIDE BACK SPLASH AND SINGLE-BASIN STAINLESS STEEL SINK WITH HYTRONIC GOOSENECK SINK FAUCET WITH DUAL BEAM INFRARED SENSOR.
- NEW UPPER & LOWER CABINETS WITH DRAWERS, BACK SPLASH AND SINGLE-BASIN STAINLESS STEEL SINK WITH HYTRONIC GOOSENECK SINK FAUCET WITH DUAL BEAM INFRARED SENSOR.
- INFILL WALL WHERE DOOR REMOVED. GC TO VERIFY AND MATCH ADJACENT CONSTRUCTION. SEE 13/A7.1
- THIS SIDE OF WALL TO BE EXPOSED METAL STUDS. PROVIDE FALSE MULLION TO ATTACH METAL STUDS. SEE 14/A7.1
- PROVIDE OPAQUE WINDOW FILM AT THIS WINDOW, T.B.D.
- NEW WALLS OF THIS ROOM TO BE INSULATED WITH R-11, UNFACED FIBERGLASS INSULATION.
- FLOAT EXISTING WALLS LEVEL FOR FINISH TO MATCH NEW WALLS.
- IN RESTROOM AND MET WALL LOCATIONS PROVIDE 5/8" MOISTURE RESISTANT GREEN/PURPLE BOARD ON ALL MET WALLS.
- REMOTE FLUSH VALVE LOCATED HERE.
- INCLUDE LOOKS ON } OF ALL UPPER AND LOWER CABINETS AT ALL LOCATIONS.
- ALL FURNITURE TO BE PROVIDED AND INSTALLED BY TENANT. VERIFY EXACT LOCATIONS WITH FURNITURE DEALER PRIOR TO INSTALLATION OF RELATED POWER & SIGNAL CONNECTIONS.
- SAW-CUT EXISTING CONCRETE FLOOR THIS AREA AS REQUIRED FOR NEW POWER. NEW RECEPTACLES TO BE COMPLETELY FLUSH AND ACCEPT FLOOR SURFACE FOR CONCEALED LOOK. SEE ⑩ (A7.2)
- PROVIDE #12 GROUNDING WIRE TO SERVER RACK.
- KAN BAN STORAGE PANELS BY GRAINGER. GENERAL CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR QUANTITIES. GC TO INCLUDE ALLOWANCE OF \$7,500 FOR PANELS AND BAKING.
- PROVIDE POWER AS REQUIRED FOR EXTERIOR SIGNAGE, COORDINATE WITH CLIENTS SIGN VENDOR.

LEGENDS

- INDICATES AREA NOT IN CONTRACT (N.I.C.)
- ALL WALLS TO BE LEVEL 4 FINISH.
- EXISTING CONSTRUCTION
- LOW WALL PARTITION, SEE PLAN SPECIFIC NOTES FOR WALL HEIGHT
- FULL HEIGHT PARTITION TO 6" ABOVE CEILING, INSULATED WITH R-11 UNFACED FIBERGLASS.
- LED LINED FULL HEIGHT PARTITION TO 6" ABOVE CEILING
- LED LINED LOW WALL PARTITION, SEE PLAN SPECIFIC NOTES FOR WALL HEIGHT

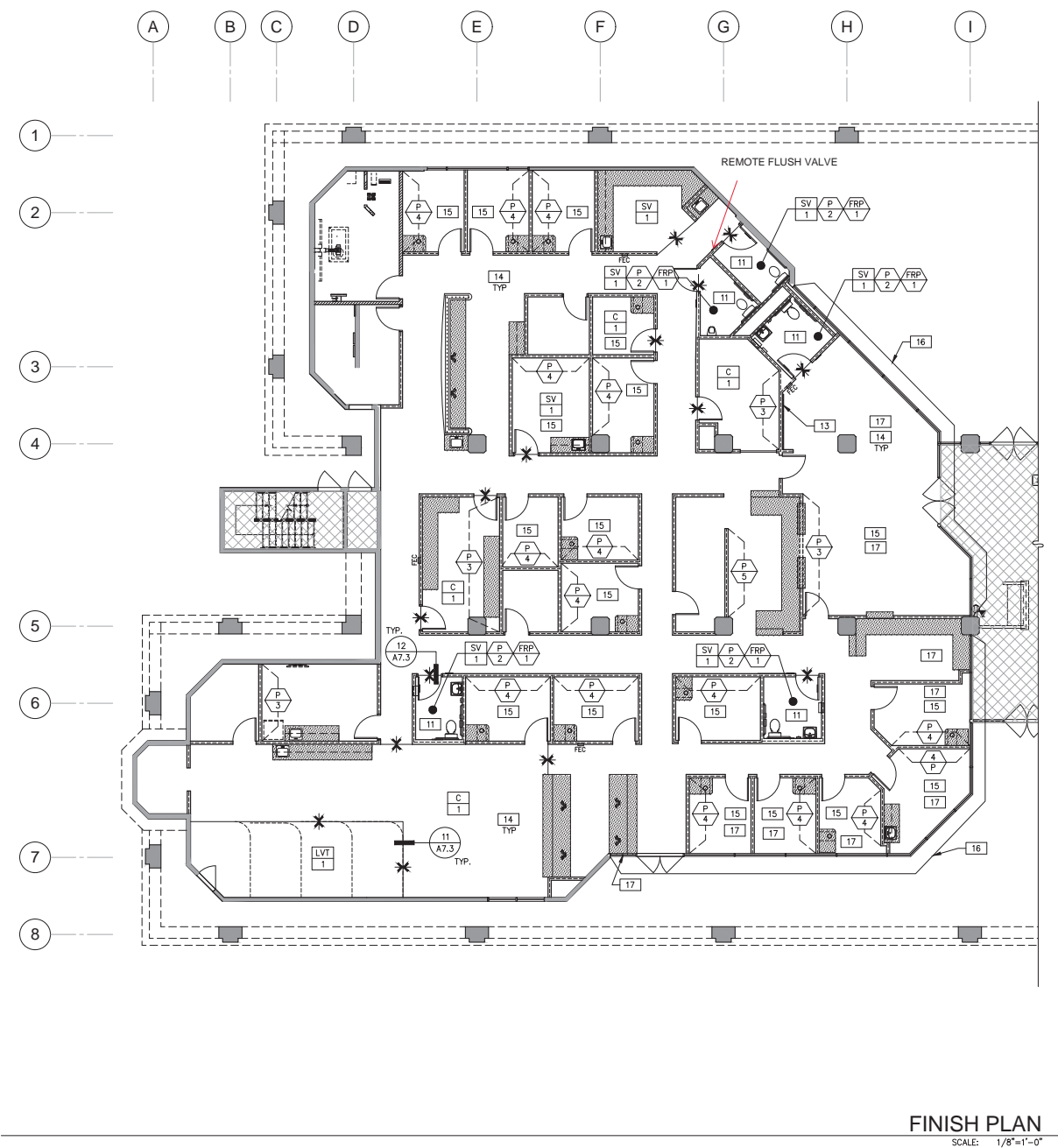
POWER AND SIGNAL LEGEND

- NEW 110v. DUPLEX RECEPTACLE, MOUNTED VERTICALLY AT +18" A.F.F., U.O.N. "C" DESIGNATES RECESSED TYPE SOCKET.
- NEW DEDICATED 110v./20 AMP DUPLEX RECEPTACLE, MOUNTED VERTICALLY AT +18" A.F.F., U.O.N.
- NEW 110v. DUPLEX RECEPTACLE, MOUNTED 6" ABOVE COUNTER OR SPLASH.
- NEW 110v. FOURPLEX RECEPTACLE, MOUNTED AT +18" A.F.F., U.O.N.
- NEW DATA OUTLET MUD RING, WALL-MOUNTED AT 18" A.F.F., U.O.N. PROVIDE PULL ROPE TO ABOVE ACCESSIBLE CEILING SPACE.
- NEW 110v. FOURPLEX RECEPTACLE, MOUNTED 6" ABOVE COUNTER OR SPLASH.
- DEDICATED 110v./20 AMP FOURPLEX RECEPTACLE, MOUNTED 6" ABOVE COUNTER OR SPLASH.
- NEW 110v. DUPLEX RECEPTACLE, MOUNTED FLUSH IN FLOOR BOX WITH FITTINGS. PROVIDE RATING AS REQUIRED. "P" DESIGNATES PEDESTAL TYPE BACKBOARD PANEL. BOTTOM OF PANEL TO BE INSTALLED AT 3'-0" A.F.F. PAINT TO MATCH WALL. PROVIDE (2) 20 AMP DEDICATED FOURPLEX OUTLETS, (1) FOR TELEPHONE EQUIPMENT & (1) FOR SECURITY.

REFLECTED CEILING AND FINISH PLANS

DATE	ISSUED FOR	REVISION	ISSUE FOR
11/7/17	DO SET	CLIENT REVIEW	
12/9/2017	ISSUE FOR BID		

PA / PM: S. HOOSHAMD
DRAWN BY: J.A.U.
JOB NO.: SNR17-6159-00



FINISH PLAN
SCALE: 1/8"=1'-0" 2



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

GENERAL NOTES:
SEE SHEET A0.1 & A0.2 FOR ADDITIONAL GENERAL NOTES
REFLECTED CEILING PLAN
1. SEE KEYNOTE INFORMATION FOR ANY REQUIRED INSULATION.
FINISH PLAN
1. SEE ENLARGED RESTROOM ELEVATIONS FOR WALL FINISHES.
2. SEE MILLWORK ELEVATIONS FOR COUNTERTOP AND CABINETRY FINISHES.
3. PROVIDE APPROPRIATE SEALER FOR ALL NEW FINISHES PER MANUFACTURER'S RECOMMENDATION.
4. PROTECT FINISHES FROM MARKS, MARKS, INDENTATIONS, AND OTHER DAMAGE FROM CONSTRUCTION OPERATIONS AND PLACEMENT OF EQUIPMENT AND FIXTURES DURING REMAINDER OF CONSTRUCTION PERIOD. USE PROTECTION METHODS RECOMMENDED IN WRITING BY MANUFACTURER.
5. INSTALLATION LEVELS OF GYPSUM BOARD FINISHING AS FOLLOWS:
5.1. LEVEL 4 FINISH: IN OFFICES AND OTHER AREAS THAT RECEIVE LOWER PUBLIC TRAFFIC AND VISIBILITY.
6. ROOMS TO RECEIVE PAINT (P-1), RUBBER BASE (RB-1) AND LUXURY VINYL TILE (LVT-1), U.O.N.
7. PREPARE WALLS TO RECEIVE (2) COATS EGGSHELL PAINT, U.O.N.
8. ALL WALLS TO BE PRIMED WITH SHERWIN WILLIAMS PROMAR 200 ZERO VOC PRIMER.
9. GC TO PROVIDE MOISTURE TEST ON SLAB FOR ARCH AND US HEALTHWORKS REVIEW PRIOR TO ORDERING AND INSTALLING FLOORING.
10. SEE US HEALTHWORKS SPECIFICATIONS FOR ALL FINISH REQUIREMENTS.

REFLECTED CEILING NOTES
1. NEW CEILING GRID/TILE TO BE CENTERED IN THIS ROOM.
2. NEW GYPSUM BOARD CEILING SYSTEM.
3. DASHED LINE INDICATES LOCATION OF UPPER CABINETRY.
4. NEW LIGHT FIXTURE TO BE CENTERED IN THIS ROOM.
5. TYPICAL INSTALLATION OF LIGHT SWITCHES AND T-STATS THROUGHOUT, U.O.N. SEE 14 A7.2
6. PROVIDE PHILLIPS CHLORIDE CALIBER SIGNAGE CS-A-2-R-ME14 120/277V WALL MOUNTED LED "X"RAY IN USE" LIGHT WITH RED LETTERS ABOVE AD DOOR. TO BE OCL.
7. PROVIDE FALSE HORIZONTAL MULLION AT 10" A.F.F. FOR CEILINGS TO DIE INTO. PROVIDE OPAQUE FILM ABOVE CEILING GLAZING.
FINISH NOTES
11. NEW PAINT IN THIS ROOM TO BE SEMI-GLOSS.
12. NEW GYPSUM BOARD SOFFIT/CEILING TO RECEIVE PAINT (P-7)
13. GENERAL CONTRACTOR TO PROVIDE TEXTURE 3D WALL PAINTED WITH IOCLE AT THIS WALL. CONTACT TEXTURES3DPANELS.COM, SEE 4/A5.2
14. PROVIDE 48" ACRYOVIN #SSM 20 SURFACE MOUNTED 90 DEGREE CORNER GUARDS IN PEARL GRAY #136. INSTALL CORNER GUARD ABOVE BASE ON ALL CORNERS THROUGHOUT. TO BE INSTALLED AT ALL CORNERS.
15. PROVIDE ACRYOVIN #FR-225N 2.25H WITH CONTINUOUS ALUMINUM RETAINERS, INSIDE MITERED CORNERS AND END CAPS. COLOR PEARL GRAY #136 INSTALLED AT 33" A.F.F. TWO WALLS OF ALL EXAM, ORTHO, TREATMENT, AND PROCEDURE ROOMS AND LOBBY PARTITION WALLS.
16. PROVIDE OPAQUE FILM ABOVE CEILING AT ALL GLAZING AREAS.
17. PROVIDE CLUTCH ROLLER SHADES WITH STAINLESS STEEL CHAIN, WRAPPED HEM BAR AND CASSETTE VALANCES. MERMET/S-SCREEN/COLOR "SEA SALT" 4% OPEN

LEGENDS
INDICATES AREA NOT IN CONTRACT (N.I.C.)
CEILING LEGEND
SUSPENDED CEILING SYSTEM THROUGHOUT TO BE ARMSTRONG 2'X2' ULTIMA TILE #1952 WITH BEVELED TEGULAR EDGE, WITH SLOUHETTE XL 9/16 BOLT SLOT 1/8" REVEAL WHITE GRID 76008.
5/8" TYPE "X" GYPSUM BOARD CEILING OR SOFFIT - USE RATED MATERIAL & CONSTRUCTION WHERE REQUIRED.
NEW 2'X4" LED DIRECT/INDIRECT RECESSED LIGHT FIXTURE, MANUF: LITHONIA "AVANTIE SERIES".
NEW 2'X2" LED DIRECT/INDIRECT RECESSED LIGHT FIXTURE, MANUF: LITHONIA "AVANTIE SERIES".
18. CONTRACTOR TO INCLUDE AN ALLOWANCE OF \$5500 FOR BACKING AND KAN BAN PANELS IN THE STORAGE ROOMS.

NEW RECESSED LED DOWNLIGHT.
CEILING-MOUNTED EXIT SIGN W/ BATTERY BACKUP, SHADED QUADRANT INDICATES FACE OF LETTERING, SIGN TO INCLUDE DIRECTIONAL ARROW AS INDICATED. LITHONIA PRECISE EDGE LIT LED EXIT WITH GREEN LETTERS.
NOTE: ADDITIONAL DIRECTIONAL EXIT SIGNS MAY BE REQUIRED PRIOR TO FINAL INSPECTION AND SUBJECT TO BUILDING INSPECTOR.
SYMBOLS LEGEND
INDICATES LINE OF FLOOR TRANSITION
INDICATES LOCATION OF NON-TYPICAL WALL FINISH
INDICATES DIRECTION OF FLOORING INSTALLATION
FINISH LEGEND
WALL FINISHES
1. ITEM: MFR: FINISH: PAINT - TYPICAL THROUGHOUT, U.O.N. SHERWIN WILLIAMS 6238 IOCLE. EGG SHELL
2. ITEM: MFR: FINISH: PAINT - RESTROOM WALLS SHERWIN WILLIAMS BEHR'S D470-2 OCEANIC CLIMATE SEMI-GLOSS
3. ITEM: MFR: FINISH: PAINT - ACCENT SHERWIN WILLIAMS OLYMPIC'S D06-4 DOVER GRAY EGG SHELL
4. ITEM: MFR: FINISH: PAINT - ACCENT SHERWIN WILLIAMS BEHR'S D470-2 OCEANIC CLIMATE EGG SHELL
5. ITEM: MFR: FINISH: PAINT - ACCENT SHERWIN WILLIAMS 7582 SALLUTE EGG SHELL
FLOOR FINISHES
1. ITEM: MFR: FINISH: CARPET - TYPICAL THROUGHOUT, U.O.N. SHAW CONTRACT GROUP VAPOR TILE 18"X36", STYLE #5036 MYTH 37505
INSTALLATION: BRICK OFFSET LANDSCAPE PATTERN ONE DIRECTION
FOR ADDITIONAL INFORMATION AND REQUIREMENTS REGARDING CARPET SEE www.waremalcomb.com/wa/09650-001.pdf

6. ITEM: MFR: FINISH: PAINT - ACCENT SHERWIN WILLIAMS DOVER GRAY EGG SHELL
7. ITEM: MFR: FINISH: PAINT - RESTROOM CEILING SHERWIN WILLIAMS T80
FRP 1. ITEM: MFR: FINISH: FIBERGLASS REINFORCED PANELS MARLITE 211 ORZEL
INSTALLATION: FROM WALL BASE TO 54" A.F.F., U.O.N. (48" ABOVE TOP OF 6" SELF-COVED BASE)
FOR ADDITIONAL INFORMATION AND REQUIREMENTS REGARDING FRP SEE www.waremalcomb.com/wa/09985-001.pdf
VB 1. ITEM: MFR: FINISH: VINYL BASE ARMSTRONG/MENDITECH SILVER GRAY MODEL NO. 84197
2. ITEM: MFR: FINISH: COVED BURKE PROFILES CONTEMPORARY TYPE TP 4.5
3. ITEM: MFR: FINISH: RUBBER BASE WILSONART SKY GRAY #663
4-1/2" COVED
RB 1. TO BE INSTALLED AT ALL LOCATIONS WITH EXCEPTION TO ROOMS WHERE SV/1 ARE TO BE INSTALLED.
FLOOR FINISHES
1. ITEM: MFR: FINISH: CARPET - TYPICAL THROUGHOUT, U.O.N. SHAW CONTRACT GROUP VAPOR TILE 18"X36", STYLE #5036 MYTH 37505
INSTALLATION: BRICK OFFSET LANDSCAPE PATTERN ONE DIRECTION
FOR ADDITIONAL INFORMATION AND REQUIREMENTS REGARDING CARPET SEE www.waremalcomb.com/wa/09650-001.pdf

LVT 1. ITEM: MFR: FINISH: LUXURY VINYL TILE - FIELD TILE T.S.BURKE LVT20W-23670.
COLOR/NO: NATURAL WOODS, LIGHT OAK
INSTALLATION: BRICK OFFSET LANDSCAPE, ALL ONE DIRECTION
RESIDENT FLOOR COVERING SEE www.waremalcomb.com/wa/09650-001.pdf
SV 1. ITEM: MFR: FINISH: SHEET VINYL ARMSTRONG/MENDITECH SILVER GRAY #84197
INSTALLATION: HEAT WELDED WITH 6" COVED BASE. USE SINGLE WELDING ROD W5103 LIGHT STERLING
FOR ADDITIONAL INFORMATION AND REQUIREMENTS REGARDING RESIDENT FLOOR COVERING SEE www.waremalcomb.com/wa/09650-001.pdf
MISCELLANEOUS FINISHES
PL 1. ITEM: MFR: FINISH: PLASTIC LAMINATE - VERTICAL SURFACES WILSONART #7942K-02 COCOBALA MATTE FINISH
2. ITEM: MFR: FINISH: PLASTIC LAMINATE - HORIZONTAL SURFACES WILSONART #1863K-55 BRAINBROOK GREY
SSM 1. ITEM: MFR: FINISH: SOLID SURFACE SILESTONE #55-00020 ALPINE WHITE

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SEE SHEET A0.1 & A0.2 FOR GENERAL NOTES

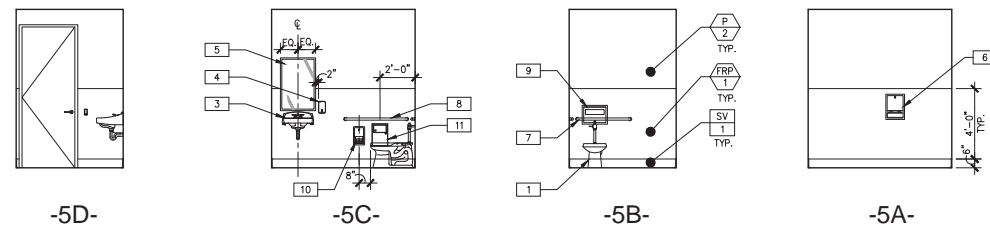
SEE SHEET A0.3 FOR RESTROOM ACCESSIBILITY NOTES & DETAILS

RESTROOM NOTES

- 1 WATER CLOSET - FULLY ACCESSIBLE, FLOOR-MOUNTED WITH FLUSH VALVE. KOHLER K4368 A.S. 3043.102 MADERA 1.6 GPF, CT. CHINA ELONGATED.
- 1a WATER CLOSET - FULLY ACCESSIBLE, FLOOR-MOUNTED WITH REMOTE ACTIVATED FLUSH VALVE. ZURN ZH6606AV-MBP W51 1.6 GPF.
- 2 WATERLESS URINAL - FULLY ACCESSIBLE, WALL-MOUNTED.
- 3 LAVATORY - FULLY ACCESSIBLE, WALL-HUNG, SELF-RIMMING, PORCELAIN SINK WITH WRIST BLADE FAUCET CONTROLS. AMERICAN STANDARD "COMRADE" LAV. #0124.024 W/ FAUCET HOLES ON 4" CENTERS. COLOR: WHITE.
- 4 SOAP DISPENSER - WALL MOUNTED - 17216 MKESSON 874029 GOJO TOUCHLESS HAND WASH DISPENSER CHROME/BLACK. MODEL #15066.
- 5 MIRROR AT SINK - 24"W X 36"H, BOBRICK #B-165 SERIES MIRROR WITH STAINLESS STEEL CHANNEL FRAME.
- 6 PAPER TOWEL DISPENSER - 17207 MKESSON 613677 GEORGIA PACIFIC 59498 MOTIONLESS HAND TOWEL DISPENSER EMOTION TRANSLUCENT SMOKE. VERIFY INSTALLATION ELEVATION WITH TENANT.
- 7 36" GRAB BAR - TOILET COMPARTMENT REAR GRAB BAR - BOBRICK B-6806x36, 36"L X 1-1/2" DIAMETER GRAB-BAR WITH - BOBRICK B-2583 CONCEALED ANCHOR PLATES.
- 8 42" GRAB BAR - TOILET COMPARTMENT REAR GRAB BAR, BOBRICK B-6806x42, 42"L X 1-1/2" DIAMETER GRAB-BAR WITH BOBRICK B-2583 CONCEALED ANCHOR PLATES.
- 9 TOILET SEAT COVER DISPENSER, SURFACE-MOUNTED - BOBRICK B-221 (OR EQUAL).
- 10 DOUBLE-ROLL TOILET TISSUE DISPENSER, SURFACE-MOUNTED - BOBRICK B-2740 (OR EQUAL).
- 11 SANITARY NAPKIN DISPOSAL, SURFACE-MOUNTED - BOBRICK B-270 (OR EQUAL).
- 12 SIGNAGE FOR WALLS AND DOORS. SEE DETAILS 2,3 & 4 ON SHEET A0.3a.
 - a) MEN'S WALL-MOUNTED SIGN
 - b) WOMEN'S WALL-MOUNTED SIGN
 - c) ALL GENDER'S WALL-MOUNTED SIGN
 - d) MEN'S DOOR-MOUNTED SIGN
 - e) WOMEN'S DOOR-MOUNTED SIGN
 - f) ALL GENDER'S DOOR-MOUNTED SIGN

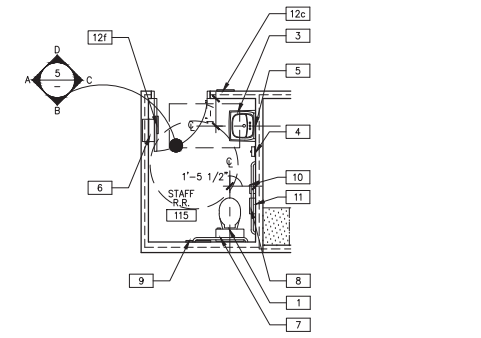
SEE US HEALTHWORKS SPECIFICATIONS FOR ALL FIXTURE SPECS.

**KEYNOTE ITEMS 4 AND 6 TO BE OFCI.



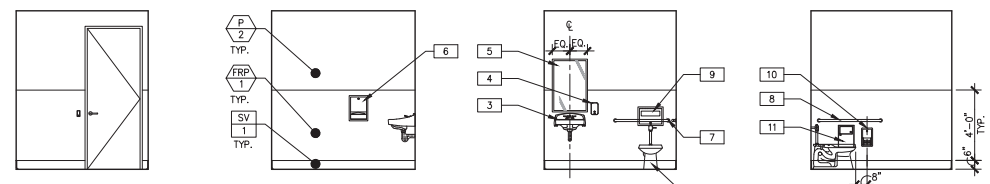
RESTROOM ELEVATIONS

SCALE: 1/4"=1'-0" 5



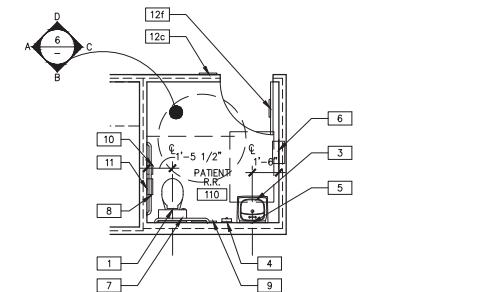
ENLARGED RESTROOM PLAN

SCALE: 1/4"=1'-0" 1 X



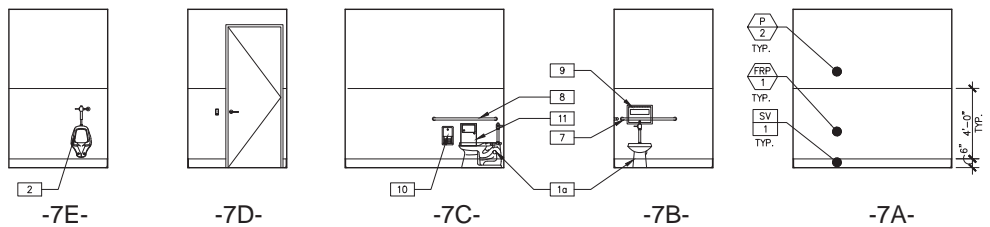
RESTROOM ELEVATIONS

SCALE: 1/4"=1'-0" 6



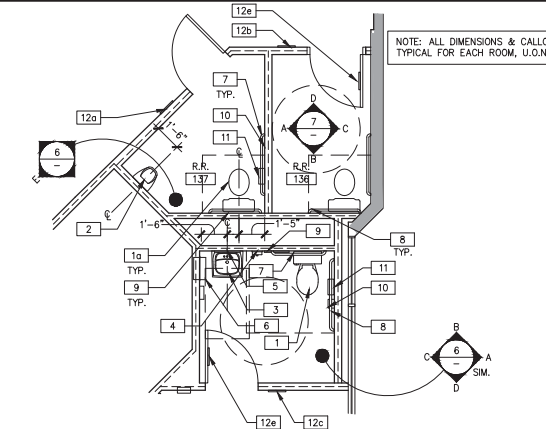
ENLARGED RESTROOM PLAN

SCALE: 1/4"=1'-0" 2



RESTROOM ELEVATIONS

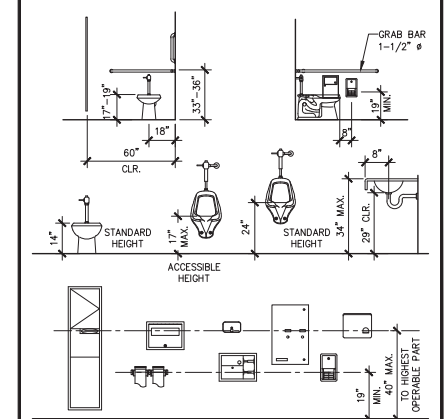
SCALE: 1/4"=1'-0" 7



ENLARGED RESTROOM PLAN

SCALE: 1/4"=1'-0" 3

RESTROOM MOUNTING HEIGHTS



ENLARGED RESTROOM PLAN & ELEVATIONS

DATE	REMARKS
11/7/17	DD SET ISSUED FOR CLIENT REVIEW
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PA / PM:	S. HOOSHAMD
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SHEET
A4.1

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Leading Design for Commercial Real Estate

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4683 shabot dr. suite 300
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US HEALTHWORKS
333 HEGENBERGER, SUITE 100
OAKLAND, CA 94621

MILLWORK/CABINETS NOTES:

- SEE SHEET A0.2 FOR GENERAL NOTES
 SEE SHEET A5.1 FOR FINISHES INFORMATION
 FOR ADDITIONAL INFORMATION AND REQUIREMENTS REGARDING INTERIOR ARCHITECTURAL WOODWORK SEE www.waremalcomb.com/wo/06402-001.pdf
1. ALL MILLWORK SHALL CONFORM TO THE CURRENT WOODWORK INSTITUTE STANDARDS [CUSTOM GRADE / PREMIUM GRADE]. ALL CABINETS SHALL CONFORM TO THE CURRENT WOODWORK INSTITUTE STANDARDS [CUSTOM GRADE / PREMIUM GRADE].
 2. SHOP DRAWINGS FOR ALL CABINETS AND MILLWORK ARE REQUIRED TO BE SUBMITTED TO ARCHITECT AND OWNER FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION.
 3. SEE ELEVATIONS FOR EXTERIOR FINISHES SPECIFICATIONS.
 4. DOOR PULLS SHALL BE: 4" SATIN CHROMIUM WIRE PULLS.
 5. COUNTERTOPS SHALL HAVE BACK-SPLASHES ONLY WHERE SHOWN ON ELEVATION.
 6. CABINET INTERIORS SHALL BE WHITE MELAMINE, INCLUDING EDGES.
 7. INTERIOR SHELVING SHALL BE COVERED IN WHITE MELAMINE.
 8. DOORS SHALL BE OF FLUSH OVERLAY CONSTRUCTION.
 9. DOORS EDGES SHALL BE EDGE BANDED TO MATCH THE FRONTS.
 10. INTERIOR OF DOOR SHALL BE FACED WITH SAME MATERIAL AS THE FRONTS.
 11. EACH CABINET DOOR TO BE NO LESS THAN 12" WIDE AND NO GREATER THAN 18" WIDE U.O.A.
 12. (*) VERIFY ALL EQUIPMENT CLEARANCES.
 13. SEE US HEALTHWORKS SPECIFICATIONS FOR ALL MILLWORK STANDARDS.

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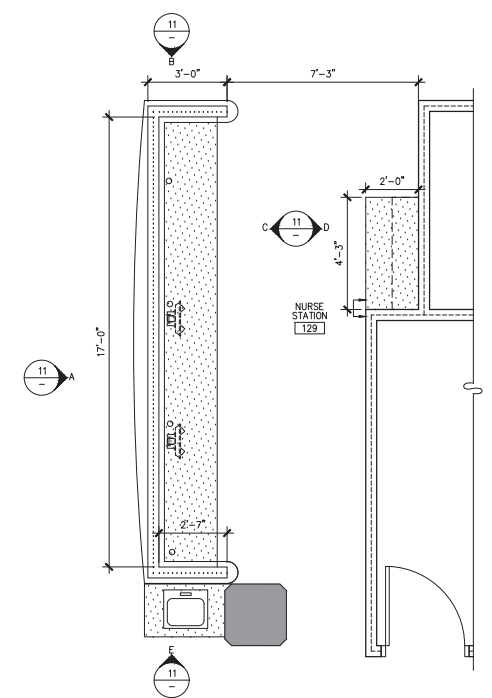
US HEALTHWORKS
 333 HEGENBERGER, SUITE 100
 OAKLAND, CA 94621

ENLARGED PLANS MILLWORK ELEVATIONS

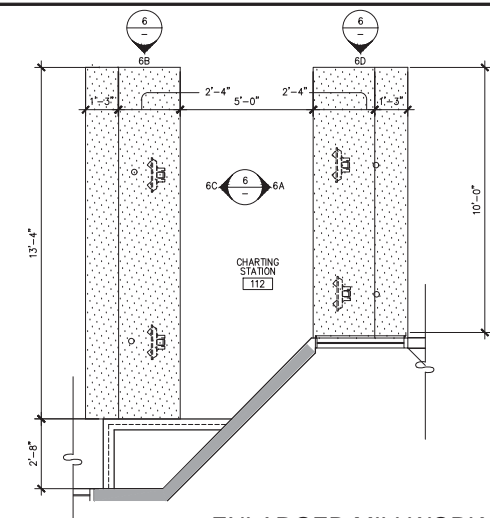
DATE	REMARKS
11/7/17	DD SET ISSUED FOR CLIENT REVIEW
12/4/2017	ISSUE FOR BID

PA / PM: S. HOOSHAMND
 DRAWN BY: J.A.U.
 JOB NO.: SNR17-6159-00

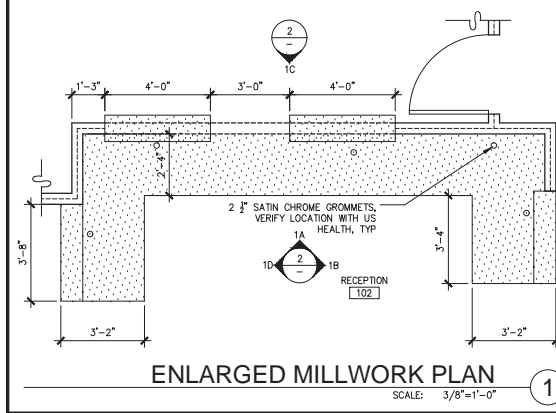
SHEET
A5.1



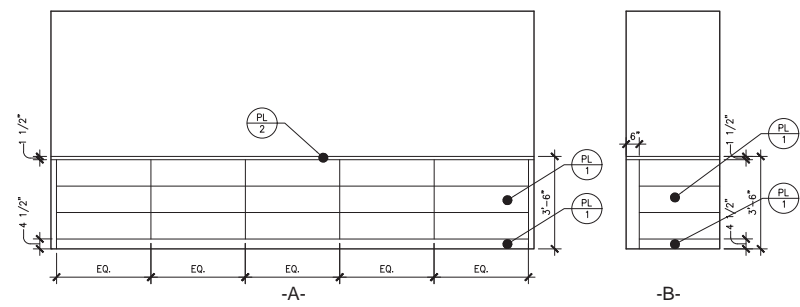
ENLARGED MILLWORK PLAN 10
 SCALE: 3/8"=1'-0"



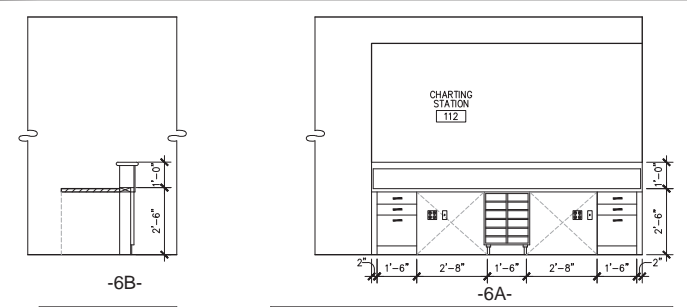
ENLARGED MILLWORK PLAN 5
 SCALE: 3/8"=1'-0"



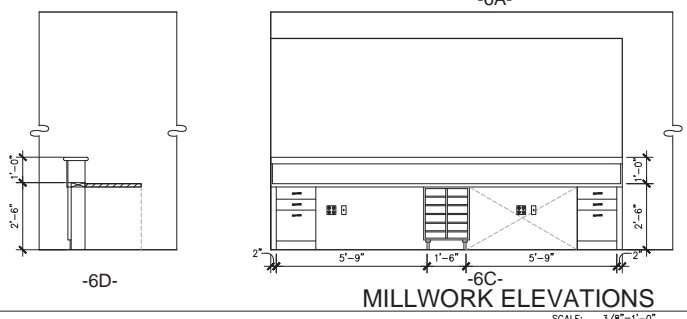
ENLARGED MILLWORK PLAN 1
 SCALE: 3/8"=1'-0"



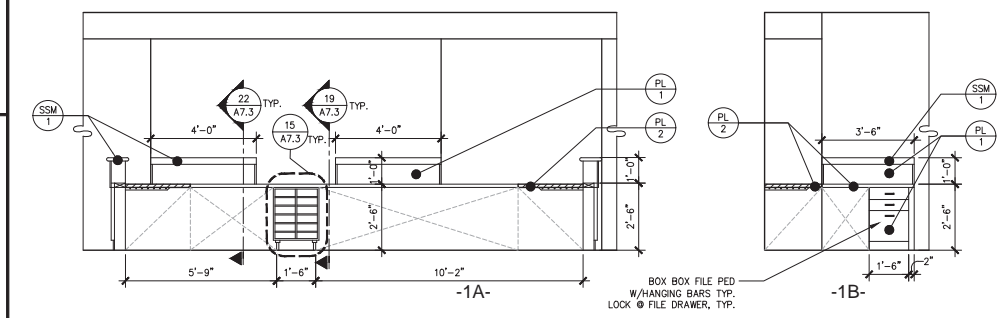
MILLWORK ELEVATIONS 10



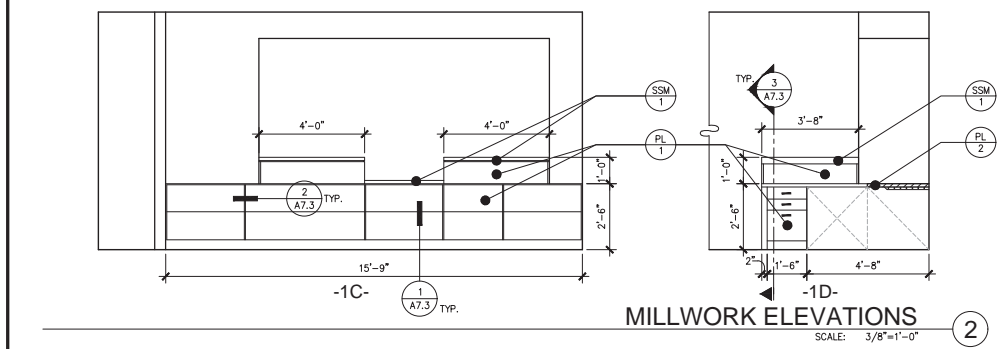
MILLWORK ELEVATIONS 6



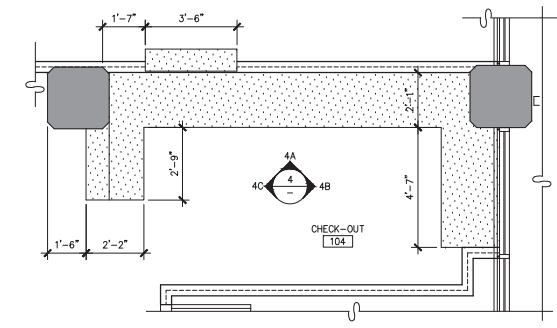
MILLWORK ELEVATIONS 6



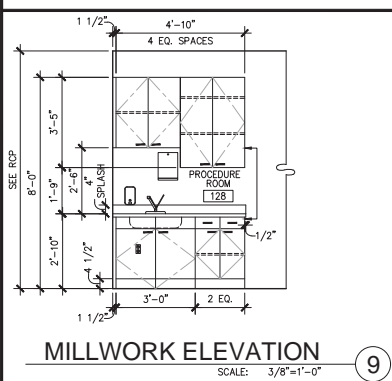
MILLWORK ELEVATIONS 2



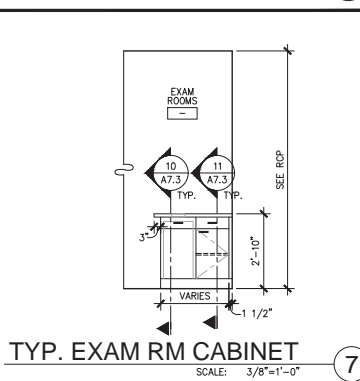
MILLWORK ELEVATIONS 2



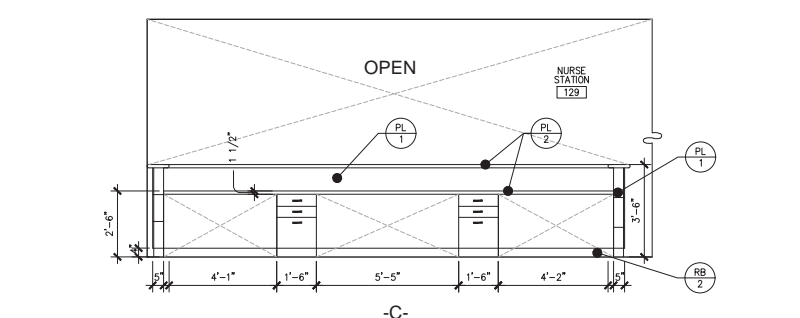
ENLARGED MILLWORK PLAN 3
 SCALE: 3/8"=1'-0"



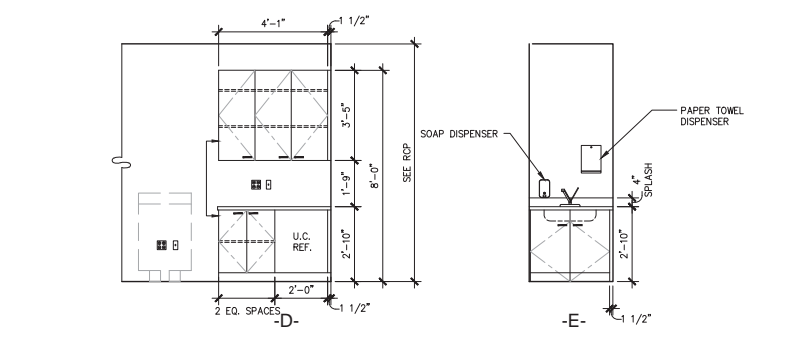
MILLWORK ELEVATION 9
 SCALE: 3/8"=1'-0"



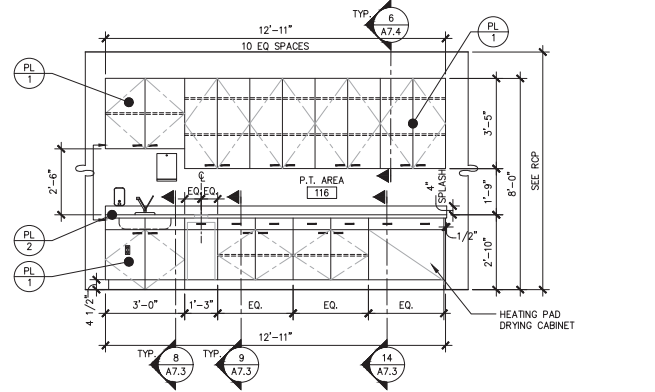
TYP. EXAM RM CABINET 7
 SCALE: 3/8"=1'-0"



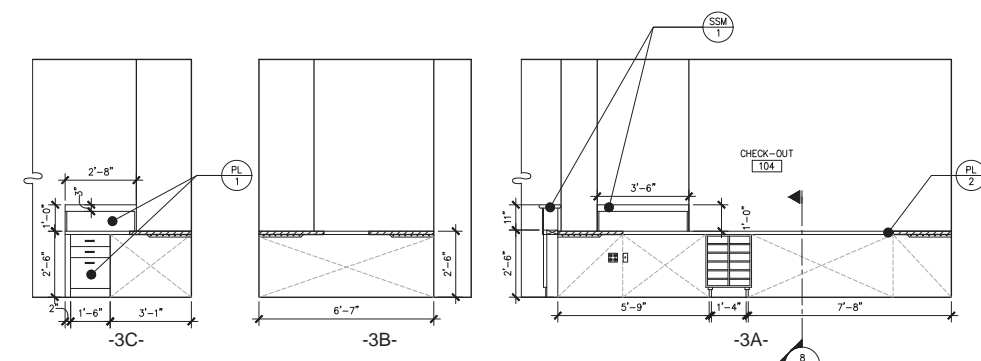
MILLWORK ELEVATIONS 11



MILLWORK ELEVATIONS 11
 SCALE: 3/8"=1'-0"



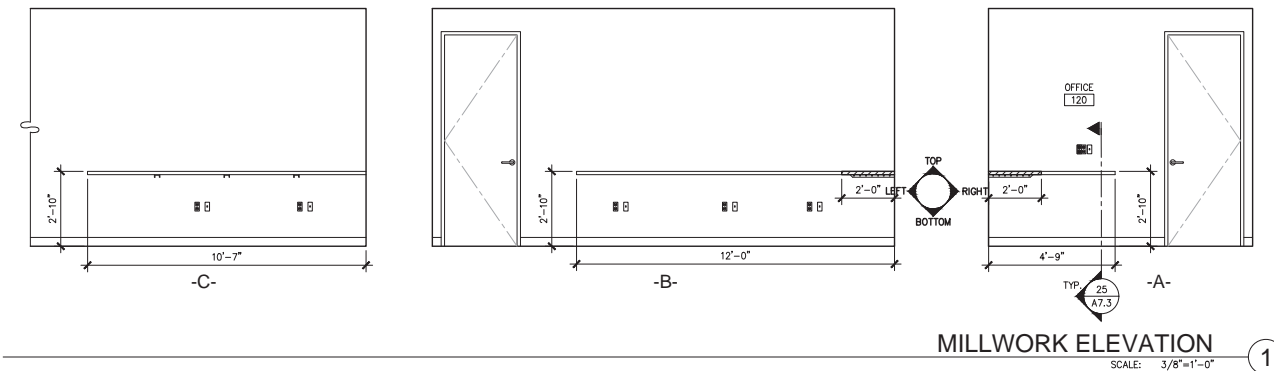
MILLWORK ELEVATION 8
 SCALE: 3/8"=1'-0"



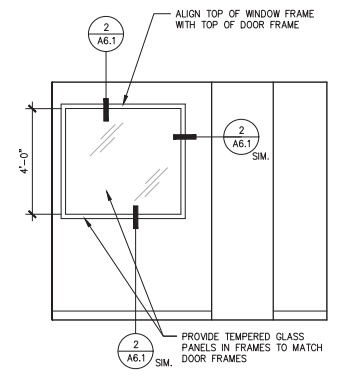
MILLWORK ELEVATIONS 4
 SCALE: 3/8"=1'-0"

MILLWORK/CABINETS NOTES:

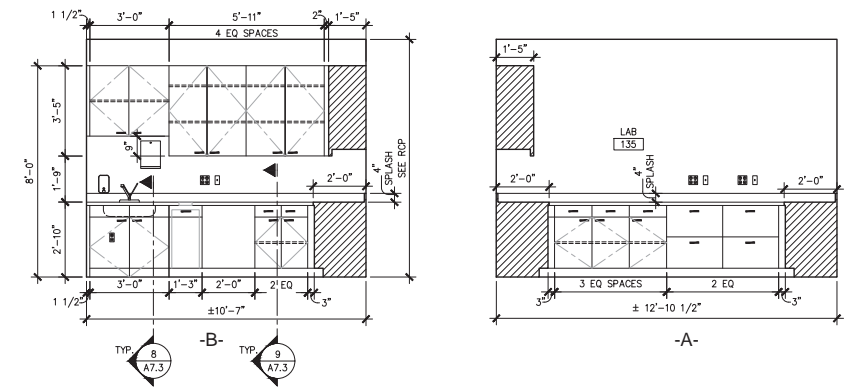
- SEE SHEET A0.2 FOR GENERAL NOTES
SEE SHEET A5.1 FOR FINISHES INFORMATION
- FOR ADDITIONAL INFORMATION AND REQUIREMENTS REGARDING INTERIOR ARCHITECTURAL WOODWORK SEE www.waremalcomb.com/wa/06402-001.pdf
- ALL MILLWORK SHALL CONFORM TO THE CURRENT WOODWORK INSTITUTE STANDARDS [CUSTOM GRADE / PREMIUM GRADE] ALL CABINETS SHALL CONFORM TO THE CURRENT WOODWORK INSTITUTE STANDARDS [CUSTOM GRADE / PREMIUM GRADE]
 - SHOP DRAWINGS FOR ALL CABINETS AND MILLWORK ARE REQUIRED TO BE SUBMITTED TO ARCHITECT AND OWNER FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION.
 - SEE ELEVATIONS FOR EXTERIOR FINISHES SPECIFICATIONS.
 - DOOR PULLS SHALL BE: 4" SATIN CHROMIUM WIRE PULLS.
 - COUNTERTOPS SHALL HAVE BACK-SPLASHES ONLY WHERE SHOWN ON ELEVATION.
 - CABINET INTERIORS SHALL BE WHITE MELAMINE, INCLUDING EDGES.
 - INTERIOR SHELVING SHALL BE COVERED IN WHITE MELAMINE.
 - DOORS SHALL BE OF FLUSH OVERLAY CONSTRUCTION.
 - DOORS EDGES SHALL BE EDGE BANDED TO MATCH THE FRONTS.
 - INTERIOR OF DOOR SHALL BE FACED WITH SAME MATERIAL AS THE FRONTS.
 - INTERIOR OF DOOR SHALL BE NO LESS THAN 12" WIDE AND NO GREATER THAN 18" WIDE U.O.N.
 - (*) VERIFY ALL EQUIPMENT CLEARANCES.



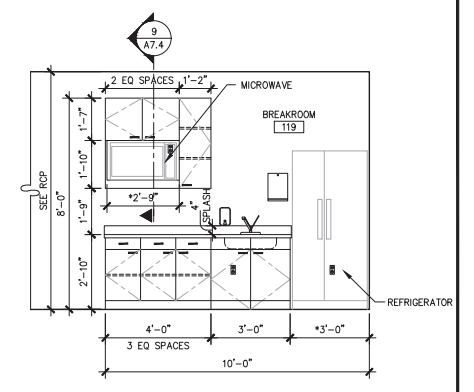
MILLWORK ELEVATION 1
SCALE: 3/8"=1'-0"



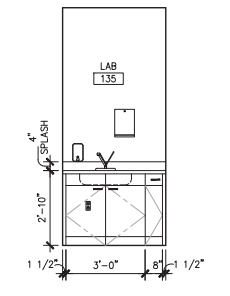
GLAZING ELEVATION 6
SCALE: 3/8"=1'-0"



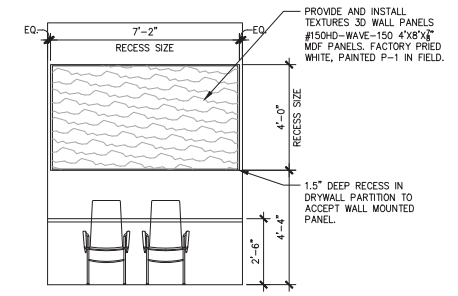
MILLWORK ELEVATION 2
SCALE: 3/8"=1'-0"



MILLWORK ELEVATION 5
SCALE: 3/8"=1'-0"



MILLWORK ELEVATION 3
SCALE: 3/8"=1'-0"



WAITING ROOM WAVE WALL 4
SCALE: 3/8"=1'-0"

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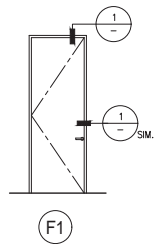
MILLWORK INTERIOR ELEVATIONS

DATE	REMARKS	DATE	REMARKS
11/7/17	100 SET ISSUED FOR CLIENT REVIEW		
12/4/2017	ISSUE FOR BID		

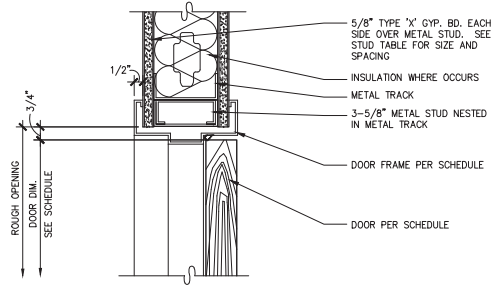
PA / PM: S. HOOSHAMD
DRAWN BY: J.A.U.
JOB NO.: SNR17-6159-00

SHEET
A5.2

DOOR TYPES

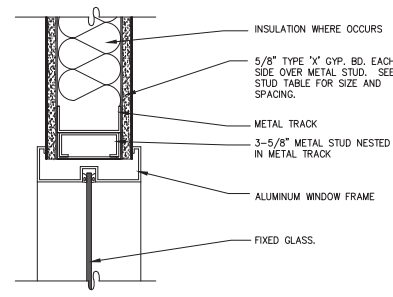


F1



DOOR HEAD (JAMB SIM.)

SCALE: 3" = 1'-0" IDRAL-Head-07 1



WINDOW HEAD (JAMB & SILL SIM)

SCALE: 3" = 1'-0" IWAL-Window_head-01 2

DOOR SCHEDULE

Table with columns: DOOR NO., ROOM NO., DOOR TYPE ELEVATION, DOOR SIZE (WIDTH, HEIGHT), DOOR SPECIFICATION, FRAME SPECIFICATION, FIRE RATING (MINUTES), HARDWARE GROUP, OPERATING HARDWARE, DOOR COMPONENTS (PANIC DEVICE, CARD READER, CLOSER, COORD., ASTRALGAL, SEALS, DOOR BOTTOM, HOLD OPENS, DOOR STOP, FLOOR STOP, OVERHEAD W. WALL STOP, KICKPLATES, COAT HOOK), and DOOR KEYNOTES.

HARDWARE SPECIFICATIONS

OPERATING HARDWARE

HARDWARE GROUPS

DOOR & FRAME SPECIFICATIONS

REMARK KEY NOTES

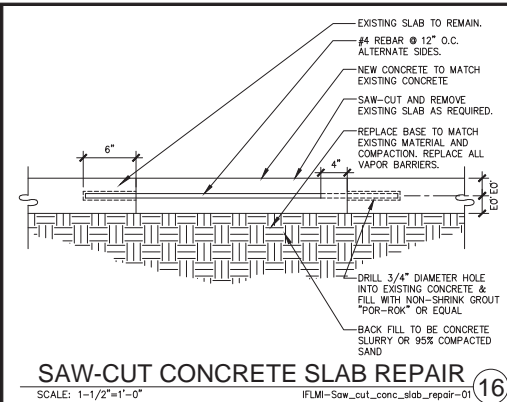
GENERAL NOTES

Main table containing detailed specifications for hardware, operating hardware, door & frame, remark key notes, and general notes.

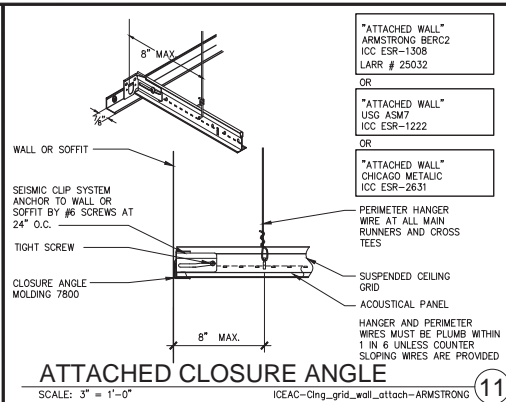
WARE MALCOMB logo and contact information: 4683 Shabot Dr., Suite 300, Pleasanton, California 94588, P: 925.344.8621

US HEALTHWORKS logo and address: 333 HEGENBERGER, SUITE 100, OAKLAND, CA 94621

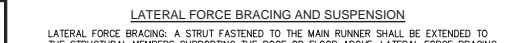
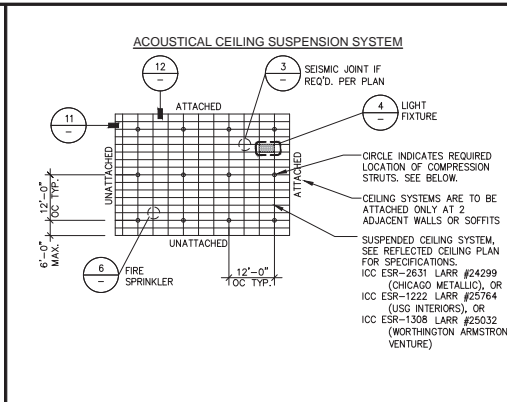
DOOR SCHEDULE table with columns for DATE, REMARKS, and PA/PM, and a large A6.1 label at the bottom.



SAW-CUT CONCRETE SLAB REPAIR
IFMI-Saw_cut_conc_slab_repair-01



ATTACHED CLOSURE ANGLE
ICEAC-Cng_grid_wall_attach-ARMSTRONG



THE FOLLOWING INSTALLATION DETAILS ARE TO BE CONSIDERED TO BE COMPLYING WITH THE ABOVE REQUIREMENTS.

NOTES:
1. WHERE THE ROOF SYSTEM IS COMPOSED OF WOOD BEAMS, PURLINS, AND SUB-PURLINS, THE 2 X 4 SUB-PURLINS ARE NOT TO BE CONSIDERED AS STRUCTURAL MEMBERS SUPPORTING THE ROOF.
2. CEILING SUSPENSION SYSTEM SHALL COMPLY WITH 808 AND 2506.2.1. COMPONENTS SHALL BE ASTM "HEAVY DUTY" CLASS.
3. THE COMPRESSION STRUT SHALL BE VERTICAL, AND SHALL NOT HANG MORE THAN 1 IN 6 OUT-OF-PLUMB.

THE FOLLOWING SPANS ARE BASED UPON STUDS HAVING A 1-5/8" LEG WITH A 3/8" RETURN. DOUBLE STUDS ARE CONNECTED TOGETHER IN THE SHAPE OF A T, WITH ONE #6 SHEET METAL SCREW AT 15" O.C. ATTACH THE METAL STUD TO THE 1-BAR MAIN RUNNER WITH TWO #8 SCREWS. SEE DETAILS FOR ATTACHMENT TO STRUCTURE ABOVE.

METAL STUDS:
THE FOLLOWING SPANS ARE BASED UPON STUDS HAVING A 1-5/8" LEG WITH A 3/8" RETURN. DOUBLE STUDS ARE CONNECTED TOGETHER IN THE SHAPE OF A T, WITH ONE #6 SHEET METAL SCREW AT 15" O.C. ATTACH THE METAL STUD TO THE 1-BAR MAIN RUNNER WITH TWO #8 SCREWS. SEE DETAILS FOR ATTACHMENT TO STRUCTURE ABOVE.

SECTION:	(MIL)	12"	14"	16"	18"	20"	24"
362S125	18	9'-3"	8'-7"	7'-7"	12'-8"	11'-7"	10'-0"
362S125	27	10'-8"	9'-10"	8'-10"	15'-0"	14'-4"	12'-4"
362S125	30	11'-0"	10'-2"	9'-1"	15'-6"	14'-4"	12'-10"
362S125	33	11'-5"	10'-7"	9'-5"	16'-2"	14'-10"	13'-3"
362S125	43	12'-8"	11'-8"	10'-5"	17'-9"	16'-5"	14'-8"
362S137	27	12'-0"	11'-2"	10'-0"	17'-2"	15'-11"	14'-5"
362S137	33	12'-11"	11'-11"	10'-8"	18'-4"	16'-11"	15'-2"
362S137	43	14'-3"	13'-2"	11'-8"	20'-0"	18'-6"	16'-7"
362S162	33	14'-8"	13'-7"	12'-2"	20'-10"	18'-11"	16'-4"
362S162	43	16'-2"	14'-11"	13'-4"	22'-8"	20'-7"	18'-0"
400S125	27	10'-11"	10'-1"	9'-1"	15'-5"	14'-3"	12'-9"
400S125	30	11'-4"	10'-5"	9'-4"	16'-0"	14'-0"	13'-2"
400S125	33	11'-9"	10'-10"	9'-8"	16'-7"	15'-3"	13'-8"
400S125	43	13'-0"	12'-0"	10'-8"	18'-3"	16'-10"	15'-0"
400S137	27	12'-4"	11'-5"	10'-3"	17'-7"	16'-4"	14'-8"
400S137	33	13'-3"	12'-3"	10'-11"	18'-9"	17'-4"	15'-7"
400S137	43	14'-7"	13'-6"	12'-0"	20'-7"	19'-0"	17'-0"
400S162	33	15'-0"	13'-11"	12'-6"	21'-5"	19'-10"	17'-9"
400S162	43	16'-7"	15'-3"	13'-8"	23'-4"	21'-7"	19'-4"
600S125	27	12'-5"	11'-6"	10'-4"	17'-11"	16'-6"	14'-9"
600S125	30	12'-9"	11'-10"	10'-8"	18'-5"	17'-1"	15'-3"
600S125	33	13'-2"	12'-3"	11'-0"	18'-11"	17'-7"	15'-10"
600S125	43	14'-6"	13'-4"	11'-11"	20'-6"	19'-0"	17'-0"
600S137	33	14'-11"	13'-9"	12'-5"	21'-5"	19'-10"	17'-10"
600S137	43	16'-3"	15'-0"	13'-5"	23'-1"	21'-5"	19'-5"
600S162	33	16'-11"	15'-8"	14'-1"	24'-5"	22'-8"	20'-5"
600S162	43	18'-5"	17'-0"	15'-3"	26'-4"	24'-4"	21'-11"

MEMBER DEPTH:
(EXAMPLE: 6" = 600 X 1/100 INCHES)
ALL MEMBER DEPTHS ARE TAKEN IN 1/100 INCHES. FOR ALL "T" SECTIONS MEMBER DEPTH IS THE INSIDE DIMENSION.

FLANGE WIDTH:
(EXAMPLE: 1 5/8" = 1.625" = 162 X 1/100 INCHES)
ALL FLANGE WIDTHS ARE TAKEN IN 1/100 INCHES.

STYLE:
(EXAMPLE: STUD OR JOIST SECTION = S)
THE FOUR ALPHA CHARACTERS UTILIZED BY THE DESIGNATION SYSTEM ARE:
S = STUD OR JOIST, T = TRUSS, U = CHANNEL, F = FURRING

MATERIAL THICKNESS:
(EXAMPLE: 0.054 IN. = 54 MILS, 1 MIL = 1/1000 IN.)
MATERIAL THICKNESS IS THE MINIMUM BASE METAL THICKNESS IN MILS. MINIMUM BASE METAL THICKNESS REPRESENTS 95% OF THE DESIGN THICKNESS.

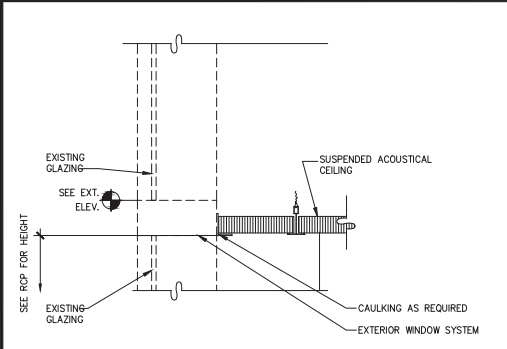
CEILING SPAN TABLE NOTES:
1. VALUES ARE FOR SINGLE SPANS.
2. ALLOWABLE CEILING SPAN CALCULATIONS BASED ON 33KSI YIELD STRENGTH STEEL.
3. FOR FULLY BRACED CEILINGS, USE MID-SPAN BRACED VALUES.
4. END BEARING LENGTH = 1" MINIMUM.

LATERAL SUPPORT OF COMPRESSION FLANGE

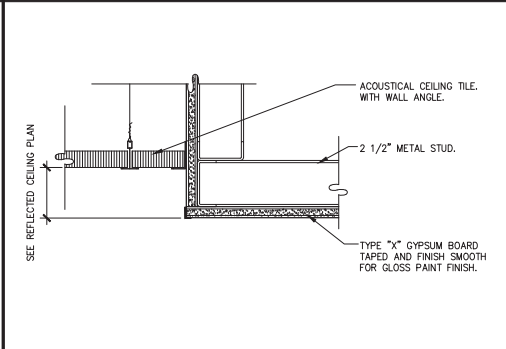
SECTION:	(MIL)	12"	14"	16"	18"	20"	24"
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600S125	33	13'-2"	12'-3"	11'-0"	18'-11"	17'-7"	15'-10"
600S125	43	14'-6"	13'-4"	11'-11"	20'-6"	19'-0"	17'-0"
600S137	33	14'-11"	13'-9"	12'-5"	21'-5"	19'-10"	17'-10"
600S137	43	16'-3"	15'-0"	13'-5"	23'-1"	21'-5"	19'-5"
600S162	33	16'-11"	15'-8"	14'-1"	24'-5"	22'-8"	20'-5"
600S162	43	18'-5"	17'-0"	15'-3"	26'-4"	24'-4"	21'-11"

NOTE: ALL JOIST INFORMATION IS BASED ON STEEL STUD MANUFACTURERS ASSOCIATION (SSMA) ICC ESR-3064P

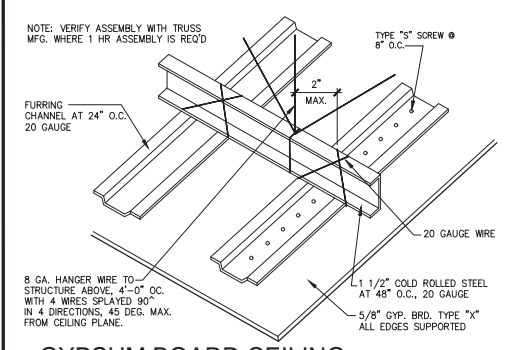
ALLOWABLE CEILING SPANS - L/240
SCALE: NONE



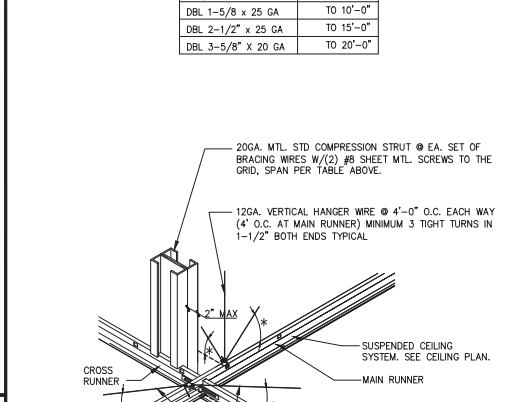
FALSE MULLION @ EXTERIOR WINDOW
ICEAC-Soffit_exterior_window-01



CEILING TRANSITION
6159_A72



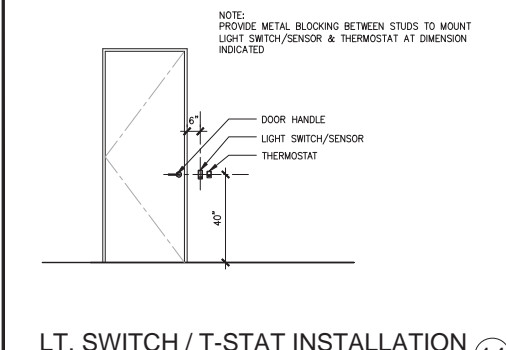
GYPSUM BOARD CEILING
ICEGB-GB_cng-01



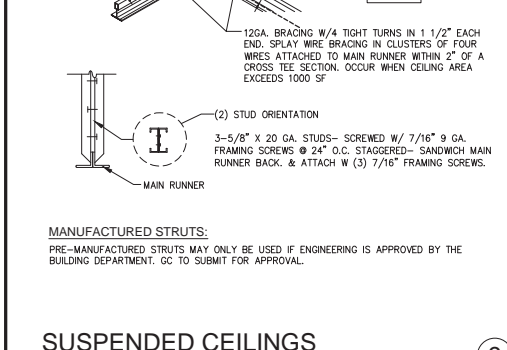
SEISMIC JOINT CLIP
ICEAC-Cng_grid_seismic



LT. SWITCH / T-STAT INSTALLATION
MIMI-Light_switch_T_stat-02



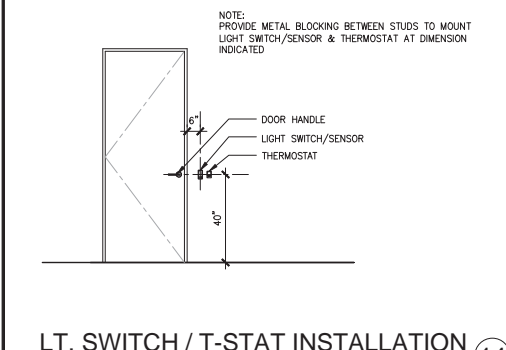
SUSPENDED CEILINGS
ICEAC-Susp_vertical_strut_CatD-01



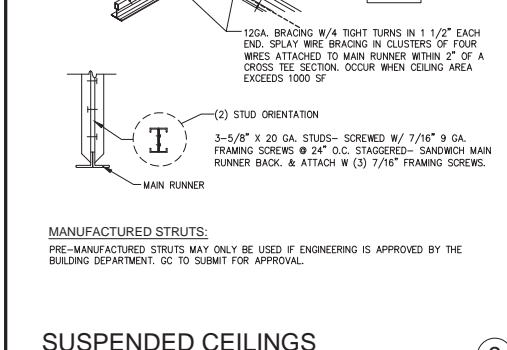
LIGHT FIXTURE @ SUSPENDED CLNG
ICEAC-Susp_light_heavyduty-02



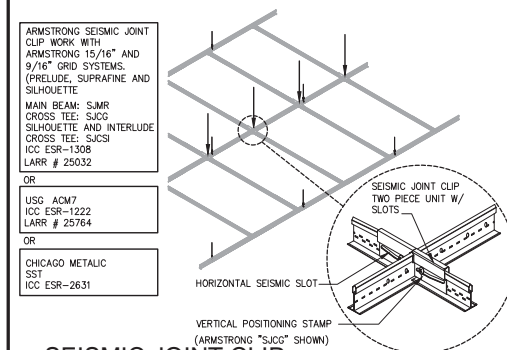
FIRE EXTINGUISHER CABINET
FFMI-FEC-01



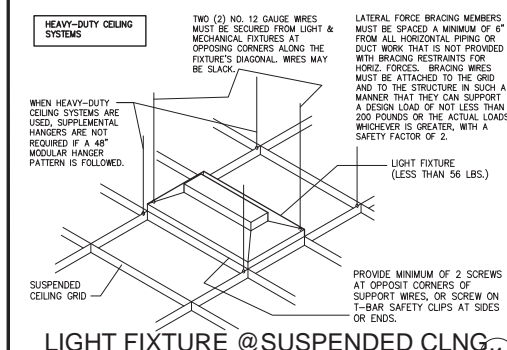
UNATTACHED CLOSURE ANGLE
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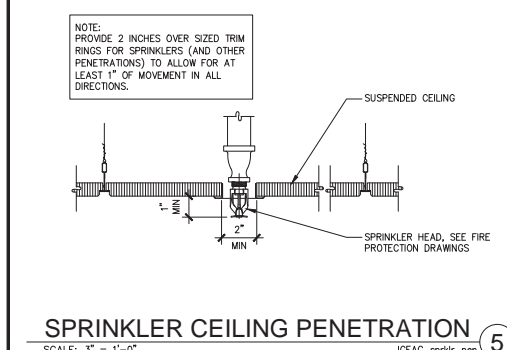
SPRINKLER CEILING PENETRATION
ICEAC_sprkr_pen



SEISMIC JOINT CLIP
ICEAC-Cng_grid_seismic



LIGHT FIXTURE @ SUSPENDED CLNG
ICEAC-Susp_light_heavyduty-02



SPRINKLER CEILING PENETRATION
ICEAC_sprkr_pen

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DATE	REVISIONS	ISSUED FOR
11/7/17	ISSUED FOR CLIENT REVIEW	
12/4/2017	ISSUE FOR BID	

DATE: 11/7/17
ISSUED FOR: CLIENT REVIEW
DATE: 12/4/2017
ISSUE FOR: BID

REMARKS

PA / PM: S. HOOSHAMD
DRAWN BY: J.A.U.
JOB NO.: SNR17-6159-00

SHEET
A7.2

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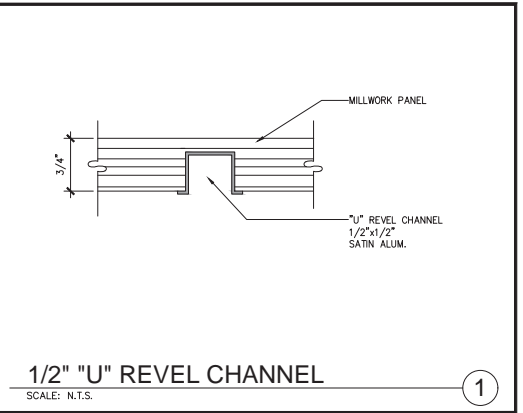
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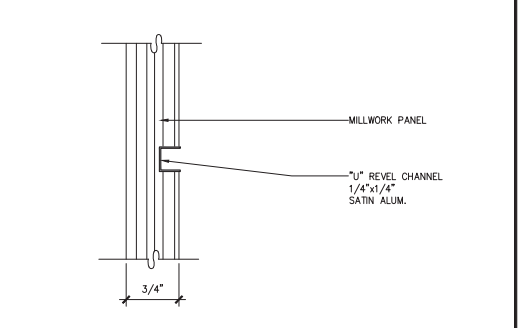
MILLWORK DETAILS

DATE	REMARKS
11/7/17	ISSUED FOR CLIENT REVIEW
12/4/2017	ISSUE FOR BID

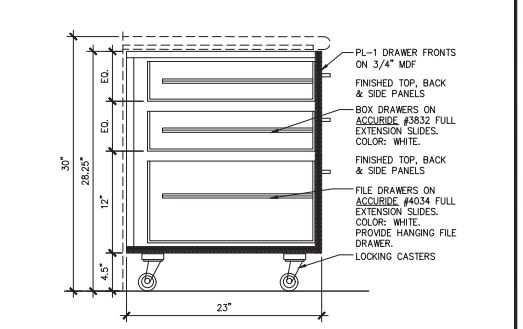
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SHEET
A7.3



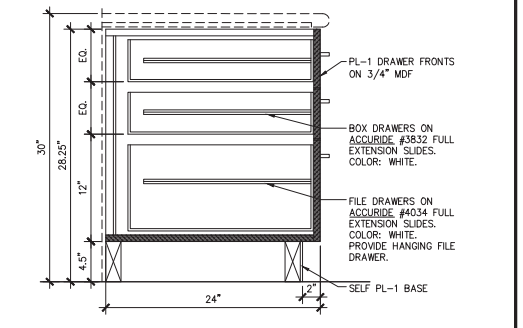
1/2" "U" REVEL CHANNEL
SCALE: N.T.S. ①



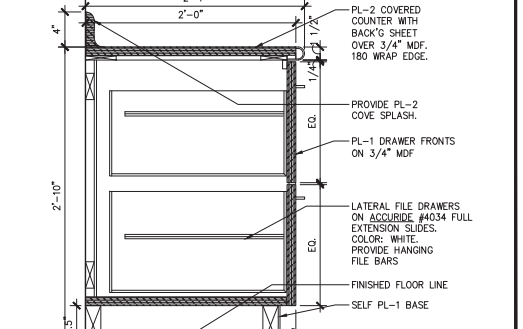
1/4" "U" REVEL CHANNEL
SCALE: N.T.S. ②



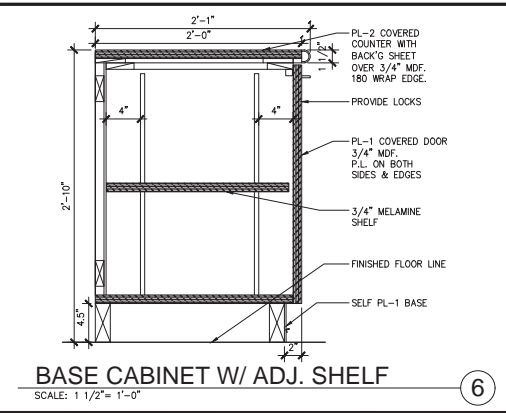
2 BOX / 1 FILE MOBILE PEDESTAL
SCALE: 1 1/2" = 1'-0" ③



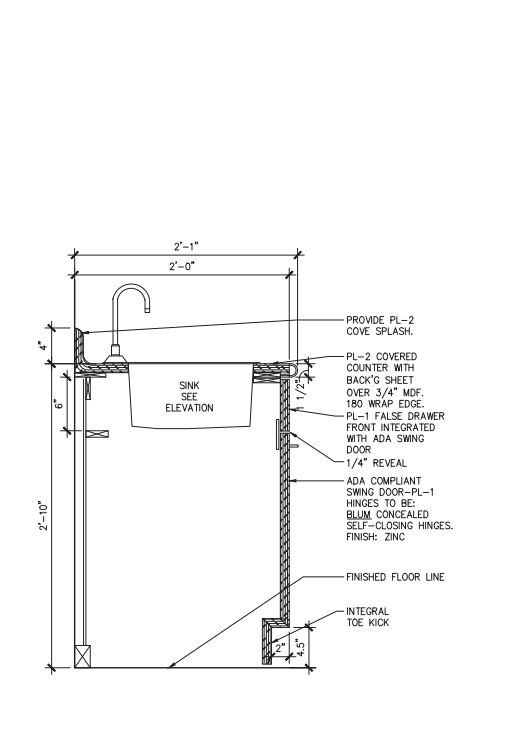
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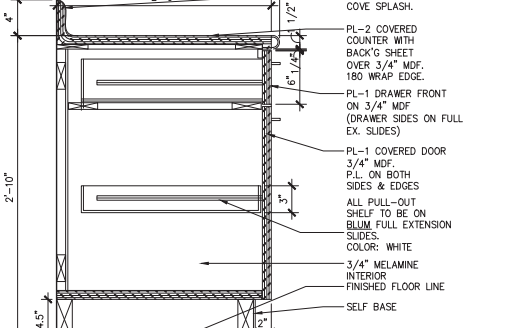
BASE CAB. W/ LATERAL FILES
SCALE: 1 1/2" = 1'-0" ⑤



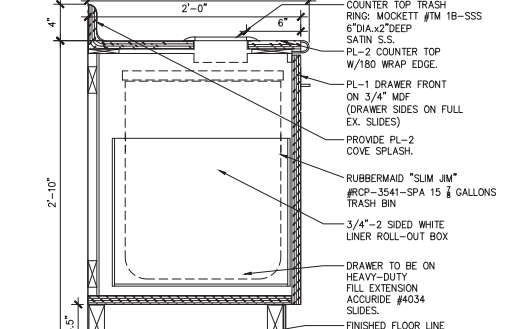
BASE CABINET W/ ADJ. SHELF
SCALE: 1 1/2" = 1'-0" ⑥



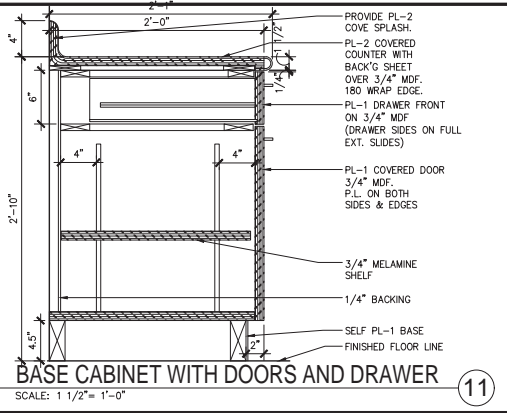
BASE CABINET W/ HAND SINK
SCALE: 1 1/2" = 1'-0" ⑧



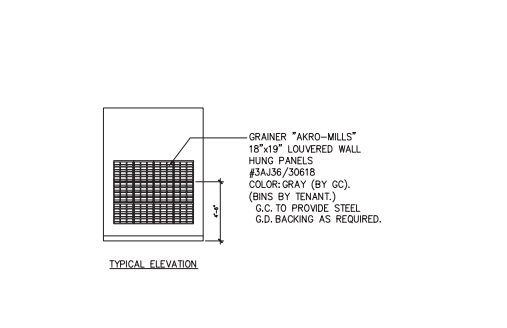
BASE CABINET W/ PULL-OUT SHELF
SCALE: 1 1/2" = 1'-0" ⑨



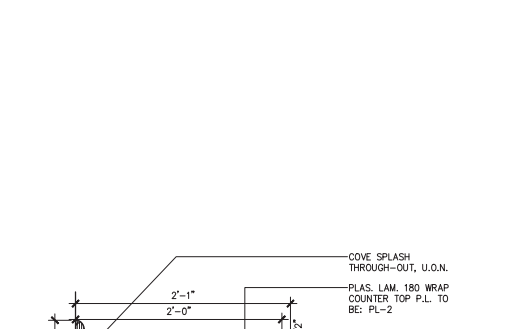
BASE CABINET W/ TRASH RING
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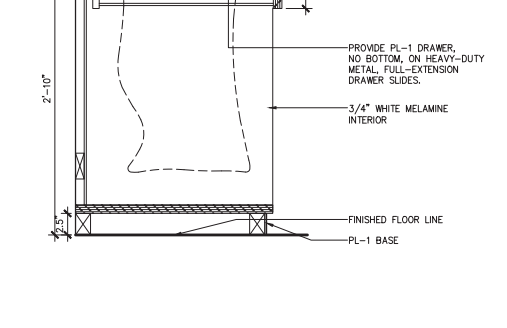
BASE CABINET WITH DOORS AND DRAWER
SCALE: 1 1/2" = 1'-0" ⑪



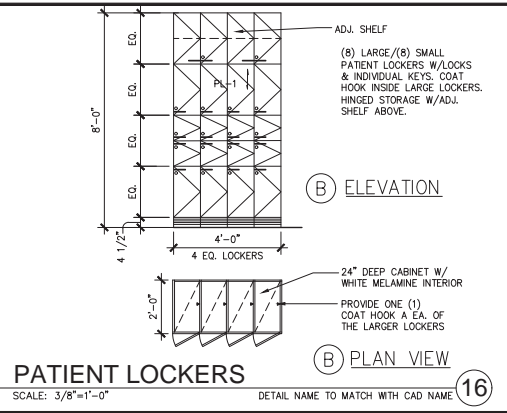
BIN STORAGE WALL PANELS
SCALE: 3/8" = 1'-0" ⑫



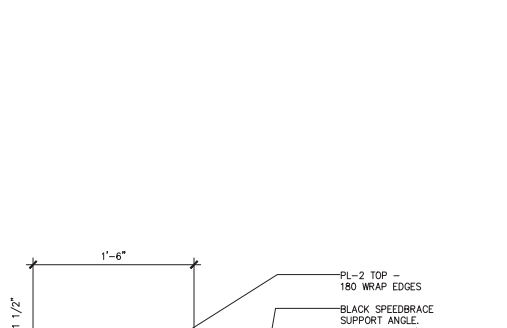
HEATING PAD DRYING CAB. STATION
SCALE: 1-1/2" = 1'-0" ⑭



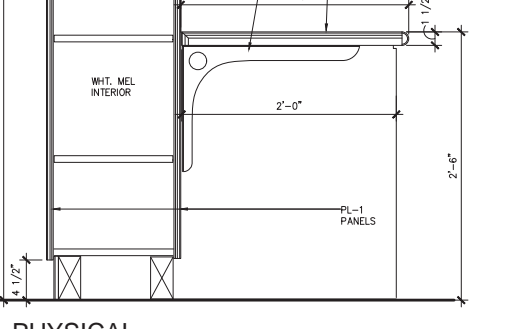
MOBILE FORM PEDESTAL
SCALE: 1 1/2" = 1'-0" ⑮



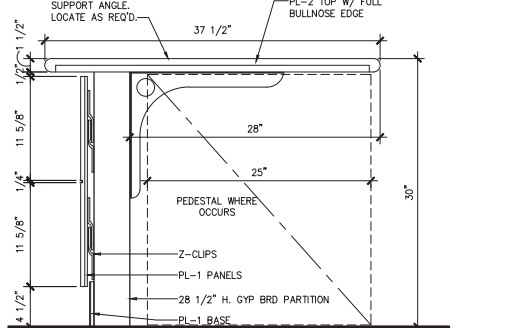
PATIENT LOCKERS (B) ELEVATION
SCALE: 3/8" = 1'-0" ⑰



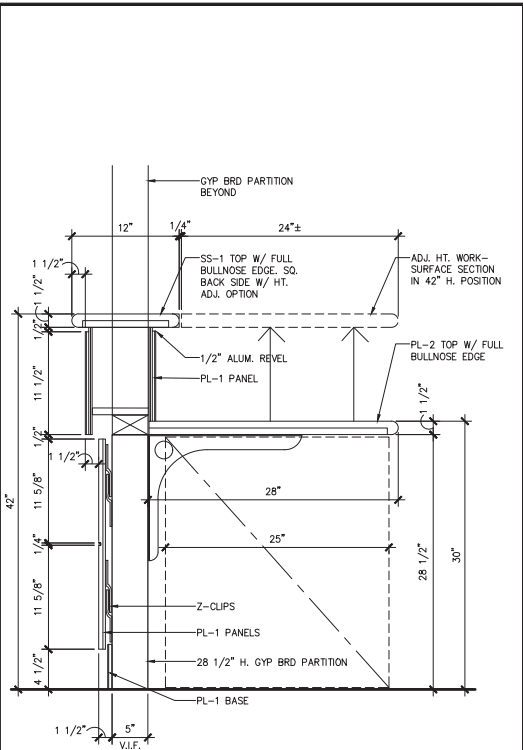
PATIENT LOCKERS (B) PLAN VIEW
SCALE: 3/8" = 1'-0" ⑱



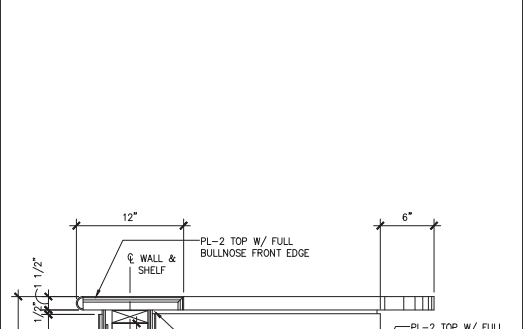
PHYSICAL THERAPY HAND SINK STATION
SCALE: 1-1/2" = 1'-0" ⑲



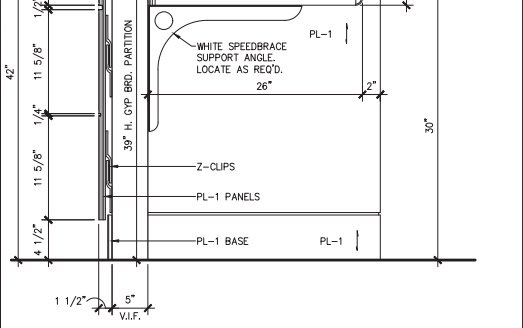
SECTION 23
SCALE: 1-1/2" = 1'-0" ⑳



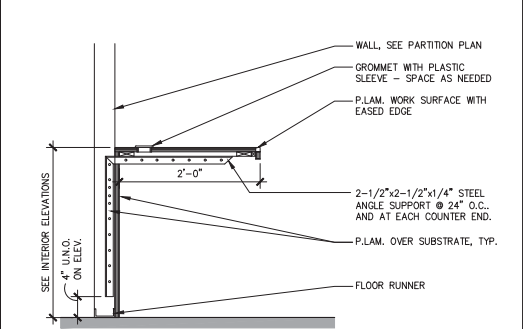
SECTION 22
SCALE: 1-1/2" = 1'-0" ㉒



SECTION 24
SCALE: 1-1/2" = 1'-0" ㉔



SECTION 25
SCALE: 1" = 1'-0" ㉕



COUNTERTOP SUPPORT
SCALE: 1" = 1'-0" ㉖

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MECHANICAL GENERAL NOTES

- ALL APPLICABLE CODES, LAWS AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK ARE HEREBY INCORPORATED INTO AND MADE A PART OF THESE SPECIFICATIONS, AND THEIR PROVISIONS SHALL BE CARRIED OUT BY THE CONTRACTOR WHO SHALL INFORM THE OWNER, PRIOR TO SUBMITTING A PROPOSAL, OF ANY WORK OR MATERIALS WHICH VIOLATE ANY OF THE ABOVE LAWS AND REGULATIONS. ANY WORK DONE BY THE CONTRACTOR CAUSING SUCH VIOLATION SHALL BE CORRECTED BY THE CONTRACTOR.
- THIS CONTRACTOR SHALL PERFORM ALL CONTROLLED INSPECTIONS IN ACCORDANCE WITH STATE AND LOCAL CODES. SECURE ALL REQUIRED PERMITS AND APPROVALS AND TRANSMIT SAME TO OWNER. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES.
- ALL DUCTWORK AND PIPING IS SHOWN DIAGRAMMATICALLY AND DOES NOT SHOW ALL OFFSETS, DROPS AND RISES OF RUNS. THE CONTRACTOR SHALL ALLOW IN HIS PRICES FOR ROUTING OF DUCTWORK AND PIPING TO AVOID OBSTRUCTIONS. EXACT LOCATIONS SUBJECT TO APPROVAL OF ENGINEER.
- SUPPORT ALL DUCTWORK AND PIPING FROM BUILDING STRUCTURE AND/OR FRAMING IN AN APPROVED MANNER, WHERE OVERHEAD CONSTRUCTION DOES NOT PERMIT FASTENING OF SUPPORTS FOR EQUIPMENT, FURNISH ADDITIONAL STEEL FRAMING.
- INSTALL WORK SO AS TO BE READILY ACCESSIBLE FOR OPERATION, MAINTENANCE AND REPAIR. MINOR DEVIATIONS FROM DRAWINGS MAY BE MADE TO ACCOMPLISH THIS, BUT CHANGES WHICH INVOLVE EXTRA COST SHALL NOT BE MADE WITHOUT APPROVAL.
- REMOVAL AND RELOCATION OF CERTAIN EXISTING WORK WILL BE NECESSARY FOR THE PERFORMANCE OF THE GENERAL WORK. ALL EXISTING CONDITIONS CANNOT BE COMPLETELY DETAILED ON THE DRAWINGS. THE CONTRACTOR SHALL SURVEY THE SITE AND INCLUDE ALL CHANGES IN MAKING UP WORK PROPOSAL.
- PLAN INSTALLATION OF NEW WORK AND CONNECTIONS TO EXISTING WORK TO INSURE MINIMUM INTERFERENCE WITH REGULAR OPERATION OF EXISTING FACILITIES. ALL SYSTEM SHUTDOWNS AFFECTING OTHER AREAS SHALL BE COORDINATED WITH BUILDING OWNER. INSTALL ISOLATION VALVES AT POINT OF CONNECTION TO THE EXISTING PIPING. PROVIDE TEMPORARY DUCT CAPS AND/OR CONNECTIONS TO MINIMIZE SHUTDOWN TIME. ALL SHUT DOWNS SHALL BE ON OFF HOURS & INCLUDED IN BID.
- CONNECT NEW WORK TO EXISTING WORK IN NEAT AND APPROVED MANNER. RESTORE EXISTING WORK DISTURBED WHILE INSTALLING NEW WORK TO ACCEPTABLE CONDITION AS DETERMINED BY ENGINEER.
- DISCONNECT, REMOVE AND/OR RELOCATE EXISTING MATERIAL, EQUIPMENT, AND OTHER WORK AS NOTED OR REQUIRED FOR PROPER INSTALLATION OF NEW SYSTEM.
- THE CONTRACTOR SHALL KEEP ALL EQUIPMENT AND MATERIALS, AND ALL PARTS OF THE BUILDING, EXTERIOR SPACES AND ADJACENT STREETS, SIDEWALKS AND PAVEMENTS, FREE FROM MATERIAL AND DEBRIS RESULTING FROM THE EXECUTION OF THIS WORK. EXCESS MATERIALS WILL NOT BE PERMITTED TO ACCUMULATE EITHER ON THE INTERIOR OR THE EXTERIOR. ALL DEMOLITION MATERIALS MUST BE REMOVED FROM THE BUILDING DAILY.
- SEAL OPENINGS AROUND DUCTS AND PIPING THROUGH PARTITIONS, WALLS AND FLOORS (NOT IN SHAFTS) WITH MINERAL WOOL OR OTHER NON-COMBUSTIBLE MATERIAL. SEE SPECIFICATIONS.
- ALL EXISTING MATERIAL AND EQUIPMENT TO BE REMOVED UNDER THIS CONTRACT WILL REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF BY THIS CONTRACTOR AS DIRECTED BY THE OWNER.
- THE WORK IN THE BUILDING SHALL BE DONE WHEN AND AS DIRECTED, AND IN A MANNER SATISFACTORY TO THE OWNER. THE WORK SHALL BE PERFORMED SO AS TO CAUSE THE LEAST POSSIBLE INCONVENIENCE AND DISTURBANCE TO THE PRESENT OCCUPANTS.
- INCLUDE ALL CUTTING AND PATCHING OF EXISTING FLOORS, WALLS, PARTITIONS AND OTHER MATERIALS IN THE EXISTING BUILDING. THE CONTRACTOR SHALL RESTORE THESE AREAS TO ORIGINAL CONDITION.
- ALL MATERIAL AND EQUIPMENT TO BE NEW UNLESS OTHERWISE NOTED.
- SUBMISSION OF A PROPOSAL SHALL BE CONSTRUED AS EVIDENCE THAT A CAREFUL EXAMINATION OF THE PORTIONS OF THE EXISTING BUILDING, EQUIPMENT, ETC. WHICH AFFECT THIS WORK AND THE ACCESS TO SUCH SPACES, HAS BEEN MADE AND THAT THE CONTRACTOR IS FAMILIAR WITH EXISTING CONDITIONS AND DIFFICULTIES THAT WILL AFFECT THE EXECUTION OF THE WORK. LATER CLAIMS SHALL NOT BE MADE FOR LABOR, EQUIPMENT OR MATERIALS REQUIRED BECAUSE OF DIFFICULTIES ENCOUNTERED WHICH COULD HAVE BEEN FORESEEN DURING SUCH AN EXAMINATION.
- PROVIDE ALL REQUIRED LABOR, MATERIALS, EQUIPMENT, AND SERVICES NECESSARY FOR A COMPLETE AND SAFE INSTALLATION OF HVAC IN FULL CONFORMITY WITH REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION, ALL AS INDICATED ON DRAWINGS AND/OR HEREIN SPECIFIED FOR THE SYSTEMS INCLUDED. WORK SHALL BE INSTALLED IN A NEAT, WORKMANLIKE MANNER, INCLUDE ALL COSTS FOR PERMITS, LICENSES, CERTIFICATES, FEES AND INSPECTIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION.
- THE CONTRACTOR SHALL FURNISH A WRITTEN GUARANTEE TO REPLACE OR REPAIR PROMPTLY AND ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED FOR ANY WORKMANSHIP AND EQUIPMENT IN WHICH DEFECTS DEVELOP WITHIN ONE YEAR FROM THE DATE OF ACCEPTANCE BY OWNER. THIS WORK SHALL BE DONE AS DIRECTED BY THE OWNER. THIS GUARANTEE SHALL ALSO PROVIDE THAT WHERE DEFECTS OCCUR, THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR ALL EXPENSES INCURRED IN REPAIRING AND REPLACING WORK OF OTHER TRADES AFFECTED BY DEFECTS, REPAIRS OR REPLACEMENTS IN EQUIPMENT SUPPLIED BY THE CONTRACTOR.
- EXISTING THERMAL INSULATION SHALL BE MAINTAINED AND PROTECT, OR REPLACED UNDER THIS CONTRACT; AND THAT EXISTING MISSING OR DAMAGED THERMAL INSULATION SHALL BE INSTALLED/REPLACED. THIS INCLUDES EXISTING CONDITIONS OR CONDITIONS CREATED BY THE PROJECT MODIFICATIONS.

MECHANICAL ABBREVIATIONS

AC	AIR CONDITIONING UNIT
AD	AIR CONDITIONING UNIT ACCESS DOOR
AL	ACOUSTICAL LINING
AP	ACCESS PANEL
BTU	BRITISH THERMAL UNIT
BTU/H	BTU PER HOUR
CAP	CAPACITY
CD	CEILING DIFFUSER
CFM	CUBIC FEET PER MINUTE
CFSD	COMBINATION FIRE/SMOKE DAMPER W/ AD
CG	CEILING GIRLLE
CLG	CEILING
ERN	EXISTING DEVICE/EQUIPMENT TO REMAIN
EF	EXHAUST FAN
EG	EXHAUST GRILLE
ESP	EXTERNAL STATIC PRESSURE
FC	FLEXIBLE CONNECTION
FCU	FAN COIL UNIT
FSD	FIRE/SMOKE DAMPER
MBH	THOUSAND BTU PER HR
MCA	MINIMUM C.T. CAPACITY
MD	MOTORIZED DAMPER
MER	MECHANICAL EQUIPMENT ROOM
MES/MOP	MAXIMUM FUSE SIZE
MHP	MOTOR HORSEPOWER
O/A	OUTSIDE AIR
OAF	OUTSIDE AIR FAN
OAI	OUTSIDE AIR INTAKE
OBD	OPPOSED BLADE DAMPER
RA	RETURN AIR
RF	RETURN FAN
RM	ROOM
RPM	REVOLUTIONS PER MINUTE
RX	RELOCATED POSITION OF EXISTING EQUIPMENT
SD	SMOKE DETECTOR
TD	TRANSFER DUCT
V	VOLTS
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
WMS	WIRE MESH SCREEN
WSA	WIRE SIZE AMPS
X	EXISTING DEVICE/EQUIPMENT TO BE REMOVED
XA	EXHAUST AIR
XR	EXISTING EQUIPMENT TO BE RELOCATED

DUCTWORK SYMBOLS

SINGLE LINE	DOUBLE LINE	DESCRIPTION
		FLEXIBLE CONNECTION
		VANED ELBOW (PROVIDE ALL SQUARE OR RECTANGULAR ELBOWS WITH VANES. EVEN IF SYMBOL IS MISSING)
		VANED ELBOW (SHORT RAD.)
		STANDARD RADIUS ELBOW
		NEW DUCT (WIDTH x DEPTH)
		EXISTING DUCT TO REMAIN
		EXISTING DUCT TO BE REMOVED
		FLEXIBLE DUCTWORK (INSULATED)
		DUCT WITH SOUND LINING
		DUCTWORK WITH EXTERNAL INSULATION WRAP
		MANUAL VOLUME DAMPER
		FIRE DAMPER
		BACK DRAFT DAMPER
		COMBINATION FIRE/SMOKE DAMPER
		MOTORIZED DAMPER
		SMOKE DETECTOR
		AUTOMATIC DAMPER (ELECTRIC)
		LEAK DETECTOR
		FLOW SWITCH
		DIFFERENTIAL PRESSURE GAUGE
		SUPPLY DUCT (UP & DOWN)
		EXHAUST DUCT (UP & DOWN)
		CONNECT NEW DUCT TO EXISTING DUCT
		INCLINED RISE, IN DIRECTION OF AIR FLOW
		INCLINED DROP, IN DIRECTION OF AIR FLOW
		LIMIT OF DEMOLITION
		VERTICAL DUCT DROP
		VERTICAL DUCT RISE

PIPING SYMBOLS

SYMBOL	DESCRIPTION
	NEW PIPE
	EXISTING PIPE
	EXISTING PIPE TO BE REMOVED
	DIRECTION OF PIPE PITCH (DOWN)
	DIRECTION OF FLOW
	REDUCER OR INCREASER
	ECCENTRIC REDUCER
	PIPE DOWN
	PIPE UP
	TOP CONNECTION
	BOTTOM CONNECTION
	PIPE DROP
	PIPE RISE
	UNION
	FLANGED END
	DEAD END - SCREWED CAP
	DEAD END - WELDED CAP
	AUTOMATIC AIR VENT
	MANUAL AIR VENT
	STRAINER
	THERMOMETER WELL
	PRESSURE GAGE WITH NEEDLE VALVE
	THERMOMETER
	GATE VALVE
	THERMAL EXPANSION VALVE
	SOLENOID VALVE
	FLOW CONTROL VALVE
	DRAIN VALVE
	GLOBE VALVE
	CHECK VALVE
	SILENT CHECK VALVE
	BALL VALVE
	CIRCUIT SETTER
	2-WAY CONTROL VALVE
	PLUG VALVE
	MOTORIZED VALVE
	THREE-WAY CONTROL VALVE
	PRESSURE REDUCING VALVE
	SAFETY OR PRESSURE RELIEF VALVE
	BUTTERFLY VALVE
	PITCH UP IN DIRECTION OF FLOW
	PITCH DOWN IN DIRECTION OF FLOW
	CALIBRATED BALANCING VALVES (CIRCUIT SETTERS)

MECHANICAL DRAWING LIST

DRAWING NUMBER	DRAWING NAME
M0.1	MECHANICAL - SYMBOLS, NOTES, AND ABBREVIATIONS
M1.1	MECHANICAL - SCHEDULES
M2.1	MECHANICAL - SPECIFICATIONS
M2.2	MECHANICAL - SPECIFICATIONS
M4.1	MECHANICAL - FIRST FLOOR NEW WORK PLAN
M7.1	MECHANICAL - DETAILS
M8.1	MECHANICAL - TITLE 24 DOCUMENTATION

MECHANICAL SYMBOLS

SYMBOL	DESCRIPTION
	REVISION CLOUD
	REVISION NUMBER INDICATOR
	POINT OF CONNECTION BETWEEN NEW AND EXISTING WORK
	LIMIT OF DEMOLITION
	THERMOSTAT
	SMOKE DETECTOR SENSOR
	CO2 SENSOR
	HUMIDITY SENSOR
	SWITCH
	VIBRATION ISOLATION, IN HANGER
	DUCT UNDER PRESSURE (SUPPLY AIR OR FAN DISCHARGE)
	DUCT UNDER NEGATIVE PRESSURE (RETURN, EXHAUST OR OUTSIDE AIR)
	SECTION DESIGNATION
	DRAWING REFERENCE NUMBER
	ENLARGED PLAN DESIGNATION
	DRAWING REFERENCE NUMBER

DIFFUSER SYMBOLS

SYMBOL	DESCRIPTION
	SUPPLY DIFFUSER
	RETURN/EXHAUST DIFFUSER
	3-WAY DIFFUSER
	2-WAY DIFFUSER
	2-WAY CORNER DIFFUSER
	1-WAY DIFFUSER
	LINEAR DIFFUSER
	SIDEWALL DIFFUSER
	TYPE A SUPPLY REGISTER, 150 CFM

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MECHANICAL - SYMBOLS, NOTES & ABBREVIATIONS			
DATE	REVISIONS	DATE	REVISIONS
12/24/2017	ISSUE FOR PLAN CHECK		

PA / PM: JDS
DRAWN BY: EM
JOB NO.: SNR16-6088-00



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OAKLAND, CA

DIFFUSER, REGISTER, AND GRILLE SCHEDULE											
DESIGNATION	TYPE	CFM RANGE	FACE SIZE	NECK SIZE	PLENUM SIZE	HC LEVEL (MAX)	PRESSURE DROP	THROW FT. (50 FPM)	MANUFACTURER	MODEL	NOTES
B	PERFORATED DIFFUSER	0-95	24x24	6"Ø	-	-	0.04	6'	TITUS	PAS	1,2,3
		100-200		8"Ø		21	0.07	10'			
		200-375		10"Ø		29	0.09	13'			
E	PERFORATED DIFFUSER	0-100	12x12	6"Ø	-	21	0.1	-	TITUS	PAR	1,2,3
		111-240		8"Ø							
F	PERFORATED RETURN/EXHAUST GRILLE	241-360	24x24	10"Ø	-	17	0.043	-	TITUS	PAR	1,2,6
		361-500		12"Ø		21	0.065				
		501-700		14"Ø		29	0.108				
		701-830		16"Ø							
		830-1000		18"Ø							

NOTES:
1 - SEE SPECIFICATIONS FOR MORE DETAILS.
2 - FINISHES, COLORS AND BORDER TYPES SHALL BE AS APPROVED BY ARCHITECT. COORDINATE BORDER TYPE WITH CEILING CONSTRUCTION.
3 - VOLUME DAMPERS LOCATED IN INACCESSIBLE CEILING SHALL BE ADJUSTABLE VIA CHORDS RATHER THAN FACE OF DIFFUSER.
4 - PROVIDE LINEAR DIFFUSER WITH INSULATED PLENUM BY DIFFUSER MANUFACTURER AND END CAPS FOR TERMINATION OF LINEAR DIFFUSERS AT OR NEAR WALL.
5 - LINEAR DIFFUSER PATTERN CONTROLLERS SHALL BE FIELD ADJUSTED TO PROVIDE DRAFT FREE CONDITIONS.
6 - PROVIDE RETURN GRILLES WITH MANUFACTURERS STANDARD LIGHT SHIELD.

TERMINAL UNIT SCHEDULE											
UNIT VAV-	SYSTEM	LOCATION	CFM COOLING		CFM HEATING		COLD DUCT ROUND INLET SIZE IN	HOT DUCT ROUND INLET SIZE IN	MAX PD IN WG	MODEL	NOTES
			MIN	MAX	MIN	MAX					
			VAV-1	MZ-1/DX-1	1ST FLOOR- PT STORAGE, PT AREA	225					
VAV-2	MZ-1/DX-1	1ST FLOOR- CHARTING STATION	100	600	0	180	8	6		TITUS PEDV	1,2,3
VAV-3	MZ-1/DX-1	1ST FLOOR- ORTHO EXAM 1-5	150	1000	0	300	10	6		TITUS PEDV	1,2,3
VAV-4	MZ-1/DX-1	1ST FLOOR- PATIENT RESTROOM, STAFF RESTROOM, BREAKROOM, STORAGE, ORTHO EXAM 6, OFFICE, TREATMENT 1-2	400	1000	0	400	10	8		TITUS PEDV	1,2,3
VAV-5	MZ-1/DX-1	1ST FLOOR- WAITING ROOM, RECEPTION, FILE ROOM, PATIENT RESTROOM	300	1250	0	375	10	8		TITUS PEDV	1,2,3
VAV-6	DX-1	1ST FLOOR- CM OFFICE, BAT, AUDIO, CHECK OUT, EYE EXAM, EXAM 4-6	325	1200	-	-	10	-		TITUS PESV	3
VAV-7	DX-1	1ST FLOOR- ELEC/IT/TELCOM	50	200	-	-	6	-		TITUS PESV	3
VAV-8	DX-1	1ST FLOOR- PROCEDURE	50	200	-	-	6	-		TITUS PESV	3
VAV-9	MZ-1/DX-1	1ST FLOOR- LAB, RESTROOMS	60	180	0	60	6	4		TITUS PEDV	1,2,3
VAV-10	MZ-1/DX-1	1ST FLOOR- X-RAY, EXAM 1-3	150	1000	0	300	10	6		TITUS PEDV	1,2,3

1 - MIXING BOX SHALL MODULATE COLD DUCT DAMPER BETWEEN MAXIMUM AND MINIMUM SET POINTS WITH HOT DUCT CLOSED TO MAINTAIN ROOM TEMPERATURE SET POINT. IF ROOM TEMPERATURE IS BELOW HEATING SET POINT THE HOT DUCT SHALL MODULATE WITH THE COLD DUCT AT MINIMUM CFM SET POINT TO ACHIEVE ROOM HEATING TEMPERATURE SET POINT.
2 - PROVIDE MIXING BAFFLE
3 - PROVIDE STERILOC LINER

FAN SCHEDULE													
DESIGNATION	SERVES	TYPE	FAN DATA				FAN MOTOR DATA				MANUFACTURER	MODEL NUMBER	NOTES
			DRIVE TYPE	CFM	RPM	SONES	ESP	FAN HP	BRAKE HP	V/PH/Hz			
EF-1	RESTROOMS	INLINE	DIRECT	500	1949	17	1	3/4	0.31	277/1 /60	GREENHECK	SQ-98-VG	1
EF-2	ELECTRICAL/IT	INLINE	DIRECT	200	1477	4	0.2	1/4	0.02	120/1 /60	GREENHECK	SQ-60-VG	2
EF-3	WAITING	INLINE	DIRECT	1025	1498	9	1	3/4	0.31	277/1 /60	GREENHECK	SQ-120-VG	3

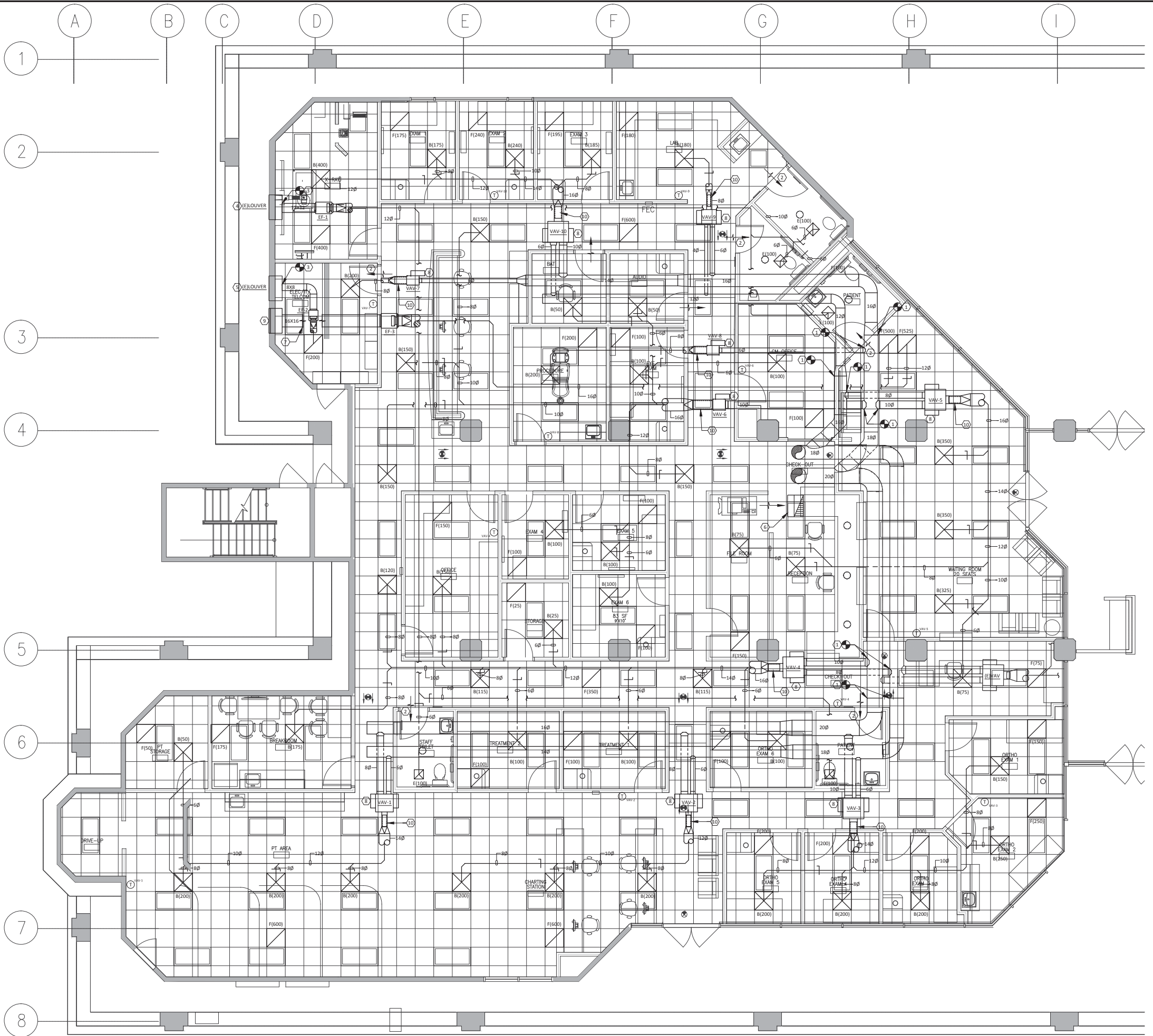
NOTES:
1 - INTERLOCK EXHAUST FAN OPERATION WITH RESTROOM LIGHTING SYSTEM. REFER TO ELECTRICAL DRAWINGS.
2 - RUN FAN CONTINUOUSLY.
3 - MODULATE FAN OPERATION WITH VAV-5 SO WHEN VAV-5 IS AT MINIMUM SET POINT EXHAUST FAN SPEED IS AT MINIMUM.

MECHANICAL - SCHEDULES		
DATE	ISSUE FOR PLAN CHECK	REMARKS
12.04.2017		

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- GENERAL NOTES**
- FOR GENERAL NOTES & SYMBOL LIST, SEE DRAWING M-001.
 - COORDINATE EXACT DIFFUSER LOCATION WITH FINAL ARCHITECTURAL CEILING PLANS.
 - FLEX DUCT SHALL NOT EXCEED A LENGTH OF 5 FEET.
 - CONTRACTOR TO INSULATE ALL SUPPLY AND RETURN AIR DUCTWORK PER TITLE 24 REQUIREMENTS.
 - BALANCE SYSTEM WITHIN AREA OF WORK.
 - COORDINATE THE ELEVATIONS OF THERMOSTATS, NEW AND RELOCATED, WITH THE ARCHITECTURAL PLANS.
 - CONTRACTOR SHALL PERFORM A LEAKAGE TEST ON ALL DUCTWORK WITHIN AREA OF WORK. PATCH AND REPAIR ANY AND ALL LEAKS.
 - CONTRACTOR TO CONFIRM THAT AC UNIT DUCT SMOKE DETECTORS AND CO2 SENSORS WERE INSTALLED AS PART OF THE ORIGINAL UNIT INSTALLATION.

- KEYED NOTES**
- CONNECT TO EXISTING HOT AND COLD DUCTS AS SHOWN.
 - PROVIDE DOOR UNDER CUT FOR MAKE-UP/TRANSFER AIR.
 - CONNECT TO EXISTING PLENUM.
 - CONTRACTOR TO MEASURE EXISTING LOUVER NET FREE AREA. IF EXISTING LOUVER NET FREE AREA IS LESS THAN 1 FEET SQUARE, CONTRACTOR SHALL INCREASE LOUVER SIZE AS NECESSARY TO ACHIEVE 1 FEET SQUARE OF NET FREE AREA.
 - CONTRACTOR TO MEASURE EXISTING LOUVER NET FREE AREA. IF EXISTING LOUVER NET FREE AREA IS LESS THAN 0.5 FEET SQUARE, CONTRACTOR SHALL INCREASE LOUVER SIZE AS NECESSARY TO ACHIEVE 0.5 FEET SQUARE OF NET FREE AREA.
 - EXISTING RETURN AIR DUCT.
 - RUN DUCT ABOVE EF-2 AND PROVIDE MANUFACTURER RECOMMENDED MAINTENANCE ACCESS CLEARANCE FOR FAN.
 - CONTRACTOR TO LOCATE EXISTING PNEUMATIC CONTROL SYSTEM MANIFOLD ABOVE CEILING AND PROVIDE NEW CONTROL TUBING TO THERMOSTATS.
 - CONTRACTOR TO PROVIDE NEW LOUVER WITH A NET FREE AREA OF 2 FEET SQUARE. LOUVER FINISH AND ELEVATION SHALL BE SIMILAR TO ADJACENT EXISTING LOUVERS.
 - PROVIDE MINIMUM 3 FEET OF INTERNALLY LINED DUCT AT ALL VAV DISCHARGE.

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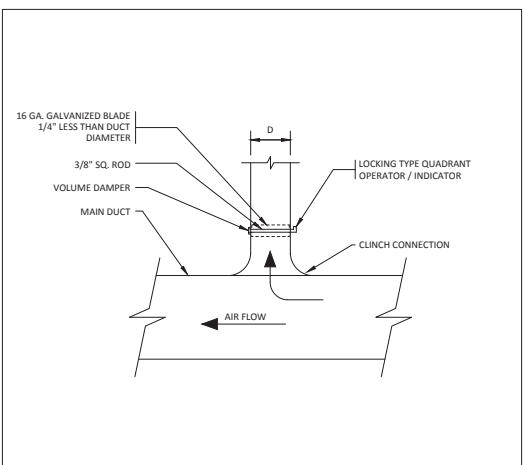
MECHANICAL - NEW WORK PLAN	
DATE	REMARKS
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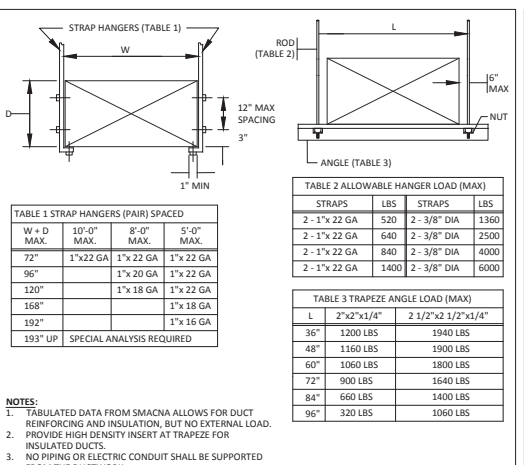
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M4.1

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

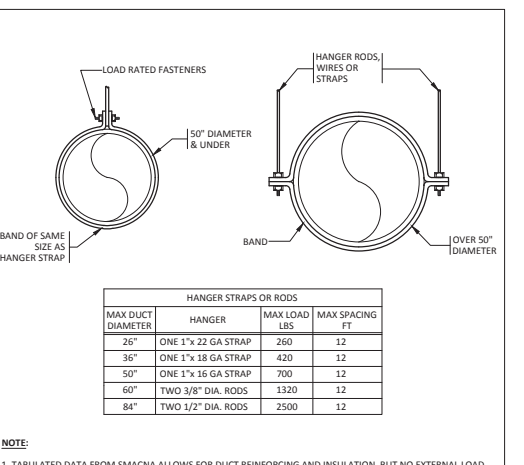




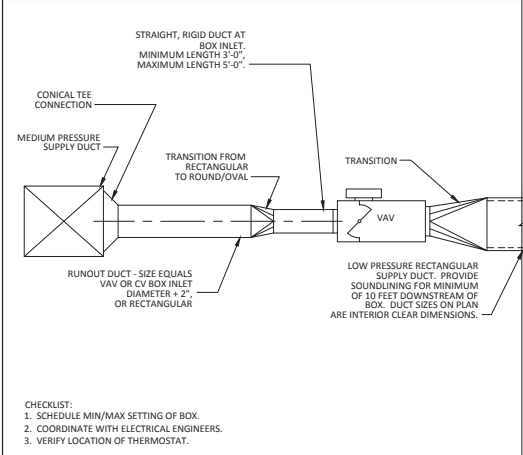
233113-9 **CIRCULAR BRANCH CONNECTION TO SINGLE AIR OUTLET** 5 NTS



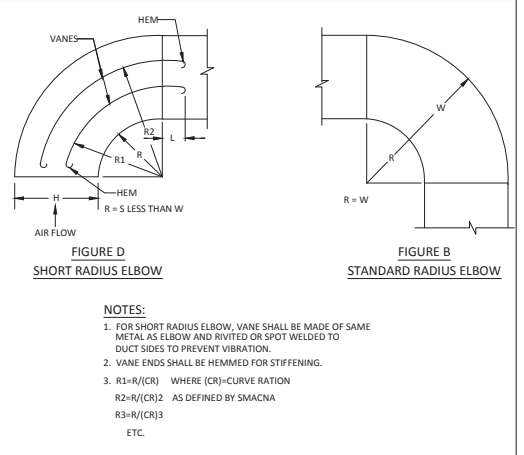
233113-1 **RECTANGULAR DUCT HANGERS** 3 NTS



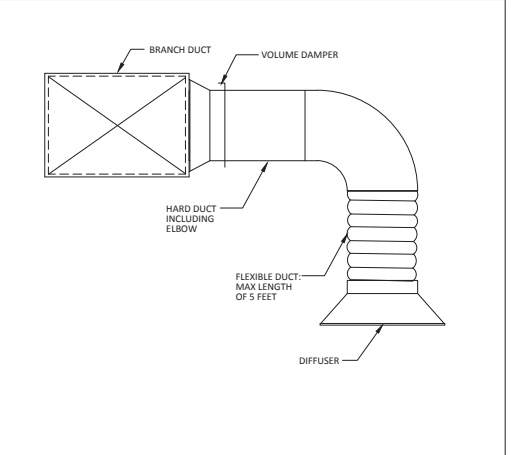
233113-2 **ROUND DUCT HANGERS** 1 NTS



233300 **TYPICAL TERMINAL UNIT DETAIL** NTS



233300 **RADIUS ELBOW** 4 NTS



233300 **TYPICAL FLEX DUCT DIFFUSER CONNECTION** 2 NTS

TABLE 1 STRAP HANGERS (PAIR) SPACED

W + D MAX.	10'-0" MAX.	8'-0" MAX.	5'-0" MAX.
72"	1"x22 GA	1"x22 GA	1"x22 GA
96"	1"x20 GA	1"x22 GA	1"x22 GA
120"	1"x18 GA	1"x22 GA	1"x22 GA
168"		1"x18 GA	1"x18 GA
192"		1"x16 GA	1"x16 GA
193" UP	SPECIAL ANALYSIS REQUIRED		

NOTES:
1. TABULATED DATA FROM SMACNA ALLOWS FOR DUCT REINFORCING AND INSULATION, BUT NO EXTERNAL LOAD.
2. PROVIDE HIGH DENSITY INSERT AT TRAPEZE FOR INSULATED DUCTS.
3. NO PIPING OR ELECTRIC CONDUIT SHALL BE SUPPORTED FROM THE DUCTWORK.

TABLE 2 ALLOWABLE HANGER LOAD (MAX)

STRAPS	LBS	STRAPS	LBS
2 - 1"x 22 GA	520	2 - 3/8" DIA	1360
2 - 1"x 22 GA	640	2 - 3/8" DIA	2500
2 - 1"x 22 GA	840	2 - 3/8" DIA	4000
2 - 1"x 22 GA	1400	2 - 3/8" DIA	6000

TABLE 3 TRAPEZE ANGLE LOAD (MAX)

L	2"x2"x1/4"	2 1/2"x2 1/2"x1/4"
36"	1200 LBS	1940 LBS
48"	1160 LBS	1900 LBS
60"	1060 LBS	1800 LBS
72"	900 LBS	1640 LBS
84"	660 LBS	1400 LBS
96"	320 LBS	1060 LBS

HANGER STRAPS OR RODS

MAX DUCT DIAMETER	HANGER	MAX LOAD LBS	MAX SPACING FT
26"	ONE 1"x 22 GA STRAP	260	12
36"	ONE 1"x 18 GA STRAP	420	12
50"	ONE 1"x 16 GA STRAP	700	12
60"	TWO 3/8" DIA. RODS	1320	12
84"	TWO 1/2" DIA. RODS	2500	12

NOTE:
1. TABULATED DATA FROM SMACNA ALLOWS FOR DUCT REINFORCING AND INSULATION, BUT NO EXTERNAL LOAD.

MECHANICAL DETAILS

DATE	REMARKS
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STATE OF CALIFORNIA
MECHANICAL VENTILATION AND REHEAT
 CERTIFICATE OF COMPLIANCE
 Mechanical Ventilation & Reheat
 Project Name: US HEALTH WORKS Date Prepared: 12/01/2017 Page of 8
 CALIFORNIA ENERGY COMMISSION NRCC-MCH-03-E

A. Mechanical Ventilation and Reheat
 In lieu of this compliance document, the required outdoor ventilation rates and airflow may be shown on the plans or the calculations can be presented in a spreadsheet. Mechanical Ventilation and Reheat worksheets available on the Energy Commission's website at: <http://www.energy.ca.gov/130624/2016standards/>.
 Note: In all of the calculations that compare a supply quantity to the REQD V.A. quantity, the actual percentage of outdoor air in the supply is ignored.
 Areas in buildings for which natural ventilation is used should be clearly designated. Specifications must require that building operating instructions include explanations of the natural ventilation system.

ROOM/SPACE/AREA	ACTUAL DESIGN FROM EQUIPMENT SCHEDULES, ETC.				AREA BASIS				OCCUPANCY BASIS				MINIMUM	VAV REHEATED PRIMARY AIR CFM			VAV DEADEND PRIMARY AIR CFM				
	01	02	03	04	05	06	07	08	09	10	11	12		13	14	15	16	17	18	19	20
VRV 1	650	225	225	No	0	745	0.15	112	4	33	90		225	PASS	225	225	PASS	N/A	N/A		
VRV 2	800	300	380	No	0	840	0.15	98	5	15	75		300	PASS	380	380	PASS	N/A	N/A		
VRV 3	1000	350	800	No	0	500	0.15	75	10	15	150		350	PASS	800	800	PASS	N/A	N/A		
VRV 4	1000	400	400	No	0	400	0.15	60	15	15	225		400	PASS	400	400	PASS	N/A	N/A		
VRV 5	1250	300	375	No	0	1185	0.15	178	20	15	300		300	PASS	375	375	PASS	N/A	N/A		
VRV 6	1200	325		No	0	5545	0.15	232	15	15	225		325	PASS			N/A	N/A	N/A		
VRV 7	200	30		No	0	133	0.15	23	0	13	0		30	PASS			N/A	N/A	N/A		
VRV 8	200	50		No	0	130	0.15	20	7	15	30		50	PASS			N/A	N/A	N/A		
VRV 9	180	60	60	No	0	285	0.15	43	3	15	45		60	PASS		60	PASS	N/A	N/A		
VRV 10	1000	150	300	No	0	485	0.15	78	8	15	120		150	PASS	300	300	PASS	N/A	N/A		

CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance May 2016

STATE OF CALIFORNIA
MECHANICAL VENTILATION AND REHEAT
 CERTIFICATE OF COMPLIANCE
 Mechanical Ventilation & Reheat
 Project Name: US HEALTH WORKS Date Prepared: 12/01/2017 Page of 8
 CALIFORNIA ENERGY COMMISSION NRCC-MCH-03-E

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I certify that this Certificate of Compliance documentation is accurate and complete.
 Documentation Author Name: ELIAS MELO Documentation Author Signature: *Elias Melo*
 Company: WB ENGINEERS + CONSULTANTS Signature Date: 12/01/2017
 Address: 5934 GIBRALTAR DRIVE SUITE 100 City/State/Zip: PLEASANTON, CA 94588
 Phone: 925-399-6687

RESPONSIBLE PERSON'S DECLARATION STATEMENT
 I certify the following under penalty of perjury under the laws of the State of California:
 1. The information provided on this Certificate of Compliance is true and correct.
 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.
 Responsible Designer Name: JOHN REYNA Responsible Designer Signature: *John Reyna*
 Company: WB ENGINEERS + CONSULTANTS Date Signed: 12/01/2017
 Address: 5934 GIBRALTAR DRIVE SUITE 100 License: M32522
 City/State/Zip: PLEASANTON, CA 94588 Phone: 925-399-6687

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MECHANICAL-TITLE 24 DOCUMENTATION	
DATE	REMARKS
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PA / PM: RED
 DRAWN BY: JDS
 JOB NO.: SNR16-6088-00

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PLUMBING GENERAL NOTES	
1.	PLUMBING CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING WET COLUMN RISERS AND BRANCH PIPING PRIOR TO ANY CONNECTIONS.
2.	NO WORK IS TO BE REMOVED WITHOUT APPROVAL OF BUILDING MANAGER.
3.	PORTION OF MAINS TO BE REMOVED OR ABANDONED AS A RESULT OF DEMOLITION WORK, BUT WHICH ARE REQUIRED TO REMAIN ACTIVE SHALL BE CUT AT CONVENIENT LOCATIONS, RE ROUTED AND RECONNECTED.
4.	THE CONTRACTOR SHALL NOTIFY THE BUILDING AT THE APPROPRIATE TIME OF THE PROJECTED DEMOLITION AND SCHEDULE SO THAT REMOVAL OR RELOCATION OF AFFECTED UTILITIES MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS.
5.	ALL EXISTING MATERIAL IN USABLE CONDITION WHICH IS TO BE REMOVED UNDER THIS CONTRACT, SHALL BE PROTECTED AND REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF BY THIS CONTRACTOR, AS DIRECTED BY THE BUILDING MANAGER.
6.	ARRANGE TO WORK CONTINUOUSLY, INCLUDING OVERTIME, IF REQUIRED TO ASSURE THAT SYSTEMS WILL BE SHUT DOWN ONLY DURING THE TIME OF ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTIONS TO THE EXISTING SYSTEMS.
7.	ALL SERVICE SHUT DOWN SHALL BE COORDINATED WITH THE BUILDING.
8.	MAINTAIN CONTINUITY OF ALL EXISTING DOMESTIC WATER AND SYSTEM WHICH SERVE ADJACENT AREA AND ARE NOT AFFECTED BY THIS CONTRACT.
9.	DURING DEMOLITION PHASE OF THIS PROJECT, CONTRACTOR SHOULD PROTECT EXISTING PIPING LOCATED IN THE STUD WALL.
10.	THE GENERAL CONTRACTOR SHALL OBTAIN PERMISSION FROM THE BUILDING MANAGER FOR INSTALLATION OF SANITARY PIPING AT THE CEILING OF THE FLOOR BELOW.
11.	REFER TO ARCHITECTURAL DRAWING FOR PLUMBING FIXTURE SCHEDULE AND / OR COORDINATE WITH THE BUILDING STANDARDS.
12.	ALL EXPOSED P-TRAP SHALL BE PROVIDED WITH TRAP WRAP.
13.	ALL SINKS SHALL BE EQUIPPED WITH THERMOSTATIC MIXING VALVES.
14.	ALL EXISTING PLUMBING ASSOCIATED PIPING SHALL BE PROTECTED DURING ALL PHASE OF CONSTRUCTION. PROVIDE LABELING ON ALL EXISTING PIPING COLD WATER, SANITARY AND VENT PIPING.
15.	STRUCTURAL ENGINEERING SHALL SPECIFY TYPES OF ANCHORS/METHODOLOGY TO USE FOR EVERY TYPE OF HANGING LOAD. (SANITARY PIPING, VENT PIPING, AND WATER PIPING.)
16.	STRUCTURAL ENGINEERING SHALL REVIEW SUBMITTALS/CUT SHEETS FOR ALL ANCHORS TO BE USED FOR THE PLUMBING PIPING INSTALLATION.
17.	THE BUILDING MANAGER SHALL REVIEW A REPORT FROM TENANT STRUCTURAL ENGINEER STATING THEY OBSERVED DURING SITE VISITS THAT ANCHORS WERE INSTALLED IN ACCORDANCE WITH THE SPECIFICATION AND SUBMITTALS.
18.	PROVIDE ADEQUATE SUPPORT ON ALL THE EXISTING HORIZONTAL HOT AND COLD WATER BRANCH PIPING LOCATED IN THE CORE TOILETS. (WHERE REQUIRED)
19.	PROVIDE CLAMP SUPPORT ON ALL EXISTING VERTICAL SANITARY, VENT, HOT AND COLD WATER PIPING TO MATCH EXISTING. (WHERE REQUIRED)
20.	PROVIDE INSULATION ON ALL EXISTING HOT AND COLD WATER PIPING LOCATED IN THE BATHROOMS. (WHERE REQUIRED)

PLUMBING NOTES	
1.	ALL WORK SHALL CONFORM TO THE BUILDING STANDARDS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MEET WITH THE BUILDING MANAGER IN ORDER TO BECOME TOTALLY FAMILIAR WITH BUILDING RULES. THERE SHALL BE NO DEVIATION FROM THE BUILDING STANDARDS WITHOUT PRIOR WRITTEN APPROVAL FROM THE BUILDING MANAGER IN ORDER TO BECOME TOTALLY FAMILIAR WITH BUILDING RULES. THERE SHALL BE NO DEVIATION FROM THE BUILDING STANDARDS WITHOUT PRIOR WRITTEN APPROVAL FROM THE BUILDING MANAGER.
2.	INSULATE ALL WATER SUPPLY LINES.
3.	WASTE LINES SHALL BE PROPERLY PITCHED TO PREVENT "TRAPPED" WATER. INSTALL WASTE LINE CONNECTIONS WITH LONG TERMOR 45° "Y" FITTINGS.
4.	RETAIN EXISTING CLEAN OUT CONNECTIONS AND PROVIDE CLEAN OUT CONNECTIONS AT NEW FITTINGS.
5.	WHEN CONNECTING NEW HOT AND COLD WATER LINES TO EXISTING RISERS, CONTRACTORS SHALL LEAVE A PLUGGED VALVED OUTLET FOR EACH, FOR FUTURE USE.
6.	ALL NEW HOT AND COLD WATER LINES AND FITTINGS MUST BE PROPERLY INSULATED AND COVERED.
7.	INDIVIDUAL SHUT-OFF VALVES MUST BE SUPPLIED AND INSTALLED FOR EACH NEW FIXTURE, INCLUDING WATER COOLERS.
8.	ALL NEW PIPES ARE TO BE SUPPORTED FROM SLAB OR STEEL BEAMS, NOT FROM EXISTING PIPES OR DUCT WORK.
9.	ALL WATER SHUTDOWNS ARE TO BE COORDINATED THROUGH THE BUILDING MANAGER. ALL WATER SHUTDOWNS ARE TO BE PERFORMED OR SUPERVISED BY BUILDING PERSONNEL, AT THE DISCRETION OF THE BUILDING MANAGER.
10.	PROVIDE FIRE & SMOKE STOPPING FOR ALL PLUMBING PIPING PASSING THROUGH RATED WALLS OR SMOKE PARTITIONS.
11.	PLUMBER SHALL BE RESPONSIBLE THAT ENTIRE INSTALLATION IS IN ACCORDANCE WITH LOCAL AND STATE CODES. CONTRACTOR TO OBTAIN AND PAY FOR ALL PERMITS, INSPECTION AND FEES, ETC.
12.	ALL VALVES ARE TO BE PROPERLY TAGGED.

ABBREVIATIONS			
AFF	ABOVE FINISHED FLOOR	SAN	SANITARY
CW	COLD WATER	TYP	TYPICAL
DN	DOWN	V	VENT
EX	EXISTING	VIF	VERIFY IN FIELD
FD	FLOOR DRAIN	VB	VACUUM BREAKER
HW	HOT WATER	VTR	VENT THROUGH ROOF
MER	MECHANICAL EQUIPMENT ROOM	VO	VALVED OUTLET
NTS	NOT TO SCALE	W	WASTE
PLBG	PLUMBING	WCO	WALL CLEANOUT
RD	ROOF DRAIN	WH	WALL HYDRANT
REV	REVISE, REVISION		

ELECTRICAL DRAWING LIST	
DRAWING #	DRAWING TITLE
P0.1	PLUMBING COVER SHEET
P1.1	PLUMBING SCHEDULES
P2.1	PLUMBING SPECIFICATIONS
P4.1	PLUMBING DOMESTIC WATER PLAN
P4.2	PLUMBING SANITARY AND WASTE PLAN
P6.1	PLUMBING RISERS
P7.1	PLUMBING DETAILS
P8.1	PLUMBING TITLE 24 DOCUMENTATION

PLUMBING SYMBOLS	
	NEW GATE VALVE
	EXISTING GATE VALVE
	NEW CHECK VALVE
	PIPE UP
	EXISTING CHECK VALVE
	BALL VALVE
	PIPE DROP
	BOTTOM CONNECTION
	TOP CONNECTION
	CAP
	CLEAN OUT
	PLUG OUTLET
	SHOCK ABSORBER
	VACUUM BREAKER
	UNION
	PRESSURE GAUGE
	THERMOMETER
	FLOOR DRAIN
	POINT OF NEW CONNECTION TO EXISTING WORK
	HOSE BIB

PIPING REPRESENTATIONS	
	NEW COLD WATER PIPING
	NEW HOT WATER PIPING
	NEW VENT PIPING
	NEW SANITARY OR STORM WATER PIPING BELOW GROUND
	EXISTING COLD WATER PIPING TO REMAIN
	EXISTING HOT WATER PIPING TO REMAIN
	EXISTING VENT PIPING TO REMAIN
	PIPING FLOW DIRECTION

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PLUMBING FIXTURE SCHEDULE												
DESIGNATION	DESCRIPTION	MANUFACTURER	MODEL NUMBER	SANITARY WASTE	INDIRECT SANITARY	GREASE	VENT	COLD WATER	FILTERED WATER	HOT WATER	GAS	NOTES
CM-1	COFFEE MAKER	SEE ARCHITECTURAL DRAWINGS	SEE ARCHITECTURAL DRAWINGS	-	-	-	-	1/4"	-	-	-	
GD-1	GARBAGE DISPOSAL	INSINKERATOR	BADGER 5	-	-	-	-	-	-	-	-	
LAV-1	LAVATORY	AMERICAN STANDARD	COMRADE 0124.024	1-1/2"	-	-	1-1/2"	1/2"	-	1/2"	-	
REFR-1	REFRIGERATOR	SEE ARCHITECTURAL DRAWINGS	SEE ARCHITECTURAL DRAWINGS	-	-	-	-	1/4"	-	-	-	
SK-1	SINK	ELKAY	LRAD19186SPD	1-1/2"	-	-	1-1/2"	1/2"	-	1/2"	-	19"x18"x6-1/2" SINGLE BOWL TOP MOUNT
SK-2	SINK	ELKAY	LRAD19186SPD	1-1/2"	-	-	1-1/2"	1/2"	-	1/2"	-	19"x18"x6-1/2" SINGLE BOWL TOP MOUNT
UR-1	URINAL	SEE ARCHITECTURAL DRAWINGS	SEE ARCHITECTURAL DRAWINGS	2"	-	-	1-1/2"	-	-	-	-	WATERLESS URINAL
WC-1	WATER CLOSET	AMERICAN STANDARD	3043.102 MADERA	3"	-	-	1-1/2"	1-1/2"	-	-	-	1.6 GALLON PER FLUSH
WC-2	WATER CLOSET	AMERICAN STANDARD	3043.102 MADERA	3"	-	-	1-1/2"	1-1/2"	-	-	-	1.6 GALLON PER FLUSH

ALL PLUMBING FIXTURES TO BE SUPPLIED AND INSTALLED IN STRICT ACCORDANCE WITH USHW'S SPECIFICATIONS.

PLUMBING ACCESSORY SCHEDULE				
DESIGNATION	DESCRIPTION	MANUFACTURER	MODEL NUMBER	NOTES
ASSE 1022	BACKFLOW PREVENTER	APOLLO	4C-102-02	INSTALLED ON ALL CM-1
ASSE 1070	MIXING VALVE	APOLLO	MVBS12-LF	INSTALLED ON ALL HAND WASHING SINKS.
ASSE 1010	WATER HAMMER ARRESTOR	WILKINS	1250-8	
FCT-1	FAUCET - LAVATORY			INSTALLED ON ALL LAV-1
FCT-2	FAUCET - SINK	CHICAGO FAUCETS	116.123.AB.1	INSTALLED ON ALL SK-1
FCT-3	FAUCET - SINK	DELTA	300 DST	INSTALLED ON ALL SK-2. PROVIDE WITH INTEGRAL SPRAY.
FV-1	FLUSH VALVE - WATER CLOSET	KOHLER	K-10674-SV-CP	INSTALLED ON ALL WC-1
FV-2	FLUSH VALVE - WATER CLOSET	ZURN	ZH6606AV-MBP-WS1	INSTALLED ON ALL WC-2

ELECTRIC HOT WATER HEATER (TANK)															
DESIGNATION	DESCRIPTION	MANUFACTURER	MODEL	INSTALLATION LOCATION	QUANTITY	PLUMBING DATA				ELECTRICAL DATA					
						TANK CAPACITY	COLD WATER INLET	HOT WATER OUTLET	DRAIN LINE	DESIGN TEMP RISE	RECOVERY GPH	NUMBER OF ELEMENTS	TOTAL KW	VOLTAGE	PHASE
EW-1	ELECTRIC WATER HEATER	A.O. SMITH	DRE-52-12	PT STORAGE ROOM	1	50 GALLON	1-1/4"	1-1/4"		100° F	49	3	12	480	3

PLUMBING DOMESTIC WATER WSFU SCHEDULE						
DESIGNATION	DESCRIPTION	QUANTITY	CW WSFU (PER FIXTURE)	HW WSFU (PER FIXTURE)	CW WSFU (TOTAL)	HW WSFU (TOTAL)
HBI(E)	HOSE BIBB	1	3.0	-	3.0	-
EXISTING TO REMAIN CW WSFU TOTAL			3.0			
EXISTING TO REMAIN HW WSFU TOTAL			0.0			
CM-1	COFFEE MAKER	1	0.5	-	0.5	-
LAV-1	LAVATORY	3	1.5	1.5	4.5	4.5
REFR-1	REFRIGERATOR	1	0.25	-	0.25	-
SK-1	SINK	6	1.0	1.0	6.0	6.0
SK-2	SINK	1	1.0	1.0	1.0	1.0
UR-1	URINAL (WATERLESS)	1	-	-	-	-
WC-1	WATER CLOSET	3	10.0	-	30.0	-
WC-2	WATER CLOSET	2	10.0	-	20.0	-
NEW CW WSFU TOTAL			62.25			
NEW HW WSFU TOTAL			11.5			

PLUMBING SANITARY DFU SCHEDULE				
DESIGNATION	DESCRIPTION	QUANTITY	DFU (PER FIXTURE)	DFU (TOTAL)
LAV-1	LAVATORY	3	1	4
SK-1	SINK	6	2	12
SK-2	SINK WITH GD-1	1	2	2
UR-1	URINAL	1	2	2
WC-1	WATER CLOSET	3	4	12
WC-2	WATER CLOSET	2	4	8
NEW DFU TOTAL			40	

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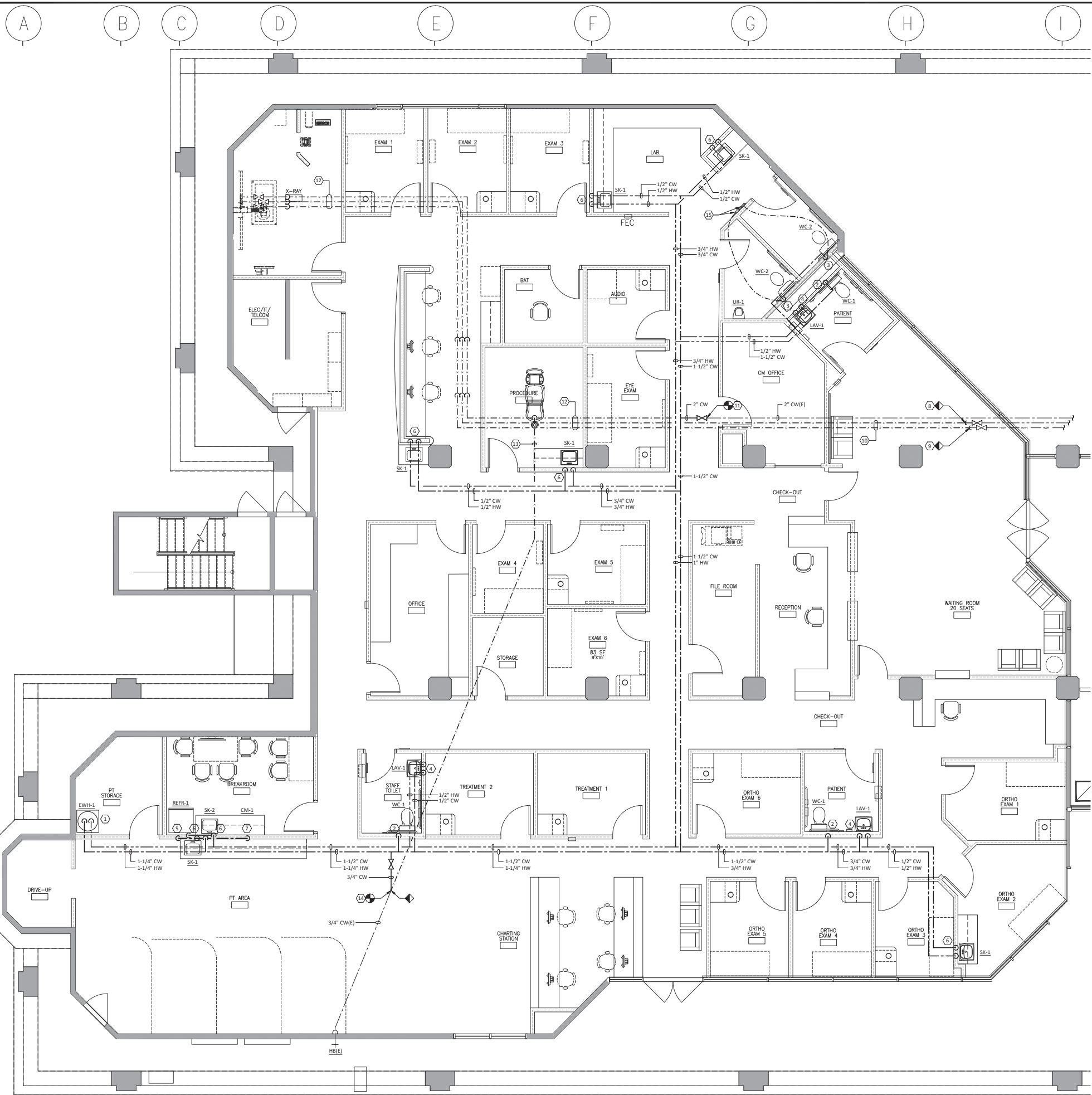
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PLUMBING GENERAL NOTES

1. PLUMBING CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING WET COLUMN RISERS AND BRANCH PIPING PRIOR TO ANY CONNECTIONS.
2. NO WORK IS TO BE REMOVED WITHOUT APPROVAL OF BUILDING ENGINEERS.
3. THE CONTRACTOR SHALL NOTIFY THE BUILDING ENGINEER AT THE APPROPRIATE TIME OF THE PROJECTED DEMOLITION AND SCHEDULE SO THAT REMOVAL OR RELOCATION OF AFFECTED UTILITIES MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS.
4. ALL EXISTING MATERIAL IN USABLE CONDITION WHICH IS TO BE REMOVED UNDER THIS CONTRACT, SHALL BE PROTECTED AND REMAIN THE PROPERTY OF THE OWNER OR SHALL BE DISPOSED OF BY THIS CONTRACTOR, AS DIRECTED BY THE BUILDING ENGINEER.
5. ARRANGE TO WORK CONTINUOUSLY. INCLUDE OVERTIME, IF REQUIRED, TO ASSURE THAT SYSTEMS WILL BE SHUT DOWN ONLY DURING THE TIME OF ACTUALLY REQUIRED TO MAKE THE NECESSARY CONNECTIONS TO THE EXISTING SYSTEMS.
6. ALL SERVICE SHUT DOWN SHALL BE COORDINATED WITH THE BUILDING ENGINEER.
7. MAINTAIN CONTINUITY OF ALL EXISTING DOMESTIC WATER AND SYSTEM WHICH SERVE ADJACENT AREA AND ARE NOT AFFECTED BY THIS CONTRACT.
8. DURING DEMOLITION PHASE OF THIS PROJECT, CONTRACTOR SHOULD PROTECT EXISTING PIPING LOCATED IN THE STUD WALL.
9. REFER TO ARCHITECTURAL DRAWING FOR PLUMBING FIXTURE SCHEDULE AND / OR COORDINATE WITH THE BUILDING STANDARDS.
10. ALL EXPOSED P-TRAP SHALL BE PROVIDED WITH TRAP WRAP.
11. ALL SINKS SHALL BE EQUIPPED WITH THERMOSTATIC MIXING VALVES.
12. ALL EXISTING PLUMBING ASSOCIATED PIPING SHALL BE PROTECTED DURING ALL PHASE OF CONSTRUCTION. PROVIDE LABELING ON ALL EXISTING PIPING COLD WATER, SANITARY AND VENT PIPING.

PLUMBING KEY NOTES

- 1 1-1/4" DOMESTIC COLD WATER AND 1-1/4" DOMESTIC HOT WATER PIPING TO SERVE EWH-1. WATER HEATER IS SUSPENDED ABOVE ACCESSIBLE CEILING.
- 2 1-1/2" DOMESTIC COLD WATER PIPING TO SERVE WC-1.
- 3 1-1/2" DOMESTIC COLD WATER PIPING TO SERVE WC-2.
- 4 1/2" DOMESTIC COLD WATER AND 1/2" HOT WATER DOMESTIC PIPING TO SERVE LAV-1.
- 5 1/4" DOMESTIC COLD WATER PIPING TO SERVE REFR-1. PROVIDE A RECESSED WATER BOX FOR REFR-1 CONNECTION.
- 6 1/2" DOMESTIC COLD WATER AND 1/2" DOMESTIC HOT WATER PIPING TO SERVE SK-1.
- 7 1/4" DOMESTIC COLD WATER PIPING TO SERVE CM-1. PIPING TO BE CONCEALED WITHIN MILLWORK.
- 8 EXISTING DOMESTIC HOT WATER WATER PIPING TO BE CUT, VALVED, AND CAPPED.
- 9 EXISTING DOMESTIC HOT WATER RE-CIRCULATION WATER PIPING TO BE CUT, VALVED, AND CAPPED.
- 10 EXISTING DOMESTIC HOT WATER AND HOT WATER RE-CIRCULATION WATER PIPING TO BE REMOVED.
- 11 EXISTING 2" DOMESTIC COLD WATER DOMESTIC PIPING TO BE CUT, VALVED AND CONNECTED TO NEW PIPING SERVING THE NEW NEW TENANT DISTRIBUTION.
- 12 EXISTING DOMESTIC COLD WATER, HOT WATER, AND HOT WATER RE-CIRCULATION WATER PIPING TO BE REMOVED.
- 13 EXISTING 3/4" DOMESTIC COLD WATER SERVING EXISTING HOSE BIB TO BE REMOVED.
- 14 NEW 3/4" DOMESTIC COLD WATER PIPING TO BE CONNECTED TO EXISTING PIPING TO SERVE EXISTING HOSE BIB.
- 15 REMOTE FLUSH VALVE ACTIVATION POINT FOR WC-2.



1 PLUMBING - DOMESTIC WATER PLAN

SCALE: 1/4" = 1'-0"



PLUMBING DOMESTIC WATER PLAN	
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PLUMBING SANITARY & WASTE PLAN	
DATE	REMARKS
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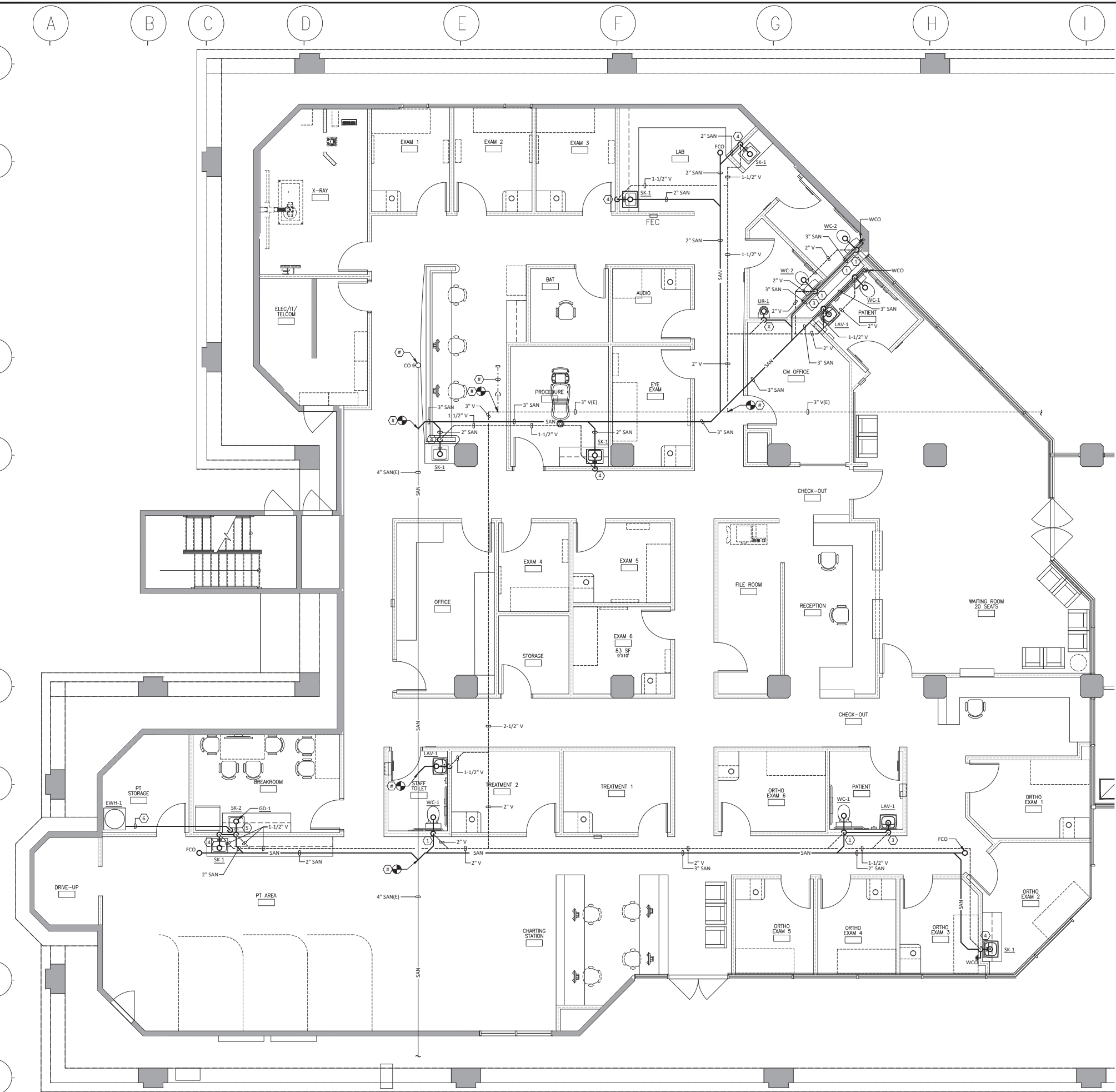
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P4.2

PLUMBING GENERAL NOTES

1. PLUMBING CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING WET COLUMN RISERS AND BRANCH PIPING PRIOR TO ANY CONNECTIONS.
2. NO WORK IS TO BE REMOVED WITHOUT APPROVAL OF BUILDING ENGINEERS.
3. THE CONTRACTOR SHALL NOTIFY THE BUILDING ENGINEER AT THE APPROPRIATE TIME OF THE PROJECTED DEMOLITION AND SCHEDULE SO THAT REMOVAL OR RELOCATION OF AFFECTED UTILITIES MAY BE CARRIED OUT IN COORDINATION WITH THE PROJECT REQUIREMENTS.
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6. ALL SERVICE SHUT DOWN SHALL BE COORDINATED WITH THE BUILDING ENGINEER.
7. MAINTAIN CONTINUITY OF ALL EXISTING DOMESTIC WATER AND SYSTEM WHICH SERVE ADJACENT AREA AND ARE NOT AFFECTED BY THIS CONTRACT.
8. DURING DEMOLITION PHASE OF THIS PROJECT, CONTRACTOR SHOULD PROTECT EXISTING PIPING LOCATED IN THE STUD WALL.
9. REFER TO ARCHITECTURAL DRAWING FOR PLUMBING FIXTURE SCHEDULE AND / OR COORDINATE WITH THE BUILDING STANDARDS.
10. ALL EXPOSED P-TRAP SHALL BE PROVIDED WITH TRAP WRAP.
11. ALL SINKS SHALL BE EQUIPPED WITH THERMOSTATIC MIXING VALVES.
12. ALL EXISTING PLUMBING ASSOCIATED PIPING SHALL BE PROTECTED DURING ALL PHASE OF CONSTRUCTION. PROVIDE LABELING ON ALL EXISTING PIPING COLD WATER, SANITARY AND VENT PIPING.

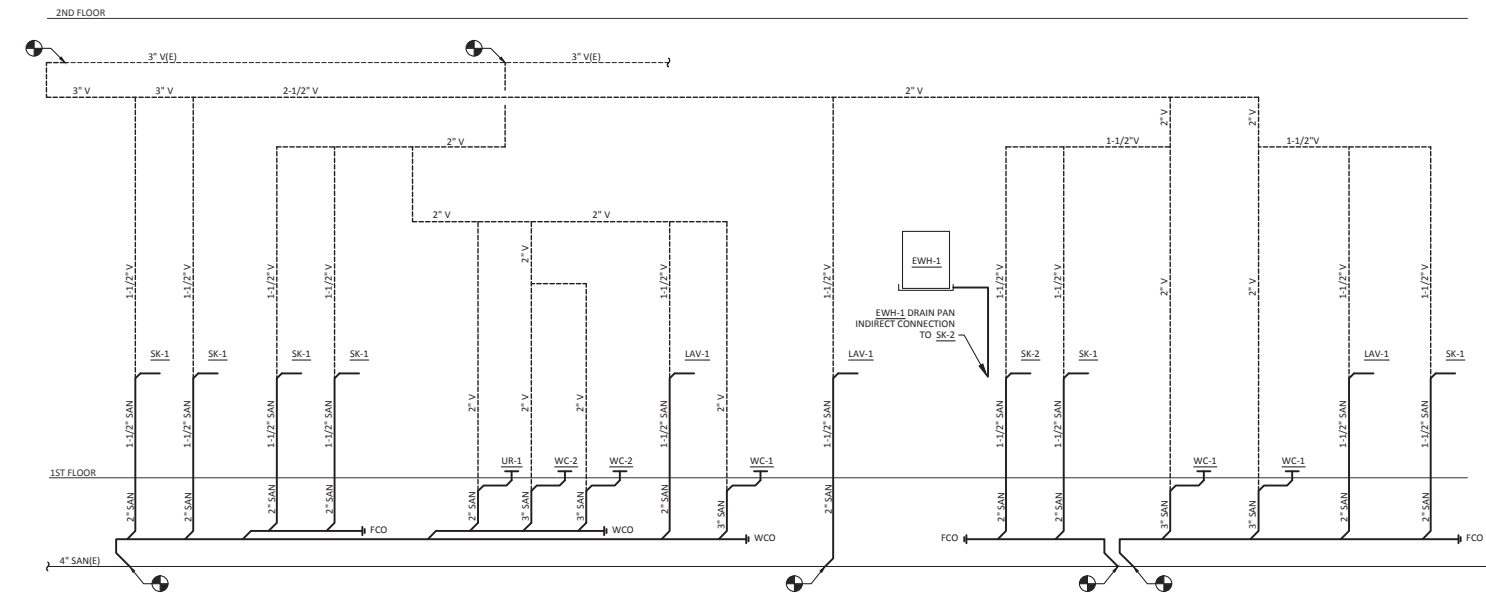
PLUMBING KEY NOTES

- | | |
|---|--|
| 1 | 3" SANITARY AND 2" VENT TO SERVE WC-1 |
| 2 | 3" SANITARY AND 2" VENT TO SERVE WC-2 |
| 3 | 1-1/2" SANITARY AND 1-1/2" VENT PIPING TO SERVE LAV-1 |
| 4 | 1-1/2" SANITARY AND 1-1/2" VENT PIPING TO SERVE SK-1 |
| 5 | 1-1/2" SANITARY AND 1-1/2" VENT PIPING TO SERVE SK-2 |
| 6 | 3/4" SANITARY PIPING SERVING EWH-1 DRAIN PAN TO INDIRECTLY CONNECT TO SK-2. PIPING IS TO BE ROUTED AS TIGHT TO THE WALL AS POSSIBLE. |

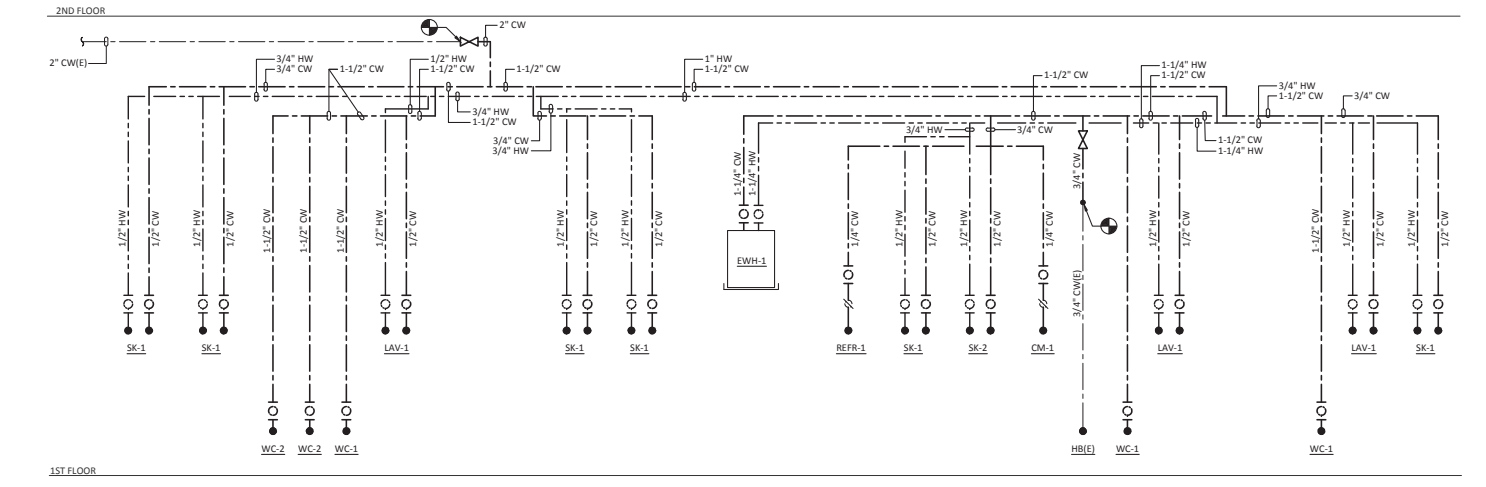


1 PLUMBING - SANITARY AND WASTE PLAN
 SCALE: 1/4" = 1'-0"





2 PLUMBING - SANITARY AND VENT RISER DIAGRAM
SCALE: NTS



1 PLUMBING - DOMESTIC WATER RISER DIAGRAM
SCALE: NTS

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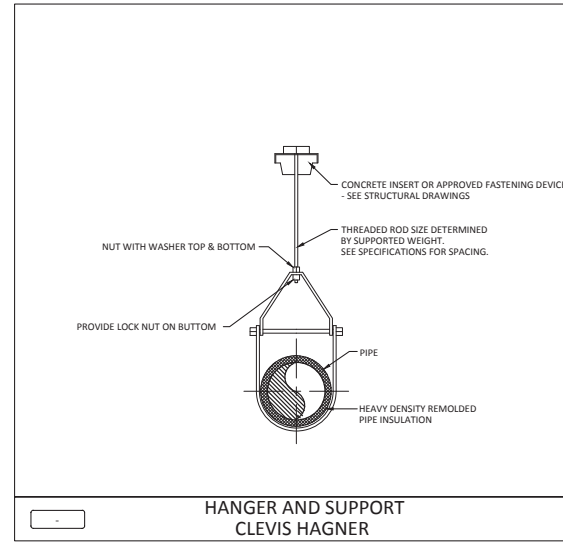
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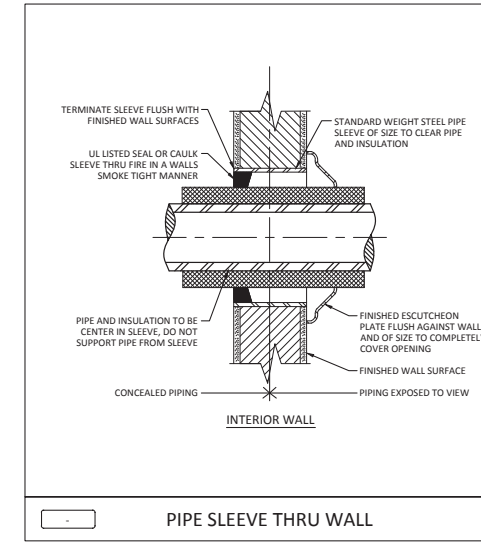
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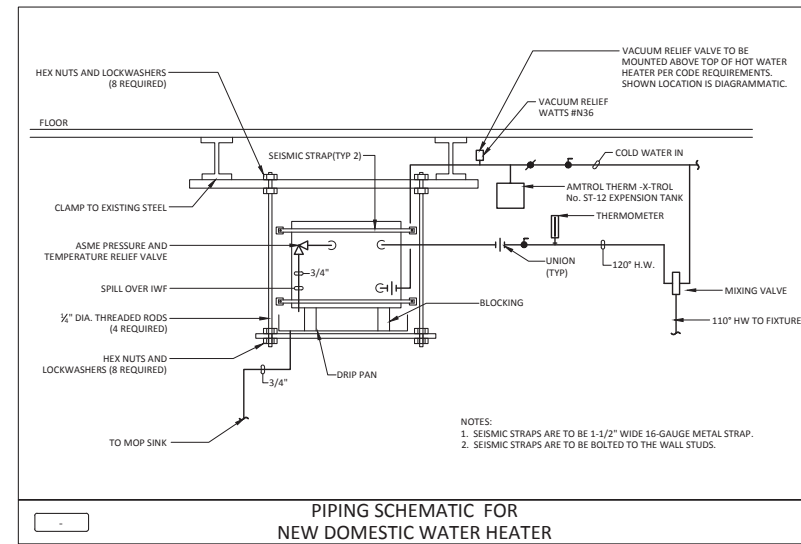




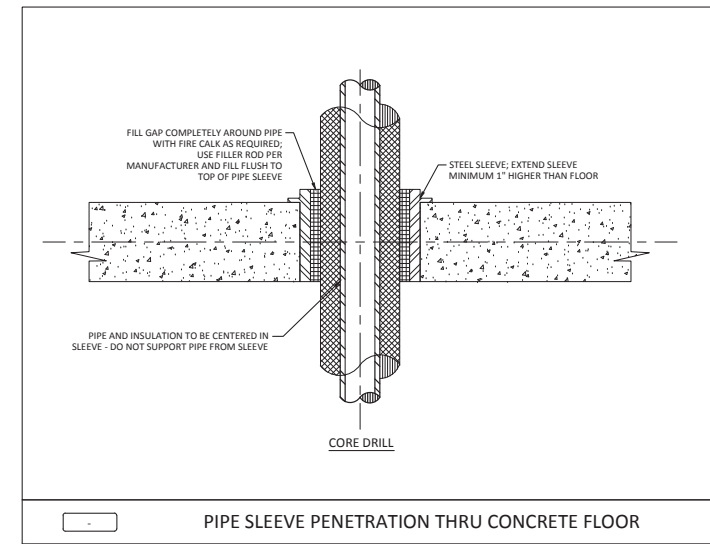
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PIPE SLEEVE THRU WALL



PIPING SCHEMATIC FOR
NEW DOMESTIC WATER HEATER



PIPE SLEEVE PENETRATION THRU CONCRETE FLOOR

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STATE OF CALIFORNIA
WATER HEATING SYSTEM GENERAL INFORMATION
 CEC-NRCC-PLB-01-E (Revised 01/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-PLB-01-E
 Water Heating System General Information (Page 1 of 2)
 Project Name: US Health Works Date Prepared: 12/02/2017

A. GENERAL INFORMATION/SYSTEM INFORMATION

Q1	Water Heater System Name:	EW9-1
Q2	Water Heater System Configuration:	Single Water Heater
Q3	Water Heater System Type:	Domestic Hot Water
Q4	Building Type:	Nonresidential
Q5	Total Number of Water Heaters in System:	1
Q6	Central DHW Distribution Type:	Other
Q7	Dwelling Unit DHW Distribution Type:	N/A

B. WATER HEATER INFORMATION
 Each water heater type requires a separate compliance document.

Q1	Water Heater Type:	Small Storage - Electric
Q2	Fuel Type:	Electricity
Q3	Manufacture Name:	AO Smith
Q4	Model Number:	DRE-52
Q5	Number of Identical Water Heaters:	1
Q6	Installed Water Heater System Efficiency:	97%
Q7	Required Minimum Efficiency:	96%
Q8	Standby Loss Percent or Standby Loss Total:	N/A for small storage system, but meets ASHRAE 90.1 requirements
Q9	Rated Input:	12 kW
Q10	Pilot Input:	N/A
Q11	Water Heater Tank Storage Volume:	50 gallons
Q12	Exterior Insulation on Water Heater:	Factory installed insulation
Q13	Volume of Supplemental Storage:	N/A
Q14	Internal Insulation on Supplemental Storage:	N/A
Q15	Exterior Insulation on Supplemental Storage:	N/A

C. PLUMBING COMPLIANCE FORMS & WORKSHEETS
 Check box if worksheet is included.

For detailed instructions on the use of this and all Energy Standards compliance documents, refer to the 2016 Nonresidential Manual Note. The Enforcement Agency may require all compliance documents to be incorporated onto the building plans.

YES	NO	Doc./Worksheet #	Title
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCC-PLB-01-E	Certificate of Compliance, Declaration. Required on plans for all submittals.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCC-PLB-02-E	Certificate of Installation. Required on plans for all submittals.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCC-PLB-02-E	Certificate of Installation, required on central systems in high-rise residential, hotel/motel application.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCC-PLB-03-E	Certificate of Installation, required on single dwelling unit systems in high-rise residential, hotel/motel application.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCC-PLB-21-H	Certificate of Installation, required on HERS verified central systems in high-rise residential, hotel/motel application.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCC-PLB-22-H	Certificate of Installation, required on HERS verified single dwelling unit systems in high-rise residential, hotel/motel application.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	NRCC-STH-01-E	Certificate of Installation, required on any solar water heating.

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance January 2016

STATE OF CALIFORNIA
WATER HEATING SYSTEM GENERAL INFORMATION
 CEC-NRCC-PLB-01-E (Revised 01/16) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE NRCC-PLB-01-E
 Water Heating System General Information (Page 2 of 2)
 Project Name: US Health Works Date Prepared: 12/02/2017

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Jimmy Speed Documentation Author Signature: *Jimmy Speed*

Company: WB Engineers+Consultants Signature Date: 12/02/2017
 Address: 5934 Gibraltar Drive, Suite 100 CEA/HERS Certification Identification (if applicable)
 City/State/Zip: Pleasanton, CA 94588 Phone: (925) 399-6687

RESPONSIBLE PERSON'S DECLARATION STATEMENT
 I certify the following under penalty of perjury, under the laws of the State of California:
 1. The information provided on this Certificate of Compliance is true and correct.
 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: John H. Reyna Responsible Designer Signature: *John H. Reyna*
 Company: WB Engineers+Consultants Date Signed: 12/02/2017
 Address: 5934 Gibraltar Drive, Suite 100 License: M32522
 City/State/Zip: Pleasanton, CA 94588 Phone: (925) 399-6687

CA Building Energy Efficiency Standards - 2016 Nonresidential Compliance January 2016

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Table with columns: DATE, REMARKS, DATE, REMARKS. Includes date 12.04.2017 and 'ISSUE FOR PLAN CHECK'.

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SHEET
E0.1



ELECTRICAL DRAWING LIST table with columns: DRAWING #, DRAWING TITLE. Lists drawings E0.1 through E8.2.

POWER AND SIGNAL DEVICE LEGEND table with columns: SYMBOL, DESCRIPTION. Lists symbols for electrical devices like receptacles, switches, and junction boxes.

MOTORS AND CONTROLS LEGEND table with columns: SYMBOL, DESCRIPTION. Lists symbols for motors, switches, and electrical connections.

LIGHTING ANNOTATIONS AND CONTROLS LEGEND table with columns: SYMBOL, DESCRIPTION. Lists symbols for lighting fixtures and controls.

ONE LINE/RISER DIAGRAM LEGEND table with columns: SYMBOL, DESCRIPTION. Lists symbols for circuit breakers, fuses, and grounding connections.

ABBREVIATIONS table with columns: ABBREVIATION, AMERICAN ENGLISH, SYMBOLOGY, BRITISH ENGLISH. Lists abbreviations like AMP, ADA, AF, etc.

LIGHTING FIXTURE SCHEDULE table with columns: DESIG., MFG. & CAT. NO., TYPE, MOUNTING, BALLAST TYPE, NO. LAMP, WATT-LAMP TYPE, VOLTAGE, REMARKS. Lists fixture specifications for various lighting types.

LIGHTING FIXTURE NOTES: 1. COORDINATE FIXTURE TYPES, MODEL NUMBERS AND COMPATIBILITY WITH DROP CEILING WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. 2. REFER TO ARCHITECTURAL DRAWINGS FOR QUANTITY AND EXACT LOCATION OF ALL LIGHTING FIXTURES. 3. CONFIRM ALL DIMMING DRIVER REQUIREMENTS AND PROVIDE COMPATIBLE DIMMERS AS REQUIRED.

- GENERAL NOTES 1. ALL WORK SHALL BE INSTALLED CONCEALED UNLESS OTHERWISE NOTED. 2. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS OF FINISHED CONSTRUCTION PRIOR TO FABRICATION AND INSTALLATION OF FIXTURES AND EQUIPMENT. 3. MOUNTING HEIGHTS OF EQUIPMENT AND DEVICES SHALL BE AS INDICATED ON THE ARCHITECTURAL DRAWINGS...

PANELBOARD SCHEDULE for XRAY. Includes columns for RATING, MAIN TYPE, VOLTAGE, PHASE, NEUTRAL, WIRE, ENCLOSURE, MOUNTING, FEED THRU LUGS, ISOLATED GND, and AIC. Lists various electrical components and their specifications.

PANELBOARD SCHEDULE for PL. Includes columns for RATING, MAIN TYPE, VOLTAGE, PHASE, NEUTRAL, WIRE, ENCLOSURE, MOUNTING, FEED THRU LUGS, ISOLATED GND, and AIC. Lists various electrical components and their specifications.

Summary table for XRAY panelboard, including Lighting (kVA), Receptacles (kVA), Motors (kVA), Heating (kVA), Data Processing (kVA), Kitchen (kVA), and Miscellaneous (kVA) loads.

Summary table for PL panelboard, including Lighting (kVA), Receptacles (kVA), Motors (kVA), Heating (kVA), Data Processing (kVA), Kitchen (kVA), and Miscellaneous (kVA) loads.

PANELBOARD SCHEDULE for P1. Includes columns for RATING, MAIN TYPE, VOLTAGE, PHASE, NEUTRAL, WIRE, ENCLOSURE, MOUNTING, FEED THRU LUGS, ISOLATED GND, and AIC. Lists various electrical components and their specifications.

PANELBOARD SCHEDULE for P2. Includes columns for RATING, MAIN TYPE, VOLTAGE, PHASE, NEUTRAL, WIRE, ENCLOSURE, MOUNTING, FEED THRU LUGS, ISOLATED GND, and AIC. Lists various electrical components and their specifications.

Summary table for P1 panelboard, including Lighting (kVA), Receptacles (kVA), Motors (kVA), Heating (kVA), Data Processing (kVA), Kitchen (kVA), and Miscellaneous (kVA) loads.

Summary table for P2 panelboard, including Lighting (kVA), Receptacles (kVA), Motors (kVA), Heating (kVA), Data Processing (kVA), Kitchen (kVA), and Miscellaneous (kVA) loads.

PANELBOARD SCHEDULE for P3. Includes columns for RATING, MAIN TYPE, VOLTAGE, PHASE, NEUTRAL, WIRE, ENCLOSURE, MOUNTING, FEED THRU LUGS, ISOLATED GND, and AIC. Lists various electrical components and their specifications.

PANELBOARD SCHEDULE for P4. Includes columns for RATING, MAIN TYPE, VOLTAGE, PHASE, NEUTRAL, WIRE, ENCLOSURE, MOUNTING, FEED THRU LUGS, ISOLATED GND, and AIC. Lists various electrical components and their specifications.

Summary table for P3 panelboard, including Lighting (kVA), Receptacles (kVA), Motors (kVA), Heating (kVA), Data Processing (kVA), Kitchen (kVA), and Miscellaneous (kVA) loads.

Summary table for P4 panelboard, including Lighting (kVA), Receptacles (kVA), Motors (kVA), Heating (kVA), Data Processing (kVA), Kitchen (kVA), and Miscellaneous (kVA) loads.

PANELBOARD SCHEDULE for P5. Includes columns for RATING, MAIN TYPE, VOLTAGE, PHASE, NEUTRAL, WIRE, ENCLOSURE, MOUNTING, FEED THRU LUGS, ISOLATED GND, and AIC. Lists various electrical components and their specifications.

PANELBOARD SCHEDULE for P6. Includes columns for RATING, MAIN TYPE, VOLTAGE, PHASE, NEUTRAL, WIRE, ENCLOSURE, MOUNTING, FEED THRU LUGS, ISOLATED GND, and AIC. Lists various electrical components and their specifications.

Summary table for P5 panelboard, including Lighting (kVA), Receptacles (kVA), Motors (kVA), Heating (kVA), Data Processing (kVA), Kitchen (kVA), and Miscellaneous (kVA) loads.

Summary table for P6 panelboard, including Lighting (kVA), Receptacles (kVA), Motors (kVA), Heating (kVA), Data Processing (kVA), Kitchen (kVA), and Miscellaneous (kVA) loads.

PANELBOARD SCHEDULE for P7. Includes columns for RATING, MAIN TYPE, VOLTAGE, PHASE, NEUTRAL, WIRE, ENCLOSURE, MOUNTING, FEED THRU LUGS, ISOLATED GND, and AIC. Lists various electrical components and their specifications.

PANELBOARD SCHEDULE for P8. Includes columns for RATING, MAIN TYPE, VOLTAGE, PHASE, NEUTRAL, WIRE, ENCLOSURE, MOUNTING, FEED THRU LUGS, ISOLATED GND, and AIC. Lists various electrical components and their specifications.

Summary table for P7 panelboard, including Lighting (kVA), Receptacles (kVA), Motors (kVA), Heating (kVA), Data Processing (kVA), Kitchen (kVA), and Miscellaneous (kVA) loads.

Summary table for P8 panelboard, including Lighting (kVA), Receptacles (kVA), Motors (kVA), Heating (kVA), Data Processing (kVA), Kitchen (kVA), and Miscellaneous (kVA) loads.

PANELBOARD SCHEDULE for P9. Includes columns for RATING, MAIN TYPE, VOLTAGE, PHASE, NEUTRAL, WIRE, ENCLOSURE, MOUNTING, FEED THRU LUGS, ISOLATED GND, and AIC. Lists various electrical components and their specifications.

PANELBOARD SCHEDULE for P10. Includes columns for RATING, MAIN TYPE, VOLTAGE, PHASE, NEUTRAL, WIRE, ENCLOSURE, MOUNTING, FEED THRU LUGS, ISOLATED GND, and AIC. Lists various electrical components and their specifications.

Summary table for P9 panelboard, including Lighting (kVA), Receptacles (kVA), Motors (kVA), Heating (kVA), Data Processing (kVA), Kitchen (kVA), and Miscellaneous (kVA) loads.

Summary table for P10 panelboard, including Lighting (kVA), Receptacles (kVA), Motors (kVA), Heating (kVA), Data Processing (kVA), Kitchen (kVA), and Miscellaneous (kVA) loads.

PANELBOARD SCHEDULE for P11. Includes columns for RATING, MAIN TYPE, VOLTAGE, PHASE, NEUTRAL, WIRE, ENCLOSURE, MOUNTING, FEED THRU LUGS, ISOLATED GND, and AIC. Lists various electrical components and their specifications.

PANELBOARD SCHEDULE for P12. Includes columns for RATING, MAIN TYPE, VOLTAGE, PHASE, NEUTRAL, WIRE, ENCLOSURE, MOUNTING, FEED THRU LUGS, ISOLATED GND, and AIC. Lists various electrical components and their specifications.

Summary table for P11 panelboard, including Lighting (kVA), Receptacles (kVA), Motors (kVA), Heating (kVA), Data Processing (kVA), Kitchen (kVA), and Miscellaneous (kVA) loads.

Summary table for P12 panelboard, including Lighting (kVA), Receptacles (kVA), Motors (kVA), Heating (kVA), Data Processing (kVA), Kitchen (kVA), and Miscellaneous (kVA) loads.

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REMARKS - PANEL SCHEDULES table with columns for DATE, REMARKS, and PLAN CHECK.

PA / PM: JDS
DRAWN BY: KS
JOB NO.: SNR16-6088-00

SHEET
E1.1



260500 - GENERAL REQUIREMENTS

A. ALL WORK SHALL COMPLY WITH REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, LOCAL BUILDING CODE AND BUILDING MANAGEMENT RULES AND REGULATIONS. CONTRACTOR IS TO INFORM ENGINEER OF ANY EXISTING WORK OR MATERIALS THAT VIOLATE ANY OF THE ABOVE LAWS AND REGULATIONS. ANY WORK DONE BY THE CONTRACTOR CAUSING SUCH VIOLATION SHALL BE CORRECTED AT CONTRACTOR'S EXPENSE BY THIS CONTRACTOR AND AT NO EXPENSE TO THE OWNER.

260519 - WIRE AND CABLE
A. ALL CONDUCTORS SHALL BE COPPER, TYPE THHN/THWN INSULATED. ALL CONDUCTORS SHALL HAVE 600 VOLT RATED INSULATION. CONDUCTORS #10 AWG AND SMALLER SHALL BE SOLID WIRE. CONDUCTORS AND #8 AWG AND LARGER SHALL BE STRANDED WIRE.

262200 - DRY-TYPE TRANSFORMERS
A. THREE PHASE TRANSFORMERS SHALL BE 480 VOLT DELTA PRIMARY, 120V/208V, 3 PHASE, 4 WIRE SECONDARY, U.O.N. TRANSFORMERS 30 KVA AND LARGER SHALL HAVE A MINIMUM OF 2 1/2 PERCENT FULL CAPACITY TAPS ABOVE AND FOUR 2 1/2 PERCENT FULL CAPACITY TAPS BELOW NORMAL RATED PRIMARY VOLTAGES.

5. "PROVIDE" - FURNISH AND "INSTALL"
6. "RELOCATE" - MOVE EXISTING EQUIPMENT/DEVICES/FIXTURE AND ALL ACCESSORIES AS REQUIRED, INCLUDING THE EXTENSION OF EXISTING OR PROVIDING NEW CIRCUIT/CONDUCTORS/WIRING AS REQUIRED.

ABBREVIATIONS
A AMP/AMPERE
AFF ABOVE FINISH FLOOR
ATS AUTOMATIC TRANSFER SWITCH
AWG AMERICAN WIRE GAUGE

260519 - WIRE AND CABLE (continued)
B. METAL CLAD CABLE (TYPE MC) IS PERMISSIBLE FOR CONCEALED BRANCH CIRCUITRY WHERE PERMITTED BY CODE AND BUILDING MANAGEMENT.
C. BRANCH CIRCUIT WIRE SIZE: THE MINIMUM WIRE SIZE FOR BRANCH CIRCUIT SHALL BE #12 AWG, EXCEPT 120 VOLT CIRCUITS OVER 80 FEET IN LENGTH SHALL BE 10# AWG. REFER TO DRAWINGS FOR FURTHER WIRE SIZING INFORMATION.

260526 - GROUNDING AND BONDING OF ELECTRICAL SYSTEMS
A. EQUIPMENT: GROUND NON-CURRENT CARRYING METAL PARTS OF THE ELECTRICAL SYSTEM. PROVIDE A SEPARATE GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR WITH ALL FEEDERS AND BRANCH CIRCUITS, SIZED IN ACCORDANCE WITH THE OVER CURRENT PROTECTIVE DEVICE SERVING THAT FEEDER OR BRANCH CIRCUIT.

260533 - RACEWAY
A. CONDUIT FOR BRANCH CIRCUIT SHALL BE THIN WALL TUBING (EMT), WITH COMPRESSION FITTINGS SIZED PER DRAWING, 3/4" MINIMUM. (MAXIMUM 3 CIRCUITS PER HOMERUN EXCEPT AS NOTED). USE RIGID GALVANIZED STEEL CONDUIT FOR FIRE ALARM POWER RISER.

260534 - PULL BOXES, JUNCTION BOXES AND OUTLET BOXES
A. PULLBOXES, JUNCTION BOXES AND OUTLET BOXES SHALL BE MANUFACTURED FROM GALVANIZED INDUSTRY STANDARD GAUGE SHEET STEEL.

B. TRANSFORMERS 30 KVA AND ABOVE SHALL BE 150° C TEMPERATURE RISE ABOVE 40° C AMBIENT U.O.N.
C. CLASS 220 INSULATION.
D. TRANSFORMERS SHALL COMPLY WITH ST20 AND UL 1561.

26216 - PANELBOARDS
A. FURNISH AND INSTALL THREE-PHASE, 4 WIRE COPPER BUS PANELBOARDS AS INDICATED ON PANEL SCHEDULES.

A. ALL MAIN AND BRANCH BUS BARS, NEUTRAL AND GROUND BUS BARS, CABLE LUGS AND ALL CONNECTORS TO BE MADE OF COPPER. PANELBOARD BUS BARS SHALL BE COPPER AND PROPORTIONED FOR A CURRENT DENSITY OF 1000 AMPERES PER SQUARE INCH OF CROSS SECTIONAL AREA.

A. WIRING DEVICES SHALL BE OF THE COMMERCIAL SPECIFICATION GRADE. ALL DEVICES AND PLATES SHALL BE PLUMB AND FLUSH MOUNTED, UNLESS OTHERWISE NOTED.

262726 - WIRING DEVICES
A. WIRING DEVICES SHALL BE OF THE COMMERCIAL SPECIFICATION GRADE. ALL DEVICES AND PLATES SHALL BE PLUMB AND FLUSH MOUNTED, UNLESS OTHERWISE NOTED.

262727 - SWITCHES, FUSES AND CIRCUIT BREAKERS
A. SWITCHES SHALL BE QUICK-BREAK HEAVY DUTY IN NEMA 1 ENCLOSURE, FUSED OR UNFUSED, AS INDICATED ON THE DRAWINGS. FUSES FOR SWITCHES SHALL BE CURRENT LIMITING TYPE WITH AN INTERRUPTING CAPACITY OF 200,000 RMS AMPERES AND OF THE CONTINUOUS CURRENT RATING AS SHOWN ON THE DRAWINGS.

265100 - LIGHTING FIXTURES AND LAMPS
A. BALLASTS/DRIVERS AND LAMPS SHALL BE ENERGY EFFICIENT COMPLYING WITH THE STATE ENERGY CODE.

1. PROVIDE COMPLETE LIGHT FIXTURES WITH ASSOCIATED LAMPS, MOUNTING ACCESSORIES ETC. AS PER ARCHITECTS SPECIFICATIONS. ALL EMERGENCY LIGHT FIXTURES SHALL MEET LOCAL BUILDING CODE REQUIREMENTS.

1. INDIVIDUAL FIXTURES: CARRY WEIGHT OF FIXTURE TO BUILDING CONSTRUCTION, CLEAR OF DUCTS OR PIPES.

1. PROVIDE UL LISTED CLASS P, "A" SOUND RATED BALLASTS WITH HIGH POWER FACTOR WITH REQUIRED VOLTAGE AND FREQUENCY.

1. FOR CEILING CONSTRUCTION, REFER TO ARCHITECTURAL DRAWINGS FOR FINISH SCHEDULES AND REFER TO MANUFACTURER'S INSTALLATION DETAILS AND APPLICABLE CODES FOR REQUIRED FIXTURE MOUNTING ACCESSORIES.

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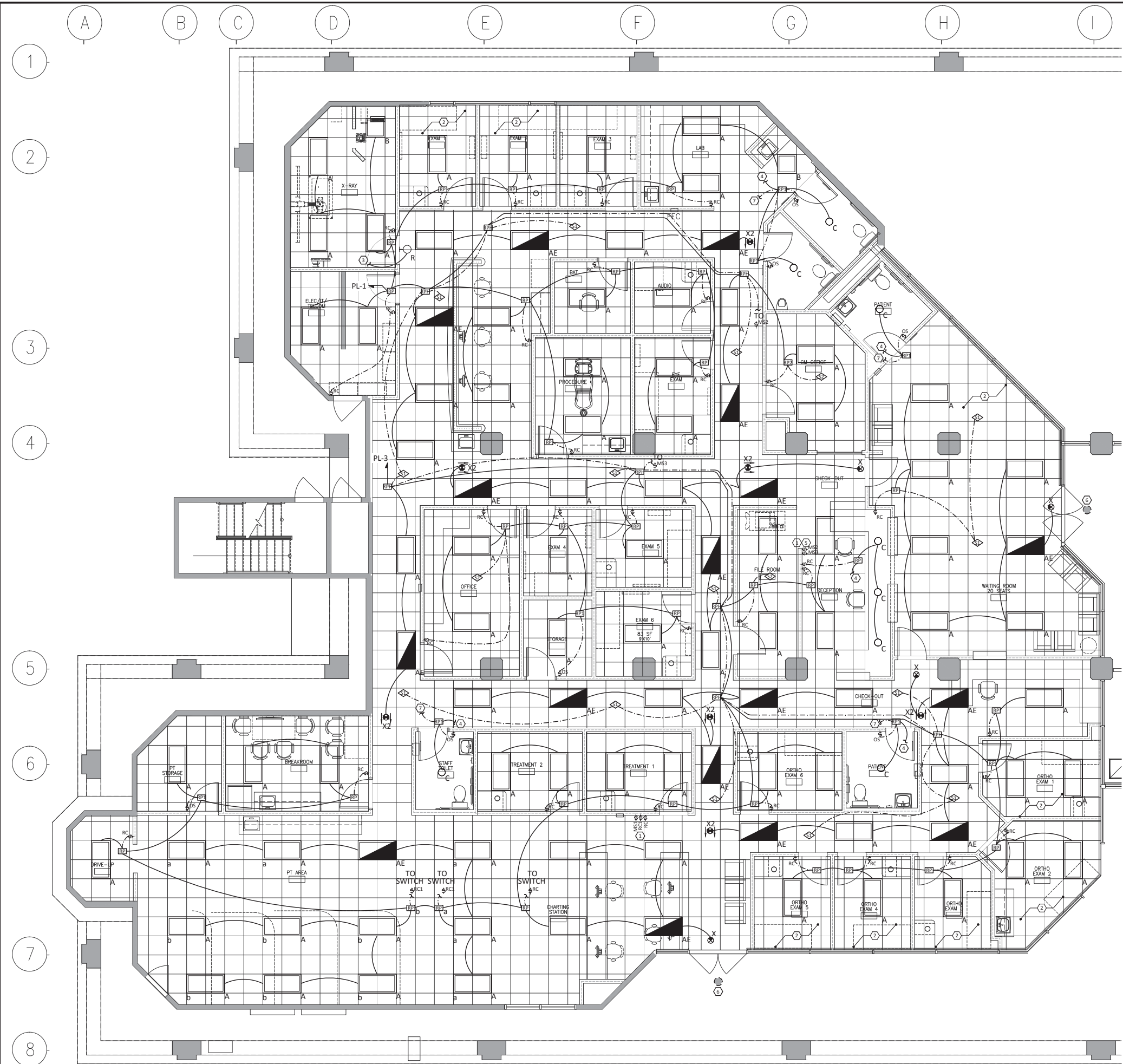
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Table with 4 columns: DATE, REMARKS, ISSUE FOR PLAN CHECK, and a blank column. Includes a date stamp for 12.04.2017.

Table with 2 columns: PA / PM, DRAWN BY, JOB NO., and SHEET. Includes values: JDS, KS, SNR16-6088-00, and E2.1.





- ### LIGHTING GENERAL NOTES
- FOR GENERAL PROJECT NOTES AND SYMBOL LIST, SEE SHEET ED.1.
 - BEFORE BID SUBMISSION AND COMMENCING WORK, CONTRACTOR SHALL FIELD INSPECT SCOPE OF PROJECT, AND SUBMIT A REQUEST OF INFORMATION TO THE ENGINEER FOR ANY DISCREPANCIES OR INCOMPATIBILITIES FOUND BETWEEN DESIGN AND ACTUAL CONDITIONS.
 - ALL JUNCTION OR OUTLET BOXES SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO COVER. PROVIDE ARCHITECT APPROVED ACCESS DOORS OR PLATES AS REQUIRED IN AREAS WHERE UNOBSTRUCTED ACCESS TO BOX OR OUTLET IS NOT POSSIBLE.
 - ALL BRANCH CIRCUIT WIRING SHALL BE ROUTED CONCEALED IN WALLS AND IN HUNG CEILING CAVITY, U.O.N. FINAL CONNECTIONS TO LIGHTING FIXTURES SHALL BE MADE WITH WIRING HAVING 90°C RATED INSULATION.
 - FOR LIGHTING FIXTURE SCHEDULES (FOR REFERENCE ONLY), SEE SHEET ED.1. COORDINATE TYPE, QUANTITY & LOCATIONS WITH FINAL ARCHITECTURAL CEILING PLANS.
 - FOR EXACT LOCATION AND MOUNTING HEIGHTS OF ALL LIGHTING FIXTURES AND SWITCHES SEE ARCHITECTURAL DRAWINGS.
 - PRIOR TO ORDERING LIGHTING FIXTURES, COORDINATE WITH ARCHITECTURAL DRAWINGS AND SPECIFICATIONS. IF DISCREPANCIES EXIST BETWEEN ARCHITECTURAL AND ENGINEERING INFORMATION, OBTAIN CLARIFICATION PRIOR TO PROCEEDING.
 - MULTIPLE SWITCHES SHOWN IN SAME LOCATION SHALL BE GANGED TOGETHER WITH A COMMON FACEPLATE.
 - ALL LIGHTING FIXTURES CONTROLLED BY DIMMER SWITCHES SHALL BE PROVIDED WITH DEDICATED NEUTRAL CONDUCTOR AND DIMMING BALLAST OR DRIVER. PROVIDE FLUORESCENT DIMMING BALLASTS AS REQUIRED.
 - ANY "SWITCHED" ROOMS WITH EMERGENCY LIGHTING EMERGENCY CIRCUIT SHALL BE EQUIPPED WITH A TRANSFER SWITCH RELAY (BODINE GTD) AT EACH FIXTURE IN THE EVENT OF A POWER OUTAGE.
 - PROVIDE UNSWITCHED HOT LEG FOR ALL NIGHT LIGHTS, EXIT LIGHTS, AND EMERGENCY BATTERY PACKS.
 - CONTRACTOR SHALL PROVIDE ALL REQUIRED JUNCTION BOXES, THROUGH WIRING, DROPS, CONDUIT, WIRING AS REQUIRED TO PROVIDE A COMPLETE AND OPERATIONAL INSTALLATION IN ACCORDANCE WITH LIGHTING MANUFACTURERS SHOP DRAWINGS, FIELD CONDITIONS, CODE REQUIREMENTS, BUILDING STANDARDS AND CONTRACT DOCUMENTS. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ALL REQUIRED WIRING BETWEEN THE LIGHT SWITCHES/OCCUPANCY/VACANCY SENSORS TO THE LIGHTING FIXTURES.
 - THE LOCATION OF SENSORS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC FOR WORK SCOPE PURPOSES ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROPERLY LOCATE, AIM, AND MARK THE SENSORS BASED ON MANUFACTURER'S RECOMMENDATIONS. ARRANGE FOR MANUFACTURER'S FIELD REPRESENTATIVE TO VISIT THE SITE AND SUPERVISE FINAL LOCATION AND ADJUSTMENTS AS REQUIRED.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR THE WIRING OF THE OCCUPANCY/VACANCY SENSOR. FOLLOW MANUFACTURER'S INSTALLATION INSTRUCTIONS AND WIRING DIAGRAMS. POWER PACK/RELAY CONTROL MODULE QUANTITIES & LOCATIONS ARE NOT SHOWN. COORDINATE WITH MANUFACTURER FOR REQUIREMENTS AND LIMITATIONS OF SYSTEM.
 - CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF ALL CEILING MOUNTED OCCUPANCY SENSORS WITH ALL OTHER CEILING APPURTENANCES SUCH AS HVAC DIFFUSERS, SPRINKLER HEADS, ETC. SENSORS SHALL BE LOCATED AT A MINIMUM OF 6 FEET AWAY FROM ANY HVAC DIFFUSER.
 - CEILING MOUNTED OCCUPANCY SENSOR TIME DELAY SHALL BE SET FOR NO LESS THAN 15 MINUTES AND SHALL NOT EXCEED 30 MIN AS PART OF OCCUPANCY SENSOR SHOP DRAWING SUBMITTAL. PROVIDE LIGHTING PLAN SHOWING EXACT QUANTITIES AND LOCATIONS OF ALL SYSTEM COMPONENTS, INCLUDING SENSOR TYPES, POWER PACKS, CONTROLLERS, BRIDGES, GATEWAYS, ETC.
 - UPON COMPLETION OF THE INSTALLATION, THE COMPLETE LIGHTING CONTROL SYSTEM SHALL BE COMPLETELY COMMISSIONED BY THE MANUFACTURER'S FACTORY AUTHORIZED TECHNICIAN WHO WILL VERIFY ALL ADJUSTMENTS AND SENSOR PLACEMENT TO ENSURE SATISFACTORY OPERATION OF THE SYSTEM.
 - THE CONTRACT SHALL ALSO SUPPLY, AT THE CLIENT'S FACILITY, THE TRAINING NECESSARY TO FAMILIARIZE THE CLIENT PERSONNEL WITH THE LIGHTING CONTROL SYSTEM OPERATION, ADJUSTMENT, AND PROBLEM RESOLUTION OF THE OCCUPANCY/VACANCY SENSORS AND SYSTEM.
 - ALL "EM" AND EXIT LIGHT FIXTURES SHALL BE EQUIPPED WITH AN EMERGENCY BATTERY BALLAST WITH 90 MINUTES OF BACK-UP TIME, LED INDICATION LIGHT, AND PUSH-TO-TEST BUTTON.
 - COORDINATE FIXTURE TYPES, MODEL NUMBERS AND COMPATIBILITY WITH DROP CEILING WITH THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
 - COLOR AND RENDERING INDEX OF ALL FLUORESCENT LAMPS SHALL BE SELECTED BY ARCHITECT.
 - CONTRACTOR SHALL CLEAN & RE-LAMP ALL EXISTING LIGHTING FIXTURES BEING RE-USED AS PART OF THIS PROJECT. COORDINATE EXACT LAMPING REQUIREMENTS IN FIELD WITH EXISTING LIGHTING FIXTURES.
 - ANY BALLASTS THAT ARE NOT FUNCTIONING WITHIN EXISTING LIGHTING FIXTURES SHALL BE REPLACED AS REQUIRED. CONTRACTOR SHALL PROVIDE A UNIT PRICE TO REPLACE ALL LAMPS AND BALLASTS PER FIXTURE.

- ### LIGHTING PLAN KEY NOTES
- VERIFY LOCATION OF SWITCHES WITH OWNER PRIOR TO ROUGH-IN.
 - THE INSTALLED LIGHTING POWER IN THIS DAYLIGHTING ZONE SPACE IS LESS THAN 120 WATTS. THEREFORE, THIS AREA IS EXEMPT FROM TITLE 24 DAYLIGHTING REQUIREMENTS.
 - COORDINATE INSTALLATION OF X-RAY IN USE SIGN (LIGHTING FIXTURE TYPE R) WITH X-RAY INSTALLER. SEE ENLARGED PLAN ON SHEET ES.1 FOR ADDITIONAL INFORMATION.
 - CONNECT ALL RESTROOM LIGHTING MODULES TO CIRCUIT P1-36.
 - PROVIDE LABEL FOR CORRIDOR MANUAL OVERRIDE IDENTIFICATION.
 - EXISTING EXTERIOR EMERGENCY EGRESS LIGHTING TO REMAIN.
 - CONNECT TO EXHAUST FAN EF-1 OPERATION. SEE POWER PLAN ON SHEET E4.2 FOR ADDITIONAL INFORMATION.

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ELECTRICAL - NEW WORK LIGHTING PLAN	
DATE	REMARKS
12.04.2017	ISSUE FOR PLAN CHECK

PA / PM: JDS
 DRAWN BY: KS
 JOB NO.: SNR16-6088-00

SHEET
E4.1

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



ELECTRICAL NEW WORK POWER PLAN	
DATE	REMARKS
12.04.2017	ISSUE FOR PLAN CHECK

PA / PM:	JDS
DRAWN BY:	KS
JOB NO.:	SNR16-6088-00

POWER GENERAL NOTES

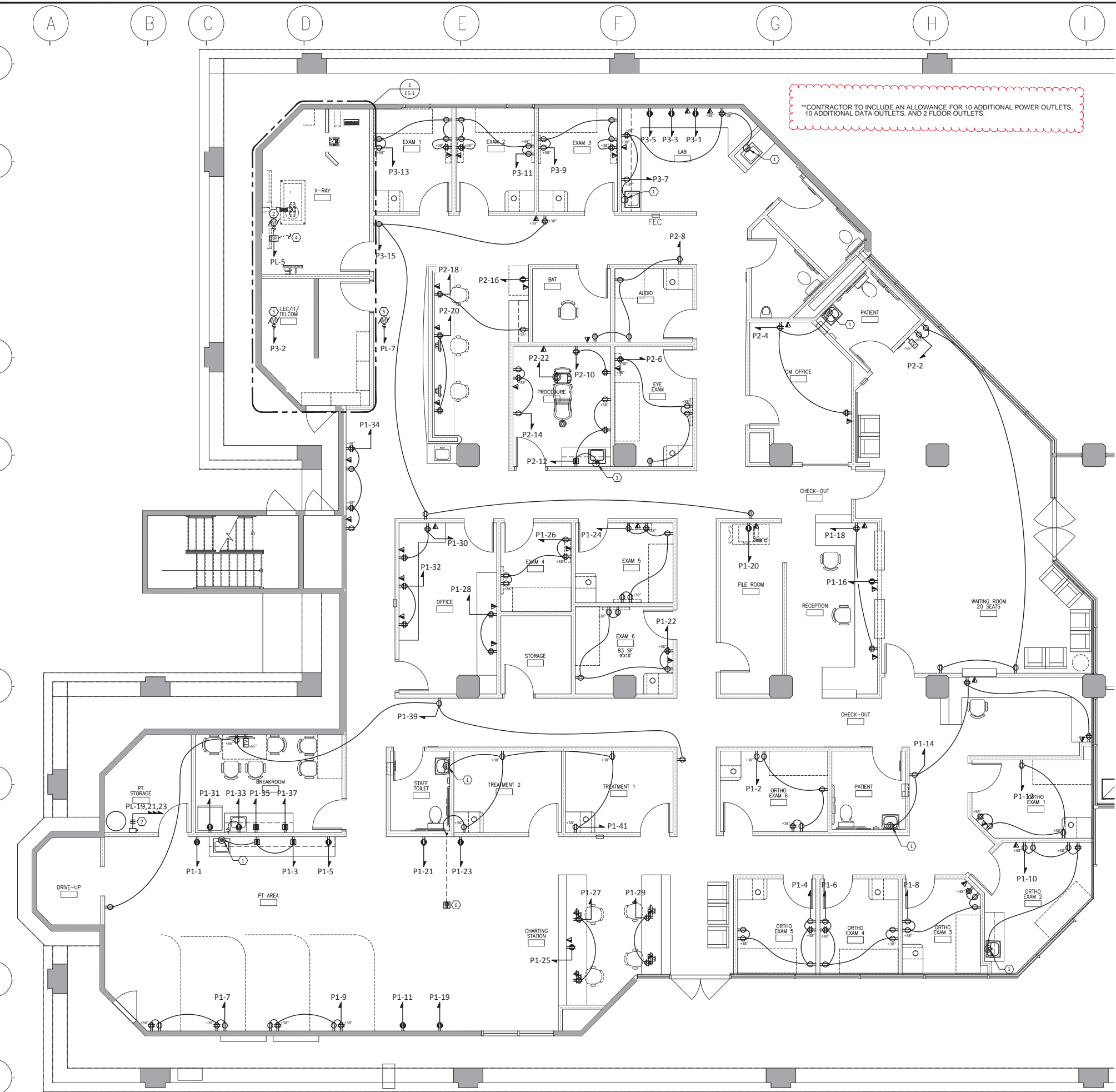
- FOR GENERAL NOTES AND SYMBOL LIST, SEE SHEET E0.1.
- BEFORE BID SUBMISSION AND COMMENCING WORK, CONTRACTOR SHALL FIELD INSPECT SCOPE OF PROJECT, AND SUBMIT A REQUEST OF INFORMATION TO THE ENGINEER FOR ANY DISCREPANCIES OR INCOMPATIBILITIES FOUND BETWEEN DESIGN AND ACTUAL CONDITIONS.
- ALL JUNCTION OR OUTLET BOXES SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO COVER. PROVIDE ARCHITECT APPROVED ACCESS DOORS OR PLATES AS REQUIRED IN AREAS WHERE UNOBSTRUCTED ACCESS TO BOX OR OUTLET IS NOT POSSIBLE.
- ALL BRANCH CIRCUIT WIRING SHALL BE ROUTED CONCEALED IN WALLS AND IN HUNG CEILING CAVITY, U.O.N. FINAL CONNECTIONS TO LIGHTING FIXTURES SHALL BE MADE WITH WIRING HAVING 90°C RATED INSULATION.
- EQUIPMENT LOCATIONS, WHERE SHOWN, ARE APPROXIMATE. FIELD VERIFY AND REFER TO ARCHITECTURAL DRAWINGS FOR MORE DETAILED DIMENSIONS AND OTHER CONSTRUCTION RELATED INFORMATION.
- ALL CIRCUITS TO COMPUTERS, LASER PRINTERS, COPIERS, FAX MACHINES AND ANY OTHER LOADS OF NON-LINEAR NATURE OUTLETS SHALL HAVE SEPARATE NEUTRAL WIRES. STANDARD SHARED NEUTRAL HOMERUNS ARE NOT PERMITTED.
- PROVIDE TEMPORARY LIGHT AND POWER IN AREAS INDICATED WHERE PERMANENT LIGHTING IS BEING REMOVED.
- EXISTING CONDUIT RISER AND PANEL LOCATIONS (WHERE SHOWN) ARE FOR INFORMATIONAL / REFERENCE PURPOSES.
- WHEN TRANSITIONING EXISTING EQUIPMENT FROM TEMPORARY TO PERMANENT SOURCE, ELECTRICAL CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO SAFE-OFF ALL EXISTING DOWNSTREAM LOADS PRIOR TO RE-ENERGIZING ON NEW PERMANENT POWER. DOWNSTREAM LOADS SHALL BE RE-ENERGIZED ONE AT A TIME SO AS TO ISOLATE SHORT CIRCUITS. VERIFY PROPER CONNECTIONS, PHASE ROTATION, ETC. ELECTRICAL CONTRACTOR SHALL THOROUGHLY VERIFY AND UNDERSTAND EXISTING FIELD CONDITIONS AND PROJECT SCOPE. DEVELOP AND DOUBLE CHECK RESPECTIVE METHODS OF PROCEDURE (MOP) PRIOR TO PERFORMING WORK.
- UNLESS OTHERWISE NOTED, EXISTING OUTLETS NOT SHOWN ON THIS PLAN, WITHIN AREAS OF WORK, ARE TO REMAIN - PROTECT AND MAINTAIN AS REQUIRED.
- CIRCUIT ALL NEW OUTLETS PER CIRCUITING NOTES. ALL OUTLETS (NEW AND EXISTING) SHALL BE LABELED WITH ITS SOURCE PANEL AND CIRCUIT NUMBER. SEE DEMOLITION PLAN FOR CIRCUIT TRACING SCOPE. PROVIDE AS-BUILT DRAWINGS SHOWING FINAL CIRCUIT NUMBERS OF ALL DEVICES AT COMPLETION OF WORK.
- OUTLET TYPE AND CIRCUITING REQUIREMENT FOR SPECIAL PURPOSE OFFICE EQUIPMENT WHERE SHOWN ARE FOR PRICING ONLY. COORDINATE EXACT REQUIREMENTS WITH CLIENT / ARCHITECT / EQUIPMENT MANUFACTURER.
- SEE LATEST HVAC DRAWINGS FOR HVAC EQUIPMENT LOCATIONS AND QUANTITIES. THIS INCLUDES EXISTING EQUIPMENT TO BE REMOVED OR RELOCATED AND NEW EQUIPMENT TO BE INSTALLED. PROVIDE NEW FEEDERS, BREAKERS, AND LOCAL DISCONNECTS AS REQUIRED PER POWER PLAN AND DETAILS.
- REFER TO ARCHITECTURAL DRAWING FOR EXACT LOCATION AND MOUNTING HEIGHTS OF ALL DEVICES AND OUTLETS.
- CIRCUIT NUMBERS ARE INDICATED FOR INTENT ONLY. THE ELECTRICAL CONTRACTOR SHALL ADJUST ACCORDINGLY IN THE FIELD TO BALANCE THE CIRCUITS EVENLY ON ALL PHASES.
- 3/4" SHALL BE THE MINIMUM CONDUIT INSTALLED.
- ALL VOICE AND DATA CABLING SHALL BE PROVIDED BY OTHERS. THIS ELECTRICAL CONTRACTOR IS ONLY RESPONSIBLE FOR PROVIDING CONDUIT AND BACKBOXES ASSOCIATED WITH VOICE AND DATA. REFER TO TELECOM DRAWINGS FOR ADDITIONAL ELECTRICAL REQUIREMENTS. SUBMIT BID ACCORDINGLY.

POWER PLAN KEY NOTES

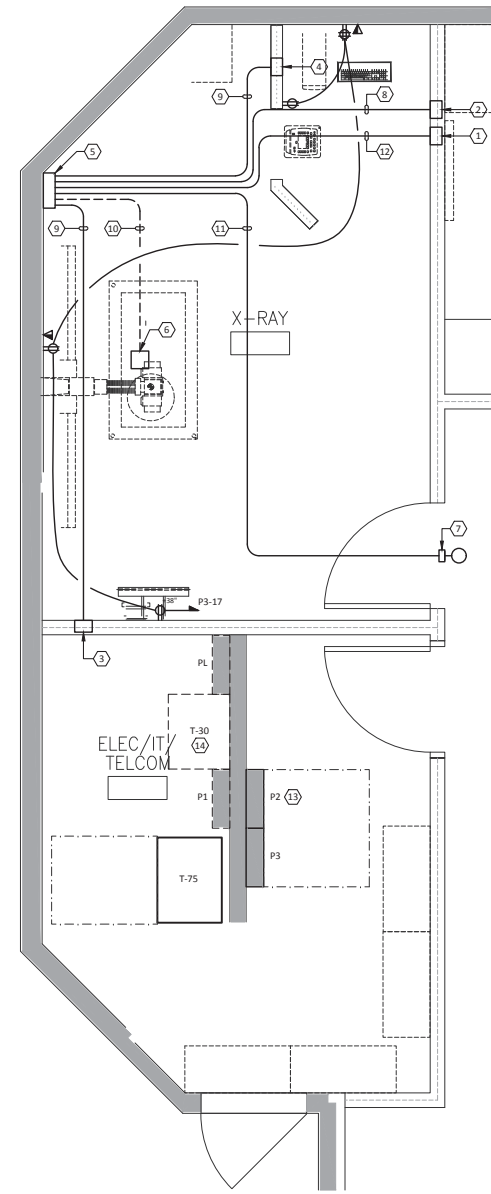
- PROVIDE POWER CONNECTION FOR AUTOMATIC FAUCET. CONNECT TO NEAREST RECEPTACLE CIRCUIT.
- EF-1: 3/4 HP, 277V, 1Ø. PROVIDE 277V, 2ØA, 1P MOTOR RATED TOGGLE DISCONNECT. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- EF-2: 1/4 HP, 120V, 1Ø. PROVIDE 120V, 2ØA, 1P MOTOR RATED TOGGLE DISCONNECT. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- EF-1 TO ACTIVATE UPON OCCUPANCY OF ANY RESTROOM. SEE LIGHTING PLAN ON SHEET E4.1 FOR ADDITIONAL INFORMATION.
- EF-3: 3/4 HP, 277V, 1Ø. PROVIDE 277V, 15A, 1P MOTOR RATED TOGGLE DISCONNECT. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
- PROVIDE FLUSH MOUNTED ONE-GANG STAMPED STEEL FLOOR BOX LEGRAND WIREMOLD CAT. # 88051. PROVIDE WITH (1) ONE-GANG NONMETALLIC CARPET FLANGE CAT. # 817PCC-BLK AND (1) NONMETALLIC DUPLEX COVER PLATE CAT. # 828PP-BLK. PROVIDE (1) 1" EMPTY CONDUIT BELOW SLAB TO NEAREST FULL HEIGHT WALL.
- EW-1: 12 kW, 480V, 3Ø. PROVIDE 600V, 3ØA, 3P N.F.S.S. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

TITLE 24 CONTROLLED RECEPTACLES EXEMPTION NOTE:
(REF: CEC 2016 TITLE 24 PART 6 SECTION 141.0.b.2.P.iv)
THE ELECTRICAL POWER DISTRIBUTION IS EXISTING.
THEREFORE CONTROLLED RECEPTACLES ARE EXEMPT FROM TITLE 24 REQUIREMENTS.

CONTRACTOR TO INCLUDE AN ALLOWANCE FOR 10 ADDITIONAL POWER OUTLETS, 10 ADDITIONAL DATA OUTLETS, AND 2 FLOOR OUTLETS.



1 ELECTRICAL - NEW WORK POWER PLAN
SCALE: 1/4" = 1'-0"



1 ELECTRICAL - X-RAY AND ELECTRICAL ROOM POWER PLAN
SCALE: 1/2" = 1'-0"

POWER GENERAL NOTES

1. FOR GENERAL NOTES AND SYMBOL LIST, SEE SHEET E0.1.
2. BEFORE BID SUBMISSION AND COMMENCING WORK, CONTRACTOR SHALL FIELD INSPECT SCOPE OF PROJECT, AND SUBMIT A REQUEST OF INFORMATION TO THE ENGINEER FOR ANY DISCREPANCIES OR INCOMPATIBILITIES FOUND BETWEEN DESIGN AND ACTUAL CONDITIONS.
3. ALL JUNCTION OR OUTLET BOXES SHALL BE INSTALLED SO AS TO ALLOW ACCESS TO COVER. PROVIDE ARCHITECT APPROVED ACCESS DOORS OR PLATES AS REQUIRED IN AREAS WHERE UNOBSTRUCTED ACCESS TO BOX OR OUTLET IS NOT POSSIBLE.
4. ALL BRANCH CIRCUIT WIRING SHALL BE ROUTED CONCEALED IN WALLS AND IN HUNG CEILING CAVITY, U.O.N. FINAL CONNECTIONS TO LIGHTING FIXTURES SHALL BE MADE WITH WIRING HAVING 90°C RATED INSULATION.
5. EQUIPMENT LOCATIONS, WHERE SHOWN, ARE APPROXIMATE. FIELD VERIFY AND REFER TO ARCHITECTURAL DRAWINGS FOR MORE DETAILED DIMENSIONS AND OTHER CONSTRUCTION RELATED INFORMATION.
6. ALL CIRCUITS TO COMPUTERS, LASER PRINTERS, COPIERS, FAX MACHINES AND ANY OTHER LOADS OF NON-LINEAR NATURE OUTLETS SHALL HAVE SEPARATE NEUTRAL WIRES. STANDARD SHARED NEUTRAL HOMERUNS ARE NOT PERMITTED.
7. PROVIDE TEMPORARY LIGHT AND POWER IN AREAS INDICATED WHERE PERMANENT LIGHTING IS BEING REMOVED.
8. EXISTING CONDUIT RISER AND PANEL LOCATIONS (WHERE SHOWN) ARE FOR INFORMATIONAL / REFERENCE PURPOSES.
9. WHEN TRANSITIONING EXISTING EQUIPMENT FROM TEMPORARY TO PERMANENT SOURCE, ELECTRICAL CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO SAFE-OFF ALL EXISTING DOWNSTREAM LOADS PRIOR TO RE-ENERGIZING ON NEW PERMANENT POWER. DOWNSTREAM LOADS SHALL BE RE-ENERGIZED ONE AT A TIME SO AS TO ISOLATE SHORT CIRCUITS. VERIFY PROPER CONNECTIONS, PHASE ROTATION, ETC. ELECTRICAL CONTRACTOR SHALL THOROUGHLY VERIFY AND UNDERSTAND EXISTING FIELD CONDITIONS AND PROJECT SCOPE. DEVELOP AND DOUBLE CHECK RESPECTIVE METHODS OF PROCEDURE (MOP) PRIOR TO PERFORMING WORK.
10. UNLESS NOTED OTHERWISE, EXISTING OUTLETS NOT SHOWN ON THIS PLAN, WITHIN AREAS OF WORK, ARE TO REMAIN - PROTECT AND MAINTAIN AS REQUIRED.
11. CIRCUIT ALL NEW OUTLETS PER CIRCUITING NOTES. ALL OUTLETS (NEW AND EXISTING) SHALL BE LABELED WITH ITS SOURCE PANEL AND CIRCUIT NUMBER. SEE DEMOLITION PLAN FOR CIRCUIT TRACING SCOPE. PROVIDE AS-BUILT DRAWINGS SHOWING FINAL CIRCUIT NUMBERS OF ALL DEVICES AT COMPLETION OF WORK.
12. OUTLET TYPE AND CIRCUITING REQUIREMENT FOR SPECIAL PURPOSE OFFICE EQUIPMENT WHERE SHOWN ARE FOR PRICING ONLY. COORDINATE EXACT REQUIREMENTS WITH CLIENT / ARCHITECT / EQUIPMENT MANUFACTURER.
13. SEE LATEST HVAC DRAWINGS FOR HVAC EQUIPMENT LOCATIONS AND QUANTITIES. THIS INCLUDES EXISTING EQUIPMENT TO BE REMOVED OR RELOCATED AND NEW EQUIPMENT TO BE INSTALLED. PROVIDE NEW FEEDERS, BREAKERS, AND LOCAL DISCONNECTS AS REQUIRED PER POWER PLAN AND DETAILS.
14. REFER TO ARCHITECTURAL DRAWING FOR EXACT LOCATION AND MOUNTING HEIGHTS OF ALL DEVICES AND OUTLETS.
15. CIRCUIT NUMBERS ARE INDICATED FOR INTENT ONLY. THE ELECTRICAL CONTRACTOR SHALL ADJUST ACCORDINGLY IN THE FIELD TO BALANCE THE CIRCUITS EVENLY ON ALL PHASES.
16. 3/4" SHALL BE THE MINIMUM CONDUIT INSTALLED.
17. ALL VOICE AND DATA CABLING SHALL BE PROVIDED BY OTHERS. THIS ELECTRICAL CONTRACTOR IS ONLY RESPONSIBLE FOR PROVIDING CONDUIT AND BACKBOXES ASSOCIATED WITH VOICE AND DATA. REFER TO TELECOM DRAWINGS FOR ADDITIONAL ELECTRICAL REQUIREMENTS. SUBMIT BID ACCORDINGLY.

POWER PLAN KEY NOTES

1. PROVIDE NEMA 1, 208V, SINGLE PHASE, FRONT OPERATED, CIRCUIT BREAKER ENCLOSURE WITH GROUND. ENCLOSURE SHALL CONTAIN ONE 150A, 208V, 2-POLE THERMOMAGNETIC CIRCUIT BREAKER WITH SHUNT TRIP DEVICE. FLUSH MOUNT ON WALL WHERE SHOWN. LOCATE ENCLOSURE CENTER LINE 5'-6" A.F.F. CONTRACTOR SHALL ENSURE THAT LUGS ARE LARGE ENOUGH TO FACILITATE OVERSIZED INCOMING CABLES REQUIRED BY X-RAY EQUIPMENT. REFER TO X-RAY WIRING REQUIREMENTS. COORDINATE EXACT LOCATION WITH X-RAY INSTALLER PRIOR TO ROUGH-IN.
2. PROVIDE NEMA 1, 125A, 208V, 8-SPACE, SINGLE PHASE, 3-WIRE, MLO, GENERAL PURPOSE, COMMERCIAL GRADE LOAD CENTER WITH NEUTRAL AND GROUND ACCESSORIES. ENCLOSURE SHALL CONTAIN THERMOMAGNETIC CIRCUIT BREAKERS WITH THE FOLLOWING RATINGS: ONE 15A, 1-POLE CIRCUIT BREAKER FOR TABLE. LOCATE CENTER LINE OF ENCLOSURE AT 5'-6" A.F.F. COORDINATE EXACT LOCATION WITH X-RAY INSTALLER PRIOR TO ROUGH-IN. BASIS OF DESIGN: SQUARE D Q0148L125GF.
3. CABLE ACCESS FOR WALL STAND. PROVIDE 6"x6"x4" DEEP JUNCTION BOX. FLUSH MOUNT AT WALL WHERE SHOWN. LOCATE CENTER LINE 30" A.F.F. AND PROVIDE REMOVABLE COVER. COORDINATE EXACT LOCATION WITH X-RAY INSTALLER PRIOR TO ROUGH-IN.
4. CABLE ACCESS FOR CONTROL CONSOLE. PROVIDE 6"x6"x4" DEEP JUNCTION BOX. FLUSH MOUNT AT WALL WHERE SHOWN. LOCATED CENTER LINE 12" A.F.F. AND PROVIDE REMOVABLE COVER. COORDINATE EXACT LOCATION WITH X-RAY INSTALLER PRIOR TO ROUGH-IN.
5. PROVIDE 12"x12"x4" DEEP JUNCTION BOX. SURFACE MOUNT AT WALL WHERE SHOWN. LOCATE CENTER LINE AT 24" A.F.F. AND PROVIDE REMOVABLE COVER. COORDINATE EXACT LOCATION WITH X-RAY INSTALLER PRIOR TO ROUGH-IN.
6. CABLE ACCESS FOR TABLE. PROVIDE 6"x6"x4" DEEP FLUSH FLOOR MOUNTED JUNCTION BOX IN FLOOR WHERE SHOWN. PROVIDE WITH BLANK LIQUID TIGHT COVER PLATE. COORDINATE EXACT LOCATION WITH X-RAY INSTALLER PRIOR TO ROUGH-IN.
7. PROVIDE 4"x4"x2" DEEP JUNCTION BOX FOR "X-RAY IN USE" WARNING SIGN. FLUSH MOUNT IN WALL ABOVE DOOR. COORDINATE EXACT LOCATION WITH X-RAY INSTALLER PRIOR TO ROUGH-IN.
8. PROVIDE (2) #10 + (1) #10 NEUTRAL + (1) #12 GROUND IN 3/4". CONTRACTOR SHALL TERMINATE CONDUCTORS AT THE CIRCUIT BREAKER AND AT THE EQUIPMENT. COORDINATE EXACT TERMINATIONS WITH X-RAY INSTALLER PRIOR TO ROUGH-IN.
9. PROVIDE (1) 1" EMPTY CONDUIT WITH PULL STRINGS. CONDUIT LENGTH SHALL NOT EXCEED 35'-0".
10. PROVIDE (1) 1-1/2" EMPTY CONDUIT WITH PULL STRING AND (1) 1-1/2" CONDUIT FOR POWER CONNECTION TO X-RAY BELOW SLAB.
11. PROVIDE (1) 3/4" FOR "X-RAY IN USE" POWER.
12. PROVIDE (1) 1-1/2" CONDUIT WITH (3) #1/0 + (1) #6 GROUND FOR X-RAY GENERATOR POWER. TERMINATE CONDUCTORS AT X-RAY DISCONNECT AND LEAVE 10'-0" TAIL AT FLOOR BOX UNDER X-RAY.
13. NEW LOCATION FOR EXISTING PANEL P2.
14. EXISTING TRANSFORMER SUSPENDED ABOVE FLOOR.

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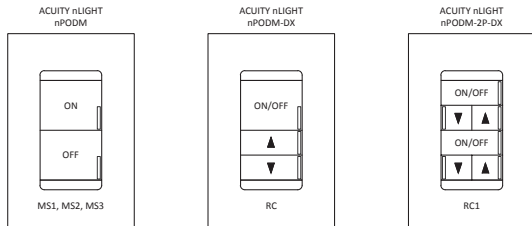
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SHEET
E5.1



TIME CLOCK CONTROLLED ZONES			
CONTROL ZONE	GROUP DESCRIPTION	AUTOMATION SCENARIO	DATA
ALL	US HEALTH TENANT SPACE	X SCHEDULE ON/OFF MANUAL ON/SCHEDULE OFF	OCCUPIED MON-FRI (TIME SCHEDULE PER OWNER) SAT,SUN (TIME SCHEDULE PER OWNER)
TIME CLOCK CONTROL NOTES			
1. COORDINATE DAILY TIME SCHEDULE WITH OWNER.			
2. SWITCH MS1, MS2, MS3 WILL ALLOW FOR A 2-HOUR OVERRIDE.			



3 LIGHTING CONTROL SWITCHES
SCALE: NONE

NOTE:
CONTRACTOR SHALL ENGAGE ACUTY nLIGHT TO PROVIDE FULL LIGHTING CONTROL SYSTEM COMPONENTS. DRAWINGS ARE DIAGRAMMATIC ONLY AND ARE INTENDED TO SHOW CONTROL SEQUENCE OF OPERATION ONLY.

LIGHTING CONTROL DEVICE SCHEDULE								
OCCUPANCY SENSORS								
SYMBOL TYPE	MANUFACTURER MODEL/SERIES	EQUIVALENT MANUFACTURER	DEVICE DESCRIPTION	COVERAGE (W X D)	ON MODE	TIME DELAY	VOLTAGE	NOTES
OS	ACUTY nLIGHT nWSX PDT LV	N/A	WALL MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR.	PIR MAJOR 36" Ø PIR MINOR 20" Ø ULT MAJOR 36" Ø ULT MINOR 20" Ø	AUTO	15 MIN	24V	-
OS1	ACUTY nLIGHT nWSX PDT LV DX	N/A	WALL MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR WITH ON/OFF AND RAISE/LOWER	PIR MAJOR 36" Ø PIR MINOR 20" Ø ULT MAJOR 36" Ø ULT MINOR 20" Ø	MANUAL	15 MIN	24V	-
OS	ACUTY nLIGHT nCM PDT 9	N/A	CEILING MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR. SMALL MOTION.	PIR MAJOR 12" Ø PIR MINOR 6" Ø ULT MAJOR 12" Ø ULT MINOR 6" Ø	AUTO	20 MIN	24V	-
OS	ACUTY nLIGHT nCM PDT 10	N/A	CEILING MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR. LARGE MOTION.	PIR MAJOR 28" Ø PIR MINOR 14" Ø ULT MAJOR 28" Ø ULT MINOR 14" Ø	AUTO	20 MIN	24V	-
DAYLIGHTING DEVICES								
SYMBOL TYPE	MANUFACTURER MODEL/SERIES	EQUIVALENT MANUFACTURER	DEVICE DESCRIPTION	USE	SETPPOINT	VOLTAGE	NOTES	
DP	ACUTY nLIGHT nPP160	N/A	RELAY PACK WITH 0-10V DIMMING OUTPUT	-	-	120/277V 24V	-	
DP	ACUTY nLIGHT nPP16	N/A	RELAY PACK - AUTO OFF / AUTO ON CONTROL	-	-	120/277V 24V	-	
DP	ACUTY nLIGHT nPP160 SA	N/A	RELAY PACK WITH 0-10V DIMMING OUTPUT - AUTO OFF / MANUAL ON CONTROL	-	-	120/277V 24V	-	
DP	ACUTY nLIGHT nPP160	N/A	RELAY PACK WITH 0-10V DIMMING OUTPUT. LIGHTING IN CORRIDOR AREA TO 50% WHEN UNOCCUPIED PER TITLE 24 REQUIREMENTS.	-	-	120/277V 24V	-	
DS	ACUTY nLIGHT nCM ADXC DZ	N/A	AUTOMATIC DIMMING CONTROL PHOTOCELL	DAYLIGHT HARVESTING	30 FC @ 30° AFF	24V	1.3	
WALL DIMMING SWITCHES								
SYMBOL TYPE	MANUFACTURER MODEL/SERIES	EQUIVALENT MANUFACTURER	DEVICE DESCRIPTION	LOAD TYPE	WATTAGE	VOLTAGE	NOTES	
MS1	ACUTY nLIGHT nPDDM	N/A	LOW VOLTAGE DIGITAL WALL SWITCH FOR MASTER OVERRIDE.	LED		24V	2	
RC	ACUTY nLIGHT nPDD-DX	N/A	LOW VOLTAGE DIGITAL ON/OFF, RAISE/LOWER	LED		24V	2	
RC1	ACUTY nLIGHT nPDDM-2P-DX	N/A	LOW VOLTAGE DIGITAL ZONE CONTROL SWITCH FOR CONTROL OF TWO ZONES AND RAISE/LOWER CONTROL OF ZONES	LED		24V	2	
RC2	ACUTY nLIGHT nPDDM-4P-DX	N/A	LOW VOLTAGE DIGITAL ZONE CONTROL SWITCH FOR CONTROL OF FOUR ZONES AND RAISE/LOWER CONTROL OF ZONES	LED		24V	2	

GENERAL NOTES:

- A OCCUPANCY SENSOR LAYOUT BASED ON ACUTY COVERAGE PATTERNS. ADJUST QUANTITIES AND LOCATIONS FOR EQUIVALENT MANUFACTURERS LISTED.
- B SHOP DRAWINGS FOR LIGHTING CONTROL DEVICES THAT ARE INTENDED FOR USE AS A LIGHTING CONTROL SYSTEM SHALL INCLUDE PROJECT SPECIFIC LIGHTING CONTROL SCHEMATICS AND SCHEDULES. ALSO, AT ENGINEERS REQUEST, PROVIDE A SCALED EQUIPMENT PLAN FOR REVIEW OF EQUIPMENT LOCATIONS WITHIN PROJECT SPACE.
- C OCCUPANCY SENSOR SHOP DRAWINGS SHALL INCLUDE LIGHTING PLANS SHOWING LOCATION, MOUNTING HEIGHT, ORIENTATION AND COVERAGE AREAS FOR EACH OCCUPANCY SENSOR. ALSO INCLUDE ON PLANS OTHER CEILING MOUNTED SYSTEMS SHOWING COORDINATION WITH CEILING DEVICES INCLUDING BUT NOT LIMITED TO HVAC SUPPLY AND RETURN DEVICES, SPRINKLERS, AND LIGHT FIXTURES.
- D PROVIDE ALL OCCUPANCY SENSORS BY THE SAME MANUFACTURER.
- E VERIFY COLOR(S) FOR ALL WALL AND CEILING MOUNTED LIGHTING CONTROL DEVICES WITH THE ARCHITECT.
- F PROVIDE COPIES OF OPERATION INSTRUCTIONS FOR ALL DEVICES TO OWNER.
- G ALL WALL SWITCH AND CEILING SENSORS SHALL HAVE AN ADJUSTABLE TIME DELAY RANGE OF 0-30 MIN, UNLESS OTHERWISE NOTED.
- H DO NOT INSTALL LINE VOLTAGE SENSORS ON GFCI PROTECTED CIRCUITS.
- I LIGHTING CONTROLS PRICING SHALL BE COMPLETELY SEPARATE OF ANY LIGHT FIXTURE PRICING. ANY LIGHTING CONTROLS PRICING THAT IS SUBMITTED WITH LIGHT FIXTURE PRICING (UNIT OR MINI-LOT) WILL BE IMMEDIATELY REJECTED IN ITS ENTIRETY.
- J INSTALL WALL BOX DIMMERS TO ACHIEVE FULL RATING SPECIFIED AND INDICATED AFTER DE-RATING FOR GANGING AS INSTRUCTED BY MANUFACTURER.
- K CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING COMPATIBILITY OF ALL LIGHTING CONTROL DEVICES IN THIS SCHEDULE THAT ARE INTENDED TO OPERATE TOGETHER
- L PROVIDE A NEUTRAL CONDUCTOR TO ALL WALL BOX DIMMERS. DO NOT SHARE NEUTRAL CONDUCTOR ON LOAD SIDE OF DIMMER.

SCHEDULED NOTES:

- 1. FOR SELECTED DAYLIGHT SENSOR, CONFIRM FINAL LOCATION AND INSTALLATION PER MANUFACTURER'S RECOMMENDATIONS. INCLUDE MANUFACTURER'S RECOMMENDED LOCATION WITH SUBMITTALS FOR REVIEW.
- 2. MOMENTARY SWITCH SHALL BE COMPATIBLE WITH ITS CONNECTED LIGHTING CONTROL DEVICE (I.E., OCCUPANCY SENSOR, RELAY PANEL, ETC.)
- 3. LIGHT LEVEL SETPOINT REPRESENTS AVERAGE MEASURED VALUE AT HORIZONTAL TASK PLANE WITHIN DAYLIT ZONE AND DOES NOT NECESSARILY REFLECT VALUE MEASURED AT THE SENSOR ITSELF. DURING STARTUP, COMMISSION DAYLIGHT SENSOR AND LIGHTING CONTROLLER TO ADJUST LIGHTS ON/OFF AND RAISE/LOWER TO SATISFY INDICATED SETPOINT.

LIGHTING CONTROLS - GENERAL NOTES

- LIGHTING CONTROL DIAGRAM IS DIAGRAMMATIC AND REPRESENTS THE GENERAL SCOPE OF WORK AND THE LOCATION OF DEVICES IN RELATION TO EACH OTHER ALONG THE POWER CIRCUIT. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH SELECTED MANUFACTURER. PROVIDE ALL PARTS AND PIECES REQUIRED FOR A FULLY FUNCTIONAL SYSTEM.
- LIGHTING CONTROL SYSTEM INCLUDING, BUT NOT LIMITED TO INTEGRAL TIME CLOCK, RELAYS, AND DIGITAL LIGHTING CONTROL SWITCHES. PROVIDE SHOP DRAWINGS FOR APPROVAL PRIOR TO PURCHASE.
- INTEGRAL TIME CLOCK SHALL BE ASTRONOMIC AND PROGRAMMABLE WITH 365 DAY AND HOLIDAY SCHEDULING AND 24 HOUR BATTERY BACK-UP. RELAYS SHALL BE MECHANICALLY HELD, SINGLE POLE, 20A RATED, NORMALLY CLOSED CONTACTS. LIGHTING CONTROL SYSTEM SHALL COMPLY WITH ALL LOCAL AND STATE ENERGY CODES.
- CIRCUITING SHOWN ON THE PLAN CORRESPONDS TO THE LIGHTING CONTROL SCHEME. IF CIRCUITING IS CHANGED IN THE FIELD, ENSURE THAT SYSTEM PROGRAMMING WITH REVISED CIRCUITRY MEETS THE ORIGINAL LIGHTING CONTROL SCHEME. UPDATE RELAY PANEL SCHEDULES IN RECORD DRAWINGS.
- COORDINATE WITH OWNER AND LANDLORD FOR PROGRAMMABLE TIME CLOCK SCHEDULES. PROVIDE THE GENERAL CONTRACTOR WITH OPERATIONS MANUAL AFTER JOB IS COMPLETE. A COPY OF THE RECORD DRAWINGS AND RELAY SCHEDULE WITH ANY FIELD CONDITION CHANGES IDENTIFIED SHALL BE LEFT IN THE DOOR OF THE PANEL.

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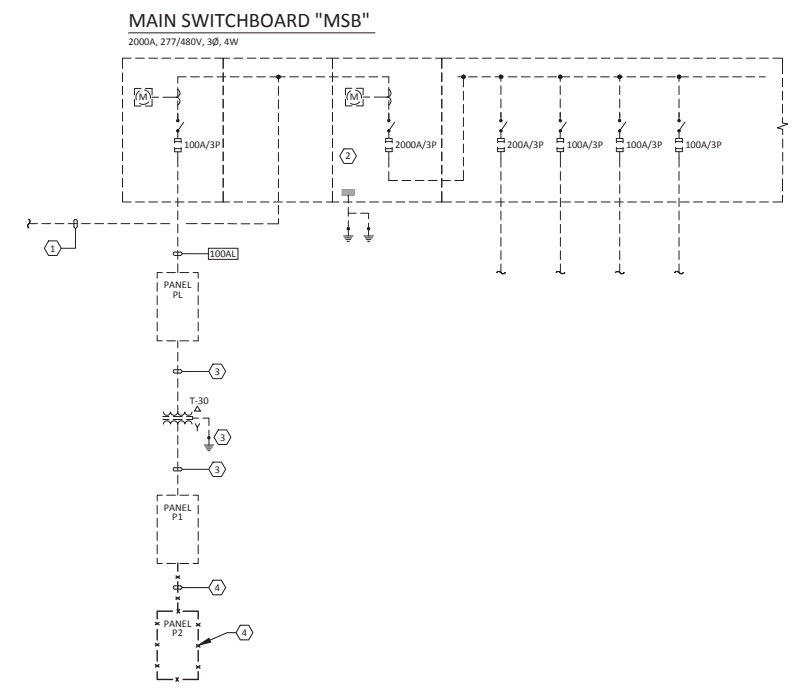
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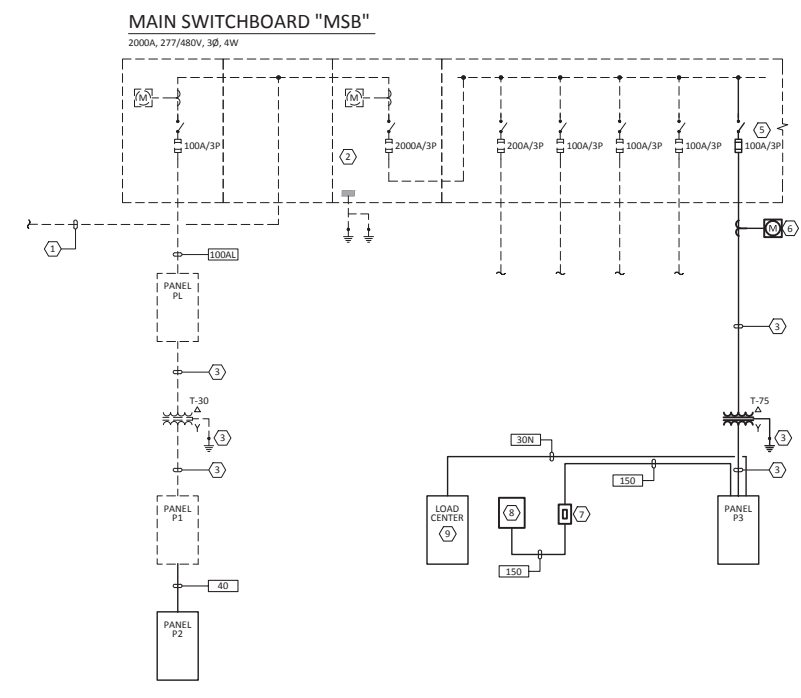
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1 ELECTRICAL - EXISTING PARTIAL ONE-LINE DIAGRAM - DEMO WORK
SCALE: NONE



2 ELECTRICAL - EXISTING PARTIAL ONE-LINE DIAGRAM - NEW WORK
SCALE: NONE

ONE LINE DIAGRAM GENERAL NOTES

- FOR GENERAL NOTES AND SYMBOL LIST SEE SHEET ED.1.
- RISER IS STRICTLY DIAGRAMATIC. FIELD VERIFY EXACT LOCATIONS, AND NECESSARY HARDWARE FOR REQUIRED OPERATION.
- SEE PANEL SCHEDULES FOR FEEDER AND PROTECTIVE DEVICE RATINGS WHERE THIS INFORMATION IS NOT SHOWN ON THE RISER.
- COORDINATE ALL POWER SHUTDOWNS WITH BUILDING MANAGEMENT, TENANT, AND ALL AFFECTED TRADES.
- ALL FEEDER TAPS SHALL MEET CODE REQUIREMENTS.
- CONTRACTOR SHALL USE PROPERLY LISTED COPPER TO ALUMINUM SPICE AND TERMINATION CONNECTIONS AND CORROSION INHIBITORS FOR ALL COPPER TO ALUMINUM CONNECTIONS OR SPLICES.

ONE LINE DIAGRAM KEY NOTES

- EXISTING FEEDER FROM PG&E TRANSFORMER.
- EXISTING SERVICE ENTRANCE TAP TO REMAIN.
- SEE TRANSFORMER SCHEDULE ON THIS SHEET.
- RELOCATE EXISTING PANEL "P2" AND ASSOCIATED FEEDER. SEE DETAIL 2 ON THIS SHEET FOR NEW WORK AND SHEET ES.1 FOR ADDITIONAL INFORMATION.
- PROVIDE SWITCH AND FUSE UNIT IN EXISTING PREPARED SPACE. MATCH EXISTING SQUARE D SWITCH AND FUSE UNIT.
- PROVIDE E-MON D-MON CLASS 2000 3Φ SUBMETER MODEL #E20-480100-J-D-KIT. INSTALL WITH INLINE FUSES PER MANUFACTURERS INSTALLATION INSTRUCTIONS. COORDINATE MOUNTING LOCATION WITH BUILDING OWNER.
- X-RAY DISCONNECT. SEE SHEET ES.1 FOR MORE INFORMATION.
- X-RAY MACHINE. SEE SHEET ES.1 FOR MORE INFORMATION.
- SINGLE PHASE LOAD CENTER IN X-RAY ROOM. SEE SHEET ES.1 FOR MORE INFORMATION.

TYPICAL SYMBOL ANNOTATIONS AND LINE TYPES

SYMBOL	DESCRIPTION
---	NEW EQUIPMENT OR WIRING
- - - - -	EXISTING EQUIPMENT OR WIRING TO REMAIN
-x-x-x-x-	DEMOLITION EQUIPMENT OR WIRING TO REMAIN

TRANSFORMER SCHEDULE

ID	KVA (SIZE)	PRIMARY OCPD AMP	PRIMARY OCPD POLES	PRIMARY VOLTAGE	PRIMARY FEEDER SIZE	SECONDARY OCPD AMP	SECONDARY OCPD POLES	SECONDARY VOLTAGE	SECONDARY FEEDER SIZE	GROUNDING ELECTRODE SIZE
T-30	30	50	3	480V	50N	100	3	120Y/208V	100	#6
T-75	75	100	3	480V	100N	250	3	120Y/208V	250	#2

FEEDER SCHEDULE - COPPER

FEEDER ID	AMPS	SETS	CONDUCTORS	GROUND CONDUCTORS	RACEWAY SIZE	NEC FEEDER RATING
30N	30	1	(3) #10	(1) #10	3/4"	35
50N	50	1	(3) #8	(1) #10	3/4"	50
100N	100	1	(3) #3	(1) #8	1-1/4"	100
40	40	1	(4) #8	(1) #10	3/4"	50
100	100	1	(4) #3	(1) #8	1-1/4"	100
150	150	1	(4) #1/0	(1) #6	2"	150
250	250	1	(4) 250 kcmil	(1) #4	2-1/2"	255

FEEDER SCHEDULE - ALUMINUM

FEEDER ID	AMPS	SETS	CONDUCTORS	GROUND CONDUCTORS	RACEWAY SIZE	NEC FEEDER RATING
100AL	100	1	(3) #1	(1) #2	2"	100

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ELECTRICAL - PARTIAL ONE-LINE DIAGRAMS

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