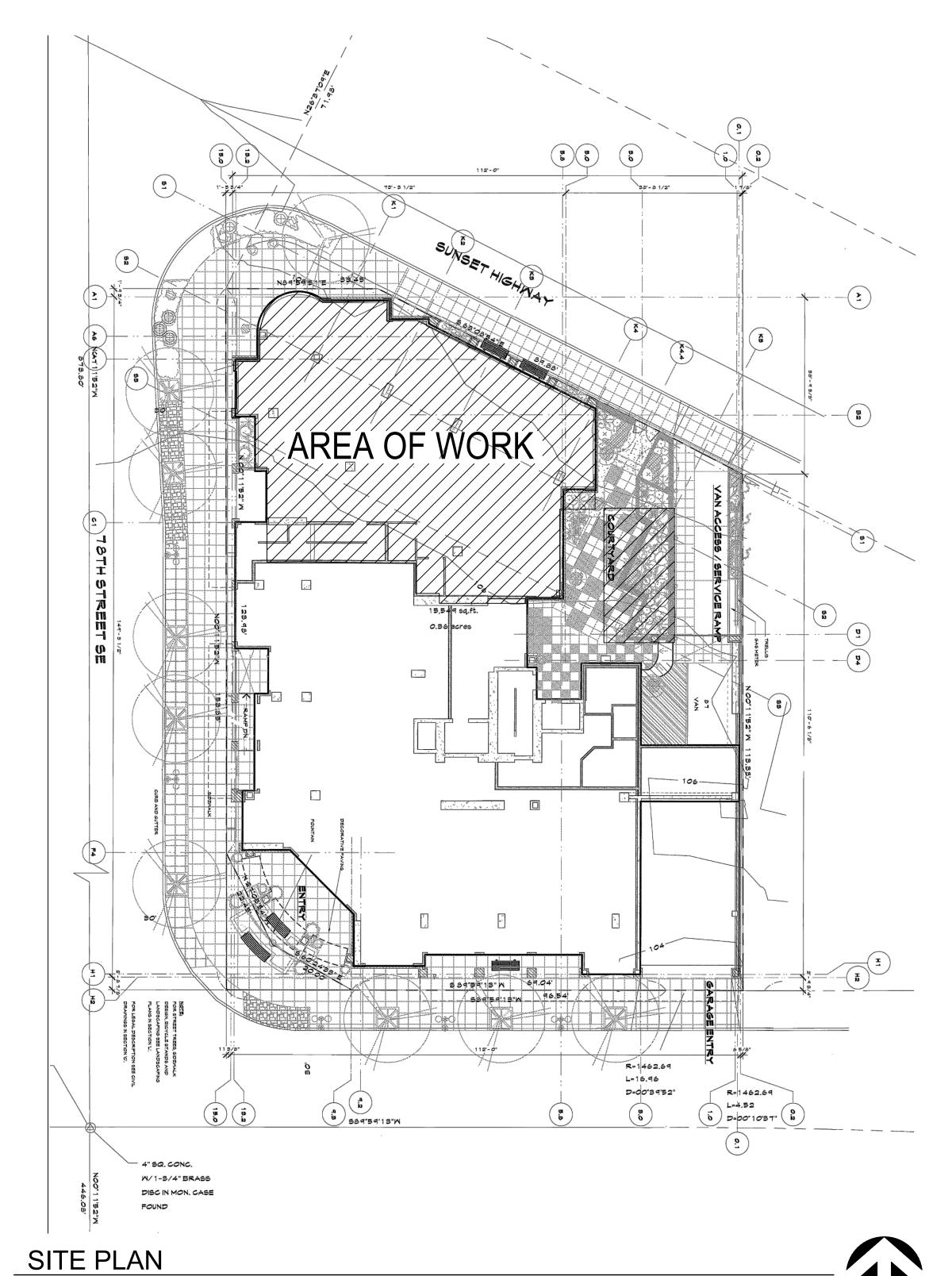
7800 Plaza - SUITE CU100

SCALE: NTS



WORK UNDER SEPARATE PERMITS:

FIRE ALARM SYSTEM

FIRE SPRINKLER SYSTEM

- DOCUMENTS FOR WORK UNDER SEPARATE PERMITS OR DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL IN CHARGE (ARCHITECT/ENGINEER
- OF RECORD) FOR REVIEW PRIOR TO SUBMITTAL TO THE BUILDING OFFICIAL. NO WORK SHALL PROCEED UNTIL THE DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL AND PERMIT OBTAINED.

SEE SHEET I-0.1 FOR DRAWING SHEET INDEX

PROJECT DESCRIPTION:

3,497 SF TENANT IMPROVEMENT OF EXISTING SUITE CW100 ON THE GROUND FLOOR TO INCLUDE CLINIC AND AMBULATORY SURGICAL FACILITY WITH ONE CLASS 'C' AND ONE CLASS 'B' OPERATING ROOMS AND SUPPORT AREAS, MODIFICATIONS TO EXTERIOR STOREFRONT FOR NEW EXIT DOOR AND NEW MECHANICAL ROOM LOCATED ON P1. EXTERIOR MODIFICATIONS INCLUDE NEW 17 SF MED GAS CLOSET AND NEW EMERGENCY GENERATOR.

CODE

NEW AMBULATORY SURGICAL FACILITY LICENSED UNDER WAS (246-330)

NON-CMS CATEGORY 1 MEDICAL GAS & ELECTRICAL SYSTEMS

CODE INFORMATION:

PROJECT ADDRESS: 7800 PLAZA CONDOMINIUM 7800 SE 27TH AVENUE SUITE NUMBER: CU100 MERCER ISLAND, WA 98040

CONSTRUCTION TYPE: CONST-III-A FULLY SPRINKLERED

ZONE:

OCCUPANCY: CLASS B

TENANT SQUARE FOOTAGE: (AREA OF WORK) 3,496 SF

APPLICABLE EDITIONS OF BUILDING CODES: 2018 INTERNATIONAL BUILDING CODE (IBC), CODE WAC 51-50

2018 INTERNATIONAL EXISTING BUILDING CODE BUILDING 301.3.2 WORK AREA COMPLIANCE METHOD 2018 INTERNATIONAL FIRE CODE (IFC), WAC 51-54A, INCLUDING APPENDIX B & C

ENERGY CODE 2018 WASHINGTON STATE ENERGY CODE (WSEC), WAC 51-11

2018 INTERNATIONAL MECHANICAL CODE (IMC), WAC 51-52 2020 NATIONAL ELECTRICAL CODE (NEC) (NFPA 70), 2020 WASHINGTON CITIES ELECTRICAL CODE WITH APPLICABLE RCW 19.28 & WAC

2018 UNIFORM PLUMBING CODE (UPC), WAC 51-56 & 51-57 INCL. APPENDICES A, B, AND

ACCESSIBILITY ICC/ANSI A117.1-2009 ACCESSIBLE AND USABLE BUILDING AND FACILITIES 2006 FGI GUIDELINES FOR DESIGN & CONSTRUCTION OF HEALTHCARE FACILITIES 3.1-OUTPATIENT FACILITIES, 3.7-OUTPATIENT

SURGICAL FACILITIES, AND 3.8-OFFICE

SURGICAL FACILITIES

ZONING CODE CITY OF MERCER ISLAND

PER CITY OF MERCER ISLAND MUNICIPAL CODE 19.11.130 (ORD. 16C-06 (EXH. A). HEALTHCARE, OFFICE USES SHALL PROVIDE 4-5 PARKING SPACES PER 1000 GROSS

 SPRINKLERS COMPLYING WITH NFPA 13 AND FIRE ALARM SYSTEM ARE REQUIRED FOR THIS WORK PURSUANT TO IBC.

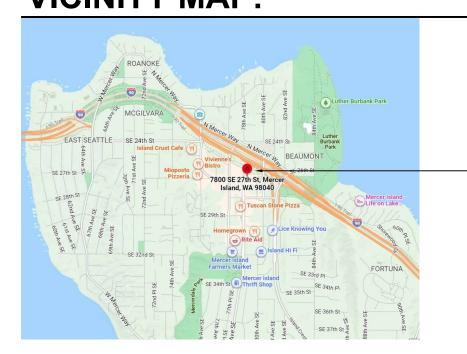
LEGAL DESCRIPTION:

TAX PARCEL #: 76984-40000

PARKING REQUIREMENTS:

THE WEST 113.50 FEET, IN WIDTH, OF LOT 1, AND THE WEST 113.50 FEET IN WIDTH OF THAT PORTION OF LOT 2, BLOCK 1, MCGILVRA'S ISLAND ADDITION, ACCORDING TO THE PLAT THEREOF, RECORDED IN VOLUME 16 OF PLATS, PAGE 58, IN KING COUNTY, WASHINGTON, LYING NORTHERLY OF THE NORTH MARGIN OF NORTH MERCER WAY, AS ESTABLISHED BY DEED RECORDED UNDER RECORDING NUMBER 2561652;

VICINITY MAP:



PROJECT TEAM:

ASF CONSULTANT

SURGERY CENTER SERVICES 2942 N, GREENFIELD RD. #105

MESA, AZ 85215 480-354-5046

PHILIP BLAIR Philip@surgerycenterservices.com Matt Krause

SPRINKLER DESIGN

Mkrause@surgerycenterservices.com

COSCO FIRE PROTECTION 4308 SOUTH 131ST PLACE TUKWILA, WA 98168 206-438-3360

www.coscofire.com

FIRE ALARM

COSCO FIRE PROTECTION 4308 SOUTH 131ST PLACE

TUKWILA, WA 98168 206-438-3360

www.coscofire.com

PLUMBING - MED GAS:

ROBINSON ENGINEERING INC. 19401 40TH AVENUE W, SUITE 302 LYNNWOOD, WA 98036 (206) 364-3343 X131

WWW.ROBINSONENGINEERING.com

HVAC CONSULTANT

AIR SYSTEMS ENGINEERING INC. 3602 S. PINE ST.

TACOMA, WA 98409 253-572-9484

NICK ROLLINS nickr@asei.ws

SEATTLE, WA 98119 206-216-4500

1601 FIFTH AVENUE

SUITE 1600 SEATTLE, WA 98101

gus.shryack@kpff.com

(206) 622-5822

GUS SHRYACK

DR. AJ AMADI, MD FACS 1503 2ND AVENUE W.

TENANT:

STRUCTURAL ENGINEER:

REED JACKSON P.E.

LANDSCAPE DESIGN:

DESIGN TWO FOUR/TWO SIX 14835 161ST COÚRT SE RENTON, WA 98059 (425) 641-9200

> JASON ANDERSON jasona@design2426.com

ARCHITECT:

JPC ARCHITECTS, LLC 909 112TH AVE NE SUITE 206 BELLEVUE, WA 98004 (425) 641-9200

ERIKA DEHLE - EXT. 315 erikad@jpcarchitects.com CHRISTINE BENDA - EXT. 308 christineb@jpcarchitects.com

GENERAL CONTRACTOR:

HIGHMARK GENERAL CONTRACTORS, INC. 5122 OLYMPIC DRIVE GIG HARBOR, WA 98335

PROJECT SITE

LIC. NO. HIGHMGC8370F Danny Belcher danny.belcher@highmark-gc.com

Jim Newman jim.newman@highmark-gc.com

ELECTRICAL DESIGN:

CROSS ENGINEERING INC. 923 martin luther king jr. way tacoma, WA 98405 (253) 759-0118

SCOTT KELLEY ScottL@crossengineers.com

Amadi Aesthetics

Plastic Surgery Floor 1

7800 SE 27th Street Mercer Island, WA 98040

> **DESIGN** DRAWN ED/RB CHECKED CB 22-0394



06.15.23 PERMIT SET

URISDICTION STAMP

COVERSHEET & SITE PLAN

I-0.0

ARCH DRAWING INDEX

COVERSHEET & SITE PLAN 1-0.0I-0.1 DRAWING SHEET INDEX 1-0.2GENERAL NOTES & SYMBOLS, LICENSE PLAN & RESTRICTION PLAN 1-0.3GENERAL REQUIREMENTS & NOTES I-CS-0 CODE SUMMARY I-CS-1 EXIT PLAN DEMOLITION NOTES AND LEGEND I-01.0 1-01.1DEMOLITION PLAN 1-02.0DIMENSION PLAN NOTES AND LEGEND 1-02.1DIMENSION PLAN 1-03.0FLOOR PLAN NOTES AND LEGEND FLOOR PLAN FLOOR PLAN VAC. RM. AND COURTYARD RCP LIGHTING NOTES AND LEGEND REFLECTED CEILING PLAN POWER, PLUMBING AND EQUIPMENT NOTES AND LEGEND POWER, PLUMBING AND EQUIPMENT PLAN INTERIOR ELEVATIONS CONSTRUCTION DETAILS CEILING DETAILS CASEWORK DETAILS UL LISTING WALL TYPES FIRESTOPPING DETAILS DOOR SCHEDULE DOOR ELEVATIONS & DETAILS

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DETAILS

STRUCTURAL CALCULATIONS

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DEMOLITION PLAN/LAYOUT PLAN PLANTING PLAN DETAILS

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TITLE COVERSHEET

PARTIAL PLAN FIRST FLOOR TENANT IMPROVEMENT PARTIAL PLAN EXISTING GARAGE AND CALCULATIONS

ELECTRICAL DRAWING INDEX:

ELECTRICAL SYMBOLS LEGEND LIGHT FIXTURE SCHEDULE LIGHTING FLOOR PLAN POWER/SIGNAL FLOOR PLAN PARTIAL ELECTRICAL FLOOR PLANS EXISTING/NEW POWER RISER DIAGRAM PG. 1-3 LIGHTING COMPLIANCE FORMS

PLUMBING DRAWING INDEX:

Sheet Number Sheet Title GENERAL NOTES, DRAWING INDEX SCHEDULES LEVEL G1 PLAN LEVEL 1 PLAN LEVEL 2 PLAN LEVEL 3 PLAN LEVEL 4 PLAN LEVEL 5 PLAN ROOF PLAN ENLARGED COURTYARD PLAN LEVEL G1 SUPPLY PLAN LEVEL 1 SUPPLY PLAN SUPPLY PIPING DIAGRAM LEVEL G1 DWV PLAN LEVEL 1 DWV PLAN DWV PIPING DIAGRAM LEVEL G1 MEDGAS PLAN LEVEL 1 MEDGAS PLAN MEDGAS PIPING DIAGRAMS

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Amadi Aesthetics

Plastic Surgery Floor 1

7800 SE 27th Street Mercer Island, WA 98040

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JURISDICTION STAMP

DRAWING SHEET **INDEX**

I-0.1

RESTRICTION PLAN

SCALE: NTS

ABBREVIATIONS: GENERAL NOTES:

ACOUSTICAL CEILING TILE

APPROXIMATE

BUILDING

BLOCK

BLOCKING

BUILT UP

CABINET

CEILING

COLUMN

CONCRETE

CONSTRUCTION

CONTINUOUS

CERAMIC TILE

DEMOLITION

DIMENSION

DRINKING FOUNTAIN DIAMETER

CORRIDOR

CARPET

CENTER

DFTAII

DOOR

EACH

FI EVATION

ELECTRICAL

ELEVATOR

EQUIPMENT

ESTIMATE

EXISTING

EXPANSION

FACTORY FINISH

FULL HEIGHT

FLUORESCENT

FURNISH BY OWNER

FACE OF STUD(S) FACE OF CONCRÉTE

FACE OF FINISH

FURRED/FURRING

GLASS/GLAZING

HOLLOW CORE

HANDICAPPED

HOLLOW METAL

HEATING VENTILATING

AIR CONDITIONING

HORIZONTAL HOUR

INSULATION

HEADER

HEIGHT

JOINT

KITCHEN

LAVATORÝ

MAXIMUM

METAL

LEFT HAND

MECHANICAL

MEZZANINE

MOUNTED

MULLION

NORTH

MANUFACTURE(R)

MISCELLANEOUS

NOT IN CONTRAC

OUTSIDE DIAMETER OPPOSITE HAND

PLASTIC LAMINAT

NOT TO SCALE

ON CENTER

OPENING

PANEL

PARTITION

RADIUS RESILIENT BASE

REFERENCE

REFRIGERATOR

REINFORCING REQUIRED

REVISION

RIGHT HAND ROOM

SOLID CORE

SEALANT

SECTION

SHEET

SIMII AR

SQUARE STAINLESS STEEL

STORAGE

STRUCTURAL

SUSPENDED

TELEPHONE

TEMPERED TENANT FURNISHED

THICK(NESS)

THRESHOLD

TELEVISION

UNFINISHED

TYPICAL

VENEER VERTICAL

VESTIBULE

WEST/WIDE

WITH

WOOD WITHOUT

WEIGHT

VCT

VEN VERT VESTI

& TENANT INSTALLED

UNLESS NOTED OTHERWISE

VINYL COMPOSITION TILE

VINYL WALL COVERING

SPECIFICATION

ROUGH OPENING

PAIR

HARDWARE

GENERAL CONTRACTOR

GYPSUM WALL BOARD

FOOT/FFFT

INSTALL BY CONTRACTOR

FLOOR

FIRE EXTINGUISHER CABINET

EQUAL

DRAWING DRAWER

CLEAR(ANCE

BUILDING STANDARD

AUTHORITIES HAVING JURISDICTION ALTERNATE

REFER TO BASIC BUILDING SPECIFICATIONS, REQUIREMENTS AND STANDARDS FOR EXISTING SHELL AND CORE CONSTRUCTION. ALL WORK IS TO BE COMPATIBLE WITH EXISTING

ALL WORK SHALL CONFORM TO APPLICABLE CURRENT FEDERAL, STATE AND LOCAL CODES. THE CONTRACTOR IS TO PROVIDE FOR ALL REQUIRED NOTIFICATION OF AND COORDINATION WITH CITY AND STATE AGENCIES, AND PROVIDE REQUIRED PERMITS. ALL TESTS AND INSPECTIONS ASSOCIATED WITH OBTAINING APPROVALS TO PROCEED WITH AND COMPLETE THE WORK SHALL BE PAID FOR BY THE CONTRACTOR.

THE INTENT OF THE CONTRACT DOCUMENTS IS TO INCLUDE ALL LABOR AND MATERIALS. EQUIPMENT AND TRANSPORTATION NECESSARY OR REASONABLY INFERABLE AS BEING NECESSARY FOR THE EXECUTION OF THE WORK. BY SUBMITTING A PROPOSAL, THE CONTRACTOR REPRESENTS THAT THOROUGH EXAMINATION OF THE SITE AND ALL EXISTING CONDITIONS AND LIMITATIONS HAVE BEEN MADE AND THAT THE CONTRACT DOCUMENTS HAVE BEEN EXAMINED IN COMPLETE DETAIL, AND THAT IT IS DETERMINED BEYOND DOUBT THAT THE DRAWINGS, SPECIFICATIONS AND EXISTING CONDITIONS ARE SUFFICIENT, ADEQUATE AND SATISFACTORY FOR CONSTRUCTION OF THE WORK. WHERE MINOR ADJUSTMENTS TO THE WORK ARE NECESSARY FOR THE PURPOSES OF FABRICATION AND INSTALLATION OF ITEMS, OR RESOLUTIONS OF CONFLICTS BETWEEN ITEMS, WITHIN THE INTENT OF THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL MAKE SUCH ADJUSTMENTS AT NO ADDED EXPENSE TO THE OWNER. WHERE SUCH MINOR ADJUSTMENTS AFFECT FUNCTIONAL OR AESTHETIC DESIGN OF THE WORK, THEY SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL.

- THE CONTRACTOR SHALL COORDINATE ALL OPERATIONS WITH THE OWNER, INCLUDING AREA FOR WORK, MATERIALS STORAGE, AND ACCESS TO AND FROM THE WORK, SPECIAL CONDITIONS OR NOISY WORK, TIMING OF WORK AND INTERRUPTION OF MECHANICAL AND ELECTRICAL SERVICES. NOISY OR DISRUPTIVE WORK SHALL BE SCHEDULED AT LEAST ONE (1) WEEK IN ADVANCE OF THE TIME WORK IS TO COMMENCE.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HIGHEST STANDARD OF WORKMANSHIP IN GENERAL AND WITH SUCH STANDARDS AS ARE SPECIFIED.
- CONTRACTOR SHALL ADHERE TO ALL BUILDING STANDARDS. ANY CHANGES TO SAME SHALL BE SUBMITTED TO ARCHITECT IN WRITING FOR APPROVAL.
- CONTRACTOR SHALL SUBMIT SAMPLES OF ALL FINISHES OF SUCH SIZE AND NUMBER THAT THEY REPRESENT A REASONABLE DISTRIBUTION OF COLOR RANGES AND PATTERN PRIOR TO INSTALLATION FOR ARCHITECT'S APPROVAL. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND PRODUCT DATA FOR ARCHITECT'S APPROVAL ON ALL SPECIAL ITEMS REQUIRING CUSTOM FABRICATION. (SHALL INCLUDE RATED FIRE DOORS AND HARDWARE).
- CONTRACTOR IS TO VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE AND NOTIFY ARCHITECT OF ANY DISCREPANCIES. CONTRACTOR IS NOT TO SCALE OFF DRAWINGS.
- CONTRACTOR SHALL PROVIDE 18-GAUGE SHEET METAL BACKING IN PARTITIONS FOR ALL WALL-MOUNTED FIXTURES AND DEVICES UNLESS INDICATED OTHERWISE ON THE DRAWINGS.
- ALL FLOORS SHOULD BE LEVEL AND NOT VARY MORE THAN 1/4" IN 10'-0". THE CONTRACTOR SHALL NOTIFY ARCHITECT OF ANY CONDITIONS THAT DO NOT MEET THIS STANDARD.
- ALL MATERIALS INDICATED TO MATCH EXISTING SHALL DO SO WITH RESPECT TO SIZE, SHAPE, COLOR, TEXTURE, PATTERN, QUALITY AND METHOD OF INSTALLATION INSOFAR AS PRACTICABLE AND SHALL BE APPROVED BY THE ARCHITECT BEFORE USE.
- 12. ALL FIREPROOFING DISTURBED DURING CONSTRUCTION SHALL BE REPLACED TO MATCH ORIGINAL FIRE PROTECTION LEVELS. (OBTAIN REQUIRED APPROVALS AND TESTING).
- THE FLOORS MAY BE OCCUPIED DURING CONSTRUCTION. THE CONTRACTOR SHALL PROTECT ALI PERSONNEL, PASSERSBY OR VISITORS TO THE SITE FROM HARM AND INJURY. BARRIERS SHALL BE INSTALLED AS REQUIRED TO PROTECT EQUIPMENT INSTALLED DURING CONSTRUCTION. CAREFULLY MAINTAIN AND PROTECT MONUMENTS, BENCH MARKS AND THEIR REFERENCE POINT FROM BEING DESTROYED OR DISTURBED; REPLACE AS REQUIRED.
- EXISTING WORK DAMAGED AS A RESULT OF WORK DONE UNDER THIS CONTRACT SHALL BE REPAIRED TO ORIGINAL CONDITION AND FINISHED TO MATCH ADJACENT FINISHES, SUBJECT TO ARCHITECT'S APPROVAL, AND AT NO ADDITIONAL COST TO OWNER. ALL REPLACEMENT MATERIALS REQUIRED TO MATCH EXISTING MATERIALS SHALL DO SO WITH RESPECT TO TYPE, PATTERN, TEXTURE, SIZE, SHAPE, COLOR AND METHOD OF INSTALLATION INSOFAR AS PRACTICABLE, AND SHALL BE APPROVED BY THE ARCHITECT AND OWNER PRIOR TO INSTALLATION.
- ALL EXISTING MECHANICAL AND ELECTRICAL EQUIPMENT AND SERVICES DISRUPTED OR REMOVED DURING CONSTRUCTION SHALL BE RESTORED AND REPLACED UNLESS NOTED OTHERWISE. FIRE/LIFE SAFETY SYSTEMS TO BE MAINTAINED DURING CONSTRUCTION.
- INSTALLATION OF MECHANICAL, ELECTRICAL AND STRUCTURAL SYSTEMS WILL REQUIRE OPENING OF SOME EXISTING WALLS, CEILINGS OR FLOOR CAVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OF THESE OPENINGS TO MATCH EXISTING, EXCEPT WHERE NOTED OTHERWISE. FILL ALL HOLES AND VOIDS IN FLOORS, WALLS AND CEILINGS WHICH RESULT FROM INSTALLATION OF WORK, AND REMOVAL OF EXISTING MATERIALS AND EQUIPMENT REQUIRED BY THIS CONTRACT. PATCHED AREAS SHALL MATCH THE MATERIALS, FINISHES, AND LEVELS ADJACENT, OR SHALL BE PUT IN THE PROPER CONDITION TO RECEIVE THE FINISH INDICATED.
- OPENINGS REQUIRED FOR NEW WORK THAT PENETRATES EXISTING STRUCTURE SHALL BE COORDINATED WITH OWNER PRIOR TO COMMENCING THE WORK. ANY OPENING OVER 2" IN DIAMETER SHALL BE REVIEWED AND APPROVED BY OWNER. THROUGH CONCRETE SLABS OR WALLS, OR MASONRY WALLS, ALL ROUND HOLES SHALL BE CORE DRILLED WITH A DIAMOND DRILL AND ALL RECTANGULAR OPENINGS SHALL BE CUT WITH A DIAMOND SAW. IN NO CASE SHALL ANY STRUCTURAL MEMBER BE CUT. USE CARBIDE-TIPPED DRILLS FOR GYPSUM WALLBOARD PARTITIONS. KEEP OVERCUTTING TO A MINIMUM. MAINTAIN CONTINUITY AND INTEGRITY OF FIRE SEPARATION AT ALL TIMES. GROUT AROUND CONDUITS PASSING THROUGH CONCRETE WALLS AND FLOORS AND MASONRY WALLS. MAKE PATCHES WITH NEAT, TRIMMED EDGES; MATCH ADJACENT EXISTING WORK.
- CONTRACTOR SHALL PROVIDE FLOOR LEVELING AS MAY BE REQUIRED AT SLIDING DOORS, RELITES WITHOUT BASE, CABINET WORK, AND OTHER LOCATIONS REQUIRING LEVEL SUBSTRATE. FEATHER CHANGES IN ELEVATION OVER SUFFICIENT AREA TO LIMIT TRANSITION SLOPE TO 1/8"
- MATERIALS, ARTICLES, DEVICES AND PRODUCTS ARE SPECIFIED IN THE DOCUMENTS BY LISTING ACCEPTABLE MANUFACTURERS OR PRODUCTS, BY REQUIRING COMPLIANCE WITH REFERENCED STANDARDS, OR BY PERFORMANCE SPECIFICATIONS. FOR ITEMS SPECIFIED BY NAME, SELECT ANY PRODUCT NAMED. FOR THOSE SPECIFIED BY REFERENCE STANDARDS OR BY PERFORMANCE SPECIFICATIONS SELECT ANY PRODUCT MEETING OR EXCEEDING SPECIFIED CRITERIA. FOR APPROVAL OF AN ITEM NOT SPECIFIED, SUBMIT REQUIRED SUBMITTALS, PROVIDING COMPLETE BACK-UP INFORMATION FOR PURPOSES OF EVALUATION. WHERE BUILDING STANDARD ITEMS ARE CALLED FOR, NO SUBSTITUTE WILL BE ACCEPTED.
- CONTRACTOR SHALL PROVIDE FOR ALL WORK REQUIRED TO MAINTAIN COMPLIANCE WITH LOCAL FIRE CODE. PROVIDE FOR ALL REQUIRED SHOP DRAWINGS AND APPROVALS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING FIRE ALARM SYSTEM AUDIBILITY.
- MECHANICAL AND ELECTRICAL FIXTURES, OUTLETS, ETC., WHEN SHOWN ON THE ARCHITECTURAL DRAWINGS, ARE FOR LOCATION INFORMATION ONLY. MECHANICAL AND ELECTRICAL TO BE DESIGNED BY OTHERS. ALL CIRCUITING COORDINATION TO BE BY OTHERS.
- CONTRACTOR IS TO PROVIDE DRAWINGS FOR ARCHITECT'S APPROVAL SHOWING LOCATIONS OF ALL HVAC THERMOSTATS, GRILLES AND DIFFUSERS, FIRE AND SMOKE DETECTION DEVICES INCLUDING SPRINKLERS, SMOKE DETECTORS, FIRE EXTINGUISHERS AND HOSE CABINETS, PLUMBING AND PLUMBING EQUIPMENT.
- ANY CHANGE IN LIGHT FIXTURE PLACEMENT DUE TO INTERFERENCE OF MECHANICAL OR STRUCTURAL COMPONENTS MUST BE APPROVED BY THE ARCHITECT.
- 24. ALL PERMITS INCLUDING FIRE, MECHANICAL, AND ELECTRICAL TO BE FILED SEPARATELY.

- 25. ALL GYPSUM BOARD PARTITIONS SHALL BE TAPED, SPACKLED AND SANDED SMOOTH WITH NO VISIBLE JOINTS TO A LEVEL 4 FINISH UNLESS OTHERWISE NOTED. PATCH AND REPAIR SURFACES TO MATCH ADJACENT OR ADJOINING SURFACES WHERE REQUIRED. ALL SURFACES SHALL BE
- 6. MODIFY EXISTING SUBSTRATE AS REQUIRED TO RECEIVE NEW FLOORING MATERIALS, THUS PREVENTING NOTICEABLE LUMPS OR DEPRESSIONS.
- 27. ALL WORK SHALL BE ERECTED AND INSTALLED PLUMB, LEVEL, SQUARE AND TRUE.
- 28 . REFER TO MILLWORK SHOP DRAWINGS FOR SPECIFIC DETAILS OF COORDINATION BETWEEN DRYWALL/MILLWORK CONDITIONS.
- ALL MILLWORK TO BE FASTENED TO THE PARTITION. PROVIDE NON-COMBUSTIBLE BLOCKING FOR ALL MILLWORK NOT SUPPORTED BY FLOOR OR ABOVE 4'-0" HT. ALL CONCEALED LUMBER & BLOCKING TO BE FIRE TREATED.
- 30. ALL GLASS SHALL BE CLEAR TEMPERED GLASS, UNLESS OTHERWISE NOTED. GLAZING TONG MARKS SHALL NOT BE VISIBLE. CLEAN AND POLISH ALL GLASS PRIOR TO PROJECT DELIVERY.
- 31. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR: HVAC, CARPET SEAMING, LIGHTING, CASEWORK.
- 32. MOISTURE TEST REQUIRED FOR ALL ON GRADE SLAB CONDITIONS DURING THE CONSTRUCTION ESTIMATING/BUDGETING PROCESS THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING FROM THE BUILDING OWNER DOCUMENTATION AS TO THE VAPOR EMISSIONS RATE (MOISTURE TEST) FOR ALL "ON GRADE SLAB CONDITIONS". THIS INFORMATION SHOULD THEN BE IMMEDIATELY SHARED BETWEEN THE ARCHITECT, THE ARCHITECTS' SELECTED FLOORING REPRESENTATIVE(S), AND FLOORING SUB-CONTRACTOR FOR REVIEW AND APPROVAL OF APPLICABLE MATERIALS AND ANCILLARY INSTALLATION/FINISH PRODUCTS. IF NO MOISTURE TEST CAN BE FURNISHED OR IF FINDING ARE IN QUESTION THE GENERAL CONTRACTOR SHALL PERFORM THE FOLLOWING TESTS:
- A. PROVIDE (3) CALCIUM CHLORIDE MOISTURE TESTS FOR THE FIRST THOUSAND SQUARE FEET AND (1 TEST FOR EVERY ONE THOUSAND SQUARE FEET THEREAFTER AT ALL FLOORS WITHIN SCOPE OF WORK. THE CALCIUM CHLORIDE TEST SHALL BE CONDUCTED IN ACCORDANCE WITH THE LATEST EDITION OF ASTM F 1869 "STANDARD TEST METHOD" FOR MEASURING VAPOR EMISSIONS RATE OF CONCRETE SUN-FLOOR USING ANHYDROUS CALCIUM CHLORIDE. PROVIDE A WRITTEN REPORT OF FINDINGS TO THE ARCHITECT AS NOTED ABOVE.
- B. PROVIDE A PH PENCIL TEST AT ALL FLOORS WITHIN SCOPE OF WORK. PROVIDE A WRITTEN REPORT OF FINDINGS TO THE ARCHITECT AS NOTED ABOVE.

IF REQUIRED BY THE CALCIUM CHLORIDE TEST, A WATERPROOF MEMBRANE SHALL BE APPLIED TO ALL FLOORS WITHIN THE SCOPE OF WORK. THE WATERPROOF MEMBRANE(S) SHALL BE APPROPRIATED FOR EACH FINISH FLOORING APPLICATION AS SPECIFIED BY THE SPECIFIC FLOORING MANUFACTURER VIA THE ARCHITECT. A LICENSED INSTALLER SHALL BE UTILIZED FOR INSTALLATION/APPLICATION OF EACH SPECIFIC MEMBRANE (AS APPLICABLE TO THE FINISH FLOORING PRODUCT) AND A WRITTEN WARRANTY SHALL BE PROVIDED DOCUMENTING STRICT CONFORMANCE TO THE SPECIFIED MANUFACTURES INSTALLATION REQUIREMENTS TO ENSURE AND UPHOLD ALL PERFORMANCE AND LIFE CYCLE GUARANTEES.

33. CONCRETE SLAB ON GRADE REPAIR - MINOR SCOPE (100 SQUARE FEET OR LESS)

WHERE CONCRETE SLAB ON GRADE INFILL AND TRENCHING MUST OCCUR; CONDUCT THE APPROPRIATE UNDER SLAB INVESTIGATION (VIA SONO-GRAPH AND/OR X-RAY) TO LOCATE EXISTING UTILITIES OR OTHER OBSTRUCTIONS THAT SHOULD NOT BE DAMAGED. SAW CUT SLAB AT SUBJECT AREA(S) AND PULL BACK THE EXISTING VAPOR BARRIER (IF PRESENT) AND PROTECT FOR FUTURE RE-INSTALLATION. EXECUTE THE NECESSARY UNDER SLAB WORK (INCLUDING EXCAVATION), BACKFILL AND RE-COMPACT THE SUBJECT AREA WITH THE PREVIOUSLY HELD MATERIALS (IF THE EXCAVATED MATERIALS ARE NOT SUITABLE FOR RE-INSTALLATION, DISCARD AND PROVIDE NEW FREE DRAINING GRANULAR MATERIAL). RE-COMPACT FILL SOIL TO AT LEAST 95% OF THE MAXIMUM DRY DENSITY (MDD) OBTAINED IN GENERAL ACCORDANCE WITH THE ASTM D 1557 TEST PROCEDURE. RE-INSTALL THE EXISTING VAPOR BARRIER AND BIND SEAMS WITH MINIMUM 3" WIDE PRESSURE SENSITIVE TAPE TO ENSURE AN AIR/MOISTURE RESISTANT BOND. ATTACH NEW INFILL TO EXISTING CONCRETE SLAB WITH 18 INCH LONG #4 REBAR AT 24 INCHES ON CENTER EMBEDDED 8 INCHES INTO THE EXISTING CONCRETE SLAB WITH HILTI HIT-HY-200 ADHESIVE (OR SIMPSON SET ADHESIVE). REINFORCEMENT SHALL BE INSTALLED PER ADHESIVE MANUFACTURER'S RECOMMENDATIONS. PROVIDE W2 X W2 X 6 X 6 WELDED WIRE FABRIC WITHIN SUBJECT AREA(S), INFILL SLAB TO MATCH THICKNESS OF ADJACENT SURFACE(S) (BUT NOT BE LESS THAN FOUR INCHES THICK) AND #4 DOWELS SHALL BE CENTERED IN SLAB. THE CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI WITH A MAXIMUM WATER CEMENT RATION OF 0.58 AND IS TO BE PLACED LEVEL WITH ADJACENT SURFACES. LET CURE AND PROVIDE MOISTURE TESTING AS SPECIFIED ABOVE.

IF SCOPE OF WORK INCLUDES STRUCTURAL ELEVATED SLABS CONSULT A STRUCTURAL ENGINEER. REFER TO STRUCTURAL PLANS, IF APPLICABLE, FOR ADDITIONAL SPECIFICATIONS AND

- 34. CLEAN, REPAIR ANY EXISTING PERIMETER WINDOW COVERINGS AS REQUIRED TO BE IN A FULLY FUNCTIONING & OPERATIONAL MANNER.
- 35. COORDINATE WITH SUB-CONTRACTORS THE LOCATIONS OF ELECTRICAL AND VOICE/DATA OUTLETS, PLUMBING AND OTHER DEVICES WITH LAYOUT AND DESIGN OF CUSTOM CASEWORK.
- CASEWORK SHALL CONFORM TO A.W.I. CURRENT STANDARDS.
- EGRESS LIGHTING SHALL BE DESIGNED BY A LICENSED ELECTRICAL ENGINEER BASED ON FINAL FLOOR PLAN(S) AND THE MOST CURRENT (IN FORCE) ISSUE OF THE IBC, IEC AND LOCAL CODES/ORDINANCES. THE ENGINEER MAY USE THE ARCHITECTS EGRESS MAPS (COMMON PATH OF TRAVEL/EXIT TRAVEL DISTANCE) AS STARTING POINT FOR A BASIS OF DESIGN. HOWEVER, IT SHALL REMAIN THE SOLE RESPONSIBILITY OF THE ENGINEER TO COMPLETE A SCOPE OF WORK THAT ADDRESSES ALL EGRESS LIGHTING I.E.; ROOMS, SPECIALIZED SPACES, PATHWAYS, ETC. PER THE AFOREMENTIONED CODES. FINAL EGRESS LIGHTING QUANTITIES AND LOCATIONS SHALL BE DETERMINED BY BUILDING AND FIRE INSPECTOR'S FIELD PLACEMENT DETERMINATION.
- ALL WALL AND CEILING PENETRATIONS NEED TO BE CAULKED FOR A TIGHT SEAL PER FGI

Amadi Aesthetics

Plastic Surgery

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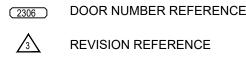
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GENERAL NOTE & SYMBOLS, LICENSE PLAN & **RESTRICTION PLAN**

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SYMBOL LEGEND:

2306 ROOM NUMBER REFERENCE



REVISION REFERENCE



INTERIOR ELEVATION SYMBOL

REFERENCE KEY (REFER TO SHEET/KEY NOTES)

DETAIL REFERENCE BUBBLE

JOB NORTH

ADA FRONT APPROACH, PUSH SIDE CLEARANCE PER ICC/ANSI A117.1

*12" MIN WITH CLOSER AND LATCH

ADA FRONT APPROACH, PULL SIDE CLEARANCE PER ICC/ANSI

ADA HINGE APPROACH, PUSH SIDE CLEARANCE PER ICC/ANSI

**12" MIN WITH CLOSER AND

ADA LATCH APPROACH, PUSH

SIDE CLEARANCE PER ICC/ANSI

*48" MIN WITH CLOSER AND LATCH

ADA LATCH APPROACH, PULL SIDE

CLEARANCE PER ICC/ANSI A117.1

*54" MIN WITH CLOSER AND LATCH

ADA FRONT APPROACH, SLIDING DOOR CLEARANCE PER ICC/ANSI

ADA POCKET APPROACH, SLIDING

A117.1 SECTION 404

DOOR CLEARANCE PER

TYPICAL DOOR APPROACH CLEARANCES

ICC/ANSI A117.1 SECTION 404

*48" MIN WITH CLOSER AND LATCH

A117.1 SECTION 404

A117.1 SECTION 404

A117.1 SECTION 404

SECTION 404

LATCH

SECTION 404

48"MIN

22"MIN

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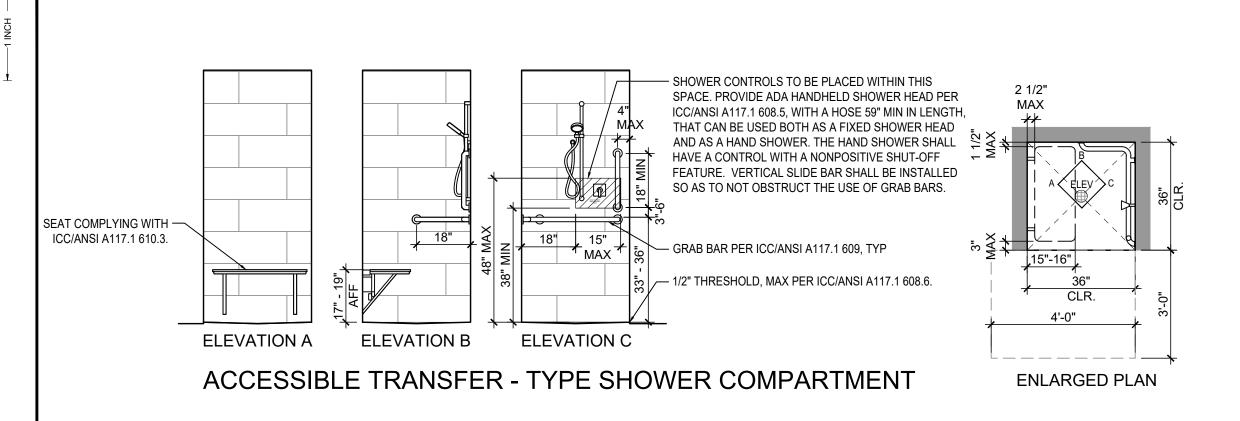
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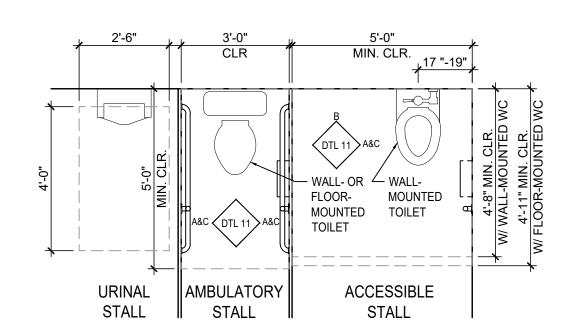
GENERAL REQUIREMENTS & NOTES

I-0.3

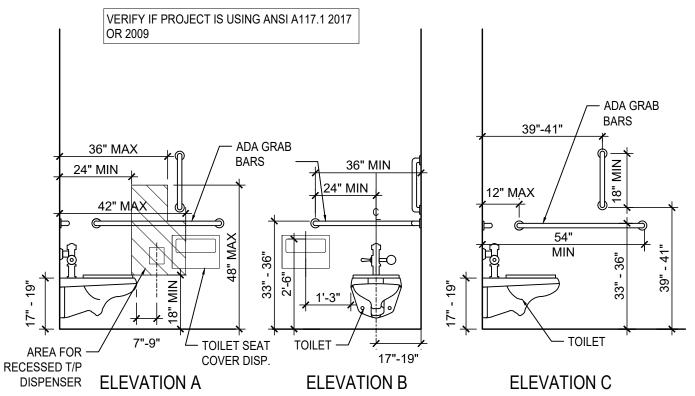
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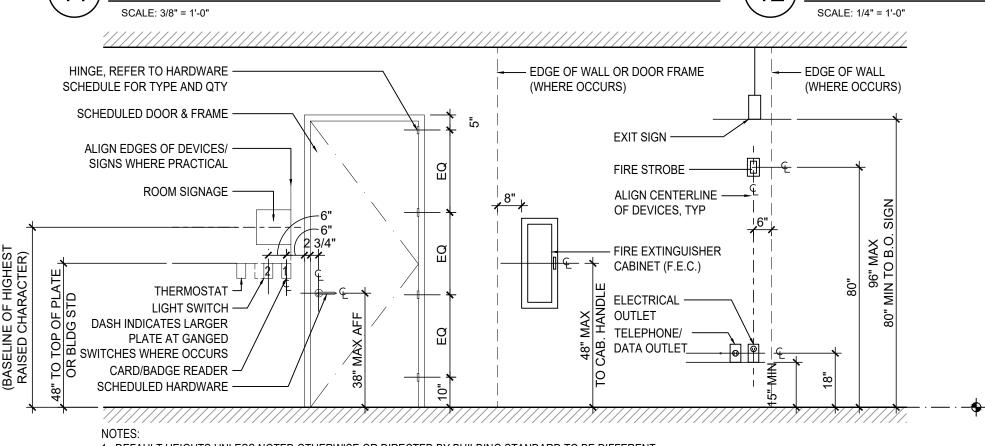
TYPICAL SHOWER PLAN AND ELEVATION - TRANSFER-TYPE SCALE: 3/8" = 1'-0"



TYPICAL TOILET COMPARTMENT CLEARANCES SCALE: 3/8" = 1'-0"

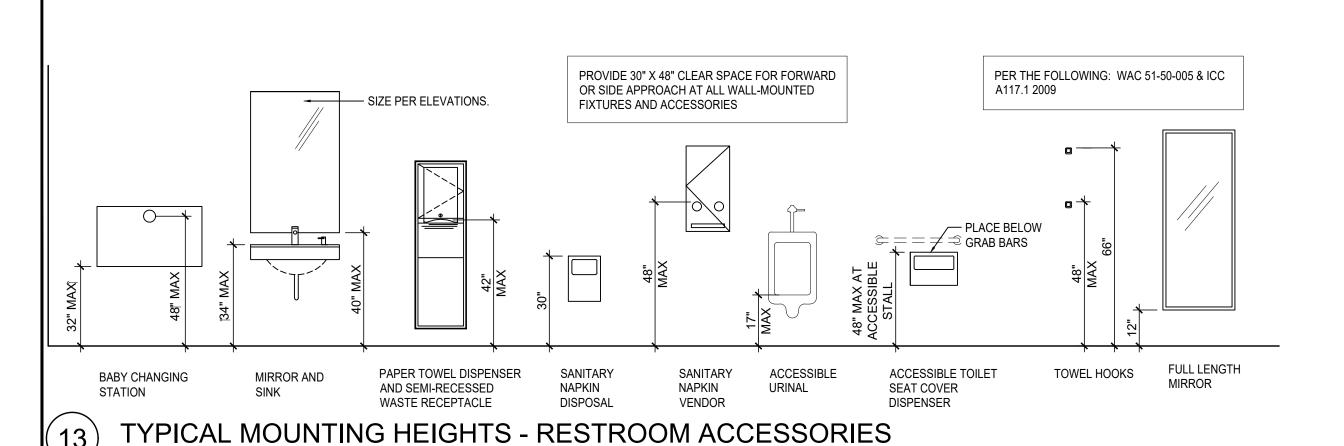


TYPICAL MOUNTING HEIGHTS - TOILET



1. DEFAULT HEIGHTS UNLESS NOTED OTHERWISE OR DIRECTED BY BUILDING STANDARD TO BE DIFFERENT 2. TYP. 4'-0" TO HIGHEST PORTION OF ANY OPERABLE PART OF EQUIPMENT (A117.1 309) 3. DEVICES TO BE PLACED STARTING IN POSITION 1. WHERE SCHEDULED, CARDREADER TO BE PLACED IN POSITION 1.

TYPICAL MOUNTING HEIGHTS - DEVICES AND EQUIPMENT



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

Code Calculations:

COMMON PATH OF EGRESS TRAVEL _ - ___ EXIT ACCESS TRAVEL DISTANCE

XX OCCUPANT LOAD THROUGH OPENING

EXIT PROTECTED EXIT -----ROOM USE

RM NAME 101 - ROOM NUMBER B 200 SF ROOM AREA 1:150 1.3 OL OCCUPANT LOAD OCCUPANT LOAD FACTOR

EXIT SIGN F.E.C. FIRE EXTINGUISHER

CR— CARD READER → FIRE-RATED WALLS DIAMOND QUANTITY INDICATES HOURLY RATING.

Exit Plan Key Notes:

- (1) CLEAR FLOOR SPACE (30"X48") AT SINK PER ICC/ANSI A117.1-2009,
- $\langle \overline{2} \rangle$ ALL NEW BUILT-IN COUNTERS REQUIRED TO BE ACCESSIBLE ARE +34" HIGH PER ICC/ANSI A117.1-2009 SECTION 902.4.
- $\overline{3}$ ADA TRANSACTION SURFACE AT +36" AFF MAXIMUM FOR PARALLEL APPROACH PER ICC-ANSI A117.1-2009 SECTION 904.3.1.
- $\langle 4
 angle$ minimum 60" diameter unobstructed turning space. Permitted to INCLUDE KNEE AND TOE CLEARANCE; PER ICC/ANSI 117.1-2009 SECTION 603.2 EXCEPTION #2 TO COMPLY WITH SECTION 304.3.1 AND 306.
- $\langle 5 \rangle$ 30" X 48" CLEAR SPACE FOR REFRIGERATOR PER ICC-ANSI A117.1, SECTION 804.5.6.
- $\langle 6
 angle$ staff emergency security door lock override button at check-in |DESK IN ORDER TO LOCK SUITE ENTRY DOORS. DOORS TO REMAIN FREE EGRESS AT ALL TIMES ON PUSH/EXIT SIDE OF DOOR.
- riangle one-hour rated medical gas closet asfo8 constructed to comply WITH 2018 IBC 427.2.1 FOR A ONE-HOUR EXTERIOR ROOM AND 2018 IFC 5306.2 WITH AUTOMATIC FIRE SPRINKLER HEAD IN ROOM, AND 2018 IMC 502.8.2. FIRE SPRINKLER UNDER A SEPARATE PERMIT.

- REQUIRED EGRESS WIDTH: 1.1. BUILDING IS FULLY SPRINKLERED (W/ QR HEADS) AND HAS EMERGENCY ALARM SYSTEM, THERÈFORE, PER IBC 1005.3.1 &
- 1005.3.2 EXCEPTION: 1.2. STAIRS: 0.2"/OCCUPANT
- OTHER COMPONENTS: 0.15"/OCCUPANT
- EGRESS WIDTHS REQUIRED PER IBC 1005.3.1 & 1005.3.2: STAIRS: 0.3"/OCCUPANT
- 1.6. OTHER COMPONENTS: 0.2"/OCCUPANT

(3) EXITS HAVE BEEN PROVIDED.

Code Notes:

- MAXIMUM OCCUPANT LOAD LIMITED BY STAIRWAYS: 43" (TOTAL STAIR WIDTH) / 0.3 = 143 MAXIMUM OCCUPANTS
- MAXIMUM OCCUPANT LOAD LIMITED BY OTHER EGRESS COMPONENTS: 36" (TOTAL WIDTH) / 0.2 = 180 MAXIMUM OCCUPANTS
- 4. (2) MINIMUM EXITS REQUIRED PER IBC 1006.2.1/1006.3.2.
- "COMMON PATH OF EGRESS TRAVEL" FOR B OCCUPANCY TO BE
- 100'-0" OR LESS AS ALLOWED PER IBC TABLE 1006.2.1.
- 6. "EXIT ACCESS TRAVEL DISTANCE" FOR B OCCUPANCY TO BE 300'-0" THROUGHOUT BLDG, AS ALLOWED PER IBC TABLE 1017.2. 6.1. EXIT TRAVEL DISTANCE SHALL BE MEASURED TO EXIT DISCHARGE OR EXIT STAIR, BUT CONTINUE DOWN A EXIT ACCESS STAIR.
- 7. DEAD-END CORRIDORS TO BE LESS THAN 50'-0" PER IBC 1020.4.

- MEANS OF EGRESS ILLUMINATION: THE MEANS OF EGRESS (EXIT PATHWAY) AND THE EXIT DISCHARGE DOOR SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING IS OCCUPIED AT AN ILLUMINATION LEVEL NOT LESS THAN 1-FOOT CANDLE (10 LUX) AT THE WALKING SURFACE LEVEL PER IBC 1008. LIGHTING MUST BE PROVIDED WITH EMERGENCY BATTERY BACK-UP PER IBC 1008.3.
- EGRESS LIGHTING SHALL BE DESIGNED BY A LICENSED ELECTRICAL ENGINEER ACCORDING TO APPLICABLE CODES/ORDINANCES IN JURISDICTION. THE ENGINEER MAY REFERENCE THIS CODE SUMMARY SHEET. HOWEVER, IT SHALL REMAIN THE SOLE RESPONSIBILITY OF THE ENGINEER TO COMPLETE A SCOPE OF WORK ADDRESSING ALL EGRESS LIGHTING I.E.; ROOMS, SPECIALIZED SPACES, PATHWAYS, ETC. PER THE AFOREMENTIONED CODES. FINAL EGRESS LIGHTING DESIGN SUBJECT TO BUILDING OFFICIAL DISCRETION.
- EGRESS DOORS WITH CARD READERS SHALL BE FAIL-SAFE TO REMAIN UNLOCKED DURING AN EVENT/EMERGENCY PER IBC 1010.1.9.
- NON-EGRESS DOOR WITH CARD READERS SHALL BE FAIL SECURE TO REMAIN LOCKED DURING AN EVENT/EMERGENCY. DOOR CAN STILL BE OPENED WITH A KEY DURING SUCH EVENT/EMERGENCY.
- FIRE EXTINGUISHERS MUST BE WITHIN A 75' MAXIMUM TRAVEL DISTANCE OF ANY LOCATION.

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MEDICAL GAS TANK SUMMARY:

| TANK CONTENT | # OF TANKS | SIZE OF TANK (CU.FT) | TOTAL (CU.FT) | TOTAL ALLOWABLE PER IBC 307.1 (CU.FT) | | | |
|-----------------|---------------|----------------------------|------------------|--|--|--|--|
| OXYGEN | 6 | 244 | 1,464 | | | | |
| COMP. AIR | 4 | 244 | 976 | | | | |
| TOTAL | | | 2,440 | LESS THAN 3,000 | | | |
| | | | | | | | |

CHITE CHOO OCCUPANT LOAD.

| REFER TO IBC TABLE 1004.5 FOR LOAD FACTOR | | | | | | | | | | |
|---|----------------|----------------|-------------------|-----------------|------------------|--|--|--|--|--|
| Occupancy | Room Name | Room Number | Square Footage | Load Factor | Occupant Load | | | | | |
| В | SURGERY | ASF06 | 277 | 1/100 | 3 | | | | | |
| В | SURGERY | ASF07 | 387 | 1/100 | 4 | | | | | |
| В | STAFF BREAK | 117 | 121 | ¥ ₅ | 8 | | | | | |
| В | WAITING | 100 | 441 | 1/15 | 29 | | | | | |
| В | STORAGE | ASF12 | 103 | 1/300 | 0.3 | | | | | |
| В | GENERAL OFFICE | N/A | 2168 | ¥ ₅₀ | 14 | | | | | |
| | | | | | | | | | | |
| TOTAL | | | 3,497 | | 59 | | | | | |

Plumbing Calculation: (PER IRC TARLE 2902 1)

| Flum | | liculatio | 1)· | (PER IBC | TABLE 28 | 302.1) | | | | | |
|-----------------|----------|--|-------------|--|----------|--|------|------------|---|---------|--------|
| OCCUPANCY WATER | | | CLOSETS | | | LAVATORIES | | DRINKING I | SERVICE SINK | | |
| TYPE | LOAD | RATIO | MALE | RATIO | FEMALE | RATIO | MALE | FEMALE | RATIO | COUNTS | COUNTS |
| В | 59 | 1 PER 25 FOR THE FIRST 50, THEN 1 PER 50 | 1.2 | 1 PER 25 FOR THE FIRST 50, THEN 1 PER 50 | 1.2 | 1 PER 40 FOR THE FIRST 80, THEN 1 PER 80 | .7 | .7 | 1 PER 150 FOR THE FIRST 150, THEN 1 PER 500 | .393 | 1 |
| REQUIRED |) TOTALS | | 2 | | 2 | | 1 | 1 | | 1 | |
| PROVIDED |) TOTALS | | 4 | | 3 | | 3 | 2 | (NOTE #3) | NOTE #1 | |

NOTES:

1. DRINKING FOUNTAINS ARE NOT REQUIRED WITHIN INDIVIDUAL TENANT SPACES IF LOCATED ON AN ACCESSIBLE ROUTE WITHIN 500 FEET OF THE MOST REMOTE LOCATION WITHIN THE TENANT SPACE PER WA. STATE AMENDMENT 2902.5. ACCESSIBLE DRINKING FOUNTAIN LOCATED ADJACENT TO COMMON AREA RESTROOMS



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CODE SUMMARY

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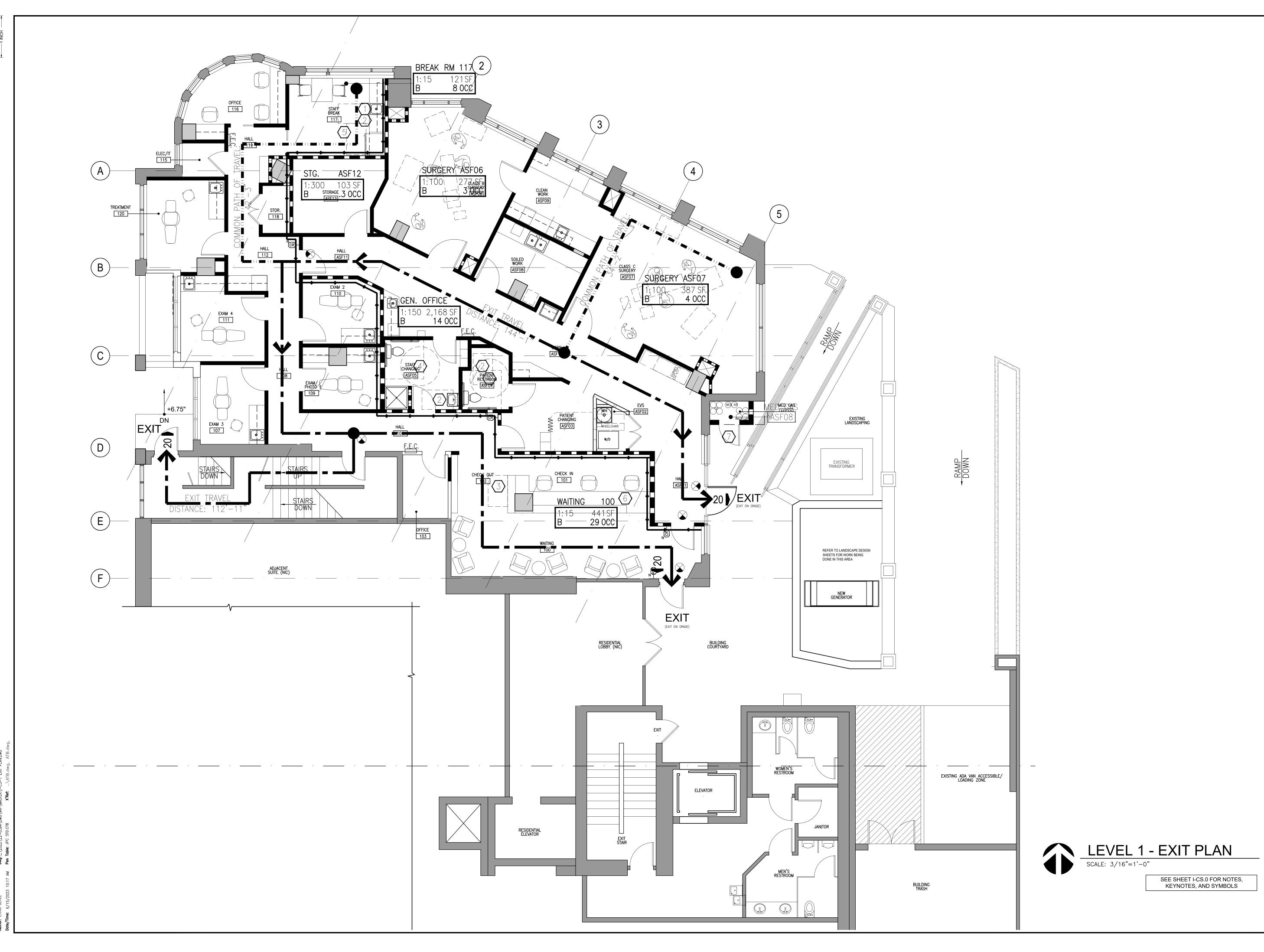
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EXIT PLAN

I-CS-1



DEMOLITION PLAN SHEET NOTES:

- OBTAIN DEMOLITION PERMITS AND INCLUDE ALL COSTS OF SAME IN CONTRACT
- FURNISH ALL LABOR AND MATERIALS/EQUIPMENT TO COMPLETE DEMOLITION AND REMOVAL OF ALL ITEMS AS INDICATED.
- CONTRACTOR SHALL KEEP CONSTRUCTION AREA FREE OF DUST AND DEBRIS
- IF ANY QUESTIONS ARISE AS TO THE REMOVAL OF ANY MATERIAL, CLARIFY THE
- POINT IN QUESTION WITH THE ARCHITECT BEFORE PROCEEDING.
- LEFT IN "BROOM CLEAN" CONDITION. ALL DEBRIS AND MISCELLANEOUS MATERIAL
- ALL DEBRIS REMOVAL SHALL BE PERFORMED IN ACCORDANCE WITH BUILDING MANAGEMENT REQUIREMENTS AND PROCEDURES.
- DISPOSAL: ALL DEBRIS REMOVED FROM THE SITE SHALL BE RECYCLED AS MUCH
- AS PRACTICAL AND ALLOWED BY LAW.
- IN PARTITIONS TO BE REMOVED, REMOVE AND CAP ALL OUTLETS, SWITCHES, WIRES, THERMOSTATS, ETC., TO THEIR SOURCE.
- DAMAGE CAUSED BY HIM OR HIS SUBCONTRACTORS TO EXISTING CONSTRUCTION IN ELEVATOR LOBBY, PUBLIC CORRIDORS, RESTROOMS OR TENANT SPACES. REFINISH TO MATCH EXISTING ADJACENT FINISH, OR AS NOTED
- NO EXISTING SMOKE DETECTOR, PUBLIC ADDRESS SPEAKER, FIRE ALARM BOX OR SIMILAR DEVICE, INCLUDING THE ASSOCIATED WIRING SHALL BE DAMAGED DURING DEMOLITION AND SUBSEQUENT CONSTRUCTION. RELOCATION OF SMOKE DETECTORS, PUBLIC ADDRESS SPEAKERS AND FIRE ALARM EQUIPMENT, NECESSITATED BY NEW CONSTRUCTION, SHALL BE ACCOMPLISHED AS A FIRST PRIORITY, AND PER THE PLANS. NO ACTIVE SMOKE DETECTOR SHALL BE COVERED OR OTHERWISE REMOVED OR USED FOR OTHER THAN IT'S INTENDED
- REMOVAL OF ANY EQUIPMENT, CABLING SWITCHES, AND CONDUIT PERTAINING TO DATA/COMMUNICATIONS AND TELEPHONE SHALL BE VERIFIED WITH TELEPHONE COMPANIES AND TENANT.
- REMOVE ALL EXISTING MATERIALS WHICH WOULD CAUSE RISES OR DEPRESSIONS IN NEW FLOORING SURFACE, SUCH AS FASTENERS, OUTLET CORES, COVER PLATES, RESILIENT FLOOR COVERINGS, CARPET, CARPET PAD, FLASH PATCH, CONCRETE FILL, PLYWOOD, ETC.
- DEMOLITION IS NOT NECESSARILY LIMITED TO WHAT IS SHOWN ON DRAWINGS. THE INTENT IS TO INDICATE THE GENERAL SCOPE OF DEMOLITION REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONTRACT DRAWINGS.
- 14. RATED WALLS SHALL NOT BE PENETRATED UNLESS THE RATING IS MAINTAINED.
- 15. EXISTING FINISH FLOORING AND WALL BASE TO BE DEMOLISHED AND DISCARDED THROUGHOUT SUITE. PATCH AND REPAIR AFFECTED SUBSTRATE AS REQUIRED FOR INSTALLATION OF NEW FLOORING AND WALL BASE MATERIALS.
- DEMOLISH AND DISPOSE OF ALL EXISTING PARTITION WALLS (FULL HEIGHT, PARTIAL-HEIGHT, AND GRID HEIGHT), DOORS/FRAMES/HARDWARE, CABINETRY/MILLWORK, AS INDICATED ON DEMOLITION PLAN. PROTECT EXISTING ADJACENT SURFACES, INCLUDING BUT NOT LIMITED TO CEILING, ADJACENT WALLS AND FLOORING THROUGHOUT SCOPE OF WORK.
- DEMOLISH AND DISPOSE OF ALL ELECTRICAL, LOW-VOLTAGE AND LIFE-SAFETY EQUIPMENT/DEVICES (INCLUDING LOW-VOLTAGE CABLING) AS INDICATED AND AS REQUIRED DUE TO DEMOLITION OF ALL INTERIOR PARTITIONS. AT LOCATIONS WHERE ELECTRICAL IS TO BE REMOVED, TERMINATE WIRING AT CLOSEST JUNCTION BOX OR DEMOLISH WIRING BACK TO PANEL. SALVAGE ANY EXISTING POWER TO BE REUSED AS POSSIBLE. ALL REMAINING POWER OUTLETS TO BE
- DEMOLISH ALL EXISTING AND UNUSED BLANK PLATES THROUGHOUT SCOPE OF WORK. PATCH AND REPAIR GWB TO MATCH ADJACENT FINISH.
- DEMOLISH AND DISPOSE OF EXISTING PLUMBING/FIXTURES AS INDICATED AND AS REQUIRED DUE TO DEMOLITION OF INTERIOR PARTITIONS. TERMINATE AND CAP ALL EXISTING SUPPLY/WASTE LINES BEHIND WALL AND/OR FLOOR. PATCH AND REPAIR AFFECTED AREAS, INCLUDING BUT NOT LIMITED TO WALLS, FLOORS AND CEILINGS AS REQUIRED MATCHING EXISTING FINISH MATERIALS, U.N.O.
- 20. DEMOLISH ALL EXISTING AND/OR UNUSED FLOOR POKE-THRUS. PATCH AND CAP OPENING. MAINTAIN FIREPROOFING/FLOOR RATING REQUIREMENTS.
- 21. DEMOLISH AND DISPOSE OF EXISTING CABINETRY/MILLWORK UNLESS OTHERWISE REQUESTED TO BE RETAINED. PATCH AND REPAIR AFFECTED AREAS, INCLUDING BUT NOT LIMITED TO WALLS, FLOORS AND CEILINGS AS REQUIRED. MATCH EXISTING FINISH MATERIALS, UNLESS NOTED OTHERWISE.
- 22. DEMOLISH AND DISPOSE OF EXISTING DOORS, FRAMES, SIDELIGHTS AND
- REMOVE AND SALVAGE ALL EXISTING FIRE EXTINGUISHER CABINETS. REINSTALL AT NEW LOCATIONS PER FLOOR PLAN IF CABINET IS SEMI-RECESSED AND IN
- 24. PATCH AND REPAIR EXISTING GWB WALL SURFACES WHERE DAMAGED BY
- 25. ROLL-UP, BAG AND PROTECT EXISTING EXTERIOR HORIZONTAL SHADES THROUGHOUT DURATION OF CONSTRUCTION. REPAIR AND/OR PROVIDE NEW WHERE FOUND MISSING OR DAMAGED.
- 26. DEMOLISH EXISTING FINISHED CEILINGS AS INDICATED IN PLAN AND AS REQUIRED DUE TO DEMOLITION SCOPE AND REVISED LAYOUT. PATCH AND REPAIR AFFECTED AREAS AS REQUIRED. REFER TO REFLECTED CEILING PLAN FOR NEW
- DEMOLISH EXISTING LIGHT FIXTURES AND LIGHT SWITCHES THROUGHOUT AS INDICATED IN PLAN AND AS REQUIRED DUE TO DEMOLITION SCOPE AND REVISED LAYOUT. PATCH & REPAIR AFFECTED AREAS TO MATCH ADJACENT FINISH. AT LOCATIONS WHERE ELECTRICAL IS TO BE REMOVED, TERMINATE WIRING AT
- 28. DEMOLISH ALL EXISTING LIGHT FIXTURES AND REPLACE WITH NEW. REFER TO
- 29. ALL EXISTING EXIT SIGNS TO BE DEMOLISHED AND REPLACED WITH NEW. REFER TO REFLECTED CEILING PLAN FOR ADDITIONAL INFORMATION AND NEW

EXISTING PARTITION/CONSTRUCTION TO REMAIN

EXISTING PARTITION TO BE REMOVED

D = DEMOLISH

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DEMOLITION NOTES AND LEGEND

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DEMOLITION PLAN

DIMENSION PLAN SHEET NOTES:

DO NOT SCALE DRAWINGS, WRITTEN DIMENSIONS GOVERN. ALL PARTITION

- LOCATIONS SHALL BE AS SHOWN ON PARTITION PLAN. IN CASE OF CONFLICT NOTIFY ARCHITECT. PARTITION PLAN BY ARCHITECT TAKES PRECEDENCE OVER
- ALL PARTITIONS ARE DIMENSIONED FROM FINISH FACE OF GYPSUM BOARD TO FINISH FACE OF GYPSUM BOARD UNLESS OTHERWISE NOTED. ALL DIMENSIONS MARKED "CLEAR" OR "CLR" SHALL BE MAINTAINED AND SHALL ALLOW FOR THICKNESSES OF ALL WALL FINISHES, U.N.O.
- DIMENSIONS NOTED "CLEAR" OR "CLR" MUST BE ACCURATELY MAINTAINED, AND SHALL NOT VARY MORE THAN ± 1/8" WITHOUT WRITTEN INSTRUCTION
- DIMENSIONS MARKED ± MEAN A TOLERANCE NOT GREATER NOR SMALLER THAN 2 INCHES FROM INDICATED DIMENSION, U.N.O. VERIFY FIELD DIMENSIONS EXCEEDING TOLERANCE WITH THE ARCHITECT. SECURE ARCHITECT'S
- NOTIFY ARCHITECT IN WRITING OF ANY DISCREPANCIES OR CONFLICTS IN THE LOCATION(S) OF NEW CONSTRUCTION. UPON COMPLETION OF PARTITION LAYOUT, NOTIFY ARCHITECT. VERIFICATION OF THE LAYOUT TO BE PROVIDED BY THE ARCHITECT PRIOR TO PARTITION INSTALLATION.
- REFER TO REFLECTED CEILING PLANS FOR SOFFITS, CEILING HEIGHTS AND PLENUM BARRIER LOCATIONS.
- DIMENSIONS LOCATING DOORS ARE TO THE INSIDE EDGE OF JAMB. U.N.O.
- ALL DOORS SHALL HAVE 1'-6" CLR. ON STRIKE/PULL SIDE AND 1'-0" CLR. ON
- PUSH SIDE OF DOOR. VERIFY AND ADVISE ARCHITECT OF EXCEPTIONS PRIOR TO CLOSING OUT PARTITIONS. ANY DIMENSIONS THAT ARE UNSPECIFIED OR UNCLEAR ARE TO BE BROUGHT
- TO THE ARCHITECT'S ATTENTION PRIOR TO PROCEEDING. DIMENSIONS NOTED "CLEAR" OR "CLR" MUST BE ACCURATELY MAINTAINED AND SHALL NOT VARY MORE THAN +/- 1/8" WITHOUT WRITTEN INSTRUCTION FROM ARCHITECT.
- CONTRACTOR SHALL VERIFY FIELD DIMENSIONS AFTER DEMOLITION AND DURING FRAMING LAYOUT AND REPORT ANY DISCREPANCIES TO ARCHITECT
- GENERAL CONTRACTOR TO VERIFY ALL CRITICAL FRAMING DIMENSIONS AND REQUIREMENTS AT EQUIPMENT WITH EQUIPMENT SUPPLIER. EXACT OPERATORY LAYOUT TO BE VERIFIED BY EQUIPMENT SUPPLIER AND/OR DOCTOR BEFORE FRAMING TO COMMENCE. NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING.
- 13. MED. GAS TANK STORAGE ROOM <u>ASF10</u> CONSTRUCTION REQUIREMENTS:

(ONE-HOUR EXTERIOR ROOM) MUST BE 1-HOUR FIRE-RATED CONSTRUCTION AND MEET THE REQUIREMENTS OF THE THE 2018 IFC SECTION 5306.2.1, 2018 IBC SECTION 427.2.1, 2018 NFPA-99 CHAPTER 15, AND 2018 IMC 502.8.2 AND 502.9.1,

REFER TO DETAIL 5/I-09.1 FOR ADDITIONAL INFORMATION.

- PROVIDE SOUND INSULATION (STC-45 MIN.) IN ALL NEW PARTITIONS PER
- AT ACOUSTIC PARTITIONS, GWB FASTENERS SHALL NOT PENETRATE THROUGH RESILIENT CHANNELS INTO STUDS, WALL MOUNTED OBJECTS SHALL NOT BE SUPPORTED BY FASTENERS THAT PASS THROUGH RESILIENT CHANNELS INTO
- FRAMING AND BLOCKING FOR RECESSED ACCESSORIES IS REQUIRED. REFER TO ACCESSORIES PLAN AND SCHEDULE FOR ADDITIONAL INFORMATION. PROVIDE ROUGH FRAMING PER MANUFACTURER'S SPECIFICATIONS AND REFER TO THE TYPICAL MOUNTING HEIGHTS PER DETAIL 13/I-0.3.
- PROVIDE AND INSTALL NEW (AND/OR SALVAGED) SEMI-RECESSED FIRE EXTINGUISHER CABINET (F.E.C.). MOUNT AT 48" ABOVE FINISH FLOOR (A.F.F.) TO CENTER OF CABINET. PROVIDE IDENTIFICATION SIGNAGE AT EACH EXTINGUISHER LOCATION AS REQUIRED. QUANTITIES AND LOCATIONS SHALL BE DETERMINED BY BUILDING AND FIRE INSPECTOR'S FIELD PLACEMENT DETERMINATION. PROPOSED LOCATIONS ARE SHOWN ON ARCHITECT'S PLAN -VERIFY ANY REQUIRED CHANGE IN LOCATION WITH ARCHITECT. REFER TO
- ALL EXISTING AND NEW GWB PARTITIONS TO BE FINISHED AT A LEVEL 4 FINISH, UNLESS NOTED OTHERWISE.
- CONTRACTOR TO CONFIRM FINAL FRAMING REQUIREMENTS AT MED GAS CLOSET AND VAC PUMP ROOM WITH THE EQUIPMENT SUPPLIER BEFORE

PARTITION LEGEND:

| | EXISTING PARTITION/CONSTRUCTION TO REMAIN |
|-----------|---|
| * | NEW CEILING-HEIGHT PARTITION. REFER TO DETAIL 3/1-09.1 |
| | NEW EXTENDED CEILING-HEIGHT PARTITION. REFER TO DETAIL 4/I-09.1 |
| \$ | NEW FULL-HEIGHT RATED PARTITION. REFER TO DETAIL 5/I-09.1 |
| <u> </u> | NEW FULL-HEIGHT PARTITION. REFER TO DETAIL 9/1-09.1 |

PARTITION LEGEND NOTES:

AT LOCATIONS REQUIRED FOR ARCHITECTURAL FEATURES AND/OR "IN-WALL" ELECTRICAL/MECHANICAL/PLUMBING SYSTEMS, PROVIDE APPROPRIATE METAL STUD WIDTH TO ACCOMMODATE SIZING REQUIREMENT. CONFORM TO SPECIFIED METAL GAUGE AND SPACING AS INDICATED BY WALL TYPE. REFER TO PARTITION LEGEND FOR

SYMBOLS LEGEND:

F.E.C. SEMI-RECESSED FIRE EXTINGUISHER AND CABINET - TYPE II-10B. COLOR: ♦ WALL TAG

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DIMENSION PLAN NOTES AND LEGEND

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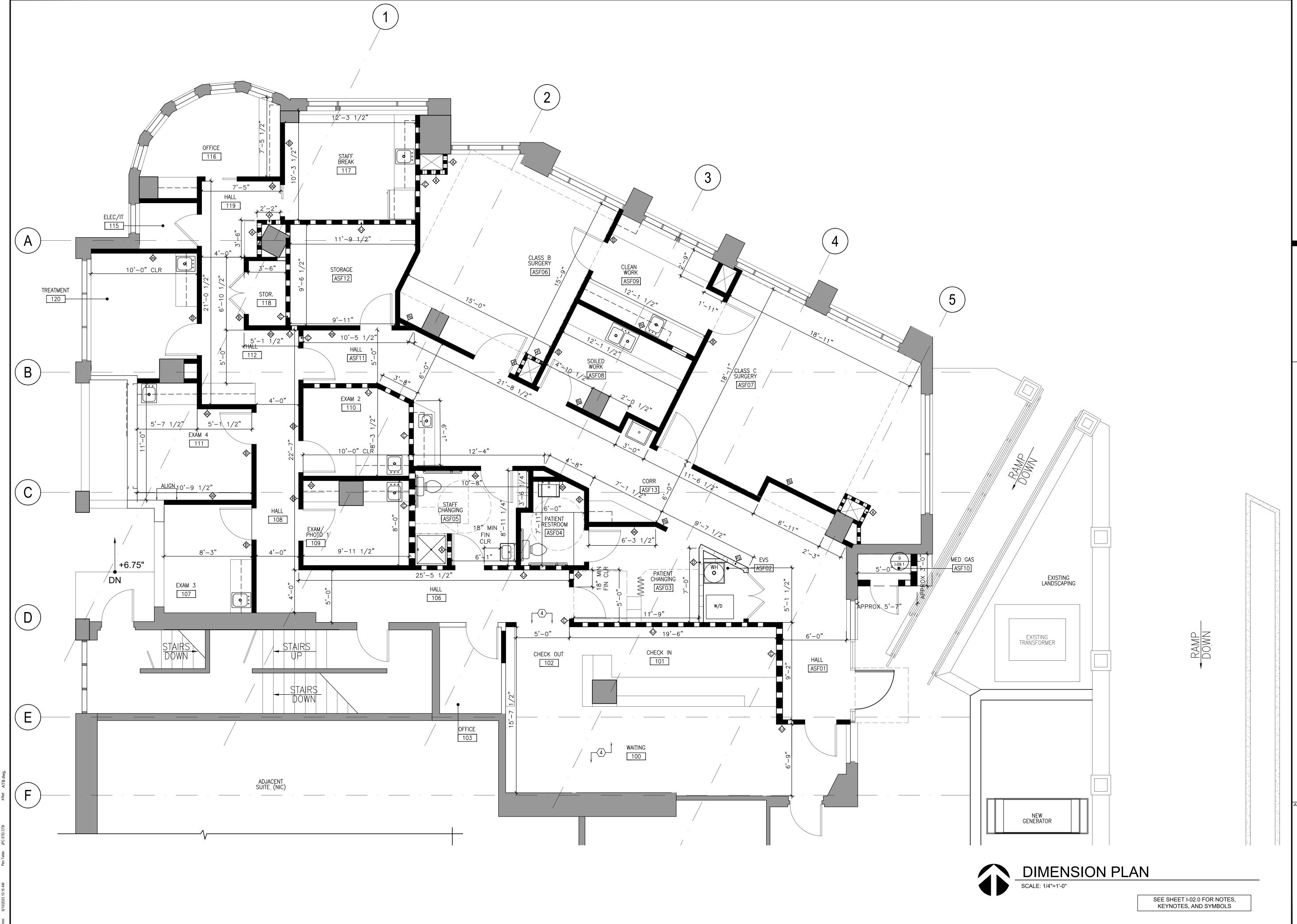
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DIMENSION PLAN

I-02.1



FLOOR PLAN SHEET NOTES:

- PROVIDE AND INSTALL 5/8" X 48"W X FULL HEIGHT FIRE-RESISTANT PLYWOOD. PAINT TO MATCH GENERAL WALL COLOR LEAVING FIRE-RATING MARKINGS UNPAINTED AT BOTTOM RIGHT OF PANEL. VERIFY EXACT REQUIREMENTS WITH
- PROVIDE AND INSTALL CARD READER AT 34"AFF FAIL SAFE AT EGRESS DOORS: DOOR LOCKS MUST AUTOMATICALLY RELEASE WITH LOSS OF POWER TO THE DOOR LOCK OR RELEASING DEVICE. DOORS MUST REMAIN UNLOCKED UNTIL THE POWER SUPPLY IS RESTORED. DOOR LOCKS MUST AUTOMATICALLY RELEASE WITH LOSS OF PRIMARY POWER TO THE FIRE ALARM CONTROL PANEL. AN APPROVED SMOKE DETECTOR SHALL BE INSTALLED WITHIN THE ELEVATOR LOBBY IN ACCORDANCE WITH THE MANUFACTURER'S LISTING INSTRUCTIONS AND SHALL INITIATE A GENERAL FIRE ALARM WHEN ACTIVATED. DOOR LOCKS MUST AUTOMATICALLY RELEASE ON ACTIVATION OF THE BUILDING ALARM SYSTEM (SPRINKLER HEAD, SMOKE/HEAT DETECTOR OR PULL STATION ACTUATION). DOORS MUST REMAIN UNLOCKED UNTIL THE FIRE ALARM SYSTEM
- NON-EGRESS DOORS WITH CARD READERS TO BE FAIL-SECURE.
- PROVIDE WINDOW FILM FULL HEIGHT TO OBSCURE VISIBILITY INTO WINDOWS AS NOTED. MANUFACTURER AND PATTERN TO BE SELECTED.
- PROVIDE WINDOW BLINDS AS NOTED. MANUFACTURER AND PATTERN TO BE SELECTED.
- PROVIDE PASS THROUGH WINDOW BETWEEN CLEAN AND SOILED ROOMS.
- PROVIDE NEW PUSH TO EXIST OVERRIDE BUTTON
- REFER TO LANDSCAPE ARCHITECT'S DRAWINGS FOR WORK IN THIS AREA

PLAN FOR ADDITIONAL INFORMATION.

- GENERAL CONTRACTOR TO PROVIDE ALL REQUIRED BLOCKING, BACKING, BRACING AND MISC. SUPPORTS AS NECESSITATED BY ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND AUDIO-VIDEO; INCLUDING BUT NOT LIMITED TO, CASEWORK, SPECIFIC MEDICAL EQUIPMENT, WALL-MTD MONITORS, AND RESTROOM ACCESSORIES.
- 1.1. PROVIDE BLOCKING IN WALL FOR WALL-MTD MONITORS. (COORDINATE EXACT MOUNTING HEIGHT WITH A/V CONSULTANT). REFER TO POWER
- PROVIDE BLOCKING IN WALL FOR WALL-MTD ACCESSORIES. REFER TO ACCESSORIES PLAN AND SCHEDULE FOR ADDITIONAL INFORMATION.
- PROVIDE AND INSTALL NEW SEMI-RECESSED FIRE EXTINGUISHER CABINETS AS LOCATED PER PLAN. FINAL QUANTITY PER FIRE MARSHALL. VERIFY ALL FINAL LOCATIONS WITH ARCHITECT.
- PROVIDE AND INSTALL GLAZING IN CONFORMANCE WITH THE 2018 INTERNATIONAL BUILDING CODE (I.B.C.), SECTION 2403 GENERAL REQUIREMENTS FOR GLASS (SPECIFICALLY 2403.4 INTERIOR GLAZED AREAS) AND SECTION 2406 SAFETY GLAZING. ALL GLAZING THROUGHOUT SUITE TO BE SAFETY GLAZING, TYPICAL THROUGHOUT U.N.O.
- MEDICAL FIXTURES AND EQUIPMENT TO BE TENANT-FURNISHED AND INSTALLED. ITEMS INCLUDED ARE: STERILIZATION EQUIPMENT, AND MECHANICAL EQUIPMENT. COORDINATION WITH TENANT AND TENANT'S MEDICAL EQUIPMENT SUPPLIER IS REQUIRED.
- SUBMITTALS FOR CABINET SHOP DRAWINGS, DOORS, DOOR HARDWARE AND DOOR FINISHES, AND APPLIANCES ARE REQUIRED TO BE SUBMITTED TO ARCHITECT FOR REVIEW AND FINAL APPROVAL PRIOR TO ORDERING.
- GENERAL CONTRACTOR TO PROVIDE AND INSTALL ALL CODE-REQUIRED SIGNAGE INCLUDING, BUT NOT LIMITED TO, AN ADA ACCESSIBLE RESTROOM SIGN AT RESTROOM ASF04 PER ICC A117.1, SECTION 703. THE SIGN SHALL BE WALL-MOUNTED ALONG THE LATCH SIDE OF THE DOOR PER ICC A117.1, SECTION 703.3.11. SIGN SHALL HAVE FINISH AND CONTRAST PER ICC A117.1, SECTION 703.3.12. PROVIDE SUBMITTAL TO CLIENT AND ARCHITECT FOR APPROVAL.
- GENERAL CONTRACTOR TO PROVIDE DOOR-MOUNTED PRECAUTIONARY SIGN AT MED GAS ASF08 PER NFPA-99, SECTION 11.3.4. AT A MINIMUM THIS SIGN IS TO READ 'CAUTION: OXIDIZING GAS(ES) STORED WITHIN. NO SMOKING.' AND IS TO BE READABLE FROM A DISTANCE OF (5)FEET AND IS TO BE INSTALLED AT +60" AFF TO CENTER OF SIGN.
- GENERAL CONTRACTOR TO PROVIDE AND INSTALL NEW WINDOW COVERINGS AT ALL EXTERIOR WINDOWS. REFER TO THE FINISH SCHEDULE FOR EXACT SPECIFICATION.
- GENERAL CONTRACTOR TO THOROUGHLY CLEAN THE ENTIRE SUITE, INCLUDING THE INTERIOR FACE OF THE EXTERIOR WINDOWS, AFTER ALL WORK IN COMPLETED AND PRIOR TO CLIENT MOVE-IN.
- 10. ANCILLARY FURNITURE AND EQUIPMENT ARE TENANT-FURNISHED AND INSTALLED INCLUDING, BUT NOT LIMITED TO, TV MONITORS, PRINTERS, TABLES AND CHAIRS, U.N.O.
- 11. REFER TO ELECTRICAL DRAWINGS FOR INFORMATION ON ALL ELECTRICAL AND DATA DEVICES, REQUIREMENTS, ETC.

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> DESIGN JPC DRAWN ED/RB CHECKED CB 22-0394

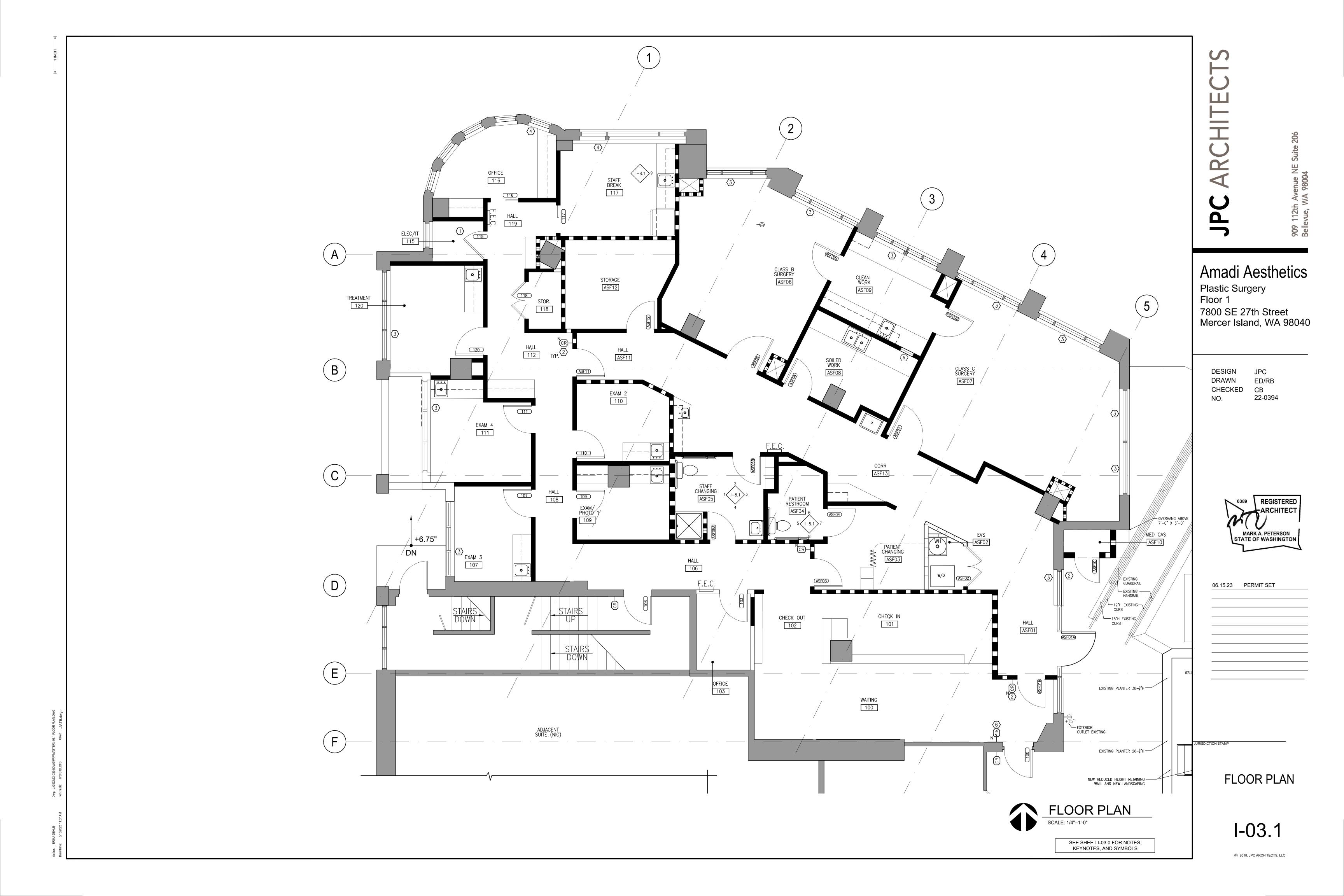


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JURISDICTION STAMP

FLOOR PLAN NOTES AND LEGEND

I-03.0



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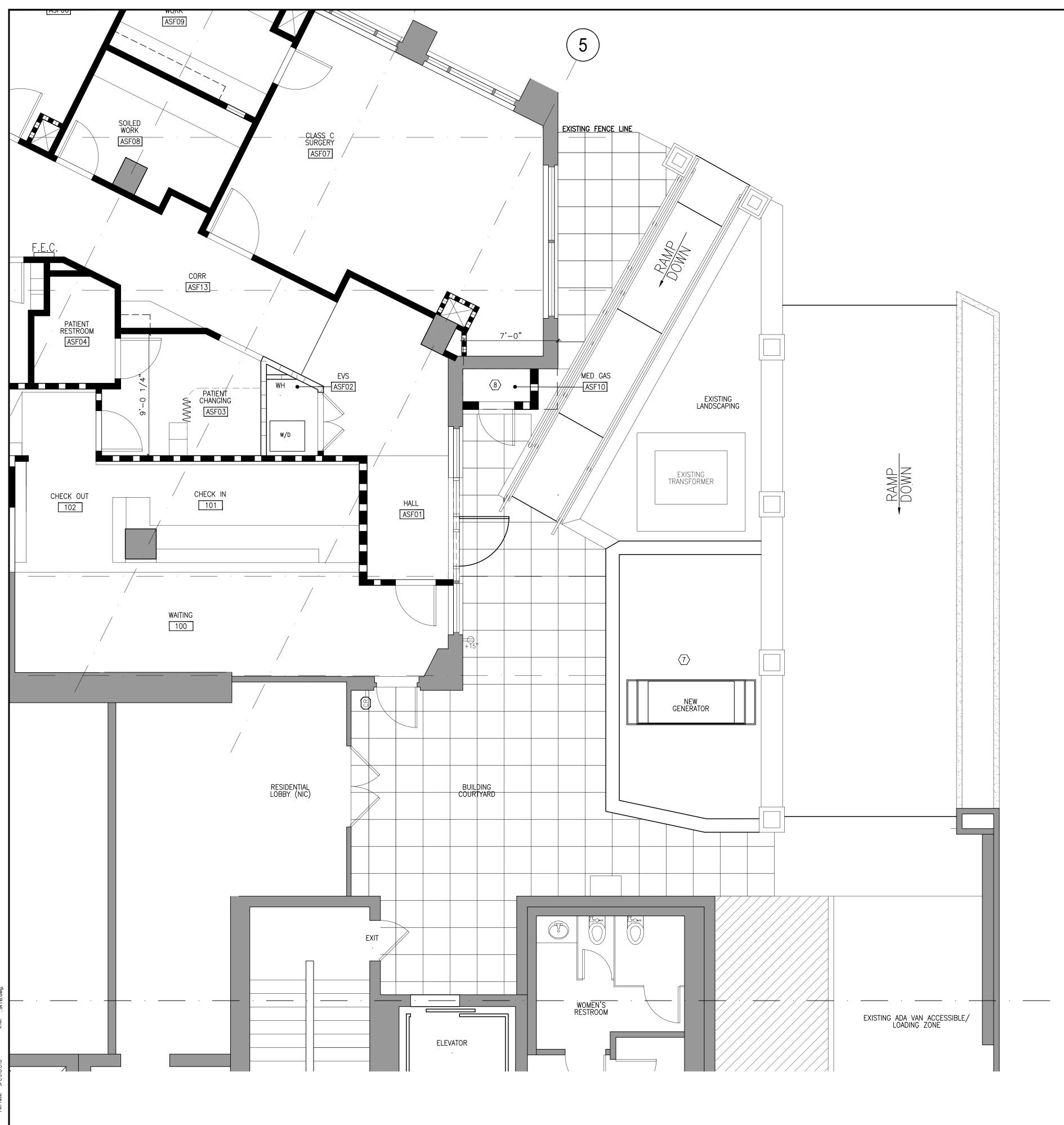
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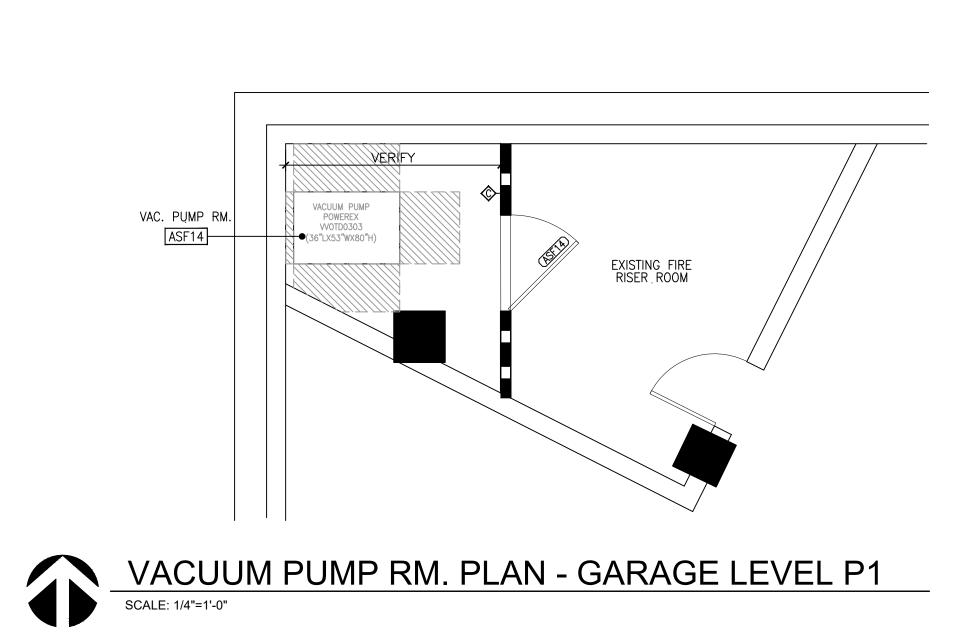
FLOOR PLAN VAC. RM. AND COURTYARD

I-03.2

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REFER TO SHEET I-03.0 FOR NOTES, KEYNOTES AND SYMBOLS.





COURTYARD PLAN

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

KEY NOTES:

- FRESH-AIR INTAKE AND THERMOSTATICALLY-CONTROLLED EXHAUST TO THE EXTERIOR IS REQUIRED AT MECHANICAL ASF11. VERIFY FINAL REQUIREMENTS WITH EQUIPMENT SUPPLIER.
- PROVIDE THERMOSTATICALLY CONTROLLED EXHAUST FAN IN STORAGE/IT 115. VERIFY EXACT REQUIREMENTS WITH COMPUTER AND/OR A/V TECH.
- PROVIDE 200 CFM (MIN) EXHAUST FAN IN LAUNDRY/STORAGE ASF02, CLEAN ASF09, AND STAFF BREAK 117. TO BE SWITCHED SEPARATELY FROM LIGHTING.
- PROVIDE 150 CFM (MIN) EXHAUST FAN IN PATIENT RESTROOM ASF04 AND STAFF CHANGING ASF05. TO BE SWITCHED SEPARATELY FROM LIGHTING
- PROVIDE AND INSTALL AN AUTOMATIC FIRE SPRINKLER HEAD AT MED GAS CLOSET ASF10 AS REQUIRED PER 2018 IFC 5306.2 AND 2018 IBC 427.2 FOR A ONE-HOUR FIRE RATED EXTERIOR ROOM.
- PROVIDE BLOCKING, POWER, A/V AND TV-CABLE IN CEILING FOR CEILING-MOUNTED MONITOR ON BRACKET IN STAFF BREAK 117. PROVIDE 2" CONDUIT TO CPU/TV-CABLEBOX AT STORAGE ASF12. VERIFY EXACT LOCATION AND REQUIREMENTS WITH A/V CONSULTANT AND/OR DOCTOR
- PROVIDE LINE-VOLTAGE LIGHTING CONTACTOR TO DE-ENERGIZE ALL LIGHTING CIRCUITS (EXCEPT LIGHT FIXTURES IN XXX). LOCATE MASTER LIGHT CONTROL SWITCH IN XXX PER PLAN.
- 8 PENDANTS TO BE CENTERED OVER TRANSACTION TOP. VERIFY EXACT LOCATION
- AT VAC PUMP ROOM ASF11 PROVIDE AND INSTALL 12X12 FINE-FISSURED ACOUSTIC TILE ON GWB CEILING -DIRECT-GLUED TO ALL CEILING SURFACES.
- IN FIELD AND WITH APPROVED CASEWORK SUBMITTAL.

REFLECTED CEILING PLAN SHEET NOTES:

THE REFLECTED CEILING PLAN INDICATES THE LOCATION OF CEILING HEIGHTS, LIGHT TYPES, LIGHT FIXTURES, AND ASSOCIATED ITEMS.

- DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN. ALL CEILING AND LIGHTING LOCATIONS SHALL BE AS SHOWN ON REFLECTED CEILING AND LIGHTING PLAN. IN CASE OF CONFLICT, NOTIFY ARCHITECT. ANY DIMENSIONS THAT ARE UNSPECIFIED OR UNCLEAR ARE TO BE BROUGHT TO THE ARCHITECT'S ATTENTION PRIOR TO PROCEEDING.
- ALL SPECIFIC INFORMATION CONCERNING INSTALLATION FOR VARIOUS ABOVE-CEILING ELEMENTS ARE TO BE DESIGN-BUILD BY CONTRACTOR. DOCUMENTED BY OTHERS AND PERMITTED SEPARATELY.
- COORDINATE THE WORK OF ALL TRADES INVOLVED IN THE CEILING. WORK TO ENSURE CLEARANCES FOR FIXTURES, DUCTS, PIPING, CEILING SUSPENSION SYSTEM, ETC., NECESSARY TO MAINTAIN THE FINISHED CEILING HEIGHTS INDICATED ON ARCHITECT'S DRAWINGS.
- NOTIFY ARCHITECT OF ANY CONFLICTS OF LIGHT FIXTURE LOCATIONS WITH MAIN RUNNERS, DUCTS, STRUCTURES, HVAC, AND/OR (E)CONDUIT, PRIOR TO FRAMING FOR LIGHTS. ANY DISCREPANCIES BETWEEN ARCHITECT'S CEILING GRID LOCATION & ACTUAL FIELD CONDITIONS ARE TO BE CLARIFIED WITH THE ARCHITECT PRIOR TO FRAMING.
- SPEAKER LOCATIONS ARE SHOWN ON REFLECTED CEILING PLAN TO DENOTE GENERAL LOCATIONS - FINAL LOCATIONS TO BE VERIFIED BY A/V CONSULTANT AND/OR DOCTOR. VOLUME LOCATIONS SHOWN ON PLAN-CHANGES IN LOCATION ARE TO BE VERIFIED BY ARCHITECT. SPEAKERS AND VOLUME CONTROLS TO BE PROVIDED BY CLIENT'S AUDIO VENDOR. GENERAL CONTRACTOR TO PROVIDE MUD-RINGS WITH PULL STRING IN WALL.

ONE-HOUR RATED MED GAS CLOSET ASF10:

- PROVIDE MECHANICAL VENTILATION SYSTEM FOR MED GAS STORAGE AS REQUIRED PER 2018 IMC 502.8.2 AND 502.9.1, AND 2018 IFC 5306.2.1 FOR A ONE-HOUR RATED EXTERIOR ROOM OR. THIS AND OVERALL MECHANICAL SCOPE UNDER SEPARATE PERMIT.
- PROVIDE AND INSTALL AN AUTOMATIC FIRE SPRINKLER HEAD AT MED GAS CLOSET <u>ASF10</u> AS REQUIRED PER 2018 IFC 5306.2 AND 2018 IBC 427.2 FOR A ONE-HOUR FIRE RATED EXTERIOR ROOM
- ALL SMOKE DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH IMC/IBC OR SUPERCEDING CODE. ALL FIRE DAMPERS SHALL BE INSTALLED IN ACCORDANCE WITH IMC/IBC OR SUPERCEDING CODE.
- VENTILATION REQUIRED FOR MECH ROOM ASF14. VERIFY ALL REQUIREMENTS WITH EQUIPMENT PROVIDER.
- POSITIVE AIR PRESSURE REQUIRED FOR SURGERY ROOMS ASF06 /ASF07. ALL ISOLATION ROOMS TO HAVE NEGATIVE AIR PRESSURE AND BE VENTED EXTERNALLY
- MODIFY EXISTING SYSTEMS AS REQUIRED BY SCOPE OF NEW WORK, THE BUILDING CODES IN EFFECT, AND DESIGN/CONSTRUCTION STANDARDS FOR THE SUBJECT BUILDING INCLUDING, BUT NOT LIMITED TO HVAC, PLUMBING, ELECTRICAL, COMMUNICATIONS, CONVEYANCE, FIRE/SMOKE PROTECTION, AND FIRE ALARM
- ARCHITECTURAL FEATURES AND LIGHTING LOCATIONS TAKE PRECEDENCE OVER OTHER ELEMENTS AND SYSTEMS. COORDINATE THE WORK OF ALL TRADES TO ENSUF CLEARANCES FOR EQUIPMENT, FIXTURES, DUCTS, PIPING, AND ETC. AS NECESSARY TO MAINTAIN THE FINISHED CEILING AND LIGHTING HEIGHTS AND LAYOUTS INDICATED IN CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT OF ANY CONFICTS WITH ARCHITECTURAL ELEMENTS OR LIGHTING, AND COORDINATE WITH ARCHITECT AS REQUIRED. FAILURE TO COORDINATE CONFLICTS WILL NOT WAIVE RESPONSIBILITY TO DELIVER THE FINAL DESIGN INTENT AS PRESENTED IN THE CONSTRUCTION
- SUBMIT GRILLE. THERMOSTAT, LIGHTING AND OTHER FIXTURE AND ELEMENT LAYOUTS TO THE ARCHITECT FOR REVIEW PRIOR TO ORDER PLACEMENT.
- PROVIDE SOUND BOOTS AT ALL FULL HEIGHT ENCLOSED ROOMS AT RETURN AIR GRILLES, AND VAV'S LOCATED IN PRIVATE OFFICES AND TREATMENT/EXAM/SURGERY

- FINAL EXIT LIGHTING LOCATIONS SHALL BE DETERMINED BY BUILDING AND FIRE INSPECTOR'S FIELD PLACEMENT DETERMINATION. CONTRACTOR TO NOTIFY ARCHITECT OF FINAL LOCATIONS.
- PROTECT EXPOSED LIGHT FIXTURES AND OTHER ELEMENTS FROM DAMAGE AND SOILING DURING CONSTRUCTION. REFER TO MANUFACTURER RECOMMENDATIONS FOR PROTECTION DURING CONSTRUCTION.

- LIGHTING CONTROL SYSTEM SHALL MEET ALL REQUIREMENTS FOR DAYLIGHTING AND ENERGY SAVINGS AS REQUIRED BY LOCAL CODES.
- PROVIDE 0-10V IN-ROOM/AREA WALL SWITCH DIMMING CONTROLS IN ALL AREAS EXCEPT THE FOLLOWING: RESTROOMS, ELEC/IT, STORAGE, MECH AND EVS.
- ALL SWITCHES AND DIMMERS SHALL BE LOCATED 46" ABOVE FINISHED FLOOR TO CENTER OF SWITCH U.N.O. MULTIPLE SWITCHES AT ONE LOCATION SHALL BE GANGED TOGETHER AND FINISHED WITH ONE COVER PLATE U.N.O.
- ALL ENCLOSED ROOMS AND FIXTURE TYPES SHALL BE SWITCHED SEPARATELY. CONFIRM CONTROL SYSTEM CONFIGURATION WITH OWNER, TENANT AND ARCHITECT.
- EGRESS LIGHTING SHALL BE DESIGNED BY A LICENSED ELECTRICAL ENGINEER BASED ON FINAL APPROVED LIGHTING PLANS AND THE CURRENT CODES IN EFFECT. IT SHALL REMAIN THE SOLE RESPONSIBILITY OF THE ENGINEER TO COMPLETE A SCOPE OF WORK THAT FULFILLS ALL EGRESS LIGHTING REQUIREMENTS. FINAL EGRESS LIGHTING QUANTITIES AND LOCATIONS ARE SUBJECT TO APPROVAL BY BUILDING AND FIRE INSPECTOR'S FIELD PLACEMENT DETERMINATION.

- PERIMETER CEILING ANGLE, WHERE OCCURS, SHALL BE INSTALLED TIGHT TO VERTICAL SURFACES, FREE FROM CURVES, BREAKS OR OTHER IRREGULARITIES AND FINISHED TO MATCH CEILING FINISH.
- ALL FIELD-CUT ACOUSTIC CEILING TILES TO BE FINISHED ON CUT EDGE TO MATCH FACE OF CEILING TILE.
- ALL SOFFITS AND CEILING HEIGHTS ARE DIMENSIONED FROM TOP OF FINISHED FLOOR TO BOTTOM OF FINISHED GYPSUM BOARD OR CEILING TILE AND SHALL ALLOW FOR THICKNESS OF ALL FLOOR FINISHES.
- LIGHT FIXTURES, NEW SPRINKLER HEADS AND OTHER CEILING ELEMENTS SHALL BE CENTERED IN THE 2'X2' SECTION OF INDIVIDUAL CEILING TILES U.N.O. (EXIST. SPRINKLERS TO REMAIN UNLESS CONFLICTING WITH NEW ELEMENTS).
- ALL ACCESS PANELS AT GWB TO BE 24" X 24" (VERIFY) FRAMELESS WITH A GWB AND PAINTED FINISH. COORDINATE WITH LIGHTING LOCATIONS.

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RCP LIGHTING NOTES AND LEGEND

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REFLECTED CEILING PLAN

1-04.1

SEE SHEET I-04.0 FOR NOTES, KEYNOTES, AND SYMBOLS

K-14561 - 18" W X 1.25" DIA. X 2.75" D

K-14564 - 36" W X 1.25" DIA. X 2.75" D

K-14565 - 42" W X 1.25" DIA. X 2.75" D

BL - MATT BLACK

ADA COMPLIANT

NOTE:

CR CARD READER - EXISTING

NO DESIGNATION N = NEW

WATER LINE

REQUIRES POWER

PATIENT MONITOR

REQUIRES POWER

MFR / MODEL: GE B155M 15.1" DIAGONAL MONITO

INDICATED DIMENSIONS ARE TO THE CENTER OF THE COVERPLATE OR MONUMENT; CLUSTERS OF OUTLETS ARE DIMENSIONED TO THE CENTER OF THE CLUSTER, U.N.O.; GANG COVERPLATES SHALL BE ONE-PIECE TYPE, U.N.O.

ELECTRICAL SWITCH AND OUTLET COVER PLATES, SURFACE HARDWARE, ETC. SHALL BE INSTALLED AFTER PAINTING AND/OR APPLICATION OF WALLCOVERINGS

POWER/DATA/TELEPHONE REQUIREMENTS FOR OPEN OFFICE WORKSTATIONS TO

"H" INDICATES THAT AN OUTLET SHALL BE MOUNTED HORIZONTALLY.

VERIFY NEW FLUSH FLOOR OUTLET LOCATIONS WITH FURNITURE LAYOUT PRIOR

ALL SWITCHES AND DIMMERS SHALL BE LOCATED 46" ABOVE FINISHED FLOOR TO CENTER OF SWITCH U.O.N.. MULTIPLE SWITCHES AT ONE LOCATION SHALL BE

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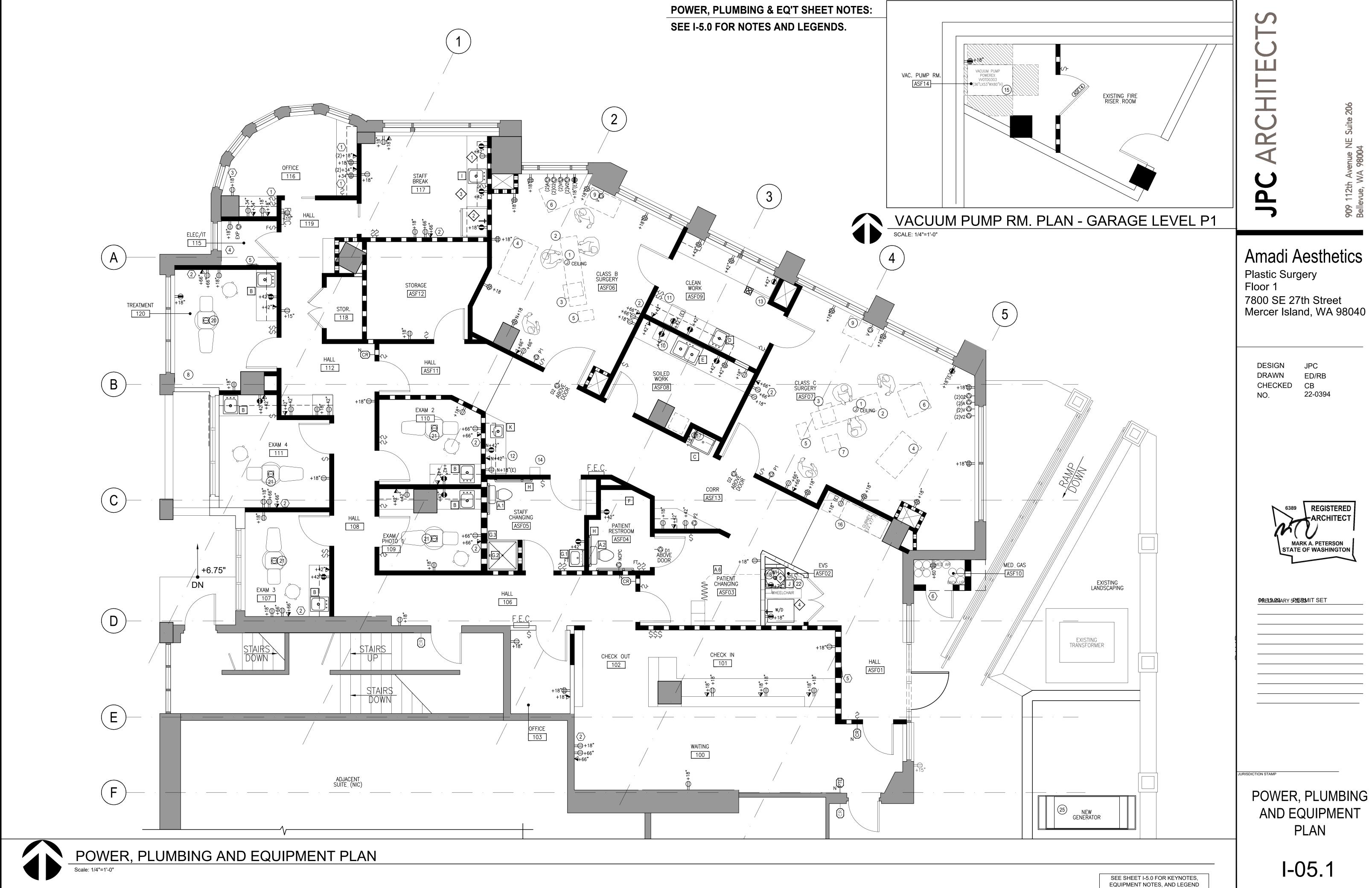


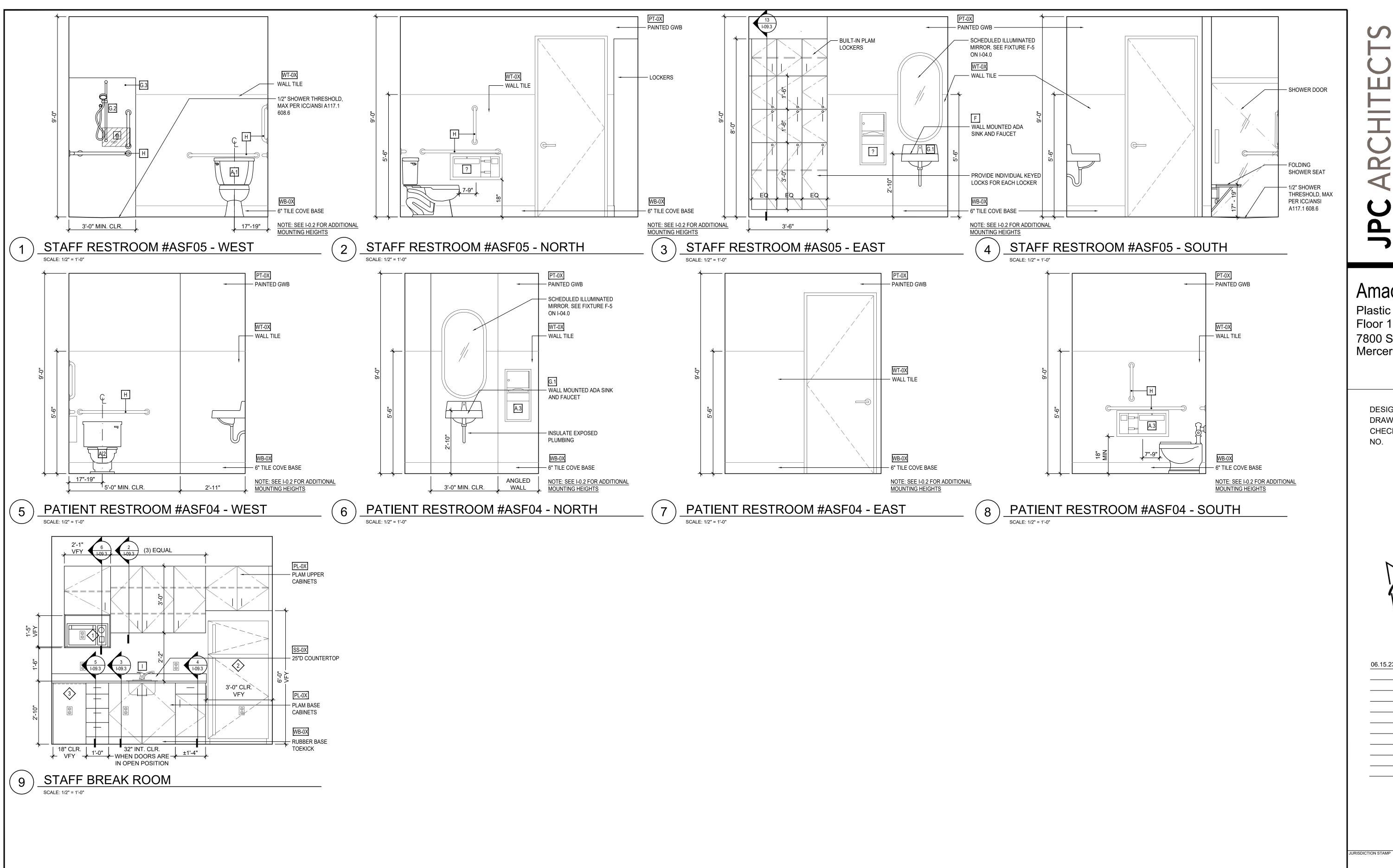
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POWER, PLUMBING AND EQUIPMENT NOTES AND LEGEND

1-05.0





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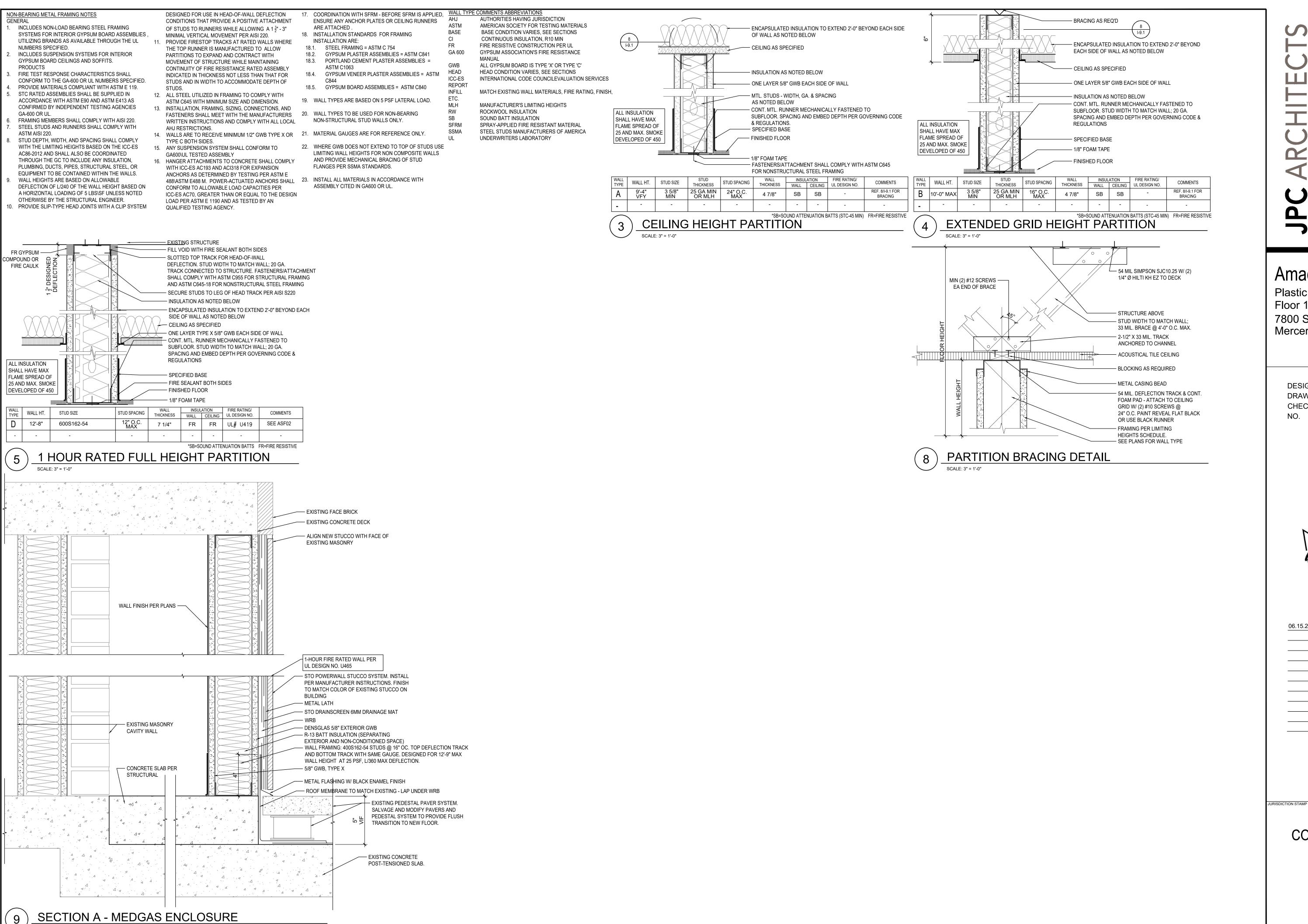
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INTERIOR **ELEVATIONS**

I-08.1



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CONSTRUCTION **DETAILS**

1-09.1

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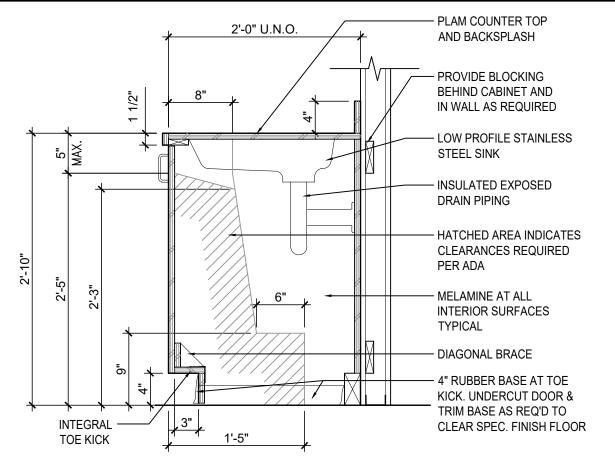
JURISDICTION STAMP

CEILING DETAILS

I-09.2

4" RUBBER BASE -AT TOE KICK

LOCKERS AND UPPER STORAGE CABINET



BASE CABINET WITH SINK, ADA FWD APPROACH

SCALE: 1"=1'-0"

2'-0" U.N.O. PLAM COUNTER TOP AND BACKSPLASH PROVIDE BLOCKING BEHIND CABINET AND 3" WIRE PULLS IN WALL AS REQUIRED PLAM AT ALL - MELAMINE AT ALL EXTERIOR CABINET INTERIORS SURFACES TYPICAL TYPICAL - 3/4" ADJUSTABLE SHELF ON 2" O.C. SHELF CLIPS 4" RUBBER BASE AT TOE KICK

4 BASE CABINET WITH DRAWER

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JURISDICTION STAMP

CASEWORK DETAILS

I-09.3

proprietary channel shaped runners, min width to accommodate stud size, galv steel, attached to floor and ceiling with fasteners RONDO BUILDING SERVICES PTY LTD — Rondo Wall Track

proprietary channel shaped runners, min width to accommodate stud size, galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max. OEG BUILDING MATERIALS — OEG Track

2. Steel Studs — Channel shaped, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5,

2B. Framing Members* - Steel Studs — (As an alternate to Item 2, For use with Items 5C, 5I or Type ULIX) — Proprietary channel shaped studs, 3-5/8 in, deep spaced a max of 24 in, OC. Studs to be cut 3/4 in less than the assembly height and installed with a 1/2 in, gap between the end of the stud and track at the bottom of the wall. For direct attachment of gypsum board only. CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper25TM

2C. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, min depth as ndicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20" MPERIAL MANUFACTURING GROUP INC — Viper20TM

Design No. **U419**

Nonbearing Wall Ratings - 1, 2, 3 or 4 Hr (See Items 4 & 5 through 5J)

* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification

(such as Canada), respectively.

September 5, 2022

1. Floor and Ceiling Runners — (Not Shown) — For use with Item 2 — Channel shaped, fabricated from min 25 MSG corrosionprotected steel, min depth to accommodate stud size, with min 1-1/4 in. long legs, attached to floor and ceiling with fasteners 24 in.

1A. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2B, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max. CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper25™ Track

MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper25™ Track IMPERIAL MANUFACTURING GROUP INC - Viper25™ Track

1B. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2C, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper20™ Track MARINO/WARE DIV OF WARE INDUSTRIES INC — Viner20™ Track

IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track

1C. Framing Members* — Floor and Ceiling Runners — (Not Shown) — In lieu of Item 1 — Channel shaped, attached to floor and ceiling with fasteners 24 in. OC. max. ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20 CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20

QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20 SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30EQD and Type SUPREME D20 STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/30EQD and Type SUPREME D20

TELLING INDUSTRIES L L C — Type SUPREME D24/30EQD and Type SUPREME D20

UNITED METAL PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

1D. Floor and Ceiling Runners — (Not Shown) — For use with Item 2A — Channel shaped, fabricated from min 20 MSG corrosionprotected or galv steel, min depth to accommodate stud size, with min 1 in. long legs, attached to floor and ceiling with fasteners

1E. Framing Members* — Floor and Ceiling Runners — (Not Shown, As an alternate to Item 1) — For use with Items 2E, 5F or 5G or 5I only, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. OC. max.

CLARKDIETRICH BUILDING SYSTEMS — CD ProTRAK DMFCWBS L L C - ProTRAK

MBA METAL FRAMING - ProTRAK RAM SALES L L C — Ram ProTRAK STEEL STRUCTURAL PRODUCTS L L C - Tri-S ProTRAK

STUDCO BUILDING SYSTEMS — CROCSTUD Track

1F. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2F, proprietary channel shaped runners, minimum width to accommodate stud size, with 1-1/8 in. long legs fabricated from min 0.015 in. (min bare metal

thickness) galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

to accommodate stud size attached to floor and ceiling with fasteners 24 in. OC max.

SUPER STUD BUILDING PRODUCTS - The Edge 1G. Framing Members* — Floor and Ceiling Runner — For use with Item 2G, proprietary channel shaped runners, minimum width

1H. Floor and Ceiling Runners — (Not Shown) — Channel shaped, fabricated from min 0.02 in. galv steel, min width to

accommodate stud size, with min 1 in. long legs, for use with studs specified below and fabricated from min 0.018 in. galv steel or thicker, attached to floor and ceiling with fasteners spaced max 24 in, OC. MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper20™ Track VT100 IMPERIAL MANUFACTURING GROUP INC — Viper20™ Track VT100

11. Framing Members* — Floor and Ceiling Runners — (Not Shown, As an alternate to Item 1) — For use with Items 2H, channel shaped, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, attached to floor and ceiling with fasteners 24 in. TELLING INDUSTRIES L L C — TRUE-TRACK™

1J. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2I, proprietary channel shaped runners, 3-5/8 in. deep attached to floor and ceiling with fasteners 24 in. OC max.

1K. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2J, proprietary channel shaped runners, 1-1/4 in. wide by 3-5/8 in. deep fabricated from min 0.018 in. thick galv steel, attached to floor and ceiling with fasteners spaced 24 in. OC max.

1L. Framing Members* — Floor and Ceiling Runner — Not Shown — In Jieu of Item 1 — For use with Item 2N, proprietary channel shaped runners, 1-1/4 in, wide by min. 3-1/2 in, deep fabricated from min 0.018 in, thick galv steel, attached to floor and ceiling with asteners spaced 24 in. OC max. RESCUE METAL FRAMING, L L C - AlphaTRAK

1M. Framing Members* — Floor and Ceiling Runners — Not Shown — As an alternate to Item 1 — For use with Item 2O,

1N. Framing Members* — Floor and Ceiling Runners — Not Shown — As an alternate to Item 1 — For use with Item 2P,

10. Framing Members* — Floor and Ceiling Runner — Not Shown — In lieu of Item 1 — For use with Item 2Q, proprietary channel haped runners, min width to accommodate stud size, fabricated from min. 25 MSG (0.018 in. min. bare metal thickness), attached to floor and ceiling with fasteners spaced 24 in. OC max. CALIFORNIA EXPANDED METAL PRODUCTS CO - Viper X Trac

spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

2A. Steel Studs — (As an alternate to Item 2, For use with Items 5B, 5E, 5H, 5J or Type ULIX) — Channel shaped, fabricated from min 20 MSG corrosion-protected or galv steel, 3-1/2 in, min depth, spaced a max of 16 in, OC. Studs friction-fit into floor and ceiling runners. Studs to be cut 5/8 to 3/4 in. less than assembly height.

CRACO MFG INC — SmartStud25™ MARINO/WARE, DIV OF WARE INDUSTRIES INC — Viper25™ IMPERIAL MANUFACTURING GROUP INC — Viper25™

lengths than assembly heights. CALIFORNIA EXPANDED METAL PRODUCTS CO — Viper2011

2D. Framing Members* — Steel Studs — In lieu of Item 2 — Channel shaped studs, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height. ALLSTEEL & GYPSUM PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

CONSOLIDATED FABRICATORS CORP, BUILDING PRODUCTS DIV — Type SUPREME D24/30EQD and Type SUPREME D20 QUAIL RUN BUILDING MATERIALS INC — Type SUPREME D24/30EQD and Type SUPREME D20

SCAFCO STEEL STUD MANUFACTURING CO — Type SUPREME D24/30EQD and Type SUPREME D20 STEEL CONSTRUCTION SYSTEMS INC — Type SUPREME D24/30EQD and Type SUPREME D20 TELLING INDUSTRIES L L C — Type SUPREME D24/30EQD and Type SUPREME D20

UNITED METAL PRODUCTS INC — Type SUPREME D24/30EQD and Type SUPREME D20

2E. Framing Members* — Steel Studs — (Not Shown, As an alternate to Item 2) — For use with Items 5F or 5G or 5I or Type ULIX only, channel shaped studs, min depth as indicated under Item 5F, 5G or 5I, fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height. CLARKDIETRICH BUILDING SYSTEMS — CD ProSTUD

DMFCWBS L L C - ProSTUD MBA METAL FRAMING — ProSTUD RAM SALES L L C - Ram ProSTUD

STEEL STRUCTURAL PRODUCTS L L C - Tri-S ProSTUD

2F. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, minimum width indicated under Item 5, 1-1/4 in. deep fabricated from min 0.015 in. (min bare metal thickness) galvanized steel. Studs 3/8 in. to 3/4 in. less in lengths than assembly heights.

2 G. Framing Members* - Steel Studs - Not Shown - In lieu of Item 2 - proprietary channel shaped studs, minimum widthindicated under Item 5, Studs to be cut 3/8 to 3/4 in less than the assembly height. STUDCO BUILDING SYSTEMS — CROCSTUD

2H. Framing Members* — Steel Studs — (Not Shown, As an alternate to Item 2) — Fabricated from min. 0.015 in. (min bare metal thickness) galvanized steel, spaced a max of 24 in. OC. Studs to be cut 3/4 in. less than assembly height. TELLING INDUSTRIES L L C — TRUE-STUD™

21. Framing Members* — Steel Studs —

2J. Framing Members* — Metal Studs — Not Shown — In lieu of Item 2 — proprietary channel shaped steel studs, min depth as dicated under Item 5, spaced a max if 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights

2K. Framing Members* — Steel Studs — As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height.

EB METAL INC - NITROSTUD

RONDO BUILDING SERVICES PTY LTD — Rondo Lipped Wall Stud

2L. Framing Members* — Steel Studs — As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height. OLMAR SUPPLY INC - PRIMESTUD

2M. Framing Members* — Steel Studs — As an alternate to Item 2 — For use with Item 1, channel shaped studs, fabricated from min 25 MSG corrosion-protected steel, min depth as indicated under Item 5, spaced a max of 24 in. OC. Studs to be cut 3/8 to 3/4 in. less than assembly height. MARINO/WARE, DIV OF WARE INDUSTRIES INC - StudRite™

2N. Framing Members*— Steel Studs — As an alternate to Item 2 — proprietary channel shaped steel studs, min depth 3-1/2 in. and as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min 0.018 in. thick galv steel. Studs cut 3/8 in. to 3/4 in. less RESCUE METAL FRAMING, L L C - AlphaSTUD

20. Framing Members* — Steel Studs — As an alternate to Item 2 — proprietary channel shaped steel studs, min width as indicated under Item 5, galv steel. Studs to be cut 3/8 to 3/4 in. less in lengths than assembly height. Spaced 24 in. OC max.

2P. Framing Members* — Steel Studs — As an alternate to Item 2 — proprietary channel shaped steel studs, min width as indicated under Item 5, min 25 MSG galv steel. Studs to be cut 3/8 to 3/4 in. less in lengths than assembly height. Spaced 24 in. OC max.

2Q. Framing Members* — Steel Studs — Not Shown — In lieu of Item 2 — For use with Item 10, proprietary channel shaped steel studs, min depth as indicated under Item 5, spaced a max of 24 in. OC, fabricated from min 25 MSG (0.018 in. min. bare metal thickness). Studs cut 3/8 in. to 3/4 in. less in lengths than assembly heights. CALIFORNIA EXPANDED METAL PRODUCTS CO - Viper X

3. Wood Structural Panel Sheathing — (Optional, For use with Item 5 Only) — (Not Shown) — 4 ft wide, 7/16 in. thick oriented strand board (OSB) or 15/32 in. thick structural 1 sheathing (plywood) complying with DOC PS1 or PS2, or APA Standard PRP-108, manufactured with exterior glue, applied horizontally or vertically to the steel studs. Vertical joints centered on studs, and staggered one stud space from wallboard joints. Attached to studs with flat-head self-drilling tapping screws with a min. head diam. of 0.292 in. at maximum 6 in. OC. in the perimeter and 12 in. OC. in the field. When used, gypsum panels attached over OSB or plywood panels and fastener lengths for gypsum panels increased by min. 1/2 in.

4. Batts and Blankets* — (Required as indicated under Item 5) — Mineral wool batts, friction fitted between studs and runners. Min nom thickness as indicated under Item 5. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

4A. Batts and Blankets* — (Optional) — Placed in stud cavities, any glass fiber or mineral wool insulation bearing the UL Classification Marking as to Surface Burning Characteristics and/or Fire Resistance. See Batts and Blankets (BKNV or BZJZ) Categories for names of Classified companies.

4B. Fiber, Sprayed* — (Optional, for use with Type ULIX) Where insulation is required - Spray applied granulated mineral fiber material. The fiber is applied with adhesive at a minimum density of 4.0 pcf to completely fill the wall cavity in accordance with the application instructions supplied with the product. See Fiber, Sprayed (CCAZ). MERICAN ROCKWOOL MANUFACTURING, LLC — Type Rockwool Premium Plus

4C. Foamed Plastic* — (Where Batts and Blankets*, Item 4, are optional, for use with Item 5K) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for 2 hour rated assemblies only. When foamed plastic is used, minimum stud depth

CARLISLE SPRAY FOAM INSULATION — Types SealTite Pro Closed Cell (CC), SealTite Pro Open Cell (OC), SealTite Pro OCX, SealTite Pro No Trim 21, SealTite Pro One Zero, Foamsulate Closed Cell, Foamsulate OCX, Foamsulate 70, and Foamsulate HFO.

4D. Foamed Plastic* — (Where Batts and Blankets*, Item 4, are optional, for use with Item 5L) — Spray applied, foamed plastic insulation, at any thickness from partial fill to completely filling stud cavity, for up to 2 hour rated assemblies only. When foamed plastic is used, minimum stud depth shall be 3-1/2 in. with minimum 20 MSG steel thickness. BASF CORP - Enertite® NM, Enertite® G, FE178®, Spraytite® 178, Spraytite® 81206, Walltite® 200, Walltite® US, Walltite® US-N, Walltite HP+,

FE137®, FE158®, Spraytite® 158, Spraytite® SP and Spraytite® 81205

5. Gypsum Board* — Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers (multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) with Type ULIX need not be staggered. The thickness and number of layers for the 1 hr, 2 hr, 3 hr and 4 hr ratings are as follows:

Gypsum Board Protection on Each Side of Wall

| Rating, Hr | Min Stud Depth, in. Items 2, 2C, 2D, 2F, 2G, 2O | No. of Layers & Thkns of Panel | Min Thkns of Insulation (Item 4) |
|------------|--|---|---|
| ř | 3-1/2 | 1 layer, 5/8 in. thick | Optional |
| 1 | 2-1/2 | 1 layer, 1/2 in. thick | 1-1/2 in. |
| 1 | 1-5/8 | 1 layer, 3/4 in. thick | Optional |
| 2 | 1-5/8 | 2 layers, 1/2 in. thick | Optional |
| 2 | 1-5/8 | 2 layers, 5/8 in. thick | Optional |
| 2 | 3-1/2 | 1 layer, 3/4 in. thick | 3 in. |
| 3 | 1-5/8 | 3 layers, 1/2 in. thick | Optional |
| 3 | 1-5/8 | 2 layers, 3/4 in. thick | Optional |
| 3 | 1-5/8 | 3 layers, 5/8 in. thick | Optional |
| 4 | 1-5/8 | 4 layers, 5/8 in. thick | Optional |
| 4 | 1-5/8 | 4 layers, 1/2 in. thick | Optional |
| 1 | 2-1/2 | 2 layers, 3/4 in. thick | 2 in. |

CGC INC -- 1/2 in. thick Type C, IP-X2 or IPC-AR; WRC, 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX, WRX or WRC; 3/4 in.

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — 1/2 in. thick Type C and 5/8 in. thick Type SCX

UNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type SCX, SGX, SHX, ULIX, WRX, IP-X1, AR, C, WRC, FRX-G, IP-AR, IP-X2, IPC-AR; 3/4 in. thick Types IP-X3 or ULTRACODE USG BORAL DRYWALL SFZ LLC — 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, ULTRACODE

USG MEXICO S A DE C V — 1/2 in. thick Type C, IP-X2, IPC-AR or WRC; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, WRX, WRC or; 3/4 in. thick Types IP-X3 or ULTRACODE

When Item 7B, Steel Framing Members*, is used, Nonbearing Wall Rating is limited to 1 Hr. Min. stud depth is 3-1/2 in., min. thickness of insulation (Item 4) is 3 in., and two layers of gypsum board panels (1/2 in. or 5/8 in. thick) shall be attached to furring channels as described in Item 6. One layer of gypsum board panels (1/2 in. or 5/8 in. thick) attached to opposite side of stud without furring channels as described in Item

5A. Gypsum Board* — (As an alternate to Item 5) — 5/8 in. thick, 24 to 54 in. wide, applied horizontally as the outer layer to one side of the assembly. Secured as described in Item 6 CGC INC — Type SHX.

UNITED STATES GYPSUM CO - Type FRX-G, SHX. USG MEXICO S A DE C V — Type SHX.

5B. Gypsum Board* — (Not Shown) — As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 in or 3/4 in. thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 3) — Nom 5/8 in. or 3/4 in. may be used as alternate to all 5/8 in. or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 in. or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Gypsum board secured to 20 MSG steel studs Item 2A with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. To be used with Lead Batten Strips (see Item 11) or Lead Discs or Tabs (see Item 12). RAY-BAR ENGINEERING CORP - Type RB-LBG

5C. Gypsum Board* — (For Use With Item 2B) — Rating Limited to 1 Hour. 5/8 in. thick, 48 in. wide, Gypsum panels with beveled, square or tapered edges, applied vertically or horizontally. (Vertical Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. Vertical joints are to be centered over studs and staggered one stud cavity on opposite sides of studs. (Horizontal Application) - The gypsum board is to be installed on each side of the studs with 1 in. long Type S coated steel screws spaced 8 in. OC starting 4 in. from the edge of the board at the vertical edges and 12 in. OC starting 6 in. from the edge of the board at the center of each board. Gypsum boards are to be secured to the top and bottom track with screws spaced 8 in. OC starting 4 in. from the board edge. Fasteners shall not penetrate through both the stud and the track at the same time. All horizontal joints are to be backed as outlined under section VI of Volume 1 in the Fire Resistive Directory.

CGC INC — Type SCX, ULIX. THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO - Type SCX UNITED STATES GYPSUM CO - Type SCX, SGX, ULIX.

USG BORAL DRYWALL SFZ LLC — Type SCX USG MEXICO S A DE C V — Type SCX

5D. Gypsum Board* — (As an alternate to Item 5) — 5/8 in. thick, 48 in. wide, applied vertically or horizontally. Secured as described in Item 6. For use with Items 1 and 2 only. CGC INC — Type USGX

UNITED STATES GYPSUM CO — Type USGX USG BORAL DRYWALL SFZ LLC - Type USGX

USG MEXICO S A DE C V — Type USGX

5E. Gypsum Board* — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2A, not to be used with Item 3). Nominal 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and aggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 (or No. 6 by 1-1/4 in. long bugle head fine driller) steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. NEW ENGLAND LEAD BURNING CO INC. DBA NELCO - Nelco

5F. Gypsum Board* — (As an alternate to Item 5) — For use with Items 1E and 2E and limited to 1 Hour Rating only, Gypsum panels with beveled, square or tapered edges, applied vertically, and fastened to the steel studs with 1 in. long Type S screws spaced 8 in. OC along vertical and bottom edges and 12 in. OC in the field. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Steel stud depth shall be a minimum 3-5/8 in. THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — Type SCX

UNITED STATES GYPSUM CO - 5/8 in. thick Type SCX, SGX, ULIX USG BORAL DRYWALL SFZ LLC - 5/8 in. thick Type SCX, SGX

5G. **Gypsum Board*** — (As an alternate to Item 5) — For use with Items 1E and 2E only, Gypsum panels with beveled, square or apered edges, applied vertically or horizontally, as specified in the table below and fastened to the steel studs as described in Item 6. Vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Vertical joints in adjacent layers multilayer systems) staggered one stud cavity. Horizontal joints need not be backed by steel framing. Horizontal edge joints and horizontal butt joints on opposite sides of studs need not be staggered. Horizontal edge joints and horizontal butt joints in adjacent layers (multilayer systems) staggered a min of 12 in. The thickness and number of layers for the 2 hr, 3 hr and 4 hr ratings are as

| | Gypsı | ım Board Protection on Each Side o | f Wall |
|---------------|-----------------------------------|--|--|
| Rating, Hr | Min Stud Depth, in. Item 2E | No. of Layers & Thickness of Panel | Min Thkns of Insulation (Item 4) |
| 2 | 1-5/8 | 2 layers, 1/2 in. thick | Optional |
| 2 | 1-5/8 | 2 layers, 5/8 in. thick | Optional |
| 3 | 1-5/8 | 3 Jayers, 1/2 in. thick | Optional |
| 3 | 1-5/8 | 3 layers, 5/8 in. thick | Optional |
| 4 | 1-5/8 | 4 layers, 5/8 in. thick | Optional |
| 4 | 1-5/8 | 4 layers, 1/2 in. thick | Optional |

CGC INC — 1/2 in, thick Type C, IP-X2 or IPC-AR;, 5/8 in, thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, ULIX or 3/4 in, thick Types IP-X3

THE SIAM GYPSUM INDUSTRY (SONGKHLA) CO — 1/2 in. thick Types C and 5/8 in. thick SCX UNITED STATES GYPSUM CO — 1/2 in. thick Type C, IP-X2, IPC-AR or, 5/8 in. thick Type SCX, SGX, SHX, IP-X1, AR, C, , FRX-G, IP-AR, IP-X2, IPC-AR, ULIX; 3/4 in. thick Types IP-X3 or ULTRACODE USG BORAL DRYWALL SFZ LLC - 1/2 in. Type C; 5/8 in. Types C, SCX, SGX, ULTRACODE

USG MEXICO S A DE C V - 1/2 in. thick Type C, IP-X2, IPC-AR or; 5/8 in. thick Type AR, C, IP-AR, IP-X1, IP-X2, IPC-AR, SCX, SHX, or; 3/4 in. thick

5H. Gypsum Board* — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 5/8 or 3/4 in thick products are specified. For direct attachment only to steel studs Item 2A, (not to be used with Item 3) - Nom 5/8 or 3/4 in. may be used as alternate to all 5/8 or 3/4 in. shown in Item 5, Wallboard Protection on Each Side of Wall table. Nom 5/8 or 3/4 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over 20 MSG steel studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Gypsum board secured to 20 MSG steel studs Item 2B with 1-1/4 in. long Type S-12 steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. For Joint Compound see Item 5. To be used with Lead Batten Strips (see Item 11A) or Lead Discs (see Item 12A).

51, Gypsum Board* — (As an alternate to Item 5) — Nom, 5/8 in, thick gypsum panels with beveled, square or tapered edges installed as described in Item 5. Steel stud minimum depth shall be as indicated in Item 5

UNITED STATES GYPSUM CO — Type ULIX, ULX USG MEXICO S A DE C V - Type ULX

5J. Gypsum Board* — (Not Shown) — (As an alternate to Item 5 when used as the base layer on one or both sides of wall when 1/2 in. or 5/8 in thick products are specified, For direct attachment only to steel studs Item 2A, not to be used with Item 3). Nom 5/8 in. thick lead backed gypsum panels with beveled, square or tapered edges, applied vertically. Vertical joints centered over studs and staggered min 1 stud cavity on opposite sides of studs. Wallboard secured to studs with 1-1/4 in. long Type S-12 steel screws gypsum panel steel screws spaced 8 in. OC at perimeter and 12 in. OC in the field. Lead batten strips required behind vertical joints of lead backed gypsum wallboard and optional at remaining stud locations. Lead batten strips, min 2 in. wide, max 8 ft long with a max thickness of 0.14 in. placed on the face of studs and attached to the stud with construction adhesive and two 1 in. long Type S-12 pan head steel screws, one at the top of the strip and one at the bottom of the strip. Lead discs, nominal 3/8 in. diam by max 0.085 in. thick. Compression fitted or adhered over the screw heads. Lead batten strips and discs to have a purity of 99.9% meeting the Federal specification QQ-L-201f, Grade "C". RADIATION PROTECTION PRODUCTS INC — Type RPP - Lead Lined Drywall

5K. Gypsum Board* — (As an alternate to Item 5 when Foam Plastic insulation (Item 4C) is used) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 5 above. Applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Gypsun panels secured to studs with 1 in. long Type S steel screws spaced 8 in. OC at perimeter and in the field. For 2 layer assemblies outer layer will be attached to studs over inner layer with the 1-5/8 in. long steel screws spaced 8 in. OC.

5L. Gypsum Board* — (As an alternate to Item 5 when Foam Plastic insulation (Item 4D) is used) — Any 5/8 in. thick, 4 ft. wide, Gypsum Board listed in Item 5 above. Applied vertically with vertical joints centered over studs and staggered one stud cavity on opposite sides of studs. Gypsum panels secured to studs with 1-1/4 in. long Type S steel screws spaced 8 in. OC at perimeter and in the field. For 2 layer assemblies outer layer will be attached to study over inner layer with the 1-7/8 in. long steel screws spaced 8 in.

6. Fasteners — (Not Shown) — For use with Items 2 and 2F - Type S or S-12 steel screws used to attach panels to studs (Item 2) or furring channels (Item 7). Single layer systems: 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 8 in. OC when panels are applied horizontally, or 8 in. OC along vertical and bottom edges and 12 in. OC in the field when panels are applied vertically. Single layer system with Type ULIX: 1 in. long, spaced 12 in. OC in the field and perimeter, when panels are applied horizontally or vertically. Two layer systems: First layer- 1 in. long for 1/2 and 5/8 in. thick panels or 1-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels or 2-1/4 in. long for 3/4 in. thick panels, spaced 16 in. OC with screws offset 8 in. from first layer. Three-layer systems: First layer-1 in. long for 1/2 in., 5/8 in. thick panels,

spaced 24 in. OC. Second layer- 1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in., 5/8 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from layer below. Four-layer systems: First layer-1 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Second layer-1-5/8 in. long for 1/2 in., 5/8 in. thick panels, spaced 24 in. OC. Third layer- 2-1/4 in. long for 1/2 in. thick panels or 2-5/8 in. long for 5/8 in. thick panels, spaced 24 in. OC. Fourth layer- 2-5/8 in. long for 1/2 in. thick panels or 3 in. long for 5/8 in. thick panels, spaced 12 in. OC. Screws offset min 6 in. from

7. Furring Channels — (Optional, Not Shown, for single or double layer systems) — Resilient furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. OC. Flange portion attached to each intersecting stud with 1/2 in. long Type S-12 steel screws. Not for use with Item 5A.

7A. Framing Members* — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below: a. Furring Channels — Formed of No. 25 MSG galv steel. 2-9/16 in. or 2-23/32 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in

b. Steel Framing Members* — Used to attach furring channels (Item 7Aa) to studs (Item 2). Clips spaced max. 48 in, OC. RSIC-1 and RSIC-1 (2.75) clips secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. RSIC-V and RSIC-V (2.75) clips secured to studs with No. 8 x 9/16 in. minimum self-drilling, S-12 steel screw through the center hole. Furring channels are friction fitted into clips. RSIC-1 and RSIC-V clips for use with 2-9/16 in. wide furring channels. RSIC-1 (2.75) and RSIC-V (2.75) clips for use with 2-23/32 in. wide furring channels. PAC INTERNATIONAL L L C — Types RSIC-1, RSIC-V, RSIC-1 (2.75), RSIC-V (2.75).

7B. Framing Members* — (Optional, Not Shown) — As an alternate to Item 7, for single or double layer systems, furring channels and Steel Framing Members on only one side of studs as described below: a. Furring Channels — Formed of No. 25 MSG galv steel, spaced 24 in. OC perpendicular to studs, Channels secured to studs as described in Item b. Batts and Blankets placed in stud cavity as described in Item 5. Two layers of gypsum board attached to furring channels as described in Item 5. Not for use with Item 5A.

 Steel Framing Members* — Used to attach furring channels (Item 7Ba) to one side of studs (Item 2) only. Clips spaced 48 in. OC and secured to studs with two No. 8 x 2-1/2 in. coarse drywall screws, one through the hole at each end of the clip. Furring channels KINETICS NOISE CONTROL INC - Type Isomax

7C. Framing Members* — (Not Shown) — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below: a. Furring Channels — Formed of No. 25 MSG galv steel. 2-3/8 in. wide by 7/8 in. deep, spaced max. 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for use with

b. Steel Framing Members* — Used to attach furring channels (Item 7Ca) to studs (Item 2). Clips spaced max. 48 in. OC. GENIECLIPS secured to studs with No. 8×1 -1/2 in. minimum self-drilling, S-12 steel screw through the center grommet. Furring channels are friction fitted into clips. PLITEQ INC - Type GENIECLIP

7D. Steel Framing Members* — (Optional on one or both sides, not shown, for single or double layer systems) — Furring channels and Steel Framing Members as described below: a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire.. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A.

b. Steel Framing Members* — Used to attach furring channels (Item 7Da) to studs. Clips spaced 48 in. OC., and secured to studs with 2 in. coarse drywall screw with 1 in. diam washer through the center hole. Furring channels are friction fitted into clips STUDCO BUILDING SYSTEMS — RESILMOUNT Sound Isolation Clips - Type A237 or A237R

7E. Steel Framing Members* — (Optional on one or both sides, not shown, for single or double layer systems) — Furring channels and Steel Framing Members as described below: a. Furring Channels — Formed of No. 25 MSG galv steel. Spaced 24 in. OC perpendicular to studs. Channels secured to studs as described in Item 7Eb. Ends of adjoining channels overlapped 6 in. and tied together with double strand of No. 18 AWG galvanized steel wire.. Gypsum board attached to furring channels as described in Item 6. Not for use with Item 5A and 5E.

b. Steel Framing Members* — Used to attach furring channels (Item 7Ea) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Furring channels are friction fitted into clips. REGUPOL AMERICA — Type SonusClip

 $7F. \textbf{Steel Framing Members*} \ -- (Optional on one or both sides, not shown, for single or double layer systems) \ -- Resilient channels of the steel of the s$ and Steel Framing Members as described below: a. Resilient Channels — Formed of No. 25 MSG galv steel, spaced 24 in. OC, and perpendicular to studs. Channels secured to studs as described in Item b. Ends of adjoining channels overlapped 6 in. and secured in place with two No. 8 15 x 1/2 in. Philips Modified Truss screws spaced 2-1/2 in. from the center of the overlap. Gypsum board attached to resilient channels as described in Item 5. Not for use with Item 5A and 5E.

b. Steel Framing Members* — Used to attach resilient channels (Item 7Fa) to studs. Clips spaced 48 in. OC., and secured to studs with No. 8 x 2-1/2 in. coarse drywall screw through the center hole. Resilient channels are secured to clips with one No. 10 x 1/2 in. pan-head self-drilling screw. KEENE BUILDING PRODUCTS CO INC — Type RC+ Assurance Clip

7G. Framing Members* — (Optional on one or both sides, not shown, for single or double layer systems) — As an alternate to Item 7, furring channels and Steel Framing Members as described below: a, Furring Channels — Formed of No. 25 MSG galv steel, 2-23/32 in, wide by 7/8 in, deep, spaced max, 24 in, OC perpendicular to studs. Channels secured to studs as described in Item b. Gypsum board attached to furring channels as described in Item 6. Not for

b. Steel Framing Members* — Used to attach furring channels (Item 7Ga) to studs (Item 2). Clips spaced max. 48 in. OC. Clips secured to studs with No. 8 x 1-1/2 in. minimum self-drilling, S-12 steel screw through the center hole. Furring channels are friction CLARKDIETRICH BUILDING SYSTEMS — Type ClarkDietrich Sound Clip

8. Joint Tape and Compound — Vinyl or casein, dry or premixed joint compound applied in two coats to joints and screw heads of outer layers. Paper tape, nom 2 in. wide, embedded in first layer of compound over all joints of outer layer panels. Paper tape and joint compound may be omitted when gypsum panels are supplied with a square edge.

attached to each stud with steel screws, not more than each sixth course of brick. $10. \textbf{ Caulking and Sealants*} \ -- \text{ (Optional, Not Shown)} \ -- \text{ A bead of acoustical sealant applied around the partition perimeter for a constitution of the partition of the partition$

UNITED STATES GYPSUM CO - Type AS

requirements of local code agencies, installed over gypsum panels. Brick veneer attached to studs with corrugated metal wall ties

9. Siding, Brick or Stucco — (Optional, Not Shown) — Aluminum, vinyl or steel siding, brick veneer or stucco, meeting the

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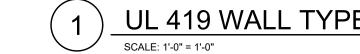
7800 SE 27th Street Mercer Island, WA 98040

> CHECKED 22-0394



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URISDICTION STAMP



- 1. GYPSUM WALL ASSEMBLY (UL/ULC CLASSIFIED U400 SERIES) (1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN).
- 2. OPENING TO BE "FRAMED OUT" WITH LIGHTGAGE STEEL STUDS (MIN. 3-1/2" WIDE). 3. PENETRATING ITEMS TO BE ONE OR MORE OF THE FOLLOWING:
- MAXIMUM 2" NOMINAL DIAMETER STEEL CONDUIT.
- MAXIMUM 2" NOMINAL DIAMETER EMT. 4. HILTI CP 620 FIRE FOAM INSTALLED FLUSH WITH BOTH SURFACES OF THE WALL:
- MAXIMUM 4-3/4" THICKNESS, FOR A 1-HR. FIRE-RATING. MAXIMUM 6" THICKNESS, FOR A 2-HR. FIRE-RATING.

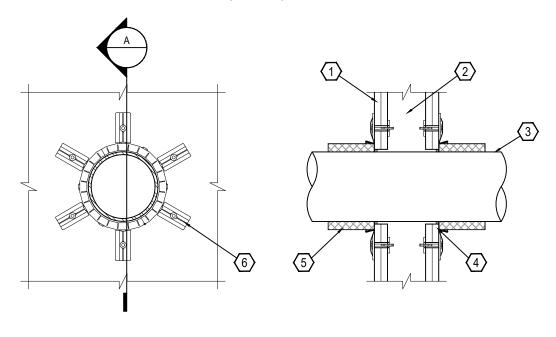
FRONT VIEW

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

- MAXIMUM SIZE OF OPENING = 30" X 12".
- ANNULAR SPACE BETWEEN PIPES = MINIMUM 0", MAXIMUM 3-3/8".

ANNULAR SPACE BETWEEN PIPES AND PERIPHERY OF OPENING = MINIMUM 0",

UL SYSTEM NO. W-L-2078 PLASTIC PIPE THROUGH 1-HR. OR 2-HR. GYPSUM WALL ASSEMBLY F-RATING = 1-HR. OR 2-HR. T-RATING = 1-HR. OR 2-HR.



1. GYPSUM WALL ASSEMBLY (UL CLASSIFIED U300 OR U400 SERIES) (1-HR. OR 2-HR. FIRE-RATING)

SECTION A

- (NOT SHOWN). WOOD STUDS TO CONSIST OF NOMINAL 2" X 4" LUMBER. STEEL STUDS TO BE
- MINIMUM 2-1/2" WIDE. PENETRATING ITEMS TO BE ONE OF THE FOLLOWING (SEE NOTE #3 BELOW):
- MAXIMUM 6" NOMINAL DIAMETER PVC PLASTIC PIPE (CELLULAR OR SOLID CORE). MAXIMUM 6" NOMINAL DIAMETER ABS PLASTIC PIPE (CELLULAR OR SOLID CORE).
- MAXIMUM 6" NOMINAL DIAMETER FRPP PLASTIC PIPE.
- MAXIMUM 6" NOMINAL DIAMETER CPVC PLASTIC PIPE.

FRONT VIEW

- SEE NOTE #1 BELOW.
- 5. HILTI CP 642 OR HILTI CP 643 FIRESTOP COLLAR (SEE TABLE BELOW).

| 6. | FASTEN EACH MOUNTING TAB TO WALL ASSEMBLY WITH APPROPRIATE HILTI ANCHOR |
|----|---|
| | |
| | |

| NOM. PIPE DIA. | PRODUCT DESCRIPTION | NO. OF MOUNTING TABS | MAX. HOLE SIZE |
|----------------|---------------------|----------------------|----------------|
| 1-1/2" | CP 643 50/1.5" | 2 | 2-1/8" |
| 2" | CP 643 63/2" | 2 | 2-5/8" |
| 3" | CP 643 90/3" | 3 | 4" |
| 4" | CP643 110/4" | 3 | 5" |
| 6" | CP642 160/6" | 6 | 7" |

- 1. TO IMPEDE COLD SMOKE, PROVIDE 1/4" DEPTH HILTI FS-ONE INTUMESCENT FIRE-STOP SEALANT IN ANNULAR SPACE AROUND PLASTIC PIPE.
- ANNULAR SPACE = MINIMUM 0", MAXIMUM 1/2". CLOSED OR VENTED PIPING SYSTEM. (PVC, ABS, FRPP = SCH. 40, CPVC = SDR 17).

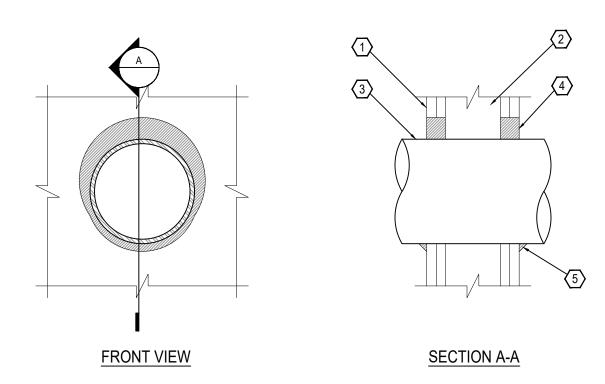
PLASTIC PIPE THROUGH RATED WALL

SECTION A

METAL PIPE THROUGH 1-HR. OR 2-HR. GYPSUM WALL ASSEMBLY T-RATING = 0-HR. L-RATING AT AMBIENT = LESS THAN 1 CFM/SQ. FT. L-RATING AT 400°F = 4 CFM/SQ. FT.

UL/cUL SYSTEM NO. W-L-1054

CONDUITS THROUGH RATED WALL



- 1. GYPSUM WALL ASSEMBLY (UL/ULC CLASSIFIED U300 OR U400 SERIES) (1-HR. OR 2-HR.
- FIRE-RATING) (2-HR. SHOWN). 2. (NOT SHOWN). WOOD STUDS TO CONSIST OF NOMINAL 2" x 4" LUMBER. STEEL STUDS TO BE MINIMUM 2-1/2" WIDE.
- 3. PENETRATING ITEM TO BE ONE OF THE FOLLOWING:
 - MAXIMUM 30" DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER).
 - MAXIMUM 30" DIAMETER CAST IRON PIPE.

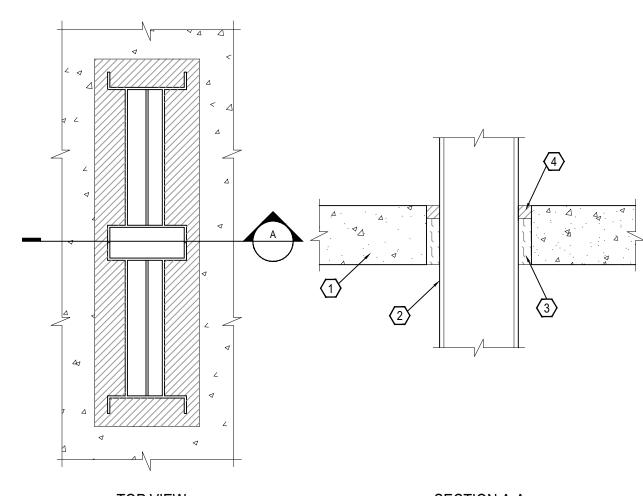
PIPE THROUGH RATED WALL

- MAXIMUM 6" NOMINAL DIAMETER COPPER PIPE MAXIMUM 6" NOMINAL DIAMETER STEEL CONDUIT. E. MAXIMUM 4" NOMINAL DIAMETER
- 4. HILTI FS-ONE HIGH PERFORMANCE INTUMESCENT FIRESTOP SEALANT : A. MINIMUM 5/8", FOR A
- 1-HR. FIRE-RATING. B. MINIMUM 1-1/4" DEPTH, FOR A 2-HR. FIRE-RATING. 5. MINIMUM 1/2" BEAD HILTI FS-ONE HIGH PERFORMANCE INTUMESCENT FIRESTOP SEALANT AT
- POINT OF CONTACT.

- MAXIMUM DIAMETER OF OPENING : A. 32-1/4" FOR STEEL STUD WALLS.
- B. 14-1/2" FOR WOOD STUD WALLS.
- 2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 2-1/2".

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

UL/cUL SYSTEM NO. CAJ6017 ELECTRICAL BUSWAY THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL T-RATING = 0-HR.



TOP VIEW SECTION A-A

- 1. CONCRETE FLOOR OR WALL ASSEMBLY (3-HR FIRE-RATING):
 - A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR OR WALL (MIN. 4-1/2" THICK). B. ANY UL/ULC CLASSIFIED CONCRETE BLOCK WALL
- ELECTRICAL BUSWAY (NOMINAL 26" WIDE BY 6" DEEP, OR SMALLER) ("I" SHAPED STEEL ENCLOSURE CONTAINING FACTORY MOUNTED ALUMINUM BARS RATED FOR 600V OR 4000A).
- MINIMUM 3-1/2" THICKNESS MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED.
- 4. MINIMUM 1" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT.

- 1. MAXIMUM AREA OF OPENING IS 224 SQUARE INCHES WITH A MAXIMUM DIMENSION OF
- MINIMUM 1" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT IS REQUIRED ON BOTH SIDES OF A WALL.

ELECTRICAL BUS THRU RATED ASSEMBLY

GROUP OF PENETRATIONS

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

1. MAXIMUM AREA OF OPENING = 1296 SQUARE INCHES, WITH MAXIMUM

4. MAXIMUM AREA OF CABLES EQUALS 30% OF CROSS-SECTIONAL AREA

APPLY HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT INTO

ANNULAR SPACE FOR CABLE TRAY = MINIMUM 1-1/2", MAXIMUM 4-1/2".

ANNULAR SPACE FOR PIPE AND CABLE PENETRATIONS = MINIMUM 1",

INTERSTICES OF CABLES, BETWEEN CABLES AND CABLE TRAY, AND ANY

WIRE MESH (NOT SHOWN). WHEN THE ANNULAR SPACE EXCEEDS 4-1/2",

A NOMINAL 2 IN. SQ., NO. 16 SWG WIRE MESH SHALL BE USED TO KEEP

UL/cUL SYSTEM NO. W-L-5029

INSULATED METAL PIPE THROUGH 1-HR. OR 2-HR. GYPSUM WALL ASSEMBLY

F-RATING = 1-HR. AND 2-HR.

T-RATING = 1/2-HR., 3/4-HR., 1-HR. AND 1-3/4-HR. (SEE U.L. FIRE RESISTANCE DIRECTORY)

L-RATING AT AMBIENT = 4 CFM/SQ. FT. L RATING AT 400° F = LESS THAN 1 CFM/SQ. FT.

GYPSUM WALL ASSEMBLY (UL/ULC CLASSIFIED U300 OR U400 SERIES) (1-HR. OR 2-HR.

2. (NOT SHOWN). WOOD STUDS TO CONSIST OF NOMINAL 2" X 4" LUMBER. STEEL STUDS TO BE

MAXIMUM 12" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 20 OR HEAVIER).

MINIMUM 5/8" DEPTH HILTI FS-ONE HIGH PERFORMANCE INTUMESCENT FIRESTOP SEALANT.

MINIMUM 1/2" BEAD HILTI FS-ONE HIGH PERFORMANCE INTUMESCENT FIRESTOP SEALANT AT

UL/cUL SYSTEM NO. CAJ8056 MULTIPLE PENETRATING ITEMS THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL

A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR OR WALL (MIN. 4-1/2" THICK).

ANY COMBINATION OF THE FOLLOWING CABLES MAY BE USED WITHIN THE CABLE TRAY

PENETRATING ITEMS TO BE ANY OF THE FOLLOWING: MAXIMUM 6" NOMINAL DIAMETER

MAXIMUM 2" CABLE BUNDLE TO BE A COMBINATION OF ANY OF THE FOLLOWING:

STEEL PIPE OR STEEL CONDUIT; MAXIMUM 6" NOMINAL DIAMETER CAST IRON PIPE; OR

F. 24 FIBER-OPTIC CABLE (MAX. 1/2" DIA.). 7. HILTI FS 657 FIRE BLOCK (2" THICK x 5" WIDE

L RATING AT AMBIENT = 5 CFM/SQ. FT.

SECTION A-A

L RATING AT 400° = 2 CFM/SQ. FT.

SECTION A

FRONT VIEW

3. PENETRATING ITEMS TO BE ONE OF THE FOLLOWING:

MAXIMUM 4" NOMINAL DIAMETER EMT

MAXIMUM 2" THICK GLASS-FIBER PIPE INSULATION.

MAXIMUM DIAMETER OF OPENING = 18".

2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 1-7/8"

T-RATING = 0-HR.

MAXIMUM 3'0"

TOP VIEW

(SEE NOTE NO. 4 BELOW):

1. CONCRETE FLOOR OR WALL ASSEMBLY (3-HR FIRE-RATING):

B. ANY UL/ULC CLASSIFIED CONCRETE BLOCK WALL

A. 7/C NO. 12 AWG COPPER CONDUCTOR CABLE. B. 24 FIBER-OPTIC CABLE (MAX. 1/2" DIAMETER).

C. MAX. 500 KCMIL SINGLE CONDUCTOR CABLE.

MAXIMUM 1-1/2" GLASS FIBER INSULATION.

B. 3/C NO. 8 ALUMINUM CLAD CABLE.

C. 25 PAIR NO. 24 AWG TELEPHONE CABLE.

A. 7/C NO. 12 AWG CABLE.

D. RG 62A COAXIAL CABLE.

E. ROMEX (2/C NO. 10 +GRND).

DIMENSION OF 36 INCHES

VOIDS TO MAXIMUM EXTENT POSSIBLE.

THE HILTI FS 657 FIRE BLOCKS IN PLACE.

MAXIMUM 4-1/2".

OF CABLE TRAY.

x 8" DEEP, REF. TOP VIEW).

D. MAX. 300 PAIR NO. 24 AWG TELEPHONE CABLE.

MAXIMUM 4" NOMINAL DIAMETER COPPER PIPE OR EMT.

MAXIMUM 18" x 6" ALUMINUM OR STEEL OPEN LADDER CABLE TRAY.

MAXIMUM 6" NOMINAL DIAMETER COPPER PIPE.

MAXIMUM 4" NOMINAL DIAMETER STEEL CONDUIT

INSULATED PIPE THROUGH RATED WALL

FIRE-RATING) (2-HR. SHOWN).

MINIMUM 2-1/2" WIDE.

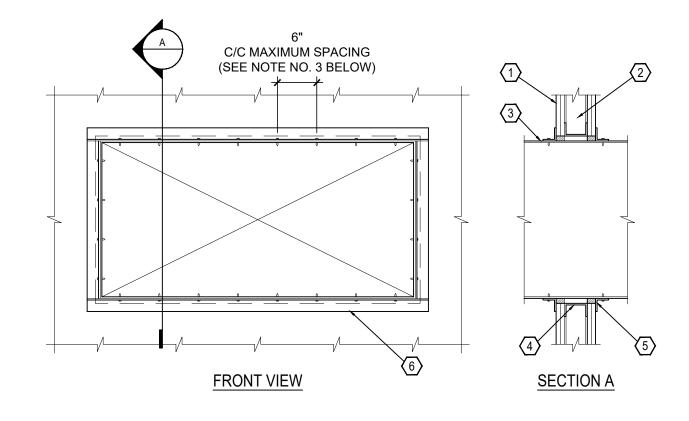
POINT OF CONTACT.

NOTE:

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

UL/cUL SYSTEM NO. W-L-7040 METAL DUCT (WITHOUT DAMPER) THROUGH 1-HR. OR 2-HR. GYPSUM WALL ASSEMBLY

F-RATING = 1-HR. OR 2-HR T-RATING = 0-HR.

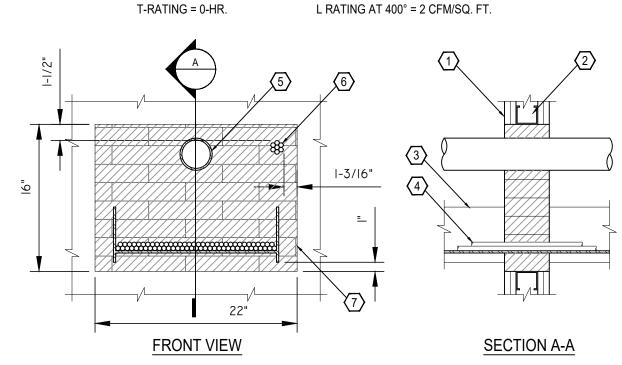


- 1. GYPSUM WALL ASSEMBLY (UL/ULC CLASSIFIED U300 OR U400 SERIES) (1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN).
- 2. (NOT SHOWN). WOOD STUDS TO CONSIST OF NOMINAL 2" X 4" LUMBER. STEEL STUDS TO BE MINIMUM 2-1/2" WIDE.
- 3. RECTANGULAR SHEET METAL DUCT (MAXIMUM SIZE: 24" X 48", MINIMUM 24 GA. THICKNESS). (NOTE: NOT FOR USE IN DUCT SYSTEMS CONTAINING A FIRE DAMPER)
- 4. OPENING TO BE "FRAMED OUT" WITH LIGHTGAGE METAL FRAMING STUDS. HILTI FS-ONE HIGH PERFORMANCE INTUMESCENT FIRESTOP SEALANT, HILTI CP 601S ELASTO-MERIC FIRESTOP SEALANT, OR HILTI CP 606 FLEXIBLE FIRESTOP SEALANT:
- A. MINIMUM 5/8" DEPTH OF SEALANT FOR A 1-HR. FIRE-RATING. B. MINIMUM 1-1/4" DEPTH OF SEALANT FOR A 2-HR. FIRE-RATING
- SEE NOTE #3 BELOW

- 1. MAXIMUM AREA OF OPENING = 1244 SQUARE INCHES WITH A MAXIMUM DIMENSION OF 49-1/4 INCHES.
- ANNULAR SPACE = MINIMUM 1/4", MAXIMUM 1
- AFTER SEALING SPACE BETWEEN DUCT AND GYPSUM WALL ASSEMBLY WITH HILTI FIRESTOP SEALANT, FASTEN STEEL ANGLE (MINIMUM 1-1/2" X 1-1/2" X 16 GA.) TO DUCT WITH MINIMUM NO. 8 X 3/4" LONG SHEET METAL SCREWS. ANGLE DOES NOT HAVE TO BE FASTENED TO THE WALL ASSEMBLY.

DUCT THROUGH RATED WALL

^{SCA}MFULTIPLE PENETRATIONS THROUGH 1-HR. OR 2-HR. GYPSUM WALL ASSEMBLY F-RATING = 1-HR. OR 2 HR. L RATING AT AMBIENT = 5 CFM/SQ. FT



- 1. GYPSUM WALL ASSEMBLY (UL/ULC CLASSIFIED U300 OR U400 SERIES) (1-HR. OR 2-HR.
- FIRE-RATING) (2-HR. SHOWN). 2. (NOT SHOWN). WOOD STUDS TO CONSIST OF NOMINAL 2" x 4" LUMBER. STEEL STUDS TO BE
- MINIMUM 2-1/2" WIDE. 3. OPEN LADDER CABLE TRAY (MAXIMUM 18" x 6", STEEL OR ALUMINUM).
- 4. ANY OF THE FOLLOWING CABLES MAY BE USED WITH MAXIMUM 30% FILL OF CABLE TRAY:
- A. MAXIMUM 350 KCMIL SINGLE CONDUCTOR POWER CABLE. B. MAXIMUM 7/C NO. 12 AWG COPPER CONDUCTOR CABLE.
- C. MAXIMUM 100 PAIR NO. 24 AWG TELEPHONE CABLE.
- 5. MAX. 3" NOMINAL DIAMETER PVC PLASTIC PIPE (SCHEDULE 40) (CLOSED OR VENTED PIPING SYSTEM) (SEE NOTE NO. 1 BELOW).
- 6. MAXIMUM 1-1/2" DIAMETER CABLE BUNDLE TO CONSIST OF ANY OF THE FOLLOWING: A. MAX. 25 PAIR NO. 24 AWG TELEPHONE CABLE.
 - B. FIBER-OPTIC CABLE (24 FIBER).
- C. MAX. 7/C NO. 12 AWG COPPER CONDUCTOR.
- D. RG 59 COAXIAL CABLE. 7. HILTI FS 657 FIRE BLOCKS (2" THICK x 8" WIDE x 5" DEEP, REFERENCE: FRONT VIEW).

- 1. (NOT SHOWN). PENETRATING ITEMS MAY ALSO INCLUDE A MAX. 6" NOM. DIA. STEEL PIPE, MAX. 6" NOM. DIA. STEEL CONDUIT; MAX. 4" NOM. DIA. COPPER PIPE, OR MAX. 4" NOM. DIA. EMT.
- 2. (NOT SHOWN): MAX. 1-1/2" GLASS-FIBER INSULATION MAY BE USED ON ANY
- OR ALL METALLIC PIPES. ANNULAR SPACE = MINIMUM 1", MAXIMUM 9-1/4".
- APPLY HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT IN ANY VOID THAT MAY EXIST (AROUND PENETRANTS, INTO INTERSITICES OF CABLES, BETWEEN CABLES AND CABLE TRAY, OR BETWEEN FIRE BLOCKS) TO

MAXIMUM EXTENT POSSIBLE.

GROUP OF PENETRATIONS

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URISDICTION STAMP

FIRESTOPPING **DETAILS**

1-09.5

100

103

106

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ASF01A

ASF01B

ASF02

ASF03

ASF04

ASF05A

ASF05B

ASF06

ASF07

ASF08

ASF09A

ASF09B

ASF10

ASF11

ASF12

ASF14

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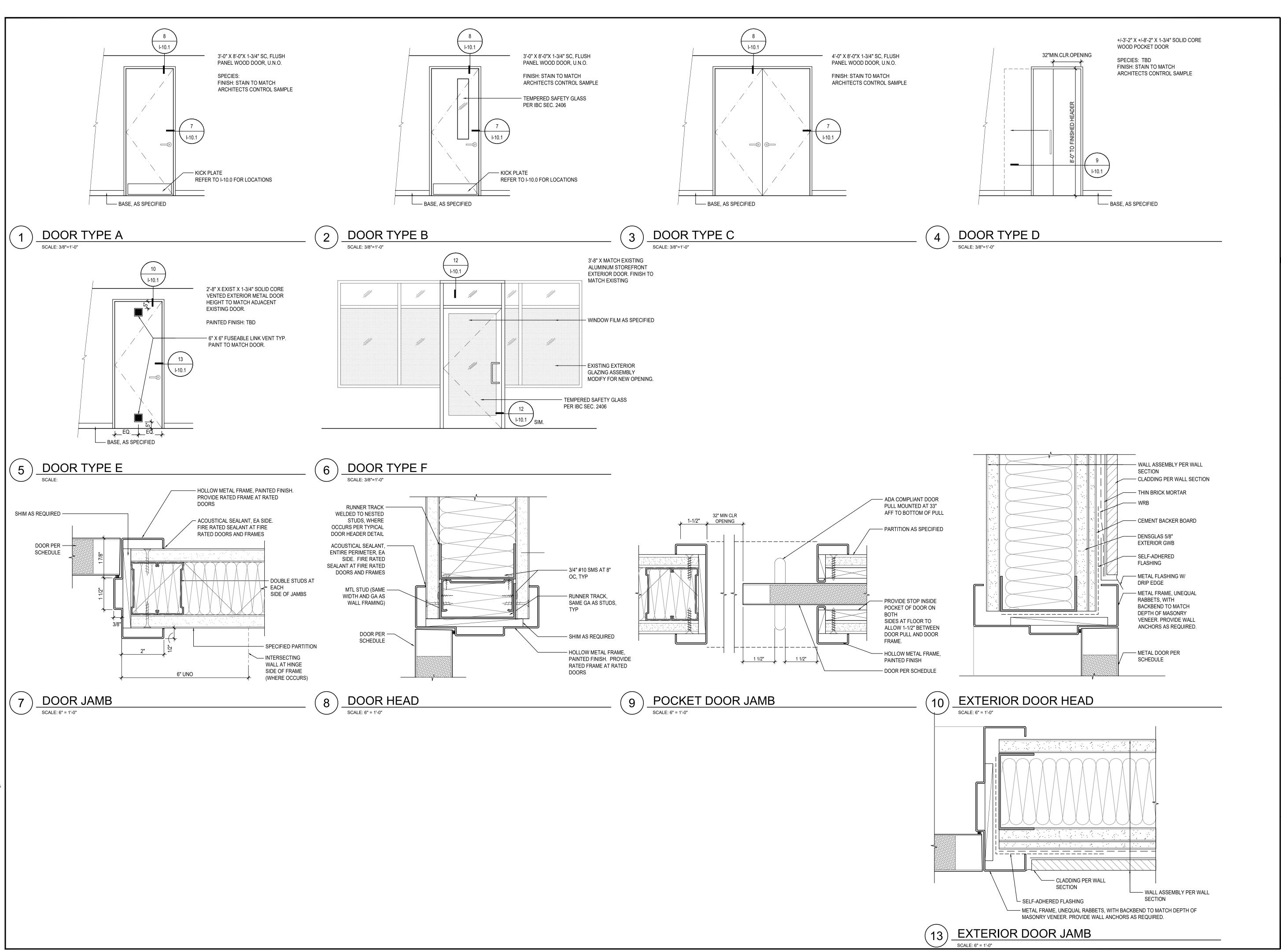


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JURISDICTION STAMP

DOOR SCHEDULE

I-10.0



IPC ARCHITECTS

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CHECKED CB
NO. 22-0394



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JURISDICTION STAMP

DOOR ELEVATIONS & DETAILS

I-10.1

REDUCIBLE UNREDUCIBLE

CORRIDORS, STAIRS

50 PSF + 15 PSF PARTITION LOAD X EXTERIOR BALCONIES, DECKS 1.5 TIMES THE LIVE LOAD FOR THE AREA SERVED, NOT REQUIRED TO **EXCEED 100 PSF**

REFER TO TABLE 1607.1 IN THE IBC FOR RELEVANT CONCENTRATED LIVE LOADS.

SEISMIC LOADS

EARTHQUAKE DESIGN IS BASED ON THE SEISMIC DESIGN REQUIREMENTS FOR NONSTRUCTURAL COMPONENTS IN ASCE 7 SECTION 13 WITH THE FOLLOWING FACTORS:

SITE CLASS C RISK CATEGORY II SEISMIC DESIGN CATEGORY D $I_e = 1$ $S_s = 1.392 g$ $S_1 = 0.485 g$ $S_{DS} = 1.113 g$ $S_{D1} = 0.485 g$ $T_L = 6$ SECONDS

WIND LOADS
WIND LOAD IS DETERMINED USING CHAPTERS 26-31 OF ASCE 7 IN ACCORDANCE WITH IBC SECTION 1609 WITH THE FOLLOWING FACTORS:

RISK CATEGORY 11 $K_{zt} = 1.0$ $K_e = 1.0$ EXPOSURE CATEGORY B V = 98 MPH $V_{asd} = 76 MPH$

DESIGN WIND PRESSURES FOR DETERMINING FORCES ON COMPONENTS AND CLADDING SHALL BE DETERMINED USING CHAPTER 30 OF ASCE 7 IN ACCORDANCE WITH IBC SECTION 1609 BY THE WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER WHO IS RESPONSIBLE FOR THE DESIGN OF SUCH ELEMENTS, UNLESS NOTED OTHERWISE ON THE

PER IBC SECTION 107.3.4.1. DRAWINGS AND CALCULATIONS FOR THE DESIGN AND FABRICATION OF ITEMS THAT ARE DESIGNED BY OTHERS SHALL BEAR THE SEAL AND SIGNATURE OF THE WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER WHO IS RESPONSIBLE FOR THE DESIGN AND SHALL BE SUBMITTED TO THE ARCHITECT AND THE BUILDING DEPARTMENT FOR REVIEW PRIOR TO FABRICATION.

GENERAL NOTES

SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO ANY FABRICATION OR CONSTRUCTION FOR ALL STRUCTURAL ITEMS, INCLUDING THE FOLLOWING: CONCRETE OR MASONRY REINFORCEMENT, PRECAST OR PRESTRESSED CONCRETE ITEMS, EMBEDDED STEEL ITEMS, STRUCTURAL STEEL, STEEL JOISTS, STEEL DECK, SHEAR STUD LAYOUT, METAL GRATING, GLUED-LAMINATED MEMBERS, CLADDING PANELS AND STAIRS.

IF THE SHOP DRAWINGS DIFFER FROM OR ADD TO THE DESIGN OF THE STRUCTURAL DRAWINGS, THEY SHALL BEAR THE SEAL AND SIGNATURE OF THE WASHINGTON STATE REGISTERED PROFESSIONAL ENGINEER WHO IS RESPONSIBLE FOR THE DESIGN.

NONSTRUCTURAL COMPONENTS

DESIGN, DETAILING AND ANCHORAGE OF ALL NONSTRUCTURAL COMPONENTS NOT INCLUDED IN THESE STRUCTURAL DOCUMENTS SHALL BE IN ACCORDANCE WITH IBC SECTION 1613, ASCE 7 CHAPTER 13, AND THE PROJECT SPECIFICATIONS, NONSTRUCTURAL COMPONENTS DESIGNED BY OTHERS SHALL NOT INDUCE TORSIONAL LOADING INTO SUPPORTING STRUCTURAL MEMBERS WITHOUT ADDITIONAL BRACING OF THOSE MEMBERS TO ELIMINATE TORSIONAL FORCES. TORSIONAL BRACING SHALL BE DESIGNED BY THE NONSTRUCTURAL COMPONENT DESIGNER AND APPROVED BY THE ENGINEER.

DESIGN, DETAILING AND CONSTRUCTION OF ALL NONSTRUCTURAL COMPONENTS WHICH ATTACH TO MORE THAN ONE LEVEL OF THE STRUCTURE SHALL THE FOLLOWING RELATIVE MOVEMENTS BETWEEN LEVELS WITHOUT DAMAGE TO THE NONSTRUCTURAL COMPONENTS:

VERTICAL DEFLECTION OF ±1.5 INCH DUE TO VARIABLE LIVE LOADS

SPECIAL INSPECTION PER IBC CHAPTER 17 SHALL BE PERFORMED BY AN APPROVED TESTING AGENCY AS INDICATED IN THE STATEMENT OF SPECIAL INSPECTIONS AND TESTING. ALL PREPARED SOIL-BEARING SURFACES SHALL BE INSPECTED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF REINFORCING STEEL. SOIL COMPACTION SHALL BE SUPERVISED BY AN APPROVED TESTING AGENCY OR GEOTECHNICAL ENGINEER.

CONTRACTOR SHALL VERIFY ALL LEVELS, DIMENSIONS, AND EXISTING CONDITIONS IN THE FIELD BEFORE PROCEEDING. CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES OR FIELD CHANGES PRIOR TO INSTALLATION OR FABRICATION. IN CASE OF DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND THE DRAWINGS, THE CONTRACTOR SHALL OBTAIN DIRECTION FROM THE ARCHITECT BEFORE PROCEEDING. DIMENSIONS NOTED AS PLUS OR MINUS (±) INDICATE UNVERIFIED DIMENSIONS AND ARE APPROXIMATE. NOTIFY ARCHITECT IMMEDIATELY OF CONFLICTS OR EXCESSIVE VARIATIONS FROM INDICATED DIMENSIONS. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS--DO NOT SCALE DRAWINGS. DIMENSIONS OF EXISTING CONDITIONS ARE BASED ON RECORD DRAWINGS BY CT ENGINEERING, DATED 3/28/07 AND ARE TO BE FIELD-VERIFIED BY THE CONTRACTOR.

CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS BEFORE COMMENCING ANY DEMOLITION. CONTRACTOR SHALL PROVIDE ADEQUATE SHORING AND BRACING OF ALL STRUCTURAL MEMBERS, EXISTING CONSTRUCTION AND SOIL EXCAVATIONS, AS REQUIRED, AND IN A MANNER SUITABLE TO THE WORK SEQUENCE. TEMPORARY SHORING AND BRACING SHALL NOT BE REMOVED UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE DRAWINGS AND MATERIALS HAVE ACHIEVED DESIGN STRENGTH.

EMBEDS IN EXISTING CONSTRUCTION SHALL BE CUT UNLESS DIRECTED TO BY THE ARCHITECT OR AS SHOWN ON THE DRAWINGS.

CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES REQUIRED TO PERFORM THE WORK.

CONCRETE

CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF IBC CHAPTER 19.

CONCRETE MIXTURES SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:

| | CONCRETE MIXTURES | | | | | | | | | | | |
|-------|-------------------|----------------|----|----|----|----------------|--|--|--|--|--|--|
| f'c | TEST AGE | EXPOSURE CLASS | | | | USE | | | | | | |
| (PSI) | (DAYS) | F | S | W | С | USE | | | | | | |
| 4,000 | 28 | F1 | S0 | W1 | C1 | CURBS AND PADS | | | | | | |
| · · | _ | | | | | | | | | | | |

CONCRETE MIXTURES SHALL CONFORM TO THE MOST STRINGENT REQUIREMENTS FOR EXPOSURE CLASSES SPECIFIED IN THE TABLE ABOVE AND ACI 318 TABLE 19.3.2.1.

WATER-REDUCING ADMIXTURES MAY BE INCORPORATED IN CONCRETE MIX DESIGNS, BUT SHALL CONFORM TO ASTM C 494, AND BE USED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. CaCl2 OR OTHER WATER-SOLUBLE CHLORIDE ADMIXTURES SHALL NOT BE USED.

WATER/CEMENTITIOUS MATERIALS RATIO SHALL BE MEASURED BY WEIGHT AND SHALL BE BASED ON THE TOTAL CEMENTITIOUS MATERIAL. WATER/CEMENTITIOUS MATERIALS RATIO AND WATER CONTENT SHALL BE DETERMINED BY THE SUPPLIER BASED ON STRENGTH REQUIREMENTS AND SHALL NOT EXCEED THE MAXIMUM WATER/CEMENTITIOUS MATERIAL RATIO AND/OR WATER CONTENT IF SHOWN ABOVE OR IN ACI 318 TABLE 19.3.2.1 FOR THE EXPOSURE CLASSES LISTED.

FIELD-MEASURED SLUMP SHALL CONFORM TO THE SUBMITTED CONCRETE MIX DESIGN. TOLERANCE OF SLUMP SHALL CONFORM TO ASTM C 94.

ALL CONCRETE SUBJECT TO EXPOSURE CLASSES F1, F2 OR F3 SHALL BE AIR ENTRAINED. AIR-ENTRAINING AGENTS SHALL CONFORM TO ASTM C 260. THE PERCENTAGE OF TOTAL AIR SHALL BE ACCORDING TO ACI 318 TABLE 19.3.3.1 WITH A FIELD TOLERANCE OF ±1.5 PERCENT BY VOLUME. THE PERCENTAGE OF TOTAL AIR SHALL BE MEASURED IN THE FIELD AT THE DISCHARGE FROM THE TRUCK.

THE CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS FOR APPROVAL 2 WEEKS PRIOR TO PLACING ANY CONCRETE. THE MIX DESIGN SHALL BE IN CONFORMANCE WITH ACI 318, CHAPTER 19. THE SUBMITTAL SHALL INDICATE WHERE EACH CONCRETE MIX IS TO BE USED ON THE PROJECT. AS WELL AS THE MAXIMUM AGGREGATE SIZE OF EACH MIX. MAXIMUM AGGREGATE SIZE SHALL CONFORM TO THE PROJECT SPECIFICATIONS.

IF THE AIR TEMPERATURE WILL EXCEED 75 DEGREES F WITHIN 48 HOURS OF PLACING CONCRETE, A MOIST CURE SHALL BE APPLIED TO THE CONCRETE FOR A PERIOD OF 36 HOURS AFTER FINISHING CONCRETE SURFACES. REFER TO THE PROJECT SPECIFICATIONS FOR CURING REQUIREMENTS.

ASTM A 615, GRADE 60 SPECIAL DUCTILE QUALITY DEFORMED BARS ASTM A 706, GRADE 60 LOW ALLOY HEADED DEFORMED BARS ASTM A 970, HEAD TYPE HA

REINFORCING SHALL BE SUPPORTED AS SPECIFIED BY THE PROJECT SPECIFICATIONS AND THE CRSI MANUAL OF STANDARD PRACTICE. REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH ACI STANDARD OF PRACTICE AS OUTLINED IN ACI 315, "GUIDE TO PRESENTING REINFORCING STEEL DESIGN DETAILS".

LAP ALL REINFORCING BARS AS NOTED ON THE DRAWINGS. WHERE SPLICE LENGTH IS NOT SHOWN, USE TYPE Lb (Lbt FOR TOP BARS) SPLICE PER DEVELOPMENT AND SPLICE LENGTH SCHEDULE. TYPE 1 SPLICES SHALL DEVELOP 125 PERCENT OF THE YIELD CAPACITY OF THE SPLICED BARS IN BOTH TENSION AND COMPRESSION. TYPE 2 SPLICES SHALL DEVELOP THE SPECIFIED TENSILE STRENGTH OF THE SPLICED BARS IN TENSION IN ADDITION TO MEETING

REINFORCING STEEL SHALL HAVE PROTECTION AS FOLLOWS, UNLESS NOTED OTHERWISE

COVER PER DETAILS <u>USE</u> NONSTRUCTURAL SLABS

WELDING OF REINFORCING, WHERE APPROVED BY THE ARCHITECT, SHALL BE PERFORMED

USING LOW HYDROGEN ELECTRODES AND PREHEATED IN ACCORDANCE WITH AWS D1.4. REINFORCING STEEL WELDING CODE. WELDERS AND WELDING PROCEDURES SHALL BE QUALIFIED IN ACCORDANCE WITH AWS D1.4. MATERIALS SHALL CONFORM TO THE

ASTM A 706, GRADE 60, LOW ALLOY REINFORCING BARS TO BE WELDED WELDING ELECTRODES E80XX

TYPE 1 SPLICE REQUIREMENTS

NONSHRINK GROUT
BASE PLATE GROUT SHALL BE NONSHRINK TYPE WITH MINIMUM fc = 8,000 PSI. ALL OTHER NONSHRINK GROUT SHALL HAVE MINIMUM f'c = 5,000 PSI.

EPS GEOFOAM

EXPANDED POLYSTYRENE GEOFOAM SHALL CONFORM TO ASTM D 6817 STANDARD SPECIFICATION FOR RIGID CELLULAR POLYSTYRENE GEOFOAM. THE GEOFOAM SHALL HAVE A MINIMUM COMPRESSIVE RESISTANCE OF 3.6 PSI AT 1% DEFORMATION (EPS 15)

ANCHORS

POST-INSTALLED ANCHORS

PROVIDE POST-INSTALLED ANCHORS AS SPECIFIED IN THESE DRAWINGS.

ADHESIVE REINFORCING DOWEL MATERIALS

ADHESIVE REINFORCING DOWELS (ARD) ASTM A 615, GRADE 60 THREADED ARD

EMBEDMENT SPECIFIED IN THESE DRAWINGS. SEE DETAIL

ASTM F 1554, GRADE 36 (CARBON STEEL) ASTM A193 B8M CLASS 1 (STAINLESS) ANCHOR EMBEDMENT DEPTHS LISTED SHALL BE CONSIDERED EFFECTIVE EMBEDMENT

MECHANICAL AND ADHESIVE ANCHORS SHALL BE ZINC PLATED CARBON STEEL UNLESS NOTED OTHERWISE. MECHANICAL AND ADHESIVE ANCHORS EXPOSED TO WEATHER SHALL BE STAINLESS STEEL.

ANCHOR LENGTH AND HOLE PER EVALUATION REPORT TO ACCOMMODATE THE EFFECTIVE

DEPTHS AS DEFINED IN THE ICC-ES OR IAPMO UES EVALUATION REPORTS. PROVIDE

DO NOT DAMAGE EXISTING REINFORCEMENT. IF LOCATION OF REINFORCEMENT IS UNKNOWN, SCAN FOR EXISTING REINFORCING STEEL PRIOR TO DRILLING.

USE OF ALTERNATE PRODUCTS, OR OF POST-INSTALLED ANCHORS AT LOCATIONS NOT SHOWN IN THESE DRAWINGS, IS SUBJECT TO THE APPROVAL OF THE ARCHITECT. SUBMIT PROPOSED ANCHORS TO THE ARCHITECT WITH AN ICC-ES OR IAPMO UES REPORT VALID FOR THE 2018 IBC AND DOCUMENTATION SHOWING THAT THE ALTERNATE PRODUCTS PROVIDE EQUIVALENT CAPACITY FOR ALL CONDITIONS IN THIS PROJECT. SUBMITTED ICC-ES AND IAPMO UES REPORTS SHALL DEMONSTRATE THAT THE ANCHORS ARE SUITABLE FOR USE IN CRACKED CONCRETE. WHERE ANCHORS RESIST SEISMIC LOADS OR SUSTAINED TENSION, SUBMITTED ICC-ES AND IAPMO UES REPORTS SHALL DEMONSTRATE THAT THE ANCHORS ARE SUITABLE FOR THE RESISTANCE OF SEISMIC LOADS OR SUSTAINED TENSION (AS APPLICABLE). DOCUMENTATION OF CAPACITY FOR ALTERNATE PRODUCTS MUST BE INCLUDED AS A DEFERRED SUBMITTAL..

ADHESIVES SHALL NOT BE INSTALLED PRIOR TO THE CONCRETE REACHING AN AGE OF 21 DAYS AS REQUIRED BY ACI 318.

ADHESIVE ANCHORS HORIZONTALLY OR UPWARDLY INCLINED TO SUPPORT SUSTAINED TENSION LOADS SHALL BE INSTALLED BY PERSONNEL CERTIFIED BY THE ACI/CRSI ADHESIVE ANCHOR INSTALLER CERTIFICATION PROGRAM, OR EQUIVALENT PROGRAM.

STRUCTURAL STEEL

REFERENCE SPECIFICATIONS

WELDING

AISC 360 "SPECIFICATION FOR STRUCTURAL STEEL STRUCTURAL STEEL

BUILDINGS"

RCSC "SPECIFICATION FOR STRUCTURAL JOINTS USING

HIGH STRENGTH BOLTS HIGH-STRENGTH BOLTS"

AWS D1.1, TYPICAL

AWS D1.3 FOR STEEL DECK AND COLD-FORMED FRAMING AWS D1.8 FOR SUPPLEMENTAL SEISMIC PROVISIONS

AWS PREQUALIFIED JOINT DETAILS

WELDER CERTIFICATION AMERICAN WELDING SOCIETY (AWS)

> WASHINGTON ASSOCIATION OF BUILDING OFFICIALS (WABO)

WIDE FLANGE SHAPES (W AND WT) ASTM A 992 PLATES (PL), BARS ASTM A 36 TYPICAL,

ASTM A 572 GRADE 50 WHERE NOTED ANGLES (L), CHANNELS (C AND MC) ASTM A 36 STRUCTURAL TUBES (HSS) ASTM A 500, GRADE C STEEL PIPE ASTM A 53, GRADE B

STRUCTURAL BOLTS ASTM F 3125, GRADE A 325 ANCHOR RODS ASTM F 1554, GRADE 36 UNLESS NOTED OTHERWISE THREADED RODS ASTM A 36, UNLESS NOTED OTHERWISE WELDING ELECTRODES 70 KSI, LOW HYDROGEN, TYPICAL

STRUCTURAL STEEL DESIGN, FABRICATION AND ERECTION SHALL CONFORM TO THE REQUIREMENTS OF IBC CHAPTER 22. ALL MEMBERS ARE TO BE ERECTED WITH NATURAL MILL CAMBER OR INDUCED CAMBER UP, UNLESS OTHERWISE NOTED ON THE PLANS. SUBSTITUTION OF MEMBER SIZES OR STEEL GRADE WILL NOT BE ALLOWED WITHOUT PRIOR APPROVAL BY THE ARCHITECT. A MINIMUM OF TWO BOLTS IS REQUIRED FOR ALL BEAM CONNECTIONS. ALTERNATIVE CONNECTIONS TO THOSE SHOWN ON THESE DRAWINGS WILL REQUIRE PRIOR APPROVAL BY THE ARCHITECT.

60 KSI, MINIMUM, STEEL DECK

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ERECTION AIDS AND JOINT PREPARATIONS THAT INCLUDE, BUT ARE NOT LIMITED TO, ERECTION ANGLES, LIFT HOLES AND OTHER AIDS, WELDING PROCEDURES, REQUIRED ROOT OPENINGS, ROOT FACE DIMENSIONS, GROOVE ANGLES, BACKING BARS, COPES, SURFACE ROUGHNESS VALUES AND UNEQUAL PARTS.

SPECIAL INSPECTIONS

AND TESTING SCHEDULE

ESTABLISHED PER IBC 2018 SECTION 110 AND CHAPTER 17

2. INSPECTION REQUIREMENTS FOR SYSTEMS DESIGNED BY OTHERS SHALL BE DEFINED BY THE REGISTERED DESIGN

PROFESSIONAL RESPONSIBLE FOR THEIR DESIGN. SPECIAL INSPECTION TESTING REQUIREMENTS APPLY TO ALL

1705.2

IBC CODE

COMMENTS

ITEM

1. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

POST-INSTALLED ADHESIVE ANCHORS

SPECIAL INSPECTIONS AND TESTING NOTES:

BIDDER-DESIGNED COMPONENTS.

POST-INSTALLED MECHANICAL ANCHORS

CONCRETE

EMBEDDED PLATES

FABRICATION AND ERECTION

HIGH STRENGTH BOLTING

STRUCTURAL STEEL

WELDING

DRAWING LIST

STRUCTURAL NOTES AND DRAWING LIST STRUCTURAL NOTES, ABBREVIATIONS AND SYMBOLS

FRAMING PLAN

DETAILS S-04.1

112th Ave evue, WA

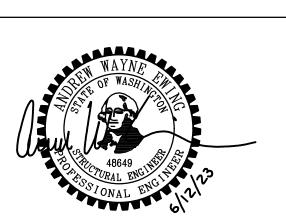
Amadi Aesthetics Plastic Surgery

7800 SE 27th Street Mercer Island, WA 98040

DESIGN: DRAWN: CHECKED: 22-0394

△No Issue Description

PERMIT SET



STRUCTURAL NOTES AND DRAWING LIST

FIELD LOCATE REINFORCING BARS, TENDONS, AND EMBEDS AND PROVIDE A MINIMUM OF 3" CLEARANCE TO ALL CONCRETE CORES AND CUTS. NO REINFORCING BARS TENDONS, OR

STRUCTURAL STEEL AND CONNECTIONS SHALL BE FIREPROOFED WHERE REQUIRED BY THE ARCHITECT. PRIMARY AND SECONDARY STRUCTURE ARE TO BE AS DEFINED BY THE IBC. STRUCTURAL MEMBERS SHALL BE ASSUMED TO BE IN A THERMAL UNRESTRAINED CONDITION FOR THE PURPOSES OF DETERMINING FIREPROOFING THICKNESS. UL DESIGN SHALL BE IN ACCORDANCE WITH LRFD DESIGN METHODOLOGY.

WHERE SPRAY-APPLIED CEMENTITIOUS FIREPROOFING IS EXPOSED TO WEATHER, STRUCTURAL STEEL SHALL BE CONSIDERED EXPOSED TO WEATHER, AND SHALL BE PROTECTED ACCORDINGLY.

ALL COATINGS ARE TO FOLLOW THE SPECIFICATIONS AND PRODUCT MANUFACTURER'S

WELDING

ALL WELDING SHALL BE IN CONFORMANCE WITH AISC AND AWS STANDARDS, AND SHALL BE PERFORMED BY AWS-WABO-CERTIFIED WELDERS. ONLY WELDS THAT ARE PREQUALIFIED, AS DEFINED BY AWS, OR QUALIFIED BY TESTING SHALL BE USED. SHOP DRAWINGS SHALL SHOW ALL WELDING WITH AWS A2.4 SYMBOLS. WELDS SHOWN ON THE DRAWINGS ARE MINIMUM SIZES. INCREASE WELD SIZE TO AWS MINIMUM SIZES BASED ON THICKNESS. MINIMUM WELD SIZE SHALL BE 3/16-INCH, UNLESS NOTED OTHERWISE. THE WELDS SHOWN ARE FOR THE FINAL CONNECTIONS. FIELD WELD SYMBOLS ARE SHOWN WHERE FIELD WELDS ARE REQUIRED BY THE STRUCTURAL DESIGN. WHERE FIELD WELD IS NOT INDICATED, THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING IF A WELD SHOULD BE SHOP OR FIELD-WELDED IN ORDER TO FACILITATE THE STRUCTURAL STEEL ERECTION.

ANCHOR BOLT ADD'L ADDITIONAL ADH ADHESIVE ADJ **ADJUSTABLE AESS** ARCHITECTURALLY EXPOSED STRUCTURAL STEEL AFF ABOVE FINISH FLOOR ANCH ANCHOR ARCH **ARCHITECTURAL BOTTOM OF** BLDG BUILDING BM BEAM BOTTOM CAST-IN-PLACE COMPLETE JOINT PENETRATION CL CENTERLINE CLR CLEAR CONC CONCRETE CONN CONNECTION CONT CONTINUOUS CTR CENTER DBA DEFORMED BAR ANCHOR DCW DEMAND CRITICAL WELD DEMO DEMOLISH DET DETAIL DIAMETER DIAGONAL DITTO **DEFORMED WIRE FABRIC** DRAWING DOWEL EACH **ELEVATION EQUAL EQUIPMENT EACH SIDE EACH WAY EXISTING** FINISH FLOOR **FLANGE** FLOOR FOB FACE OF BUILDING FEET **GAUGE** GALVANIZED **GENERAL** GRADE HOOK HORIZ HORIZONTAL HOLLOW STRUCTURAL SECTION INTERNATIONAL BUILDING CODE INSIDE FACE **INTERIOR** LONG FACE HORIZONTAL LONG LEG HORIZONTAL LONG LEG VERTICAL LONGITUDINAL LOW POINT MAX MAXIMUM MECH **MECHANICAL** MANUFACTURER MIN MINIMUM MISC MISCELLANEOUS NOM NOMINAL OPNG OPENING OPPOSITE PARTIAL JOINT PENETRATION POUNDS PER SQUARE FOOT POUNDS PER SQUARE INCH PT POST-TENSIONED REINFORCING REM REMAIN(DER) REQ'D REQUIRED

SCHED

SIM

STD

STIRR

STRUCT

SUPP

TRANS

TYP

UT

W/O

T&B

STL

SCHEDULE

SIMILAR

STIRRUP

STRUCTURAL

TRANSVERSE

TYPICAL

VERTICAL

W-SHAPE

WITHOUT

VERIFY IN FIELD

TOP AND BOTTOM

UNLESS NOTED OTHERWISE

ULTRASONIC TESTING

WELDED HEADED STUD

WASHINGTON STATE BUILDING CODE

SUPPORT

STEEL

STANDARD STIFFENER

GRID BUBBLE SURFACE - SLOPE UP SURFACE - STEPPED SURFACE - SLOPE DOWN SURFACE - SLOPE TWO WAYS UNDISTURBED SOIL, COMPACTED SOIL, BACKFILL, OR ANY PREPARED SUBGRADE. SEE SPECIFICATIONS FOR TYPE OF MATERIAL AND PREPARATION METHOD. **NORTH ARROW**

EXISTING FRAMING

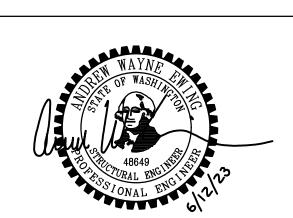
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Amadi Aesthetics

Plastic Surgery

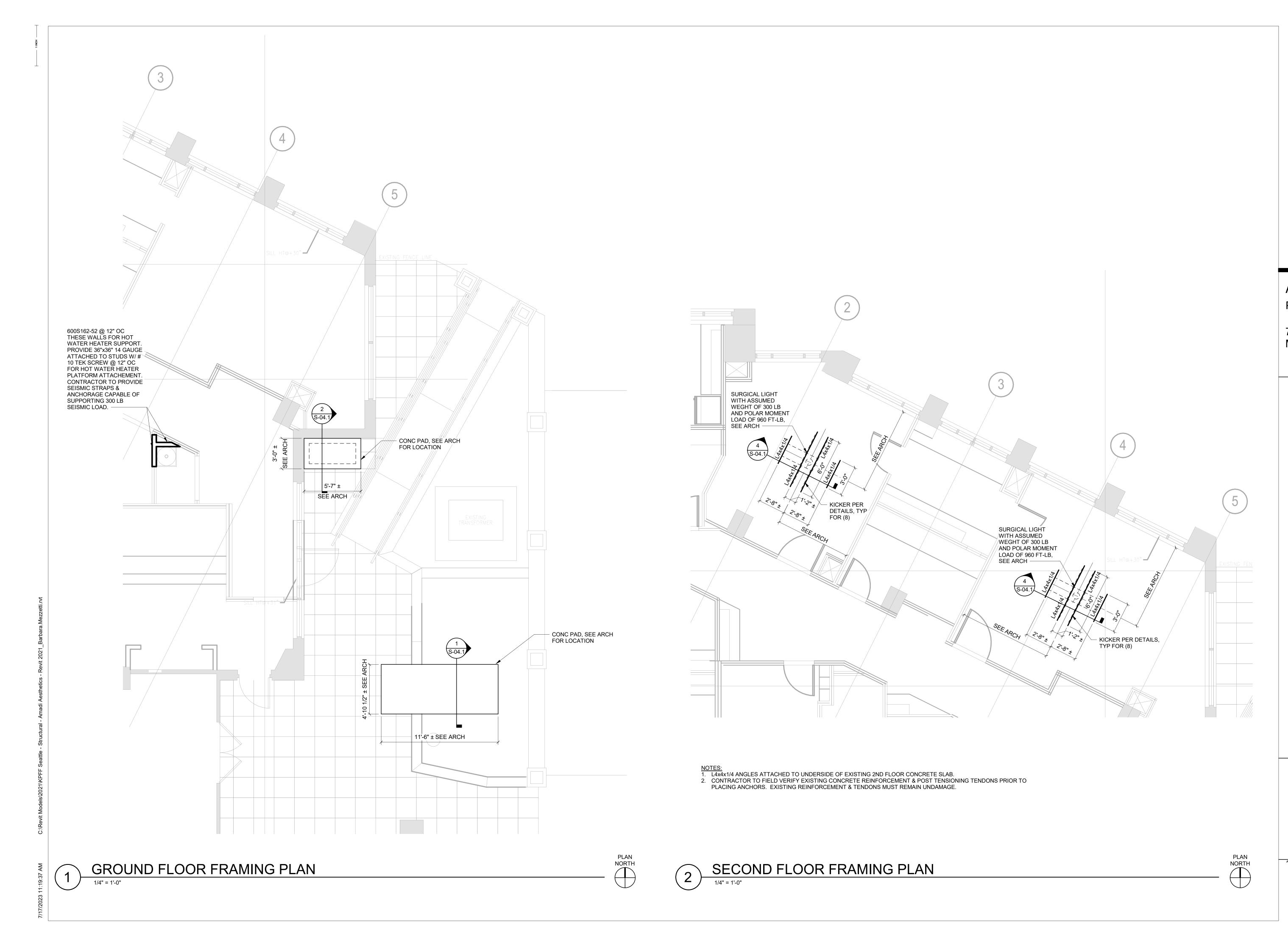
DESIGN: DRAWN: CHECKED: 22-0394

ANO Issue Description
PERMIT SET



STRUCTURAL NOTES, **ABBREVIATIONS AND SYMBOLS**

STEEL SYMBOLS GENERAL SYMBOLS STEEL IN CROSS SECTION (10) TOP OF STEEL ELEVATION CAMBER AT MID-SPAN **DEVIATION FROM** NUMBER OF STUDS TYPICAL SPECIAL MOMENT **BEAM SIZE RESISTING FRAME** COLUMN W24x55 [20] C 3/4" (-10") CONNECTION BELOW MOMENT OR TENSION **FULL HEIGHT** RESISTING PLATE CONNECTION CONNECTION -PENETRATION MEMBER OF THE SEISMIC FORCE-SPECIAL STUD RESISTING SYSTEM SPACING FOR GIRDERS -PLAN NORTH BRACED FRAME **BOT FLANGE ABOVE BEAM BRACE** STANDARD SECTION CUTS BRACED SHOP WELDED FRAME BELOW CANTILEVER NUMBER OF BOLTS IN **BUILDING SECTION CUTS** SPECIAL CONNECTIONS S3.1 NUMBER OF BOLTS IN CONNECTION IF DIFFERENT FROM TYPICAL ELEVATION OF WALL OR FRAME SCHEDULE 100'-0" TOP OF PLYWOOD SPOT ELEVATION: TOP OF CONCRETE TOP OF STEEL 100'-0" TOP OF CONCRETE ELEVATION 100'-0" TOP OF STEEL ELEVATION REFERENCE ELEVATION. REFER TO PLAN UNLESS NOTED OTHERWISE. ELEVATION OF LEVEL WORKPOINT DIRECTION OF DOWNWARD SLOPE DIRECTION OF SPAN



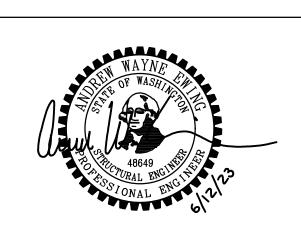
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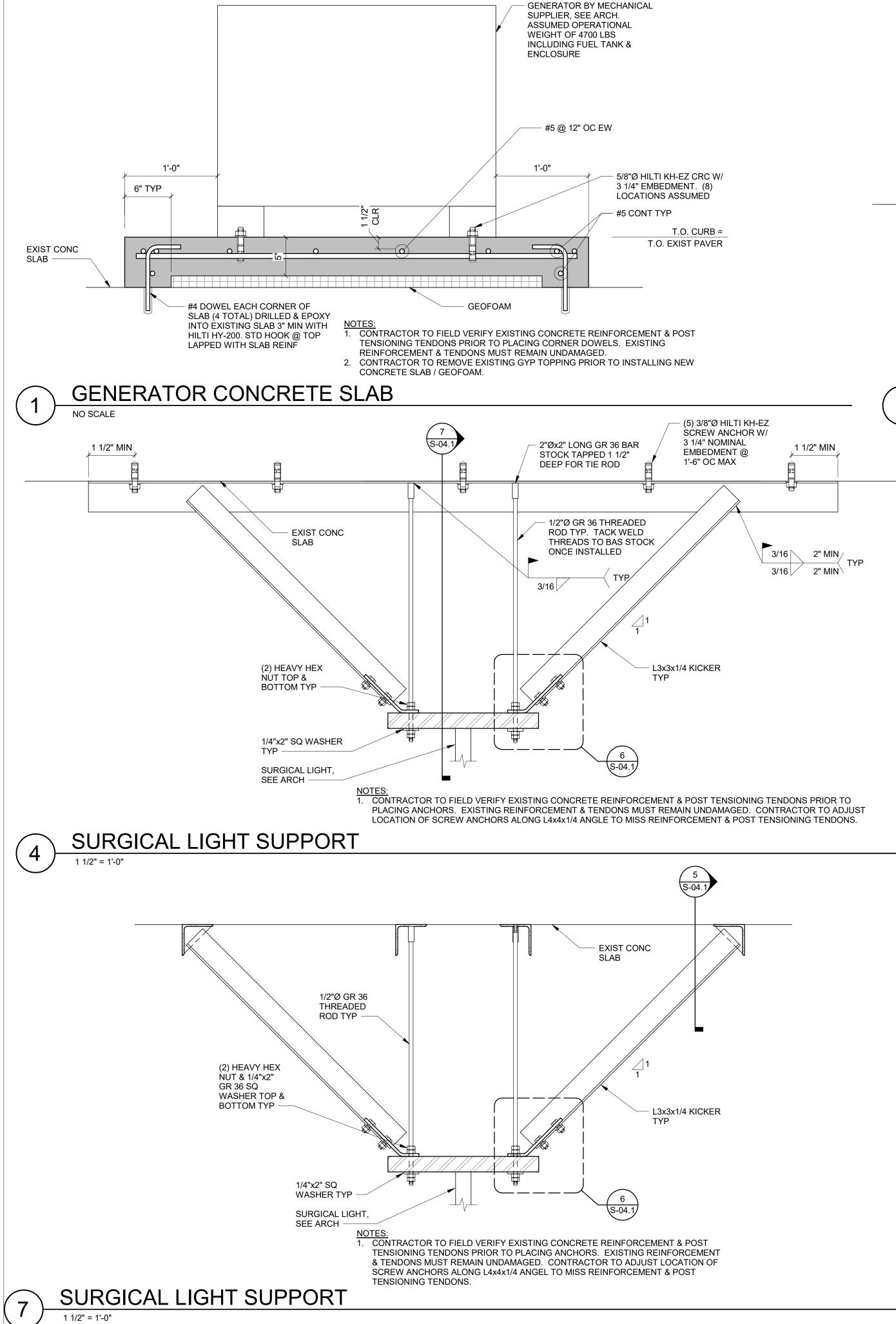
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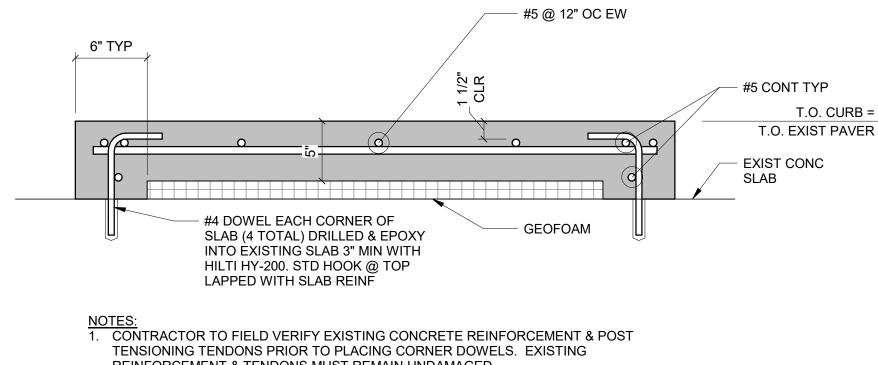
NO.: 22-0394

A<u>No Issue Description</u>
PERMIT SET



FRAMING PLAN

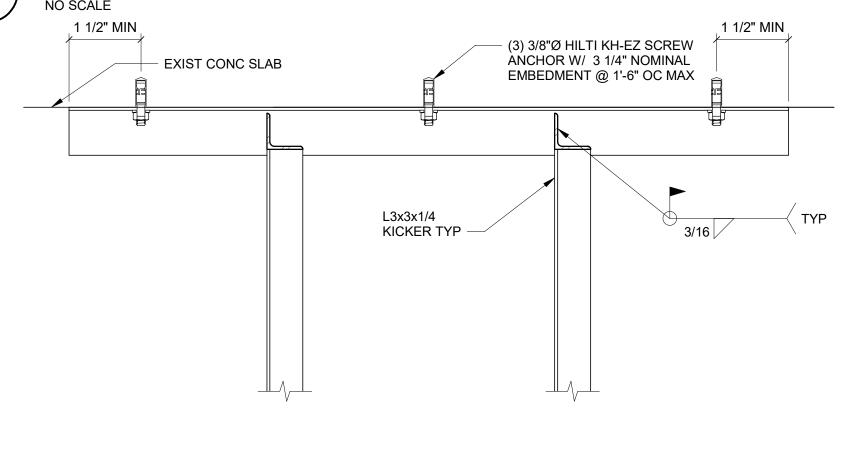




REINFORCEMENT & TENDONS MUST REMAIN UNDAMAGED. 2. CONTRACTOR TO REMOVE EXISTING GYP TOPPING PRIOR TO INSTALLING NEW

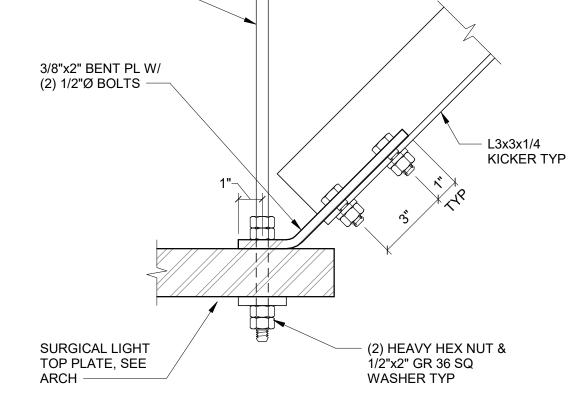
CONCRETE SLAB / GEOFOAM.

GAS STORAGE CONCRETE SLAB



NOTES:
1. CONTRACTOR TO FIELD VERIFY EXISTING CONCRETE REINFORCEMENT & POST TENSIONING TENDONS PRIOR TO PLACING ANCHORS. EXISTING REINFORCEMENT & TENDONS MUST REMAIN UNDAMAGED. CONTRACTOR TO ADJUST LOCATION OF SCREW ANCHORS ALONG L4x4x1/4 ANGLE TO MISS REINFORCEMENT & POST TENSIONING TENDONS.

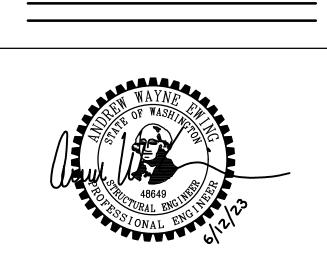
SURGICAL LIGHT SUPPORT



DETAILS

1/2"Ø GR 36

THREADED ROD



DETAILS

Amadi Aesthetics

7800 SE 27th Street

Mercer Island, WA 98040

Plastic Surgery

DESIGN: JPC

DRAWN: ED

CHECKED: CB

NO.: 22-0394

ANO Issue Description
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JPC ARCHITECT

S

Amadi Aesthetics

Plastic Surgery Floor 1

7800 SE 27th Street Mercer Island, WA 98040

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Design Two Four/Two Six

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DEMOLITION PLAN & LAYOUT PLAN

L1.0

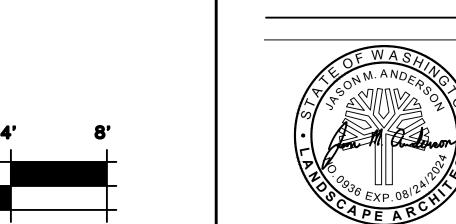
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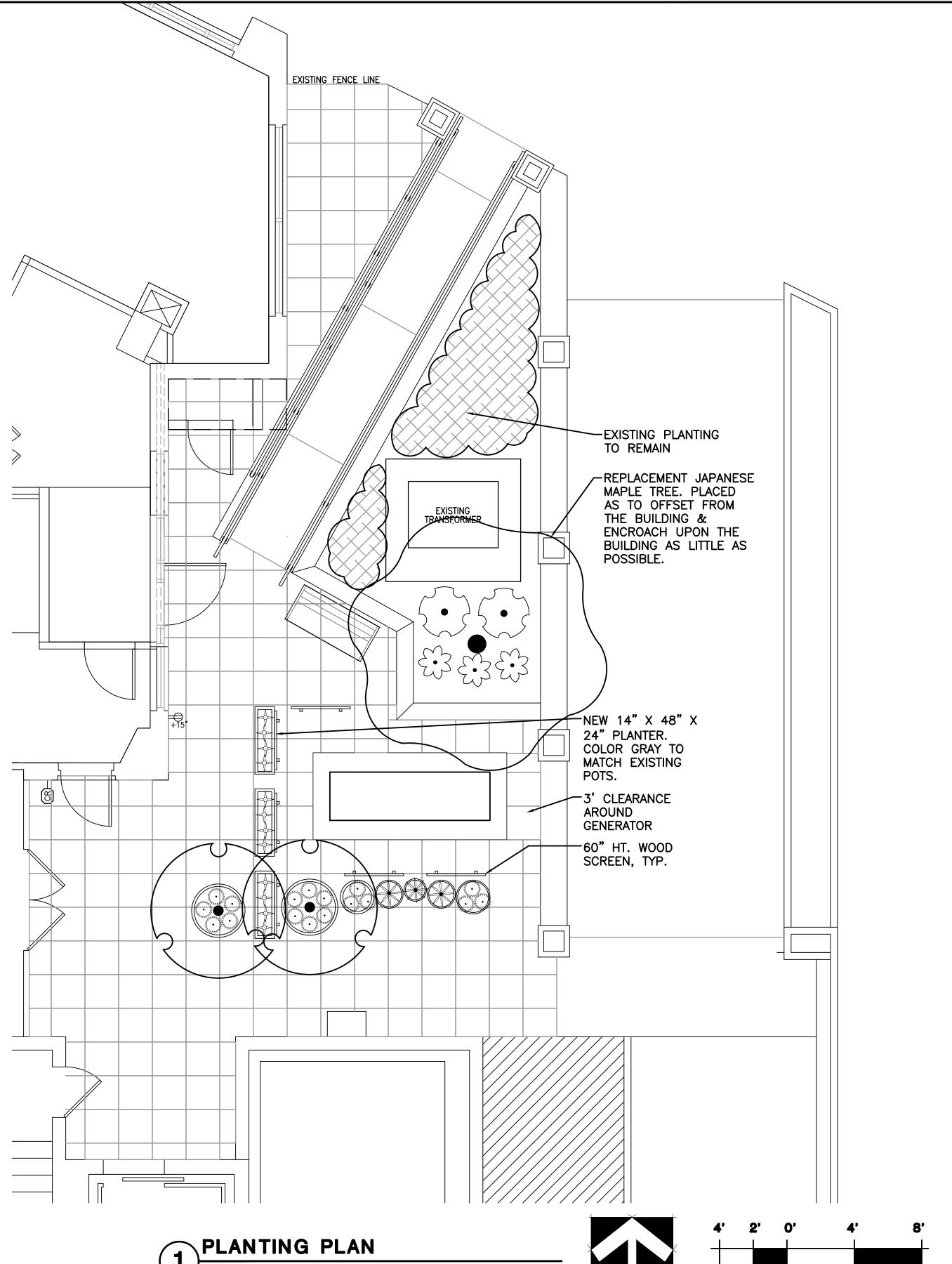
PLANTING PLAN, PLANTING SCHEDULE, & NOTES

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<u>QTY</u> <u>CONT</u> <u>CAL</u> **TREES** BOTANICAL / COMMON NAME ACER PALMATUM 'SANGO-KAKU' / CORAL BARK JAPANESE MAPLE B & B 2" CAL. STREET TREE QUALITY COTINUS COGGYGRIA 'ANCOT' / GOLDEN SPIRIT SMOKE TREE B & B 1" CAL. STREET TREE QUALITY BOTANICAL / COMMON NAME FIELD2 <u>QTY</u> DAPHNE ODORA 'AUREOMARGINATA' / GOLD-EDGED WINTER DAPHNE 2 GAL EQUISETUM HYEMALE / HORSETAIL 1 GAL 12 HAKONECHLOA MACRA 'AUREOLA' / GOLDEN VARIEGATED FOREST GRASS 1 GAL 17 HOSTA X 'PATRIOT' / PATRIOT HOSTA 1 GAL POLYSTICHUM POLYBLEPHARUM / JAPANESE TASSEL FERN 1 GAL

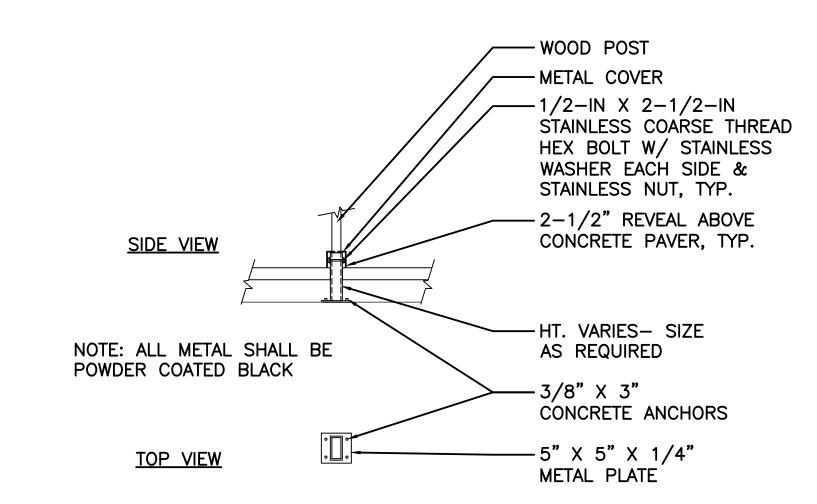
PLANTING NOTES

- 1. ANY DISCREPANCIES WITH THE DRAWINGS AND/OR SPEC'S AND SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REP. PRIOR TO PROCEEDING WITH CONSTRUCTION.
- 2. ALL MATERIALS TO BE DISPOSED OF OFFSITE ARE TO BE DISPOSED OF IN A LAWFUL LANDFILL AND IN ACCORDANCE WITH GOVERNMENT REQUIREMENTS.
- 3. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. CALL DIAL—A—DIG 811 PRIOR TO DIGGING.
- 4. AVOID DAMAGE ABOVE AND BELOW GROUND TO EXISTING PLANT MATERIALS TO REMAIN.
- 5. PLANT MATERIAL LOCATIONS SHALL BE COORDINATED WITH SPRINKLER IRRIGATION HEAD LOCATIONS TO AVOID CONFLICTS.
- 6. ALL EXISTING LANDSCAPE PLANTING AREAS DISTURBED BY WORK DESCRIBED IN THESE DRAWINGS & SPECIFICATIONS SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION.
- 7. ADJUST EXISTING IRRIGATION SYSTEM AS NEEDED TO MEET NEW CONDITIONS.
- 8. REINSTALL EXISTING RETAINING DRY STACK WALL SIMILAR TO PREVIOUS INSTALLATION.

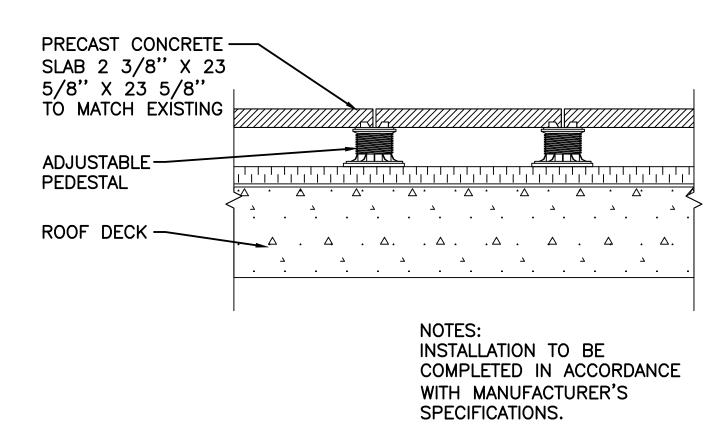


NORTH

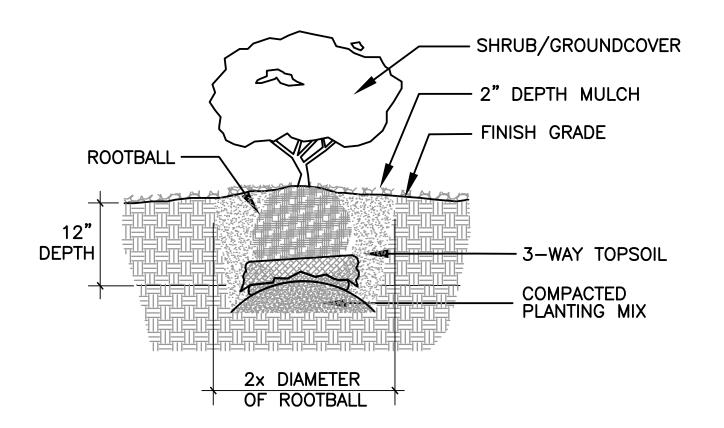




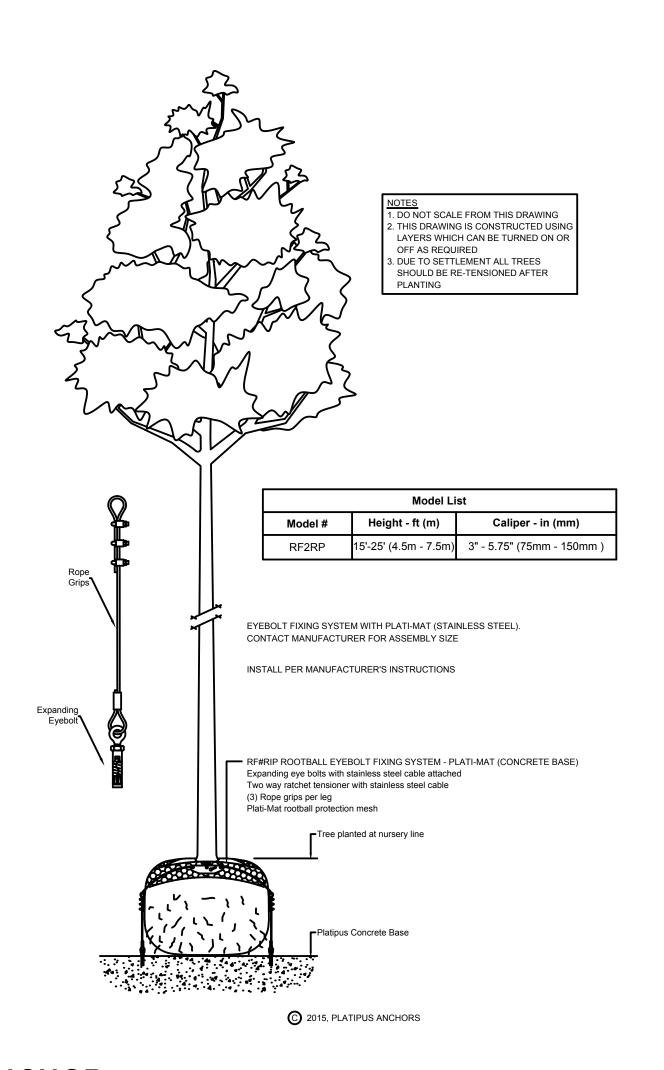
1 VEGETATION SCREEN



3 PEDESTAL PAVERS



SHRUB/GROUNDCOVER PLANTING DETAIL NOT TO SCALE SECTION



TREE ANCHOR

JPC ARCHITECT

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Plastic Surgery Floor 1 7800 SE 27th Street

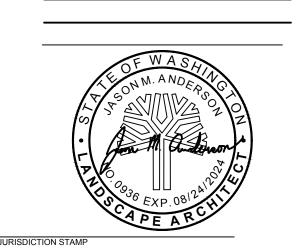
Mercer Island, WA 98040

DESIGN JA/MZ
DRAWN JA
CHECKED JA
NO. 22-0394

Design Two Four/Two Six

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DETAILS

L1.2

| SAMSUNG | AMSUNG VRF INDOOR DUCT COIL SCHEDULE | | | | | | | | | | | | | | | | |
|---------------|--------------------------------------|-----------------------|-------------|------|----------------------|-------------------------|--|------|--------------------------|----------------|------|-------------|--------------|----------------------|--------------------------------|--------------|-----------------|
| Tag Reference | Room(s) Served | Model | Refrigerant | CFM | Total MBH Cooling | Sensible MBH Cooling | Nominal Heating Capacity (BTU/h) | Туре | Material | Wall | Rows | Coil Size | Velocity FPM | Air Pressure Drop | Refrig Pipe Connection Size | Weight (lbs) | Notes / Options |
| DC-1 | Class "B" Surgery | DX38S03S15-27x12.5-LH | 410A | 740 | 23,400 | 18,500 | 24,000 | 3/8" | 0.006 Aluminum Sine-wave | 0.016 / Smooth | 3 | 20"w x 14"h | 411 | 0.43 | 5/8" / 5/8" | 25 | 1, 3, 4 |
| DC-2 | Class "C" Surgery | DX38S03S14-20x12.5-LH | 410A | 1020 | 35,100 | 37,300 | 36,000 | 3/8" | 0.006 Aluminum Sine-wave | 0.016 / Smooth | 3 | 26"w x 16"h | 381 | 0.4 | 5/8" / 7/8" | 33 | 2, 3, 4 |
| | | | | | | | | | | | | | | | | | |

1. Provide LEV Kit MXD-A32K100E

2. Provide LEV Kit MXD-A40K100E

3. MERV 8 Filtration Duct Mounted Ahead of SF fan. 4. MERV 14 Filtration Duct Mounted After Coil

| SAMSUNG VRF OUTDOOR HEAT PUMP W/ HEAT RECOVERY SCHEDULE | | | | | | | | | | | | | |
|---|--|-------------|-------------------------------------|-------------------------------------|--------------------------------|------|-----------------|-----|------|--------------------|---------------|-----------------|-----------------|
| Tag Reference | Model Number | Refrigerant | Nominal Cooling Capacity (BTU/h) | Nominal Heating Capacity (BTU/h) | Cooling Efficiency IEER/EER | HSPF | Electrical | | | Refrig Pipe Dim | Weight LBS | Sound Rating dB | Notes / Options |
| | 140 Accepta de 1110 atron 1110 Accepta de 140 Accep | | Capacity (B10/11) | Capacity (DTO/II) | ILEN/LEN | | Voltage / Phase | MCA | MOCP | 8 | LDS | ub | |
| HP-3 | AM060NXMDCR/AA | 410A | 60,000 | 66000 | 17.1 / 10.9 | 10.9 | 208 / 230V / 1 | 32 | 50 | 3/8" / 3/4" / 5/8" | 276# | 58 | 1 |

Provide Wind Baffles

| Louver S | chedule | | | | 7 | | |
|----------|-----------|---------|---------|-----------|--------|----------|---|
| I.D. No. | Mfr. | Model | Size | Free Area | Finish | Quantity | Med Gas Louver Sizing |
| L-1 | Greenheck | ESD-403 | 24 x 12 | 0.7 | Mill | 2 | (10ea.) Type "H" Tanks = 2440 2440 / 1000 cu. ft. = 2.44 2.44 x 24 sq. In. = 59 sq. In. Min per code = 72 sq. In. 72/144= .5 sq ft. |
| L-2 | Greenheck | ESD-403 | 18 x 18 | 0.83 | Mill | 1 | |

| Slot Diffuse | r Schedule | | | | | | | | | |
|--------------|-------------------|-----------------------------------|-------------------|---------|-------------|------------|-------------|----------|------------|---------------------------------|
| I.D. No. | Mfr. & Model | Туре | Use | Max CFM | Slot Length | # of Slots | Slot Witdth | Material | Deflector | Notes |
| SL-1 | Greenheck XG-6600 | Modular Linear Slot Diffuser | Supply / Transfer | 130 | 24 | 2 | 1" | Aluminum | "Ice Tong" | Provide with Sound Lined Plenum |
| SL-2 | Greenheck XG-6600 | Modular Linear Slot Diffuser | Supply / Transfer | 200 | 24 | 3 | 1" | Aluminum | "Ice Tong" | Provide with Sound Lined Plenum |
| SLR-1 | Greenheck XG-6600 | Modular Linear Slot Return Grille | Return | 300 | 24 | 3 | 1" | Aluminum | "Ice Tong" | Provide with Sound Lined Plenum |
| SLR-2 | Greenheck XG-6600 | Modular Linear Slot Return Grille | Return | 400 | 24 | 4 | 1" | Aluminum | "Ice Tong" | Provide with Sound Lined Plenum |
| SLR-3 | Greenheck XG-6600 | Modular Linear Slot Return Grille | Return | 800 | 48 | 4 | 1" | Aluminum | "Ice Tong" | Provide with Sound Lined Plenum |

1. Provide remote balancing damper where installed in wood veneer ceilings.

| I.D. No. | Mfr. & Model | Type | Neck Size | Overall Size | Material | Notes |
|----------|--------------|----------------------------|-----------|---------------|----------|-------|
| ORCD-1 | Titus TLF-AA | Laminfar Flow Diffuser | 12"ø | 60" x 24" | Aluminum | 1 |
| ORCD-2 | Titus TLF-AA | Laminfar Flow Diffuser | 8"ø | 48" x 12" | Aluminum | 1 |
| CD-1 | Titus MCD | Lay-in, 4-Way | 6" x 6" | (2) | Steel | 2 |
| CD-2 | Titus MCD | Lay-in, 4-Way | 8" x 8" | - | Steel | 2 |
| CD-3 | Titus MCD | Lay-in, 4-Way | 10" x 10" | | Steel | 2 |
| RG-1 | Titus 50F | Eggcrate Grille, Lay-in | 6" x 6" | | Aluminum | 2 |
| RG-2 | Titus 50F | Eggcrate Grille, Lay-in | 8" x 8" | | Aluminum | 2 |
| RG-3 | Titus 50F | Eggcrate Grille, Lay-in | 10" x 10" | 141 | Aluminum | 2 |
| EG-1 | Titus 50F | Eggcrate Grille Surface Mt | 6" x 6" | : # :: | Aluminum | 2 |
| EG-2 | Titus 50F | Eggcrate Grille Surface Mt | 8" x 8" | • | Aluminum | 2 |
| LWR-1 | Titus 350 RL | Wall Mount Return Grille | 12" x 10" | - | Steel | |
| LWR-2 | Titus 350 RL | Wall Mount Return Grille | 12" x 12" | - | Steel | |

SE 24th St.

SE 29th St.

SE 30th St.

SE 30th Pl.

SE 31st St

1. Do a manual layout with lighting and ceiling layout. Verify size with GC and EC prior to ordering.

2. Provide Opposed blade dampers in hard lid ceiling installations.

SE 30th St.

| | Far | n | | MERV 14 FINAL FILTE | R | |
|----------------|---------------------|----------------------|---------------------------|--------------------------------|----------------|-------------|
| Ton | Airflow | Filter Velocity | Filter | Filters | Initial Static | Max. Statio |
| Tag | CFM | FPM | Make & Model | Size | INCH W.G. | INCH W.G |
| SF-1 | 750 | 270 | Aerostar Geopleat # 21646 | 20 x 20 x 4 | 0.35 | 1.50 |
| SF-2 | 1040 | 374 | Aerostar Geopleat # 21646 | 20 x 20 x 4 | 0.35 | 1.50 |
| Final Filter I | MERV 14 | | | | | 1.00 |
| | | 1 | | MERV 8 PRE FILTER | | 1.00 |
| Final Filter I | MERV 14 | | Filter | | | Max. Stati |
| | MERV 14 | 1 | | MERV 8 PRE FILTER | | |
| Final Filter I | MERV 14 Far Airflow | n Filter Velocity | Filter | MERV 8 PRE FILTER | Initial Static | Max. Stati |
| Final Filter I | Far Airflow CFM | Filter Velocity | Filter Make & Model | MERV 8 PRE FILTER Filters Size | Initial Static | Max. Stati |

| I.D. No. | Manufacturer | Model | Type | Retaining Plates | Size | Note |
|----------|--------------|----------|-------------------------------|------------------|------|------|
| FD-1 | Greenheck | DFDR-510 | Dynamic 1-1/2 Hour Fire UL555 | Yes | 6" | 1 |
| FD-2 | Greenheck | DFDR-510 | Dynamic 1-1/2 Hour Fire UL555 | Yes | 8" | 1 |
| FD-3 | Greenheck | DFDR-510 | Dynamic 1-1/2 Hour Fire UL555 | Yes | 10" | 1 |
| FD-4 | Greenheck | DFDR-510 | Dynamic 1-1/2 Hour Fire UL555 | Yes | 12" | 1 |

1. Provide additional Blade Position Indicator

| Magnaheli | c Differential Press | ure Gauge | | | | | |
|-----------|----------------------|---|----------------|----------|-----------|---------------|----------|
| Mfg. | Granger Part No. | Туре | Pressure Range | Accuracy | Dial Size | Notes | Quantity |
| DWYER | 3T317 | Diaphram Magnehelic Differential Pressure Gauge | 0" - 2 " wc | +/- 2% | 4- Inch | With 1/8" NPT | 4 |
| | | | | | | | |

| Control | Damper Sche | edule | | | | | | | |
|---------|-------------|---------|---------------|-------|---------------------|----------------|---------|---------|----------|
| | | | | | Leakage CFM | Actuato | r | | |
| .D. No. | Mfr. | Model | Type | Class | per sq. ft. | Mfr. & Model | Voltage | Size | Quantity |
| MD-1 | Greenheck | VCDR-53 | Opposed Blade | 1 | 4cfm/sf @ 1 in.w.g. | Belimo LF 120S | 120 | 18"x18" | 1 |

Note: Interlock to close when fan EF-4 is disabled.

GENERAL NOTES

All duct sizes shown are clear inside dimensions.

- All duct gauges and supports per 2018 International Mechanical Code and SMACNA Duct Construction Manual.
- ASEI to air balance all systems to within 10% of design airflow upon project completion. Insulate supply and return ductwork where not located in conditioned space with minimum R-6 Johns Manville
- Permacote Linacoustic R-300 liner or wrap. Insulate all outside air ducts with minimum R-8 Johns Manville Permacote Linacoustic R-300 liner or wrap.
- All duct transverse seams and longitudinal joints shall be sealed. All ductwork is constructed and sealed per IMC. OSA ductwork meets air leakage requirements per C402.5 and vapor retarder requirements per the IBC.
- Materials within ducts or plenums shall have a flame spread rating less than 25 and a flame smoke development rating
- less than 50 per WSEC 2018.
- All duct systems on this project are low pressure.
- Condensate drain piping shall be copper, PVC, or PEX.
- Auxiliary condensate drain overflow protection shall be provided per 2018 International Mechanical Code 307.2.3.
- Provide insulation on all refrigerant piping per 2018 Washington State Energy Code Table C403.2.9. For VRF outdoor refrigerant pipes, provide 1.5" thick pipe insulation with k-value between 0.25 – 0.29 for 125°F mean rating temperature. For VRF indoor refrigerant pipes, provide 1" thick pipe insulation with k-value between 0.21 – 0.28 for 100°F mean rating temperature.

| DEDICATED | OUTSIDE AIR SYSTEM WITH I | ENERGY RECOVERY VENTILAT | OR SCHEDUL | .E | | | | | | | | |
|--------------|---------------------------|-----------------------------|-----------------|-----------------|----------|-----------------------------------|--------|------------------|------------|------------|-----------------|-----------------|
| Lossnay Tag | Make and Madel | Core Type | Airflow (cfm) | Max ESP (INWG) | Hi | overy Effectiver gh Fan Speed) | | Voltage / Phase | MCA / MOCR | Weight LBS | Sound Rating dB | Notes / Options |
| LUSSIIAY TAY | Make and Model | Core Type | Allilow (Cilli) | Wax LOF (INVVO) | Sensible | Summer | Winter | Voltage / Filase | MCA / MOCP | Weight Lb3 | South Rating up | Notes / Options |
| ERV-1 | Lossnay LGH-F380RVX2-E | Fixed Permeable Cross Plate | 385 | 0.6 | 65% | 50% | 63% | 208V/1-Phase | 3.9 / 15 | 110 | 34 | 1,2,3 |
| | | | | | | | | | | | | |

Notes & Options:

- 1. ERV to Interlock to SF-1 & SF-2. Motorized shut off dampers not required per C403.7.8 (Exception 1.3)
- 2. Hang ERV-1 from floor framing. Utilize spring isolators.
- 3. Do not use factory filters. Use Duct Mounted MERV8 Filters.

| I.D. No. | Unit | Mfr. | Model | Duct Size | KW | Voltage | Ph. | Control | Notes |
|----------|-------|--------|-------|------------------|----|---------|-----|---------|-------|
| DH-1 | ERV-1 | Warren | CBK | 10" | 5 | 208 | 3 | 24 V. | 1 |

1. Provide built-in thermostat with SCR, Set to 60°. Enabled when OSA temp is below 45°F. Interlock to ERV units.

| Fan Schedu | ıle | | | | | | | | | | | | | | | | |
|------------|-----------------|-----------|-------------------|---------|------|-----------|-----------|------|-------|---------|------|------------------|----------------------------|---------|------------------|--------------------------|-------|
| I.D. No. | Area Served | Mfr. | Model | Туре | CFM | Min S.P. | Max SP | RPM | Sones | Voltage | Ph. | HP or W | Sound Rating dB / Sones | Op. Wt. | Speed Control | Controlled By | Notes |
| SF-1 | Class B Surgery | Greenheck | SQ-7-M1-VG | Inline | 750 | 2.0" w.g. | 3.0" w.g. | 3502 | * | 208 | 3 | 1.5 HP | | | VFD | HVAC controls | 1, 2 |
| SF-2 | Class C Surgery | Greenheck | SQ-7-M1-VG | Inline | 1050 | 2.0" w.g. | 3.0" w.g. | 2351 | *: | 208 | 3 | 1.5 HP | | | VFD | HVAC controls | 1, 2 |
| EF-1 | NOT USED | <u>.</u> | Ē | - | | ÷. | <u>.</u> | | | Ē | 5. | u ‡ x | - | E. | ā | | Ē |
| EF-2 | NOT USED | - | - | - | - | 2 | - | - | 21 | 2 | (an) | | - | :=1 | 2 | 5. | 2 |
| EF-3 | Elect / IT Room | Greenheck | SP-A50-90-VG | Ceiling | 50 | .5 | - | 808 | | 120 | 1 | 6 W | 40 / 2.0 | | Yes | Line Voltage Temp Sensor | • |
| EF-4 | VAC Room | Greenheck | AER-36-03-0300-VG | Wall | 400 | .05 | - | 378 | | 120 | 1 | .5 HP | 44 | 108 | Yes | Line Voltage Temp Sensor | |

- 1. Provide with flow bridge and VFD control to provide constant airflow as filter static increases.
- 2. Fan controlled by MCMDZ11UN Control Kit at Duct Coil

| Tag Reference | Model Number | Number of Ports | Max Connected Capacity | Refrig Pipe Dim | Voltage / Phase | MCA | MOP | Sound Rating dB | Weight | Notes / Options |
|---------------|--------------|-----------------|---------------------------|--------------------|-----------------|-----|-----|-----------------|--------|-----------------|
| HRC-1 | MCU-R4NEKON | 4 | 76,000 | 3/8" / 3/4" / 5/8" | 208/230V / 1 | 2.0 | 15 | 34 | 47 # | 1 |

| I.D. No. | Mfr. & Model | Type | Unit Served | Notes | Quantity |
|----------|---------------------------|------------|-------------|--------------------|----------|
| T1 | Samsung HVAC # MWR-WG00UN | Thermostat | DC-1 | Mount @ 48" A.F.F. | 1, 2 |
| T2 | Samsung HVAC # MWR-WG00UN | Thermostat | DC-2 | Mount @ 48" A.F.F. | 1, 2 |

1. VRF System Central Controller shall control local thermostats for all air handlers. Controller shall be programmable, capable of 5 degree deadband, and have 2 occupied/ unoccupied schedules for seven days per week. Controller shall be capable of automatically adjusting the daily start time of the HVAC system in order to bring each space to the desired occupied temperature immediately prior to scheduled occupancy.

2. Provide in conjunction with MCM-A300UN Touch Centralized Controller, MCMD211UN UCK Control Kit, MXD-A32K100E EEV kit, MXD-A40K100E EEV kit.

| Electric W | all Heater Sch | edule | | | | | | | | | |
|------------|----------------|-------------------------|------|-------|-------|---------|-----|-------|-----------------|---------|------|
| I.D. No. | Area | Туре | Mfr. | Model | Watts | Voltage | Ph. | Amps. | Control | Wt. | Qty. |
| EWH-1 | Vacuum Rm | Fan-driven wall-mounted | King | PAW | 250 | 120 | 1 | 2.1 | Built-in T-stat | 10 lbs. | 1 |

| Mech | anical Sheet Index |
|-------|---|
| Sheet | Title |
| M-1 | HVAC NOTES & SCHEDULES |
| M-2 | PARTIAL PLAN FIRST FLOOR TENANT IMPROVEMENT & MECHANICAL LEGEND |
| M-3 | PARTIAL PLAN EXISTING GARAGE & VENTILATION SCHEDULE |



| DRAWN | BSR | DESIGN | ЛW | DATE | JUNE 15, 2023 | APPROVED |
|-----------|--------|--------|----|------|---------------|---|
| | DATE | | | | | This drawing is the property of A or used without prior written app only as supplementary informations tions or departures from this dra |
| REVISIONS | CHANGE | | | | | This drawing is the property of AIR SYSTEMS ENGINEERING, INC., and must not be reproduce or used without prior written approval by AIR SYSTEMS ENGINEERING, INC., This drawing is to only as supplementary information to the architect's drawings and specifications. Any propositions or departures from this drawing must be approved by AIR SYSTEMS ENGINEERING, INC. |

DR. AJ AMADI TENANT IMF HVAC NOTES &

CITY OF MERCER ISLAND APPROVAL

ystems ering Inc. Air Sys Engineer

SCOPE OF WORK: Furnish and install:

- A complete VRF Split Heat Pump system with (2) zone ducted indoor systems and Merv-8 & Merv 14 filters per ASHRAE Std
- Provide new ductwork, dampers, GRDs (grilles, registers, diffusers), duct liner and insulation, thermostats, control wiring, refrigeration

piping, and condensation piping associated with new heat pump systems & existing heat pump systems. Reuse GRD's as applicable. Provide new intake vents & exhaust vents for ventilation air and

exhaust systems.

- Provide (2) louvers for Gas Storage Room
- Provide IT/ELECT Room Exhaust Provide VACUUM Room Exhaust
- Provide Dryer Exhaust Duct
- CTS. Check, test, and start new unit to ensure it is operating properly.
- Provide air test and balance with final report. Provide owner's manual and instructions.
- One-year warranty on all materials installed and workmanship.

COMPLETION

Electrical Contractor

COORDINATION NOTES

General Contractor

Provide Test and Balance Report, Equipment Startup Test Reports, Operation and Maintenance Manuals, and As-built Record Drawings, as applicable, to Owner upon Project Completion.

1. General Contractor to cut and provide openings for all rooftop, ceiling, floor, and wall penetrations, including

General Contractor to provide structure for mounting and hanging members of mechanical equipment.

6. General Contractor to provide all cutting of t-bar ceiling and extra material as required for HVAC installation.

3. Electrical Contractor to provide 120v service outlet within 25 feet of each piece of mechanical equipment.

1. Electrical Contractor to provide all electrical connections, disconnects, and motor starters for mechanical equipment.

2. Electrical Contractor to verify equipment sizes, loads and locations with ASEI mechanical plan and with field conditions.

required. General Contractor to verify penetration locations with ASEI before framing openings.

3. General Contractor to provide all demolition, patching and painting as required for mechanical work.

4. General Contractor to provide service access per code to all mechanical equipment.

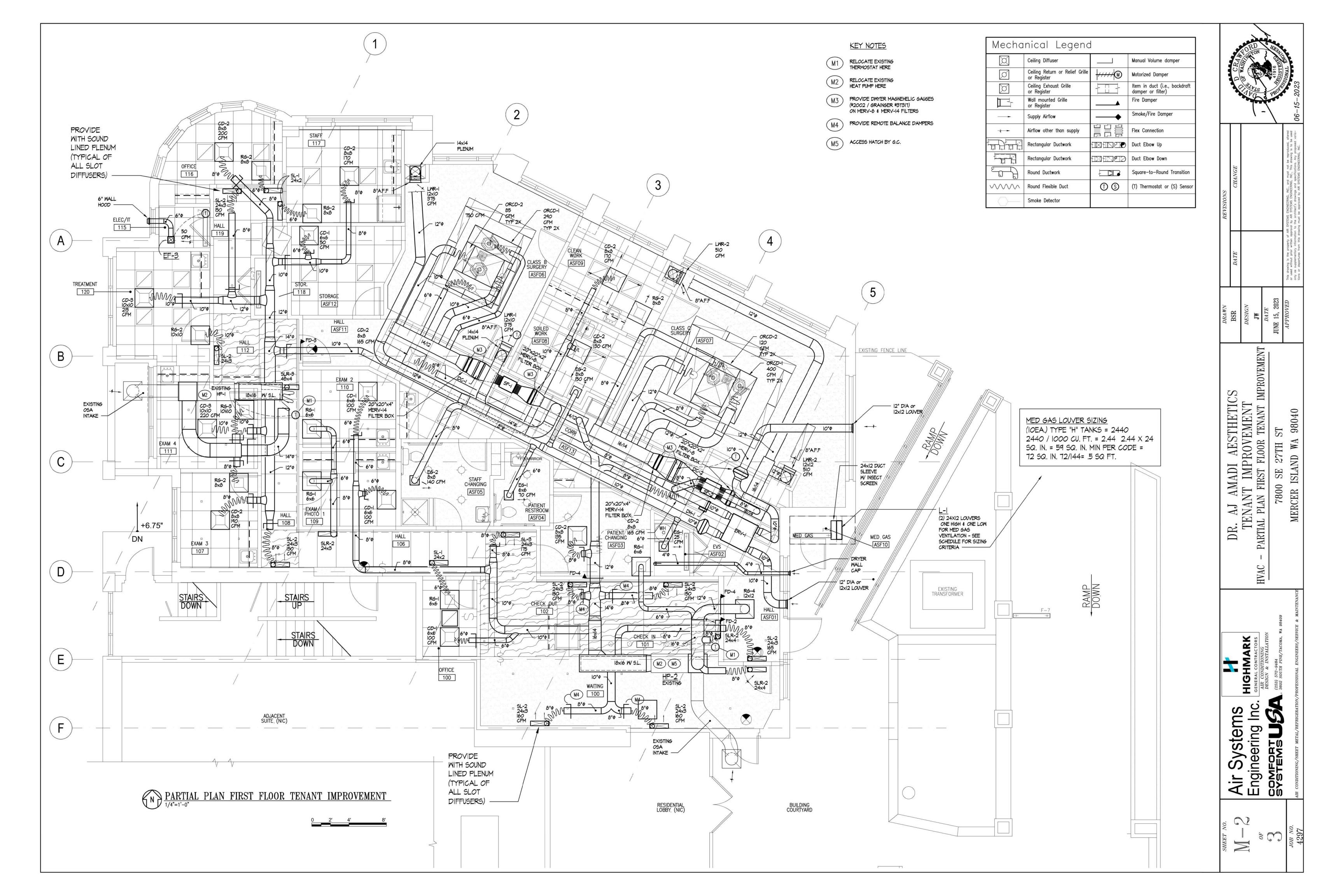
2. General Contractor to provide framed openings where required for all mechanical penetrations, including headers if

weatherproof sealing. ASEI to provide size and location.

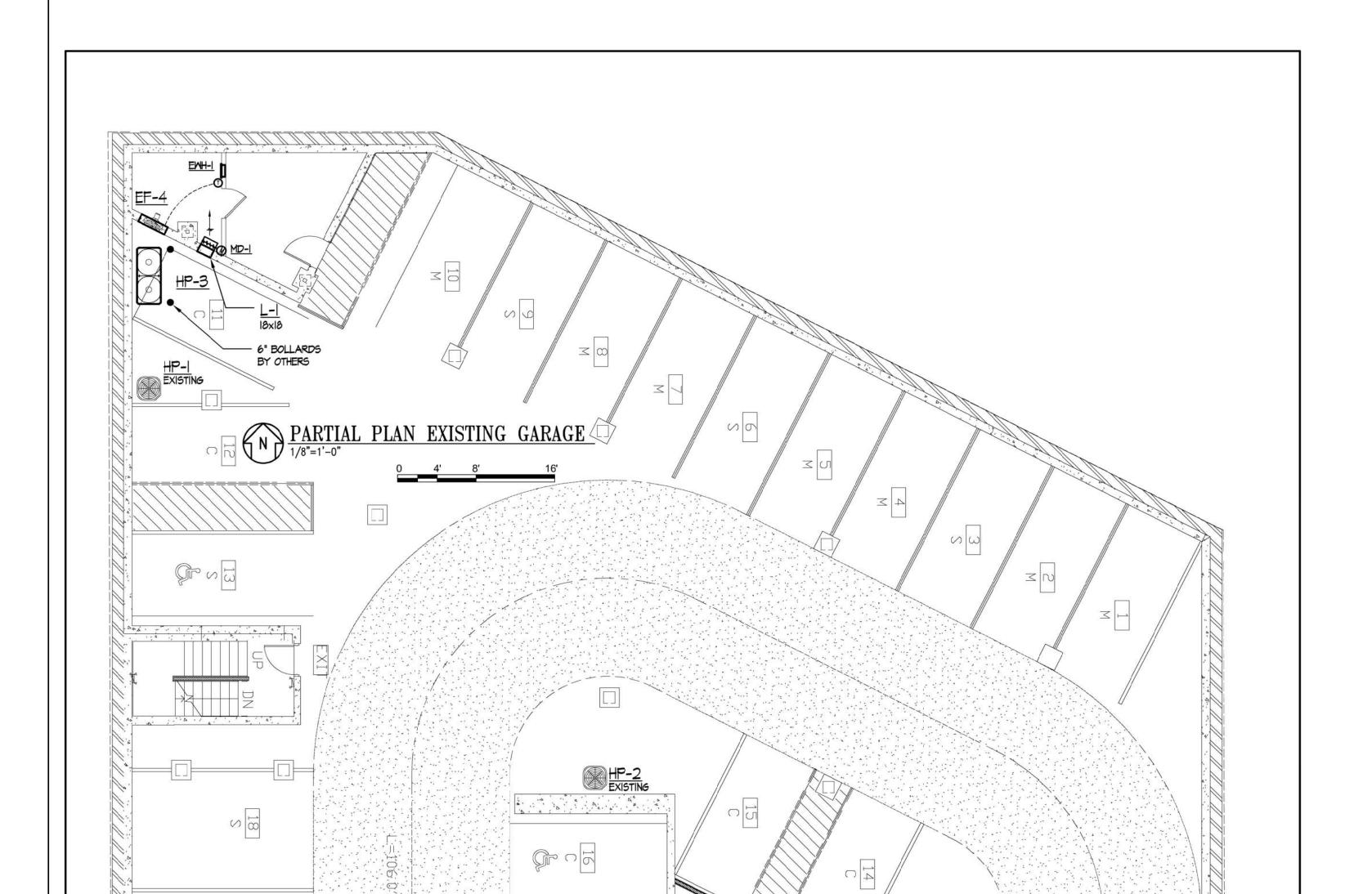
ASEI to install all 24 volt low voltage wiring for thermostats.

6. Electrical Contractor to install all line voltage wiring and conduit.

SE 32nd St.

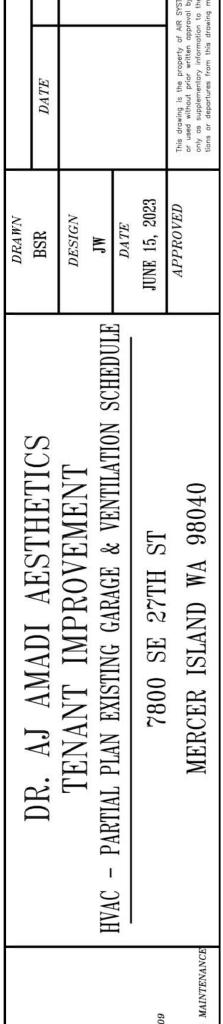


| | | | | | | Circulation | alculation r | EI IIVIC 403. | | L 02 & WAC 24 | 0-320 WILLI ANSI/ | ASHRAE/ASHE Star | | | | | 1 | |
|-------------------------|---------------------|-------------------|----------------------|--------------------------|----------------------------|--------------------------------|-------------------------------|---------------|-----------------------------|---|----------------------|--------------------|---|---|--|----------------------------------|--------------------------|----------|
| Occupancy | Gross Area (ft2) | Ceiling Ht.ft. | Room Volume (ft3) | OSA Air Changes / Hr. | Total Air Changes / Hr. | Occupiable Floor Area (ft²) | People (Occupants 1000) | Occupants | Outdoor Air (CFM/Person) | Outdoor Air CFM Per Occupants (A) | OSA CFM (ft²) (B) | OSA For AREA (ft²) | Total Outdoor Air CFM Per ASHRAE 62 / 403.3.1.1 (A) + (B) | Total Outdoor Air CFM Required Per ASHE Standard 170-2017 | Total Supply Air CFM Required Per ASHE Standard 170-2017 | Total Supply Air CFM Supplied | Total Exhaust Air CFM | Pressure |
| #ASF06 Class B Surgery | 240 | 9.25 | 2220 | 4 | 20 | | | 1.0 | - | | | 59- | - | 148 | 740 | 750 | | Positive |
| #ASF07 Class C Surgery | 330 | 9.25 | 3052 | 4 | 20 | € .c | 1 | - | - | | 2 | - | - | 203 | 1,017 | 1,020 | | Positive |
| #ASF09 Clean Wk Rm | 85 | 9.25 | 786 | 2 | 4 | - | | • | - | - | - | 5* | - | 26 | 52 | 170 | - | Positive |
| #ASF08 Soiled Work Room | 83 | 9.25 | 768 | 2 | 10 | | 9. | • | | • | ÷ | - | - | 26 | - | 130 | 150 | Negative |
| #120 Treatment | 107 | 9.25 | 990 | 2 | 6 | - | - | • | \ <u>\</u> | - | - | ∞- | - | 33 | 99 | 215 | - | N/R |
| #107 Exam 3 | 88 | 9.25 | 814 | 2 | 6 | | | 1.7.1 | S. | | - | | | 27 | 81 | 190 | - | N/R |
| #111 Exam 4 | 106 | 9.25 | 980 | 2 | 6 | -1 | 2 | - | - | - | - | % - | - | 33 | 98 | 220 | - | N/R |
| #106 / #108 /#112 Corr | 210 | 9.25 | 1942 | 2 | | | | | | | - | | | 65 | • | 300 | | N/R |
| #117 Staff Office | 56 | ° = 8 | - | • | ¥S | 56 | 5 | 1 | 5 | 5 | 0.06 | 3 | 8 | | = 2 | 170 | - | N/R |
| #116 Office | 49 | - | - | | . | 49 | 5 | 1 | 5 | 5 | 0.06 | 3 | 8 | | | 200 | | N/R |
| | | | | | | | | | | | | | | | € HP-1 | 1595 | | |
| #109 Exam 1 | 84 | 9.25 | 777 | 2 | 6 | | | 1-1 | 8= | | | | - | 26 | 78 | 100 | | N/R |
| #110 Exam 2 | 80 | 9.25 | 740 | 2 | 6 | 3. | ž. | • | • | | <u> </u> | | • | 25 | 74 | 100 | | N/R |
| #ASF03 Patient Changing | 96 | 9.25 | 888 | 2 | 6 | ¥: | • | i•3 | · | | - | | - | 30 | 89 | 135 | | N/R |
| #ASF05 Staff RR | 89 | 9.25 | 823 | • | 10 | 8. | 7. | • | • | | | | | £. | | 45 | 140 | Negative |
| #ASF04 Patient RR | 45 | 9.25 | 416 | • | 10 | • | - | 120 | | | ¥ | | - | • | 2 0 | u z | 70 | Negative |
| #AFS13 Corridor | 367 | 9.25 | 3395 | | 2 | | | 1.00 | | | 0.06 | | 22 | | 113 | 330 | | N/R |
| #100 Waiting | 116 | ~ | - | • | ₽2 | 87 | 30 | 3.48 | 5 | | 0.06 | | 27 | - | • | 400 | - | N/R |
| #101 Check in | 108 | 8 .5 55 | | | #6 | 80 | 30 | 3 | 5 | | 0.06 | | 20 | • 3 | - | 395 | | N/R |
| # 100 Office | 45 | • | • | * | • | 49 | 5 | 1 | 5 | 5 | 0.06 | 3 | 8 | 9 | • | 100 | • | N/R |
| #ASF12 Storage | 85 | 9.25 | 786 | | | | | | 2.5 | | 0.12 | 10.2 | 10 | | - | 50 | - | N/R |



| | Outdoor Air ASHRAE 62 | Outdoor Air STD 170-2017 |
|-----------------------|-----------------------|--------------------------|
| Subtotal | 103 | 641 |
| Effectiveness | 0.8 | Not Req'd Due to AC/H |
| Total Required | 129 | 641 |
| Mechanically Provided | 81 | 15 |
| | ERV-1 = | 385 |
| | Exist. HP-1 = | 230 |
| | Exist. HP-2 = | 200 |
| | Total | 815 |

| | Exhaust Air | |
|-----------------------|-------------|--|
| Subtotal | 360 | |
| Total Required | 360 | |
| lechanically Provided | 385 | |
| ERV-1 = | 385 | |
| Total | 385 | |



Air Systems
HIGHMARK
Engineering Inc.

COMFORT
SYSTEMS

(253) 572-9484
SYSTEMS
(263) 572-9484

OF

ELECTRICAL SYMBOLS LEGEND



DETAIL/SECTION IDENTIFICATION: A = DETAIL/SECTION LETTER, B = SHEET NUMBER WHERE DETAIL/SECTION IS DRAWN.



EQUIPMENT CONNECTION CALLOUT. A,B EQUAL EQUIPMENT IDENTIFICATION ON MECHANICAL OR KITCHEN EQUIPMENT CONNECTION SCHEDULES. VERIFY EXACT EQUIPMENT REQUIREMENTS ON SHOP DRAWING EQUIPMENT SUBMITTALS PRIOR TO ROUGH-IN. DO NO ROUGH-IN FOR EQUIPMENT PRIOR TO REVIEW OF SUBMITTALS. REPORT ANY DIFFERENCES IN REQUIREMENTS TO ENGINEER IN WRITING.

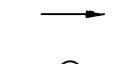


CONDUIT CONCEALED. HASH MARKS INDICATE NUMBER OF #12 CONDUCTORS IN CODE SIZE CONDUIT. NO HASH MARKS INDICATES 2-#12 CONDUCTORS PLUS GROUND IN 3/4" CONDUIT, LONG HASH MARKS INDICATES NEUTRAL CONDUCTOR.

✓ INDICATES GROUND CONDUCTOR.



FLEXIBLE RACEWAY, PROVIDE GROUND CONDUCTORS PER NEC.



A-1,3 ADJACENT TO ARROW INDICATES HOMERUN OF CONDUCTORS IN CONDUIT FOR CIRCUITS 1 AND 3 TO PANEL "A".



EXIT LIGHT WITH BATTERY, UNIVERSAL MOUNTING.



LIGHT FIXTURE, SURFACE MOUNTED ON CEILING.

LIGHT FIXTURE, RECESS MOUNTED IN CEILING.



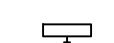
LIGHT FIXTURE, WITH EMERGENCY BATTERY PACK AND CONNECTED TO GENERATOR

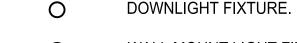


LIGHT FIXTURE, WALL MOUNTED.



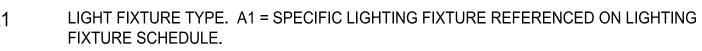
LIFE SAFETY BRANCH.





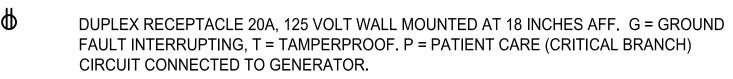
WALL MOUNT LIGHT FIXTURE.







POWER PANEL



DUPLEX RECEPTACLE 20A, 125 VOLT WALL MOUNTED HORIZONTALLY 2" ABOVE COUNTERTOP BACKSPLASH TO THE BOTTOM OF THE RECEPTACLE COVERPLATE.

FOURPLEX RECEPTACLE 20A, 125 VOLT, WALL MOUNTED AT 18 INCHES AFF.

SPECIAL RECEPTACLE. AMPERAGE AND VOLTAGE AS SHOWN.

DUPLEX RECEPTACLE 20A, 125 VOLT MOUNTED IN FLUSH FLOOR BOX.

EQUIPMENT CONNECTION. PROVIDE PER NEC AND MANUFACTURERS REQUIREMENTS AND/OR RECOMMENDATIONS.

WIRELESS, LIGHT SWITCH, SINGLE POLE, SUBSCRIPTS; 3 = THREE WAY, 4 = FOUR WAY, D = DIMMER CONTROL, a, b, c, ETC = NUMBER OF SWITCHES AT THE LOCATION AND SPECIFIC FIXTURES CONTROLLED. MOUNT AT 42 INCHES AFF.

AUTOMATIC/MANUAL OCCUPANCY SENSOR AND SINGLE POLE TOGGLE SWITCH. SENSORWORX #SWX-123 OR EQUAL. SWITCH SHALL BE PROGRAMMED FOR MANUAL ON, AUTOMATIC OFF.

DUAL TECHNOLOGY AUTOMATIC OCCUPANCY SENSOR DEVICE

DAYLIGHT PHOTOSENSOR

FUSED DISCONNECT SWITCH WITH FUSES.

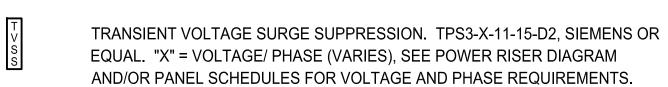
DISCONNECT SWITCH

MOTOR RATED TOGGLE SWITCH WITH OVERLOAD HEATER(S), SIZE PER NEC AND MANUFACTURERS REQUIREMENTS.

FLUSH MOUNTED DUAL TELEPHONE/DATA OUTLET, MOUNT AT 18" AFF. PROVIDE 4" SQUARE BOX WITH 1" CONDUIT AND PULL STRING TO ACCESSIBLE CEILING SPACE.

GROUND PER NEC.

AVAILABLE FAULT CURRENT

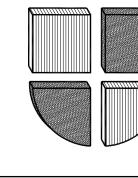


EXISTING

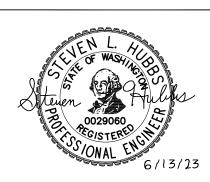
WEATHERPROOF



ENGINEERS,



REVISIONS:



MANUFACTURER <u>TYPE</u> <u>WATTS</u> <u>MOUNTING</u> F1 RECESSED LED L-SURGLED-14-120-L40-A-M-SYM-CM OR EQUAL F1X SAME AS TYPE F1 WITH EMERGENCY BATTERY PACK AND CONNECTED TO GENERATOR RECESSED F2 **METALUX** LED 29 22CGTS-L3C3 OR EQUAL F2A METALUX RECESSED LED 28 FSP-14-32-40-CA125 OR EQUAL F2AX SAME AS TYPE F2A WITH EMERGENCY BATTERY PACK AND CONNECTED TO GENERATOR RECESSED F3 LIGHTHEAD LED T2SF-T-XX-XX-CL-B55-30-CCT-9014/DRC-T2-5-P-120/RSP-XX-S-T OR EQUAL SAME AS TYPE F3 WITH F3X EMERGENCY BATTERY PACK AND CONNECTED TO GENERATOR F4 LED RECESSED PR4-FS12-D010-PR4M-12-MD-8FS-MW (SET FOR 1000 LUMENS) OR EQUAL F5 **ASTRO** LED 38 WALL (ILLUMINATED MIRROR) 1420005 OR EQUAL F6 RECESSED **AXIS LIGHTING** LED 95 BMPRLEDPAT-500-90-30-S0-RG2-19'-0"-W-UNV-DP-1-XX-ECR2 OR EQUAL RECESSED F6A **AXIS LIGHTING** LED 125 BMPRLEDPAT-500-90-30-S0-RG2-25'-0"-W-UNV-DP-1-XX-ECR2 OR EQUAL F6AX SAME AS TYPE F6A WITH EMERGENCY BATTERY PACK AND CONNECTED TO GENERATOR **AXIS LIGHTING** RECESSED BMPRLEDPAT-500-90-30-S0-RG2-22'-0"-W-UNV-DP-1-XX-ECR2 OR EQUAL F6BX SAME AS TYPE F6B WITH EMERGENCY BATTERY PACK AND CONNECTED TO GENERATOR **AXIS LIGHTING** RECESSED F6C LED 50 BMPRLEDPAT-OPRI(4)-500-90-30-SO-RG2-10'-0"-W-UNV-DP-1-XX-ECR2 OR EQUAL F7 METALUX WALL LED 31 4SLSTPSLC-UNV OR EQUAL F8 LITELINE UNDERCABINET LED 16 LEDBAR-58-30K OR EQUAL F8A LITELINE UNDERCABINET LED 14 LEDBAR-48-30K OR EQUAL F8B LITELINE LED UNDERCABINET 11 LEDBAR-34-30K OR EQUAL F8C LITELINE LED UNDERCABINET LEDBAR-23-30K OR EQUAL F9 10 LED, DECORATIVE, PENDANT, LED PENDANT ABOVE RECEPTION DESK,TBD F10 ELEMENT BY VISUAL COMFORT LED 12 RECESSED ESRF0604P-72"-190930-F-XX-M-1-E-D OR EQUAL F12 ELEMENT BY VISUAL COMFORT TOE KICK LED 42 ESR4SRP-22'-0"-18-930-F-XX-F-FEED-E-D OR EQUAL X1 SURE-LITES INCLUDED UNIVERSAL EU-S-7-0-G OR EQUAL UNIVERSAL X2 INCLUDED SAME AS X1 WITH DUAL FACE

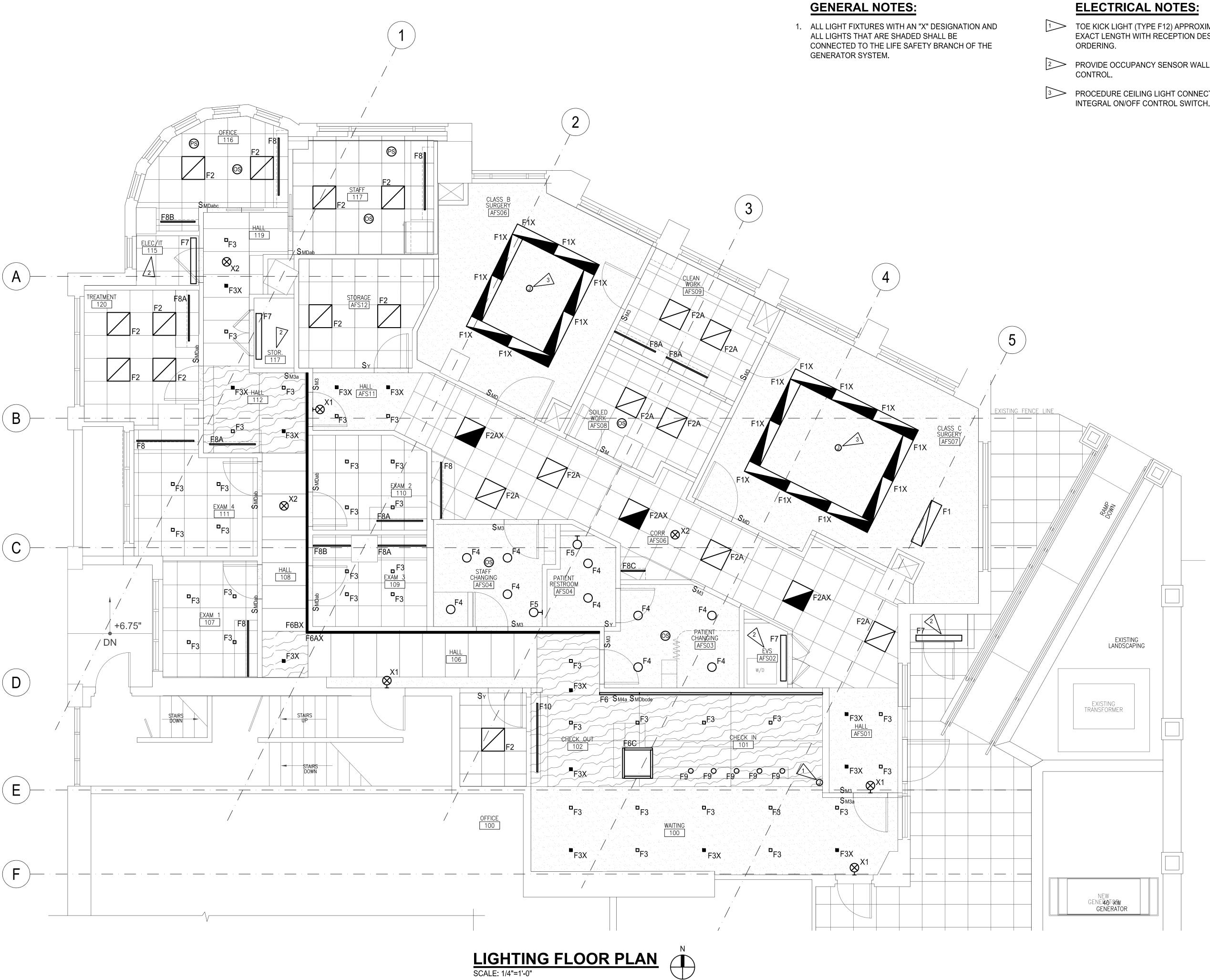
LIGHTING FIXTURE SCHEDULE

INC ENGINEERS, I King Jr. Way Phone: (253) 759

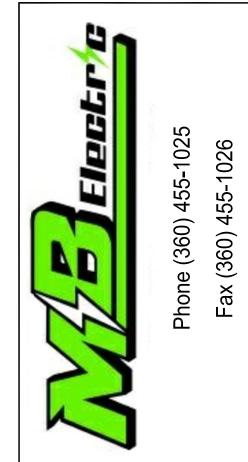
> AMADI AESTHETICS 7800 SE 27TH STREET MERCER ISLAND, WA 98040 SCHEDULE

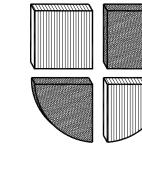
> > **REVISIONS:**

AS NOTED 22-189

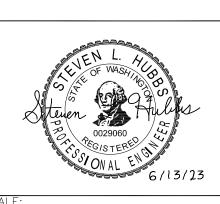


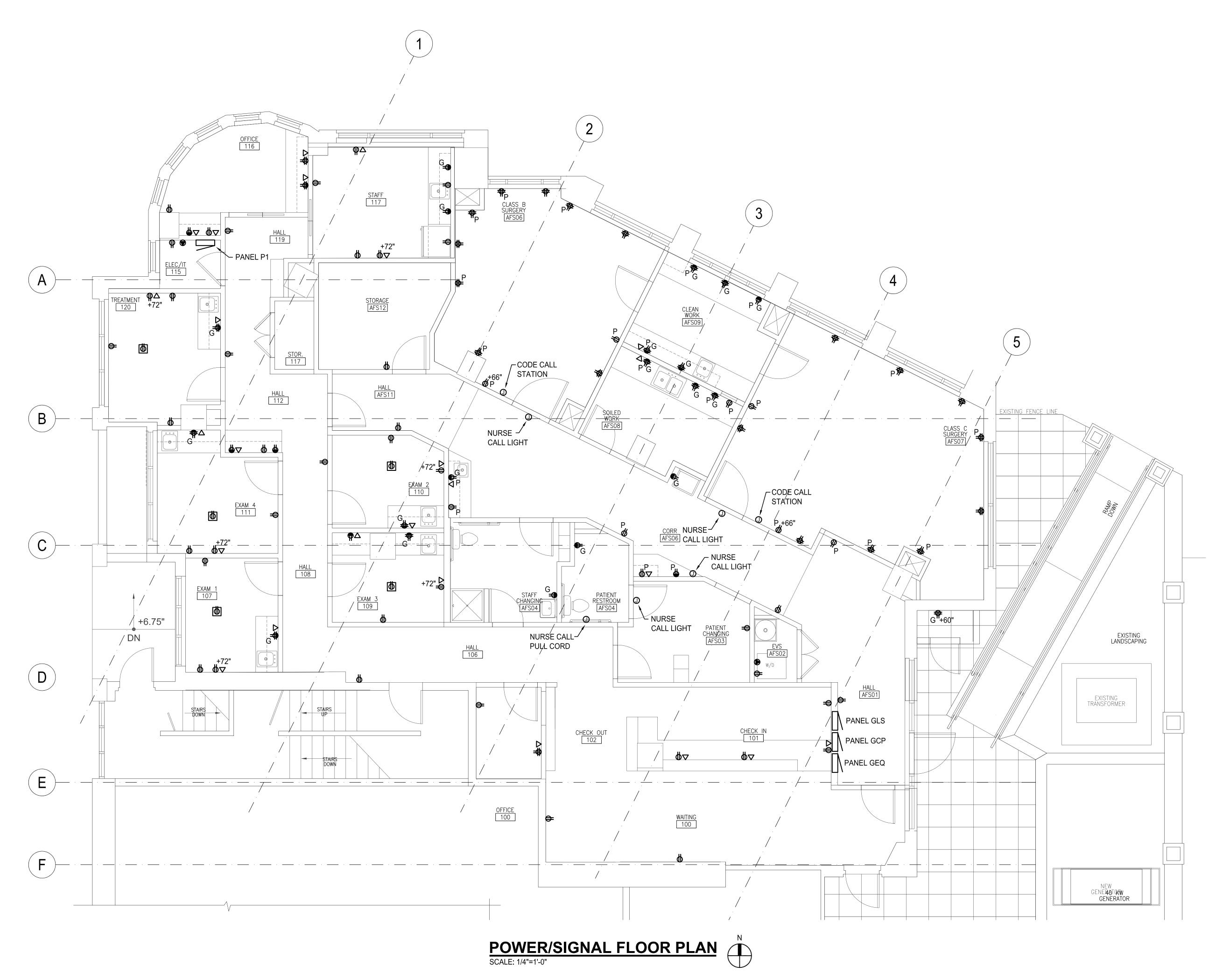
- TOE KICK LIGHT (TYPE F12) APPROXIMATELY 22'-0" LONG. VERIFY EXACT LENGTH WITH RECEPTION DESK SHOP DRAWINGS PRIOR TO
- PROVIDE OCCUPANCY SENSOR WALL SWITCH WITHIN ROOM FOR
- PROCEDURE CEILING LIGHT CONNECTION. LIGHT TO HAVE INTEGRAL ON/OFF CONTROL SWITCH.

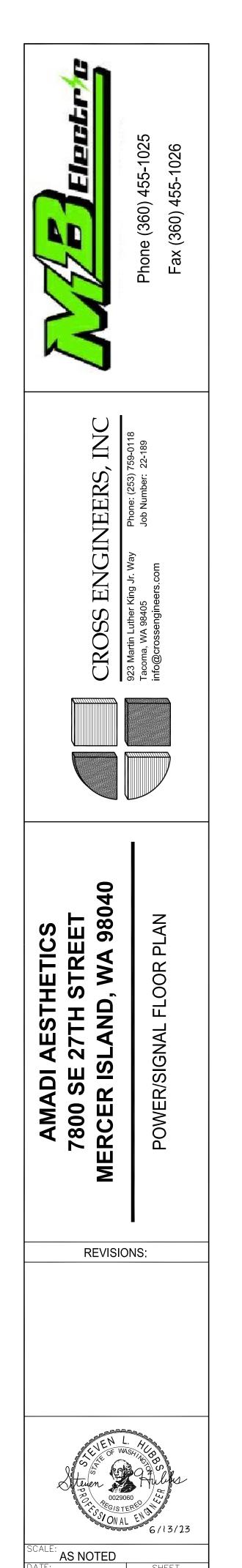


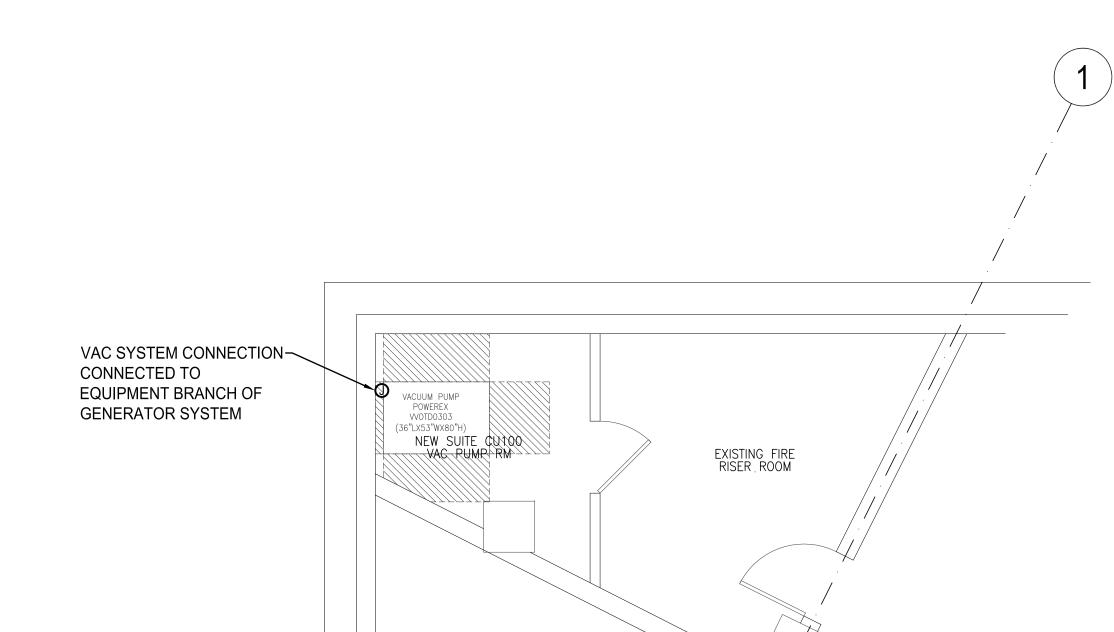


REVISIONS:

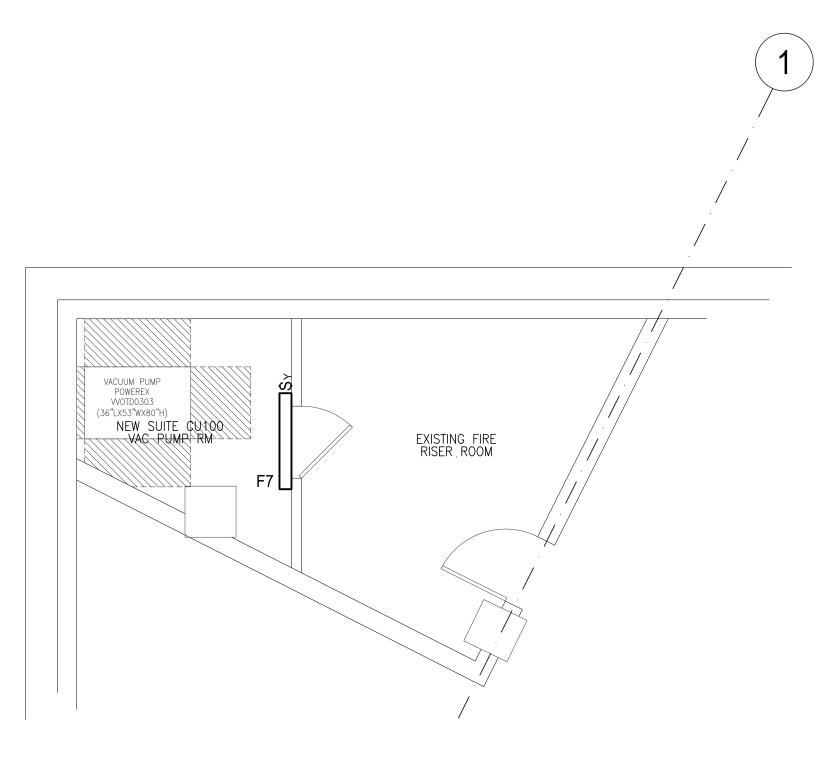








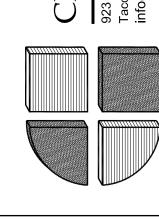
PARTIAL POWER FLOOR PLAN
SCALE: 1/4"=1'-0"





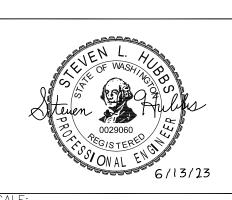


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info@crossengineers.com



AMADI AESTHETICS
7800 SE 27TH STREET
MERCER ISLAND, WA 98040

REVISIONS:



DATE:
6-13-2023
DRAWN BY:
SJK
CHECKED BY:
SLH
JOB NO.:
22-189

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OF

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CONDUIT AND CONDUCTOR SCHEDULE:

1 (E)(6)4"C-(4)#600 KCM AL EACH

(E)(2)3-1/2"C-(4)#500 KCM AL & (1)#2/0 AL GRD

(E)2-1/2"C-(4)#250 KCM AL & (1)#4 AL GRD

4 NEW 2-1/2"C-(4)#250 KCM AL & (1)#4 AL GRD

5 NEW 2"C-(4)#3/0 AL & (1)#4 AL GRD

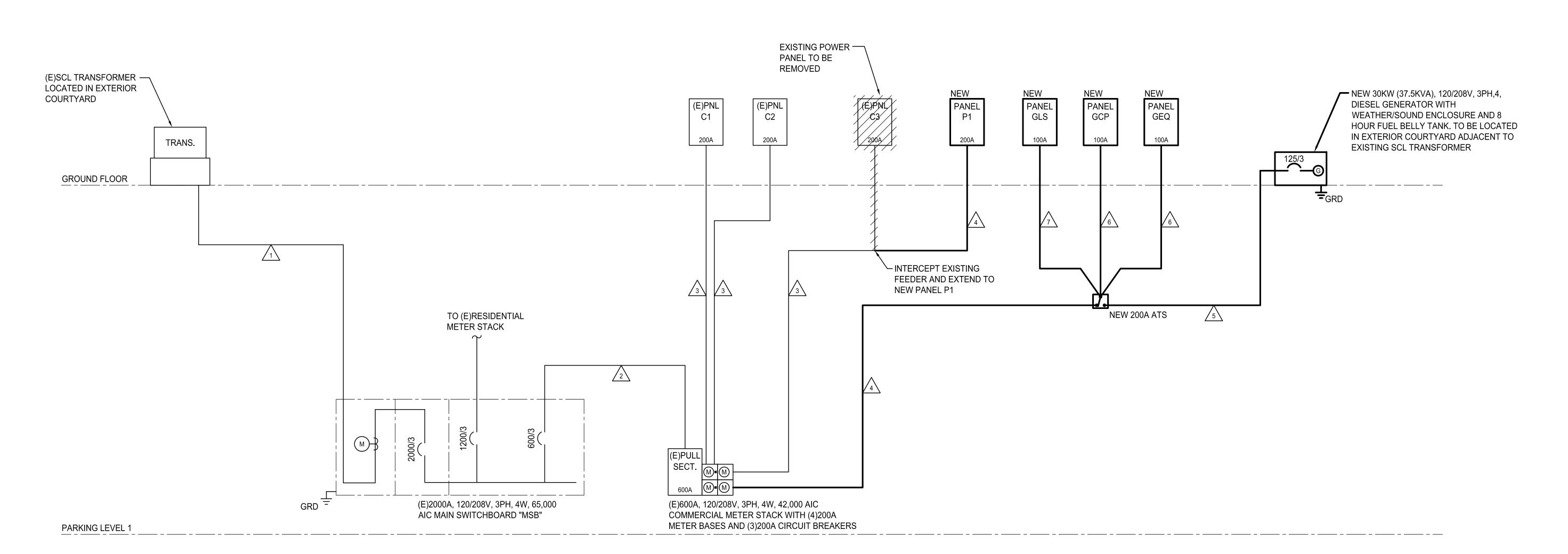
6 NEW 1-1/2"C-(4)#1 AL & (1)#6 AL GRD

NEW 1"C-(4)#6 CU & (1)#10 CU GRD

LEGEND:

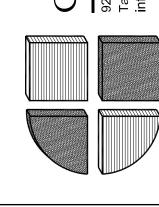
---- EXISTING

'////. EXISTING TO BE REMOVED

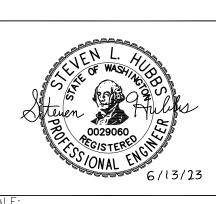


PARTIAL EXISTING/NEW POWER RISER DIAGRAM

CROSS ENGINEERS, INC



REVISIONS:



GENERAL NOTES

- REFERENCE TO RELATED WORK: "REF" INDICATIONS DENOTE WORK COVERED ELSEWHERE (ARCHITECTURAL, STRUCTURAL, CIVIL, ELECTRICAL, LANDSCAPE, OR KITCHEN), OR ITEM BASED ON A SPECIFIC MANUFACTURER'S DIMENSIONS (VERIFY).
- CODES: COMPLETE INSTALLATION OF THE PLUMBING SYSTEM SHALL BE PER THE APPLICABLE BUILDING, MECHANICAL, ENERGY, PLUMBING, FIRE, AND HEALTH CODES AND REGULATIONS AS ADOPTED BY THE LOCAL AHJ.
- 3. PREPARE AND SUBMIT FOR REVIEW A SHOP DRAWING BASED ON FINAL STRUCTURAL SHOP DRAWINGS FOR LOCATING AND ROUTING ALL EQUIPMENT, PIPING, ETC.
- A. COORDINATE FLOOR AND BEAM PENETRATIONS WITH STRUCTURAL.
 B. COORDINATE FINAL LOCATION AND ROUTING WITH CEILING, LIGHTS, WALLS, FIRE SPRINKLER PIPING, AND OTHER TRADES WORK.

INCLUDE ADDITIONAL OFFSETS, ELBOWS, ROUTING, EQUIVALENT

DUCT SIZING EXCHANGE, RELOCATING, ETC. AS REQUIRED FOR A

- COMPLETE OPERATING MECHANICAL SYSTEM.

 D. PROVIDE SHOP DRAWINGS AT NO ADDITIONAL COST TO THE OWNER.
- PLUMBING CONTRACTOR SHALL LOCATE AND COORDINATE EXACT LOCATION OF ALL PLUMBING EQUIPMENT WITHIN THE STRUCTURE.
- 5. ACCESS DOORS: COORDINATE WITH ARCHITECT AND LOCATE ALL ACCESS DOORS ON SHOP DRAWINGS PRIOR TO BEGINNING OF CONSTRUCTION. ACCESS DOORS IN FIRE RATED STRUCTURE SHALL BE FIRE RATED. VERIFY ACCESS DOOR LOCATIONS WITH GENERAL CONTRACTOR PRIOR TO BIDDING.
- 6. ROOF PENETRATIONS: SEE ARCHITECTURAL DRAWINGS FOR ROOF CAP, ROOF CURB, ROOF DRAIN, OVERFLOW DRAINS AND VTR DETAILS.
- 7. EXPOSED PIPING: PROVIDE CHROME PLATING FOR EXPOSED PIPING IN FINISHED ROOMS.
- 8. PENETRATIONS: PROVIDE ESCUTCHEON PLATES FOR EXPOSED PIPING PENETRATIONS AND SHEET METAL FLASHING FOR EXPOSED DUCTWORK PENETRATIONS.
- 9. SHAFT AND PLENUM CONNECTIONS: SEAL CONNECTIONS TO AIR SHAFTS AIRTIGHT. PROVIDE AIRTIGHT SEAL AROUND PENETRATIONS IN AIR PLENUMS.
- 10. LIGHT FIXTURE CLEARANCE: COORDINATE LOCATIONS OF MECHANICAL WORK TO PROVIDE CLEARANCES OVER LIGHTING FIXTURES FOR REMOVAL AND REPLACEMENT.
- 11. CABLE TRAYS: PIPING INSTALLED ADJACENT TO ELECTRICAL CABLE TRAYS SHALL ALLOW MINIMUM ACCESS OF 6" ABOVE AND TO THE SIDE OF CABLE TRAYS.
- 12. MOTORS: COMPLY WITH ENERGY CODE ENFORCED BY AHJ FOR MINIMUM EFFICIENCIES UNDER FULL LOAD.
- 13. ACCESS CLEARANCES FOR MAINTENANCE AND REPLACEMENT: VERIFY PHYSICAL DIMENSIONS OF EQUIPMENT TO ENSURE THAT ACCESS CLEARANCES CAN BE MET. COORDINATE LOCATIONS OF MECHANICAL WORK AND WORK OF OTHER TRADES TO PROVIDE ACCESS CLEARANCES FOR SERVICE AND MAINTENANCE.

COORDINATION REQUIREMENTS

- 1. PLUMBING FIXTURES & EQUIPMENT: COORDINATE EXACT LOCATION OF ALL PLUMBING FIXTURES & EQUIPMENT WITH ARCHITECTURAL AND OTHER TRADES DOCUMENTS.
- 2. PIPING: COORDINATE EXACT LOCATION OF ALL STRUCTURAL FRAMING & FOOTINGS AND FINALIZE THE EXACT ROUTING OF ALL PIPES WITH STRUCTURAL ENGINEER AT THE SITE PRIOR TO AND DURING THE CONSTRUCTION. COORDINATE UNDER GRADE PIPING & FOUNDATION DRAINAGE PIPING WITH CIVIL ENGINEER.
- 3. ADJUSTMENTS: ALL EQUIPMENT, MOTORS, FANS GAS BURNERS, IGNITION DEVICES, DRIVES, ETC. SHALL BE ADJUSTED AND BALANCED TO OPERATE AT SPECIFIED RATINGS AS REQUIRED FOR THIS PROJECT SITE AND ACCOUNTING FOR ELEVATION ABOVE SEA LEVEL.
- 4. APPROVALS: MECHANICAL AND PLUMBING EQUIPMENT SHALL BE APPROVED FOR INSTALLATION IN THE PROJECT LOCATION AND SHALL HAVE ALL CERTIFICATIONS AND RATINGS TO MEET ALL ENERGY, POLLUTION, ENVIRONMENTAL, SEISMIC, APPLICABLE CODES AND REGULATIONS. THE CONTRACTOR SHALL COORDINATE WITH MANUFACTURE SUPPLIERS AND SHALL INCLUDE ALL COSTS REQUIRED TO MEET THE BID DOCUMENTS.
- 5. FIRE PROTECTION: CONTRACTOR SHALL PROVIDE A FULLY DESIGNED FIRE PROTECTION SPRINKLER SYSTEM IN COMPLIANCE WITH NFPA AND LOCAL CODES. PROVIDE DESIGN, PERMITS, MATERIALS, INSTALLATION, TESTING AND ALL OTHER FOR A FULLY OPERATIONAL SYSTEM. LOCATION OF ALL PIPING TO BE COORDINATED WITH OTHER TRADES.
- 6. PRIOR TO PIPING INSTALLATION: PLUMBING CONTRACTOR TO COORDINATE PIPING LAYOUT WITH ALL OTHER TRADES.
- 7. ACCESS: COORDINATE ALL ACCESS LOCATIONS WITH GENERAL CONTRACTOR AND ARCHITECT TO ENSURE ALL REQUIRED ACCESS HATCHES, ACCESS PANELS & ACCESS COVERS ARE PROVIDED.
- PROVIDE & INSTALL WATER TIGHT SEALS FOR ANY PIPING PENETRATING THE EXTERIOR FOUNDATION WALLS OR SLABS.
- 9. ANY DISCREPANCIES SHOULD BE REPORTED TO THE ARCHITECT IMMEDIATELY.
- PROVIDE & INSTALL FIRE PROOFING FOR ALL PIPING PENETRATING FIRE BARRIER WALLS OR FLOOR SLABS.

PLUMBING NOTES

- 1. CONNECTIONS: PROVIDE PLUMBING FIXTURE CONNECTIONS TO BUILDING WASTE, VENT, COLD WATER, AND HOT WATER SYSTEM IN ACCORDANCE WITH DRAWINGS, MANUFACTURER'S RECOMMENDATIONS, AND LOCAL CODES. CONNECT TO EACH FIXTURE, EQUIPMENT, ETC. WITH ALL ACCESSORIES, VALVES, VACUUM BREAKERS, REGULATORS, UNIONS, ETC. AS REQUIRED AND AS RECOMMENDED BY THE MANUFACTURERS. REFER TO PLUMBING FIXTURE CONNECTION SCHEDULE ON PLANS.
- 2. HOT AND COLD: WATER PIPING CONNECTION TO EACH FIXTURE SHALL BE COLD WATER ON THE RIGHT HAND SIDE AND HOT WATER ON THE LEFT HAND SIDE
- 3. HOT WATER: NON-CIRCULATING HOT WATER PIPE SHALL NOT EXCEED WSEC REQUIREMENTS.
- 4. CLEANOUTS: PROVIDE CLEANOUTS PER CURRENT UPC AND AS REQUIRED BY LOCAL JURISDICTIONS. CLEANOUTS SHALL BE LOCATED IN WALLS/FLOORS WHERE THEY ARE NOT HIGHLY VISIBLE. FLOOR CLEANOUTS IN CARPETED AREAS TO BE FITTED WITH CARPET INSERTS. LOCATIONS SHALL BE SUBMITTED TO ARCHITECT FOR APPROVAL. NOTE: NOT ALL CLEANOUTS ARE SHOWN ON THE PLUMBING DRAWINGS.
- SUDS RELIEF: PROVIDE SUDS RELIEF IN ACCORDANCE WITH CURRENT UPC STATE AND LOCAL CODES.
- 6. SHUT-OFFS: PROVIDE 1/4 TURN BALL VALVE ANGLE STOP SHUT-OFF VALVES AND BRAIDED STAINLESS STEEL FLEX CONNECTORS AT HOT AND COLD WATER SUPPLY TO EACH FIXTURE. EXCEPTION: PROVIDE SCREWDRIVER STOPS AT BATH/SHOWERS.
- 7. ADA INSULATION: AT PLUMBING PIPING EXPOSED UNDER LAVATORIES, INSULATE THE EXPOSED PIPING AND TRAPS WITH PRODUCT SPECIFICALLY DESIGNED FOR THIS APPLICATION MEETING ADA REQUIREMENTS. PROVIDE HANDI-LAV GUARD OR EQUIVALENT. OFFSET P-TRAPS TO CLEAR WHEELCHAIR ACCESS.
- 8. WATER HAMMER ARRESTORS: PROVIDE AT THE END OF HOT AND COLD WATER LINES SERVING TWO OR MORE FIXTURES; SIZE IN ACCORDANCE WITH PLUMBING AND DRAINAGE INSTITUTE (PDI) REQUIREMENTS. WATER HAMMER ARRESTORS ARE REQUIRED FOR QUICK CLOSING VALVES, SUCH AS LAUNDRY WASHERS, FLUSH VALVES (PUBLIC TOILETS), ETC.
- 9. TRAP PRIMERS: PROVIDE TRAP PRIMERS AND PIPING FOR FLOOR DRAINS, FLOOR SINKS, AREA DRAINS & HUB DRAINS. ARRANGE PIPING TO ACHIEVE EQUAL FLOW TO EACH DRAIN AND FLOOR SINK FOR TRAP PRIMERS SERVING MULTIPLE DRAINS AND FLOOR SINKS. COORDINATE EXACT LOCATIONS WITH ARCHITECT & ELECTRICAL ENGINEER.
- 10. P-TRAPS: ALL EXPOSED P-TRAPS SHALL BE CHROME-PLATED BRASS.
 P-TRAPS SERVING HANDICAPPED COUNTER TOP LAVATORIES SHALL BE INSULATED.
- 11. DISASSEMBLY PROVISIONS: PROVIDE UNIONS OR FLANGES AT PIPING CONNECTIONS TO EQUIPMENT, COILS, TRAPS, CONTROL VALVES, AND OTHER COMPONENTS TO ALLOW DISASSEMBLY FOR MAINTENANCE.
- TRAP, COIL, AND CONTROL VALVE CONNECTION SIZES.

12. REDUCERS: PROVIDE AS REQUIRED FROM LINE PIPE SIZE TO EQUIPMENT,

- 13. VALVE TAGS: PROVIDE VALVE TAGS PER SPECIFICATIONS TO IDENTIFY VALVE AND THE AREA IT SERVES.
- 14. OFFSETS: PROVIDE FOR BRANCH LINES TO EQUIPMENT.
- 5. PROVIDE AND INSTALL PIPE MARKER WITH DIRECTION OF FLOW. LABEL "NON-POTABLE WATER DO NOT DRINK" CLEARLY ON NON-POTABLE WATER PIPING.
- 16. PROVIDE EXPANSION LOOPS/EXPANSION JOINTS IN PIPING PER LOCAL
- 17. PROVIDE & INSTALL APPROVED PIPE HANGERS & PIPE SUPPORTS IN ACCORDANCE WITH LATEST APPLICABLE STATE & LOCAL CODES. SUBMIT FOR APPROVAL.
- 18. DIELECTRIC UNIONS: PROVIDE AT CONNECTIONS OF DISSIMILAR PIPE.
- 19. REFRIGERANT PIPING: PROVIDE SIZING & INSTALLATION IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- 20. CONDENSATE DRAIN: PROVIDE A P-TRAP FOR EACH HVAC UNIT CONDENSATE PAN WITH PLUG TEES FOR CLEANING. CONDENSATE DRAINS SHALL BE DISCHARGED TO AN INDIRECT WASTE OR OUTSIDE.
- 21. PIPING & EQUIPMENT SUPPORTS/HANGERS & SEISMIC RESTRAINTS TO BE DESIGNED BY DESIGN BUILT CONTRACTOR.
- 22. ALL PIPING AND DUCTWORK SHALL BE INSULATED CONSISTENT WITH THE 2018 WASHINGTON STATE ENERGY CODE.
- 23. BUILDING DRAIN AND VENT PIPING MATERIALS SHALL COMPLY WITH 2018 UPC 701.0 AND 903.0.
- 24. ALL STORAGE WATER HEATING EQUIPMENT SHALL BE PROVIDED WITH AN APPROVED, LISTED EXPANSION TANK OR OTHER DEVICE DESIGNED FOR INTERMITTENT OPERATION FOR THERMAL EXPANSION CONTROL PER 2018 UPC 608.3.
- 25. WATER HEATERS SHALL BE ANCHORED OR STRAPPED TO RESIST HORIZONTAL DISPLACEMENTS DUE TO SEISMIC MOTION PER 2018 UPC 507.2
- 26. MATERIAL EXPOSED WITHIN A DUCT OR PLENUM SHALL COMPLY WITH 2018 IMC 2018 601.1.3.
- 27. HVAC EQUIPMENT AND WATER HEATERS SHALL COMPLY WITH 2018 IMC CHAPTER 3.
- 28. BOILERS SHALL COMPLY WITH ALL THE REQUIREMENTS OF 2018 IMC CHAPTER 10.
- 29. SHOWERS AND TUB/SHOWER COMBINATIONS SHALL BE PROVIDED WITH MIXING VALVES PER 2018 UPC 408.0.
- 30. CONTRACTOR SHALL PROVIDE FIRESTOPPING AT PENETRATIONS AS NECESSARY TO RETAIN THE FIRE RATING OF ALL ASSEMBLIES. ALL WORK SHALL BE IN COMPLIANCE WITH CODE REQUIREMENTS FOR THE BUILDING CONSTRUCTION TYPE.

MEDICAL GAS NOTES

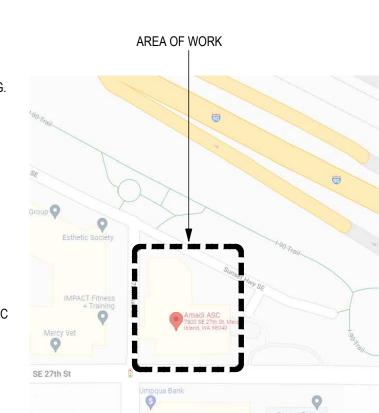
- MEDICAL GAS SYSTEM SPECIFICATIONS:
 1.1. OXYGEN (O2): SYSTEM OPERATING PRESSURE SHALL BE 50-55 PSIG. PIPING SHALL BE BRAZED TYPE-L COPPER. PIPING SHALL BE
- LABELED "OXYGEN" IN WHITE TEXT ON GREEN BACKGROUND.

 1.2. MEDICAL COMPRESSED AIR (MA): SYSTEM OPERATING PRESSURE SHALL BE 50-55 PSIG. PIPING SHALL BE BRAZED TYPE-L COPPER. PIPING SHALL BE LABELED "MEDICAL AIR" IN BLACK TEXT ON YELLOW BACKGROUND.
- 1.3. MEDICAL VACUUM (MV): SYSTEM OPERATING PRESSURE SHALL BE 15-20"HG. PIPING SHALL BE BRAZED TYPE-L COPPER. PIPING SHALL BE LABELED "MEDICAL VACUUM" IN BLACK TEXT ON WHITE BACKGROUND.
- 2. CERTIFICATION TEST: PRIOR TO PLACING MEDICAL GAS AND VACUUM SYSTEMS INTO SERVICE, ALL SYSTEMS SHALL BE CERTIFIED IN ACCORDANCE WITH UPC 1319.2. A REPORT THAT INCLUDES THE SPECIFIC ITEMS ADDRESSED IN SECTION 1319.2, AND OTHER INFORMATION REQUIRED BY UPC CHAPTER 13, SHALL BE DELIVERED TO THE AUTHORITY HAVING JURISDICTION PRIOR TO ACCEPTANCE OF THE SYSTEM. CERTIFICATION TESTS, VERIFIED AND ATTESTED TO BY THE CERTIFICATION AGENCY, SHALL INCLUDE THE FOLLOWING:
- 2.1. VERIFYING IN ACCORDANCE WITH THE INSTALLATION REQUIREMENTS.

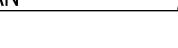
 2.2. TESTING CHECKING FOR LEAKAGE CORRECT ZONING
- 2.2. TESTING, CHECKING FOR LEAKAGE, CORRECT ZONING, AND IDENTIFICATION OF CONTROL VALVES.
 2.3. CHECKING FOR IDENTIFICATION AND LABELING OF PIPELINES.
- STATION OUTLETS, AND CONTROL VALVES.

 2.4. TESTING FOR CROSS-CONNECTION, FLOW RATE, SYSTEM PRESSURE DROP, AND SYSTEM PERFORMANCE.
- 5. FUNCTIONAL TESTING OF PRESSURE RELIEF VALVES AND SAFETY VALVES.
- 2.6. FUNCTIONAL TESTING OF SOURCES OF SUPPLY.2.7. FUNCTIONAL TESTING OF ALARM SYSTEMS, INCLUDING ACCURACY
- OF SYSTEM COMPONENTS.

 2.8. PURGE FLUSHING OF SYSTEM AND FILLING WITH SPECIFIC SOURCE
- 2.9. TESTING FOR PURITY AND CLEANLINESS OF SOURCE GASES.
 2.10. TESTING FOR SPECIFIC GAS IDENTITY AT EACH STATION OUTLET.
- 2.11. A REPORT THAT INCLUDES THE SPECIFIC ITEMS ADDRESSED IN SECTION 1319.2, AND OTHER INFORMATION REQUIRED BY UPC CHAPTER 13, SHALL BE DELIVERED TO THE AUTHORITY HAVING JURISDICTION PRIOR TO ACCEPTANCE OF THE SYSTEM.
- 3. THIRD PARTY TESTING:THIRD PARTY TESTING AGENCY MUST BE ASSE-6030 MEDICAL GAS SYSTEM VERIFIER CERTIFIED.
- INSTALLER QUALIFICATIONS: QUALIFICATION OF INSTALLERS MUST BE KEPT ON-SITE AND PRODUCED AT THE REQUEST OF INSPECTOR. THIS INCLUDES VALID BRAZING CERTIFICATION AND THIRD PARTY TESTING AGENCY.



VICINITY PLAN



MERCER ISLAND, WA 98040
ASSESSORS PARCEL NUMBER

PROPERTY ADDRESS

7800 SE 27TH ST

769844-0000

LEGAL DESCRIPTION

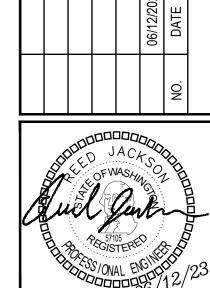
ASSOCIATED BUILDING PERMITS

APPLICABLE CODES

2018 INTERNATIONAL BUILDING CODE (IBC)
2018 INTERNATIONAL MECHANICAL CODE (IMC)
2018 UNIFORM PLUMBING CODE (UPC)
2020 NATIONAL ELECTRIC CODE (NEC)
2018 WASHINGTON STATE ENERGY CODE (WSEC)

SCOPE OF WORK
PLUMBING AND MEDICAL GAS PIPING FOR A CATEGORY 1
AMBULATORY SURGERY FACILITY, INCLUDING PLUMBING FOR
NEW EXAM SINKS, RESTROOMS, AND MISCELLANEOUS
FIXTURES, AND MEDICAL GAS PIPING FOR TWO OPERATORIES.

| | DRAWING INDEX |
|-------|------------------------------|
| DWG | DESCRIPTION |
| P000 | GENERAL NOTES, DRAWING INDEX |
| P001 | SCHEDULES |
| P20G1 | LEVEL G1 PLAN |
| P201 | LEVEL 1 PLAN |
| P202 | LEVEL 2 PLAN |
| P203 | LEVEL 3 PLAN |
| P204 | LEVEL 4 PLAN |
| P205 | LEVEL 5 PLAN |
| P206 | ROOF PLAN |
| P300 | ENLARGED COURTYARD PLAN |
| P400 | LEVEL G1 SUPPLY PLAN |
| P401 | LEVEL 1 SUPPLY PLAN |
| P402 | SUPPLY PIPING DIAGRAM |
| P500 | LEVEL G1 DWV PLAN |
| P501 | LEVEL 1 DWV PLAN |
| P502 | DWV PIPING DIAGRAM |
| P600 | LEVEL G1 MEDGAS PLAN |
| P601 | LEVEL 1 MEDGAS PLAN |
| P602 | MEDGAS PIPING DIAGRAMS |
| | |





40TH AVE W. SUITE 302 MOOD, WA 98036 E:(206)364-3343

AMADI AES ASF 7800 SE 27th ST, MERC

DATE: 06/12/2023

SHEET TITLE: GENERAL NOTES, DRAWING INDEX

| 2018 WASHINGTON STATE PIPE INSULATION SCHEDULE | | | | | | | | |
|---|----------------------------------|---|----------------------------|-----------------------------|--|--|--|--|
| SERVICE | MATERIAL | THICKNESS | VAPOR RETARDER REQUIRED | NOTES (1)(2)(3) | | | | |
| DOMESTIC HOT WATER AND RECIRCULATED HOT WATER (NONRESIDETIAL) | MINERAL-FI BER WITH JACKET | ¹ / ₂ "-1 ¹ / ₄ " PIPE: 1" 1 ¹ / ₂ " PIPE: 1 ¹ / ₂ " 2"+ PIPE: 2" | NO | | | | | |
| EXPOSED SANITARY DRAINS AND DOMESTIC WATER SUPPLIES AND STOPS FOR ADA FIXTURES. | TRUEBRO LAV-GUARD | N/A | NO | P-TRAP AND SUPPLY COVERS | | | | |

- NOTES: (1) FOR APPLICABLE CODES REFER TO PLUMBING COVER SHEET.
 - (2) PIPING INSULATION EXPOSED TO WEATHER SHALL BE PROTECTED FROM DAMAGE. CONTRACTOR SHALL PROVIDE SHIELDING FROM SOLAR RADIATION THAT CAN CAUSE DEGRADATION OF THE MATERIAL. ADHESIVE TAPE SHALL NOT BE PERMITTED.
 - (3) PER 2018 UPC, SECTION 312.6 NO WATER, SOIL OR WASTE PIPE SHALL BE INSTALLED OR PERMITTED OUTSIDE OF THE BUILDING, IN ATTIC OR IN AN EXTERIOR WALL UNLESS ADEQUATE PROVISION IS MADE TO PROTECT SUCH PIPE FROM FREEZING. ALL HOT AND COLD WATER PIPES OUTSIDE THE CONDITIONED SPACE SHALL BE INSULATED TO

| PIPE MATERIALS SCHEDULE | | | | | |
|---------------------------|---------------|----------------|--------------|--|--|
| PIPE TYPE | MATERIAL | JOINT | NOTES (1) | | |
| WATER DISTRIBUTION PIPING | COPPER TYPE L | SOLDERED | | | |
| WASTE AND VENT PIPING | PVC OR ABS | SOLVENT CEMENT | | | |
| CONDENSATE DRAINAGE | COPPER TYPE M | SOLDERED | | | |
| OXYGEN | COPPER TYPE L | BRAZED | (2) | | |
| MEDICAL AIR | COPPER TYPE L | BRAZED | (2) | | |
| MEDICAL VACUUM | COPPER TYPE L | BRAZED | (2) | | |
| VACUUM EXHAUST VENT | COPPER TYPE L | BRAZED | (2) | | |
| GENERATOR EXHAUST | SCH. 40 STEEL | WELDED | | | |
| GENERATOR FUEL TANK VENTS | SCH. 40 STEEL | THREADED | | | |

- NOTES: (1) ALL SANITARY SYSTEM MATERIALS SHALL BE LISTED BY AN APPROVED LISTING AGENCY.
 - (2) SEE P000 FOR ADDITIONAL REQUIREMENTS.

| | | FIX | TURE UNIT CA | LCULATIONS | | | | | |
|---------------------------------------|-------|-------------|---------------|--------------|--------------|---------|-----------|------------|-----|
| | | CALCULATION | IS BASED ON U | JPC APPENDIX | (A & CH. 7. | | | | |
| FIXTURE | | FIXTUR | E UNITS | | QTY | | TOTAL FIX | TURE UNITS | |
| FIXTURE | TOTAL | CW | HW | W/V | QII | SERVICE | CW | HW | W/V |
| WATER CLOSET - FLUSH TANK, PUBLIC USE | 2.5 | 2.5 | 0 | 4 | 2 | 5 | 5 | 0 | 8 |
| LAVATORY | 1 | 0.75 | 0.75 | 1 | 2 | 2 | 1.5 | 1.5 | 2 |
| SHOWER | 2 | 1.5 | 1.5 | 2 | 1 | 2 | 1.5 | 1.5 | 2 |
| EXAM/TREATMENT ROOM SINK | 2 | 1.5 | 1.5 | 2 | 5 | 10 | 7.5 | 7.5 | 10 |
| WORKROOM SINK | 2 | 1.5 | 1.5 | 2 | 2 | 4 | 3 | 3 | 4 |
| SCRUB SINK | 2 | 1.5 | 1.5 | 2 | 1 | 2 | 1.5 | 1.5 | 2 |
| MOP SINK | 4 | 3 | 3 | 3 | 1 | 4 | 3 | 3 | 3 |
| BREAKROOM SINK WITH DISHWASHER | 3 | 1.5 | 3 | 2 | 1 | 3 | 1.5 | 3 | 2 |
| NURSE STATION SINK | 2 | 1.5 | 1.5 | 2 | 1 | 2 | 1.5 | 1.5 | 2 |
| ICEMAKER BOX | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 |
| ICEMAKER BOX, WITH DRAIN | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 |
| WASHER BOX | 4 | 3 | 3 | 3 | 1 | 4 | 3 | 3 | 3 |
| FLOOR DRAIN | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| FUNNEL FLOOR DRAIN | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| | | | • | • | TOTAL: | 40 | 31 | 25.5 | 39 |

| SUPPLY PRESSURE CALCULATIONS | |
|---|-------|
| STATIC STREET PRESSURE, PSI | 70 |
| WATER METER LOSS, PSI | 5 |
| BACKFLOW PREVENTER LOSS, PSI | 12 |
| STATIC HEAD, PSI | 5 |
| EST. PIPING SYSTEM LENGTH, FEET | 200 |
| FITTING ALLOWANCE, FEET | 75 |
| ZONE FRICTION LOSS FACTOR, PSI/100' | 5.0 |
| TOTAL ZONE FRICTION LOSS, PSI | 13.75 |
| MINIMUM PRESSURE AT FURTHEST FIXTURE, PSI | 34.25 |

| WATER SUPPLY SIZING - COPPER TYPE L | | | | | | | | |
|-------------------------------------|--|---------------------|---------------|-------|--|--|--|--|
| | | MAX VELOCITY, FT/S: | 8 COLD, 5 HOT | 2 HWC | | | | |
| | MAX PRESSURE DROP, PSI/100': 5 COLD & HOT <2.5 HWC | | | | | | | |
| DIDE CIZE | | WSFU | | GPM | | | | |
| PIPE SIZE | CW - FLUSH TANK | CW - FLUSH VALVE | HW | HWC | | | | |
| 1/2" | 2.5 | 0 | 2.5 | 1.0 | | | | |
| 3/4" | 7.5 | 0 | 7.5 | 3.0 | | | | |
| 1" | 18 | 0 | 17.5 | 5.0 | | | | |
| 1 1/4" | 37 | 3.5 | 29 | 7.5 | | | | |
| 1 1/2" | 75 | 21 | 46 | 11 | | | | |
| 2" | 260 | 129 | 116 | 19 | | | | |
| 2 1/2" | 469 | 344 | 246 | 29 | | | | |
| 3" | 749 | 683 | 405 | 42 | | | | |
| 4" | 1782 | 1722 | 872 | 75 | | | | |

| | | SER | VICE SIZE (I | LOAD) | | | | | | NOTEC |
|-----------|----------------|----------------|--------------|------------|------------|-----------|---|---------------------------------------|---|---|
| PLAN MARK | CW (WSFU) | HW (WSFU) | W (DFU) | V (DFU) | G (MBH) | FLOW RATE | FIXTURE TYPE | FINISH | BASIS OF DESIGN | NOTES (1)(2)(3)(4)(5)(6) |
| | • | • | • | • | • | • | PLU | MBING EQUIPMENT | | |
| WH-1 | 1 1/4" | 1 1/4" | - | - | - | - | ELECTRIC WATER HEATER | - | AO SMITH DRE-52 | 50 GAL, 18 kW, 680 LB. VOLTAGE PER ELECTRICAL. WALL-MOUNT WITH HOLDRITE EQUIPMENT STAND 60-SWHP-WM. PROVIDE TP-1 TO SERVE ADJACENT FLOOR DRAIN. |
| HWCP-1 | - | 3/4" | - | - | - | 2 GPM | HOT WATER CIRC. PUMP | - | BELL & GOSSETT ECOCIRC 20-18 | 2 GPM AT 15', STAINLESS STEEL, SUITABLE FOR DOMESTIC WATER. 120V/1P, FHP. 20 LBS. |
| ET-1 | - | 3/4" | - | - | - | - | THERMAL EXPANSION TANK | - | AMTROL ST-12 | |
| | | | | | | | PLI | UMBING FIXTURES | | |
| WC-A.1 | 1/2" (2.5) | - | 3" (4) | 2" (4) | - | 1.0 GPF | WATER CLOSET | WHITE | KOHLER HIGHLINE K-3519 | FLUSH TANK, FLOOR MOUNT. PROVIDE K4666 OPEN FRONT SEAT NO LID. |
| WC-A.2 | 1/2" (2.5) | - | 3" (4) | 2" (4) | - | 1.0 GPF | WATER CLOSET - ADA | WHITE | KOHLER HIGHLINE K-3519 | FLUSH TANK, FLOOR MOUNT. PROVIDE K4666 OPEN FRONT SEAT NO LID. |
| SK-B | 1/2" (1.5) | 1/2" (1.5) | 2" (2) | 2" (2) | - | 1.5 GPM | EXAM & TREATMENT SINK, FAUCET | STAINLESS, CHROME | ELKAY DXUH1618, KOHLER K-815T70 | |
| SK-C | 1/2" (1.5) | 1/2" (1.5) | 2" (2) | 2" (2) | - | - | SCRUB SINK | STAINLESS | MAC MEDICAL ES SERIES 25 KNEE | WITH EYEWASH. PROVIDE ASSE-1071 MIXING VALVE. |
| SK-D | 1/2" (1.5) | 1/2" (1.5) | 2" (2) | 2" (2) | - | 1.5 GPM | CLEAN WORK ROOM SINK, FAUCET | STAINLESS, CHROME | ELKAY LRAD151765, KOLER K-815T70 | |
| SK-E | 1/2" (1.5) | 1/2" (1.5) | 2" (2) | 2" (2) | - | 1.5 GPM | SOILED WORK ROOM SINK, FAUCET | STAINLESS, CHROME | ELKAY STLR3322L, KOLER LK406HA08L2 | |
| SK-F | 1/2" (0.75) | 1/2" (0.75) | 2" (1) | 2" (1) | - | 0.5 GPM | PATIENT RESTROOM LAVATORY, FAUCET | WHITE, CHROME | WS BATH ENERGY 85, MOEN ALIGN 8559 | SENSOR FAUCET, PROVIDE BATTERY PACK. PROVIDE ASSE-1070 MIXING VALVE. PROVIDE TP-2 TO SERVE ADJACENT FLOOR DRAI |
| SK-G | 1/2" (0.75) | 1/2" (0.75) | 2" (1) | 2" (1) | - | 1.2 GPM | STAFF RESTROOM LAVATORY, FAUCET | WHITE, CHROME | AMERICAN STANDARD 9024.001EC, MOEN ALIGN 6190 | PROVIDE TP-2 TO SERVE ADJACENT FLOOR DRAIN. |
| SH-G | 1/2" (1.5) | 1/2" (1.5) | 2" (2) | 2" (2) | - | 1.75 GPM | STAFF SHOWER, HANDSHOWER, SHOWER TRIM | WHITE, MATTE BLACK, MATTE BLACK | AQUATIC 136BFSC, KOLER K-99899-G, KOHLER K-T10940 | ADA COMPLIANT. PROVDE ASSE-1016 SHOWER VALVE WITH SCREWDRIVER STOPS. |
| SK-I | 1/2" (1.5) | 1/2" (3) | 2" (2) | 2" (2) | - | 1.8 GPM | BREAKOOM SINK, FAUCET | STAINLESS, CHROME | ELKAY LRAD-252155, DELTA 9192-DST | WITH DISHWASHER AND 3/4HP GARBAGE DISPOSAL. |
| SK-J | 3/4" (3) | 3/4" (3) | 2" (3) | 3" (3) | - | - | MOP SINK, FAUCET | TERAZZO, CHROME | ACORN 24x24, AMERICAN STANDARD 8344.212 | |
| SK-I | 1/2" (1.5) | 1/2" (1.5) | 2" (2) | 2" (2) | - | 1.5 GPM | NURSE STATION SINK, FAUCET | STAINLESS, CHROME | ELKAY LRAD131665, ELKAY LK406HA08L2 | |
| WB-1 | 1/2" (3) | 1/2" (3) | 2" (3) | 2" (3) | - | - | WASHER BOX | WHITE | SIOUX CHIEF | WITH WATER HAMMER ARRESTORS. |
| IB-1 | 1/2" (1) | - | - | - | - | - | ICEMAKER BOX | WHITE | SIOUX CHIEF | WITH WATER HAMMER ARRESTORS. |
| IB-2 | 1/2" (1) | - | 2" (1) | 2" (1) | - | - | ICEMAKER BOX WITH DRAIN | WHITE | SIOUX CHIEF | WITH WATER HAMMER ARRESTORS. |
| FD-1 | - | - | 2" (0) | 2" (0) | - | - | FLOOR DRAIN | NICKLE-BRONZE | WATTS FD-100-B | CAST IRON. PROVIDE TRAP PRIMER. |
| FD-2 | - | - | 2" (0) | 2" (0) | - | - | FUNNEL FLOOR DRAIN | NICKLE-BRONZE | WATTS FD-100-EG | CAST IRON. PROVIDE TRAP PRIMER. |
| TP-1 | 1/2" (0) | - | - | - | - | - | TRAP PRIMER | - | PPP SMP-500-115V | ELECTRONICALLY OPERATED, 120V/1P. |
| TP-2 | 1/2" (0) | - | - | - | - | - | TRAP PRIMER | CHROME | SIOUX CHIEF | LAVATORY TAILPIECE TRAP PRIMER. |

PLUMBING EQUIPMENT SCHEDULE

(4) ALL EXPOSED P-TRAPS SHALL BE CHROME PLATED BRASS.

CYLINDER MANIFOLD

- (5) PROVIDE $\frac{1}{4}$ TURN ANGLE STOPS WITH BRAIDED STAINLESS STEEL FLEX CONNECTORS AT HOT AND COLD WATER SUPPLY TO EACH FIXTURE.
- (6) PROVIDE ASSE-1070 MIXING VALVES SET TO 100°F AND METERING FAUCETS AT ALL PUBLIC-USE LAVATORIES.

MEDICAL AIR

| | MEDICAL GAS EQUIPMENT SCHEDULE | | | | | | | | |
|-----------|---------------------------------|-----------|-----------------------|--|--|--|--|--|--|
| | WIEDIOAL GAS EQUIFWENT SUPEDULE | | | | | | | | |
| PLAN MARK | EQUIP / FIXTURE TYPE | SERVICE | BASIS OF DESIGN | NOTES | | | | | |
| VAC-1 | DUPLEX VACUUM PUMP | PER PLANS | AMICO V-RVD-D-030P | DUPLEX, 1.7HP. OILESS. 8 CFM AT 19"Hg. 585 LBS. 208V/3P/16A. | | | | | |
| MGO-1 | MEDICAL GAS OUTLET | PER PLANS | AMICO | WALL MOUNT. 2xO2, 2xVAC, 1xMA, 1xWAGD. | | | | | |
| MGO-2 | MEDICAL GAS OUTLET | PER PLANS | AMICO | WALL MOUNT. 1xVAC. | | | | | |
| MGO-3 | MEDICAL GAS OUTLET | PER PLANS | AMICO | WALL MOUNT. 2xVAC. | | | | | |
| MGO-4 | MEDICAL GAS OUTLET | PER PLANS | AMICO | WALL MOUNT. 2xO2, 1xVAC, 1xMA, 1xWAGD. | | | | | |
| ZVB-1 | ZONE VALVE BOX | ASF06 | AMICO ZIU-P113 | | | | | | |
| ZVB-2 | ZONE VALVE BOX | ASF07 | AMICO ZIU-P113 | | | | | | |
| ALARM-1 | MEDGAS ALARM PANEL | ALL | AMICO | | | | | | |
| MAN-1 | CYLINDER MANIFOLD | OXYGEN | AMICO M4D-DL-HH-U-OXY | | | | | | |

AMICO M4D-DL-HH-U-AIR

| | HIGHMARK |
|---|---------------------|
| | GENERAL CONTRACTORS |
| Г | |

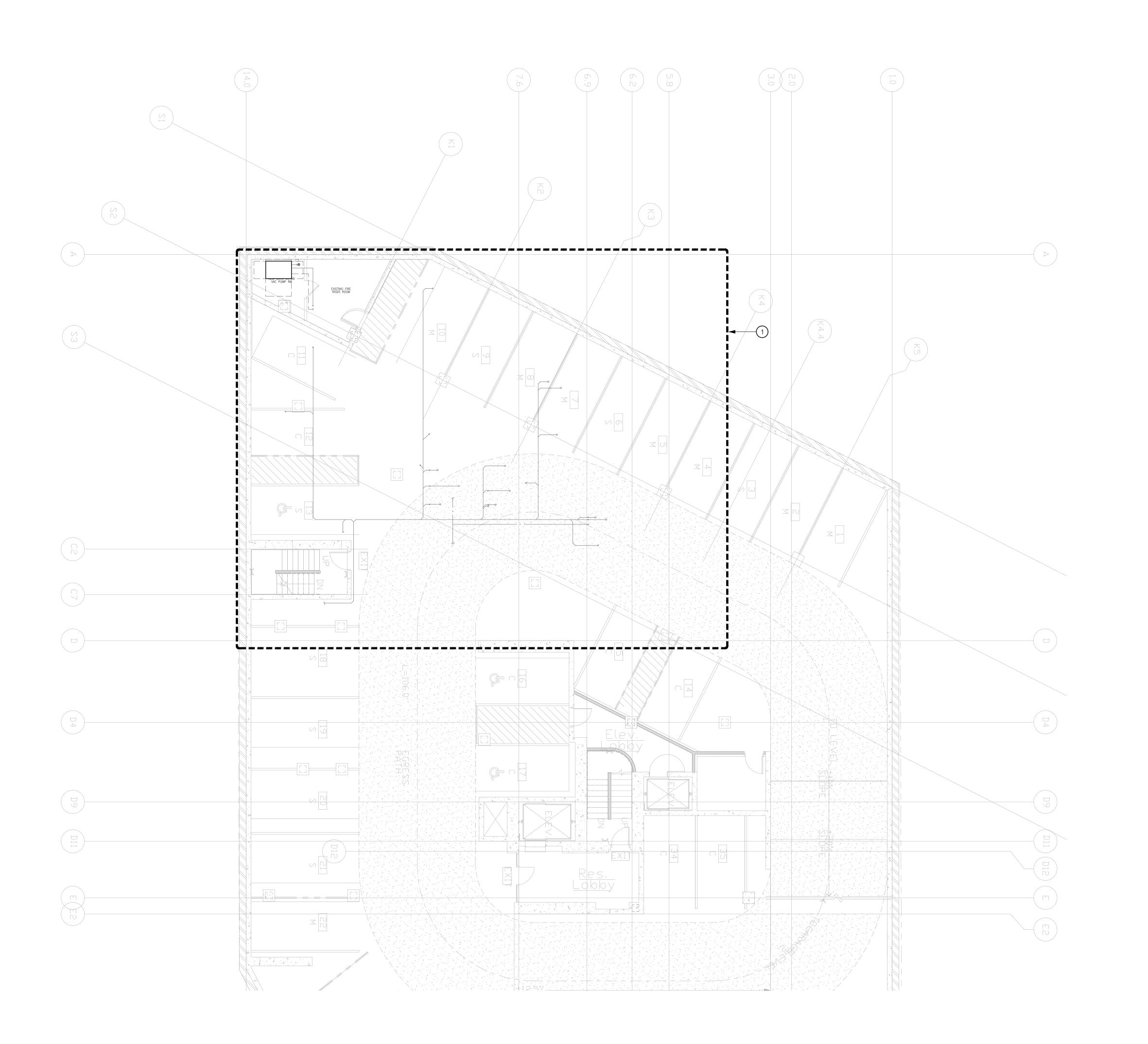
| HIGHMARK | |
|---------------------|---|
| GENERAL CONTRACTORS | S |
| | • |

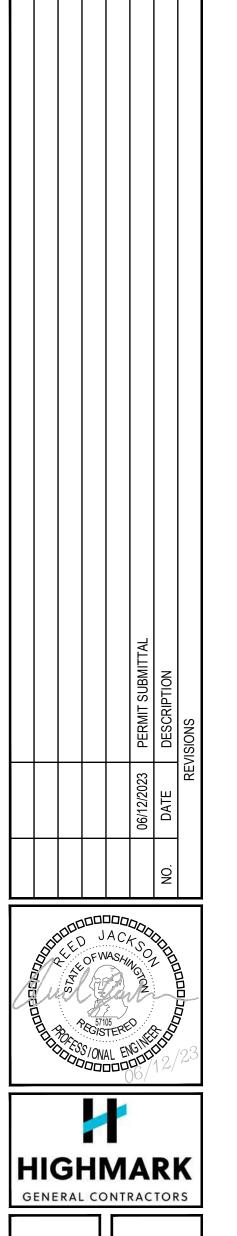
| HIGH | MAR | K |
|------------|---------|-----|
| GENERAL CO | NTRACTO | ORS |
| | | |
| | 302 | Z |

AMADI AESTHETICS ASF

DATE: 06/12/2023

SHEET TITLE: SCHEDULES





DATE: 06/12/2023

SHEET TITLE: LEVEL G1 PLAN

KEY NOTES

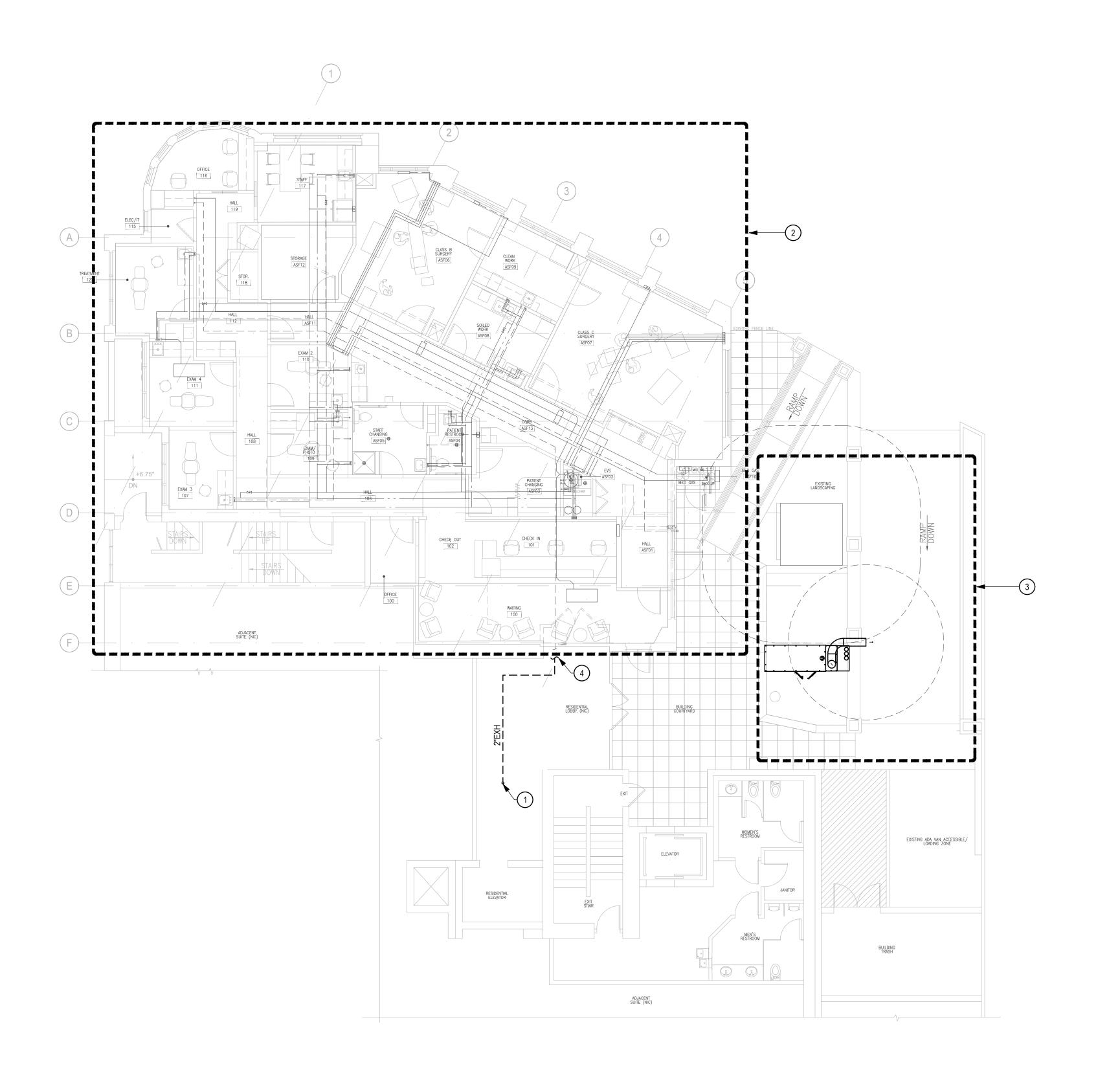
1. AREA OF WORK: SEE P400, P500, P600 FOR ENLARGED LEVEL G1 PLUMBING PLANS.

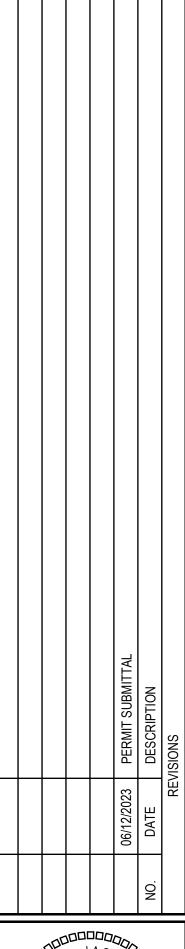
LEVEL G1 PLAN

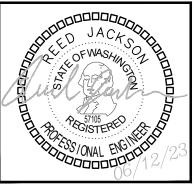
SCALE: 1/8" = 1'-0"

0' 4' 8'

SHEET NO. P20G1





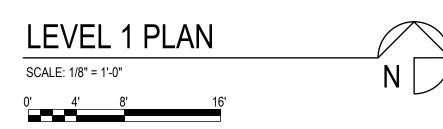




DATE: 06/12/2023

SHEET TITLE: LEVEL 1 PLAN

SHEET NO.



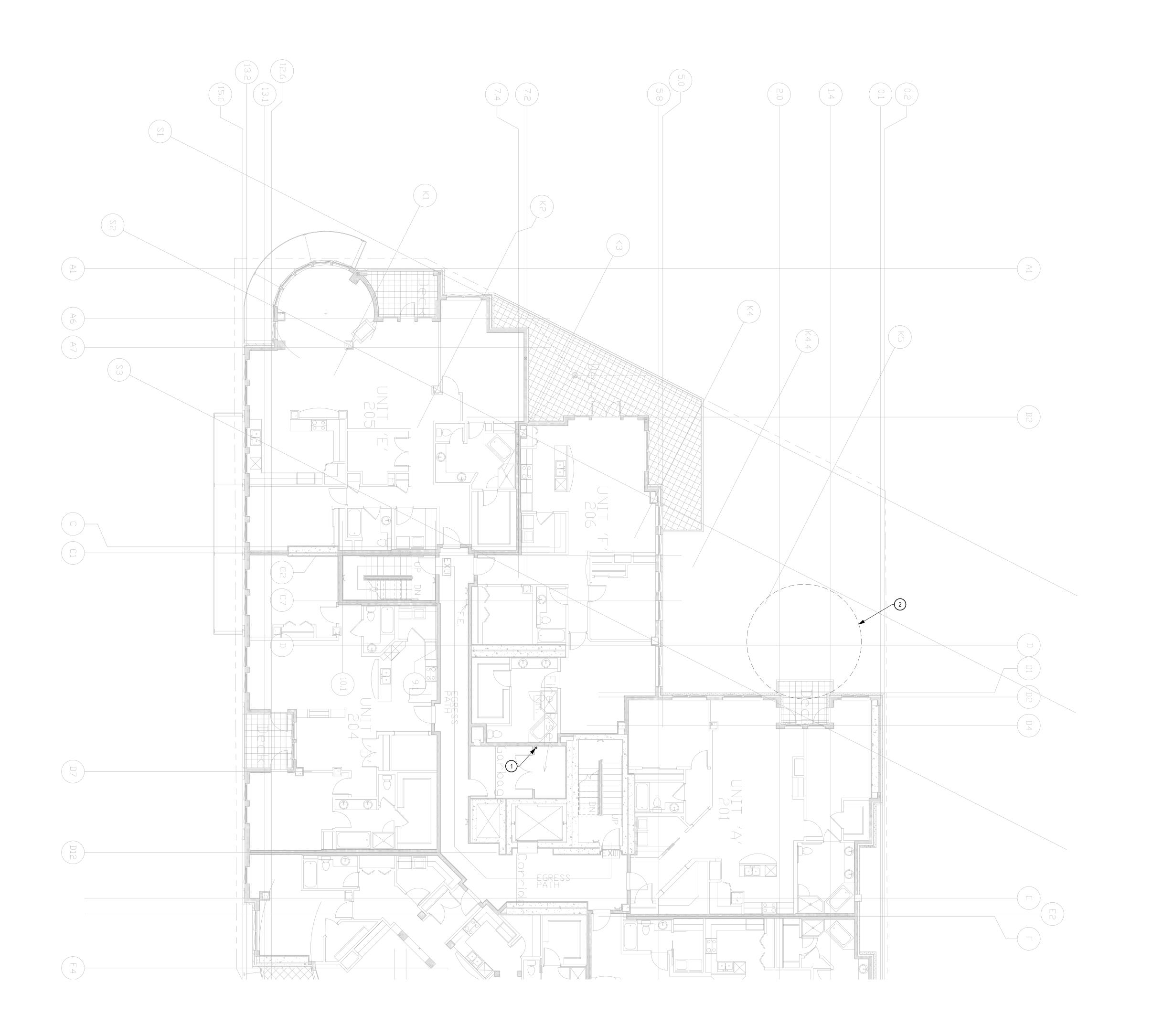
2. AREA OF WORK: SEE P401, P501, P601 FOR ENLARGED L1 PLUMBING PLANS.

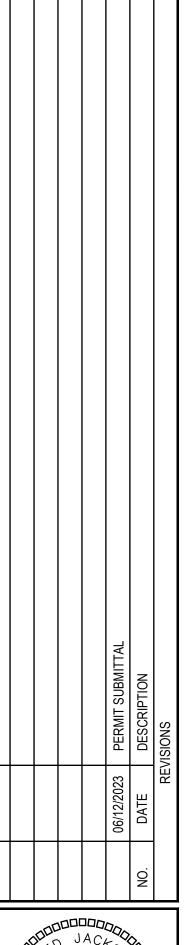
KEY NOTES

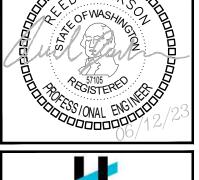
1. 2" VACUUM EXHAUST TO ROOF.

3. SEE P300 FOR ENLARGED COURTYARD PLAN.

4. VACUUM EXHAUST, SEE P601 FOR CONTINUATION.







AMADI AESTHETICS ASF

DATE: 06/12/2023

SHEET TITLE: LEVEL 2 PLAN

KEY NOTES

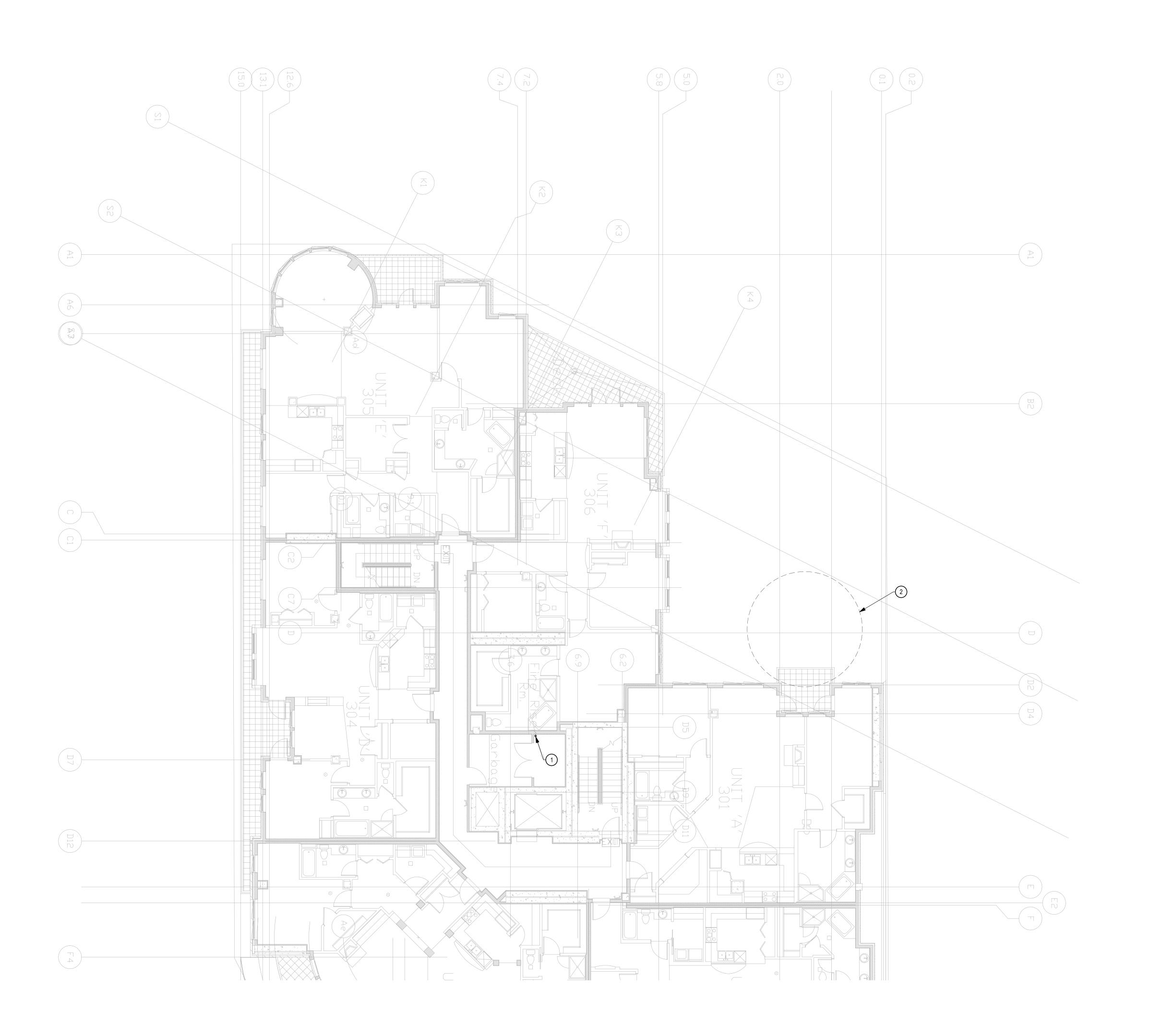
1. 2" VACUUM EXHAUST TO ROOF.

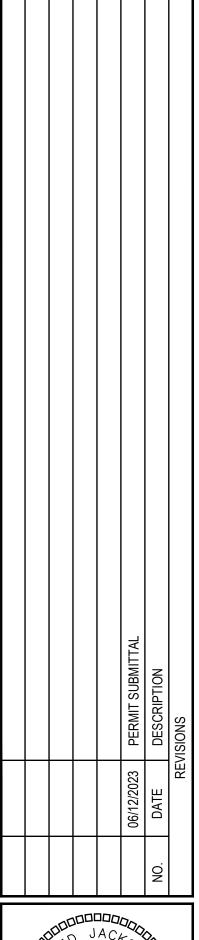
LEVEL 2 PLAN

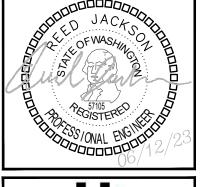
SCALE: 1/8" = 1'-0"

0' 4' 8'

2. GENERATOR EXHAUST CLEARANCE ZONE.







AMADI AESTHETICS ASF

DATE: 06/12/2023

SHEET TITLE: LEVEL 3 PLAN

KEY NOTES

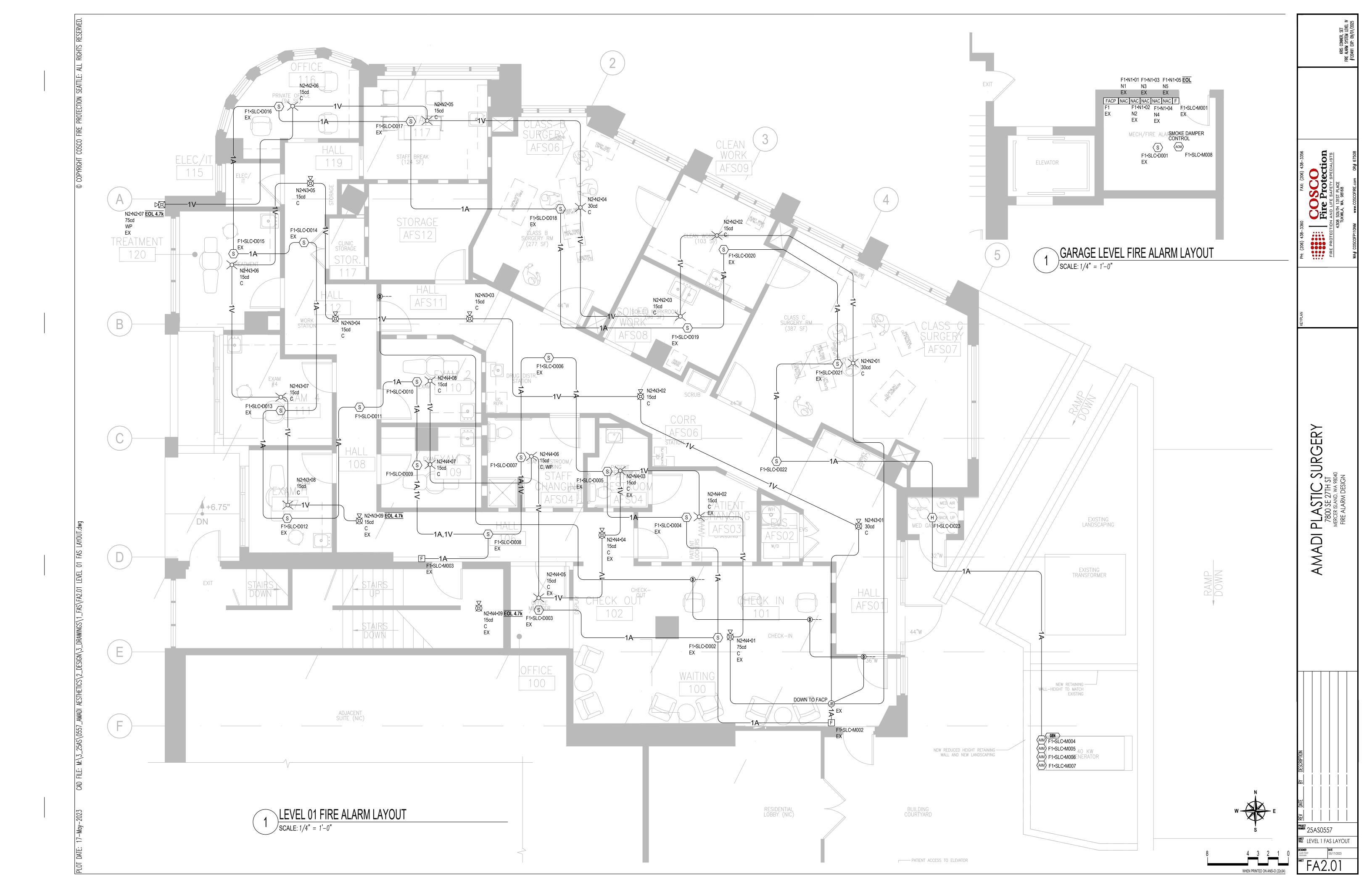
1. 2" VACUUM EXHAUST TO ROOF.

2. GENERATOR EXHAUST CLEARANCE ZONE.

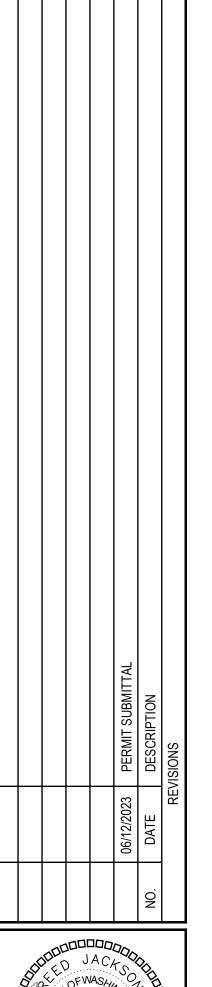
LEVEL 3 PLAN

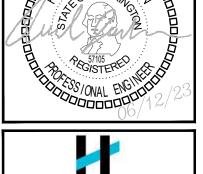
SCALE: 1/8" = 1'-0"

0' 4' 8'









19401 4OTH AVE W. SUITE 302 LYNNWOOD, WA 98036 PHONE:(206)364-3343 CONTACT: REED JACKSON

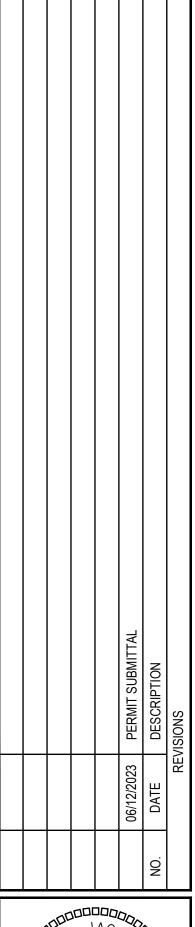
MERCER ISLAND WA
OBISON
LYNNY

PROJECT: AMADI AESTHETICS
ASF
7800 SE 27th ST, MERCER ISLAND WA

DATE: 06/12/2023

SHEET TITLE: LEVEL 4 PLAN







AMADI AESTHETICS ASF

DATE: 06/12/2023

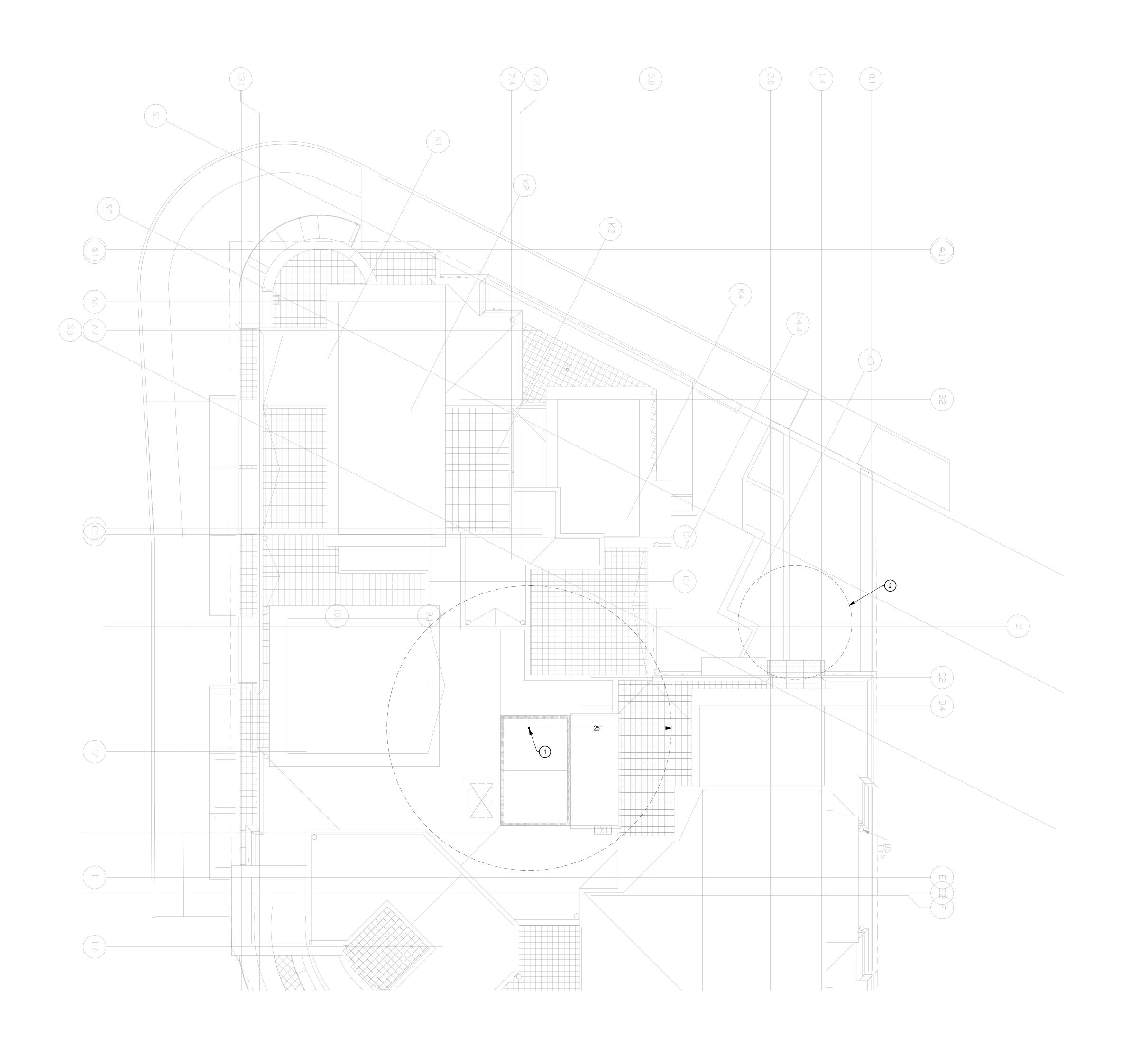
SHEET TITLE: LEVEL 5 PLAN

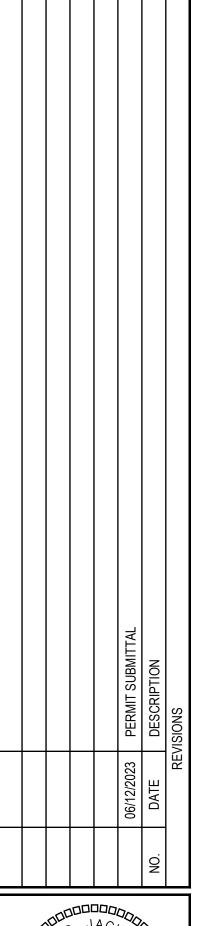
2. GENERATOR EXHAUST CLEARANCE ZONE.

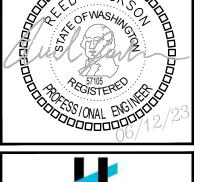
LEVEL 5 PLAN

SCALE: 1/8" = 1'-0"

0' 4' 8'









DATE: 06/12/2023

KEY NOTES

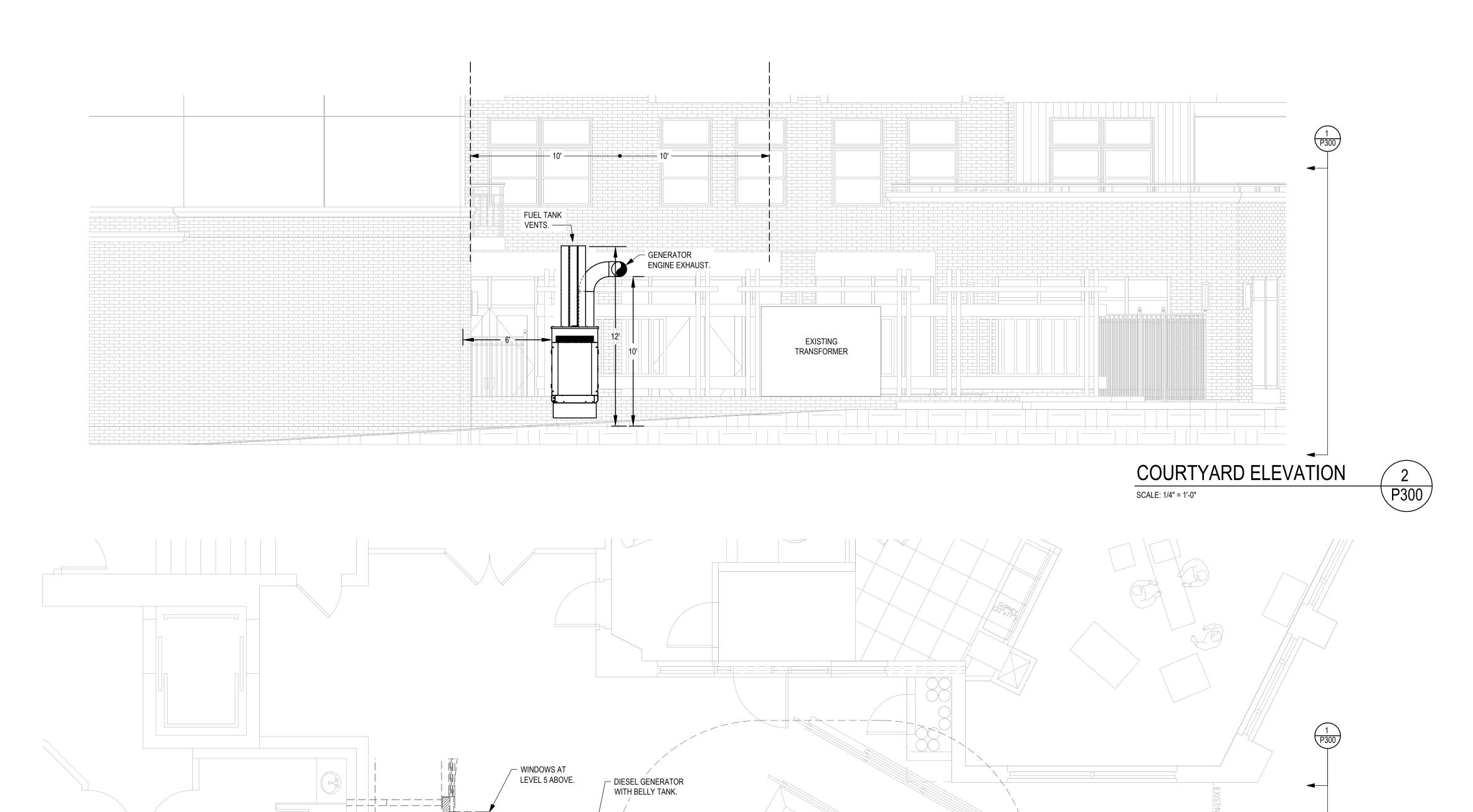
1. 2" VACUUM EXHAUST OUTLET WITH GOOSENECK AND SCREENED OPENING, MIN. 25' FROM BUILDING OPENINGS OR AIR INTAKES.

2. GENERATOR EXHAUST CLEARANCE ZONE.

ROOF PLAN

SCALE: 1/8" = 1'-0"

SHEET TITLE: ROOF PLAN



EXISTING TRANSFORMER

2 M300

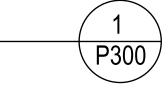
FUEL TANK
VENTS FLAGPOLE
UP 12' AFG.

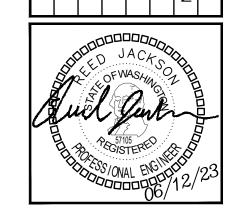
GENERATOR ENGINE
STATE OF THE S

EXISTING
LANDSCAPING,
UNDERGROUND
PARKING BELOW. —









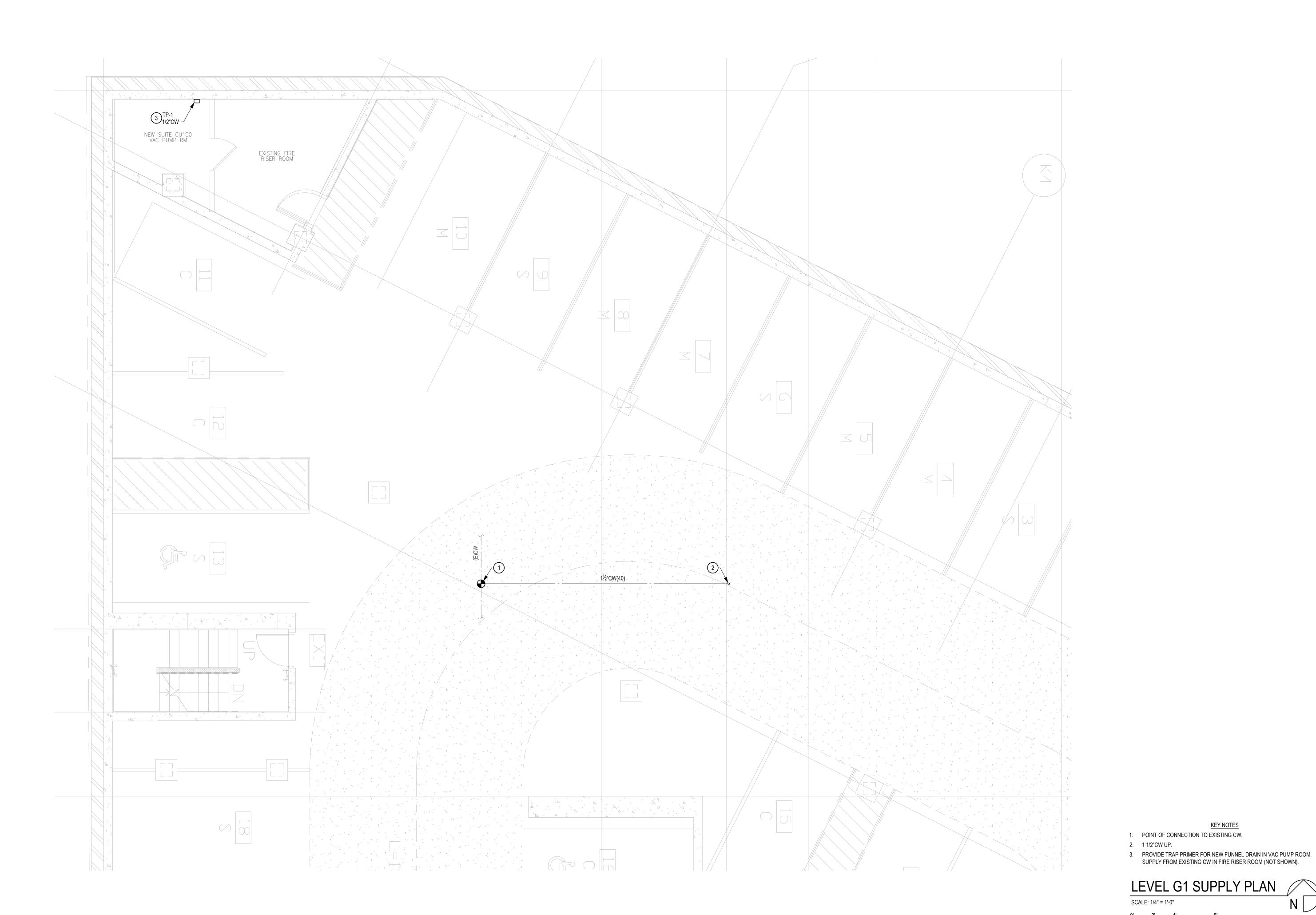


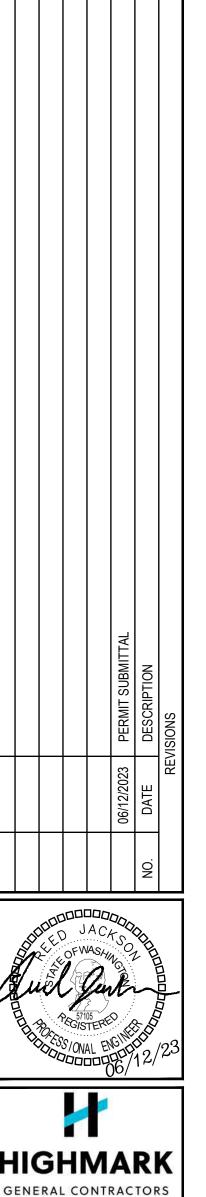
AMADI AESTHETICS ASF

DATE: 06/12/2023

SHEET TITLE: ENLARGED COURTYARD PLAN









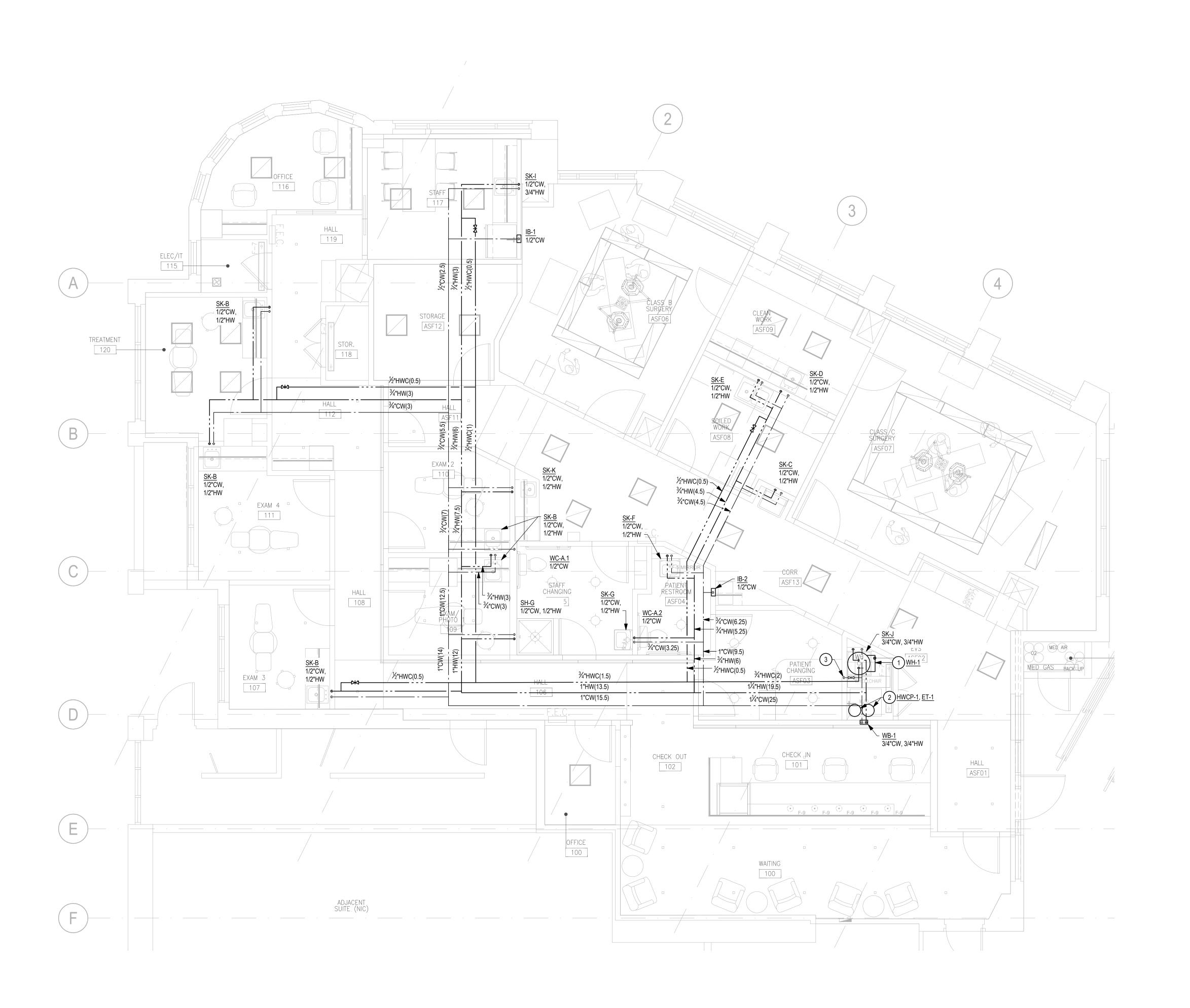
DATE: 06/12/2023

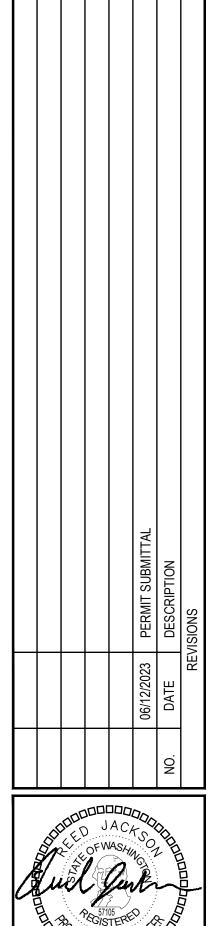
SHEET TITLE: LEVEL G1 SUPPLY PLAN

SHEET NO.

LEVEL G1 SUPPLY PLAN

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







AMADI AESTHETICS ASF

DATE: 06/12/2023

SHEET TITLE: LEVEL 1 SUPPLY PLAN 1. 1 1/4"CW & 1 1/4"HW TO WALL MOUNT WATER HEATER ABOVE MOP SINK.

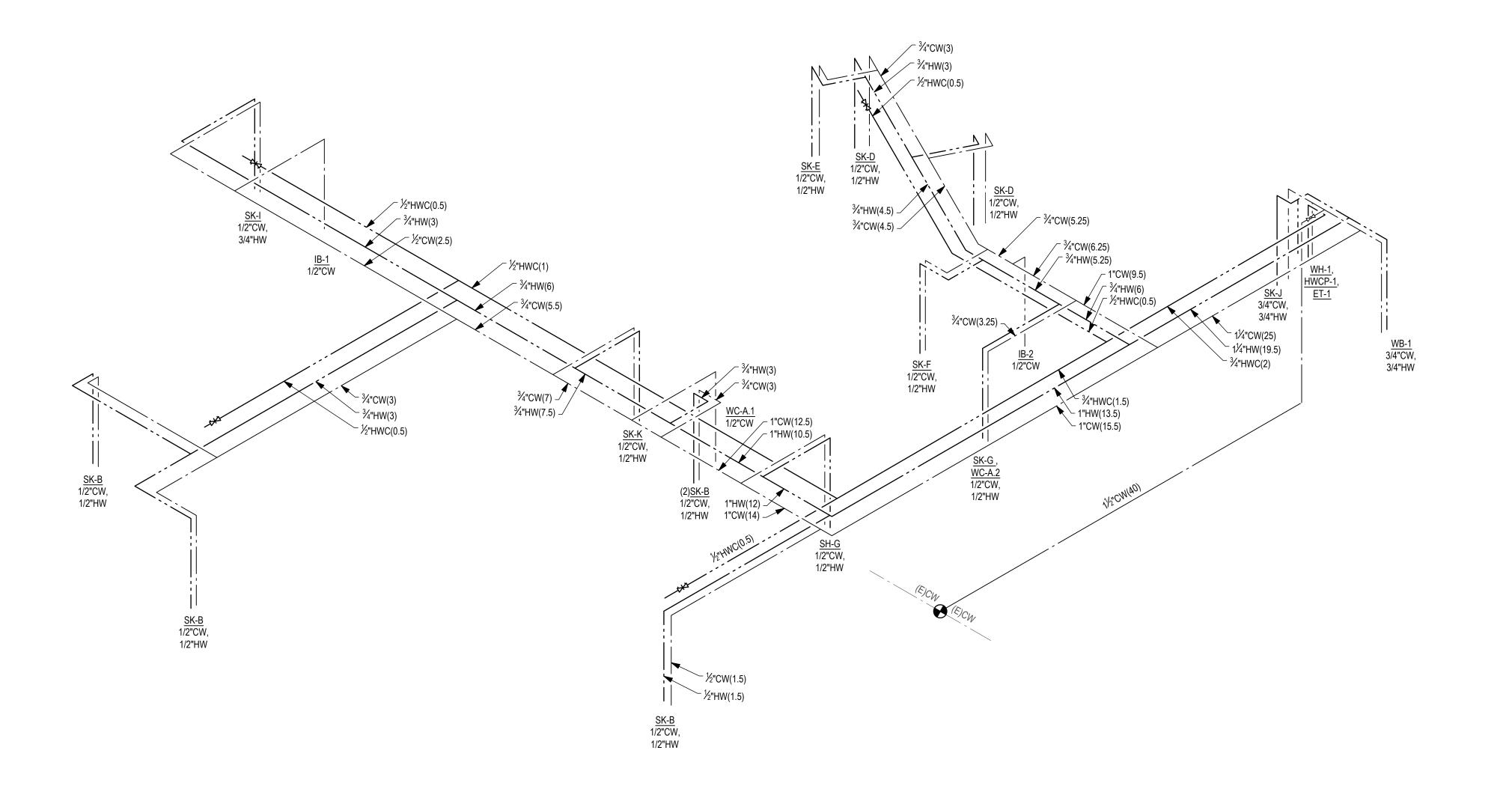
SHEET NO.

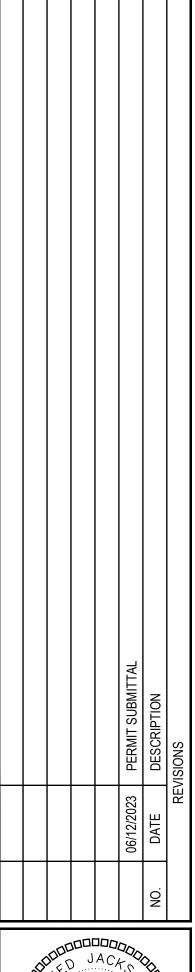
LEVEL 1 SUPPLY PLAN

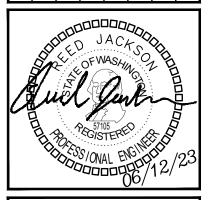
SCALE: 1/4" = 1'-0"

KEY NOTES

2. CIRCULATION PUMP AND EXPANSION TANK ABOVE WASHER/DRYER. 3. 1 1/2" WATER SERVICE FROM LEVEL G1, WITH ISOLATION VALVE.









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ROBISON WA

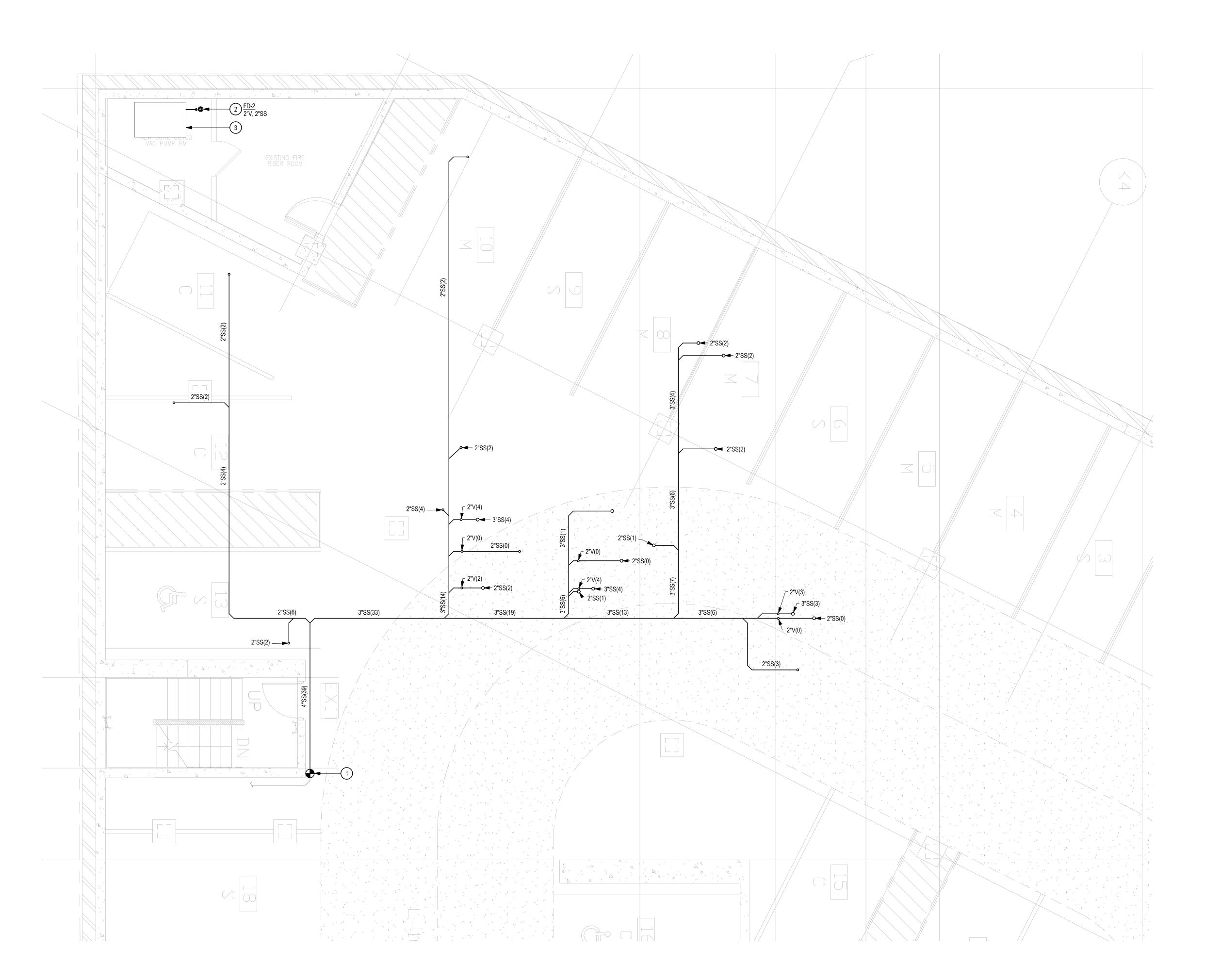
PROJECT: AMADI AESTHETICS
ASF
7800 SE 27th ST, MERCER ISLAND WA

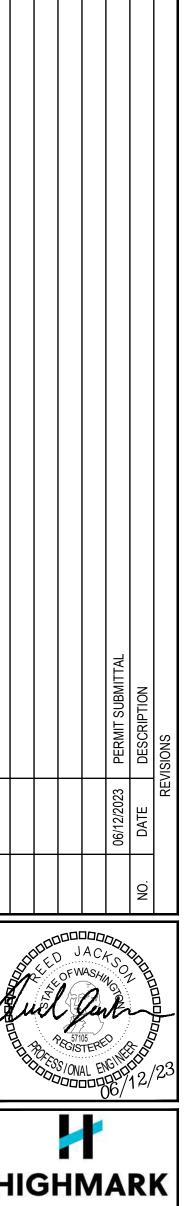
DATE: 06/12/2023

> SHEET TITLE: SUPPLY PIPING DIAGRAM

SUPPLY PIPING DIAGRAM

SHEET NO. **P402**









DATE: 06/12/2023

SHEET TITLE: LEVEL G1 DWV PLAN

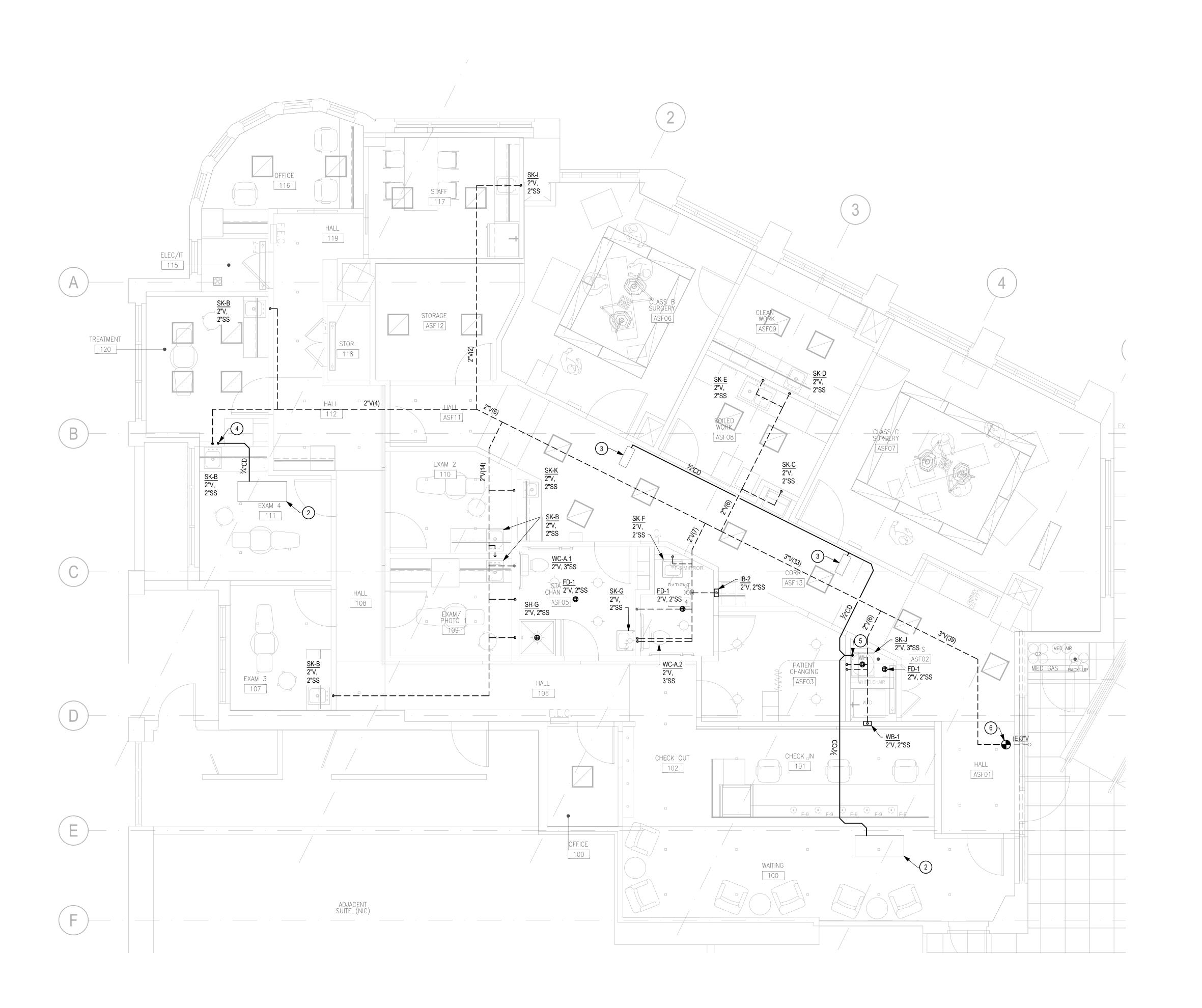
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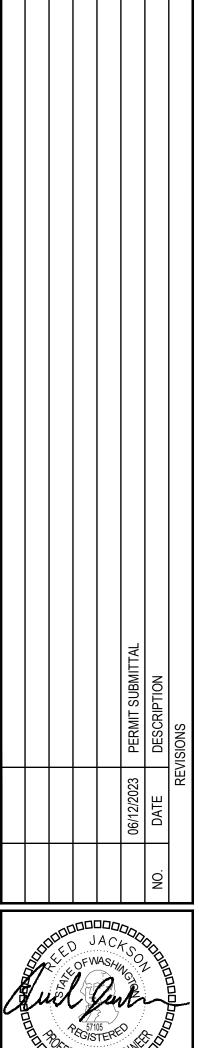
GENERAL NOTES

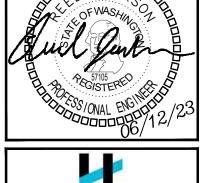
1. PROVIDE CONDENSATE PUMPS AT NEW HEAT PUMP CONDENSERS AND BRANCH CONTROLLERS, AND ROUTE 3/4" CONDENSATE FROM EACH TO FUNNEL FLOOR DRAIN IN VACUUM PUMP ROOM. SEE MECHANICAL FOR EQUIPMENT LOCATIONS.

- 1. POINT OF CONNECTION TO EXISTING 4"SS.
- FUNNEL FLOOR DRAIN FOR VACUUM PUMP. CONNECT TO WASTE & VENT PIPING SERVING FIRE RISER ROOM (NOT SHOWN).
- 3. VACUUM PUMP, REF P600. PROVIDE 1/2" DRAIN TO FD-2.











DATE: 06/12/2023

SHEET TITLE: LEVEL 1 DWV PLAN

SHEET NO.

LEVEL 1 DWV PLAN

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

6. POINT OF CONNECTION TO EXISTING VENT TERMINATION THROUGH WALL.

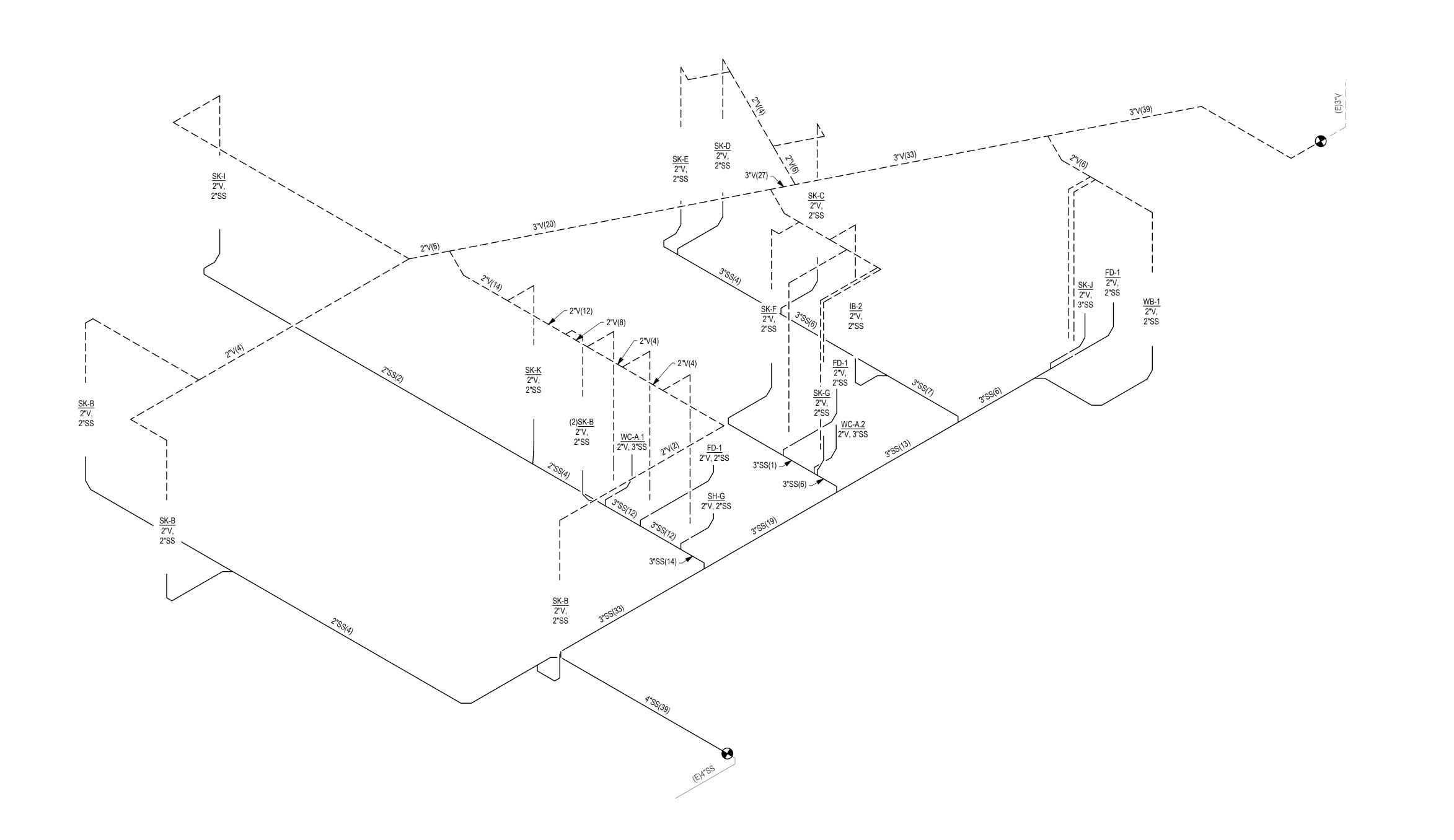
KEY NOTES

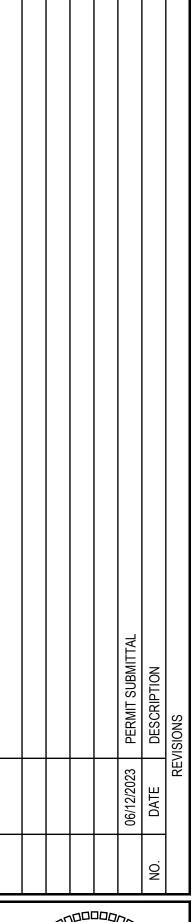
1. TERMINATE VENT THROUGH ROOF OF MEDGAS CLOSET.

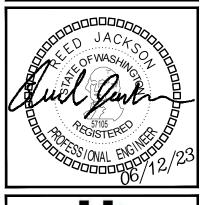
4. TERMINATE CONDENSATE AT SINK TAILPIECE.

5. TERMINATE CONDENSATE AT MOP SINK.

2. HEAT PUMP, REF. MECHANICAL. 3. COOLING COIL, REF. MECHANICAL.









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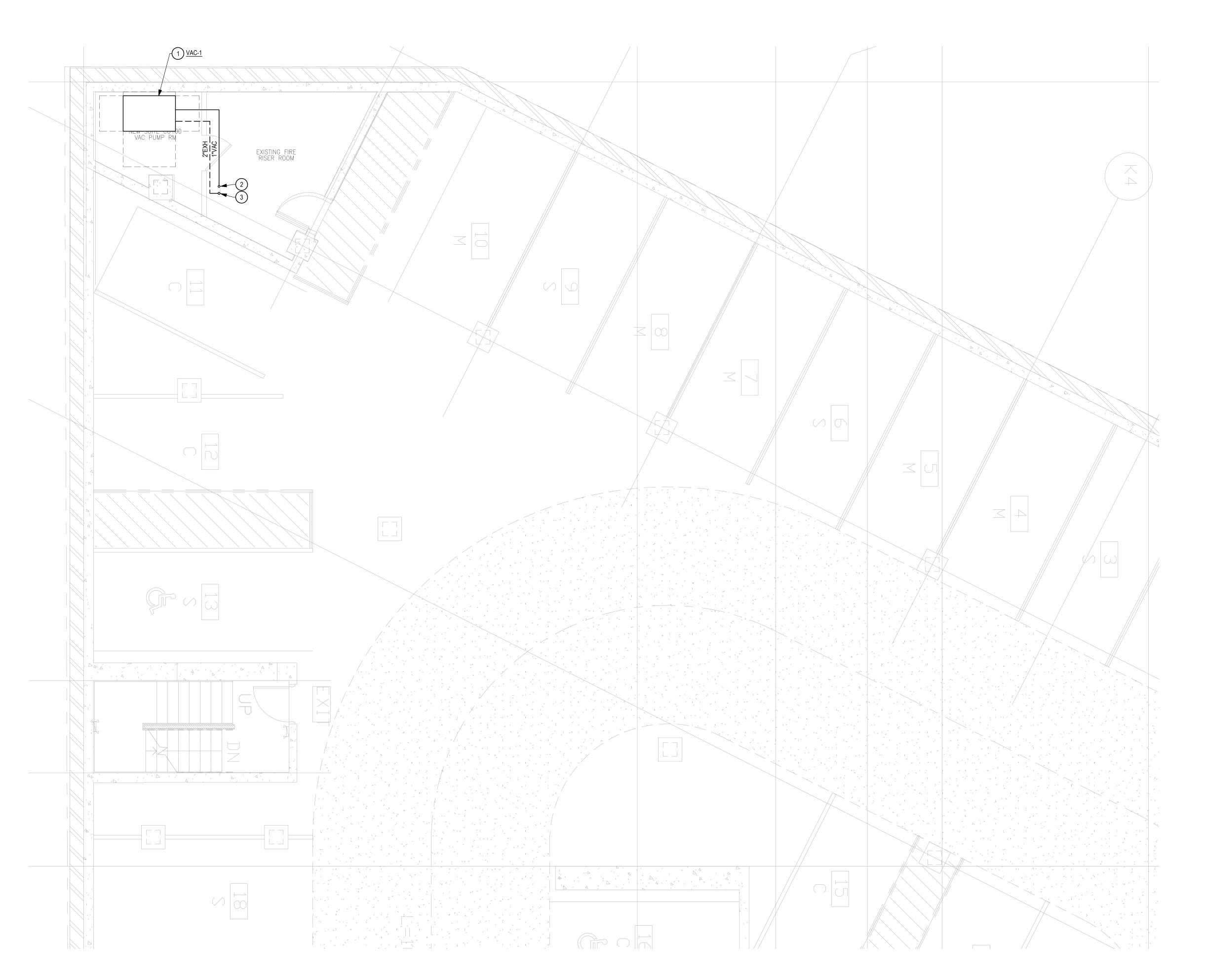
PROJECT: AN

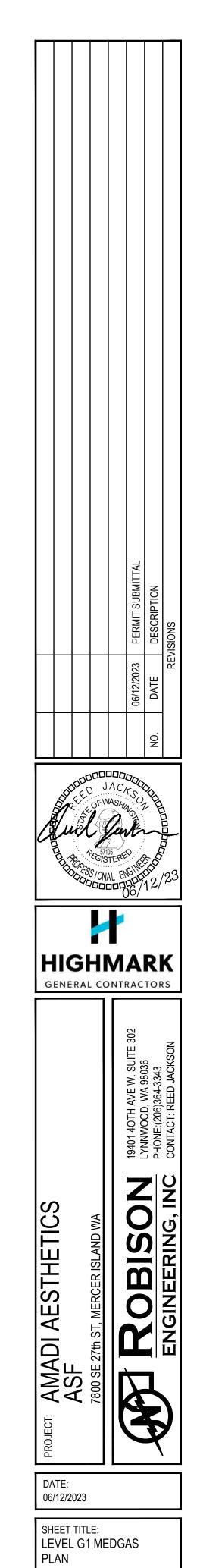
DATE: 06/12/2023

SHEET TITLE: DWV PIPING DIAGRAM

DWV PIPING DIAGRAM

SHEET NO. **P502**



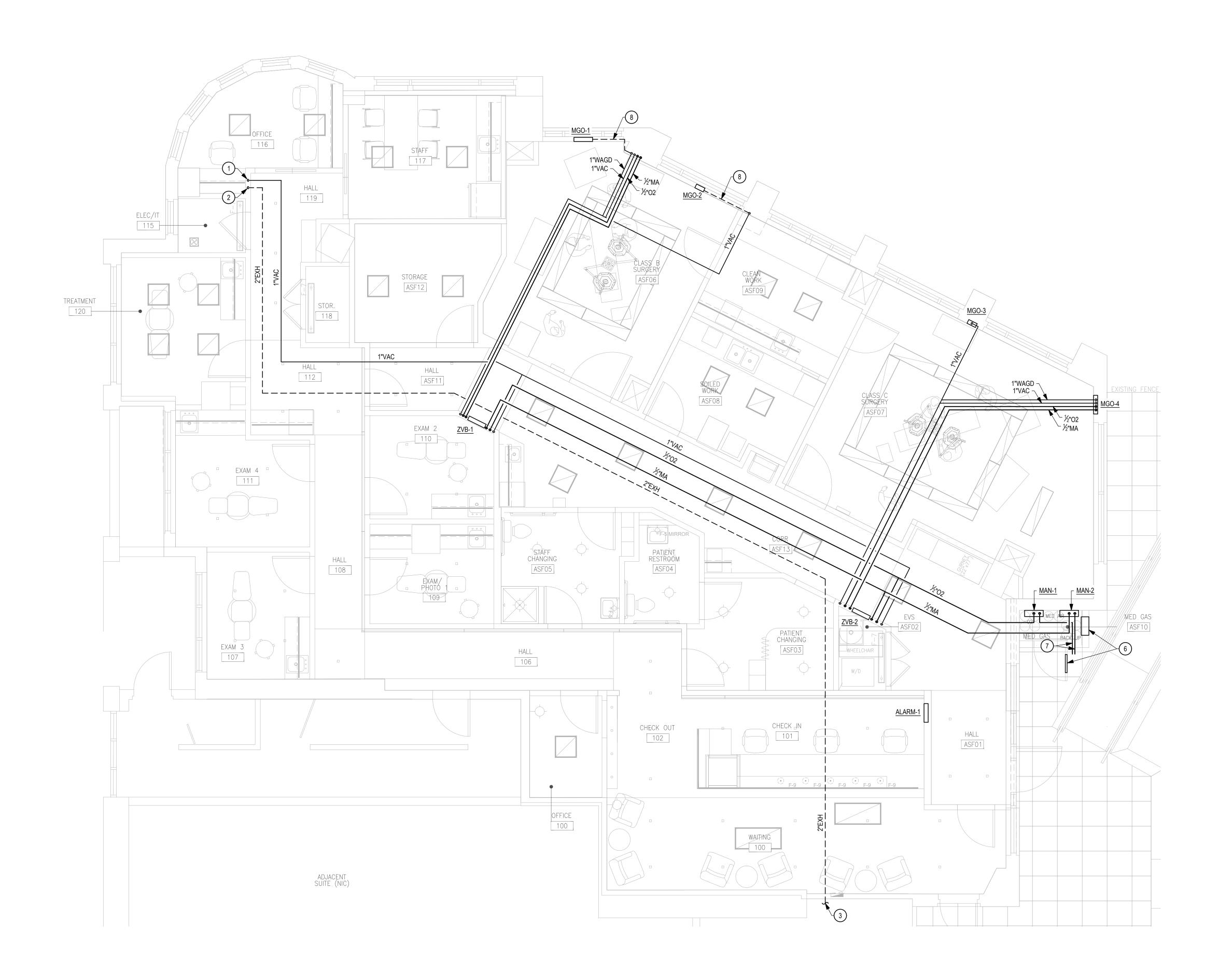


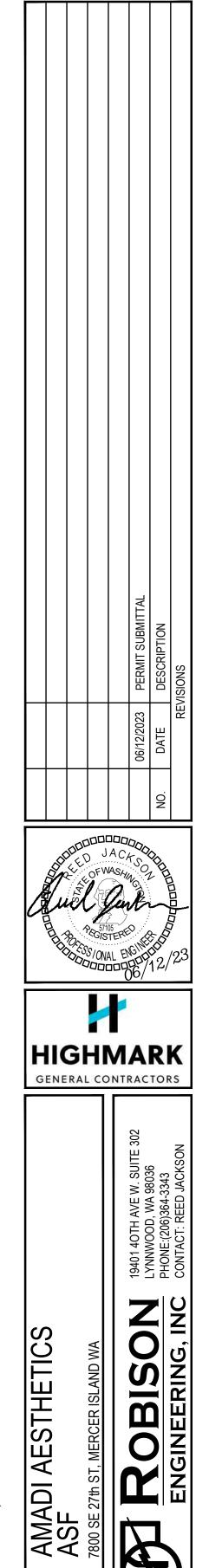
1. DUPLEX VACUUM PUMP.

VACUUM UP.
 VACUUM EXHAUST UP.

LEVEL G1 MEDGAS PLAN

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





GENERAL NOTES

SEE MEDICAL GAS EQUIPMENT SCHEDULE ON P001 FOR REQUIRED QTY. OF GAS OUTLETS AT EACH LOCATION.

KEY NOTES

- 1. VACUUM UP FROM LEVEL G1.
- 2. VACUUM EXHAUST UP FROM LEVEL G1.
- 3. SEE P201 FOR CONTINUATION.
- 4. 2x2 O2 MANIFOLD.
- 5. 2x2 MA MANIFOLD. 6. PROVIDE 18x18 DOOR LOUVER 1' ABOVE GRADE AND 18x18 WALL LOUVER WITHIN 1' OF CEILING OF MEDGAS CLOSET.

 - 7. TERMINATE 3/4" MANIFOLD VENTS THROUGH WALL OF MEDGAS CLOSET AS HIGH AS POSSIBLE.

8. ROUTE MEDGAS LATERALLY THROUGH WALL BELOW WINDOW TO OUTLETS IN ASF06.

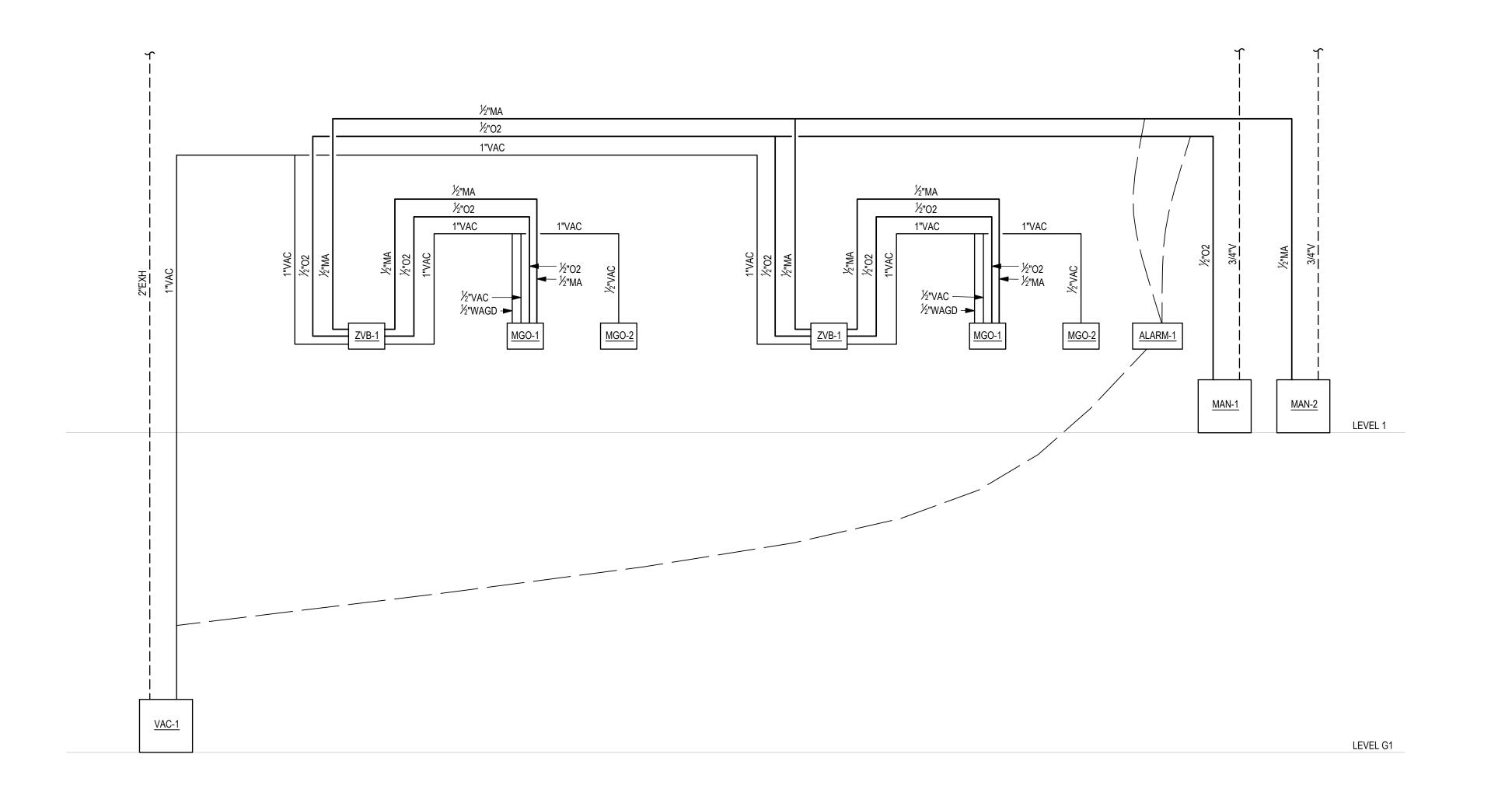
LEVEL 1 MEDGAS PLAN

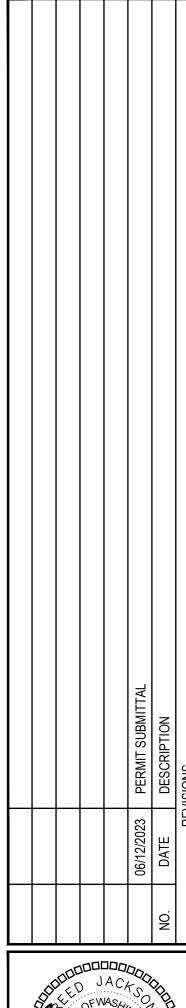
SCALE: 1/4" = 1'-0"

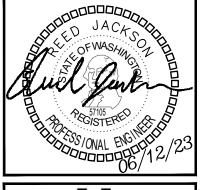
SHEET NO.

SHEET TITLE: LEVEL 1 MEDGAS PLAN

06/12/2023









DATE: 06/12/2023

SHEET TITLE: MEDGAS PIPING DIAGRAMS

MEDGAS PIPING DIAGRAM

SHEET NO.

P602