ACC

AC<sup>-</sup> AD

ADJ

AFF

BM

B/O

CB

CD

CG

CIP

CJ

C/L

CS

СТ

DD

DF

DIM

DW

ΕA

EJ

EL

ΕP

EQ

ES

FAB

FC

FD

FE

FHC

FP

FT

GA

GB

GC

GL

HB

HC

H/C

HD

HM

HO

HR

HW

ID

IMP

KIT

LAV

LINO

KITCHEN

LENGTH

LAVATORY

LINOLEUM

RCHITECTURAL DWG ABBREVIATIONS

LVR

MATL

MECH

MAX

MED

MEL

MEP

MEZZ

LIVE LOAD

LOUVER

METER

MATERIA

MAXIMUM

MEDIUM

MELAMINE

MEZZANINE

AND PLUMBING

MECHANICAL, ELECTRICAL

MECHANICAL

CCESSIBLE ACCESS FLOOR ACFL ACOUSTICAL CEILING TILE AREA DRAIN ADJACENT ABOVE FINISHED FLOOR ALUM LUMINUM ANNP ANNUNCIATOR PANEL ANOD NODIZE APPROX APPROXIMAT ARCH RCHITECTURAL AUTO UTOMATIC AVB **AIR VAPOUR BARRIER AIR VAPOUR MOISTURE** AVM BASE **BIFOLD DOOF** BLDG BUILDING BFAM BOTTOM OF BOL BOLLARD BUR BUILT UP ROOFIN CAB CABINET CATCH BASIN **COILING DOOR** CORNER GUARD CAST IN PLACE CONTROL JOIN CENTRE LINE CLG CEILING CLR CLEARANCE CMP COMPOSITE METAL PANEL CMU CONCRETE MASONRY UNIT COL COLUMN COM CUSTOMERS OWN MATERIAI CONC CONCRETE CONST CONSTRUCTION CONT CONTINUOUS CORR ORRIDOR CPT CARPET CPT-T CARPET TILE COUNTER SHUT CERAMIC TILE CW CURTAIN WALL C/W COMPLETE WITH DCRON DURACRON DOUBLE SWING DOOR DEG DEGREES DEMO DEMOLITION DRINKING FOUNTAIN DIA DIAMETER DIMENSION DEAD LOAD DNAR DURANAR DP DEPTH DOOR DISH WASHER DWG DRAWING EACH EXPANSION JOINT ELEVATION ELEC ELECTRICAL ELEV ELEVATOR ELECTRICAL PANEL EPDM ETHYLENE PROPYLENEDIENE M-CLASS (ROOFING) EPX EPOX EQUAL EMERGENCY SHOWER EXIST EXISTING EXP EXPOSED EXP-S EXPOSED STRUCTURE EXT EXTERIOR EWS EYE WASH STATION FRAME FAAP FIRE ALARM ANNUNCIATOR PANEL FABRIC FLASH COVE FLOOR DRAIN FOUNDATION FDN FIRE EXTINGUISHER FFE FINISH FLOOR ELEVATION FURNITURE FIXTURES & FF&E EQUIPMENT FIRE HOSE CABINET FLR FLOOR F/O FACE OF FOC FACE OF CONCRETE FOG FACE OF GLAZING FOS FACE OF STUD FRAME PROTECTION FRR FIRE RESISTANCE RATING FOOT/FEET G() GLASS (type) GAUGE GALVANIZED GALV GRAB BAR GARBAGE BIN GBN GENERAL CONTRACTOR GLASS / GLAZING GRD GROUND GWB GYPSUM WALL BOARD GWG GEORGIAN WIRE GLASS GYP GYPSUM HOSE BIE HOLLOW CORE HANDICAP HCW HOLLOW CORE WOOD HANGAR DOOR HDR HEADER HDWD HARDWOOD HDWR HARDWARE HOLLOW META HONEY-COMB HORIZONTAL HOR HOUR HSKG HOUSEKEEPING HOLLOW STEEL SECTION U/S HSS HT HEIGHT HVAC HEATING / VENTING / AIR CONDITIONING HVY HEAVY HOT WATER INSIDE DIAMETER INFO INFORMATION INSUL INSULATION INT INTERIOR INSULATED METAL PANEL ISO POLYISOCYANURATE JAN JANITOR CLOSET

MF MINERAL FIBRE MFR MANUFACTUREF MANHOLE MH MINIMUM MIN MISC **MISCELLANEOUS** MLDG MOULDING MLWK MILLWORK mm MILLIMETER METAL PANEL MTD MOUNTED MTL METAL NOT APPLICABLE N/A NF NO FRAME (FRAMELESS) NIC NOT IN CONTRACT NUMBER No. NTS NOT TO SCALE O/C OD OH O/H OPNG OPP OS OWSJ P.CONC PD PERP PH PL PLAM PLYWD PO POLY POLY-U PREFAB PREFIN PS PSFR PT PTD R/A RB RCP RD RE REINF REF REFR REQ'D RES REV RM RO RR RSF RUB RWL S/A SAM SC SCW SFL SG SHT SIA SIM SMC SOG SPEC SQ SSM STC STD STL STOR SUSP TBD TD TEL TEMP TERR T/O TOC TOF TOS TPO TS TSG TYP U/G UNO VB VCT VERT VEST VIF WC W/C WD WP WPR WRM WOOD VENEER

ON CENTRE OUTSIDE DIAMETER **OVERHEAD DOOR OVERHEAD** OPENING OPPOSITE OWNER SUPPLIED OPEN WEB STEEL JOIST PAINT (colour) POWDER COAT POLISHED CONCRETI PLANTER DRAIN PERPENDICULAR PHASE PROPERTY LINE PLASTIC LAMINATE PLYWOOD POLYSTYRENE POLYETHYLEN POLYURETHANE PREFABRICATED PREFINISHED PRESSED STEEL PRESSED STEEL FRAME PRESSURE TREATED PAINTED QUARRY TILE RADIUS **RETURN AIR** RUBBER BASE **REFLECTED CEILING BASE** ROOF DRAIN REVOLVING DOOF REINFORCED REFERENCE REFRIGERATOR REQUIRED **RESILIENT FLOORING** REVISION ROOM **ROLLING DOOR** RAPID ROLL DOOF **RESILIENT SHEET** FLOORING RUBBER RAINWATER LEADER SUPPLY AIR SELF-ADHERED MEMBRANE SOLID CORE SOLID CORE WOOD SINGLE SWING DOOR SQUARE FEET SAFETY FLOOR STRUCTURAL GLAZING SHEET SIAMESE CONNECTION SIMILAR SLIDING DOOR STEEL METAL CARRIER SLAB ON GRADE STAND PIPE SPECIFICATION SQUARE STAINLESS STEEL SOLID SURFACING MATERIAL STONE SOUND TRANSMISSION CLASS STANDARD STEEL STORAGE STRUCT STRUCTURAL SUSPENDED TO BE DETERMINED **TRENCH DRAIN TELEPHONE** TEMPORARY TERRAZZO TOP OF TOP OF CURB TOP OF FLOOR TOP OF STEEL THERMOPLASTIC POLYOLEFIN TRANSITION STRIP TEMPERED SAFETY GLASS TYPICAL UNDER GROUND UNLESS NOTED OTHERWISE UNDERSIDE VENEER VAPOUR BARRIER VINYL COMPOSITE TILE VERTICAL VESTIBULE VERIFY IN FIELD WIDTH WALL COVERING WATER CLOSET WOOD WATER HEATER WATERPROOF WALL PROTECTION WASHROOM

# SYMBOL LEGEND

**ANNOTATION SYMBOLS** INDICATES DETAIL NUMBER - INDICATES REFERENCE SIM / TYP / REV PLAN DETAIL REFERENCE INDICATES DRAWING NUMBER WHERE DETAIL IS LOCATED - INDICATES SECTION NUMBER - INDICATES REFERENCE SIM / TYP / RFV **BUILDING SECTION REFERENCE** - INDICATES DRAWING NUMBER WHERE SECTION IS LOCATED INDICATES SECTION NUMBER - INDICATES REFERENCE SIM / TYP / REV WALL / DETAIL SECTION REFERENCE A00-0 INDICATES DRAWING NUMBER WHERE SECTION IS LOCATED INDICATES REFERENC SIM / TYP / REV INDICATES ELEVATION NUMBER **EXTERIOR ELEVATION REFERENCE** INDICATES DRAWING NUMBER WHERE ELEVATION IS LOCATED INDICATES DRAWING NUMBER WHERE ELEVATION IS LOCATED - INDICATES REFERENCE SIM / TYP / RE\ INTERIOR ROOM ELEVATION REFERENCE - INDICATES ELEVATION NUMBER GRID TAG 0 - INDICATES LEVEL NAME LEVEL TAC FLOOR / LEVEL - INDICATES LEVEL ELEVATION 100 000 **HEIGHT ELEVATION TAG** 100 000 SPOT ELEVATION TAG

INDICATES ROOM NAME

INDICATES ROOM NUMBER

DOOR NUMBER TAG

WINDOW TAG

**REVISION TAG** 

NORTH INDICATOR

ROOM TA

ROOM NAME

(0000A)

< 1i >

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PROJECT

NORTH

ASSEMBLY SYMBOLS



**OWNER** 3415 28th STREET PORT HURON, MI 48060 PHONE: 810-989-6900

CIVIL ENGINEER TBD

CONTACT: PHONE: EMAIL:

# VICINITY MAP

 $\langle F00 \rangle$ FLOOR ASSEMBLY TAG P00 WALL / PARTITON ASSEMBLY TAG - INDICATES CEILING ASSEMBLY **CEILING ASSEMBLY TAG** - INDICATES CEILING HEIGHT A.F.F.  $\langle R00 \rangle$ ROOF ASSEMBLY TAG **FINISHES SYMBOLS** FINISH SET OUT / START POINT NNNN NNNN FINISH TYPE/EXTENTS TAG NNNN NNNN (F1)**FINISH TYPE TAG** MILLWORK TYPE TAG <EQ000> EQUIPMENT TYPE TAG SD ACCESSORY TYPE TAG

# St. Clair County Health Department Relocation

220 FORT STREET PORT HURON, MI 48060

### PROJECT TEAM

ST. CLAIR COUNTY HEALTH DEPARTMENT CONTACT: JENNIFER POSEY EMAIL: JPOSEY@STCLAIRCOUNTY.ORG

### ARCHITECT

NORR 150 W. JEFFERSON AVENUE., SUITE 1300 DETROIT, MI, US 48226 CONTACT: SCOTT CATALLO PHONE: 313.324.3096 EMAIL: SCOTT.CATALLO@NORR.COM

# MEP **ENGINEERS**

NORR 150 W. JEFFERSON AVENUE., SUITE 1300 DETROIT, MI, US 48226 MECH CONTACT: DAVID DOVAS PHONE: 416.926.4315 EMAIL: DAVID.DOVAS@NORR.COM ELEC CONTACT: MELISSA GOOD PHONE: 313.324.3158 EMAIL: MELISSA.GOOD@NORR.COM

# INTERIOR DESIGN

NORE 150 W. JEFFERSON AVENUE., SUITE 1300 DETROIT, MI, US 48226 CONTACT: HALEY DRISCOLL PHONE: 267.283.0242 EMAIL: HALEY.DRISCOLL@NORR.COM

### STRUCTURAL ENGINEERS

NORR 150 W. JEFFERSON AVENUE., SUITE 1300 DETROIT, MI, US 48226 CONTACT: SCOTT CATALLO PHONE: 313.324.3096 EMAIL: SCOTT.CATALLO@NORR.COM





AHJ STAMP



# **GENERAL CONDITIONS**

- A. THE FOLLOWING ARE GENERAL CONDITIONS FOR THE PROJECT. IF THERE OCCURS A CONFLICT BETWEEN THESE NOTES AND OTHER CONTRACT REQUIREMENTS THE MORE STRICT SHALL GOVERN. THE CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS REQUIRED FOR A COMPLETE AND OPERATIONAL PROJECT AS INDICATED OR IMPLIED BY THE CONSTRUCTION DRAWINGS AND/ OR SPECIFICATIONS UNLESS NOTED OTHERWISE.
- B. THE CONTRACTOR SHALL OBTAIN COPIES OF ALL RELATED BUILDING CODES FOR REFERENCE DURING CONSTRUCTION. ALL WORK SHALL MEET THE BUILDING CODES AND REGULATIONS LISTED UNDER CODE INFORMATION.
- C. THE CONTRATOR SHALL THOROUGHLTY INSPECT THE SITE AND BE FAMILIAR W/ EXISTING CONDITIONS PRIOR TO THE START OF THEIR WORK.
- D. THESE DRAWINGS ARE PREPARED FOR THE PURPOSE OF CONSTRUCTION ONLY. THESE DRAWINGS ARE NOT TO BE USED FOR MAINTENANCE PURPOSES, AS ACTUAL CONDITIONS MAY VARY FROM THESE SHOWN DRAWINGS DUE TO CHANGE ORDERS, ALTERATIONS BY OTHERS, FIELD CONDITIONS, ETC.
- E. THESE DOCUMENTS AND RELATED CONTENT ARE DIAGRAMMATICAL IN NATURE AND ARE NOT INTENDED TO INDICATE MEANS AND METHODS REQUIRED TO PROPERLY COMPLETE THE WORK. ALL WORK SHALL MEET ALL APPLICABLE CODES AND REGULATIONS.
- F. PRIOR TO CONSTRUCTION, THE PREPARATION OF SHOP DRAWINGS, AND THE FABRICATION OF ANY MATERIALS, VERIFY ALL DIMENSIONS IN FIELD, REFERRING TO EXISTING ADJACENT CONDITIONS, CONSTRUCTION MATERIALS. AND DETAILS. IF ANY DISCREPANCIES ARE DISCOVERED, ASSUME CERTAIN MODIFICATIONS TO DETAILS AFFECTING EXISTING CONDITIONS ARE SUBJECT TO REVIEW BY THE ARCHITECT.
- G. ALL WORK SHALL MEET THE CRITERIA OF THE RELATED PRODUCT'S MANUFACTURER AS NEEDED TO MEET CODE AND AS NEEDED TO PROVIDE A WARRANTED INSTALLED ASSEMBLY. ANY INSTALL OF AN ASSEMBLY OVER, WITHIN OR ATTACHED TO A SURFACE, SUBSTRATE, OR OTHER PRODUCT ASSEMBLY SHALL INDICATE THE INSTALLER'S AND THE RELATED MANUFACTURER'S ACCEPTANCE OF ALL CONDITIONS AS BEING CODE COMPLIANT AND SUITABLE FOR A FULLY WARRANTED ASSEMBLY.
- WORKMANSHIP. ALL WORK SHALL BE DONE TO MEET OR EXCEED THE STANDARDS OF NORMAL
- CONSTRUCTION TRADE PRACTICE(S) AND CURRENT GOVERNING CODE. . MAINTAIN A COMPLETE SET OF CONSTRUCTION DOCUMENTS AT THE SITE FOR USE IN RECORDING AN AS-BUILT RECORD. UPDATE AS-BUILT NOTATIONS DAILY PROTECT DOCUMENTS TO ENSURE THEIR COMPLETENESS AND LEGIBILITY, FOLLOWING COMPLETION OF THE PROJECT AS -BUILT DRAWINGS ARE TO BE GIVEN TO THE OWNER.
- K. NOTE TO OWNER AND GENERAL CONTRACTOR: THE ARCHITECT ASSUMES THAT THE PERMIT PLAN REVIEW PERFORMED BY THE RELATED AUTHORITIES HAVING JURISDICTION (AHJ) IS THOROUGH, COMPLETE, AND ACCURATE. ANY CHANGES REQUESTED BY THE AHJ WHICH ARE MADE AFTER PROJECT PERMITTING SHALL BE DEEMED A CHANGE IN SCOPE. THE ARCHITECT/ ENGINEERS SHALL ASSUME NO RESPONSIBILITY FOR ANY COSTS RELATED TO SUCH THINGS.
- DEFERRED SUBMITTALS: PORTIONS OF THE WORK FOR THIS PROJECT ARE BEING DESIGNED AND ENGINEERED BY OTHERS OR THROUGH A DESIGN-BUILD PROCESS. THIS WORK SHALL BE PERMITTED SEPARATELY. PRIOR TO FABRICATION, SHIPPING, OR INSTALL OF THE FOLLOWING ITEMS, A SET OF DETAILED STAMPED/ CERTIFIED DESIGN SHOP DRAWINGS SHALL BE PROVIDED BY A STATE LICENSED STRUCTURAL ENGINEER WHOM IS EITHER HIRED OR EMPLOYED BY THE RELATED PRODUCT MANUFACTURER, SUPPLIER, SUBCANTRACTOR, OR INSTALLER: (DO NOT UNDERTAKE ANY RELATED WORK UNTIL SUCH SHOP DRAWINGS HAVE BEEN APPROVED BY THE STRUCTURAL ENGINEER OF RECORD AND THE LOCAL PERMITTING AUTHORITIES HAVING JURISDICTION. ALL WORK SHALL MEET ALL RELATED CODES AND **REGULATIONS**) - FIRE ALARM / FIRE SUPPRESSION

1. FACILITY SIGNAGE: FACILITYSIGNAGE IS NOT PART OF THIS PERMIT SUBMITTAL PRIOR TO FABRICATION, THE SIGNAGE VENDOR SHALL SUBMIT DETAILED SHOP DRAWINGS INDICATING SIGNAGE TYPES, QUANTITIES, SIZES, COLORS, LOCATIONS, STRUCTURAL SUPPORT, STRUCTURAL FOUNDATIONS, AND UTILITY CONNECTIONS TO THE LOCAL PERMITTING AUTHORITIES FOR APPROVAL.

**EXTERIOR SIGNAGE** SIGNS ARE NOT APPROVED WITHIN THE SCOPE OF THIS BUILDING PERMIT. A SEPARATE SIGN LOCATION PERMIT IS REQUIRED FOR SIGNAGE AS PER LOCAL REGULATIONS.

### FOR ILLUSTRATIVE PURPOSES ONLY. REFER TO DETAILED DRAWINGS FOR CONSTRUCTION.

- H. REMEDY, WITHOUT COST TO THE OWNER. ANY DEFECTS DUE TO FAULTY

### CODE INFORMATION SUMMARY REFER TO FULL CODE REVIEW PROJECT DESCRIPTION INTERIOR RENOVATION

# APPLICABLE CODES

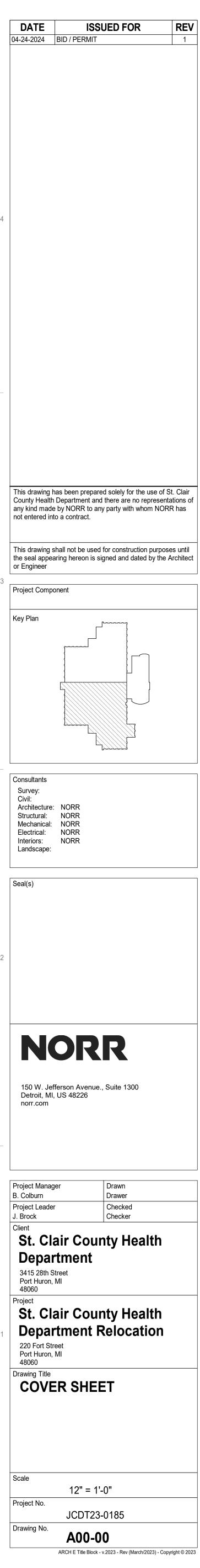
- 2015 Michigan Rehabilitation Code for Existing Buildings 2012 NFPA 101 (Life Safety Code) *MBC 2015* (Michigan Building Code, 2015, as referenced by MRCEB 2015 above) *MPC 2018* (Michigan Plumbing Code, 2018) MMC 2015 (Michigan Mechanical Code, 2015) **NEC 2017** (State of Michigan Electrical Code) IFC 2015 (International Fire Code, 2015, as referenced by MBC 2015 above) MEC 2015 (Michigan Energy Code, 2015, Ch. 4 & Part 10a.) ICC A117.1-2009 (Accessible and Usable Buildings & Facilities)
- JURISDICTION CITY OF PORT HURON PLANNING/ ZONING CODE ENFORCEMENT CITY OF PORT HURON CITY OF PORT HURON FIRE DEPARTMENT **REGULATIONS:**
- OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) -CURRENT REGULATIONS BUILDING AND CONSTRUCTION TRADE STANDARDS -CURRENT STANDARDS UNDERWRITERS LABORATORY (UL) -CURRENT ASSEMBLY CRITERIA
- USE & OCCUPANCY BUSINESS: B
- SPECIAL REQUIREMENTS
- BUILDING HEIGHT & AREA MAX. ALLOWED: (AUTOMATIC SPRINKLER SYSTEM) B = 3 STORIES, 55 FEET
- TYPE OF CONSTRUCTION YPE II-B (FULLY SPRINKLERED) FIRE RESISTANCE RATING REQUIREMENTS PER BUILDING ELEMENT: PRIMARY STRUCTURAL FRAME = NONE EXTERIOR BEARING WALLS = NONE
- INTERIOR BEARING WALLS = NONE ROOF = NONE **INTERIOR FINISHES** MIN. FLAME SPREAD INDEX (AUTOMATIC SPRINKLER SYSTEM)
- FIRE PROTECTION SYSTEMS FIRE SPRINKLER: PROVIDE
- FIRE ALARM: PROVIDED 0.MEANS OF EGRESS

B & S1 = CLASS C

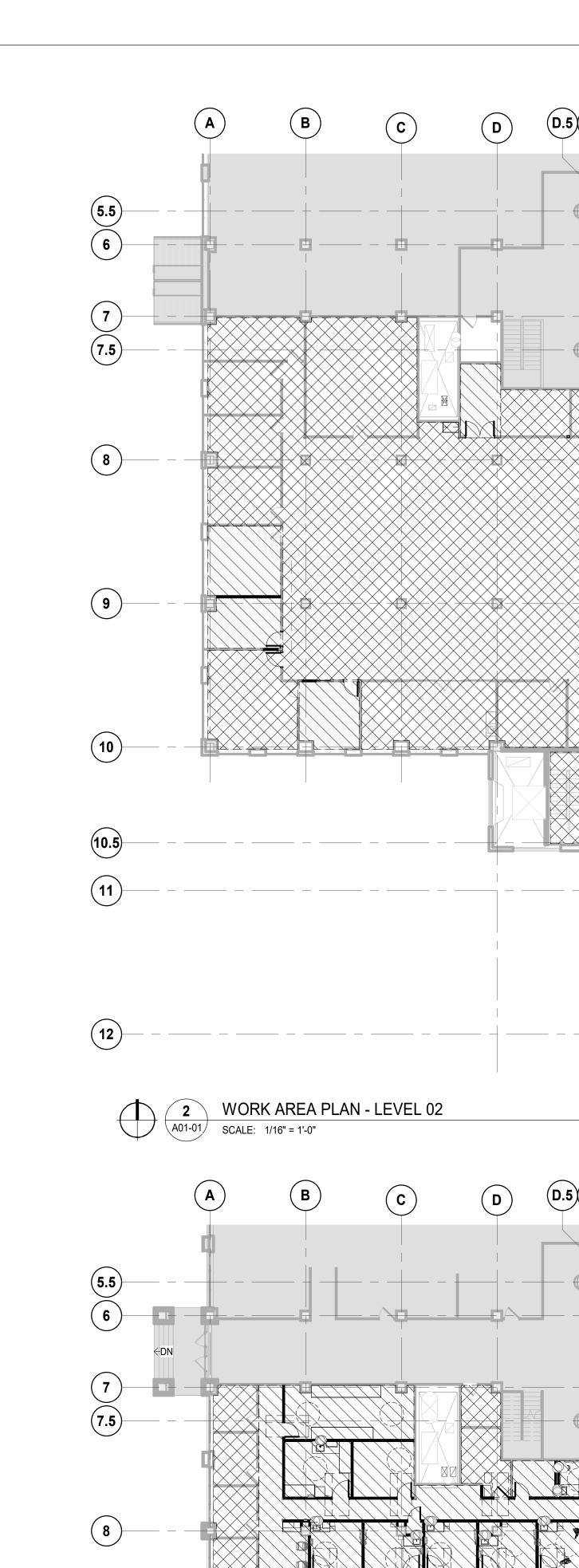
REFER TO LIFE SAFETY/ EGRESS PLAN FOR SPECIFIC CALCULATIONS. OCCUPANT LOAD: SEE LIFE SAFETY PLAN NUMBER OF EXITS: SEE LIFE SAFETY PLAN

# SHEET INDEX

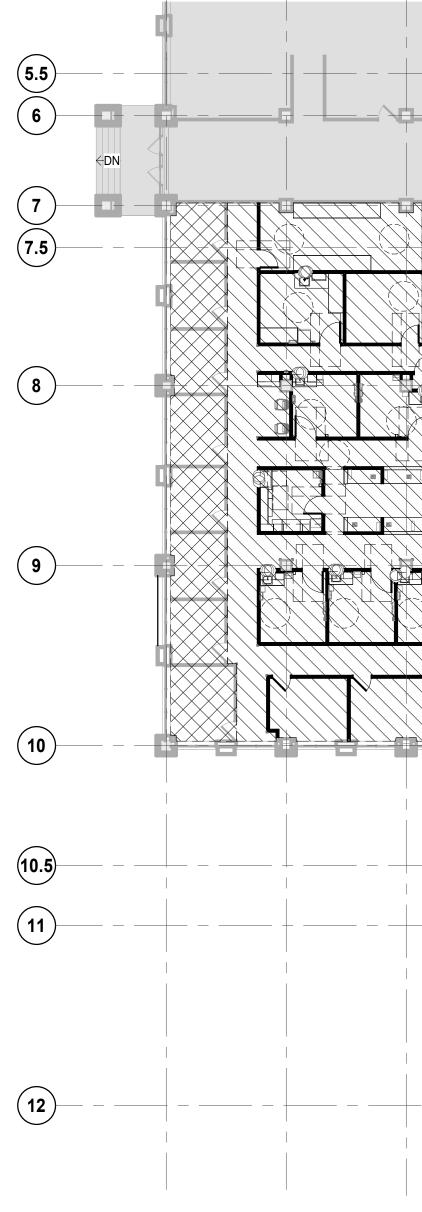
SHEET No.	SHEET NAME	<b>BID/PERMIT</b>
00 GENERA		<u> </u>
A00-00	COVER SHEET	X
A01-01	CODE SUMMARY AND WORK AREA PLANS LEVEL 01 AND LEVEL 02	X
A02-03	LIFE SAFETY PLAN - LEVEL 01	X
A02-04	LIFE SAFETY PLAN - LEVEL 02	X
A03-01	TYPICAL ASSESSIBILITY STANDARDS	X
A04-01	INTERIOR PARTITION TYPES	Х
A04-02	TYPICAL FIRE STOPPING DETAILS	X
A05-01	DOOR SCHEDULE, DOOR & FRAME DETAILS	X
01 ARCHITE		<b></b> 1
A20-01	FLOOR PLAN - LEVEL 01	X
A20-02	FLOOR PLAN - LEVEL 02	X
A21-01	FLOOR CORING PLAN - LEVEL 01 AND LEVEL 02	X
A30-01	REFLECTED CEILING PLAN - LEVEL 01	X
A30-02	REFLECTED CEILING PLAN - LEVEL 02	X
A30-03 A60-01	ENLARGED REFLECTED CEILING PLANS - LEVEL 01 ENLARGED PH&I PLAN & ELEVATIONS - LEVEL 01	X
A60-01 A60-02	ENLARGED WIC AREA PLAN & ELEVATIONS - LEVEL 01	X
A60-02 A60-03	ENLARGED WIC AREA PLAN & ELEVATIONS - LEVEL 01 ENLARGED RECEPTION PLAN AND ELEVATIONS - LEVEL 01 & LEVEL	<b> ^</b>
A00-03	02 LAB	X
A60-04	ENLARGED PLANS & ELEVATIONS - LEVEL 01	X
A60-05	ENLARGED PLANS & ELEVATIONS - LEVEL 01 & 02	X
A70-01	WALL SECTIONS	X
A72-01	TYPICAL CASEWORK & MILLWORK DETAILS	X
A80-01	DEMOLITION PLAN - LEVEL 01	X
A80-02	DEMOLITION PLAN - LEVEL 02	X
A81-01	RCP DEMOLITION PLAN - LEVEL 01	X
A81-02	RCP DEMOLITION PLAN - LEVEL 02	X
A90-00	MATERIAL SCHEDULE, NOTES & DETAILS	X
A90-01	ROOM FINISH SCHEDULE	X
A91-01	FINISH PLAN - LEVEL 01	X
A91-02	FINISH PLAN - LEVEL 02	X
A93-01	FF&E FLOOR PLAN - LEVEL 01	X
A93-02	FF&E FLOOR PLAN - LEVEL 02	X
04 MECHAN		
M00-01 M00-03	MECHANICAL NOTES AND LEGENDS MECHANICAL SCHEDULES	X
M00-03	MECHANICAL SCHEDULES	X X
M00-04 M00-05	MECHANICAL SCHEDULES 3	X
M00-05	MECHANICAL DETAILS	X
M50-00	SOUTH WING - BASEMENT HVAC PLAN	X
M50-01	SOUTH WING - LEVEL 1 HVAC PLAN	X
M50-02	SOUTH WING - LEVEL 2 HVAC PLAN	X
M50-03	SOUTH WING - ROOF HVAC PLAN	X
M53-00	SOUTH WING - BASEMENT HYDRONIC PLAN	X
M53-01	SOUTH WING - LEVEL 1 HYDRONIC PLAN	X
M53-02	SOUTH WING - LEVEL 2 HYDRONIC PLAN	X
M60-01	AHU-1 CONTROL DETAIL	X
M 80-11	SOUTH WING - LEVEL 1 HVAC DEMOLITION PLAN	X
M 80-12	SOUTH WING - LEVEL 1 HVAC PIPING DEMOLITION PLAN	X
M 80-13	SOUTH WING - LEVEL 2 HVAC DEMOLITION PLAN	Х
M 80-14	SOUTH WING - LEVEL 2 HVAC PIPING DEMOLITION PLAN	Х
05 PLUMBIN		
P00-01		X
P00-02		X
P00-03	PLUMBING DETAILS	X
P20-00	SOUTH WING - BASEMENT PLUMBING PLAN	X
P20-01	SOUTH WING - LEVEL 1 PLUMBING PLAN	X
P20-02	SOUTH WING - LEVEL 2 PLUMBING PLAN	X
P50-01 P50-02	DOMESTIC WATER RISER DIAGRAM SANITARY AND VENT PLUMBING RISER DIAGRAM	X X
06 ELECTRIC		^_
E00-01	ELECTRICAL ABBREVIATIONS & SYMBOLS	X
E00-01	ELECTRICAL SCHEDULES	<u>^</u> Х
E10-02	SOUTH WING - BASEMENT ELECTRICAL PLAN	X
E10-01	SOUTH WING - LEVEL 1 ELECTRICAL PLAN	X
E10-02	SOUTH WING - LEVEL 2 ELECTRICAL PLAN	X
	SOUTH WING - LEVEL 1 LIGHTING PLAN	X
E20-01	SOUTH WING - LEVEL 2 LIGHTING PLAN	X
		X
E20-01	SOUTH WING - LEVEL 1 FIRE ALARM PLAN	
E20-01 E20-02	SOUTH WING - LEVEL 1 FIRE ALARM PLAN SOUTH WING - LEVEL 2 FIRE ALARM PLAN	X
E20-01 E20-02 E30-01		X X
E20-01 E20-02 E30-01 E30-02	SOUTH WING - LEVEL 2 FIRE ALARM PLAN	-
E20-01 E20-02 E30-01 E30-02 E60-01	SOUTH WING - LEVEL 2 FIRE ALARM PLAN PANEL SCHEDULES - LEVEL 1	Х
E20-01 E20-02 E30-01 E30-02 E60-01 E60-02	SOUTH WING - LEVEL 2 FIRE ALARM PLAN PANEL SCHEDULES - LEVEL 1 PANEL SCHEDULES - LEVEL 2	X X
E20-01 E20-02 E30-01 E30-02 E60-01 E60-02 E80-01	SOUTH WING - LEVEL 2 FIRE ALARM PLAN PANEL SCHEDULES - LEVEL 1 PANEL SCHEDULES - LEVEL 2 SOUTH WING LEVEL 1 - ELECTRICAL DEMOLITION PLAN	X X X







ΧХ



A01-01 SCALE: 1/16" = 1'-0"



503.1 SCOPE Level 1 alterations include the removal and replacement or the covering of existing materials, elements, equipment, or fixtures using new materials, elements, equipment, or fixtures that serve the same purpose. 504.1 SCOPE Level 2 alterations include the reconfiguration of space, the addition or elimination of any door or window, the reconfiguration or extension of any system, or the installation of any additional equipment.

DNUP

(J.5)

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CODE REVIEW											
MENTS	MEANS OF EGRESS										
2015 Michigan Rehabilitation Code for Existing Buildings 2012 NFPA 101 (Life Safety Code)	MAX. COMMON PATH OF TRAVEL	Per <i>MBC Table 1006.2.1 "Spaces with One Exit or Exit Access Doorway"</i> ALLOWABLE: 100' With Sprinkler System									
<ul> <li>MBC 2015 (Michigan Building Code, 2015, as referenced by MRCEB 2015 above)</li> <li>MPC 2018 (Michigan Plumbing Code, 2018)</li> <li>MMC 2015 (Michigan Mechanical Code, 2015)</li> <li>NEC 2017 (State of Michigan Electrical Code)</li> <li>IFC 2015 (International Fire Code, 2015, as referenced by MBC 2015 above)</li> </ul>	TRAVEL DISTANCE	<ul> <li>Per MBC Table 1017.2, "Exit Access Travel Distance,"</li> <li>ALLOWABLE: 300'-0" (With Sprinkler System)</li> <li>PROVIDED: (Max. Path of Travel)</li> </ul>									
<i>MEC 2015</i> (Michigan Energy Code, 2015, Ch. 4 & Part 10a.) <i>ICC A117.1-2009</i> (Accessible and Usable Buildings & Facilities)	CORRIDOR WIDTH	Per <i>MBC Table 1020.2, "Minimum Corridor Width"</i> B Occupancy Required Corridor Width = <i>44" Any facilities not listed</i>									
APPROACH: 301.1.2 Work Area Compliance Method (Chapters 5-13)	DEAD END CORRIDORS	Per <i>MBC Table 1020.4, "Dead Ends"</i> ALLOWABLE: 50' With Sprinkler System									
<ul> <li>CLASSIFICATION OF WORK (per section 504 of MRCEB 2015):</li> <li>Alteration Level 2 for defined Work Area (work area less than 50% of building area)</li> </ul>	FIXTURES										
<i>Existing Building Area</i> = B - Business Group Occupancy (Medical / Commercial Office)	FIXTURES	Per MPC Table 403.1, "Minimum Number of Required Plumbing Fixtures"									
(No change in occupancy) Existing - II-B (Fully Sprinkled)	FIXTURE COUNT	WATER CLOSETS         A-3 (Assembly)       1 per 125 (Male)         1 per 65 (Female)									
TOTAL BUILDING FLOORS: 2	_	B (Business Area)1 per 25 for the first 50 & 1 per 50 for the remainder exceeding 50S-2 (Storage)1 per 100LAVATORIES									
PROJECT AREA FLOORS: 2 Existing Building 47'-0" TOTAL HEIGHT (highest point)	-	A-3 (Assembly)1 per 200B (Business Area)1 per 40 for the first 80 & 1 per 80 for the remainder exceeding 80S-2 (Storage)1 per 100DRINKING FOUNTAIN									
Per MBC Table 601, "Fire-Resistance Rating Requirements for Building Elements (Hours)": Construction Type II-B         FIRE RATING       REQUIRED       PROVIDED (ASSUMED)         PRIMARY STRUCTURAL FRAME       0       0		A-3 (Assembly)       1 per 500         B (Business Area)       1 per 100         S-2 (Storage)       1 per 1,000         SERVICE SINK         A-3 (Assembly)       1 required         B (Business Area)       1 required         S-2 (Storage)       1 required         S (Business Area)       1 required         S-2 (Storage)       1 required									
BEARING WALLS (INT. & EXT.)00NON-BEARING INTERIOR WALLS00FLOOR CONSTRUCTION00		$\frac{LEVEL 1}{WATER CLOSET OCCUPANT LOAD}$ A-3 (Assembly) (152 occ. / 2) / 125 = 0.608 (Male)									
Fire Alarm System Provided		$\begin{array}{cccccccccccccccccccccccccccccccccccc$									
Smoke Alarm System Provided		LAVATORIES OCCUPANT LOAD           A-3 (Assembly)         (152 occ. / 2) / 200         = 0.380 (Each)           B (Business Area)         (173 occ. / 2) = 86.5 (M/F)         = 3.081 (Each)									
TOTAL WORK AREA (NO WORK AREAS SHOWN HATCHED ON PLAN):		S-2 (Storage) $(0 \text{ occ. } / 2) / 0 = 0$ (Each)									
LEVEL (SF)NICWORK AREABASEMENT41,06538,5652,500 SF1ST FLOOR46,69628,34818,348 SF2ND FLOOR41,10926,00415,105 SF		DRINKING FOUNTAIN OCCUPANT LOAD           A-3 (Assembly)         (152 occ. / 500)         = 0.304 (Each)           B (Business Area)         (173 occ. / 100)         = 1.730 (Each)           S-2 (Storage)         (0 occ. / 1000)         = 0 (Each)									
TOTAL AREA:         128,870         92,917         35,953 SF           TOTAL WORK AREA:         33,453 SF		$\frac{LEVEL 2}{WATER CLOSET OCCUPANT LOAD}$ A-3 (Assembly) (33 occ. / 2) / 125 = 0.132 (Male)									
TOTAL WORK AREA PERCENTAGE: (35,953 / 128,870) x 100 = 27.9 %         Per MBC Table 1004.1.2, "Maximum Floor Area Allowances Per Occupant":	_	$\begin{array}{rrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrrr$									
B (Business Area)1 OCCUPANT PER 100 GROSS SQ. FT.A-2 (Lunch)1 OCCUPANT PER 15 GROSS SQ. FT.A-3 (Assembly)1 OCCUPANT PER 15 GROSS SQ. FT.A-3 (Waiting)1 OCCUPANT PER 7 GROSS SQ. FT.S-2 (Storage)1 OCCUPANT PER 300 GROSS SQ. FT.		LAVATORIES OCCUPANT LOAD           A-3 (Assembly)         (33 occ. / 2) / 200         = 0.083 (Each)           B (Business Area)         (144 occ. / 2) = 72 (M/F)         = 1.800 (Each)           S-2 (Storage)         (3 occ. / 2) / 100         = 0.015 (Each)									
B (Mech. Equipment) 1 OCCUPANT PER 300 GROSS SQ. FT. <u>OCCUPANT LOAD:</u> BASEMENT 'B' OCC. (Mech. Equipment) 0 sf / 300 sf = 0 occ.		DRINKING FOUNTAIN OCCUPANT LOAD           A-3 (Assembly)         (33 occ. / 500)         = 0.066 (Each)           B (Business Area)         (144 occ. / 100)         = 1.440 (Each)           S-2 (Storage)         (3 occ. / 1000)         = 0.003 (Each)									
<u>'S-2' OCC. (Storage)</u> = 9 occ. = 9 occ.		REQUIRED         WATER CLOSETS       LAVATORIES       DRINKING       SERVICE         MALE       FEMALE       MALE       FEMALE       FOUNTAINS       SINKS									
FIRST FLOOR         'B'       OCC. (Office Space)         'A-3'       OCC. (New Waiting Areas)         1,049 sf / 7 sf       = 150 occ.         = 323 occ.		1ST FLR.         3.4         3.9         3.5         3.5         2.0         1           2ND FLR.         2.6         2.7         1.9         1.9         1.5         1           EXISTING         WATER CLOSETS         LAVATORIES         DRINKING         SERVICE									
SECOND FLOOR           'B'         OCC. (Office Space)           'A-2'         OCC. (Cafeteria)           'S-2'         OCC.           'S-2'         OCC.		M         F         FAMILY         MALE         FEMALE         FOUNTAINS         SINKS           1ST FLR.         6(3)         9         1         4         6         2         2           2ND FLR.         4(2)         6         -         2         3         1         2									
= 182 occ. <u>TOTAL OCCUPANTS (NEW WORK AREA)</u> = 514 occ.		NEW       WATER CLOSETS       LAVATORIES       DRINKING       SERVICE         M       F       FAMILY       MALE       FEMALE       FOUNTAINS       SINKS         1ST FLR.       -(-)       -       -       -       -       -									
*Refer to Life Safety Plan for further information		2ND FLR(-) 1 -									
		(*) BESIDE WATER CLOSETS IN MALE CATEGORY INDICATES NUMBER OF URINALS INCLUDED IN WATER CLOSET TOTAL									
Per MBC 1005.3.2, "Other Egress Components" - Exception 1Means of Egress Component Capacity = $0.15$ " / Occupant (With Sprinkler System)REQUIRED 505 occ. * .15"/person = 75.75" of exit widthPROVIDED: EXIT 1 - (2 Single Doors) $32" \times 2 = 64"$ $22" \times 1 = 32"$ EXIT 2 - (1 Single Door)SUT 3 - (1 Single Door) $32" \times 1 = 32"$ $22" \times 1 = 32"$ EXIT 4 - (1 Double Door)EXIT 4 - (1 Double Door) $64" \times 1 = 64"$ TOTAL (Provided)											

192" PROVIDED > 75.75" REQUIRED

PLAN LEGEND
<u>ELS</u>
IR LEVEL ALTERATION AREA

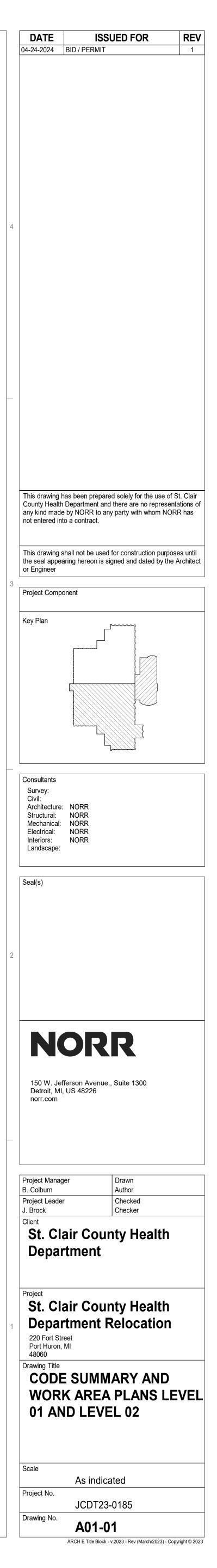
LEVEL 1 ALTERATION AREA

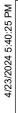
LEVEL 2 ALTERATION AREA

NO WORK IN THESE AREAS

### **ALTERNATES LIST** ALTERNATE NO. BASE BID ALTERNATE SCOPE PROVIDE FELT CEILING TILES (AC-03, AC-04,<br/>AC-05, AC-06, AC-07, AND AC-08) AS INDICATEDDEDUCT ALTERNATE: PROVIDE ACOUSTIC<br/>CEILING TILE (AC-02) IN LIEU OF FELT TILES ALTERNATE #1 ON MATERIAL SCHEDULE AND REFLECTED CEILING PLANS ALTERNATE #2 PROVIDE SOLID SURFACE COUNTERTOPS **DEDUCT ALTERNATE:** PROVIDE PLASTIC WITH INTEGRATED SOLID SURFACE SINKS (IF LAMINATE COUNTERTOPS (ON MARINE-APPLICABLE) AT ALL NEW MILLWORK GRADE PLYWOOD FOR SINK LOCATIONS) IN LOCATIONS; REFER TO MILLWORK SHEETS LIEU OF SOLID SURFACE COUNTERTOPS INSTALL (10) ACOUSTIC PENDANT FIXTURES ON SECOND FLOOR (BUZZIDOME), AND (1) ALTERNATE #3 DEDUCT ALTERNATE: PROVIDE ALTERNATE ACOUSTIC PENDANTS BASED ON DETAILS ACOUSTIC SURFACE MOUNTED FIXTURE BELOW: FOCAL POINT, LIA ACOUSTIC PENDANT (IN (BUZZIMOON) IN WAITING AREA AS SCHEDULED; REFER TO LIGHTING PLAN (RE: PLACE OF BUZZIDOME), 36"DIA X 12"H, IN (5) ELEC) COLORS • REMOVE (1) BUZZIMOON FROM SCOPE DEDUCT AL TERNATE: ACOUSTIC CLOUDS ALTERNATE #4 INSTALL (2) ACOUSTIC CLOUDS (AC-09) IN

ALTERNATE #4	INSTALL (2) ACOUSTIC CLOUDS (AC-09) IN LEVEL 02 LOUNGE AREA; REFER TO REFLECTED CEILING PLANS	DEDUCT ALTERNATE: ACOUSTIC CLOUDS REMOVED FROM PROJECT
ALTERNATE #5	INCLUDE DEMO & NEW WORK SCOPE IN EXISTING RESTROOMS: • LEVEL 01 MEN'S RESTROOM, RM 145 WOMEN'S RESTROOM, RM 146 • LEVEL 02 MEN'S RESTROOM, RM 223 WOMEN'S RESTROOM, RM 224	DEDUCT ALTERNATE: NO WORK TO BE PERFORMED IN EXISTING TOILET ROOMS
ALTERNATE #6	INSTALL CORNER GUARDS (WP-01 AND WP-02) AS INDICATED ON FINISH PLANS	<b>DEDUCT ALTERNATE:</b> REMOVE ALL CORNER GUARDS (WP-01 AND WP-02) ON LEVEL 02 ONLY







# GENERAL NOTES - LIFE SAFETY PLAN

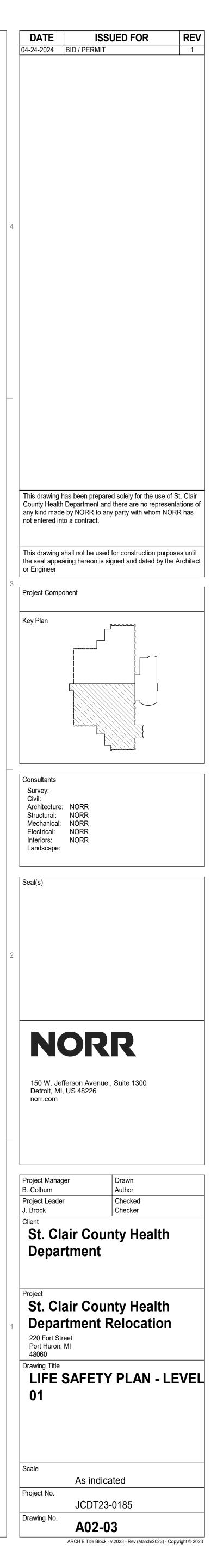
- A. REFER TO UL LISTINGS AND OTHER APPROVED TESTED ASSEMBLIES FOR RATED ASSEMBLES AND OTHER LOAD BEARING CONSTRUCTION.
- B. ALL STRUCTURAL ELEMENTS, WALLS, SHAFTS AND HORIZONTAL ASSEMBLES SHALL BE FIRE-RESISTANCE RATED PER THE FIRE RATING AND SEPARATION OF BUILDING ELEMENTS TABLES ON THE CODE ANALYSIS SHEET.
- C. ALL FIRE-RESISTANCE RATED CONSTRUCTION SHALL BE CONTINUOUS AND PENETRANTS SHALL BE SEALED TO MAINTAIN THE CONTINUITY OF THE FIRE-RESISTANCE RATED ASSEMBLY
- D. FIRE EXTINGUISHER: 10 LB ABC DRY CHEMICAL 4A-80BC, MANUFACTURED BY LARSENS OR EQUAL - SURFACE MOUNTED ON RATED WALLS, SEMI-RECESSED OTHERWISE. SECURE TO SOLID SUPPORT. F.E. SIZE AND SPACING SHALL BE PER CODE REQUIREMENTS OF RESPECTIVE OCCUPANCIES, AND AS DIRECTED BY THE LOCAL FIRE DEPARTMENT OFFICIAL. SEE FIRE PROTECTION (FP) FLOOR PLANS FOR FIRE EXTINGUISHER CABINET (FEC) LOCATIONS, AND DETAIL ON LIFE SAFETY / ADA STANDARD SHEET FOR MOUNTING HEIGHTS.
- E. REFER TO ELECTRICAL DRAWINGS FOR EXIT SIGN MOUNTING, ORIENTATION AND DIRECTIONAL ARROW INFORMATION.
- F. TACTILE EXIT SIGNAGE WITH 18"X18" CLEAR SPACE CENTERED ON TACTILE CHARACTERS, SEE DETAIL ON LIFE SAFETY / ADA STANDARD SHEET, FOR MOUNTING LOCATIONS.
- G. ANY ALTERATIONS TO THE FIRE PROTECTION SYSTEM SHALL BE A PERFORMANCE BASED DESIGN AND WILL NOT INCLUDE HYDRAULIC CALCULATIONS. THE FINAL DESIGN AND SPECIFICATIONS OF THE FIRE SUPRESSION SYSTEM ALTERATIONS SHALL BE PROVIDED BY A QUALIFIED ENGINEER AS A DELEGATED DESIGN. THE OWNER'S / GC'S FIRE SUPRESSION CONTRACTOR IS RESPONSIBLE FOR ALL DOCUMENTATION OF THE FIRE SUPRESSION SYSTEM AND OBTAINING PERMITS.

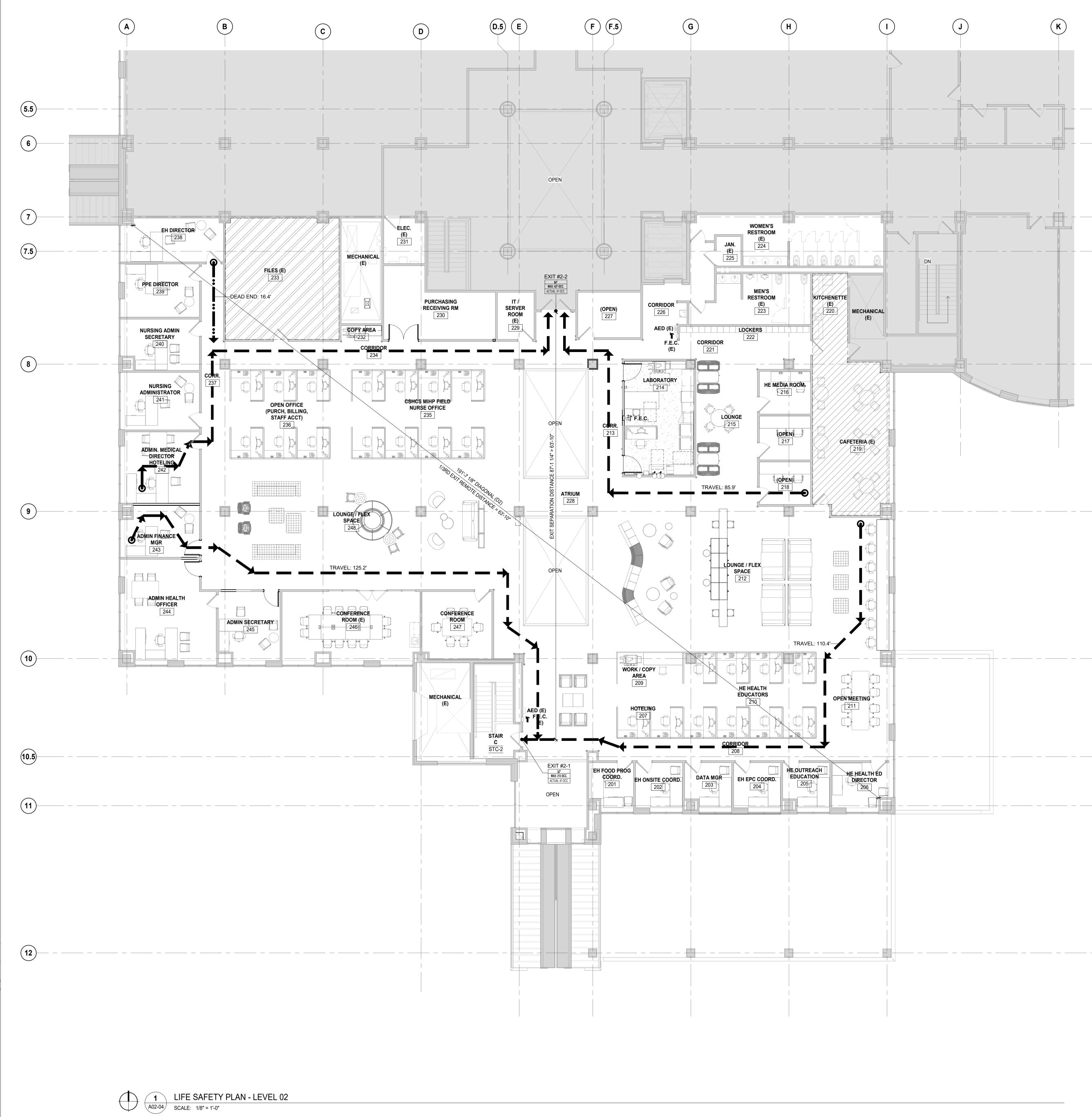
# LIFE SAFETY PLAN LEGEND

FIRE RATINGS \_\_\_\_\_ EXTERIOR WALL/ STRUCTURE - 0-HR LOAD BEARING \_\_\_\_\_ 1 HOUR RATING - UL U904 **——** — **—** — **—** — **—** 2 HOUR RATING - UL 3 HOUR RATING - UL \_\_\_\_\_ (2 HR) HOURLY RATING OF WALL OR COLUMN F.E.C. UL-RATED FIRE EXTINGUISHER - SURFACE MOUNTED ON RATED WALLS, SEMI-RECESSED OTHERWISE - (NOTE D) AUTOMATED EXTERNAL DEFIBRILLATOR (AED) CABINET <u>EXITING</u> LOCATION OF BUILDING ENTRANCE AND EXIT 0 MOST REMOTE LOCATION COMMON PATH OF TRAVEL. 100'-0" MAX MAXIMUM TRAVEL DISTANCE TO AN EXIT. 200'-0" MAX DEAD END CORRIDOR LENGTH. 50'-0" MAX G------ $\bigotimes$ ILLUMINATED EXIT SIGN - (NOTE E) 18" CLR X CLR TACTILE EXIT SIGNAGE - (NOTE F) <u>EXIT KEY:</u> -EGRESS TYPE IDENTIFIER, STAIR OR EXIT DOOR CLEAR WIDTH IN INCHES FXIT -MAX. ALLOWED EXIT CAPACITY. STAIR (PER IBC 1005.3.1) = 0.2"; W/ SPRINKLERS & EMERGENCY MAX: XX OCC DOOR (PER IBC 1005.3.2) = 0.15"; W/ SPRINKLERS & EMERGENCY ACTUAL CODE CALCULATED OCCUPANT LOAD

# LIFE SAFETY PLAN OCCUPANCY

OCCUPANCY TYPES											
	INDICATES - 'B' BUSINESS ENCLOSED OFFICES, OPEN OFFICE AREA	(100 GSF/OCC.)									
	INDICATES - 'A-2' ASSEMBLY - UNCONCENTRATED LUNCH AREA	(15 GSF/OCC.)									
	INDICATES - 'A3' ASSEMBLY - CONCENTRATED WAITING AREAS, AUDITORIUM, CONFERENCE	(7 GSF/OCC.)									
	INDICATES - 'S-2' STORAGE STORAGE AREAS	(300 GSF/OCC.)									
10	OCCUPANT COUNT OF SPACE										
	EXITING OCCUPANT COUNT										





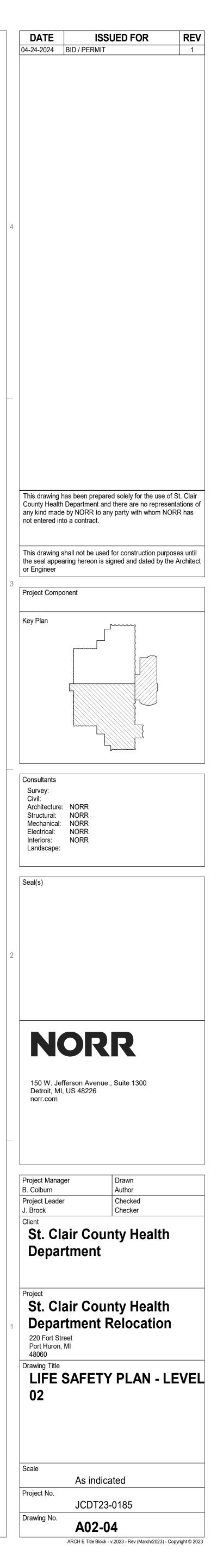
# GENERAL NOTES - LIFE SAFETY PLAN

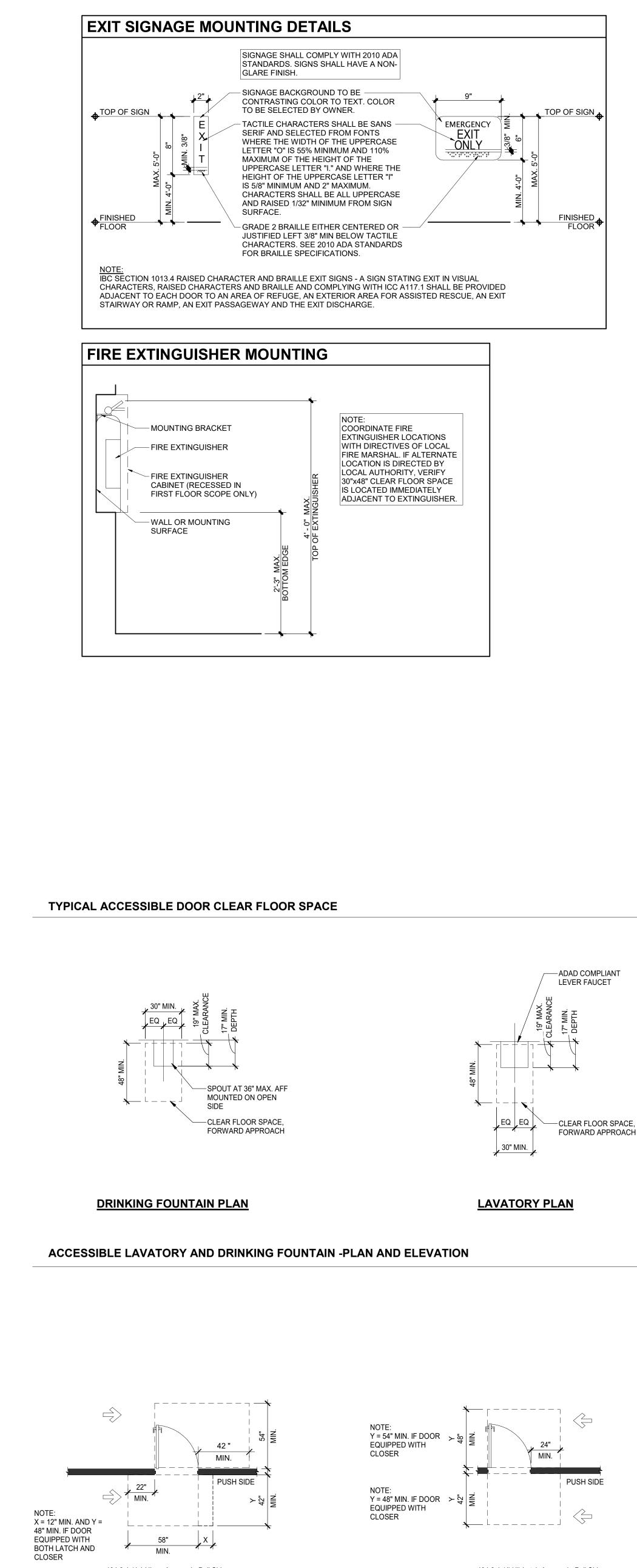
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# LIFE SAFETY PLAN LEGEND

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LIFE SAFETY PLAN OCCUPANCY										
OCCUPANCY TYPES										
	INDICATES - 'B' BUSINESS ENCLOSED OFFICES, OPEN OFFICE AREA	(100 GSF/OCC.)								
	INDICATES - 'A-2' ASSEMBLY - UNCONCENTRATED LUNCH AREA	(15 GSF/OCC.)								
	INDICATES - 'A3' ASSEMBLY - CONCENTRATED WAITING AREAS, AUDITORIUM, CONFERENCE	(7 GSF/OCC.)								
	INDICATES - 'S-2' STORAGE STORAGE AREAS	(300 GSF/OCC.)								
10	OCCUPANT COUNT OF SPACE									
	EXITING OCCUPANT COUNT									



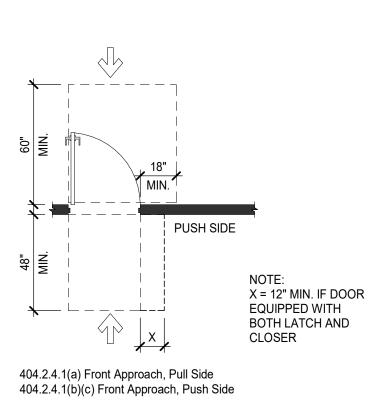


404.2.4.1(e) Hinge Approach, Pull Side 404.2.4.1(f)(g) Hinge Approach, Push Side

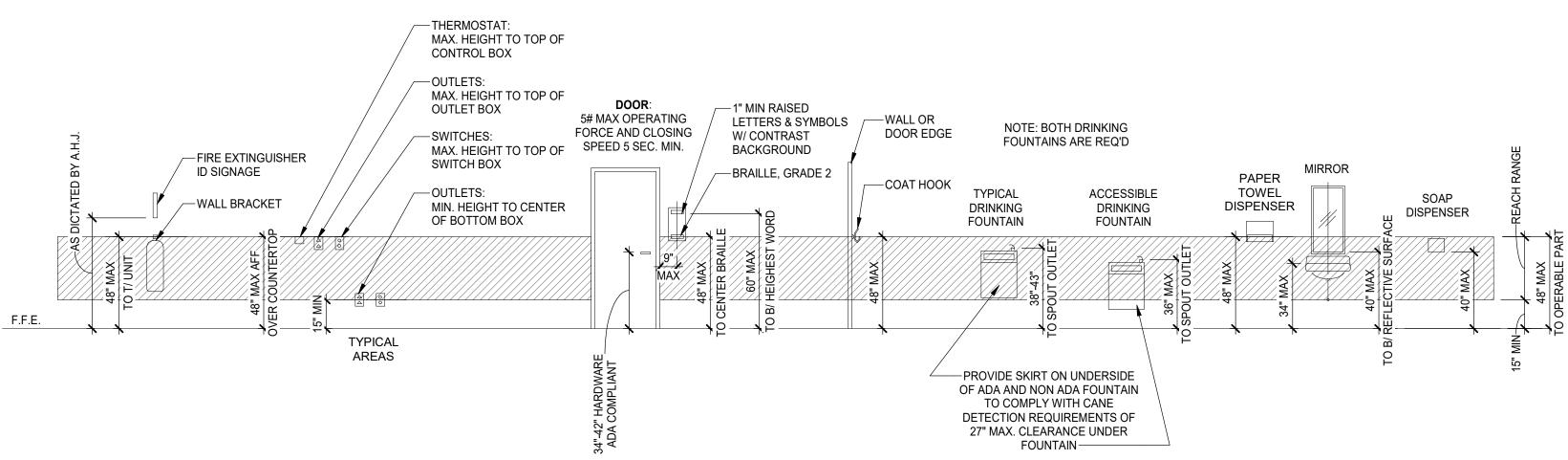
HINGE SIDE APPROACHES SWINGING DOORS

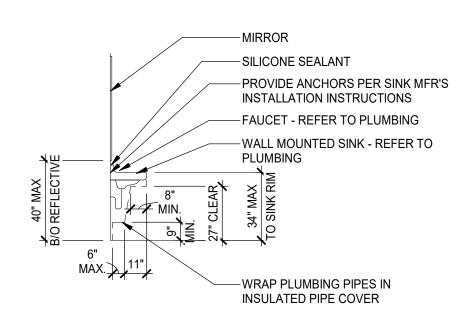


LATCH SIDE APPROACHES SWINGING DOORS

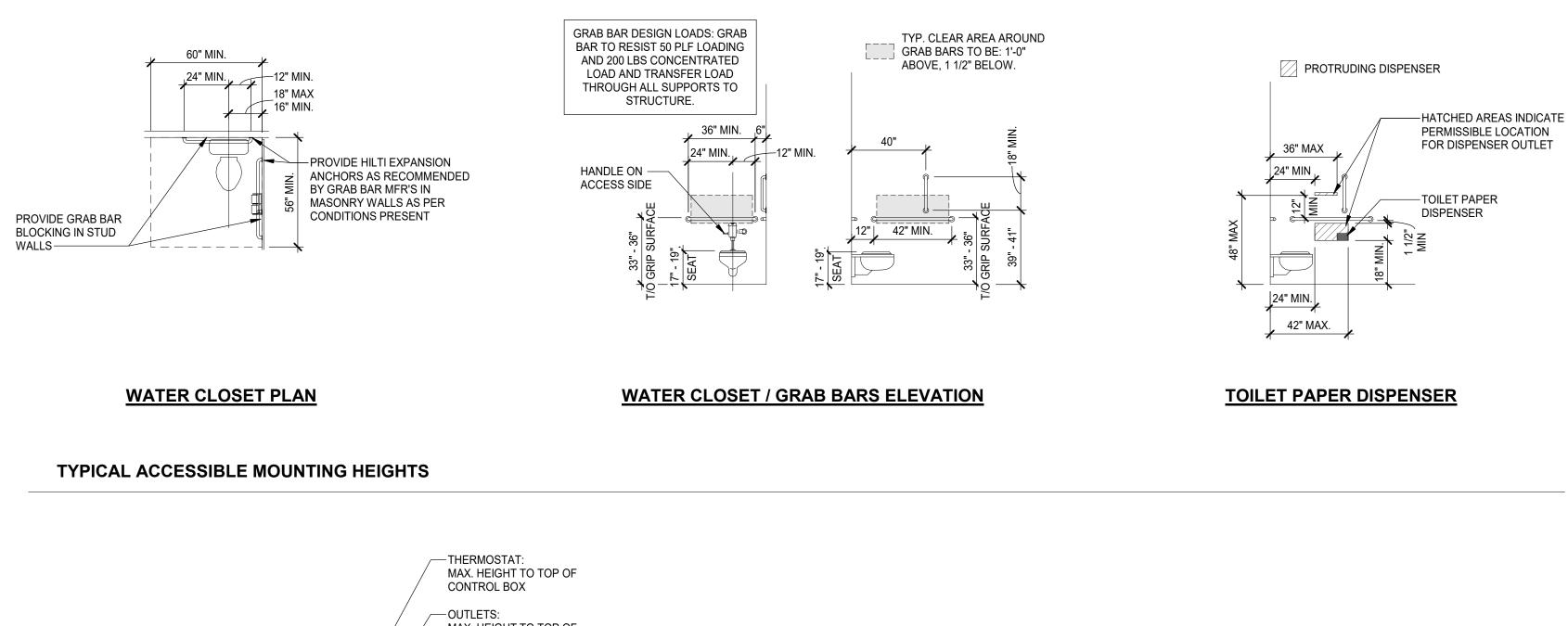


GENERAL NOTE: FIXTURE AND ACCESSORY MOUNTING DIMENSIONS SHALL COMPLY WITH BOTH ADA AND ANSI-A117-1 STANDARDS FOR ACCESSIBILITY.





LAVATORY ELEVATION

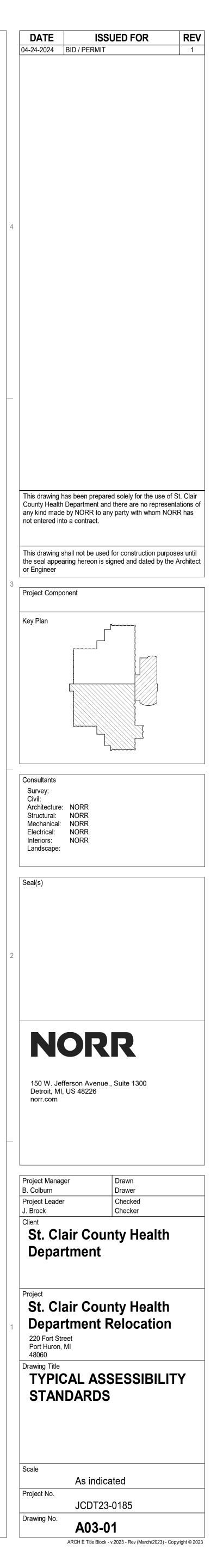


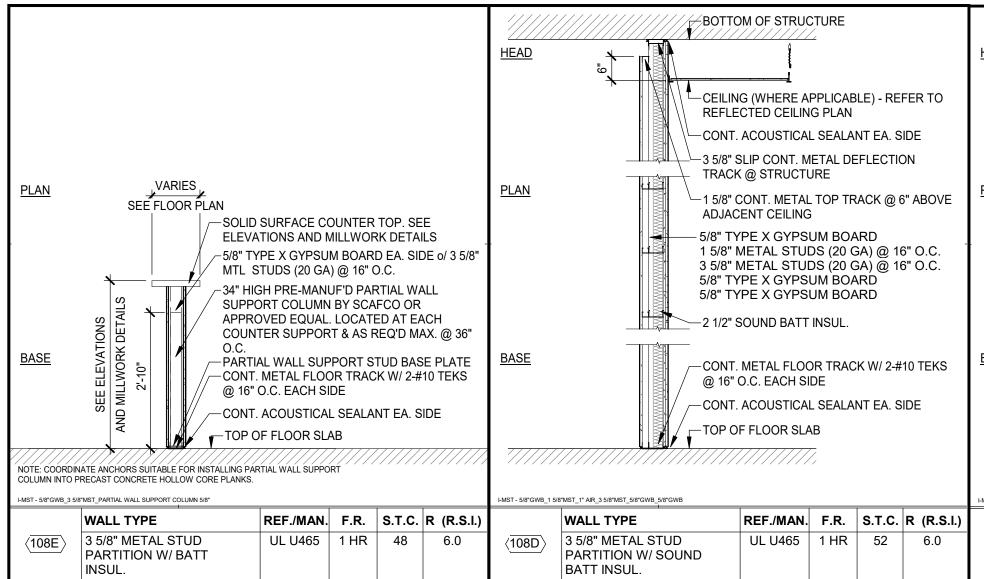
# ACCESSIBLE WATER CLOSET -PLAN AND ELEVATIONS

ACCESSIBILIY NOTES

- 1. FLOOR SURFACES SPECIFIED ARE SLIP-RESISTANT. 2. ABRUPT CHANGES IN LEVEL ALONG ACCESSIBLE ROUTE DO NOT EXCEED 1/2" IN HEIGHT. CHANGES BETWEEN 1/4" AND 1/2" ARE BEVELED WITH A SLOPE NO STEEPER
- THAN 1:2. 3. LATCHING AND LOCKING DOORS ARE SPECIFIED TO BE OPERABLE WITH A SINGLE EFFORT BY HARDWARE THAT DOES NOT REQUIRE TIGHT GRASPING, PINCHING OR
- TWISTING OF THE WRIST. DOOR OPENING HARDWARE IS SPECIFIED TO BE MOUNTED BETWEEN 34" AND 44" ABOVE FLOOR FINISH PER ICC A117.1, 404.2.7. 4. CLOSERS FOR FIRE-RATED DOORS ARE SPECIFIED TO BE POWER LEVEL 3 FOR
- INTERIOR DOORS 38" OR LESS IN WIDTH. 5. MAXIMUM PULL OR PUSH EFFORT TO OPERATE NON-FIRE-RATED DOORS SHALL NOT EXCEED 5 POUNDS, MEASURED AT RIGHT ANGLES TO HINGED DOORS AND AT
- CENTER PLANE OF SLIDING OR FOLDING DOORS. SPECIFIED CLOSERS TO BE ADJUSTED TO COMPLY, PER ICC A117.1, 404.2.9 6. ALL DOORS ARE SPECIFIED TO BE NOT LESS THAN 3'-0" IN WIDTH AND NOT LESS THAN
- 6'-8" IN HEIGHT. DOORS ARE CAPABLE OF OPENING AT LEAST 90 DEGREES AND CLEAR WIDTH IS NOT LESS THAN 32". 7. FLOOR AREAS ON EACH SIDE OF DOORS ARE SPECIFIED TO BE LEVEL AND CLEAR. THE DIMENSIONS OF THE LEVEL AREAS ARE SPECIFIED TO MEET CLEARANCES
- REQUIRED BY ICC A117.1, 404.2.4.1. 8. FLOOR AREAS ON EACH SIDE OF DOORS ARE SPECIFIED TO BE NOT MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGE IN LEVEL BETWEEN 1/4"
- AND 1/2" IS SPECIFIED TO BE BEVELED WITH A SLOPE NO STEEPER THAN 1:2. 9. OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS (22.2 N) MAXIMUM. PER ICC A117.1, 309.4
- 10. TOILET ROOM ACCESSORIES A. BOTTOM OF MIRROR REFLECTIVE SURFACE IS SPECIFIED TO BE NO HIGHER THAN 40" FROM THE FLOOR. B. WHERE THE TOILET TISSUE DISPENSER IS LOCATED ABOVE THE GRAB BAR, THE
- OUTLET OF THE DISPENSER SHALL BE LOCATED WITHIN AN AREA 24" MIN AND 36" MAX FROM THE REAR WALL. WHERE THE DISPENSER IS LOCATED BELOW THE GRAB BAR, THE OUTLET OF THE DISPENSER SHALL BE LOCATED WITHIN AN AREA 24" MIN AND 42" MAX FROM THE REAR WALL. THE OUTLET OF THE DISPENSER SHALL BE LOCATED 18" MIN AND 48" MAX A.F.F. PER ICC A117.1, 604.7. a. EXCEPTION: TOILET PAPER DISPENSERS THAT ACCOMMODATE A MAX OF 2
- TOILET PAPER ROLLS OF NOT MORE THAN 5" DIAMETER EACH SHALL BE PERMITTED TO BE LOCATED 7" MIN AND 9" MAX IN FRONT OF THE WATER CLOSET MEASURED TO THE CENTERLINE OF THE DISPENSER. THE OUTLET OF THE DISPENSER SHALL BE 15" MIN AND 48" MAX A.F.F. C. SANITARY WASTE AT THE ACCESSIBLE STALL IS 19" MAX TO THE TOP OF THE OUTLET AND MOUNTED BELOW THE GRAB BAR BEHIND TOILET PAPER
- DISPENSER. 11. THE HEIGHT OF THE WATER CLOSET (TOP OF SEAT) IS BETWEEN 17" AND 19". 12. URINAL FLUSH CONTROLS ARE MOUNTED NO MORE THAN 44" ABOVE THE FLOOR 13. GRAB BARS ARE PROVIDED IN COMPLIANCE WITH ICC A117.1, 609. A. GRAB BARS TO BE 33"-36" A.F.F. TO TOP OF GRIPPING SURFACE PER ICC A117.1,
- 609.4. 1-1/2" MIN CLEAR SHALL BE PROVIDED BETWEEN THE UNDERSIDE OF THE GRAB BAR AND ANY OBSTRUCTIONS, INCLUDING THE TOILET TANK/FLUSH VALVE; 12" CLEAR PROVIDED BETWEEN THE TOP OF THE GRAB BAR & ANY OBSTRUCTIONS, INCLUDING SEAT COVER DISPENSER, PER ICC A117.1, 609.3.
- B. A VERTICAL GRAB BAR 18" MIN IN LENGTH SHALL BE MOUNTED TO THE SIDE WALL WITH THE BOTTOM OF THE BAR LOCATED 39" MIN AND 41" MAX A.F.F. PER ICC A117.1, 604.5.1. DIAMETER OF GRAB BARS TO BE 1-1/4" TO 1-1/2"
- PROVIDE 1-1/2" CLEARANCE BETWEEN GRAB BARS AND WALL. E. GRAB BARS (INCLUDING CONNECTORS, FASTENERS, SUPPORT BACKING, ETC.)
- SHALL SUPPORT A 250-POUND LOAD. . GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS. G. GRAB BARS AND ANY ADJACENT SURFACE SHALL BE FREE OF SHARP OR
- ABRASIVE ELEMENTS. H. EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8"14. CLEAR FLOOR SPACE 30" x 48"
- IS PROVIDED IN FRONT OF LAVATORY TO PERMIT A FORWARD APPROACH. VERTICAL GRAB BAR 18 INCHES MINIMUM IN LENGTH SHALL BE MOUNTED WITH THE BOTTOM OF THE BAR LOCATED 39 INCHES MINIMUM AND 41 INCHES MAXIMUM ABOVE THE FLOOR, AND WITH THE CENTER LINE OF THE BAR LOCATED 39 INCHES MINIMUM AND 41 INCHES MAXIMUM FROM THE REAR WALL. 14. SINKS AND LAVATORIES ARE MOUNTED TO COMPLY WITH KNEESPACE
- REQUIREMENTS OF ICC A117.1, 306. 15. FAUCET CONTROLS AND OPERATING MECHANISMS ARE TO BE OPERABLE WITH ONE HAND AND NOT REQUIRED TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL NOT BE GREATER THAN 5 POUNDS. SELF CLOSING CONTROLS ARE TO REMAIN OPEN FOR AT LEAST 10
- SECONDS. 16. HOT AND COLD WATER AND DRAIN PIPES UNDER LAVATORIES ARE INSULATED OR OTHERWISE COVERED. 17. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.
- 18. PUBLIC ACCOMMODATIONS SHALL MAINTAIN IN OPERABLE WORKING CONDITION THOSE FEATURES OF FACILITIES AND EQUIPMENT THAT ARE REQUIRED TO BE ACCESSIBLE TO AND USEABLE BY PERSONS WITH DISABILITIES. ISOLATED OR TEMPORARY INTERRUPTIONS IN SERVICE OR ACCESSIBILITY DUE TO MAINTENANCE OR REPAIRS SHALL BE PERMITTED.

CONTACT ARCHITECT, AS REQUIRED, IF FIELD CONDITIONS PROHIBIT ANY PARTICULAR ITEM BEING MOUNTEDPER DIMENSIONS SHOWN.

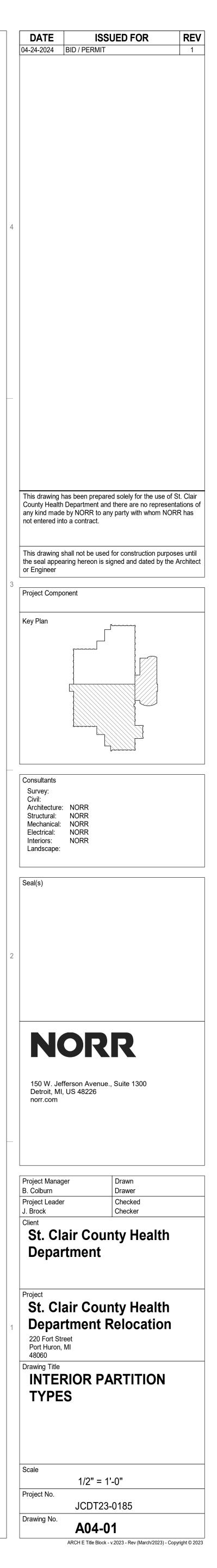




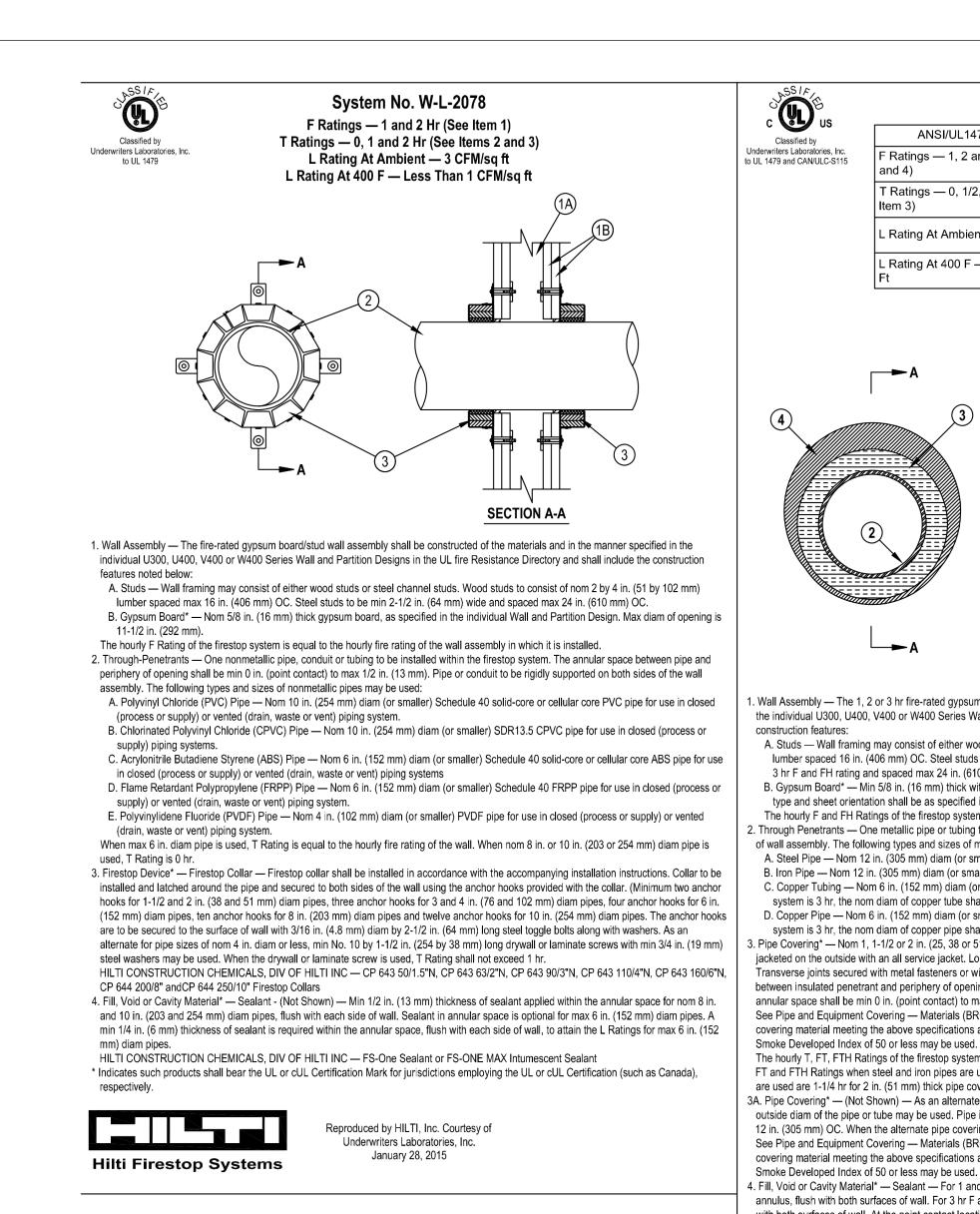
						/						. /		
						HEAD	<u> </u>	-BOTTOM OF STRUC				HEAD	//////////////////////////////////////	BOTTOM O
								-CEILING (WHERE AF REFLECTED CEILING -CONT. ACOUSTICAL -3 5/8" SLIP CONT. M	G PLAN . SEALANT E	EA. SIE	DE			CEILING (W REFLECTE CONT. ACC
						<u>PLAN</u>		TRACK @ STRUCTU - 3 5/8" METAL STUI 5/8" GYPSUM BOA - 3 1/2" BATT INSULAT	RE DS @ 16" O RD	0.C.	-	<u>PLAN</u>		<ul> <li>TRACK @ S</li> <li>2 1/2" MET</li> <li>5/8" GYPS</li> <li>2 1/2" BATT</li> </ul>
						BASE		PLANS) -EXISTING WALL COI APPLICABLE) -CONT. METAL FLOC @ 16" O.C. EACH SII	R TRACK W		,	BASE		PLANS) — EXISTING V APPLICABL — — — — — — — — — — — — —
						IF-MST - 3 5/8"MST		-CONT. ACOUSTICAL		EA. SIE	DE	IF-MST - 2 1/2"MST_		-CONT. ACC
						$\langle IF05 \rangle$	WALL TYPE 3 5/8" METAL STUD FURRING	REF./MAN.		<b>T.C. F</b> 34	R (R.S.I.)	$\langle IF04 \rangle$	WALL TYPE 2 1/2" METAL STUE FURRING	D REI
		OM OF STRUE	/_	3LE) - RE	FER TO	<u>/////////////////////////////////////</u>		-BOTTOM OF STRUC	~ _	- REF	ER TO	<u>HEAD</u>		BOTTOM O
<u>PLAN</u>	CONT	ECTED CEILIN . ACOUSTICA SLIP CONT. N K @ STRUCT	AL SEALA METAL DE	NT EA. S		<u>PLAN</u>	4 7/8"	REFLECTED CEILING -CONT. ACOUSTICAL -3 5/8" SLIP CONT. MI TRACK @ STRUCTU	. SEALANT E ETAL DEFLE			<u>PLAN</u>	5 1/2"	REFLECTE CONT. ACC 3 5/8" SLIP TRACK @ S
	5/8" G 3 5/8" 5/8" G	GYPSUM BO/ ' METAL STU GYPSUM BO/ GYPSUM BO/	JDS (20 ARD	GA) @ 2	24" O.C.			- 5/8" TYPE X GYPS 3 5/8" METAL STUI 5/8" ACOUSTIC GY -3 1/2" SOUND BATT	DS (20 GA) ⁄PSUM BOA	@ 16	" O.C			<ul> <li>5/8" TYPE</li> <li>3 5/8" MET</li> <li>5/8" TYPE</li> <li>5/8" TYPE</li> <li>2 1/2" SOUN</li> </ul>
BASE	@ 16" CONT	. METAL FLOO O.C. EACH S ACOUSTICA DF FLOOR SL	IDE AL SEALA			<u>BASE</u>		-CONT. METAL FLOO @ 16" O.C. EACH SII -CONT. ACOUSTICAL -TOP OF FLOOR SLA	DE . SEALANT E			BASE		CONT. MET @ 16" O.C. CONT. ACC
I-MST - 5/8"GWB_3	5/8"MST_5/8"GWB_5/8"GWB		7. 				3 5/8"MST_5/8"Sound GWB	·/////////////////////////////////////				I-MST - 5/8"GWB_3	5/8"MST_5/8"GWB_5/8"GWB SOUND	
$\langle 108F \rangle$	WALL TYPE 3 5/8" METAL STUD PARTITION	REF./MAN. UL U465	. <b>F.R.</b> 1 HR	<b>S.T.C.</b>	<b>R (R.S.I.)</b> 6.0	(108A)	WALL TYPE 3 5/8" METAL STUD PARTITION W/ BATT INSUL.	UL U465		<b>T.C. F</b> 48	<b>R (R.S.I.)</b> 6.0	$\langle 108S \rangle$	3 5/8" METAL STUE PARTITION W/ SOU BATT INSUL.	
						 <u>HEAD</u>		BOTTOM OF STRUC	2	- REF	ER TO	<u></u> <u>HEAD</u>		BOTTOM O
						<u>PLAN</u>		REFLECTED CEILING -CONT. ACOUSTICAL -3 5/8" SLIP CONT. MI TRACK @ STRUCTU	G PLAN . SEALANT E ETAL DEFLE	EA. SIE	DE	<u>PLAN</u>		CONT. FIRE 
								- 5/8" TYPE C GYPS 6" METAL STUDS ( 1/2" MTL RESILIEN 5/8" TYPE C GYPS -6" SOUND BATT INS	(20 GA) @ 1 T CHANNE UM BOARE	16" O. EL @ 2				- 5/2" MTL F 6" MTL. ST 5/8" TYPE 5/8" TYPE 
						BASE		-CONT. METAL FLOC @ 16" O.C. EACH SII -CONT. ACOUSTICAL -TOP OF FLOOR SLA	DE . SEALANT E			BASE		CONT. MET @ 16" O.C. CONT. ACC TOP OF FL
						I-MST - 5/8"GWB_6	5"MST_1/2"RC_5/8"GWB Sound Insul		///			I-MST - 5/8"GWB_1/;	/2"RC_6"MST_5/8"GWB_5/8"GWB SOUND WA	4LL
							WALL TYPE 6" METAL STUD PARTITION W/ SOUNI BATT INSUL.	REF./MAN. UL U465		<b>T.C. F</b> 53	<b>R (R.S.I.)</b> 10.0	(109S)	WALL TYPE 6" METAL STUD PARTITION	REI UL

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-			<u>PLAN</u>	-							JGE STUD CLIP @	) 48" O.C. \	VERT.
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			IF-MST - 1 5/8"MST_5	5/8"GWB				IF-MST - 7/8"MFC_5/8"	'GWB				
REF./MAN. F.R. S.T	Г.С. R (I	R.S.I.)		WALL TYPE	REF./MAN.	F.R. S.T	.C. R (R.S.I.)		WALL TYPE		REF./MAN. F.	R. S.T.C	C. R (R.S.I.)
			$\langle IF03 \rangle$	1 5/8" METAL STUD FURRING				$\langle IF02 \rangle$	7/8" HAT CHANE FURRING	EL			
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OUND BATT INSUL.				3 1/2"	BATT INSULAT	ION			ŀ				
										-1			
IETAL FLOOR TRACK W/	// 2-#10 TE	KS	BASE	CONT	. METAL FLOOF	R TRACK W/	2-#10 TEKS	BASE		CONT.	METAL FLOOR T	RACK W/ 2	2-#10 TEKS
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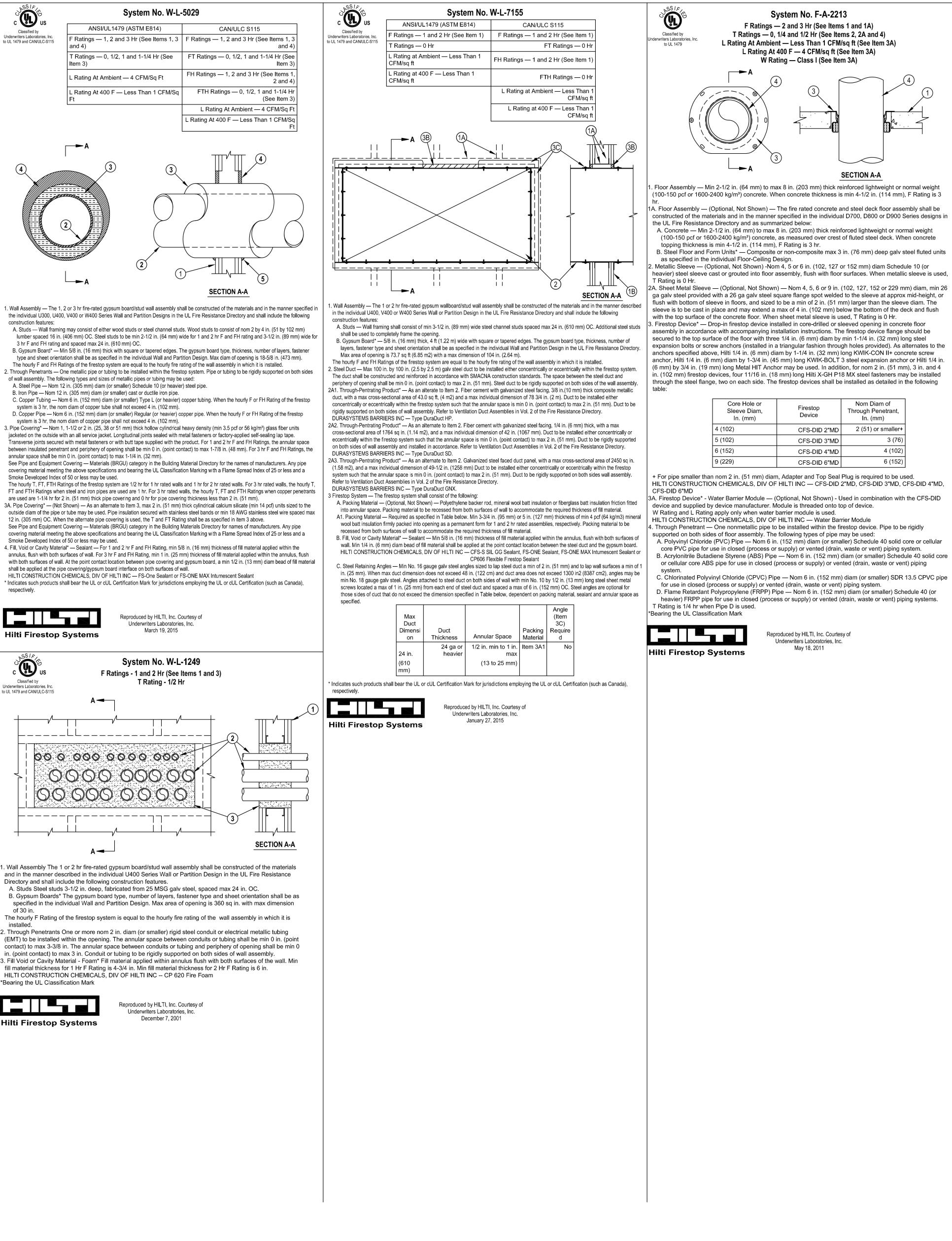


respectively.

Classified by

derwriters Laboratories. Inc o UL 1479 and CAN/ULC-S115

installed



Core Hole or Sleeve Diam, In. (mm)	Firestop Device	Nom Diam of Through Penetrant, In. (mm)
4 (102)	CFS-DID 2"MD	2 (51) or smaller+
5 (102)	CFS-DID 3"MD	3 (76)
6 (152)	CFS-DID 4"MD	4 (102)
9 (229)	CFS-DID 6"MD	6 (152)

# Notes:

- Refer to section 15084 of the specifications. For Quality Control requirements, refer to the Quality Control portion of the specification.
- 2. Details shown are typical details. If field conditions do not match requirements of typical details, approved alternate details shall be utilized. Field conditions and dimensions need to be verified for compliance with the details, including but not limited to the following:
- \* Minimum and maximum Width of Joints
- \* Type and thickness of fire-rated construction. The minimum assembly rating of the firestop assembly shall meet or exceed the highest rating of the adjacent construction.
- If alternate details matching the field conditions are not available, manufacturer's engineering judgment drawings are acceptable. Drawings shall follow the International Firestop Council (IFC) Guidelines for Evaluating Firestop Systems Engineering Judgments.

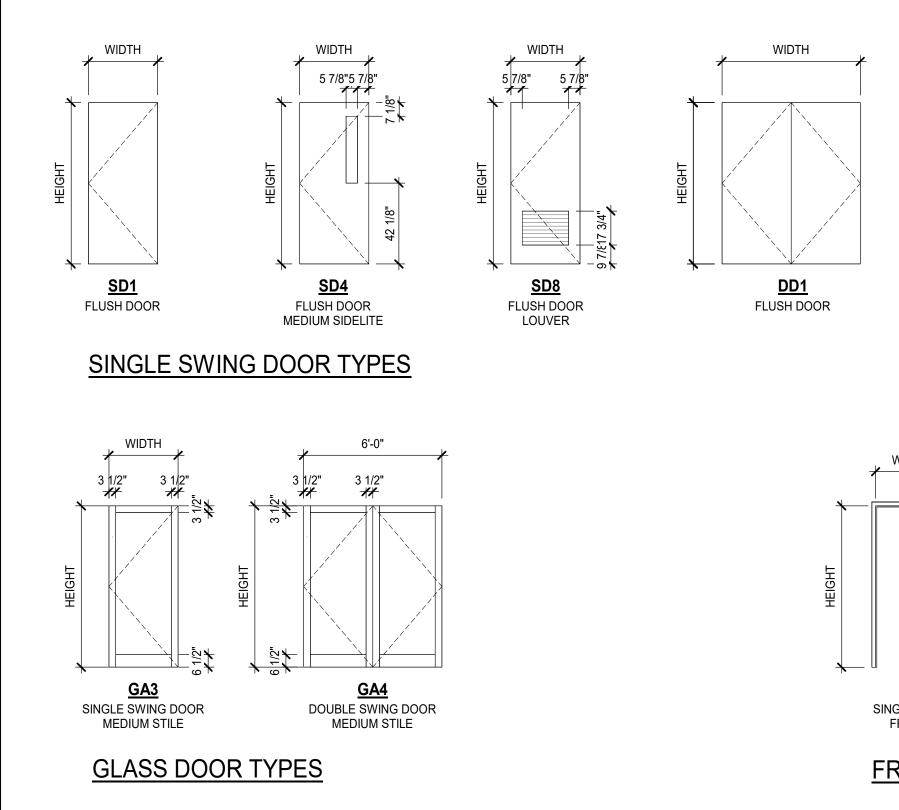
4. References

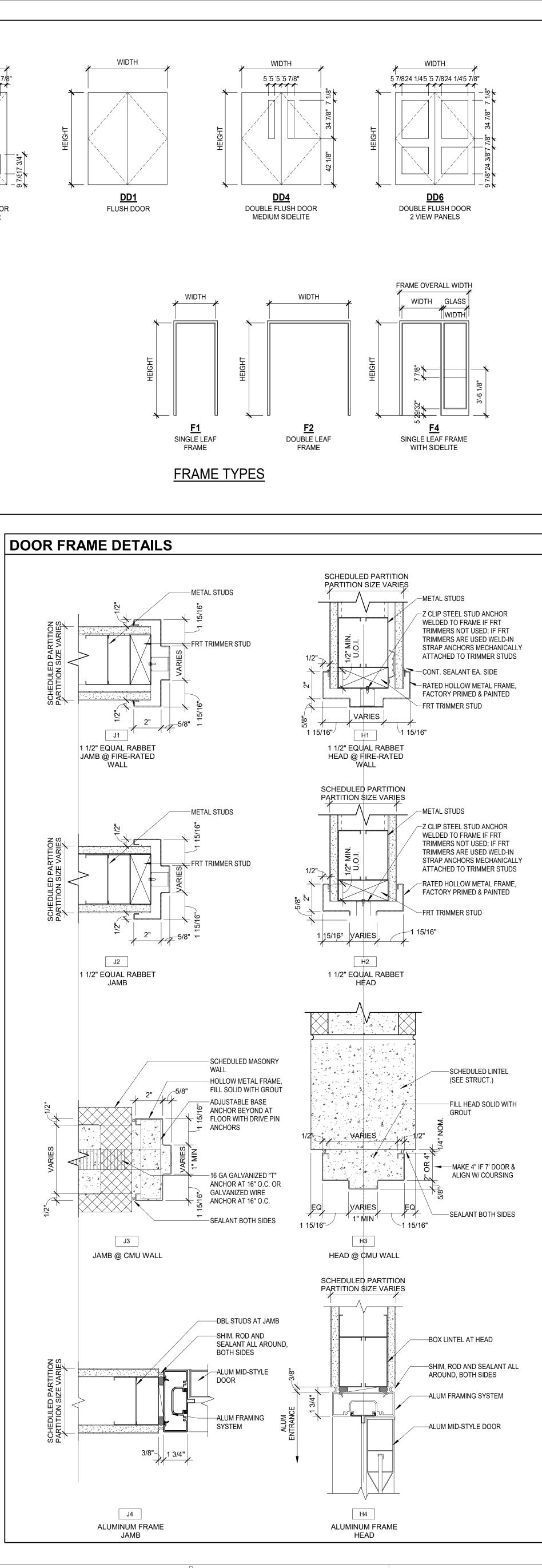
- \* 2013 Underwriter's Laboratories Fire Resistance Directory, Volume 2
- \* NFPA 101 Life Safety Code
- \* All governing local and regional building codes
- 5. Firestop System installation must meet requirements of ASTM E-814 (UL 1479) tested assemblies that provide a fire rating equal to that of construction being penetrated.
- 6. All rated through-penetrations shall be prominently labeled with the following information:
- \* ATTENTION: Fire Rated Assembly
- \* UL System #
- \* Product(s) used
- \* Hourly Rating (F-Rating)
- \* Installation Date

**ISSUED FOR** REV DATE 04-24-2024 BID / PERMIT This drawing has been prepared solely for the use of St. Clair County Health Department and there are no representations of any kind made by NORR to any party with whom NORR has not entered into a contract. This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer **Project Component** Key Plan Consultants Survey: Civil: Architecture: NORR Structural: NORR Mechanical: NORR Electrical: NORR Interiors: NORR Landscape: Seal(s) NORR 150 W. Jefferson Avenue., Suite 1300 Detroit, MI, US 48226 norr com Project Manager Drawn B. Colburn Drawer Project Leader Checked J. Brock Checker St. Clair County Health Department St. Clair County Health **Department Relocation** 220 Fort Street Port Huron, MI 48060 Drawing Title **TYPICAL FIRE STOPPING** DETAILS Project No JCDT23-0185 Drawing No. A04-02 ARCH E Title Block - v.2023 - Rev (March/2023) - Copyright © 2023

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# DOOR FRAME TYPES





sk Docs//St Clair County Health Denartment Relocation/ICD123-0185\_ARi\_StClairCnt/HealthDen\_nt

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			DOOF	R PARAME	ETERS				FRAM	E PARAM	IETERS			OPENING PA	RAMETERS	6	OPENING PARAMET ERS	
DOOR	DIN	IENSIONS	6	DOOR		GLASS		FRAME		DETAIL	GLASS		OPENING	ACOUSTIC	OPENING ACCESS		HDWR	
NO. LEVEL 1	WIDTH		ТНК	TYPE	MATL	TYPE	FINISH	TYPE	MATL	NO.	TYPE	FINISH	FRR	RATING	CONTROL	CLOSER	GROUP	COMMENTS
100A 100B 102	3'-1" 3'-1" 3'-6"	7'-0" 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4"	- - SD4	- - SCW	- - CLR	- - STAIN	F1	- - STL	J1/H1	-	- - PTD			Yes	Yes	- - 13.0	EXISTING STOREFRONT DOOR & FRAME EXISTING STOREFRONT DOOR & FRAME 1, 2, 6
102 103 104	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	SD1 SD1 SD1	SCW SCW	-	STAIN STAIN	F1 F1	STL STL	J1/H1 J1/H1	-	PTD PTD			No	No	3.0 3.0	2 2
106A 106B	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	-	-	-	-		-		-	-					-	EXISTING STOREFRONT DOOR & FRAME EXISTING STOREFRONT DOOR & FRAME
108 109 110	3'-0" 3'-0" 3'-0"	7'-0" 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4"	SD1 SD1 SD1	-	-	-	-	-		-	PTD PTD PTD						3 3 3
111 112	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	SD1 SD1	-	-	-	-	-		-	PTD PTD			Yes	Yes	- 18.0	3 1,3
114 115 116A	3'-0" 3'-0" 3'-6"	7'-0" 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4"	SD1 SD1 SD1	SCW - SCW	-	STAIN - STAIN	F1 - F1	STL - STL	J1/H1 J1/H1 J3/H3	-	PTD PTD PTD			Yes	Yes	3.0 - 9.0	2 7 1.2
116A 116B 117	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	- SD4		-		-		J1/H1	-	PTD PTD PTD			165	Tes		1, 2 3 7
118 119	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	SD4 SD1	- SCW	-	- STAIN	- F1	- STL	J1/H1 J1/H1	-	PTD PTD					- 5.0	7 2
120A 120B 121	3'-0" 3'-0" 3'-0"	7'-0" 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4"	SD1 SD1 SD1	- - SCW	-	- - STAIN	- - F1	- - STL	J1/H1 J1/H1 J1/H1	-	PTD PTD PTD					- - 5.0	7 7 2
121 123 124	3'-6" 3'-6"	7'-0" 7'-0"	1 3/4" 1 3/4"	SD1 SD1	SCW SCW SCW	-	STAIN STAIN STAIN	F1 F1 F1	STL STL STL	J1/H1 J1/H1	-	PTD PTD PTD		45 STC 45 STC			7.0	2 2
125 126	3'-6" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	SD1 SD1	SCW -	-	STAIN -	F1 -	STL -	J1/H1 J1/H1	-	PTD PTD		45 STC	Yes	Yes	7.0	2 7
127 128	3'-0" 3'-0"	7'-0" 7'-0" 7' 0"	1 3/4" 1 3/4"	SD4 SD4	-	-	-	-	-		-	PTD PTD					-	3 3 EXISTING STOREEDONT DOOD & EDAME
130A 130B 131	3'-0" 3'-0" 3'-0"	7'-0" 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4"	- - SD1	- - -	- - -	- - -	-	-	J1/H1	-	- - PTD					-	EXISTING STOREFRONT DOOR & FRAME EXISTING STOREFRONT DOOR & FRAME 7
137 139	3'-0" 3'-6"	7'-0" 7'-0"	1 3/4" 1 3/4"	SD1 SD1	SCW SCW	-	STAIN STAIN	F1 F1	STL STL	J1/H1 J1/H1	-	PTD PTD		45 STC	Yes	Yes	6.0 7.0	1, 2 2
140 141 142	3'-6" 3'-6" 3'-6"	7'-0" 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4"	SD1 SD1	SCW SCW	-	STAIN STAIN	F1 F1 F1	STL STL	J1/H1 J1/H1	-	PTD PTD PTD		45 STC 45 STC 45 STC			7.0	2 2 2
142 144 145	3'-6" 3'-6" 3'-0"	7'-0" 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4"	SD1 SD1 SD1	SCW SCW	-	STAIN STAIN -	F1 F1 -	STL STL	J1/H1 J2/H2	-	PTD PTD PTD		45 STC				2 2, 8 3
146A 146B	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	SD1 SD1	-	-	-	-	-		-	PTD PTD					-	3 3
147 149	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	SD1 SD1	-	-	-		-		-	PTD PTD				Nia	-	3 3 2
150 151 152	6'-0" 3'-6" 3'-0"	7'-0" 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4"	DD1 SD1 SD1	- SCW SCW	-	- STAIN STAIN	F2 F1 F1	- STL STL	J1/H1 J1/H1	-	PTD PTD PTD				No		3 2, 8 2
153 154	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	SD1 SD1	-	-	-	-	-	J1/H1	-	PTD PTD					-	7 3
156 157	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	SD1 SD1	SCW SCW	-	STAIN STAIN	F1 F1	STL STL	J1/H1	-	PTD PTD					3.0 3.0	2 2
158 160 161	3'-6" 2'-8" 3'-6"	7'-0" 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4"	SD1 SD1 SD1	SCW SCW SCW	-	STAIN STAIN STAIN	F1 F1 F1	STL STL STL	J1/H1 J1/H1 J1/H1	-	PTD PTD PTD		45 STC	Yes	Yes	12.0 7.0 7.0	2 2 2
161 162 163	3'-6" 3'-6"	7'-0" 7'-0"	1 3/4" 1 3/4"	SD1 SD1	SCW SCW	-	STAIN STAIN	F1 F1	STL STL	J1/H1 J1/H1	-	PTD PTD		45 STC 45 STC 45 STC			8.0 7.0	2 2
164 165	3'-6" 3'-6"	7'-0" 7'-0"	1 3/4" 1 3/4"	SD1 SD1	SCW SCW	-	STAIN STAIN	F1 F1	STL STL	J1/H1 J1/H1	-	PTD PTD		45 STC 45 STC			1.0	2 2
172 173 174	3'-0" 3'-6" 3'-0"	7'-0" 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4"	SD1 SD1 SD4	SCW SCW	-	STAIN STAIN	F1 F1	STL STL	J1/H1 J1/H1	-	PTD PTD PTD		45 STC	Yes	Yes	6.0 7.0	1, 2 2 3
175 176	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	SD4 SD4	-	-	-	-	-		-	PTD PTD					-	3 3
177 178	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	SD4 SD4	-	-	-	-	-		-	PTD PTD						3 3
179 180 181	3'-0" 3'-0" 3'-0"	7'-0" 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4"	SD4 SD4 SD4	- - -	-						PTD PTD PTD						3 3 3
182 183	3'-6" 3'-6"	7'-0" 7'-0"	1 3/4" 1 3/4"	SD1 SD1	SCW SCW	-	STAIN STAIN	F1 F1	STL STL	J1/H1	-	PTD PTD		45 STC 45 STC			7.0	2
184 185	3'-6" 3'-6"	7'-0" 7'-0"	1 3/4" 1 3/4"	SD1 SD1	SCW SCW	-	STAIN STAIN	F1 F1	STL STL	J1/H1 J1/H1	-	PTD PTD		45 STC 45 STC			7.0 3.0	2 2
186 187 189	3'-6" 3'-0" 3'-0"	7'-0" 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4"	SD1 SD1 SD4	SCW SCW	-	STAIN STAIN	F1 F1	STL STL	J1/H1 J1/H1 J1/H1	-	PTD PTD PTD		45 STC	Yes	Yes	7.0 15.0	2 2 7
190 191	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	SD4 SD4	-	-	-	-	-	J1/H1 J1/H1	-	PTD PTD					-	7 7 7
192 193	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	SD4 SD4	-	-	-	-	-	J1/H1 J1/H1	-	PTD PTD					-	7 7
LEVEL 2 201 202	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	SD4 SD4	-	-	-	-	-		-	PTD PTD						3 3
203 204	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	SD4 SD4	-	-	-	-	-		-	PTD PTD					-	3 3
205 206	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	SD4 SD4	-	-	-	-	-		-	PTD PTD				~	-	3 3 5
214A 214B 216	3'-6" 3'-6" 3'-0"	7'-0" 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4"	SD1 SD1 SD1	-	-		F1 F1	-		-	PTD PTD PTD			Yes Yes	Yes Yes	14.0 16.0	5 5 3
210 217 218	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4"	SD1 SD1 SD1	-	-	-	-	-		-	PTD PTD PTD					-	3 3
219A 219B	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	SD1 SD1	-	-	-	-	-		-	PTD PTD					-	3 3
223 224 225	3'-0" 3'-0" 3'-0"	7'-0" 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4"	SD1 SD1 SD1		-		-	-		-	PTD PTD PTD						3 3 3
227 228	3'-0" 6'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	SD1 -	-	-	-	-	-		-	PTD PTD				No	-	3 4
229 230	3'-0" 6'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	SD1 DD1	- SCW	-	- STAIN	- F2	- STL	J2/H2	-	PTD PTD					- 2.0	3 2 2
231 233 238	3'-0" 3'-0" 3'-0"	7'-0" 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4"	SD1 SD1 SD4		-	-		-		-	PTD PTD PTD						3 3 3
230 239 240	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4"	SD4 SD4 SD4	-	-	-	-	-		-	PTD PTD PTD					-	4 3
241 242	3'-0" 3'-0"	7'-0" 7'-0"	1 3/4" 1 3/4"	SD4 SD4	-	-	-		- -		-	PTD PTD						3 3
243 244A 244B	3'-0" 3'-0" 2'-8"	7'-0" 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4"	SD1 SD1	SCW SCW	-	STAIN STAIN	F1 F1	STL STL	J2/H2 J2/H2	-	PTD PTD PTD					4.0 4.0	2 2 3
244B 245 246	2'-8" 3'-0" 3'-0"	7'-0" 7'-0" 7'-0"	1 3/4" 1 3/4" 1 3/4"	SD1	- SCW -	-	- STAIN -	F1	- STL -	J2/H2	-	PTD PTD PTD					3.0	2 EXISTING DOOR & FRAME WALL
		I		·		•			_		-	_						

WALL MOUNTED ACCESS CONTROL CARD READER.
 STAIN NEW WOOD DOORS TO MATCH EXISITING DOORS.

3. EXISTING DOOR AND FRAME TO REMAIN.

EXISTING DOUBLE DOOR AND FRAME.
 NEW DOOR & FRAME IN EXISTING / MODIFIED WALL OPENING, V.I.F.

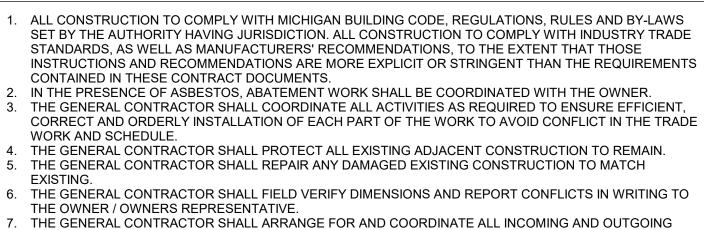
CONTROLLED ACCESS ON PULL SIDE, FREE ACCESS EGRESS.
 RELOCATED EXISTING DOOR, FRAME AND ACCESS CONTROL (IF APPLICABLE).

8. DOOR TO BE UNDERCUT FOR SUPPLY AIR, TYPICAL 3/4".

REV DATE **ISSUED FOR** 04-24-2024 BID / PERMIT 1 This drawing has been prepared solely for the use of St. Clair County Health Department and there are no representations of any kind made by NORR to any party with whom NORR has not entered into a contract. This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer Project Component Key Plan ç..... Consultants Survey: Civil: Architecture: NORR Structural: NORR Mechanical: NORR Electrical: NORR Interiors: NORR Landscape: Seal(s) NORR 150 W. Jefferson Avenue., Suite 1300 Detroit, MI, US 48226 norr.com Project Manager Drawn B. Colburn Drawer Checked Project Leader J. Brock Checker Client St. Clair County Health Department Project St. Clair County Health Department Relocation 220 Fort Street Port Huron, MI 48060 Drawing Title
DOOR SCHEDULE, DOOR & FRAME DETAILS Scale As indicated Project No. JCDT23-0185 Drawing No. A05-01 ARCH E Title Block - v.2023 - Rev (March/2023) - Copyright © 2023





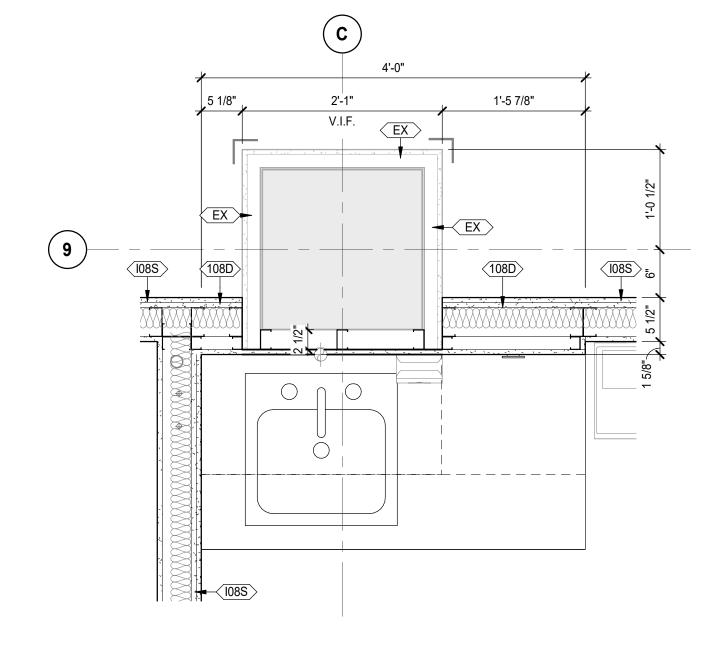


FLOOR PLAN GENERAL NOTES

- MECHANICAL AND ELECTRICAL SERVICES FOR THIS PROJECT. THE AREA OF WORK SHALL BE MAINTAINED IN A SECURED CONDITION AT ALL TIMES. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO SECURE THE AREA OF WORK. 9. VERIFY ALL CONDITIONS AND DIMENSIONS ON SITE PRIOR TO FABRICATION. PROMPTLY NOTIFY THE
- ARCHITECT OF ANY ERRORS OR OMISSIONS. 10. ALL PLAN DIMENSIONS ARE TO FACE OF STUD, FACE OF MASONRY, COLUMN CENTERLINE, OR FACE OF EXISTING WALL, UNLESS OTHERWISE NOTED. 11. NEW CONSTRUCTION PARALLEL TO AND ABUTTING EXISTING TO ALIGN UNLESS OTHERWISE NOTED.
- 12. ALL WALLS, DOORS, AND WINDOWS WITHOUT A SYMBOL DESIGNATION ARE EXISTING TO REMAIN. 13. PROVIDE AND MAINTAIN CONTINUOUS FIRE/SMOKE SEPARATIONS. FIRE STOP ALL SERVICE PENETRATIONS WITH APPROVED AND UL LISTED FIREPROOF SYSTEMS. 4. PROVIDE AND MAINTAIN CONTINUOUS ACOUSTIC BARRIER SYSTEM. AVOID SOUND TRANSMISSION THROUGH DIRECT CONTACT AT ACOUSTICALLY TREATED SURFACES. COMPLETELY SEAL ALL
- PENETRATIONS WITH ACOUSTIC SEALANT, TAPE AND INSULATION AS REQUIRED TO PREVENT SOUND TRANSFER AND MAINTAIN THE REQUIRED STC RATINGS OF THE WALL SYSTEMS. PROVIDE APPROVED ISOLATION METHODS TO ALL NOISE GENERATING AND MOVING EQUIPMENT. 5. ADD SUFFICIENT BLOCKING IN STUD WALLS TO SUPPORT ALL ITEMS OR EQUIPMENT SHOWN OR SPECIFIED TO BE ATTACHED TO WALLS, INCLUDING BUT NOT LIMITED TO: HANDRAILS, GUARDS, LADDERS, MECHANICAL AND ELECTRICAL FIXTURES AND EQUIPMENT, ETC. PROVIDE ADDITIONAL STRUCTURAL SUPPORT (PLATES, ANGLES, CHANNELS, ETC.) WITHIN WALLS WHERE WEIGHT OF ATTACHED ITEMS
- EXCEED WALL CAPACITY. PROVIDE BACKING PLATES OR BLOCKING FOR ANY OWNER FURNISHED OR INSTALLED ITEMS. 16. ALL PARTITION WALLS ARE TO EXTEND AND SEAL AGAINST THE BOTTOM OF STRUCTURE ABOVE UNLESS OTHERWISE NOTED. 17. INSTALL METAL TRIM ON ALL GYPSUM BOARD EDGES ABUTTING OTHER MATERIALS OR WHERE GYP BD STOPS SHORT OF OTHER MATERIALS TO FORM A REVEAL OR RECESS. USE METAL CORNER BEAD ON ALL
- GYPSUM BOARD EXTERIOR CORNERS. 8. ALL DOORS AND WINDOWS REFERENCED ON THE PLANS AND SCHEDULES ARE SHOWN NOMINAL SIZE. CONFIRM AND VERIFY ALL ROUGH OPENING SIZE REQUIREMENTS WITH THE SELECTED PRODUCT MANUFACTURER AND SITE CONDITIONS PRIOR TO FABRICATION. REFER TO MANUFACTURERS INSTALLATION MANUAL.
- 19. ALL INTERIOR DOOR OPENINGS IN STUD FRAMING WALLS TO BE SPACED A MINIMUM OF 4" FROM THE ADJACENT WALL, UNLESS NOTED OTHERWISE. 20. ALL DOOR OPENINGS IN CONCRETE OR CONCRETE BLOCK WALLS TO BE 4" FROM THE ADJACENT WALL (OR FLUSH WITH FACE OF WALL IN TIGHT CONDITIONS), UNLESS NOTED OTHERWISE.
- 21. PROVIDE WALL AND CEILING ACCESS DOORS AS MAY BE REQUIRED BY CODE OR TO PROPERLY SERVICE OR ADJUST ALL VALVES, DAMPERS, CLEAN OUTS, ELECTRICAL JUNCTION BOXES AND OTHER DEVICES. 22. PAINT ALL WALL SURFACES, DOOR FRAMES, BULKHEADS AND CEILINGS IN ROOMS WHERE INDICATED ON PLANS OR ROOM FINISH SCHEDULE. PAINT BEHIND ALL MOVEABLE ITEMS ADJACENT TO WALLS
- RECEIVING PAINT AND RELOCATE ITEMS AS NECESSARY. 23. REFER TO FLOOR AND REFLECTED CEILING PLANS AND MECHANICAL AND ELECTRICAL DRAWINGS FOR SPACE ALLOCATIONS IN ROUTING OF ALL MECHANICAL AND ELECTRICAL WORK INCLUDING DIFFUSERS, REGISTERS, GRILLES, LIGHTS, ETC. THE REFLECTED CEILING PLAN LOCATIONS SHALL BE ADHERED TO UNLESS OTHERWISE NOTED ON DRAWINGS. EXCEPTIONS SHALL REQUIRE SPECIFIC WRITTEN APPROVAL BY THE OWNER'S REPRESENTATIVE OR ARCHITECT/ ENGINEER. NOTE THAT ELECTRIC LIGHT FIXTURE LOCATIONS AND FIRE SPRINKLER HEADS SHALL TAKE PRECEDENCE OVER OTHER UTILITY ITEMS IN ANY AND ALL LOCATIONS FOR AREAS WITH OR WITHOUT CEILINGS; THE CONTRACTOR SHALL COORDINATE AS
- REQUIRED. 4. MECHANICAL LINES ARE NOT TO BE IN CONTACT WITH THE STUD WALLS OR CONCRETE WALL OR FLOOR ASSEMBLIES. ISOLATE ALL PIPES TO AVOID SOUND TRANSMISSION. INSTALL NEOPRENE RUBBER PAD ON TOP OF SUBSTRATE SURFACE (BOTTOM PLATE, CONCRETE ETC.) BEFORE ALL MECHANICAL CLAMPS ARE TIGHTENED INTO PLACE.
- 25. CONFIRM ALL ROUGH OPENING SIZES AND CONNECTION REQUIREMENTS FOR MECHANICAL, ELECTRICAL AND OWNER SUPPLIED EQUIPMENT, ADJUST ROUGH OPENING SIZES TO SUIT. 26. INSTALL & CONNECT OWNER SUPPLIED EQUIPMENT OR APPLIANCES AS DIRECTED, CENTERED, LEVEL AND TRUE.

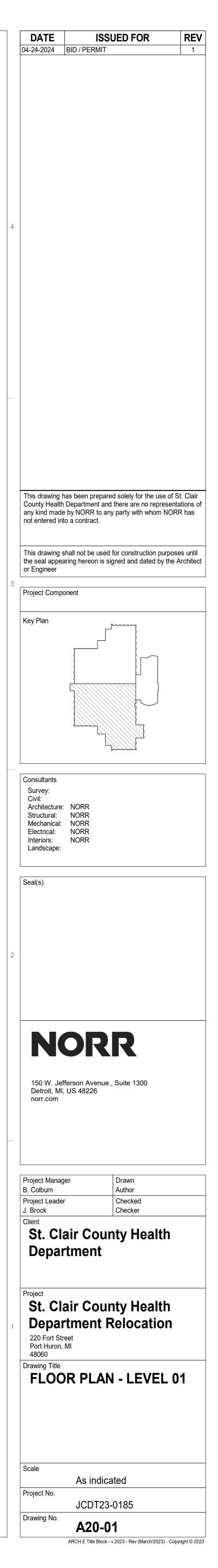
# **ARCHITECTURAL KEYNOTES**

Key Value	Keynote Text
A1	CONSTRUCT NEW WALL AS SHOWN/SCHEDULED. REFER TO WALL TYPES.
A2	INSTALL NEW DOOR AS SHOWN/SCHEDULED. REFER TO DOOR SCHEDULE FOR MORE INFORMATION.
A3	PATCH/REPAIR AND PREP FOR INFILL AS SHOWN/SCHEDULED. ALIGN SURFACE OF NEW WALL WITH EXISTING.
A4	CLEAN, PATCH, AND REPAIR EXISTING SURFACES, EACH SIDE OF WALL. PREP TO RECEIVE NEW FINISH AS SCHEDULED. REFER TO FINISH SCHEDULE FOR MORE INFORMATION.
A5	CLEAN, PATCH, AND REPAIR ALL LOCATIONS W/ VISIBLE WATER DAMAGE ON EXISTING SURFACES, WITHIN PROJECT SCOPE AREA. PREP TO RECEIVE NEW FINISH AS SCHEDULED. REFER TO FINISH SCHEDULE FOR MORE INFORMATION.
A6	INSTALL NEW MILLWORK AS SHOWN. REFER TO DETAILS AND MATERIAL SCHEDULE FOR MORE INFORMATION.
A7	INSTALL NEW SINK AND FAUCET AS SHOWN. REFER TO PLUMBING FOR MORE INFORMATION.
A8	PREP EXISTING COLUMN SURROUND FOR PAINT. PAINT PNT-01, U.O.N REFER TO MATERIAL SCHEDULE ON SHEET A90-00 FOR MORE INFORMATION.
A9	RELOCATED EXISTING DOOR AND FRAME CONSTRUCTION, INCLUDING HARDWARE AND ANCHORS AS SHOWN. REFER TO DOOR SCHEDULE FOR MORE INFORMATION.
A10	PROVIDE FIRE RATED PLYWOOD BACKER BOARD BETWEEN 3'-0" AND 7'-0" A.F.F. ON ALL WALLS OF DATA CLOSET.
A11	INSTALL NEW TOILET ROOM FIXTURES / ACCESSORIES. REFER TO PLUMBING.
A12	CONSTRUCT NEW WALLS AS SHOWN/SCHEDULED, ALIGN NEW GYP BD PARTITION WITH EXISTING CONSTRUCTION. REFER TO WALL TYPES.
A13	NEW SEMI-RECESSED FIRE EXTINGUISHER CABINET MOUNTING LOCATION. REFER TO FIRE SEPARATION PLANS FOR MOUNTING DETAILS.
A14	PROVIDE CARD OR KEYPAD ACCESS AND ALL ASSOCIATED ELECTRICAL WORK AT DOOR. REFER TO DOOR SCHEDULE.
A15	INFILL WALL AT DEMOLISHED MAILBOX LOCATION. ALIGN FLUSH ON EACH SIDE OF WALL
A16	INFILL OPENING IN WALL TO MATCH EXISTING. TOOTH IN NEW CMU AT REQUIRED LOCATIONS. ALIGN FLUSH ON EACH SIDE OF WALL.
A17	REMOVE AND REPLACE EXISTING TOILET ROOM HANDICAP PARTITION DOOR SWING MECHANISIOM. (TYP FOR ALL HC DOORS IN PROJECT SCOPE AREA)
A18	EXISTING WATER COOLER TO REMAIN, VERIFY FUNCTIONALITY, NOTIFY ARCHITECT OF ANY ISSUES.



2 A20-01 SCALE: 1" = 1'-0"

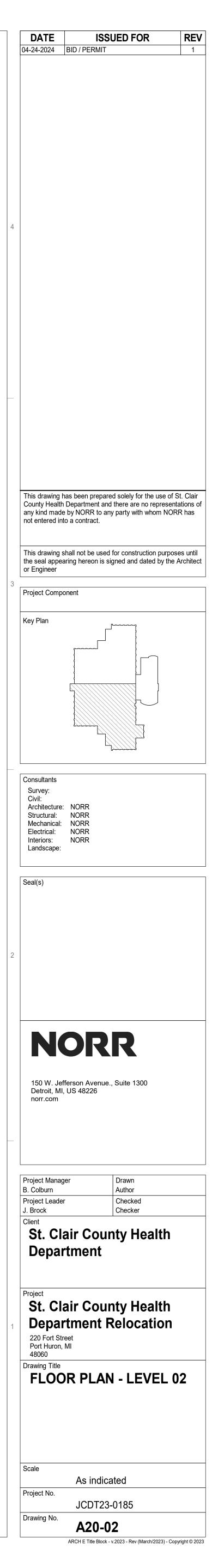
ENLARGED PH EXAM ROOM @ EXISTING COLUMN

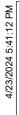


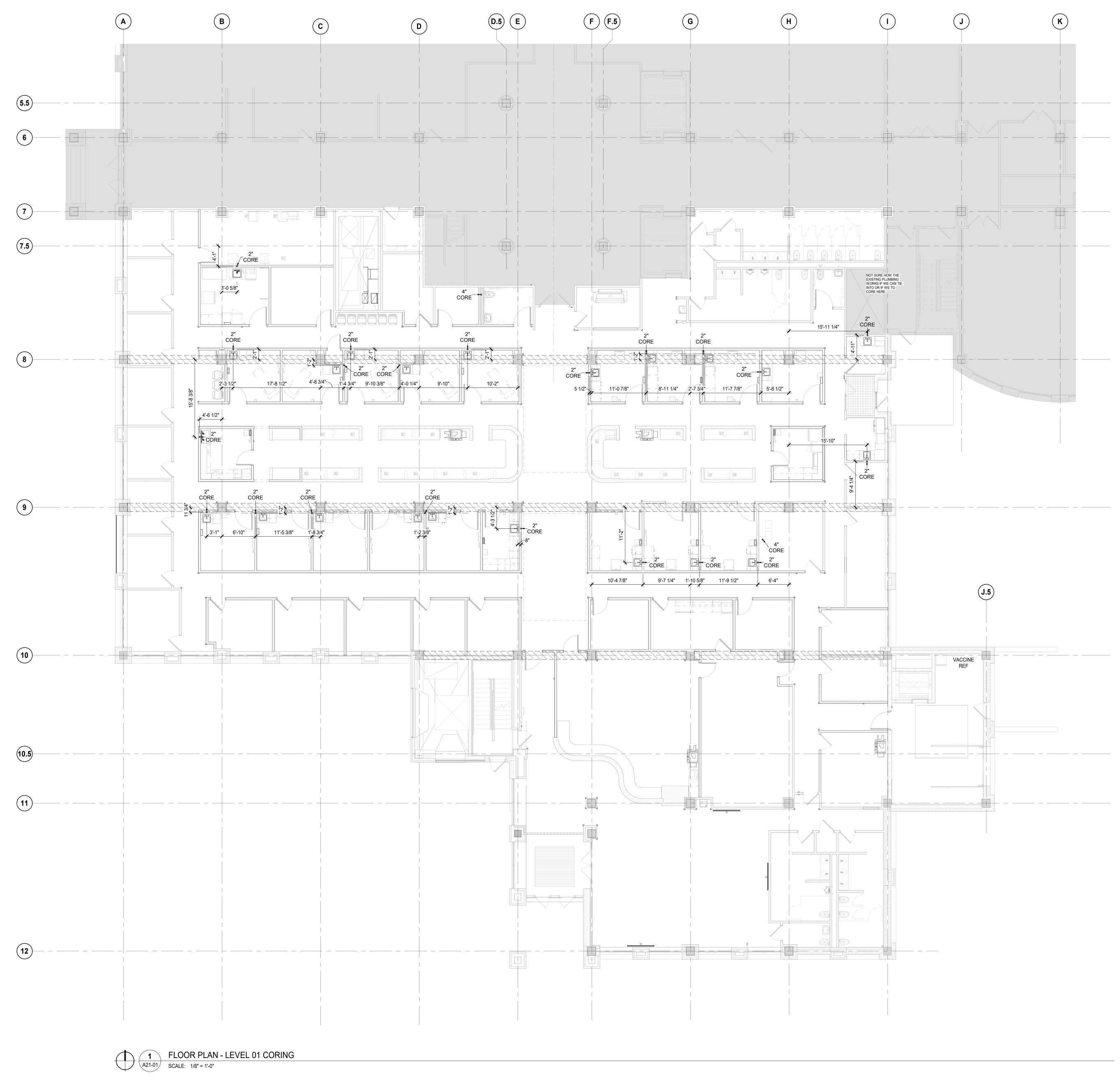




- **FLOOR PLAN GENERAL NOTES** 1. ALL CONSTRUCTION TO COMPLY WITH MICHIGAN BUILDING CODE, REGULATIONS, RULES AND BY-LAWS SET BY THE AUTHORITY HAVING JURISDICTION. ALL CONSTRUCTION TO COMPLY WITH INDUSTRY TRADE STANDARDS, AS WELL AS MANUFACTURERS' RECOMMENDATIONS, TO THE EXTENT THAT THOSE INSTRUCTIONS AND RECOMMENDATIONS ARE MORE EXPLICIT OR STRINGENT THAN THE REQUIREMENTS CONTAINED IN THESE CONTRACT DOCUMENTS. IN THE PRESENCE OF ASBESTOS, ABATEMENT WORK SHALL BE COORDINATED WITH THE OWNER. THE GENERAL CONTRACTOR SHALL COORDINATE ALL ACTIVITIES AS REQUIRED TO ENSURE EFFICIENT, CORRECT AND ORDERLY INSTALLATION OF EACH PART OF THE WORK TO AVOID CONFLICT IN THE TRADE WORK AND SCHEDULE. THE GENERAL CONTRACTOR SHALL PROTECT ALL EXISTING ADJACENT CONSTRUCTION TO REMAIN. 5. THE GENERAL CONTRACTOR SHALL REPAIR ANY DAMAGED EXISTING CONSTRUCTION TO MATCH EXISTING. THE GENERAL CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AND REPORT CONFLICTS IN WRITING TO THE OWNER / OWNERS REPRESENTATIVE. THE GENERAL CONTRACTOR SHALL ARRANGE FOR AND COORDINATE ALL INCOMING AND OUTGOING MECHANICAL AND ELECTRICAL SERVICES FOR THIS PROJECT. THE AREA OF WORK SHALL BE MAINTAINED IN A SECURED CONDITION AT ALL TIMES. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO SECURE THE AREA OF WORK. 9. VERIFY ALL CONDITIONS AND DIMENSIONS ON SITE PRIOR TO FABRICATION. PROMPTLY NOTIFY THE ARCHITECT OF ANY ERRORS OR OMISSIONS. 10. ALL PLAN DIMENSIONS ARE TO FACE OF STUD, FACE OF MASONRY, COLUMN CENTERLINE, OR FACE OF EXISTING WALL, UNLESS OTHERWISE NOTED. 11. NEW CONSTRUCTION PARALLEL TO AND ABUTTING EXISTING TO ALIGN UNLESS OTHERWISE NOTED. 12. ALL WALLS, DOORS, AND WINDOWS WITHOUT A SYMBOL DESIGNATION ARE EXISTING TO REMAIN. 13. PROVIDE AND MAINTAIN CONTINUOUS FIRE/SMOKE SEPARATIONS. FIRE STOP ALL SERVICE PENETRATIONS WITH APPROVED AND UL LISTED FIREPROOF SYSTEMS. 4. PROVIDE AND MAINTAIN CONTINUOUS ACOUSTIC BARRIER SYSTEM. AVOID SOUND TRANSMISSION THROUGH DIRECT CONTACT AT ACOUSTICALLY TREATED SURFACES. COMPLETELY SEAL ALL PENETRATIONS WITH ACOUSTIC SEALANT, TAPE AND INSULATION AS REQUIRED TO PREVENT SOUND TRANSFER AND MAINTAIN THE REQUIRED STC RATINGS OF THE WALL SYSTEMS. PROVIDE APPROVED ISOLATION METHODS TO ALL NOISE GENERATING AND MOVING EQUIPMENT. 5. ADD SUFFICIENT BLOCKING IN STUD WALLS TO SUPPORT ALL ITEMS OR EQUIPMENT SHOWN OR SPECIFIED TO BE ATTACHED TO WALLS, INCLUDING BUT NOT LIMITED TO: HANDRAILS, GUARDS, LADDERS, MECHANICAL AND ELECTRICAL FIXTURES AND EQUIPMENT, ETC. PROVIDE ADDITIONAL STRUCTURAL SUPPORT (PLATES, ANGLES, CHANNELS, ETC.) WITHIN WALLS WHERE WEIGHT OF ATTACHED ITEMS EXCEED WALL CAPACITY. PROVIDE BACKING PLATES OR BLOCKING FOR ANY OWNER FURNISHED OR INSTALLED ITEMS. 16. ALL PARTITION WALLS ARE TO EXTEND AND SEAL AGAINST THE BOTTOM OF STRUCTURE ABOVE UNLESS OTHERWISE NOTED. 17. INSTALL METAL TRIM ON ALL GYPSUM BOARD EDGES ABUTTING OTHER MATERIALS OR WHERE GYP BD STOPS SHORT OF OTHER MATERIALS TO FORM A REVEAL OR RECESS. USE METAL CORNER BEAD ON ALL GYPSUM BOARD EXTERIOR CORNERS. 8. ALL DOORS AND WINDOWS REFERENCED ON THE PLANS AND SCHEDULES ARE SHOWN NOMINAL SIZE. CONFIRM AND VERIFY ALL ROUGH OPENING SIZE REQUIREMENTS WITH THE SELECTED PRODUCT MANUFACTURER AND SITE CONDITIONS PRIOR TO FABRICATION. REFER TO MANUFACTURERS INSTALLATION MANUAL. 19. ALL INTERIOR DOOR OPENINGS IN STUD FRAMING WALLS TO BE SPACED A MINIMUM OF 4" FROM THE ADJACENT WALL, UNLESS NOTED OTHERWISE. 20. ALL DOOR OPENINGS IN CONCRETE OR CONCRETE BLOCK WALLS TO BE 4" FROM THE ADJACENT WALL (OR FLUSH WITH FACE OF WALL IN TIGHT CONDITIONS), UNLESS NOTED OTHERWISE. 21. PROVIDE WALL AND CEILING ACCESS DOORS AS MAY BE REQUIRED BY CODE OR TO PROPERLY SERVICE OR ADJUST ALL VALVES, DAMPERS, CLEAN OUTS, ELECTRICAL JUNCTION BOXES AND OTHER DEVICES. 22. PAINT ALL WALL SURFACES, DOOR FRAMES, BULKHEADS AND CEILINGS IN ROOMS WHERE INDICATED ON PLANS OR ROOM FINISH SCHEDULE. PAINT BEHIND ALL MOVEABLE ITEMS ADJACENT TO WALLS RECEIVING PAINT AND RELOCATE ITEMS AS NECESSARY. 23. REFER TO FLOOR AND REFLECTED CEILING PLANS AND MECHANICAL AND ELECTRICAL DRAWINGS FOR SPACE ALLOCATIONS IN ROUTING OF ALL MECHANICAL AND ELECTRICAL WORK INCLUDING DIFFUSERS, REGISTERS, GRILLES, LIGHTS, ETC. THE REFLECTED CEILING PLAN LOCATIONS SHALL BE ADHERED TO UNLESS OTHERWISE NOTED ON DRAWINGS. EXCEPTIONS SHALL REQUIRE SPECIFIC WRITTEN APPROVAL BY THE OWNER'S REPRESENTATIVE OR ARCHITECT/ ENGINEER. NOTE THAT ELECTRIC LIGHT FIXTURE LOCATIONS AND FIRE SPRINKLER HEADS SHALL TAKE PRECEDENCE OVER OTHER UTILITY ITEMS IN ANY AND ALL LOCATIONS FOR AREAS WITH OR WITHOUT CEILINGS; THE CONTRACTOR SHALL COORDINATE AS REQUIRED. 24. MECHANICAL LINES ARE NOT TO BE IN CONTACT WITH THE STUD WALLS OR CONCRETE WALL OR FLOOR ASSEMBLIES. ISOLATE ALL PIPES TO AVOID SOUND TRANSMISSION. INSTALL NEOPRENE RUBBER PAD ON TOP OF SUBSTRATE SURFACE (BOTTOM PLATE, CONCRETE ETC.) BEFORE ALL MECHANICAL CLAMPS ARE TIGHTENED INTO PLACE.
- 25. CONFIRM ALL ROUGH OPENING SIZES AND CONNECTION REQUIREMENTS FOR MECHANICAL, ELECTRICAL AND OWNER SUPPLIED EQUIPMENT. ADJUST ROUGH OPENING SIZES TO SUIT. 26. INSTALL & CONNECT OWNER SUPPLIED EQUIPMENT OR APPLIANCES AS DIRECTED, CENTERED, LEVEL AND TRUE.

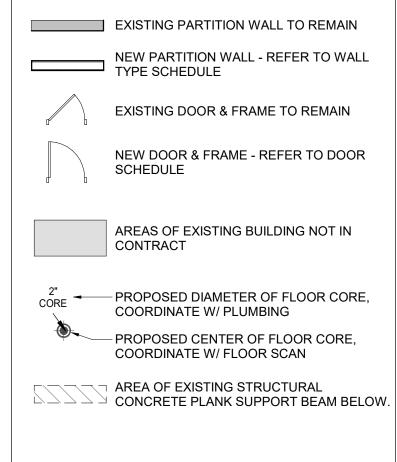






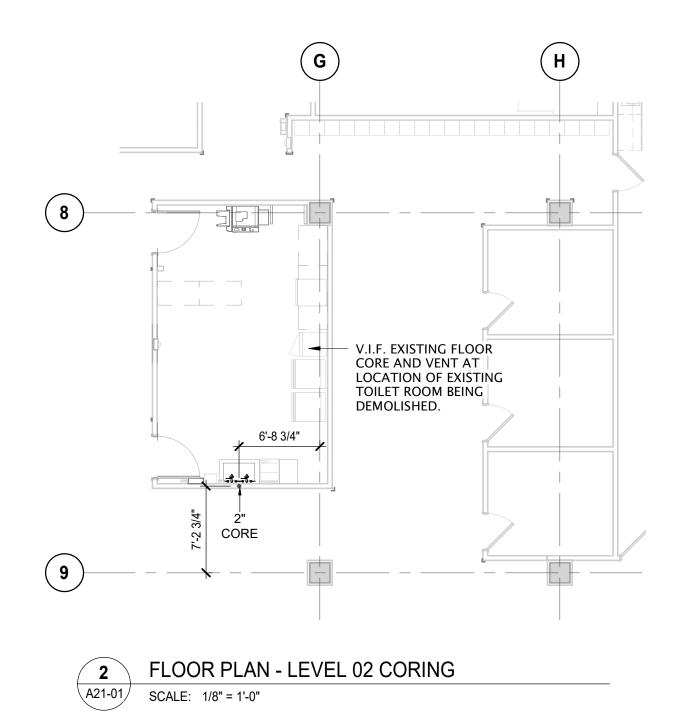
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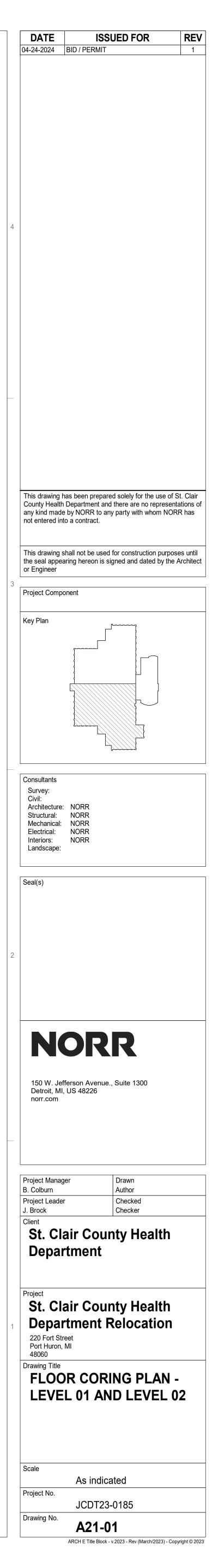
# CORING PLAN LEGEND

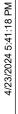


# CORING PLAN GENERAL NOTES

 SCAN EXISTING HOLLOWCORE CONRETE FLOOR PLANKS IN AREAS OF NEW FLOOR CORE WITH GPR AND MARK ALL LOCATIONS. PRIOR TO STARTING WORK NOTIFY OWNER/ARCHITECT OF ANY CONFLCITS.
 THE GENERAL CONTRACTOR AND SUB TRADES ARE RESPONSIBLE FOR DESIGN COORDINATION AND LAYOUT OF ALL OPENNINGS.









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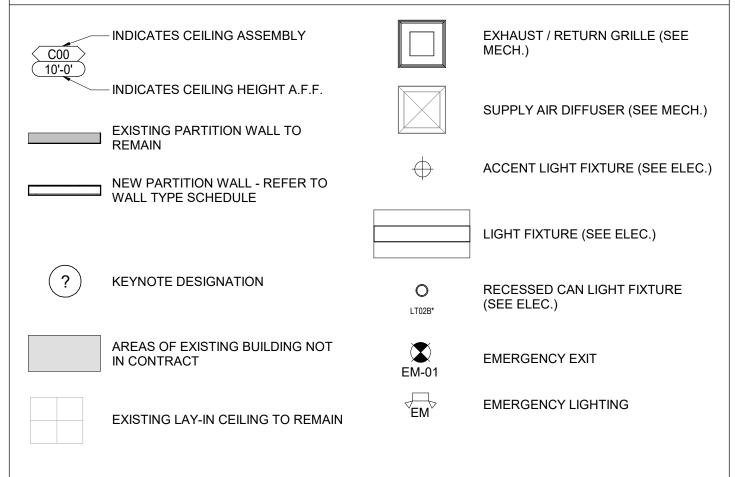
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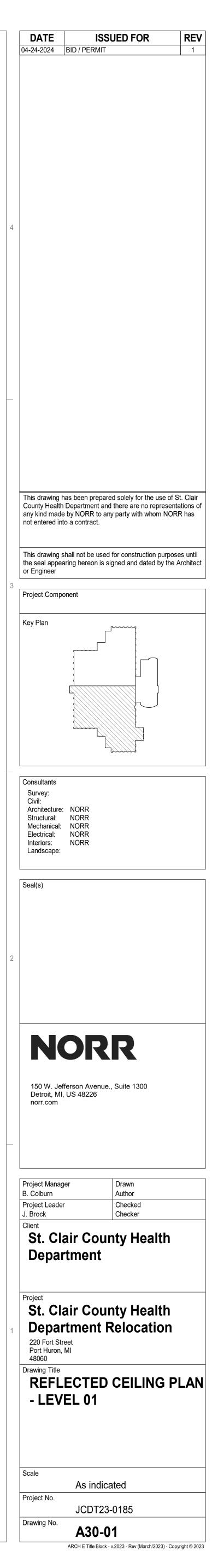
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### **RCP GENERAL NOTES**

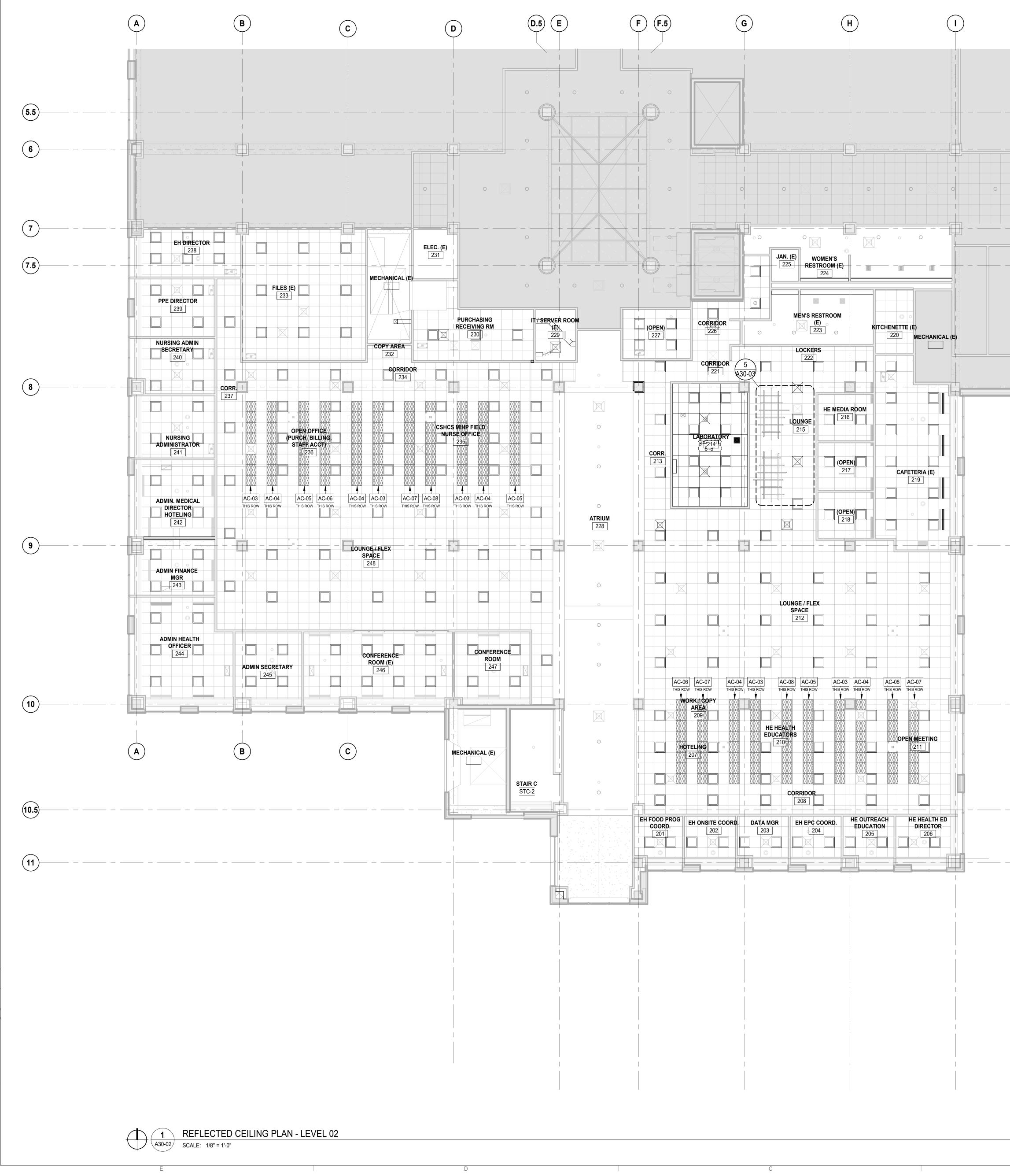
- THE CONTRACTOR SHALL NOT CONSIDER REFLECTED CEILING PLAN NOTES TO BE ALL INCLUSIVE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSPECT AND ASSESS EACH AREA AND TO FULFILL THE INTENT
- OF THE WORK INDICATED BY ALL THE CONTRACT DOCUMENTS. 2. ARCHITECTURAL DRAWINGS MUST BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS FOR THE
- PROJECT. ALL DISCREPANCIES BETWEEN THE DRAWINGS MUST BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
  3. ALL METAL CLOSURE, WALL ANGLES, REVEALS, AND MISCELLANEOUS TRIM SHALL BE PAINTED TO MATCH CEILING UNLESS NOTED OTHERWISE.
- COORDINATE & CENTER WITHIN A MAXIMUM 1/2" CENTERLINE TOLERANCE SPRINKLER HEADS, LIGHT FIXTURES, AND OTHER DEVICES. SPRINKLER SYSTEM MUST MAINTAIN DESIGN INTEGRITY (NOT MAXIMUM EFFICIENCY) WITH SPRINKLER HEAD LAYOUT. SPRINKLER SHOP DRAWINGS MUST BE REVIEWED &
- APPROVED BY ARCHITECT & OWNER. 5. AT LIGHT FIXTURES OR OTHER DEVICES MOUNTED IN EXTERIOR SOFFITS, PROVIDE AIRTIGHT BOX OF GAVANIZED SHEET METAL AND MAINTAIN CONTINUITY OF AIR BARRIER. SEAL ANY AND ALL PENETRATIONS THROUGH BOX.
- ALL CEILING SYSTEMS SHALL BE FRAMED, BRACED, AND SUPPORTED IN COMPLIANCE WITH APPLICABLE CODES.
   ALL CEILING DIFFUSERS AND GRILLES SHALL BE WHITE UNLESS NOTED OTHERWISE.
- REFER TO MECHANICAL DRAWING FOR DIFFUSER AND GRILLE LOCATIONS. MAINTAIN CENTERLINES WITH LIGHT FIXTURES AND OTHER ADJACENT DEVICES WHEN POSSIBLE.
- 9. PROVIDE WET LOCATION RATED LIGHT FIXTURES WHEN LOCATED IN WET LOCATIONS, INCLUDING BUT NOT LIMITED TO SHOWERS, TUBS, EXTERIOR SOFFITS, AND MOP SINKS.
- RECESSED LIGHT FIXTURES IN FIRE RESISTANCE RATED ASSEMBLIES MUST BE RATED TO MAINTAIN FIRE RESISTANCE RATED OF THE ASSEMBLY.
   ALL PENETRATIONS INCLUDING BUT NOT LIMITED TO PIPES, CONDUCTS, DUCTS SHALL BE TRILLED WITH
- COLLAR, BRACKET, OR ESCUTHEON. 12. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- 13. TYPICAL SOFFITS FOR DUCT WORK IN UNITS CURRENTLY SHOWN AS 8'-0" HIGH; HOWEVER, ALL SOFFITS TO BE AS HIGH AS POSSIBLE AFTER DUCT INSTALLATION (MINIMUM 8'-0" AFF). WHERE SOFFITS RUN OVER / IN FRONT OF WINDOW, BOTTOM OF SOFFIT TO BE ALIGNED WITH TOP OF WINDOW (DUCT DEPTH TO BE REDUCED AS NEEDED - CONFIRM SIZE WITH MECHANICAL ENGINEER).

### **RCP GENERAL NOTES**

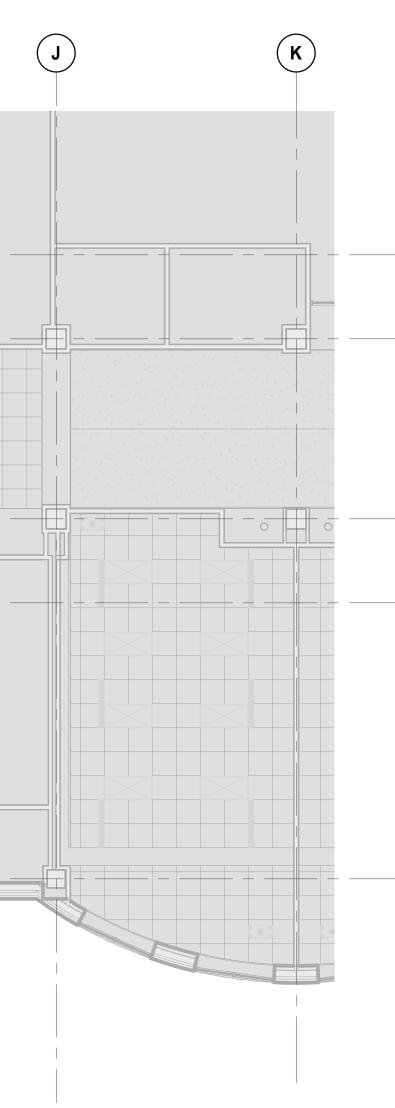




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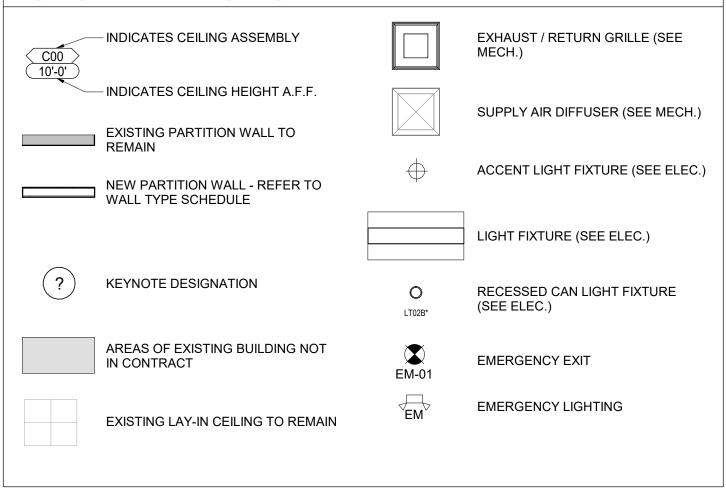


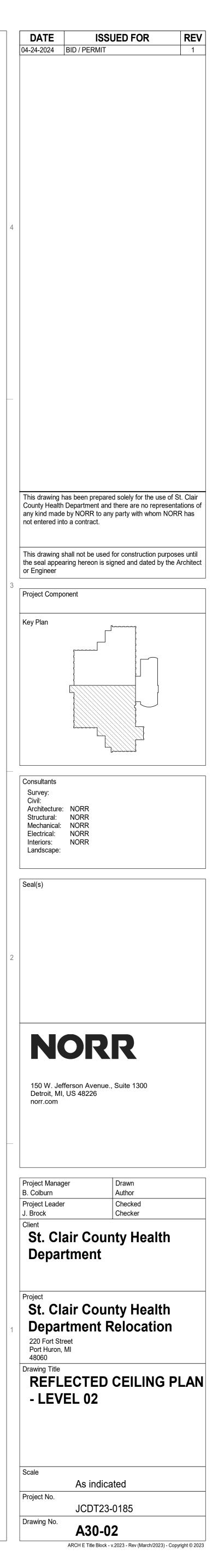
### **RCP GENERAL NOTES**

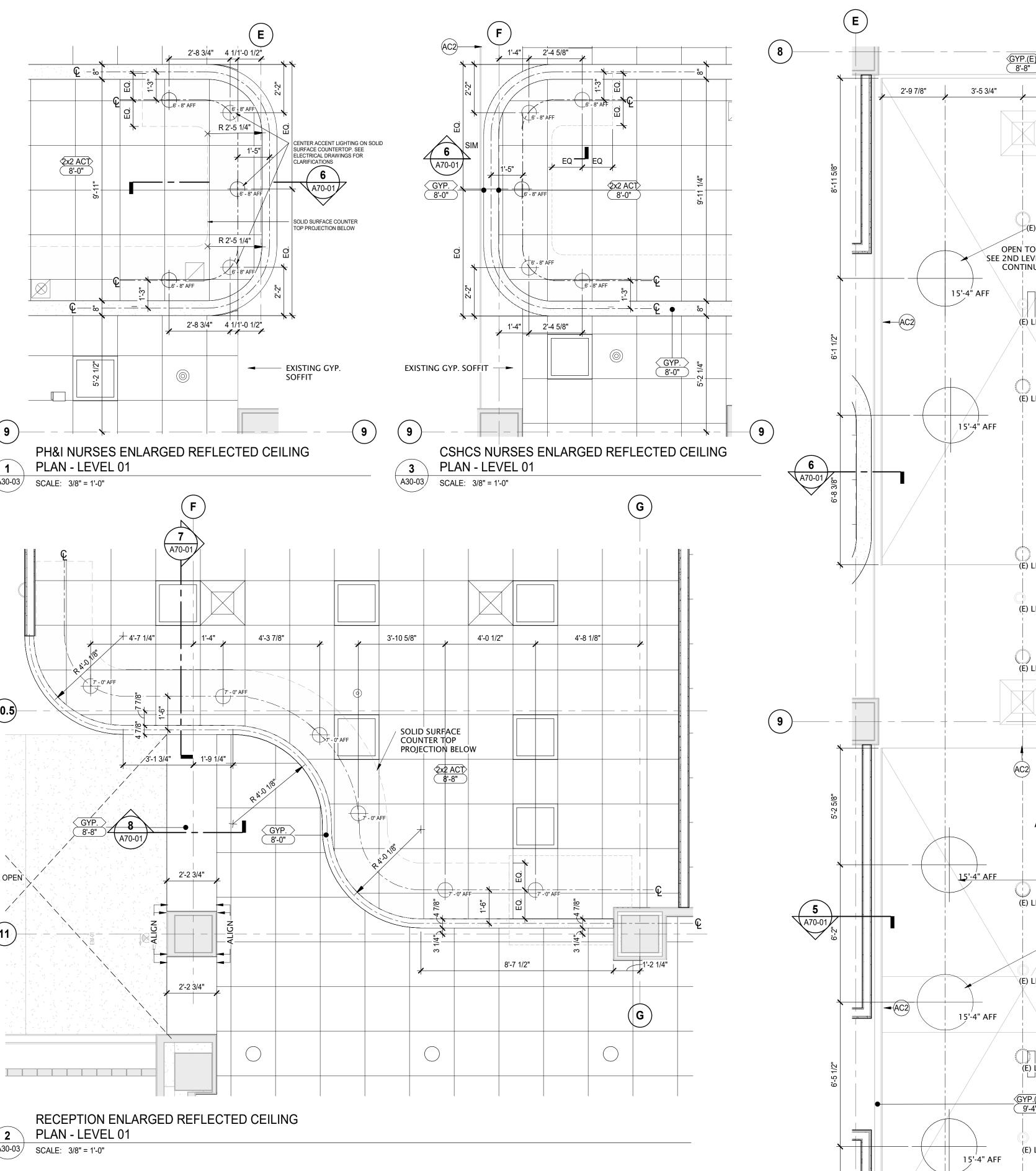
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  3. ALL METAL CLOSURE, WALL ANGLES, REVEALS, AND MISCELLANEOUS TRIM SHALL BE PAINTED TO MATCH CEILING UNLESS NOTED OTHERWISE.
- COORDINATE & CENTER WITHIN A MAXIMUM 1/2" CENTERLINE TOLERANCE SPRINKLER HEADS, LIGHT FIXTURES, AND OTHER DEVICES. SPRINKLER SYSTEM MUST MAINTAIN DESIGN INTEGRITY (NOT MAXIMUM EFFICIENCY) WITH SPRINKLER HEAD LAYOUT. SPRINKLER SHOP DRAWINGS MUST BE REVIEWED & APPROVED BY ARCHITECT & OWNER.
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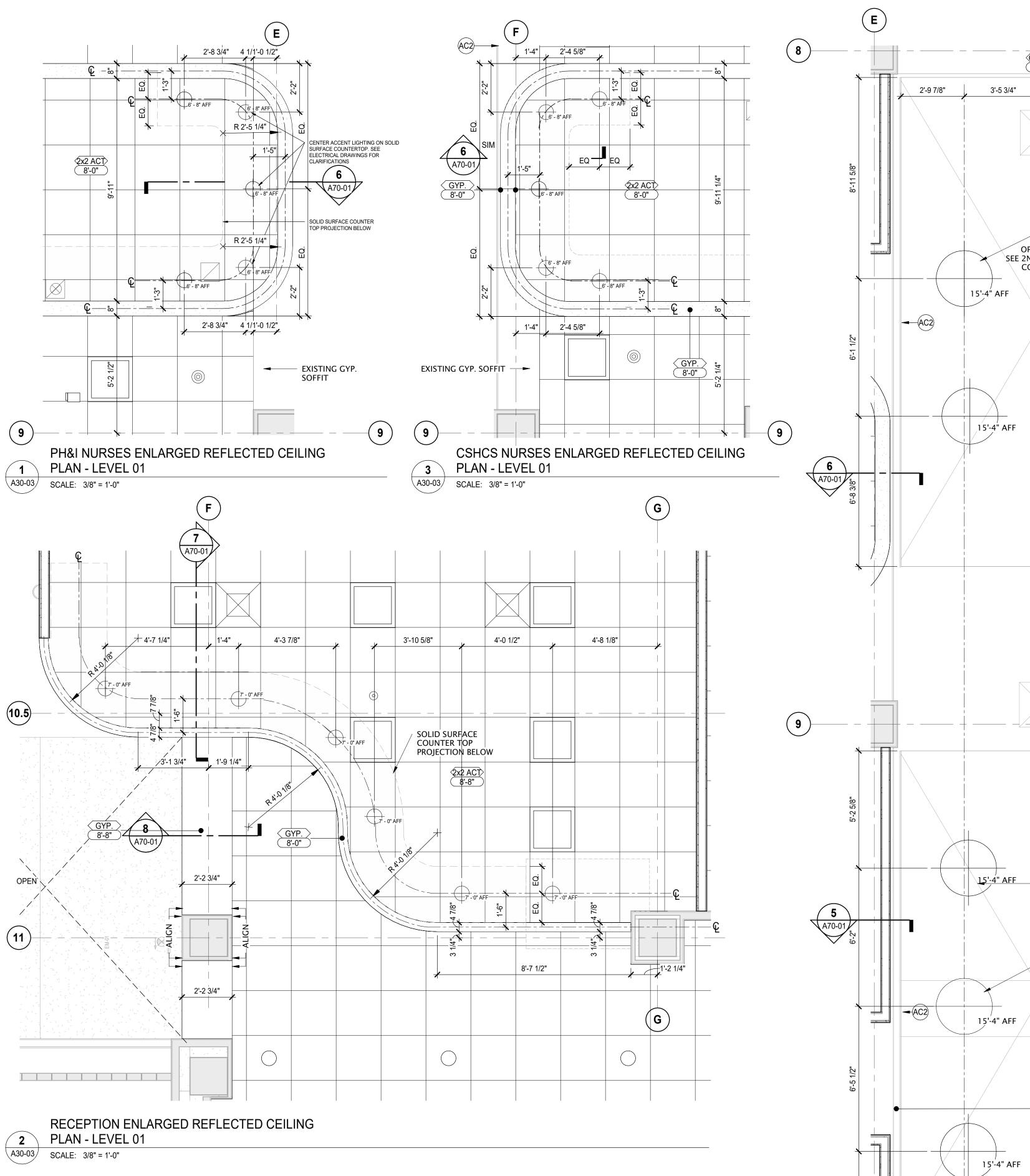
REDUCED AS NEEDED - CONFIRM SIZE WITH MECHANICAL ENGINEER).

### **RCP GENERAL NOTES**









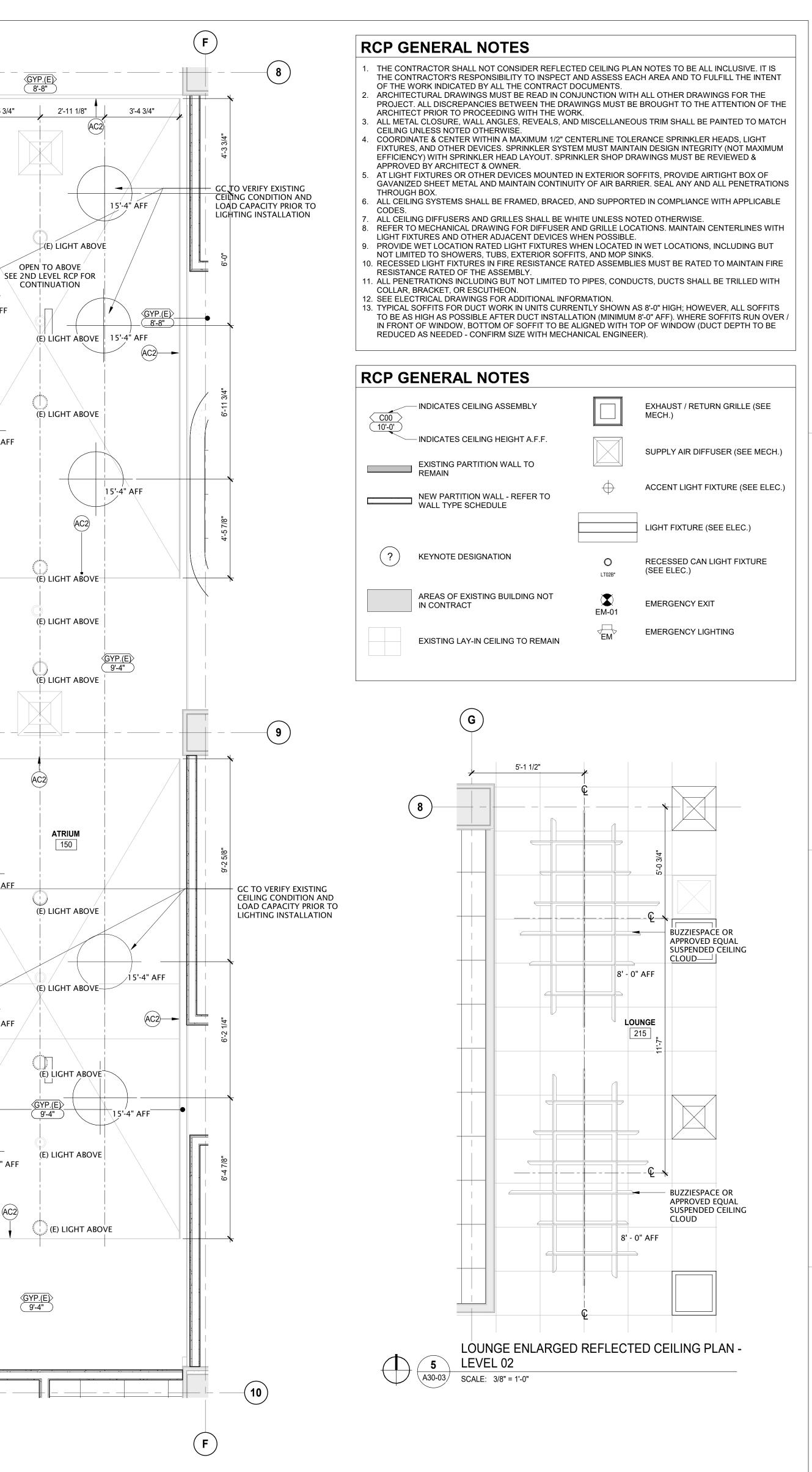


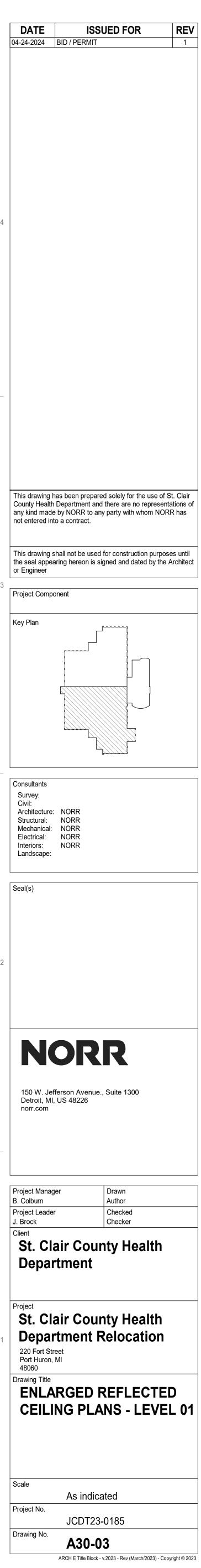


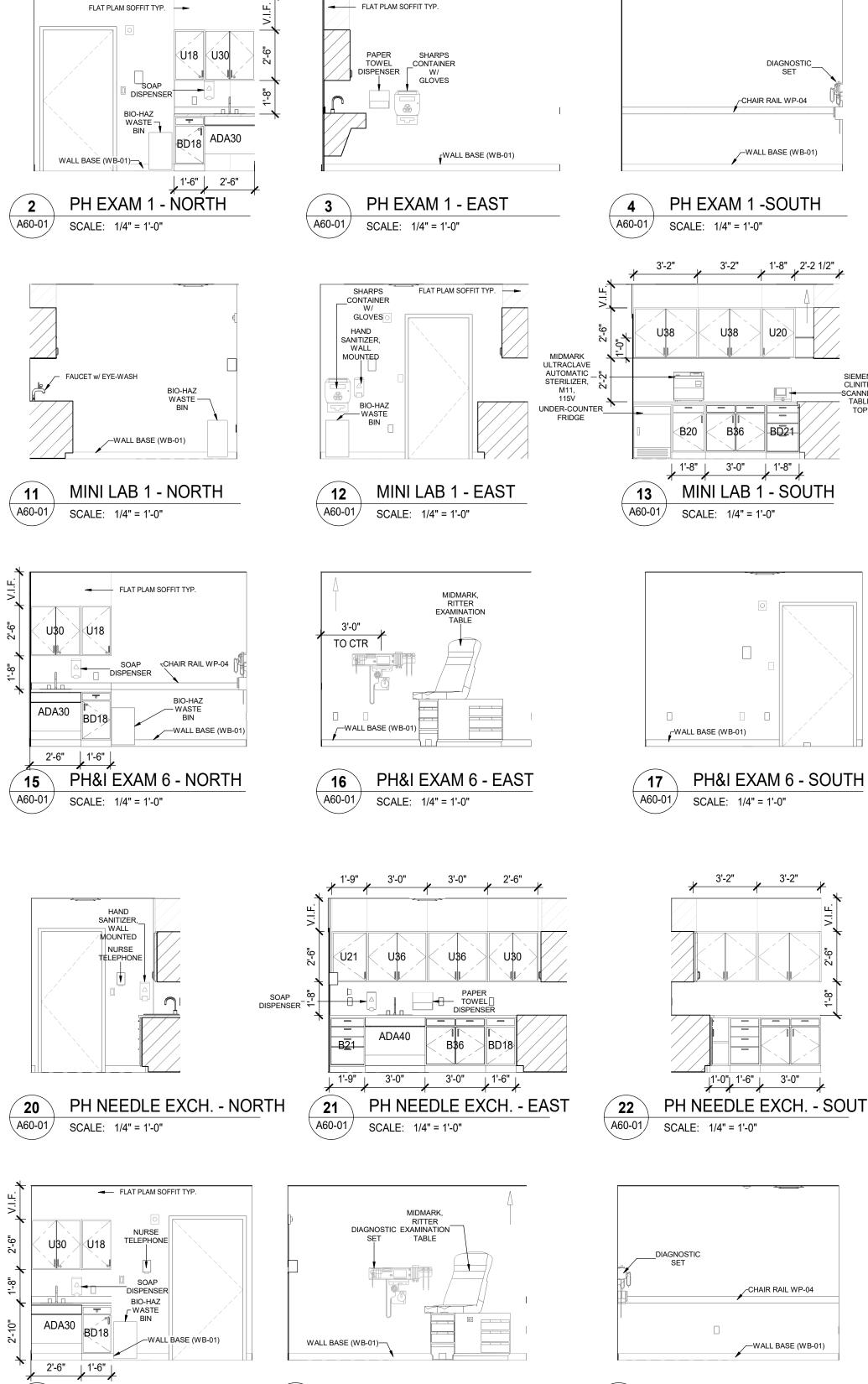
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24 PH&I EXAM 1 (ISO) - N

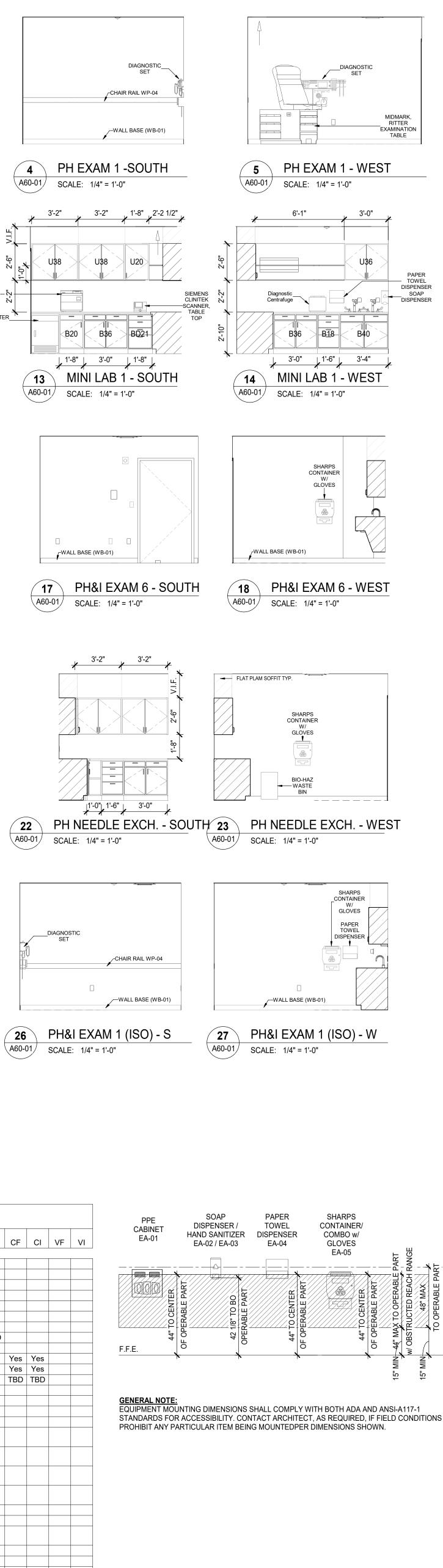
A60-01 SCALE: 1/4" = 1'-0"

TAG	DESCRIPTION	ELECT REQ'D	PLUMB REQ'D	OF	ОІ	CF	СІ	VF	VI
2" CORE	2" CORE								
4" CORE	4" CORE								
108E									
EA-02	HAND SANITIZER, WALL MOUNTED	<varies></varies>	No	No	No				
EA-03	SOAP DISPENSER	<varies></varies>	No	No	No				
EA-04	PAPER TOWEL DISPENSER	<varies></varies>	No	No	No				
EA-05	SHARPS CONTAINER W/ GLOVES	<varies></varies>		No	No				
EA-06	BIO-HAZ WASTE BIN		No	TBD	TBD				
EM-01	LARGE FLOOR COPIER	<varies></varies>							
EM-02	COMMERCIAL REFRIGERATOR - KITCHENETTE	WALL PLUG		No	No	Yes	Yes		
EM-03	COMMERCIAL MICROWAVE - KITCHENETTE	WALL PLUG	No	No	No	Yes	Yes		
EM-04	UNDER-COUNTER FRIDGE	<varies></varies>	No	No	No	TBD	TBD		
EM-05	DESK TOP PRINTER	WALL PLUG & DATA	No	No	No				
EM-06	COMPUTER MONITOR, DUAL ARM	<varies></varies>							
EM-07	TELEPHONE	<varies></varies>	No	No	No				
EM-08	CPU TOWER	<varies></varies>		No	No				
EQ-01	HELMER, LAB SMALL REFRIGERATOR, #iPR105-GX	WALL PLUG AND DATA, TEMPERATURE SENSOR		No	No				
EQ-02	HELMER, LAB REFRIGERATOR, #HPR125	WALL PLUG AND DATA, TEMPERATURE SENSOR		No	No				
EQ-03	HELMER, LAB DOUBLE REFRIGERATOR, #HPR245	WALL PLUG AND DATA, TEMPERATURE SENSOR		No	No				
EQ-04	HELMER, HORIZON SERIES LAB FREEZER WITH PEDESTAL, #HLF105	WALL PLAUG AND DATA, TEMPERATURE SENSOR							
EQ-05	STIRLING, ULTRACOLD LAB FREEZER, #SU105	WALL PLUG							
EQ-06	Diagnostic Centrafuge	WALL PLUG		No	No				
EQ-07	MIDMARK ULTRACLAVE AUTOMATIC STERILIZER, M11, 115V	<varies></varies>		No	No				
EQ-09	MIDMARK, RITTER EXAMINATION TABLE	<varies></varies>	No	No	No				
EQ-10	MOBILE WORKSTATION FOR MEDICAL STAFF	<varies></varies>	No	No	No				
EQ-11	INFANT MOBILE SCALE	WALL PLUG	No	No	No				Ye
EQ-12	SIEMENS CLINITEK SCANNER, TABLE TOP	WALL PLUG	No	No	No				Ye
EQ-13	HT & METER SCALE, DIGITAL	WALL PLUG	No	No	No				Ye
EQ-14	DIAGNOSTIC SET	<varies></varies>	No	No					
EQ-15	NURSE TELEPHONE	<varies></varies>							

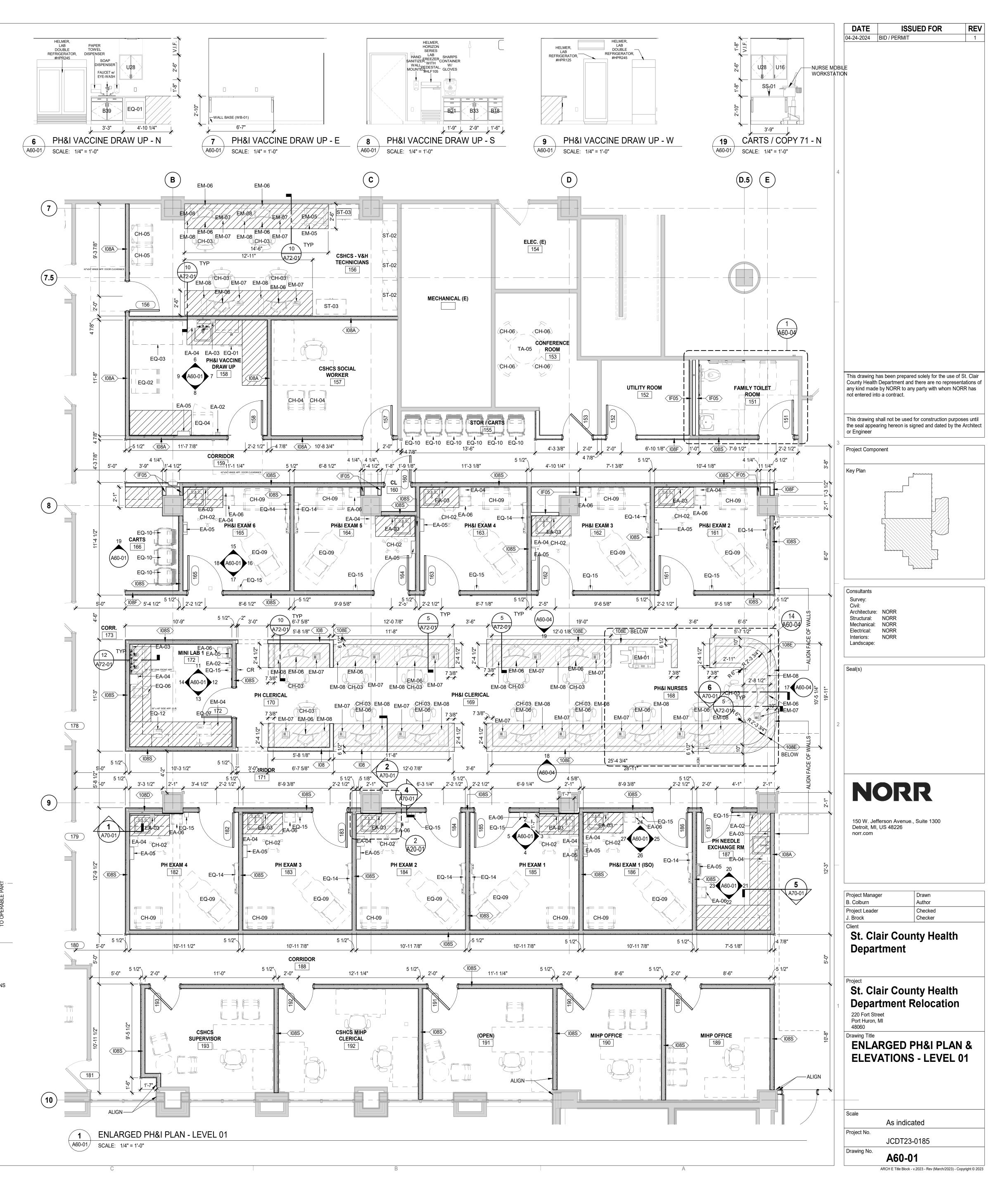
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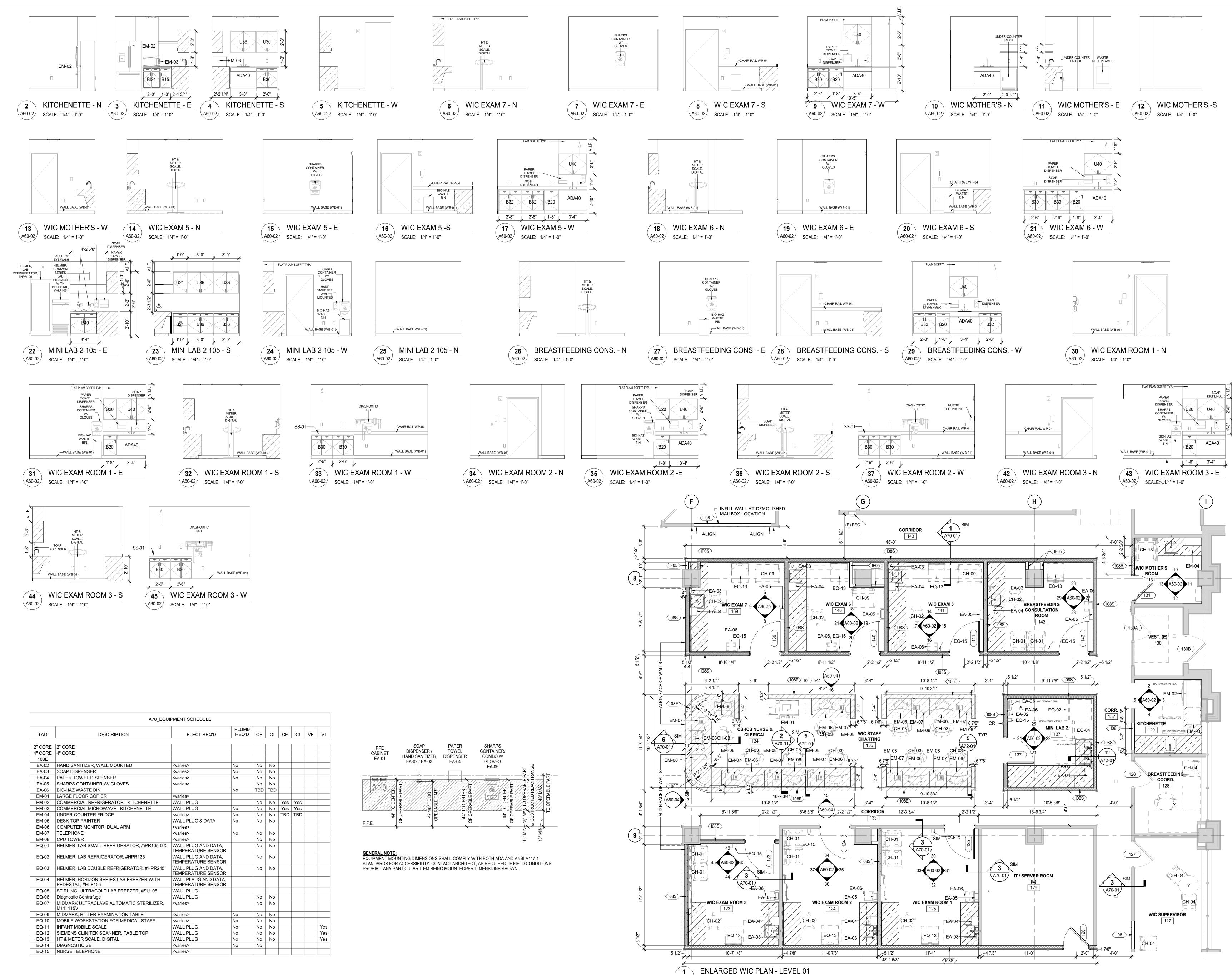
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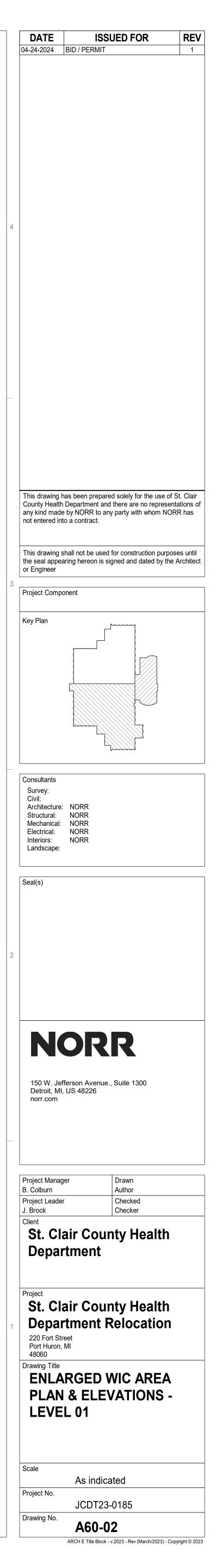


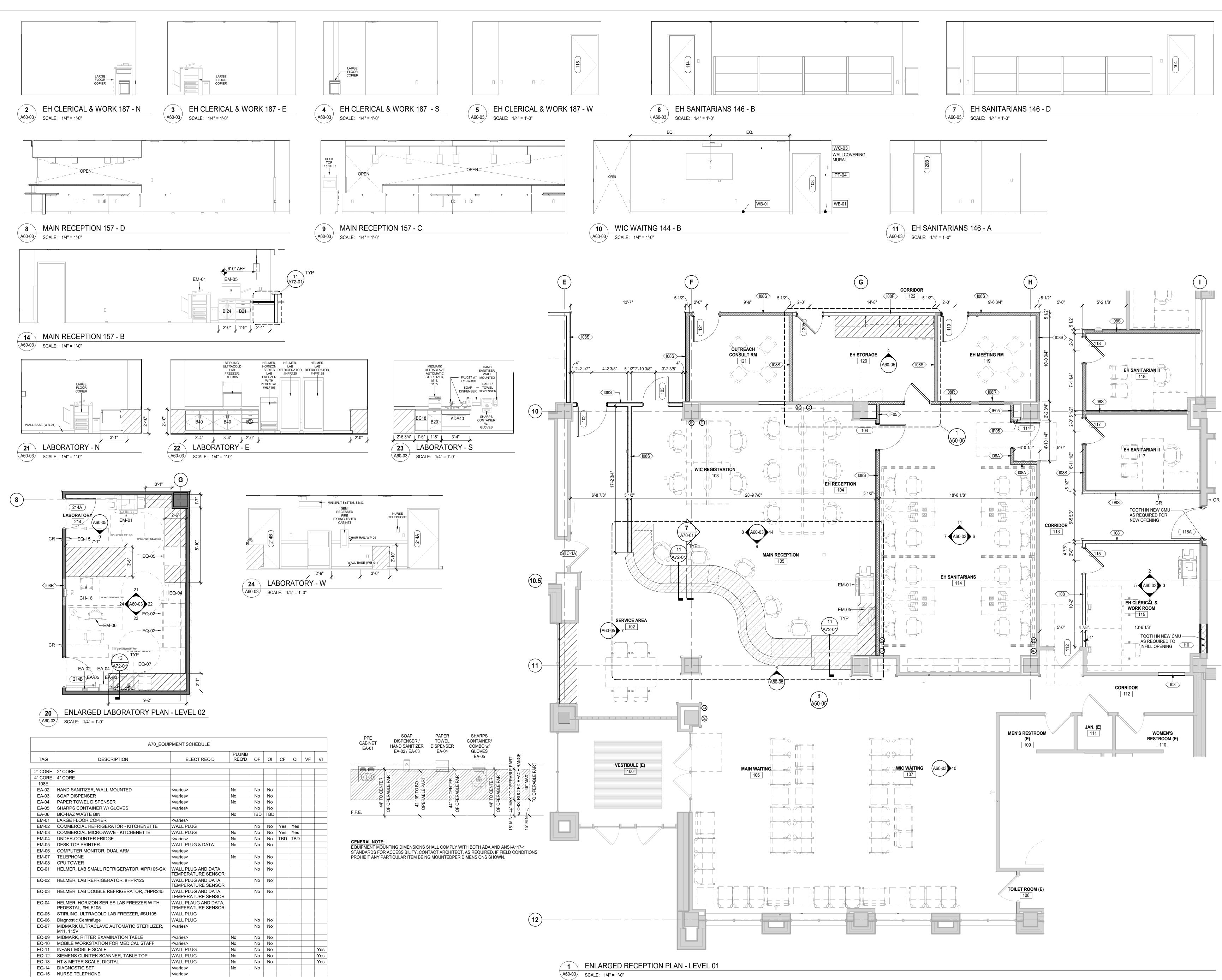


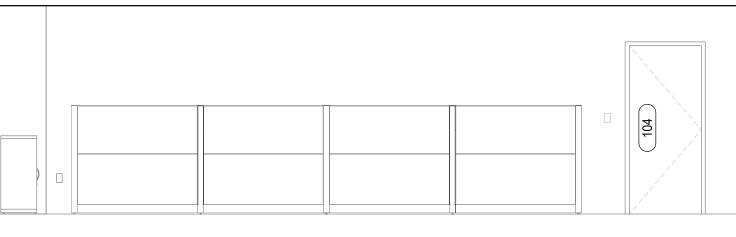
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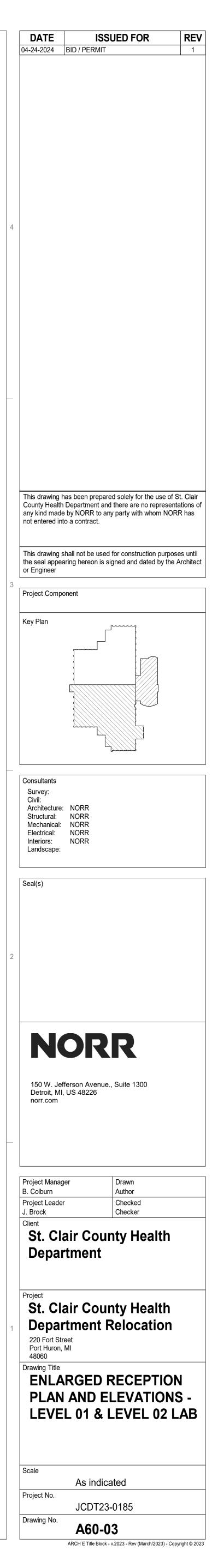
	A70_EQU	IPMENT SCHEDULE							
TAG	DESCRIPTION	ELECT REQ'D	PLUMB REQ'D	OF	OI	CF	СІ	VF	VI
2" CORE	2" CORE								
4" CORE	4" CORE								
108E									
EA-02	HAND SANITIZER, WALL MOUNTED	<varies></varies>	No	No	No				
EA-03	SOAP DISPENSER	<varies></varies>	No	No	No				
EA-04	PAPER TOWEL DISPENSER	<varies></varies>	No	No	No				
EA-05	SHARPS CONTAINER W/ GLOVES	<varies></varies>		No	No				
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EM-05	DESK TOP PRINTER	WALL PLUG & DATA	No	No	No				
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EQ-09	MIDMARK, RITTER EXAMINATION TABLE	<varies></varies>	No	No	No				
EQ-10	MOBILE WORKSTATION FOR MEDICAL STAFF	<varies></varies>	No	No	No				1
EQ-11	INFANT MOBILE SCALE	WALL PLUG	No	No	No				Yes
EQ-12	SIEMENS CLINITEK SCANNER, TABLE TOP	WALL PLUG	No	No	No				Yes
EQ-13	HT & METER SCALE, DIGITAL	WALL PLUG	No	No	No				Yes
EQ-14	DIAGNOSTIC SET	<varies></varies>	No	No					
EQ-15	NURSE TELEPHONE	<varies></varies>							

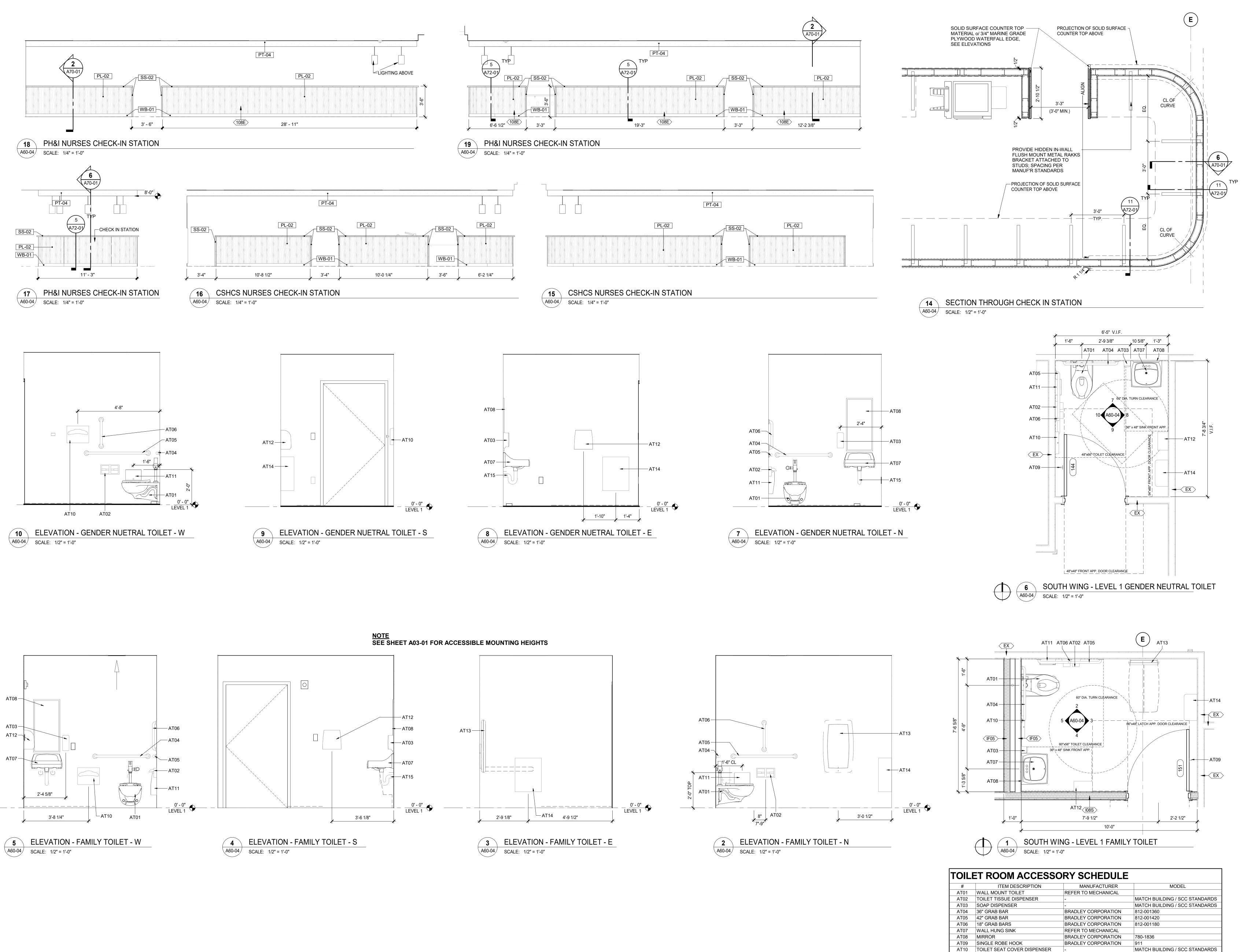












AT12 PAPER TOWEL DISPENSER AT13 BABY CHANGING STATION AT14 WASTE RECEPTACLE AT15 SINK PLUMBING COVER

AT11 SANITARY NAPKIN DISPOSAL

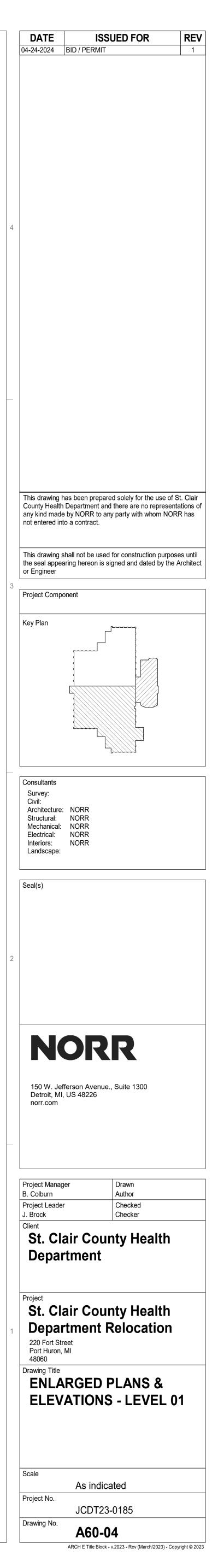
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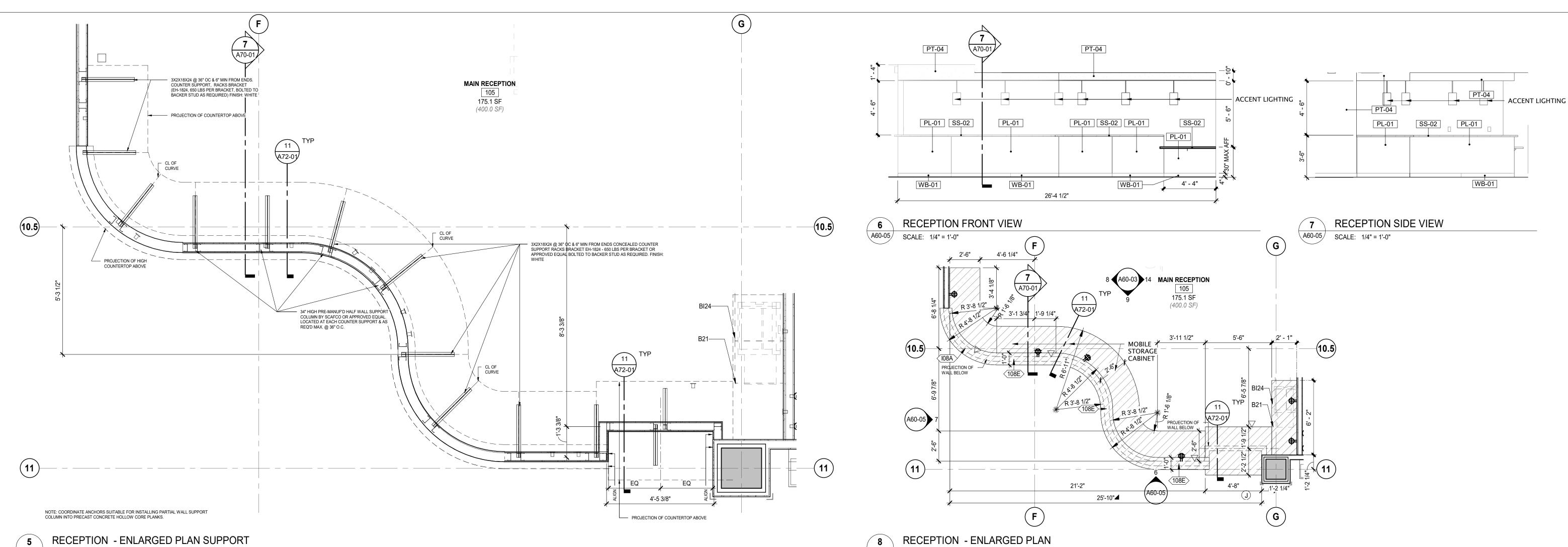
KOALA KARE

KB301-SS

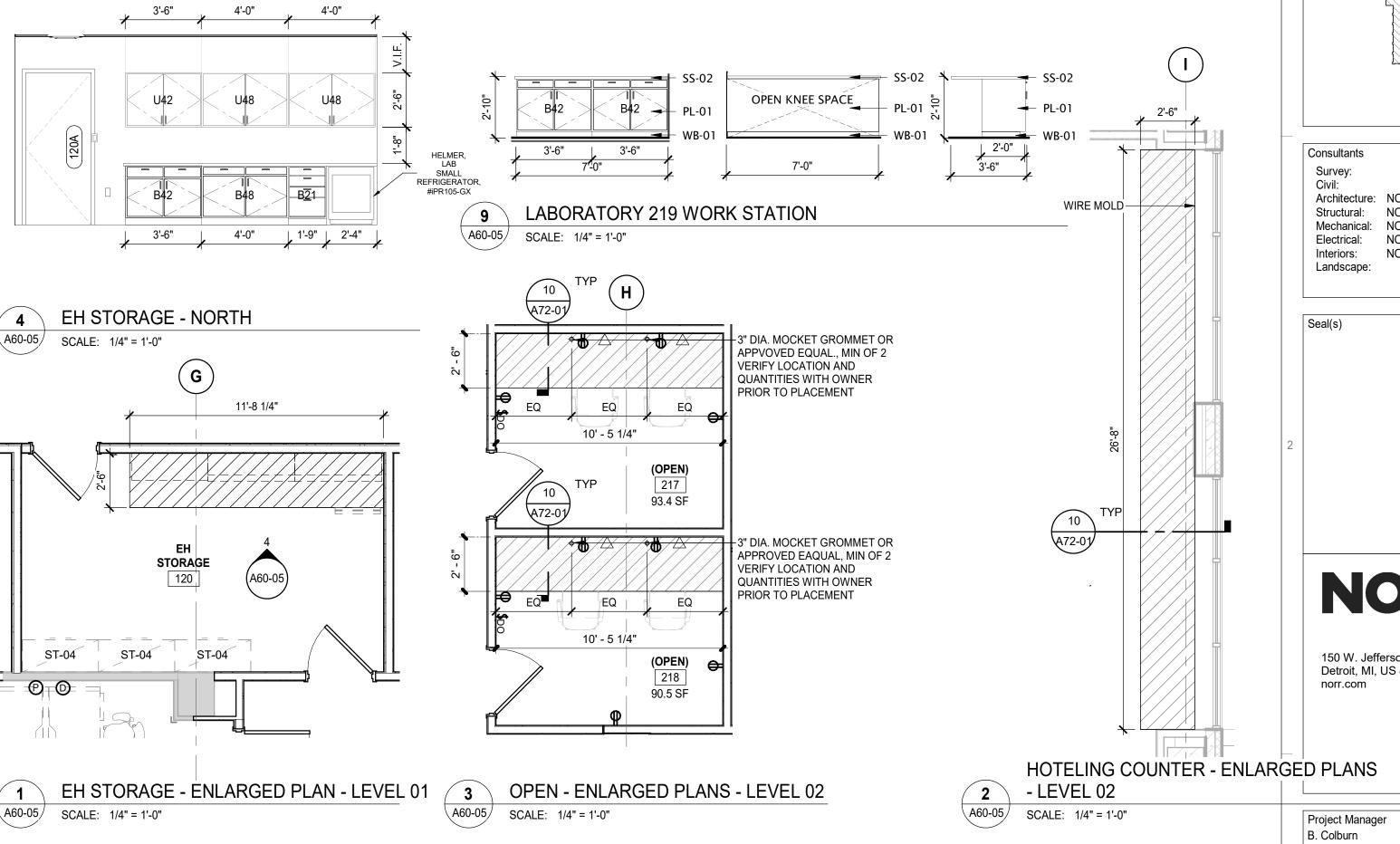
MATCH BUILDING / SCC STANDARDS

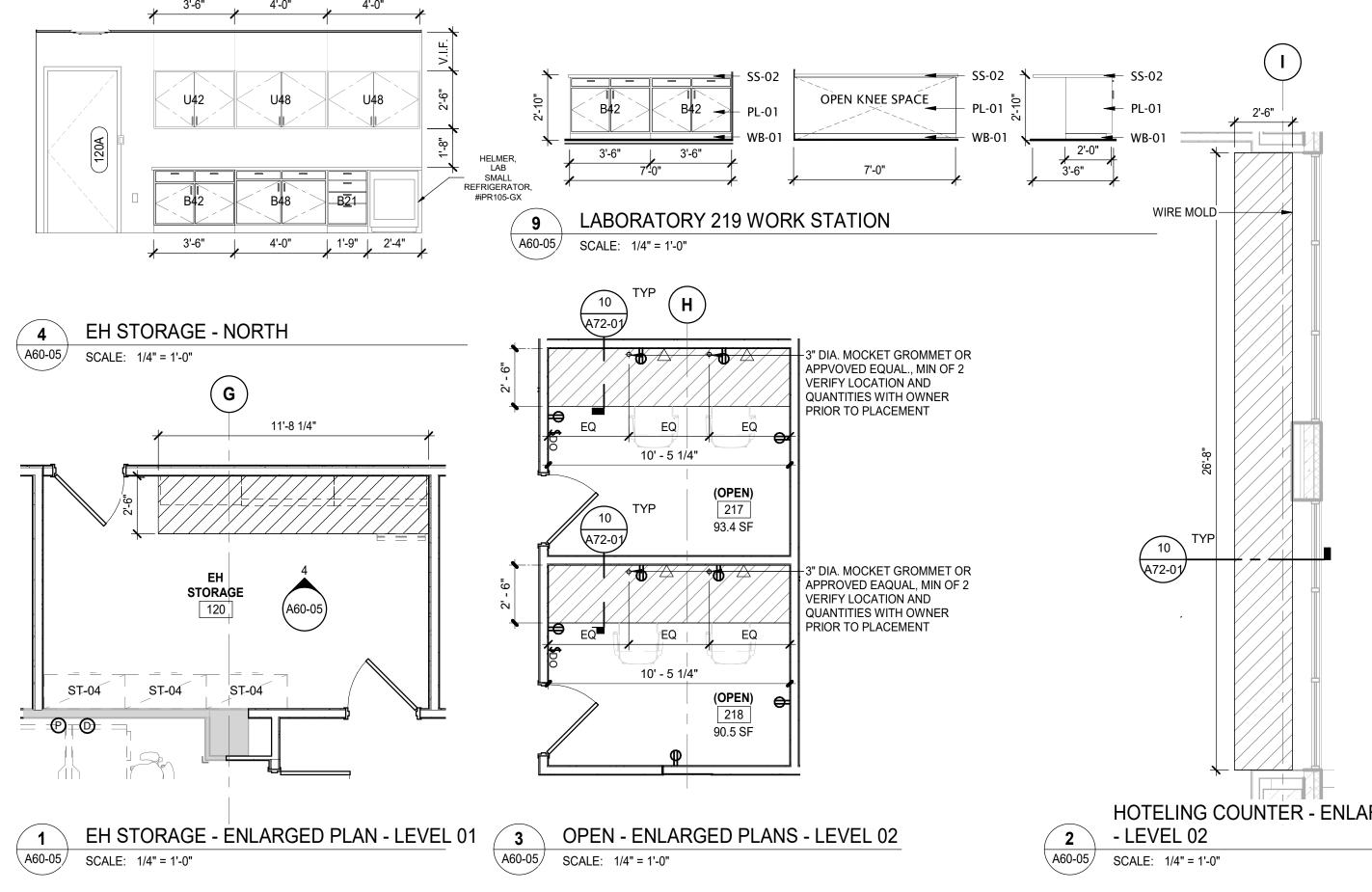
MATCH BUILDING / SCC STANDARDS





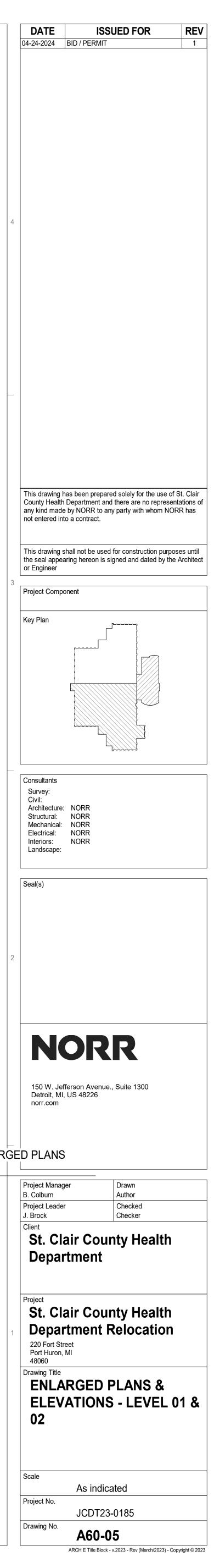
5 RECEPTION - ENLARGED PLAN SUPPORT A60-05 SCALE: 1/2" = 1'-0"

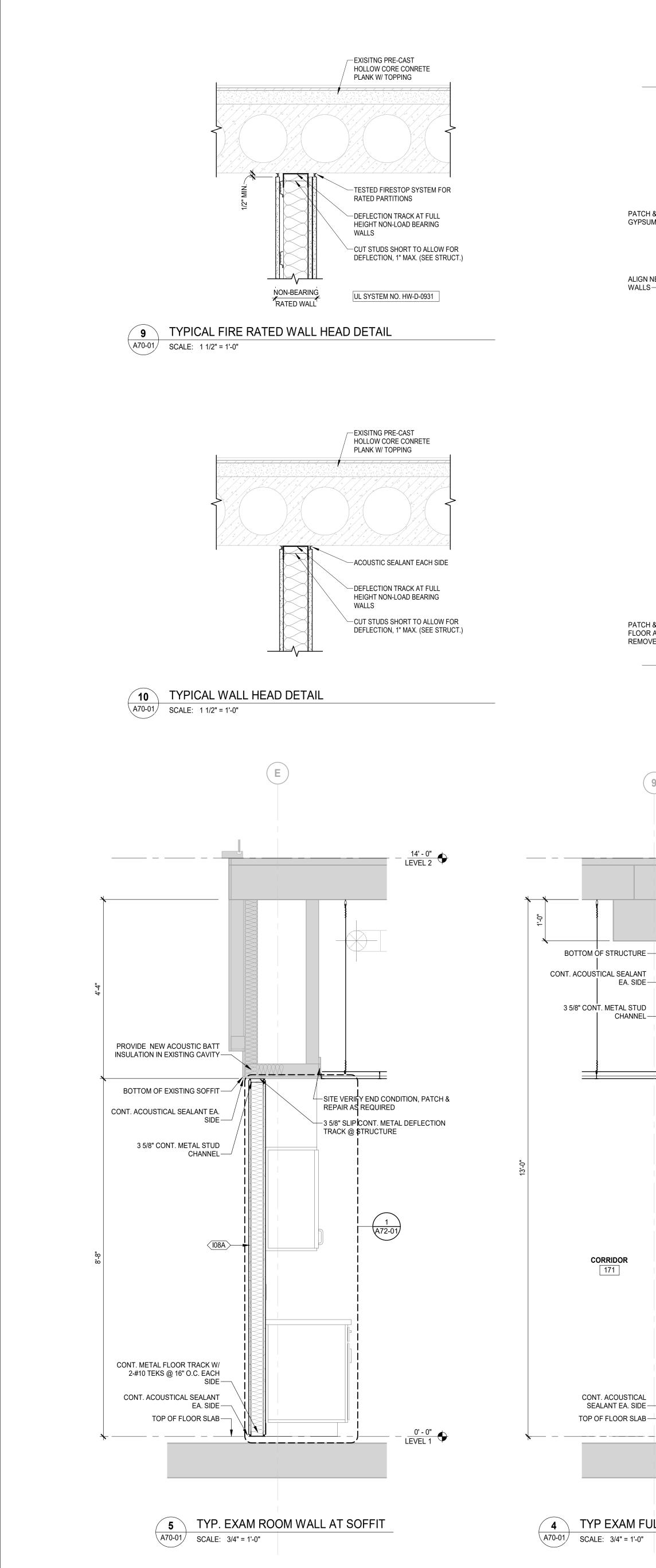


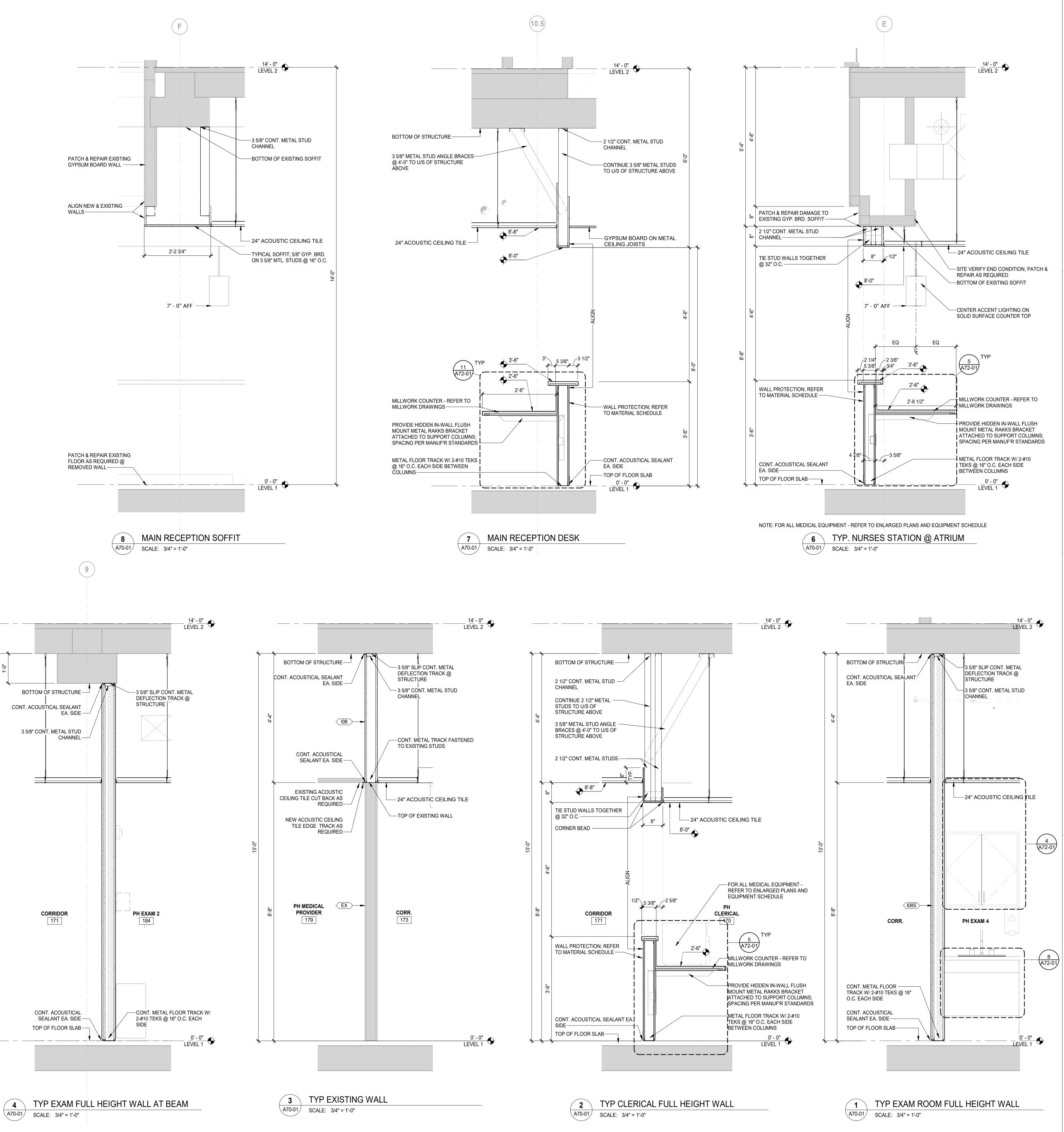


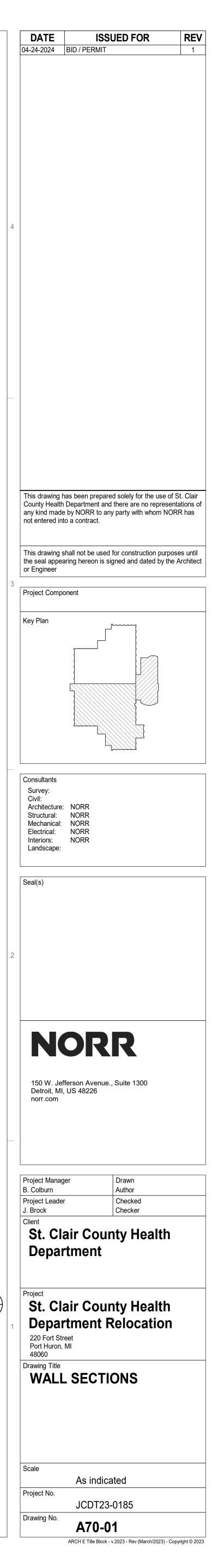


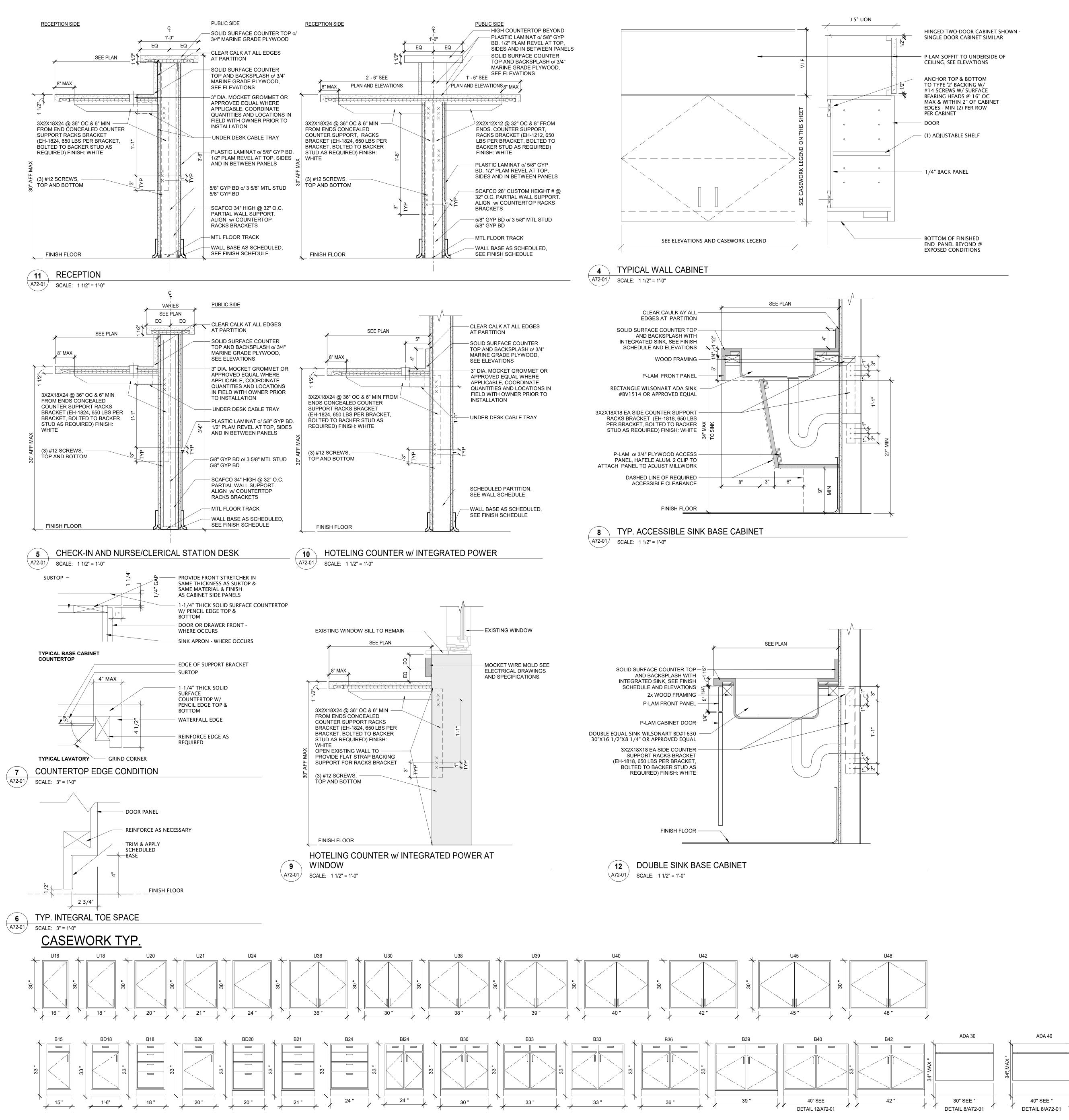
A60-05 SCALE: 1/4" = 1'-0"

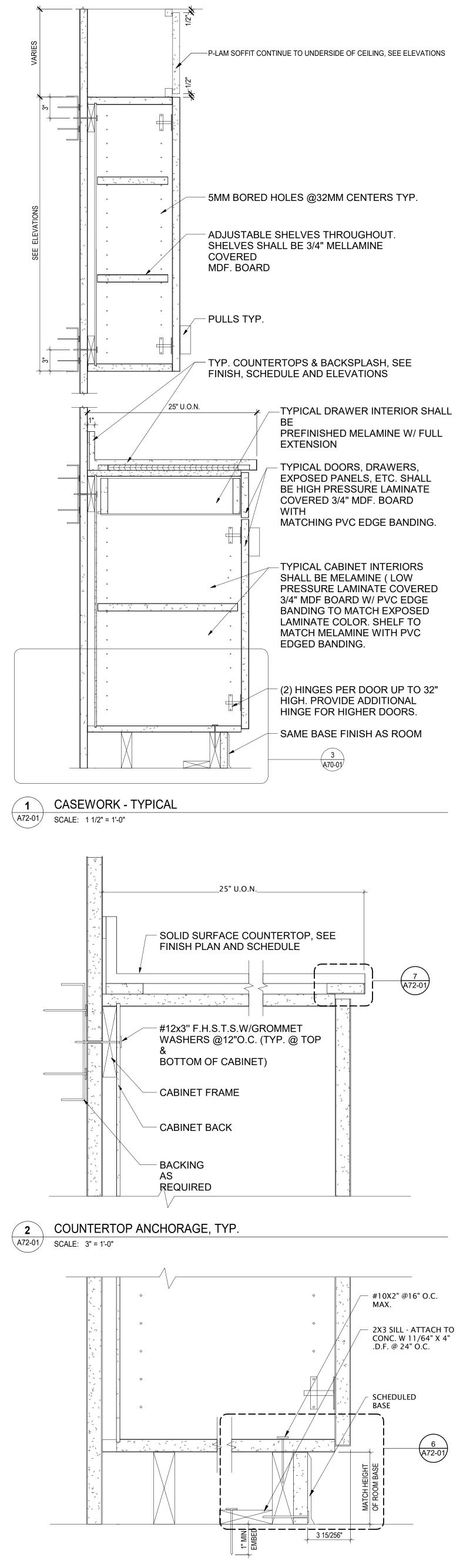






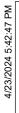


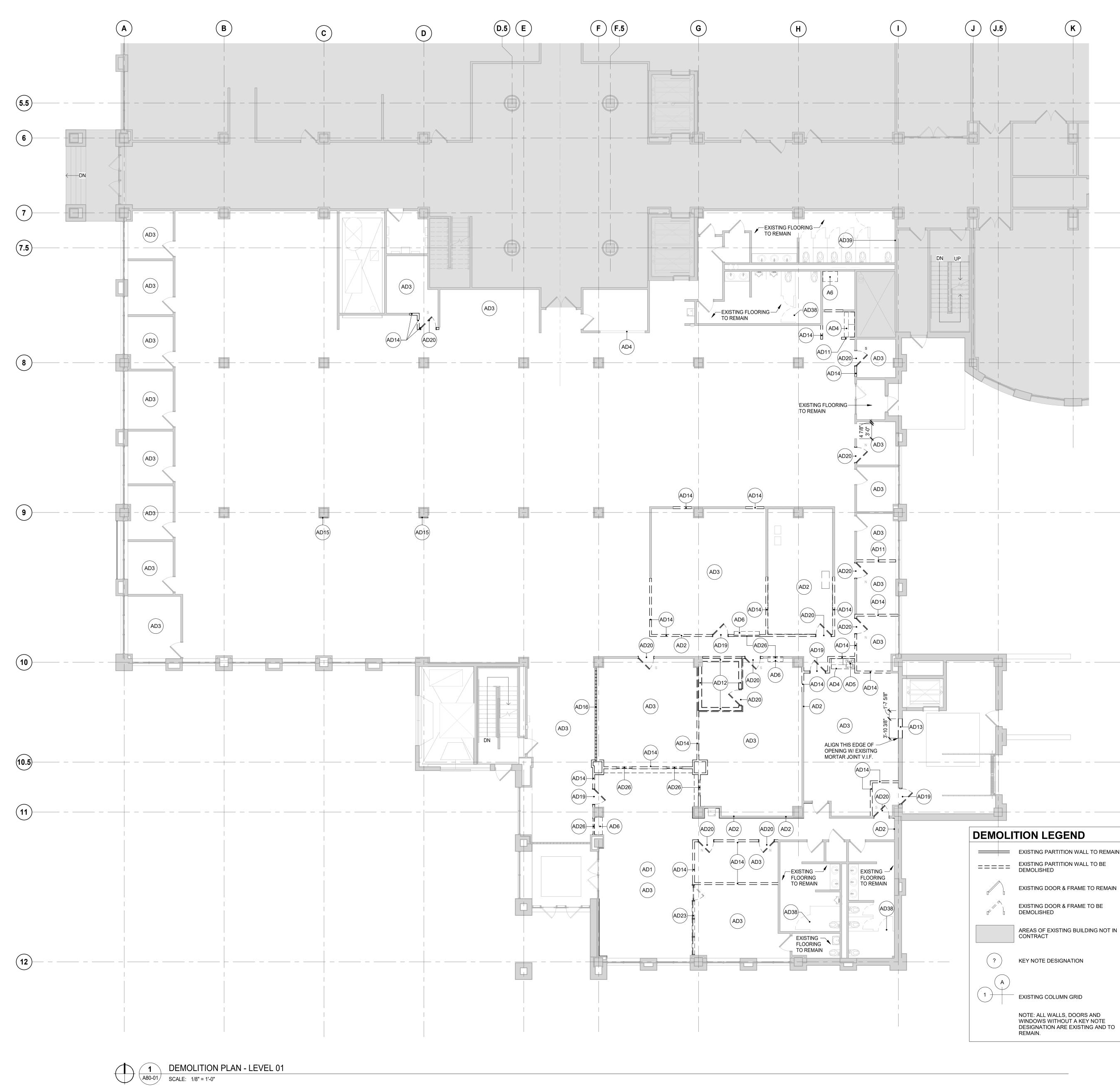




LOWER CASEWORK ANCHORAGE **3** ` \A72-01/ SCALE: 3" = 1'-0"

**ISSUED FOR** REV DATE 04-24-2024 | BID / PERMIT 1 This drawing has been prepared solely for the use of St. Clair County Health Department and there are no representations of any kind made by NORR to any party with whom NORR has not entered into a contract. This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer Project Component Key Plan Consultants Survey: Civil: Architecture: NORR Structural: NORR Mechanical: NORR Electrical: NORR Interiors: NORR Landscape: Seal(s) NORR 150 W. Jefferson Avenue., Suite 1300 Detroit, MI, US 48226 norr.com Project Manager Drawn B. Colburn Drawer Checked Project Leader Checker J. Brock Client St. Clair County Health Department St. Clair County Health **Department Relocation** 220 Fort Street Port Huron, MI 48060 Drawing Title **TYPICAL CASEWORK &** MILLWORK DETAILS Scale As indicated Project No. JCDT23-0185 Drawing No. A72-01 ARCH E Title Block - v.2023 - Rev (March/2023) - Copyright © 2023





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# DEMOLITION GENERAL NOTES 1. OBTAIN DEMOLITION PERMITS AS REQUIRED.

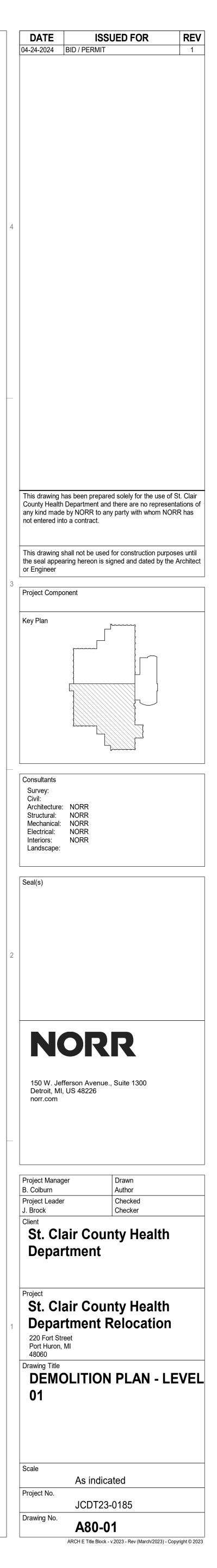
- FURNISH ALL LABOR AND MATERIALS/EQUIPMENT AS REQUIRED TO COMPLETE DEMOLITION AND REMOVAL OF ALL ITEMS AS INDICATED.
   IF ANY QUESTIONS ARISE AS TO THE REMOVAL OF ANY MATERIAL, CLARIFY QUESTION WITH THE
- OWNER/ARCHITECT BEFORE PROCEEDING.
  4. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS WITHIN THE DEMOLITION AREA AND REPORT ANY DISCREPANCIES TO THE ARCHITECT/DESIGNER FOR CLARIFICATION BEFORE PROCEEDING.
  5. THE GENERAL CONTRACTOR SHALL REVIEW THE ENTIRE DRAWING SET AND VERIFY ALL PROPOSED WORK AND MEASUREMENTS IN THE FIELD PRIOR TO THE START OF CONSTRUCTION NOTICE THE
- WORK AND MEASUREMENTS IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IN PLAN.
  CONTRACTOR TO VERIFY WITH OWNER ALL ITEMS / HARDWARE TO BE SALVAGED PRIOR TO DEMOLITION.
  CONTRACTOR TO PROVIDE SAFE PASSAGE OF PERSONS AROUND AREA OF DEMOLITION.
  CONTRACTOR TO MAINTAIN ALL EGRESS DOORS, AND ACCESS TO ALL EGRESS EXIT DOORS
- THROUGHOUT ALL DEMOLITION/NEW CONSTRUCTION.
   DEMOLISH ITEMS IN A WORKMAN-LIKE MANNER FROM TOP TO BOTTOM OR AS NEEDED TO PREVENT COLLAPSE. TAKE CARE TO PREVENT DAMAGE TO SURROUNDING CONSTRUCTION. DO NOT DEMOLISH ANY ITEM THAT MAY BE STRUCTURAL IN NATURE, IF SUCH ITEMS ARE ENCOUNTERED CONTACT THE ARCHITECT FOR DIRECTION PRIOR TO DEMOLISHING THE ITEM.
   POLLUTION CONTROL - CONTRACTOR TO ERECT BARRIERS TO MINIMIZE THE SPREAD OF DUST, DEBRIS,
- AND DIRT FROM AREAS OF DEMOLITION TO AREAS OF OCCUPANCY AND ADJACENT PUBLIC SPACES AS BASED ON APPLICABLE GOVERNING REGULATIONS. CONTRACTOR TO PROVIDE POLLUTION CONTROL PLAN PRIOR TO START OF WORK WITH SATISFIED APPROVAL FROM OWNER. PREVENT DUST AND DEBRIS FROM EMANATING FROM DEMOLITION/CONSTRUCTION AREA. KEEP AREA CLEAN.
   ALL DEBRIS REMOVAL SHALL BE PERFORMED IN ACCORDANCE WITH BUILDING MANAGEMENT
- REQUIREMENTS AND PROCEDURES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL REMOVED ITEMS IN A SAFE AND ENVIRONMENTALLY ACCEPTABLE MANNER COMPLYING WITH FEDERAL, STATE AND LOCAL GUIDELINES FOR DISPOSING OF MATERIALS. WHERE PARTITIONS ARE TO BE REMOVED, REMOVE ALL OUTLETS, SWITCHES, WIRES, THERMOSTATS,
- ETC. TO PANELS AND TERMINATE IN COMPLIANCE WITH APPLICABLE BUILDING CODES.
  13. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES RELATED TO THE ADJACENT AREAS WHICH ARE THE RESULT OF THE DEMOLITION PROCESS. IF DURING DEMOLITION ANY EXISTING CONSTRUCTION / FINISHES ARE DAMAGED CONTRACTOR IS RESPONSIBLE TO REPAIR AT NO COST TO OWNER.
  14. CUT, CAP AND REMOVE PLUMBING PIPES AND APPURTENANCES.
- 15. REMOVAL OF ALL EQUIPMENT, CABLING, SWITCHES, AND CONDUIT PERTAINING TO DATA/COMMUNICATIONS AND TELEPHONE SHALL BE VERIFIED WITH TELEPHONE COMPANIES, SERVICE OWNER OR OWNERS REPRESENTATIVE AS REQUIRED TO PREVENT NEW CONSTRUCTION DELAYS.
   16. COORDINATE ALL WORK CONCERNING EXISTING EQUIPMENT AND SERVICES TO REMAIN. DE-ENERGIZE CIRCUITS AND MAKE THEM SAFE AS REQUIRED BY APPLICABLE CODES. RECONNECT CIRCUITS THAT ARE TO REMAIN AND ARE DISRUPTED DURING DEMOLITION
- TO REMAIN AND ARE DISRUPTED DURING DEMOLITION.
  17. CONTRACTOR TO PROVIDE SUPPLEMENTAL LIGHTING SUFFICIENT FOR SAFE WORKING CONDITIONS THROUGHOUT COURSE OF DEMOLITION/NEW CONSTRUCTION AS REQUIRED.
  18. PREP & PATCH WALLS, CEILINGS & FLOORS IF AFFECTED BY DEMOLITION. REPAIR AS REQUIRED TO MEET ORIGINAL FIRE PROTECTION AND STRUCTURAL REQUIREMENTS.
  19. WHERE IT BECOMES NECESSARY TO TEMPORARILY DISTURB SYSTEMS TO PERMIT EXECUTION OF THE
- DEMOLITION PROCESS, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE OWNER AND CONSTRUCTION MANAGER TO SCHEDULE A SHUTDOWN. THE CONTRACTOR SHALL GIVE A MINIMUM OF 7 DAYS ADVANCED NOTICE FOR ANY SHUTDOWN.
   20. THE CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL, ELECTRICAL, AND PLUMBING DEMOLITION DRAWINGS FOR ITEMS TO REMAIN IN EXISTING PARTITIONS TO REPORT TO SET DEMOL/CE. WITHOUT TO REPORT TO SET DEMOL/CE.
- DRAWINGS FOR ITEMS TO REMAIN IN EXISTING PARTITIONS TO BE REMOVED. WHERE REQUIRED, CONTRACTOR WILL PROVIDE TEMPORARY SUPPORT OR REROUTING UNTIL NEW CONSTRUCTION IS IN PLACE. 21. EXISTING CONSTRUCTION TO REMAIN SHALL BE PRESERVED AND PROTECTED DURING CONSTRUCTION. EXISTING CONSTRUCTION TO REMAIN SHALL BE PATCHED AND REPAIRED TO MATCH EXISTING
- CONDITIONS AT NO ADDITIONAL COST TO THE OWNER, INCLUDING THE MAINTENANCE OF ALL FIRE RATINGS AT STRUCTURAL MEMBERS; SURFACES OF FLOORS, WALLS, CEILINGS, ETC.
  22. SUPPORT OF EXISTING STRUCTURE: PRIOR TO REMOVING EXISTING CONSTRUCTION, PROVIDE TEMPORARY SHEETING, UNDERPINNING, SHORING AND BRACING TO CARRY THE LOADS AND STRESSES WITH STOOD IN PLACE BY THE ITEMS TO BE REMOVICE.
- WITHSTOOD IN PLACE BY THE ITEMS TO BE REMOVED.
  23. AREAS SHOWN FOR DEMOLITION ARE APPROXIMATE. ACCURATE EDGES TO BE SET BY THE CONTRACTOR IN THE FIELD.
  24. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.
- 25. WHEN CORING FOR SCHEDULED PLUMBING PENETRATIONS CONFLICTS WITH EXISTING STRUCTURAL CONCRETE RIBS, BEAMS, GIRDERS, ETC...ADJUST CORING LOCATION TO AVOID THOSE STRUCTURAL ELEMENTS TO NEAREST ADJACENT CLEAR SLAB CONSTRUCTION. AVOID CUTTING REBAR TO GREATEST EXTENT POSSIBLE.
   26. DEMOLITION PLAN DOES NOT INCLUDE HAZARDOLIS MATERIAL ARATEMENT. AND REMEDIATION
- DEMOLITION PLAN DOES NOT INCLUDE HAZARDOUS MATERIAL, ABATEMENT, AND REMEDIATION PROCEDURES. COVERED UNDER SEPARATE CONTRACT.
   ALL CUTTING AND CHASING OF BUILDING CONSTRUCTION SHALL BE IN A NEAT AND WORKMANLIKE
- MANNER. NEATLY SAWCUT ALL RECTANGULAR OPENINGS, SET SLEEVES THROUGH OPENINGS, AND FINISH PATCH OR PROVIDE TRIM AROUND OPENINGS. CORE DRILL AND SLEEVE ALL ROUND OPENINGS. 28. GENERAL CONTRACTOR TO DEMOLISH EXISTING FLOOR FINISH (INCLUDING BUT NOT LIMITED TO TILE,
- CARPET, & VINYL FLOORING) AND WALL BASE IN ITS ENTIRETY AS NOTED WITHIN THE SCOPE OF WORK AREA.
  29. DEMOLISH ALL EXISTING LIGHTING FIXTURES IN SCOPE OF WORK WITH EXCEPTION OF EXISTING LED
- FIXTURES. CONTRACTOR TO VERIFY ONSITE EXTENT OF FIXTURE DEMOLITION AND COORDINATE WITH OWNER.

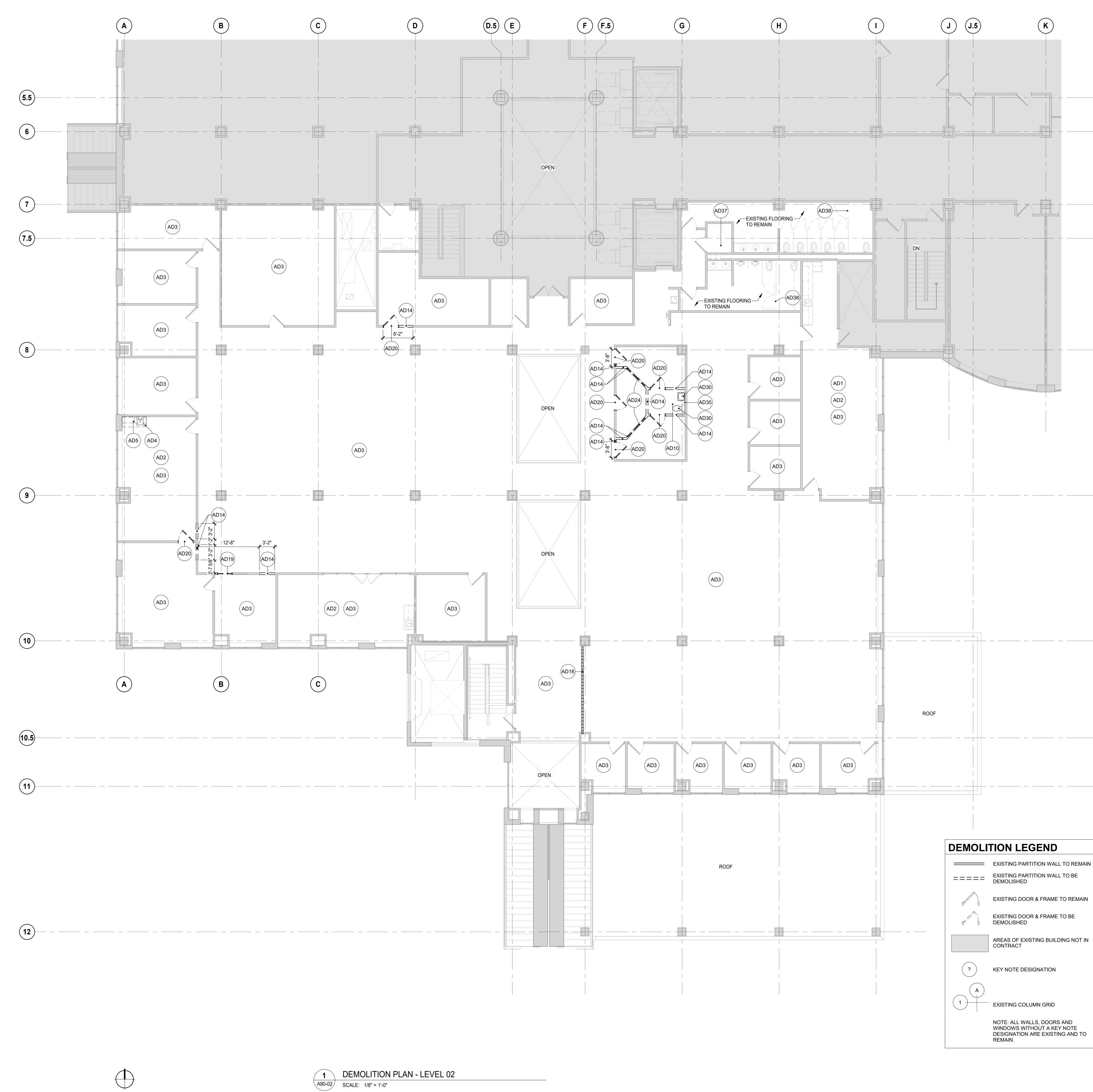
# DEMO KEYNOTE LEGEND

AD39

Key Value	Keynote Text
AD1	REMOVE AND RETURN TO OWNER ANY EXISTING FURNITURE AND ANY WALL MOUNTED OFFICE
ADT	EQUIPMENT INCLUDING, BUT NOT LIMITED TO DESKS, CHAIRS, FILE CABINETS, WHITE BOARDS, BULLETIN BOARDS, & DISPLAY CASES. PATCH AND REPAIR ADJACENT SURFACES TO ACCEPT NEW FINISHES
AD2	REMOVE EXISTING WALL MOUNTED OFFICE EQUIPMENT INCLUDING, BUT NOT LIMITED TO, WHITE BOARDS, BULLETIN BOARDS, & DISPLAY CASES. PATCH AND REPAIR ADJACENT SURFACES TO ACCEPT NEW FINISHES
AD3	DEMOLISH EXISTING FLOOR FINISH (CARPET & VINYL FLOORING) AND WALL BASE IN ITS ENTIRETY, IN PROJECT SCOPE AREA. PATCH AND REPAIR CONCRETE AS NECESSARY TO ACCOMMODATE NEW FLOOR FINISH. REMAINING FLOOR FINISH TO BE MADE GOOD AT NEW CONSTRUCTION.
AD4	DEMOLISH EXISTING MILLWORK COMPLETELY INCLUDING, BUT NOT LIMITED TO; UPPER CABINETS, BASE CABINETS, COUNTERTOPS AND PLUMBING. PATCH AND REPAIR ADJACENT SURFACES TO ACCEPT NEW FINISHES.
AD5	DEMOLISH EXISTING UPPER WALL MOUNTED CABINETRY AND ASSOCIATED SOFFIT CONSTRUCTION. PATCH AND REPAIR ADJACENT SURFACES TO ACCEPT NEW FINISHES
AD6	DEMOLISH EXISTING COUNTERTOP. PATCH AND REPAIR ADJACENT SURFACES TO ACCEPT NEW FINISHES
AD8	REMOVE EXISTING FIRE EXTINGUISHERS & MOUNTING / CABINETRY. COORD. W/ OWNER EXTENT OF SALVAGE / RETURN OF THOSE ITEMS.
AD9	EXISTING FIRE EXTINGUSHER AND CABINET TO REMOVED AND RELOCATED TO MEET CURRENT CODE. LOCATION TO BE INDICATED IN NEW WORK.
AD10	REMOVE ALL EXISTING GRAB BARS AND TOILET EQUIPMENT INCLUDING, BUT NOT LIMITED TO, TOILET PAPER HOLDERS, SANITARY NAPKIN RECEPTACLES, AND TOILET SEAT COVER DISPENSERS. PATCH AND REPAIR ADJACENT SURFACES TO ACCEPT NEW FINISHES
AD11	DEMOLISH EXISTING FRAMED WALLS, INCLUDING BUT NOT LIMITED TO ALL FRAMING, BRACING, WALL BASE, TRIM, AND FINISHES. DEMOLISH FULL HEIGHT FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE UON.
AD12	DEMOLISH EXISTING MASONRY WALLS, INCLUDING BUT NOT LIMITED TO ALL WALL BASE, TRIM, AND FINISHES. DEMOLISH FULL HEIGHT WALLS FROM FLOOR TO UNDERSIDE OF STRUCTURE ABOVE UON.
AD13	DEMOLISH PORTION OF EXISTING MASONRY WALL TO PROVIDE NEW DOOR OPENING / DUCTWORK PENETRATION. SHORE WALL AS NECESSARY FOR INSTALLATION OF NEW STRUCTURAL HEADER. PATCH AND REPAIR ADJACENT SURFACES TO ACCEPT NEW FINISH, MAINTAIN ANY ASSOCIATED FIRE RATED CONSTRUCTIONS AT THESE LOCATIONS.
AD14	DEMOLISH PORTION OF EXISTING WALL FOR NEW DOOR INSTALLATION. PATCH AND REPAIR ADJACENT SURFACES TO ACCEPT NEW DOOR, REFER TO DOOR SCHEDULE FOR SIZE & TYPE.
AD15	DEMOLISH EXISTING FRAMED COLUMN ENCLOSURE BUILDOUT (THIS FACE ONLY). PATCH AND REPAIR ANY DAMAGE TO EXISTING COLUMN FIREPROOFING, AND PREPARE COLUMN FOR NEW ENCLOSURE CONSTRUCTION AS NECESSARY
AD16	DEMOLISH EXISTING GLASS BLOCK WALL, INCLUDING BUT NOT LIMITED TO ALL WALL BASE, TRIM, FINISHES AND ASSOCIATED STUD WALL FRAMING ABOVE.
AD17	HATCH INDICATES EXTENT OF PRE-CAST CONCRETE PLANK REMOVAL AND ASSOCIATED STRUCTURAL DEMOLITION FOR FUTURE SHAFT. REF. TO STRUCTURAL DRAWINGS. PATCH ADJACENT MATERIALS AND FINISHES FOR NEW FINISH INSTALLATION.
AD19	REMOVE EXISTING DOOR, FRAME, AND ASSOCIATED HARDWARE IN ITS ENTIRETY AND RETURN TO BUIDING OWNER. PATCH AND REPAIR REMAINING SURFACES FOR NEW WORK.
AD20	REMOVE EXISTING DOOR, FRAME, AND ASSOCIATED HARDWARE IN ITS ENTIRETY AND SAVE FOR REUSE. PATCH AND REPAIR REMAINING SURFACES FOR NEW WORK.
AD23	DEMOLISH EXISTING STOREFRONT WINDOW SYSTEM FRAMING, GLAZING, DOORS, DOOR HARDWARE, AND ASSOCIATED STUD WALL FRAMING ABOVE.
AD24	DEMOLISH EXISTING WINDOW IN IT'S ENTIRETY. PATCH AND PREP FOR NEW WORK. REPAIR ANY ADJACENT SURFACES TO ACCEPT NEW FINISH.
AD26	REMOVE EXISTING CONCESSION / SERVICE WINDOW AND FRAME IN ITS ENTIRETY. PATCH AND REPAIR EXISTING ADJACENT SURFACES REMAINING TO ACCEPT NEW FINISHES.
AD30	DEMOLISH EXISTING PLUMBING FIXTURE. REMOVE EXISTING ASSOCIATED PIPING AND CAP ABOVE FINISHED CEILING OR BELOW FLOOR. VERIFY IN FIELD PIPING TO BE REMOVED. REFER TO MECHANICAL DWGS.
AD35	MARK IN FIELD ALL EXISTING HOLLOWCORE FLOOR SANITARY AND/OR VENT LOCATIONS FOR COORDINATION OF NEW WORK.
AD37	DEMOLISH EXISTING MOP SINK PLUMBING FIXTURE. PREPARE ADAJACENT SURFACES AND ASSOCIATED PLUMBING TO ACCEPT NEW FLOOR MOUNTED PLUMBING FIXTURE AND FINISHES. REFER TO MECHANICAL DWGS.
AD38	REMOVE EXISTING TOILET ROOM HANDICAP PARTITION DOOR AND DOOR SWING MECHANISM. SAVE DOOR FOR REINSTALLATION WITH NEW HARWARE. (TYP FOR ALL HC DOORS IN PROJECT SCOPE AREA)
1 000	

REMOVE EXISTING WALLPAPER AND PREPARE WALL TO RECEIVE NEW FINISHES





EXISTING DOOR & FRAME TO REMAIN EXISTING DOOR & FRAME TO BE

AD39

WINDOWS WITHOUT A KEY NOTE DESIGNATION ARE EXISTING AND TO

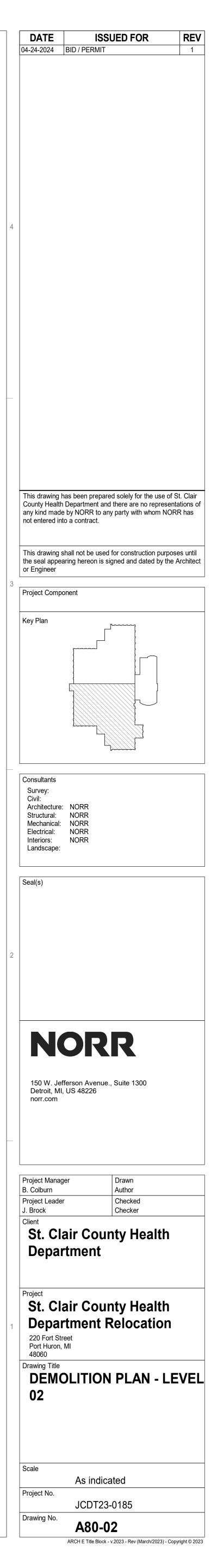
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- 25. WHEN CORING FOR SCHEDULED PLUMBING PENETRATIONS CONFLICTS WITH EXISTING STRUCTURAL CONCRETE RIBS, BEAMS, GIRDERS, ETC...ADJUST CORING LOCATION TO AVOID THOSE STRUCTURAL ELEMENTS TO NEAREST ADJACENT CLEAR SLAB CONSTRUCTION. AVOID CUTTING REBAR TO GREATEST EXTENT POSSIBLE. 26. DEMOLITION PLAN DOES NOT INCLUDE HAZARDOUS MATERIAL, ABATEMENT, AND REMEDIATION
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- 29. DEMOLISH ALL EXISTING LIGHTING FIXTURES IN SCOPE OF WORK WITH EXCEPTION OF EXISTING LED FIXTURES. CONTRACTOR TO VERIFY ONSITE EXTENT OF FIXTURE DEMOLITION AND COORDINATE WITH OWNER.

### DEMO KEYNOTE LEGEND

	Kaunata Taut
Key Value	•
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AD24	DEMOLISH EXISTING WINDOW IN IT'S ENTIRETY. PATCH AND PREP FOR NEW WORK. REPAIR ANY ADJACENT SURFACES TO ACCEPT NEW FINISH.
AD26	REMOVE EXISTING CONCESSION / SERVICE WINDOW AND FRAME IN ITS ENTIRETY. PATCH AND REPAIR EXISTING ADJACENT SURFACES REMAINING TO ACCEPT NEW FINISHES.
AD30	DEMOLISH EXISTING PLUMBING FIXTURE. REMOVE EXISTING ASSOCIATED PIPING AND CAP ABOVE FINISHED CEILING OR BELOW FLOOR. VERIFY IN FIELD PIPING TO BE REMOVED. REFER TO MECHANICAL DWGS.
AD35	MARK IN FIELD ALL EXISTING HOLLOWCORE FLOOR SANITARY AND/OR VENT LOCATIONS FOR COORDINATION OF NEW WORK.
AD37	DEMOLISH EXISTING MOP SINK PLUMBING FIXTURE. PREPARE ADAJACENT SURFACES AND ASSOCIATED PLUMBING TO ACCEPT NEW FLOOR MOUNTED PLUMBING FIXTURE AND FINISHES. REFER TO MECHANICAL DWGS.
AD38	REMOVE EXISTING TOILET ROOM HANDICAP PARTITION DOOR AND DOOR SWING MECHANISM. SAVE DOOR FOR REINSTALLATION WITH NEW HARWARE. (TYP FOR ALL HC DOORS IN PROJECT SCOPE AREA)
1020	REMOVE EXISTING WALL BARER AND REPARE WALL TO RECEIVE NEW FINISHES

REMOVE EXISTING WALLPAPER AND PREPARE WALL TO RECEIVE NEW FINISHES



4/23/2024 5:42:55 PN



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# **DEMOLITION GENERAL NOTES**

OBTAIN DEMOLITION PERMITS AS REQUIRED.
 FURNISH ALL LABOR AND MATERIALS/EQUIPMENT AS REQUIRED TO COMPLETE DEMOLITION AND

- REMOVAL OF ALL ITEMS AS INDICATED. 3. IF ANY QUESTIONS ARISE AS TO THE REMOVAL OF ANY MATERIAL, CLARIFY QUESTION WITH THE
- OWNER/ARCHITECT BEFORE PROCEEDING.
   THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS WITHIN THE DEMOLITION AREA AND REPORT ANY DISCREPANCIES TO THE ARCHITECT/DESIGNER FOR CLARIFICATION BEFORE PROCEEDING.
   THE GENERAL CONTRACTOR SHALL REVIEW THE ENTIRE DRAWING SET AND VERIFY ALL PROPOSED WORK AND MEASUREMENTS IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. NOTIFY THE
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  7. CONTRACTOR TO PROVIDE SAFE PASSAGE OF PERSONS AROUND AREA OF DEMOLITION.
  8. CONTRACTOR TO MAINTAIN ALL EGRESS DOORS, AND ACCESS TO ALL EGRESS EXIT DOORS
- THROUGHOUT ALL DEMOLITION/NEW CONSTRUCTION.
  9. DEMOLISH ITEMS IN A WORKMAN-LIKE MANNER FROM TOP TO BOTTOM OR AS NEEDED TO PREVENT COLLAPSE. TAKE CARE TO PREVENT DAMAGE TO SURROUNDING CONSTRUCTION. DO NOT DEMOLISH ANY ITEM THAT MAY BE STRUCTURAL IN NATURE, IF SUCH ITEMS ARE ENCOUNTERED CONTACT THE ARCHITECT FOR DIRECTION PRIOR TO DEMOLISHING THE ITEM.
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- WHERE PARTITIONS ARE TO BE REMOVED, REMOVE ALL OUTLETS, SWITCHES, WIRES, THERMOSTATS, ETC. TO PANELS AND TERMINATE IN COMPLIANCE WITH APPLICABLE BUILDING CODES.
   CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES RELATED TO THE ADJACENT AREAS WHICH ARE THE RESULT OF THE DEMOLITION PROCESS. IF DURING DEMOLITION ANY EXISTING CONSTRUCTION / FINISHES ARE DAMAGED CONTRACTOR IS RESPONSIBLE TO REPAIR AT NO COST TO OWNER.
- CUT, CAP AND REMOVE PLUMBING PIPES AND APPURTENANCES.
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- COORDINATE ALL WORK CONCERNING EXISTING EQUIPMENT AND SERVICES TO REMAIN. DE-ENERGIZE CIRCUITS AND MAKE THEM SAFE AS REQUIRED BY APPLICABLE CODES. RECONNECT CIRCUITS THAT ARE TO REMAIN AND ARE DISRUPTED DURING DEMOLITION.
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- PREP & PATCH WALLS, CEILINGS & FLOORS IF AFFECTED BY DEMOLITION. REPAIR AS REQUIRED TO MEET ORIGINAL FIRE PROTECTION AND STRUCTURAL REQUIREMENTS.
   WHERE IT BECOMES NECESSARY TO TEMPORARILY DISTURB SYSTEMS TO PERMIT EXECUTION OF THE
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  20. THE CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL, ELECTRICAL, AND PLUMBING DEMOLITION DRAWINGS FOR ITEMS TO REMAIN IN EXISTING PARTITIONS TO BE REMOVED. WHERE REQUIRED,
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  23. AREAS SHOWN FOR DEMOLITION ARE APPROXIMATE. ACCURATE EDGES TO BE SET BY THE CONTRACTOR IN THE FIELD.
- REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.
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- 27. ALL CUTTING AND CHASING OF BUILDING CONSTRUCTION SHALL BE IN A NEAT AND WORKMANLIKE MANNER. NEATLY SAWCUT ALL RECTANGULAR OPENINGS, SET SLEEVES THROUGH OPENINGS, AND FINISH PATCH OR PROVIDE TRIM AROUND OPENINGS. CORE DRILL AND SLEEVE ALL ROUND OPENINGS.
- 28. GENERAL CONTRACTOR TO DEMOLISH EXISTING FLOOR FINISH (INCLUDING BUT NOT LIMITED TO TILE, CARPET, & VINYL FLOORING) AND WALL BASE IN ITS ENTIRETY AS NOTED WITHIN THE SCOPE OF WORK
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### **CEILING DEMO KEYNOTE LEGEND**

Key Value	Keynote Text
AD50	DEMOLISH EXISTING ACOUSTICAL CEILING INCLUDING, BUT NOT LIMITED TO, ACOUSTIC CEILING TILE, GRID, PADS, SUSPENSION WIRE, AND BRACING ABOVE CEILING IN SCOPE OF WORK. STORE ALL GOOD QUALITY CEILING TILES FOR REUSE WITH REMAINING EXISTING.
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# **DEMOLITION LEGEND**

 EXISTING PARTITION WALL TO REMAIN

 EXISTING PARTITION WALL TO BE

 DEMOLISHED

 EXISTING DOOR & FRAME TO REMAIN

 EXISTING DOOR & FRAME TO BE

 DEMOLISHED

 AREAS OF EXISTING BUILDING NOT IN

 CONTRACT

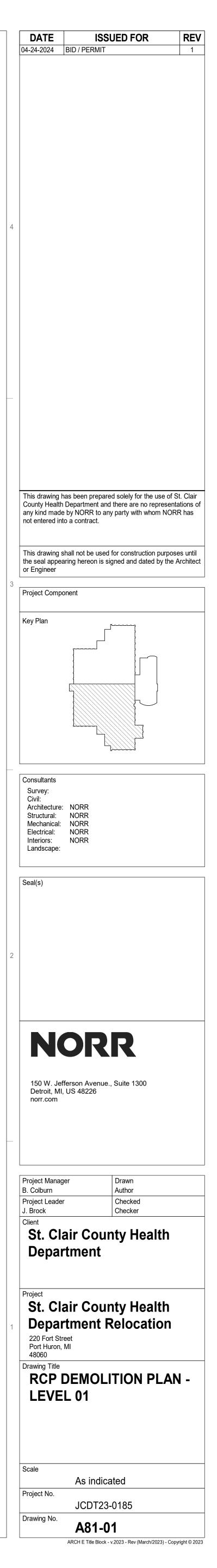


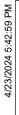


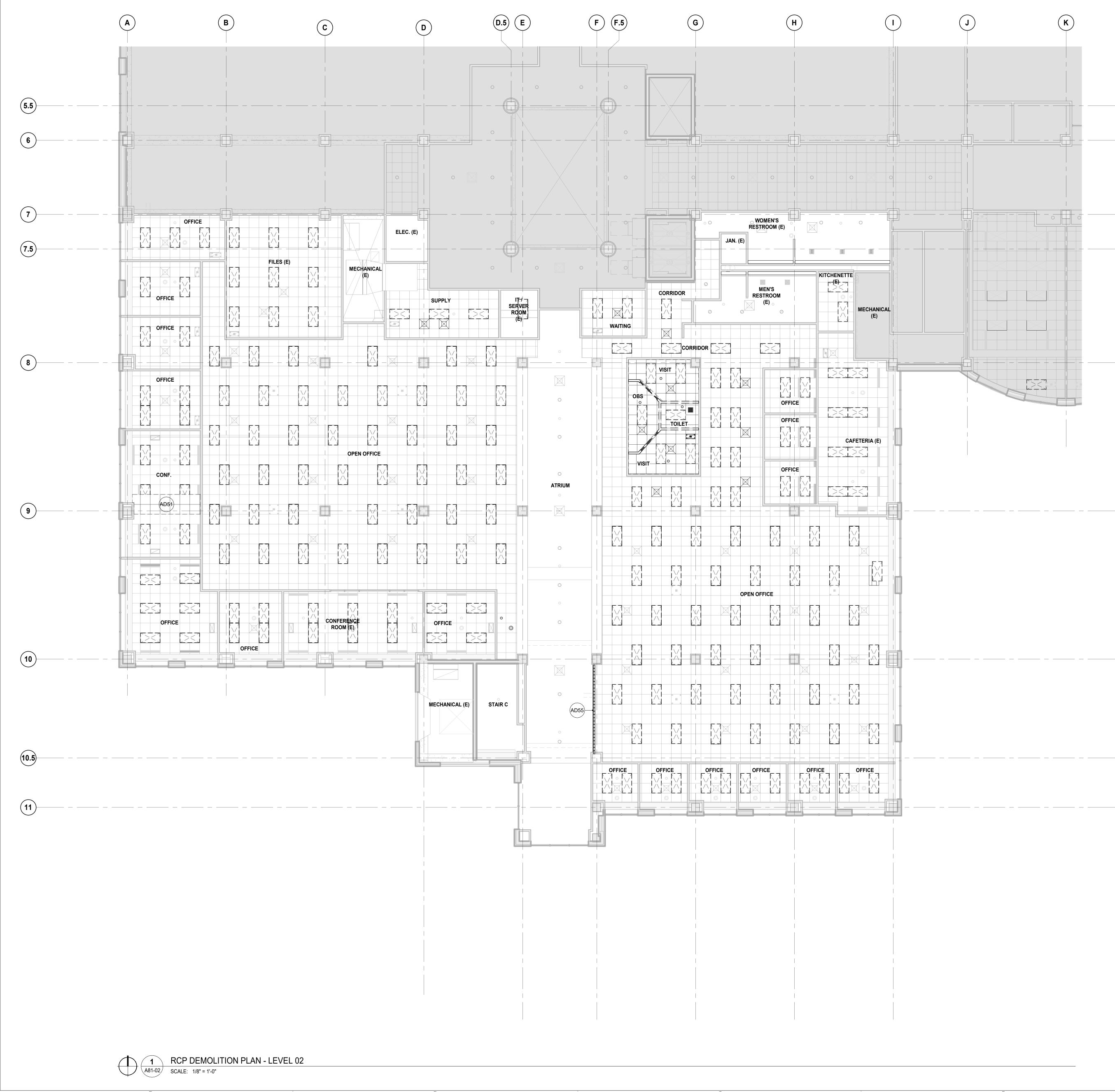
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EXISTING COLUMN GRID

NOTE: ALL WALLS, DOORS AND WINDOWS WITHOUT A KEY NOTE DESIGNATION ARE EXISTING AND TO REMAIN







ocs://St. Clair County Health Department Relocation/JCDT23-0185\_ARi\_StClairCntyHealthDe

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   EXISTING PARTITION WALL TO BE

   DEMOLISHED

   EXISTING DOOR & FRAME TO REMAIN

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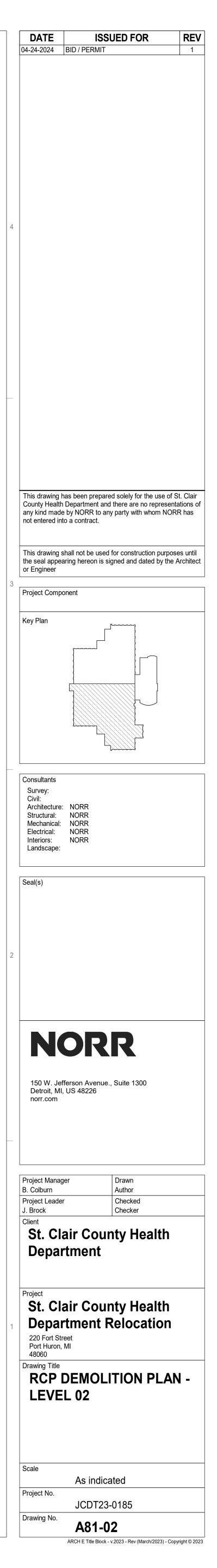
   DEMOLISHED
  - AREAS OF EXISTING BUILDING NOT IN CONTRACT
  - KEY NOTE DESIGNATION
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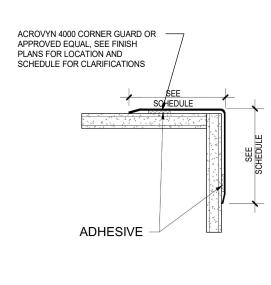
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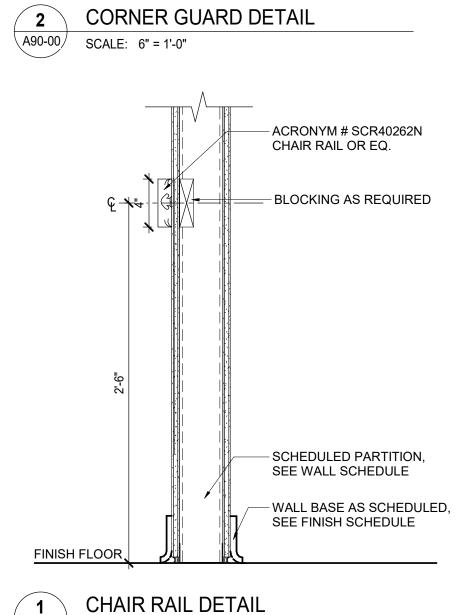
EXISTING COLUMN GRID

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TAG	MATERIAL	MANUFACTURER
AC-01	ACOUSTIC CEILING TILE (ACT)	ARMSTRONG
AC-02	ACOUSTIC CEILING TILE	ARMSTRONG
AC-03	(ACT) ACOUSTIC FELT CEILING TILE	MDC INTERIOR SOLUTIONS
AC-04	(ACT) ACOUSTIC FELT CEILING TILE	MDC INTERIOR SOLUTIONS
AC-05	(ACT) ACOUSTIC FELT CEILING TILE	
A0-00	(ACT)	
AC-06	ACOUSTIC FELT CEILING TILE (ACT)	MDC INTERIOR SOLUTIONS
AC-07	ACOUSTIC FELT CEILING TILE (ACT)	MDC INTERIOR SOLUTIONS
AC-08	ACOUSTIC FELT CEILING TILE (ACT)	MDC INTERIOR SOLUTIONS
AC-09	ACOUSTIC CEILING CLOUD	BUZZI SPACE
CPT-01	CARPET TILE	EF CONTRACT
CPT-02	WALK-OFF CARPET TILE	EF CONTRACT
CT-01	CERAMIC PORCELAIN TILE	ATLAS CONCORDE
	CERAMIC WALL TILE	IMOLA / BEAVER TILE &
CT-02		STONE
PL-01	PLASTIC LAMINATE	ARBORITE
PL-02	PLASTIC LAMINATE	LAMINART
PT-01		SHERWIN WILLIAMS
PT-02	INTERIOR PAINT	SHERWIN WILLIAMS
PT-03	INTERIOR PAINT	SHERWIN WILLIAMS
PT-04	INTERIOR PAINT	SHERWIN WILLIAMS
PT-05	INTERIOR PAINT	SHERWIN WILLIAMS
PT-06	INTERIOR PAINT	SHERWIN WILLIAMS
PT-07	INTERIOR PAINT	SHERWIN WILLIAMS
PT-08	INTERIOR PAINT	SHERWIN WILLIAMS
RF-01	RESILIENT FLOOR - HETEROGENEOUS SHEET VINYL	TARKETT
RF-02	RESILIENT FLOOR -	TARKETT
RF-03	HOMOGENEOUS VINYL RESILIENT FLOOR - LUXURY	KARNDEAN
RF-04	VINYL TILE RESILIENT FLOOR -	TARKETT
RF-05	HOMOGENEOUS VINYL RESILIENT FLOOR -	TARKETT
	HOMOGENEOUS VINYL	
RF-06	RESILIENT FLOOR - HOMOGENEOUS VINYL	TARKETT
RF-07	RESILIENT FLOOR - HOMOGENEOUS VINYL	TARKETT
RF-08	RESILIENT FLOOR - HOMOGENEOUS VINYL	TARKETT
SS-01	SOLID SURFACE	WILSONART
SS-02	SOLID SURFACE	WILSONART
WB-01	RESILIENT WALL BASE	TARKETT / JOHNSONITE
WB-02	RESILIENT WALL BASE	TARKETT / JOHNSONITE
WC-01 WC-02	WALLCOVERING WALLCOVERING	DESIGNTEX KOROSEAL
WC-02 WC-03	WALLCOVERING	GRAVITY DIGITAL WALLS / FASHION DESIGN
WP-01	WALL PROTECTION CORNER	RESOURCE CS ACROVYN
WP-02	GUARDS WALL PROTECTION CORNER	CS ACROVYN
	GUARDS	1





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1CHAIR RAIL DETAILA90-00SCALE: 1 1/2" = 1'-0"

./23/2024 5:43:01 P

A70 MATERIAL SCHEDULE	
PRODUCT DETAILS	LOCATION / CO
PRODUCT: OPTIMA HEALTH ZONE; STYLE: SQUARE LAY-IN TEGULAR TILES; SIZE: 24"X24"; COLOR: WHITE; GRID: PRELUDE XL 15/16" SUSPENSION SYSTEM	LOCATIONS: ACOUSTIC CEILING SYSTEM THROUGHOUT FIRST FLOOR AT NE CONTACT: JANICE BAYS, 313-418-3541, JABAYS@ARMSTRONGCEILINGS.COM
	LOCATIONS: ACOUSTIC CEILING SYSTEM; REFER TO REFLECTED CEILING PI JABAYS@ARMSTRONGCEILINGS.COM
STYLE: ZINTRA EMBOSSED CEILINGS; PRODUCT: ACOUSTIC FELT CEILING TILE; CONTENT: 100% POLYESTER; PATTERN: SANDGLASS; COLOR: PEWTER (GRAY); SIZE: 24"X24" (TO COORDINATE WITH EXISTING CEILING GRID)	LOCATIONS: LEVEL 02 OPEN OFFICE AREA; REFER TO REFLECTED CEILING F
STYLE: ZINTRA EMBOSSED CEILINGS; PRODUCT: ACOUSTIC FELT CEILING TILE; CONTENT: 100% POLYESTER; PATTERN: SANDGLASS; COLOR: SMOKE (LT GRAY); SIZE: 24"X24" (TO COORDINATE WITH EXISTING CEILING GRID)	LOCATIONS: LEVEL 02 OPEN OFFICE AREA; REFER TO REFLECTED CEILING F
STYLE: ZINTRA EMBOSSED CEILINGS; PRODUCT: ACOUSTIC FELT CEILING TILE; CONTENT: 100% POLYESTER; PATTERN: SANDGLASS; COLOR: SUNSHINE (YELLOW); SIZE: 24"X24" (TO COORDINATE WITH EXISTING CEILING GRID)	LOCATIONS: LEVEL 02 OPEN OFFICE AREA; REFER TO REFLECTED CEILING F
STYLE: ZINTRA EMBOSSED CEILINGS; PRODUCT: ACOUSTIC FELT CEILING TILE; CONTENT: 100% POLYESTER; PATTERN: SANDGLASS; COLOR: MANDARIN (ORANGE); SIZE: 24"X24" (TO COORDINATE WITH EXISTING CEILING GRID)	LOCATIONS: LEVEL 02 OPEN OFFICE AREA; REFER TO REFLECTED CEILING I
STYLE: ZINTRA EMBOSSED CEILINGS; PRODUCT: ACOUSTIC FELT CEILING TILE; CONTENT: 100% POLYESTER; PATTERN: SANDGLASS; COLOR: GRASS (GREEN); SIZE: 24"X24" (TO COORDINATE WITH EXISTING CEILING GRID)	LOCATIONS: LEVEL 02 OPEN OFFICE AREA; REFER TO REFLECTED CEILING F
STYLE: ZINTRA EMBOSSED CEILINGS; PRODUCT: ACOUSTIC FELT CEILING TILE; CONTENT: 100% POLYESTER; PATTERN: SANDGLASS; COLOR: MALACHITE (TEAL); SIZE: 24"X24" (TO COORDINATE WITH EXISTING CEILING GRID)	LOCATIONS: LEVEL 02 OPEN OFFICE AREA; REFER TO REFLECTED CEILING I
AND BUZZIFELT CURRY #61, CABLE COLOR IN ALUMINUM	LOCATIONS: LEVEL 02 LOUNGE AREA; REFER TO REFLECTED CEILING PLANS JULIE GREENFIELD, 248-885-0315, JGREENFIELD@STELLAGROUPINC.COM
COLLECTION: ALLIANCE; COLOR: MANDARIN (CUSTOMIZED ACCENT YARN); SIZE: 18"X36" TILE; CONTENT: TBD; INSTALLATION: BASKETWEAVE PATTERN; NOTE: DEPOSIT REQUIRED AT TIME OF ORDER FOR CUSTOM CARPET TILE, INCLUDE 10% ADDITIONAL FOR ATTIC STOCK	LOCATIONS: PRIVATE OFFICES, SHARED OFFICES, OPEN OFFICES, U.O.N.; R 248-961-3159, ANNE.WILKINSON@EFCONTRACTFLOORING.COM
COLLECTION: ACCESS; COLOR: INGRESS #AX904; SIZE: 24"X24" TILE; CONTENT: ENCORE SD ULTIMA, TEXTURED LOOP, NEXUS MODULAR BACKING; FINISH: PROTEX SOIL RELEASE; INSTALLATION: QUARTERTURN COLLECTION: PRISM; COLOR: CLOUD; SIZE: 12" X 12" TILE; INSTALLATION: MONOLITHIC; GROUT: TBD	LOCATIONS: VESTIBULE; REFER TO FINISH PLANS / CONTACT: ANNE WILKIN ANNE.WILKINSON@EFCONTRACTFLOORING.COM LOCATIONS: NEW TOILET ROOMS; REFER TO ROOM FINISH SCHEDULE / COM MATTHEW.HODGES@GCTILE.COM
COLLECTION: SLASH; COLOR: STILL PALETTE - WHITE; SIZE: 3"X12" TILE; FINISH: GLOSSY; INSTALLATION: 1/3 OFFSET; GROUT: TBD	LOCATIONS: BACKSPLASH IN MOTHER'S ROOM & LEVEL 01 KITCHENETTE; R
STYLE: HIGH PRESSURE PLASTIC LAMINATE; COLOR: EARTHEN HEMP #P356; FINISH: STANDARD FINISH	LOCATION: VERTICAL SURFACE AT MILLWORK, COORDINATE WITH SS-01, U. 734-502-9918, KELLY.REICH@ARBORITE.COM
STYLE: HIGH PRESSURE PLASTIC LAMINATE; COLOR: MYSTIC WOOD #3056; FINISH: VELLUM	LOCATION: VERTICAL SURFACE AT MILLWORK, COORDINATE WITH SS-02, U. 734-502-9918, KELLY.REICH@ARBORITE.COM
COLOR: AESTHETIC WHITE #SW7035; FINISH: SATIN/EG-SHEL AT WALLS COLOR: AESTHETIC WHITE #SW7035; FINISH: FLAT AT CEILINGS	LOCATION: GENERAL WALL PAINT THROUGHOUT, U.O.N. / CONTACT: DAWN ( LOCATION: GENERAL PAINT AT GYP CEILINGS THROUGHOUT, U.O.N. / CONT/ DAWN.M.CENOWA@SHERWIN.COM
COLOR: PEDIMENT #SW7634; FINISH: SATIN AT DOOR FRAMES AND PAINTED DOORS AS REQ'D, REFER TO DOOR SCHEDULE	LOCATION: STANDARD DOOR FRAME PAINT, U.O.N. / CONTACT: DAWN CENO
COLOR: PARAKEET #SW6711 (GREEN); FINISH: SATIN/EG-SHEL AT SELECT WALLS	LOCATION: ACCENT WALL PAINT, REFER TO ROOM FINISH SCHEDULE / CON DAWN.M.CENOWA@SHERWIN.COM
COLOR: INVENTIVE ORANGE #SW6633 (ORANGE); FINISH: SATIN/EG-SHEL AT SELECT WALLS	LOCATION: ACCENT WALL PAINT, REFER TO ROOM FINISH SCHEDULE / CON DAWN.M.CENOWA@SHERWIN.COM
COLOR: SUNRISE #SW6668 (YELLOW); FINISH: SATIN/EG-SHEL AT SELECT WALLS	LOCATION: ACCENT WALL PAINT, REFER TO ROOM FINISH SCHEDULE / CON DAWN.M.CENOWA@SHERWIN.COM
COLOR: AFTER THE RAIN #SW9047 (LIGHT BLUE-TEAL); FINISH: SATIN/EG-SHEL AT SELECT WALLS	LOCATION: ACCENT WALL PAINT, REFER TO ROOM FINISH SCHEDULE / CON DAWN.M.CENOWA@SHERWIN.COM
COLOR: COSMOS #SW6528 (LIGHT BLUE-VIOLET); FINISH: SATIN/EG-SHEL AT SELECT WALLS	LOCATION: ACCENT WALL PAINT, REFER TO ROOM FINISH SCHEDULE / CON DAWN.M.CENOWA@SHERWIN.COM
COLLECTION: ACCZENT; PRODUCT: HETEROGENEOUS SHEET FLOORING WITH WOOD PRINT; COLOR: ALLOVER WOOD GREGE #; SIZE: 6'-6" W ROLL	LOCATION: FIRST FLOOR SHEET FLOORING; REFER TO FINISH PLANS / CONT
COLLECTION: IQ OPTIMA; PRODUCT: HOMOGENEOUS SHEET FLOORING; COLOR: FROTHY LATTE #0821 (BEIGE); SIZE: 6'-6" W ROLL	LOCATION: FIRST FLOOR SHEET FLOORING, 2ND FLOOR LABORATORY; REF PAUL.BROWN@TARKETT.COM
COLLECTION: VAN GOGH GLUEDOWN; PRODUCT: LUXURY VINYL TILE WITH 20 MIL WEAR LAYER; COLOR: NATURAL PRIME OAK; SIZE: 7"X48" PLANK	LOCATION: VINYL TILE FLOORING, LEVEL 02; REFER TO FINISH PLANS / CON KELLY.CASSIDY@KARNDEAN.COM
COLLECTION: IQ OPTIMA; PRODUCT: HOMOGENEOUS SHEET FLOORING; COLOR: CLOVER LEAF #0861 (GREEN); SIZE: 6'-6" W ROLL	LOCATION: FIRST FLOOR ACCENT SHEET FLOORING; REFER TO FINISH PLAN PAUL.BROWN@TARKETT.COM
COLLECTION: IQ OPTIMA; PRODUCT: HOMOGENEOUS SHEET FLOORING; COLOR: TIGER GLOW #0257 (ORANGE); SIZE: 6'-6" W ROLL	LOCATION: FIRST FLOOR ACCENT SHEET FLOORING; REFER TO FINISH PLAN PAUL.BROWN@TARKETT.COM
COLLECTION: IQ OPTIMA; PRODUCT: HOMOGENEOUS SHEET FLOORING; COLOR: GOLDENROD #826 (YELLOW); SIZE: 6'-6" W ROLL	LOCATION: FIRST FLOOR ACCENT SHEET FLOORING; REFER TO FINISH PLAN PAUL.BROWN@TARKETT.COM
COLLECTION: IQ OPTIMA; PRODUCT: HOMOGENEOUS SHEET FLOORING; COLOR: SPENCER'S EYES #3242-251 (LIGHT BLUE-TEAL); SIZE: 6'-6'' W ROLL	LOCATION: FIRST FLOOR ACCENT SHEET FLOORING; REFER TO FINISH PLAN PAUL.BROWN@TARKETT.COM
COLLECTION: IQ OPTIMA; PRODUCT: HOMOGENEOUS SHEET FLOORING; COLOR: POPIU BAY #857 (LIGHT BLUE-VIOLET); SIZE: 6'-6" W ROLL	LOCATION: FIRST FLOOR ACCENT SHEET FLOORING; REFER TO FINISH PLAN PAUL.BROWN@TARKETT.COM
COLOR: CALMING WAVES #9240SS; EDGE PROFILE: 1/4" RADIUS, REFER TO MILLWORK DETAILS; RE: MECH DRAWINGS FOR SINK REQ'MTS	LOCATION: TYPICAL COUNTERTOP AT ALL EXAM ROOMS, MOTHER'S ROOM, EXCHANGE ROOM / CONTACT: TBD
	LOCATION: TYPICAL COUNTERTOP AT NURSE STATIONS, RECEPTION DESK I CONTACT: TBD
PRODUCT: RESILIENT THERMOPLASTIC COVE WALL BASE; COLOR: MYSTIFY #469; SIZE: 4"H ROLL	LOCATION: WALL BASE AT ALL RESILIENT FLOORING LOCATIONS, U.O.N. / CO PAUL.BROWN@TARKETT.COM
PRODUCT: RESILIENT THERMOPLASTIC COVE WALL BASE; COLOR: IRON MOUNTAIN #TG3; SIZE: 4"H ROLL	LOCATION: WALL BASE AT CARPET TILE LOCATIONS, U.O.N. / CONTACT: PAU
PRODUCT: TYPE II VINYL WALLCOVERING; STYLE: IKAT DOT; COLOR: TBD; SIZE: TBD PRODUCT: TYPE II VINYL WALLCOVERING; STYLE: TBD; COLOR: TBD; SIZE: TBD	LOCATION: ACCENT WALL IN EXAM ROOMS; REFER TO FINISH PLANS AND EI LOCATION: MOTHER'S ROOM; REFER TO FINISH PLANS AND ELEVATIONS / C
PRODUCT: TYPE II VINYL WALLCOVERING; STYLE: BOOM TOWN; COLOR: GREEN ENVY; SIZE: TBD	LOCATION: WAITING ROOM, AT CHILDREN'S AREA; REFER TO FINISH PLANS AANGERS@FASHIONADCO.COM
COLLECTION: ACROVYN 4000; PRODUCT: CORNER GUARD; COLOR: MUSHROOM#305; FINISH: SUEDE; SIZE: TBD	LOCATION: CORNER GUARDS THROUGHOUT, U.O.N.; REFER TO FINISH PLAN
COLLECTION: ACROVYN 4000; PRODUCT: CORNER GUARD; COLOR: MUSHROOM#305; FINISH: SUEDE; SIZE: TBD	LOCATION: CORNER GUARDS THROUGHOUT, U.O.N.; REFER TO FINISH PLAN
COLLECTION: ACROVYN 4000; PRODUCT: WALL PROTECTION PANEL; COLOR: MUSHROOM#305; FINISH: SUEDE; SIZE: TBD	LOCATION: WALL PROTECTION PANELS ALONG EXAM ROOM CORRIDORS TH

CARPET TILE AS SPECIFIED	RESILIENT FLOOR AS SP REFER TO FINISH PLANS INSTALLATION PATTERN	SFOR
	RESILIENT TRANSITION ST REFER TO MATERIAL SCH	
3 RESILIENT FLOO	R TO CARPET TRANSIT	ION
A90-00 SCALE: 3" = 1'-0"		
RESILIENT TRANSITION STRIP; 2:1 SLOPE MAX		
EXISTING CONCRETE	1/4" MAX	RESILIENT FLOOR AS SPECIFIED; REFER TO MATERIAL SCHEDULE
	R TO CONCRETE TRAN	SITION
A90-00 SCALE: 3" = 1'-0"		
CONT. SATIN ANODIZED ALUMINUM TRANSITION SCHLUTER RENO-U 2:1 SLOPE MAX	AAX	
RESILIENT FLOOR		TILE AS SPECIFIED
5 RESILIENT FLOO	R TO TILE TRANSITION	
A90-00 SCALE: 3" = 1'-0"		

ONTACT
EW LOCATIONS, U.O.N.; REFER TO REFLECTED CEILING PLANS /
M LANS / CONTACT: JANICE BAYS, 313-418-3541,
PLANS / CONTACT: CHRISTY OPALKA, COPALKA@MCDWALL.COM
S; COORDINATE PLACEMENT WITH ELEC SHEETS / CONTACT:
REFER TO FINISH PLANS / CONTACT: ANNE WILKINSON,
ISON, 248-961-3159,
NTACT: MATTHEW HODGES, 313-920-4475,
REFER TO INTERIOR ELEVATIONS / CONTACT: JUNE SEARS
.O.N.; REFER TO MILLWORK SHEETS / CONTACT: KELLY REICH,
.O.N.; REFER TO MILLWORK SHEETS / CONTACT: KELLY REICH,
CENOWA, 248-660-3067, DAWN.M.CENOWA@SHERWIN.COM ACT: DAWN CENOWA, 248-660-3067,
WA, 248-660-3067, DAWN.M.CENOWA@SHERWIN.COM
TACT: DAWN CENOWA, 248-660-3067,
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TACT: PAUL BROWN, 810-908-4344, PAUL.BROWN@TARKETT.COM
ER TO FINISH PLANS / CONTACT: PAUL BROWN, 810-908-4344,
ITACT: KELLY CASSIDY, 313-590-0162,
NS / CONTACT: PAUL BROWN, 810-908-4344,
, MINI LABS 1 & 2, LABORATORY, VACCINE DRAW UP, AND NEEDLE
MILLWORK, AND STANDARD MILLWORK THROUGHOUT, U.O.N. /
ONTACT: PAUL BROWN, 810-908-4344,
JL BROWN, 810-908-4344, PAUL.BROWN@TARKETT.COM
CONTACT: TBD
AND ELEVATIONS / CONTACT: ANDREA ANGERS, 248-302-1355,

ANS / CONTACT: TBD

NS / CONTACT: TBD

THROUGHOUT; REFER TO FINISH PLANS / CONTACT: TBD

### **GENERAL FINISH NOTES**

- A. ALL FINISHES INDICATED ARE BASIS OF DESIGN.
- B. ALL FINISHES SHALL BE PROVIDED AS SPECIFIC. NO SUBSTITUTIONS, U.O.N.
- C. ANY NOTE REFERRING TO "MATCH EXISTING" REQUIRES EXISTING FINISH DETAILS TO BE REPLICATED IN FULL
- D. UPON COMPLETION OF THE WORK IN THE GIVEN AREA.
- E. DISCREPANCIES IN THE FINISH DESIGNATIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR RESELECTION OR CLARIFICATION.
- F. WIREWAYS, ACCESS PANELS, MECHANICAL DEVICES, ETC. SHALL BE FINISHED TO MATCH ADJACENT SURFACE U.O.N.
- G. PATCH AND REPAIR ALL EXISTING FINISHES / SURFACES THAT MAY BE AFFECTED BY NEW
- CONSTRUCTION. H. DIFFUSERS LOCATED IN ACOUSTIC CEILING APPLICATIONS TO MATCH CEILING SUSPENSION
- SYSTEM.
- I. EXISTING WINDOW TREATMENTS AT EXTERIOR WINDOWS THROUGHOUT TO REMAIN; PROTECT DURING CONSTRUCTION & CLEAN UPON COMPLETION.

### **FLOORING NOTES**

- F1. REFER TO FINISH PLANS FOR FLOOR PATTERN INTENT.
- F2. EXTEND FLOORING INTO TOE SPACES AND KNEE SPACES AS NEEDED.
- F3. ALL GROUT JOINTS TO ALIGN UNLESS NOTED OTHERWISE. CONTRACTOR TO SUBMIT PROPOSED GROUT / TILE LAYOUT TO ARCHITECT FOR REVIEW & APPROVAL.
- F4. PREPARE ALL FLOORING SUBSTRATES TO RECEIVE NEW FLOORING MATERIAL. MAKE ALL TRANSITIONS FLUSH AND CLEAN AS REQUIRED TO RECEIVE NEW FLOORING MATERIAL.
- F5. INSTALL FLOORING MATERIAL UNDER ALL FLOOR MOUNTED EQUIPMENT.F6. FLOORING CONTRACTOR TO SUBMIT SEAMING & INSTALLATION PATTERNS TO ARCHITECT
- FOR ACCEPTANCE PRIOR TO INSTALLATION.
- F7. TERMINATE FLOORING MATERIAL AT CENTER OF DOOR WHERE ADJACENT FINISH AND / OR COLOR IS DISSIMILAR U.O.N.
- F8. TRANSITION OR REDUCER STRIPS SHALL BE USED AT MATERIAL HEIGHT DIFFERENCES OR A DISSIMILAR MATERIAL TRANSITIONS AT CENTER OF DOORWAY OR OPENING, U.O.N.
- F9. REFER TO ROOM FINISH SCHEDULE AND FLOOR FINISH PLANS FOR WALL BASE LOCATIONS.

### **PAINT NOTES**

COLORS.

- P1. ALL GYPSUM BOARD CEILINGS & SOFFITS SCHEDULED TO RECEIVE PAINT SHALL RECEIVE A FLAT FINISH U.O.N. ALL GYP CEILINGS & SOFFITS TO BE FINISHED AS INDICATED ON ROOM FINISH SCHEDULE AND REFLECTED CEILING PLANS
- P2. WET AREA CEILINGS TO RECEIVE PAINT SHALL RECEIVE SEMI-GLOSS FINISH (E.G. TOILET ROOMS, LABS) U.O.N.
- P3. WALLS SCHEDULED TO RECEIVE PAINT AND ALL COLUMNS SHALL RECEIVE AN EGGSHELL FINISH U.O.N.
- P4. ALL DOORS AND FRAMES TO RECEIVE PAINT SHALL RECEIVE A SEMI-GLOSS FINISH.
- P5. TYPICAL CONDITIONS HAVE BEEN INDICATED ON DRAWINGS BUT DO NOT EXPRESS ALL CONDITIONS. THE INDICATION OF PAINTING DOES NOT PRECLUDE PAINTING ON OTHER AREAS NOT INDICATED ON DRAWINGS. REFER TO ROOM FINISH SCHEDULE AND INTERIOR ELEVATIONS.
- P6. PROVIDE ACCENT PAINT COLOR MOCKUP FOR ARCHITECT APPROVAL OF ACCENT PAINT COLORS AND LOCATIONS. REFER TO FINISH PLANS FOR LOCATIONS OF ACCENT PAINT
- P7. SURFACES SCHEDULED TO RECEIVE PAINT SHALL RECEIVE PAINT BEHIND SCREENS, TACK BOARDS, MARKER BOARDS, AND OTHER APPLIED SURFACES.

### FLOOR FINISH LEGEND

	CPT-01		RF-03
	CPT-02		RF-04
	CT-01		RF-05
	RF-01		RF-06
	RF-02		RF-07
$\longleftrightarrow$	DIRECTION OF FLOOR PATTERN		RF-08
WALL FINISH	LEGEND		
WALL TILE	CT-02	ACCENT PAINT FINISH	PT-08
GENERAL PAINT FINISH	PT-01	RESILIENT WALL BASE	WB-01
ACCENT PAINT FINISH	PT-02	RESILIENT WALL BASE	WB-02
ACCENT PAINT FINISH	PT-03	WALLCOVERING	WC-01
ACCENT PAINT FINISH	PT-04	WALLCOVERING	WC-02
ACCENT PAINT FINISH	PT-05	WALLCOVERING	WC-03
ACCENT PAINT FINISH	PT-06	CORNER GUARDS	WP-01, WP-02
ACCENT PAINT FINISH			

**ISSUED FOR** REV DATE 04-24-2024 BID / PERMIT 1 This drawing has been prepared solely for the use of St. Clair County Health Department and there are no representations of any kind made by NORR to any party with whom NORR has not entered into a contract. This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer Project Component Key Plan ç..... Consultants Survey: Civil: Architecture: NORR Structural: NORR Mechanical: NORR Electrical: NORR Interiors: NORR Landscape: Seal(s) NORR 150 W. Jefferson Avenue., Suite 1300 Detroit, MI, US 48226 norr.com Project Manager Drawn B. Colburn Author Checked Project Leader J. Brock Checker Client St. Clair County Health Department Project St. Clair County Health Department Relocation 220 Fort Street Port Huron, MI 48060 Drawing Title **MATERIAL SCHEDULE**, **NOTES & DETAILS** Scale As indicated Project No. JCDT23-0185 Drawing No. A90-00 ARCH E Title Block - v.2023 - Rev (March/2023) - Copyright © 2023

	ROOM	FL	.OOR	A70_ROOM NORTH WALL	I FINISH SC EAST WALL	HEDULE SOUTH WALL	WEST WALL	MILLY	NORK	CEILING	3
<b>NUMBER</b> 100 102 103	NAME VESTIBULE (E) SERVICE AREA WIC REGISTRATION	FINISH EXISTING RF-01 CPT-01 CPT-01	BASE EXISTING WB-01 WB-02 WB-02	FINISH EXISTING PT-01 PT-01 PT-01	FINISH EXISTING PT-04 PT-01 PT-01	FINISH EXISTING EXISTING PT-01	FINISH EXISTING PT-01 PT-01 PT-01	<b>VERTICAL</b>  PL-01, PL-02	HORIZONT AL  SS-02 SS-02	MATERIAL OPEN GYP(E), OPEN, GYP ACT	FINISH
104 105 106 107 108	EH RECEPTION MAIN RECEPTION MAIN WAITING WIC WAITING TOILET ROOM (E)	CPT-01 CPT-01 RF-01 RF-01, RF-04, RF-07 EXISTING	WB-02 WB-01 WB-01	PT-01 PT-01 PT-01 PT-01 EXISTING	PT-01 PT-01 PT-01 WC-03 EXISTING	PT-01 PT-01 PT-01 PT-01 EXISTING	PT-01 PT-01 PT-01  EXISTING	PL-01, PL-02 PL-01, PL-02 PL-02 	SS-02 SS-02 	ACT ACT ACT ACT GYP(E)	
109 110	MEN'S RESTROOM (E) WOMEN'S RESTROOM (E)	EXISTING EXISTING	EXISTING EXISTING	EXISTING EXISTING	EXISTING EXISTING	EXISTING EXISTING	EXISTING EXISTING	  	  	GYP(E) GYP(E)	
111 112 113 114 115 116 117 118	JAN. (E) CORRIDOR CORRIDOR EH SANITARIANS EH CLERICAL & WORK ROOM RECEIVING ROOM (E) EH SANITARIAN II	EXISTING RF-01 RF-01 RF-01 EXISTING CPT-01	EXISTING WB-01 WB-01 WB-01 EXISTING WB-02	EXISTING PT-01 PT-04 PT-01 EXISTING PT-01	EXISTING PT-01 PT-01 PT-01 EXISTING PT-01	EXISTING PT-01 PT-04 PT-01 EXISTING PT-01	EXISTING PT-01 PT-01 PT-01 EXISTING PT-01 PT-01	      	     	GYP(E) ACT ACT ACT ACT EXISTING ACT	    
118 119 120 121 122	EH SANITARIAN II EH MEETING RM EH STORAGE OUTREACH CONSULT RM CORRIDOR	CPT-01 RF-01 RF-01 CPT-01 RF-02	WB-02 WB-01 WB-01 WB-02 WB-01	PT-01 PT-01 PT-01 PT-01 PT-01	PT-01 PT-01 PT-01 PT-01 PT-01	PT-01 PT-01 PT-04 PT-01 PT-01	PT-01 PT-01 PT-01 PT-01 PT-01	  PL-02  	  SS-02  	ACT ACT ACT ACT ACT ACT	
123 124	WIC EXAM ROOM 3 WIC EXAM ROOM 2	RF-02, RF-04, RF-05 RF-02,	WB-01	PT-05 PT-05	PT-01 PT-01	PT-01 PT-01	WC-01 WC-01	PL-01 PL-01	SS-01 SS-01	ACT ACT	
125	WIC EXAM ROOM 1	RF-04, RF-05 RF-02, RF-04, RF-05	WB-01	PT-05	PT-01	PT-01	WC-01	PL-01	SS-01	ACT	
126 127 128	IT / SERVER ROOM (E) WIC SUPERVISOR BREASTFEEDING COORD.	EXISTING CPT-01 CPT-01	EXISTING WB-02 WB-02	EXISTING PT-01 PT-01	EXISTING PT-01 PT-01	EXISTING PT-01 PT-01	EXISTING PT-01 PT-01	  		ACT(E) ACT ACT(E)	
129 130 131 132	KITCHENETTE VEST. (E) WIC MOTHER'S ROOM CORR.	RF-01 EXISTING RF-01 RF-02	WB-01 EXISTING WB-01 WB-01	PT-01 PT-01 PT-01 PT-01	PT-01 PT-01 PT-01 PT-01	PT-01 PT-01 WC-02 PT-01	PT-01 PT-01 PT-01 PT-01	PL-01  PL-01 	SS-02  SS-01 	ACT(E) GYP(E) ACT ACT	   
133 134 135	CORRIDOR CSHCS NURSE & CLERICAL WIC STAFF CHARTING	RF-02, RF-05 RF-01 RF-01	WB-01  WB-01	PT-01  	PT-01 PT-01 	PT-01  	PT-01 	 PL-01, PL-02 PL-01	 SS-02 SS-02	ACT ACT ACT	
137 138 139	MINI LAB 2 CORRIDOR WIC EXAM 7	RF-01 RF-02, RF-08 RF-02, RF-02, RF-04, RF-08	WB-01	PT-01 PT-01 PT-01	PT-01 PT-01 WC-01	PT-01 PT-01 PT-08	PT-01 PT-01 PT-01	PL-01  PL-01	SS-01  SS-01	ACT ACT ACT	  
140 141 142	WIC EXAM 6 WIC EXAM 5 BREASTFEEDING CONSULTATION ROOM	RF-02, RF-04, RF-08 RF-02, RF-04, RF-08 RF-02,	WB-01	PT-01 PT-01 PT-01	WC-01 WC-01 WC-01	PT-08 PT-08 PT-08	PT-01 PT-01 PT-01	PL-01 PL-01 PL-01	SS-01 SS-01 SS-01	ACT ACT ACT	
143 144 145 146	CORRIDOR GENDER NEUTRAL TOILET MEN'S RESTROOM (E) WOMEN'S RESTROOM (E)	RF-04, RF-08 RF-02 CT-01 EXISTING EXISTING	WB-01 CT-01 EXISTING EXISTING	PT-01 PT-01 EXISTING EXISTING	PT-01 PT-07 EXISTING EXISTING	PT-01 PT-01 EXISTING EXISTING	PT-01 PT-01 EXISTING EXISTING	   	   	ACT ACT GYP(E) GYP(E)	
147 148 149	JAN. (E) CORRIDOR WORK ROOM	EXISTING RF-02 RF-01	EXISTING WB-01 WB-01	EXISTING PT-01 PT-04	EXISTING PT-01 PT-01	EXISTING PT-01 PT-01	EXISTING PT-01 PT-01	 		GYP(E) ACT ACT(E)	
150 151	ATRIUM FAMILY TOILET ROOM	RF-01, RF-04, RF-06, RF-08 CT-01	WB-01 CT-01	PT-01 PT-01	PT-01 PT-07	PT-01 PT-01	PT-01 PT-01			GYP(E) ACT	
152 153 154	UTILITY ROOM CONFERENCE ROOM ELEC. (E)	EXISTING CPT-01 EXISTING	WB-01 WB-02 EXISTING	PT-01 PT-01 EXISTING	PT-01 PT-01 EXISTING	PT-01 PT-01 EXISTING	PT-01 PT-01 EXISTING			ACT ACT EXISTING	
155 156 157 158	STOR / CARTS CSHCS - V&H TECHNICIANS CSHCS SOCIAL WORKER PH&I VACCINE DRAW UP	RF-02           CPT-01           CPT-01           RF-01	WB-01 WB-02 WB-02 WB-01	PT-01 PT-01 PT-01 PT-01	PT-01 PT-01 PT-01 PT-01	PT-01 PT-01 PT-01 PT-01	PT-01 PT-01 PT-01 PT-01	 PL-01  PL-01	 SS-02  SS-01	ACT ACT ACT ACT	
159 160 161	CORRIDOR CL PH&I EXAM 2	RF-02 RF-02 RF-02,	WB-01 WB-01 WB-01	PT-01 PT-01 PT-01	PT-01 PT-01 WC-01	PT-01 PT-01 PT-06	PT-01 PT-01 PT-01	  PL-01	  SS-01	ACT ACT ACT	
162	PH&I EXAM 3	RF-04, RF-06 RF-02, RF-04, RF-06	WB-01	PT-01	WC-01	PT-06	PT-01	PL-01	SS-01	ACT	
163 164	PH&I EXAM 4 PH&I EXAM 5	RF-02, RF-04, RF-06 RF-02, RF-04, RF-06	WB-01	PT-01 PT-01	WC-01 PT-01	PT-06 PT-06	PT-01 WC-01	PL-01	SS-01 SS-01	ACT ACT	
165 166 167	PH&I EXAM 6 CARTS CORRIDOR	RF-02, RF-04, RF-06 RF-02 RF-02, RF-06	WB-01	PT-01 PT-01 PT-01	WC-01 PT-01 PT-01	PT-06 PT-01 PT-01	PT-01 PT-01 PT-01	PL-01 PL-01 	SS-01 SS-02 	ACT ACT ACT	
168 169 170	PH&I NURSES PH&I CLERICAL PH CLERICAL	RF-02 RF-02 RF-02	  WB-01	  			  PT-01	PL-01, PL-02 PL-01 PL-01	SS-02 SS-02 SS-02	ACT ACT ACT	
171 172 173 174 175	CORRIDOR MINI LAB 1 CORR. HOTELING PH&I IMMUNIZATION COORD.	RF-02, RF-07           RF-01           RF-02           CPT-01           CPT-01	WB-01 WB-01 WB-01 WB-02 WB-02	PT-01 PT-01 PT-01 PT-01 PT-01	PT-01 PT-01 PT-01 PT-01 PT-01	PT-01 PT-01 PT-01 PT-01 PT-01	PT-01 PT-01 PT-01 PT-01 PT-01	 PL-01  	 SS-01  	ACT ACT ACT ACT(E) ACT(E)	   
176 177	PH&I COMMUNICABLE DISEASE COORD. PH&I IMMUNIZATION / CD SUPERVISOR MEDICAL DIR / HOTELING	CPT-01 CPT-01	WB-02 WB-02 WB-02	PT-01 PT-01 PT-01	PT-01 PT-01 PT-01	PT-01 PT-01 PT-01	PT-01 PT-01 PT-01			ACT(E) ACT(E)	
178 179 180 181 182	PH MEDICAL DIR / HOTELING PH MEDICAL PROVIDER PH&I COORDINATOR CSHCS SUPERVISOR PH EXAM 4	CPT-01 CPT-01 CPT-01 CPT-01 RF-02,	WB-02 WB-02 WB-02 WB-01	PT-01 PT-01 PT-01 PT-01 PT-07	PT-01 PT-01 PT-01 PT-01 PT-01	PT-01 PT-01 PT-01 PT-01 PT-01	PT-01 PT-01 PT-01 PT-01 WC-01	   PL-01	   SS-01	ACT(E) ACT(E) ACT(E) ACT(E) ACT	    
183 184	PH EXAM 3 PH EXAM 2	RF-04, RF-07 RF-02, RF-04, RF-07 RF-02, RF-04, RF-07	WB-01 WB-01	PT-07 PT-07	PT-01 PT-01	PT-01 PT-01	WC-01 WC-01	PL-01 PL-01	SS-01 SS-01	ACT ACT	
185	PH EXAM 1 PH&I EXAM 1 (ISO)	RF-02, RF-04, RF-07 RF-02, RF-04, RF-07	WB-01 WB-01	PT-07 PT-07	WC-01 PT-01	PT-01 PT-01	PT-01 WC-01	PL-01 PL-01	SS-01 SS-01	ACT ACT	
187 188 189	PH NEEDLE EXCHANGE RM CORRIDOR MIHP OFFICE	RF-01 RF-02 CPT-01	WB-01 WB-01 WB-02	PT-01 PT-01 PT-01	PT-01 PT-01 PT-01	PT-01 PT-01 PT-01	PT-01 PT-01 PT-01	PL-01 	SS-01  	ACT ACT ACT	
190 191 192 193 STC-1	MIHP OFFICE (OPEN) CSHCS MIHP CLERICAL CSHCS SUPERVISOR STAIR C (E)	CPT-01 CPT-01 CPT-01 CPT-01 EXISTING	WB-02 WB-02 WB-02 WB-02 EXISTING	PT-01 PT-01 PT-01 PT-01 EXISTING	PT-01 PT-01 PT-01 PT-01 EXISTING	PT-01 PT-01 PT-01 PT-01 EXISTING	PT-01 PT-01 PT-01 PT-01 EXISTING			ACT ACT ACT ACT EXISTING	   
201 202	EH FOOD PROG COORD. EH ONSITE COORD.	CPT-01 CPT-01	WB-02 WB-02	PT-01 PT-01	PT-01 PT-01	PT-01 PT-01	PT-01 PT-01			ACT(E) ACT(E)	
203 204 205 206 207 208	DATA MGR EH EPC COORD. HE OUTREACH EDUCATION HE HEALTH ED DIRECTOR HOTELING CORRIDOR	CPT-01 CPT-01 CPT-01 CPT-01 CPT-01 CPT-01	WB-02           WB-02           WB-02           WB-02           WB-02           WB-02           WB-02           WB-02	PT-01 PT-01 PT-01 PT-01 PT-01 PT-01	PT-01 PT-01 PT-01 PT-01 PT-01 PT-01	PT-01 PT-01 PT-01 PT-01 PT-01 PT-01	PT-01 PT-01 PT-01 PT-01 PT-01 PT-01	  	   	ACT(E) ACT(E) ACT(E) ACT(E) ACT(E),AC-06, AC-07 ACT(E)	    
209 210 211 212 213	WORK / COPY AREA HE HEALTH EDUCATORS OPEN MEETING LOUNGE / FLEX SPACE CORR.	CPT-01 CPT-01 CPT-01 CPT-01 RF-01	WB-02 WB-02 WB-02 WB-02 WB-01	PT-01 PT-01 PT-01 PT-01 PT-01	PT-01 PT-01 PT-01 PT-01 PT-01	PT-01 PT-01 PT-01 PT-01 PT-01	PT-01 PT-01 PT-01 PT-01 PT-01			ACT(E) ACT(E) ACT(E) ACT(E) ACT(E)	   
214 215 216	LABORATORY LOUNGE HE MEDIA ROOM	RF-02 CPT-01 CPT-01	WB-01 WB-02 WB-02	PT-01 PT-01 PT-01	PT-01 PT-01 PT-01	PT-01 PT-01 PT-01	PT-01 PT-01 PT-01			AC-01 ACT(E) ACT(E)	
217 218 219 220 221	(OPEN) (OPEN) CAFETERIA (E) KITCHENETTE (E) CORRIDOR	CPT-01 CPT-01 EXISTING EXISTING CPT-01, RF-01	WB-02 WB-02 EXISTING EXISTING WB-01, WB-02	PT-01 PT-01 EXISTING EXISTING PT-01	PT-01 PT-01 EXISTING EXISTING PT-01	PT-01 PT-01 EXISTING EXISTING PT-01	PT-01 PT-01 EXISTING EXISTING PT-01			ACT(E) ACT(E) EXISTING EXISTING ACT(E)	    
222 223 224	LOCKERS MEN'S RESTROOM (E)	CPT-01 EXISTING	WB-02 EXISTING	PT-01 PT-01 PT 01	PT-01 PT-01 PT-01	PT-01 PT-01 PT 01	PT-01 PT-01 PT 01			ACT(E) ACT(E)	
224 225 226 227 228	WOMEN'S RESTROOM (E) JAN. (E) CORRIDOR (OPEN) ATRIUM	EXISTING EXISTING RF-01 CPT-01 RF-01	EXISTING EXISTING WB-01 WB-02 WB-01	PT-01 EXISTING PT-01 PT-01 PT-01	PT-01 EXISTING PT-01 PT-01 PT-01	PT-01 EXISTING PT-01 PT-01 PT-01	PT-01 EXISTING PT-01 PT-01 PT-01			ACT(E) ACT(E) ACT(E) ACT(E) EXISTING	    

				A70_ROOM	I FINISH SC	HEDULE					
	ROOM	FL	OOR	NORTH WALL	EAST WALL	SOUTH WALL	WEST WALL	MILLW	ORK	CEILIN	١G
NUMBER	NAME	FINISH	BASE	FINISH	FINISH	FINISH	FINISH	VERTICAL	IORIZONT AL	MATERIAL	FINISH
								VERTICAL			r IINISI
229	IT / SERVER ROOM (E)	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING			ACT(E)	
230	PURCHASING RECEIVING RM	CPT-01	WB-02	PT-01	PT-01	PT-01	PT-01			ACT(E)	
231	ELEC. (E)	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING			ACT(E)	
232	COPY AREA	CPT-01	WB-02	PT-05	PT-05		PT-05			PT-02	
233	FILES (E)	CPT-01	WB-02	PT-01	PT-01	PT-01	PT-01			ACT(E)	
234	CORRIDOR	CPT-01	WB-02	PT-01						ACT(E)	
235	CSHCS MIHP FIELD NURSE OFFICE	CPT-01	WB-02							ACT(E)	
236	OPEN OFFICE (PURCH, BILLING, STAFF ACCT)	CPT-01	WB-02							ACT(E)	
237	CORR.	CPT-01	WB-02	PT-01	PT-01	PT-01				ACT(E)	
238	EH DIRECTOR	CPT-01	WB-02	PT-01	PT-01	PT-01	PT-01			ACT(E)	
239	PPE DIRECTOR	CPT-01	WB-02	PT-01	PT-01	PT-01	PT-01			ACT(E)	
240	NURSING ADMIN SECRETARY	CPT-01	WB-02	PT-01	PT-01	PT-01	PT-01			ACT(E)	
241	NURSING ADMINISTRATOR	CPT-01	WB-02	PT-01	PT-01	PT-01	PT-01			ACT(E)	
242	ADMIN. MEDICAL DIRECTOR HOTELING	CPT-01	WB-02	PT-01	PT-01	PT-01	PT-01			ACT(E)	
243	ADMIN FINANCE MGR	CPT-01	WB-02	PT-01	PT-01	PT-01	PT-01			ACT(E)	
244	ADMIN HEALTH OFFICER	CPT-01	WB-02	PT-01	PT-01	PT-01	PT-01			ACT(E)	
245	ADMIN SECRETARY	CPT-01	WB-02	PT-01	PT-01	PT-01	PT-01			ACT(E)	
246	CONFERENCE ROOM (E)	CPT-01	WB-02	PT-01	PT-01	PT-01	PT-01			ACT(E)	
247	CONFERENCE ROOM	CPT-01	WB-02	PT-01	PT-01	PT-01	PT-01			ACT(E)	
248	LOUNGE / FLEX SPACE	CPT-01	WB-02			PT-01	PT-01			ACT(E)	
STC-2	STAIR C									ACT(E)	

\*REFER TO LIST OF ALTERNATES ON SHEET A01-01 FOR EXCEPTIONS AT EXISTING RESTROOMS.

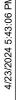
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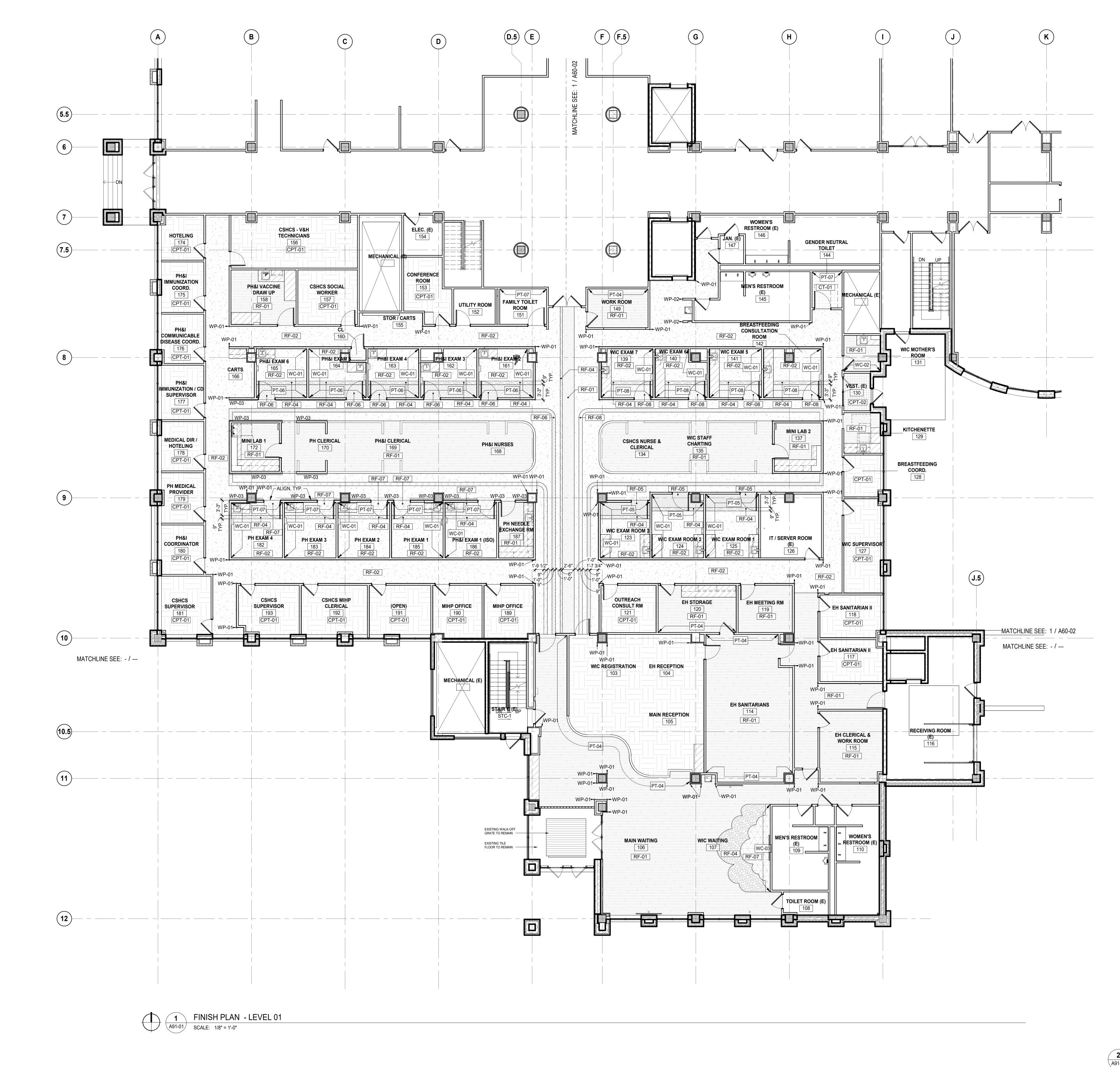
**ISSUED FOR** REV DATE 04-24-2024 BID / PERMIT | 1 | This drawing has been prepared solely for the use of St. Clair County Health Department and there are no representations of any kind made by NORR to any party with whom NORR has not entered into a contract. This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer Project Component Key Plan لممممم Consultants Survey: Civil: Architecture: NORR Structural: NORR Mechanical: NORR Electrical: NORR Interiors: NORR Landscape: Seal(s) NORR 150 W. Jefferson Avenue., Suite 1300 Detroit, MI, US 48226 norr.com Project Manager B. Colburn Drawn Author Checked Checker 
 D. Colouri
 Autrol

 Project Leader
 Checked

 J. Brock
 Checker

 Client
 St. Clair County Health
 Department Project
St. Clair County Health
Department Relocation
220 Fort Street
Port Huron, MI
48060
Drawing Title
ROOM FINISH SCHEDULE Scale Project No. JCDT23-0185 Drawing No. A90-01 ARCH E Title Block - v.2023 - Rev (March/2023) - Copyright © 2023





# **GENERAL FINISH NOTES**

A. ALL FINISHES INDICATED ARE BASIS OF DESIGN.

- B. ALL FINISHES SHALL BE PROVIDED AS SPECIFIC. NO SUBSTITUTIONS, U.O.N.
- C. ANY NOTE REFERRING TO "MATCH EXISTING" REQUIRES EXISTING FINISH DETAILS TO BE REPLICATED IN FULL
- D. UPON COMPLETION OF THE WORK IN THE GIVEN AREA.
- E. DISCREPANCIES IN THE FINISH DESIGNATIONS SHOULD BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR RESELECTION OR CLARIFICATION.
- . WIREWAYS, ACCESS PANELS, MECHANICAL DEVICES, ETC. SHALL BE FINISHED TO MATCH
- ADJACENT SURFACE U.O.N. G. PATCH AND REPAIR ALL EXISTING FINISHES / SURFACES THAT MAY BE AFFECTED BY NEW
- CONSTRUCTION.
- H. DIFFUSERS LOCATED IN ACOUSTIC CEILING APPLICATIONS TO MATCH CEILING SUSPENSION SYSTEM.
- I. EXISTING WINDOW TREATMENTS AT EXTERIOR WINDOWS THROUGHOUT TO REMAIN; PROTECT DURING CONSTRUCTION & CLEAN UPON COMPLETION.

### **FLOORING NOTES**

- F1. REFER TO FINISH PLANS FOR FLOOR PATTERN INTENT.
- F2. EXTEND FLOORING INTO TOE SPACES AND KNEE SPACES AS NEEDED.
- F3. ALL GROUT JOINTS TO ALIGN UNLESS NOTED OTHERWISE. CONTRACTOR TO SUBMIT PROPOSED GROUT / TILE LAYOUT TO ARCHITECT FOR REVIEW & APPROVAL.
- F4. PREPARE ALL FLOORING SUBSTRATES TO RECEIVE NEW FLOORING MATERIAL. MAKE ALL TRANSITIONS FLUSH AND CLEAN AS REQUIRED TO RECEIVE NEW FLOORING MATERIAL.
- F5. INSTALL FLOORING MATERIAL UNDER ALL FLOOR MOUNTED EQUIPMENT.
- F6. FLOORING CONTRACTOR TO SUBMIT SEAMING & INSTALLATION PATTERNS TO ARCHITECT
- FOR ACCEPTANCE PRIOR TO INSTALLATION. F7. TERMINATE FLOORING MATERIAL AT CENTER OF DOOR WHERE ADJACENT FINISH AND / OR
- COLOR IS DISSIMILAR U.O.N.
- F8. TRANSITION OR REDUCER STRIPS SHALL BE USED AT MATERIAL HEIGHT DIFFERENCES OR A DISSIMILAR MATERIAL TRANSITIONS AT CENTER OF DOORWAY OR OPENING, U.O.N.
- F9. REFER TO ROOM FINISH SCHEDULE AND FLOOR FINISH PLANS FOR WALL BASE LOCATIONS.

### PAINT NOTES

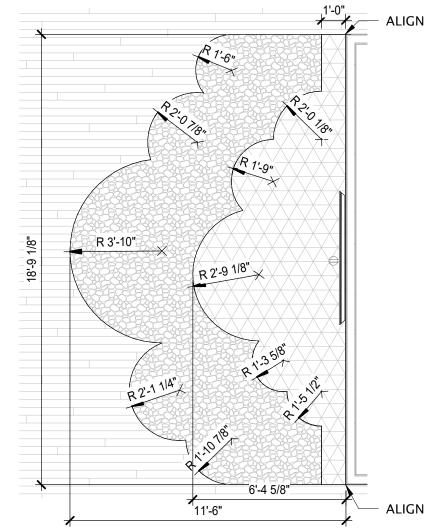
ELEVATIONS.

- P1. ALL GYPSUM BOARD CEILINGS & SOFFITS SCHEDULED TO RECEIVE PAINT SHALL RECEIVE A FLAT FINISH U.O.N. ALL GYP CEILINGS & SOFFITS TO BE FINISHED AS INDICATED ON ROOM FINISH SCHEDULE AND REFLECTED CEILING PLANS
- P2. WET AREA CEILINGS TO RECEIVE PAINT SHALL RECEIVE SEMI-GLOSS FINISH (E.G. TOILET ROOMS, LABS) U.O.N.
- P3. WALLS SCHEDULED TO RECEIVE PAINT AND ALL COLUMNS SHALL RECEIVE AN EGGSHELL
- FINISH U.O.N. P4. ALL DOORS AND FRAMES TO RECEIVE PAINT SHALL RECEIVE A SEMI-GLOSS FINISH.
- P5. TYPICAL CONDITIONS HAVE BEEN INDICATED ON DRAWINGS BUT DO NOT EXPRESS ALL CONDITIONS. THE INDICATION OF PAINTING DOES NOT PRECLUDE PAINTING ON OTHER AREAS NOT INDICATED ON DRAWINGS. REFER TO ROOM FINISH SCHEDULE AND INTERIOR
- P6. PROVIDE ACCENT PAINT COLOR MOCKUP FOR ARCHITECT APPROVAL OF ACCENT PAINT COLORS AND LOCATIONS. REFER TO FINISH PLANS FOR LOCATIONS OF ACCENT PAINT
- COLORS.
- P7. SURFACES SCHEDULED TO RECEIVE PAINT SHALL RECEIVE PAINT BEHIND SCREENS, TACK BOARDS, MARKER BOARDS, AND OTHER APPLIED SURFACES.

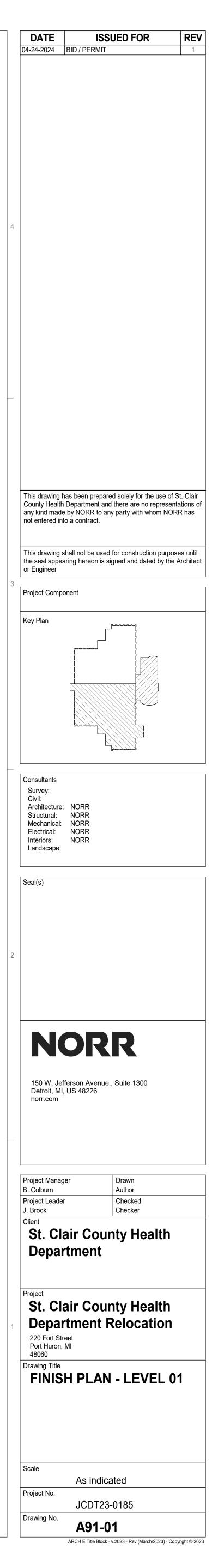
### FLOOR FINISH LEGEND RF-03 CPT-01 CPT-02 RF-04 RF-05 CT-01 RF-06 RF-01 \* \* \* \* \* \* \* \* \* $\mathbf{K} \times \mathbf{X} \times \mathbf{X} \times \mathbf{X} \times \mathbf{X}$ RF-07 RF-02 A . A . A $+\times\times\times\times\times\times\times$ $\times \times \times \times \times \times \times \times$ DIRECTION OF FLOOR PATTERN RF-08 $\leftarrow$

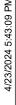
# WALL FINISH LEGEND

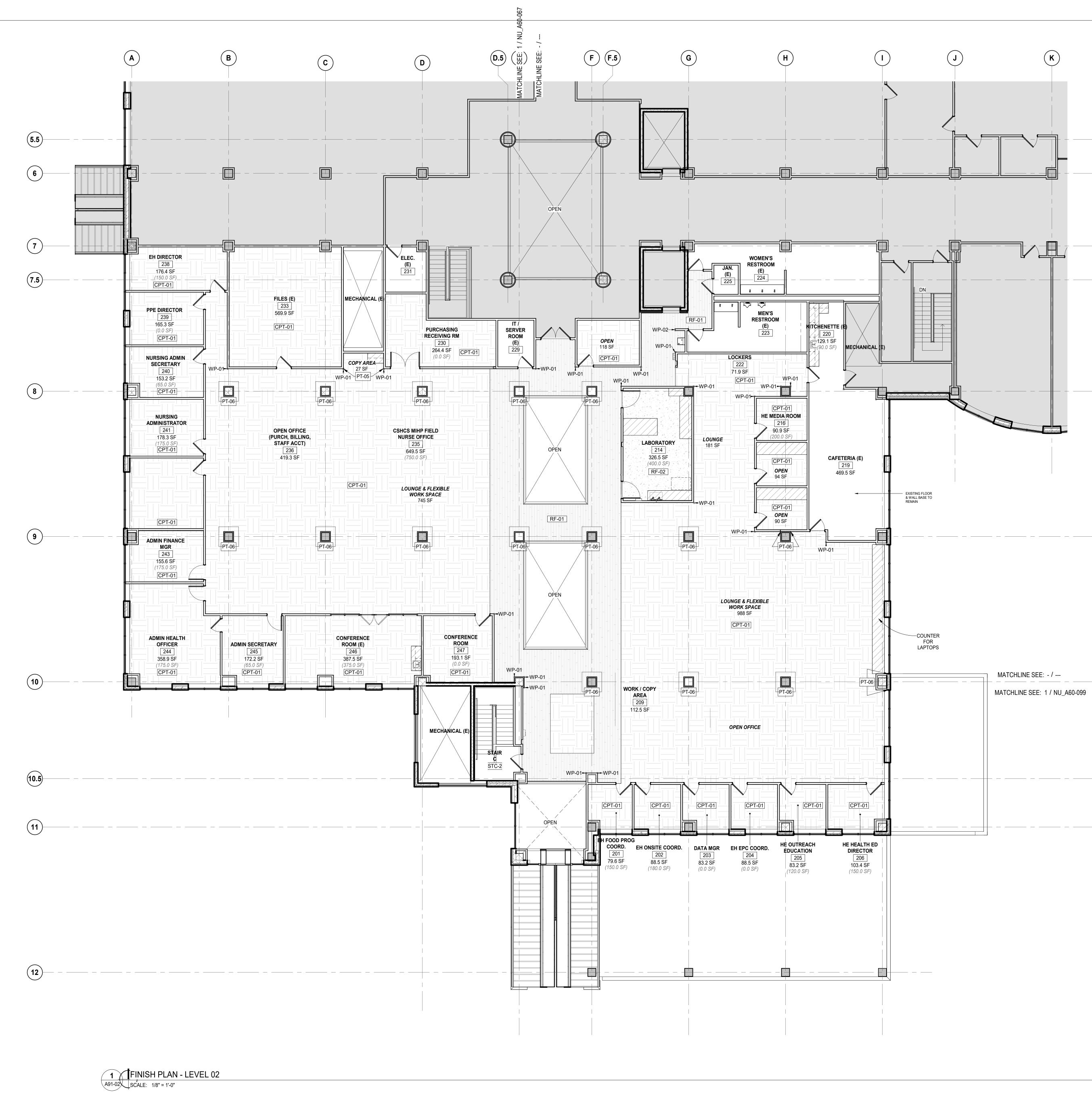
WALL TILE	CT-02	ACCENT PAINT FINISH	PT-08
GENERAL PAINT FINISH	PT-01	RESILIENT WALL BASE	WB-01
ACCENT PAINT FINISH	PT-02	RESILIENT WALL BASE	WB-02
ACCENT PAINT FINISH	PT-03	WALLCOVERING	WC-01
ACCENT PAINT FINISH	PT-04	WALLCOVERING	WC-02
ACCENT PAINT FINISH	PT-05	WALLCOVERING	WC-03
ACCENT PAINT FINISH	PT-06	CORNER GUARDS	WP-01, WP-02
ACCENT PAINT FINISH	PT-07	WALL PROTECTION PANEL	WP-03



2 WAITING AREA - ENLARGED FLOOR FINISH PLAN A91-01 SCALE: 1/4" = 1'-0"









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- F. WIREWAYS, ACCESS PANELS, MECHANICAL DEVICES, ETC. SHALL BE FINISHED TO MATCH ADJACENT SURFACE U.O.N. G. PATCH AND REPAIR ALL EXISTING FINISHES / SURFACES THAT MAY BE AFFECTED BY NEW
- CONSTRUCTION. H. DIFFUSERS LOCATED IN ACOUSTIC CEILING APPLICATIONS TO MATCH CEILING SUSPENSION
- SYSTEM. . EXISTING WINDOW TREATMENTS AT EXTERIOR WINDOWS THROUGHOUT TO REMAIN;

# **FLOORING NOTES**

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- F2. EXTEND FLOORING INTO TOE SPACES AND KNEE SPACES AS NEEDED.

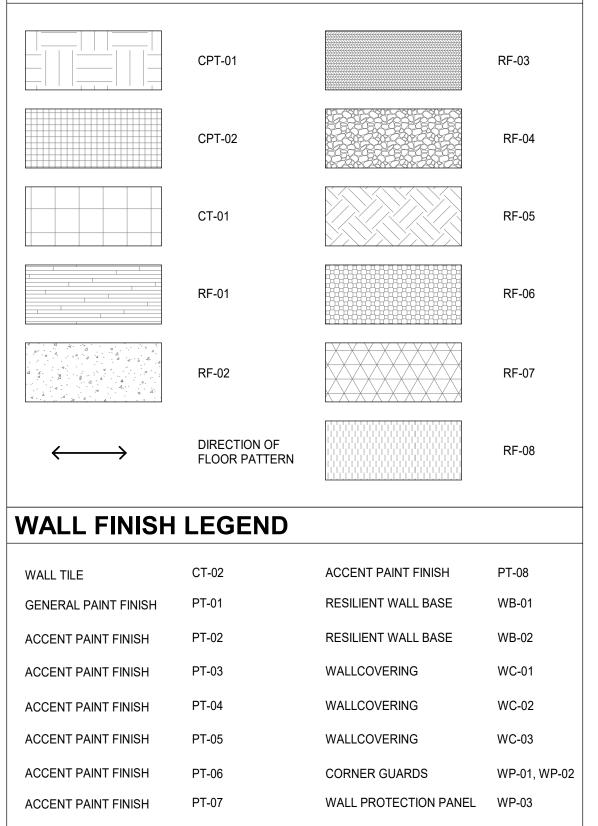
PROTECT DURING CONSTRUCTION & CLEAN UPON COMPLETION.

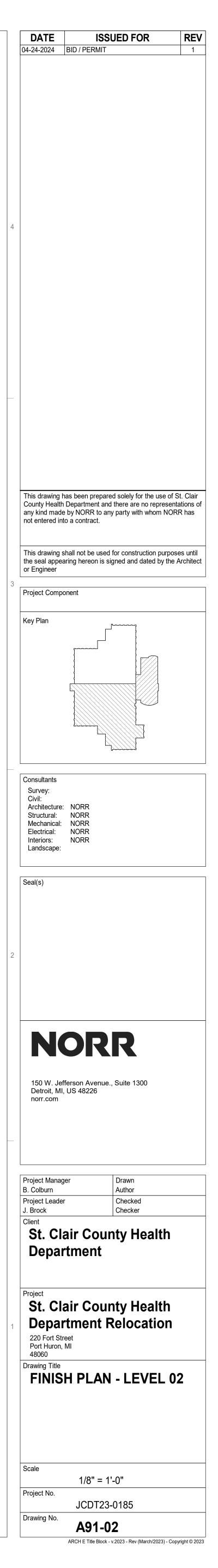
- F3. ALL GROUT JOINTS TO ALIGN UNLESS NOTED OTHERWISE. CONTRACTOR TO SUBMIT PROPOSED GROUT / TILE LAYOUT TO ARCHITECT FOR REVIEW & APPROVAL.
- F4. PREPARE ALL FLOORING SUBSTRATES TO RECEIVE NEW FLOORING MATERIAL. MAKE ALL TRANSITIONS FLUSH AND CLEAN AS REQUIRED TO RECEIVE NEW FLOORING MATERIAL.
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- F8. TRANSITION OR REDUCER STRIPS SHALL BE USED AT MATERIAL HEIGHT DIFFERENCES OR A DISSIMILAR MATERIAL TRANSITIONS AT CENTER OF DOORWAY OR OPENING, U.O.N.
- F9. REFER TO ROOM FINISH SCHEDULE AND FLOOR FINISH PLANS FOR WALL BASE LOCATIONS.

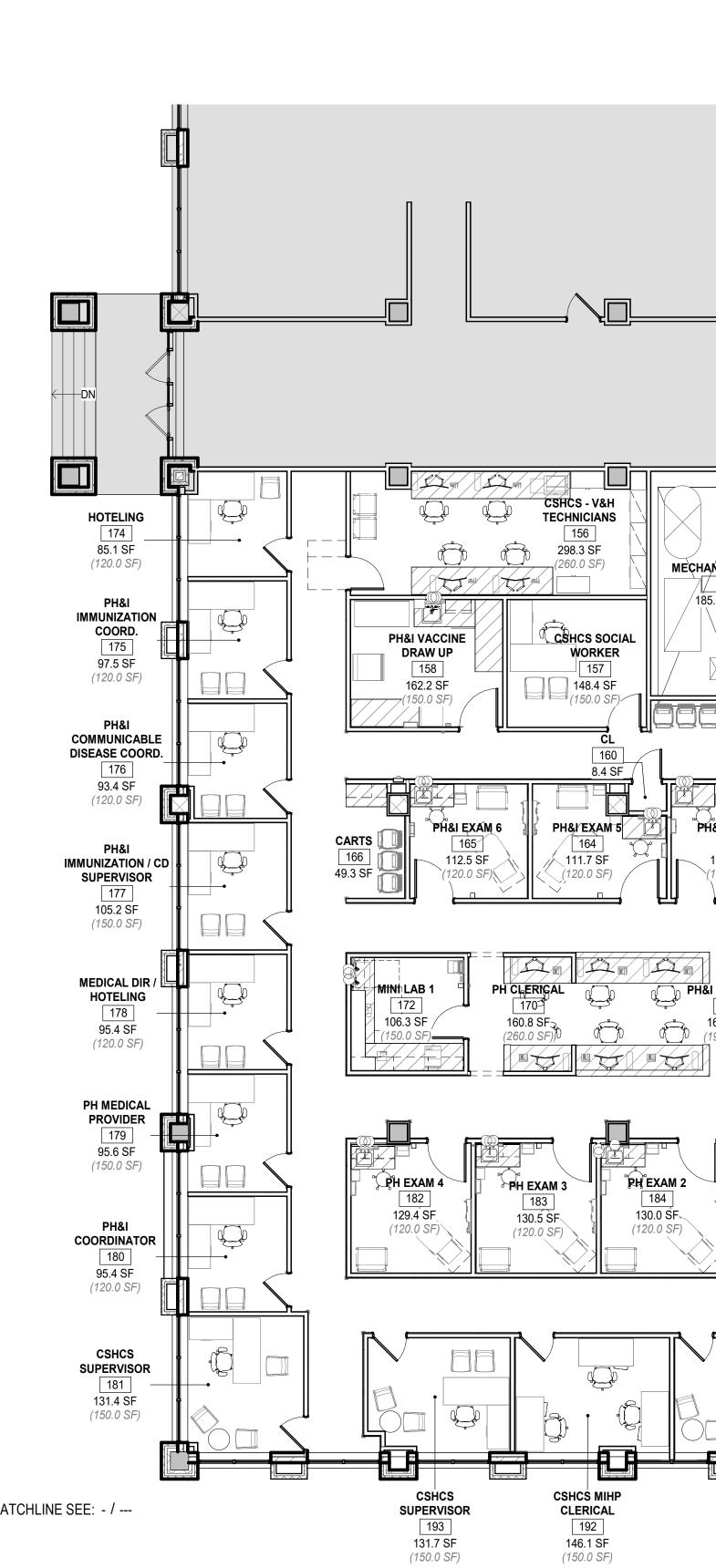
# **PAINT NOTES**

- P1. ALL GYPSUM BOARD CEILINGS & SOFFITS SCHEDULED TO RECEIVE PAINT SHALL RECEIVE A FLAT FINISH U.O.N. ALL GYP CEILINGS & SOFFITS TO BE FINISHED AS INDICATED ON ROOM FINISH SCHEDULE AND REFLECTED CEILING PLANS
- P2. WET AREA CEILINGS TO RECEIVE PAINT SHALL RECEIVE SEMI-GLOSS FINISH (E.G. TOILET ROOMS, LABS) U.O.N.
- P3. WALLS SCHEDULED TO RECEIVE PAINT AND ALL COLUMNS SHALL RECEIVE AN EGGSHELL FINISH U.O.N.
- P4. ALL DOORS AND FRAMES TO RECEIVE PAINT SHALL RECEIVE A SEMI-GLOSS FINISH.
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- P6. PROVIDE ACCENT PAINT COLOR MOCKUP FOR ARCHITECT APPROVAL OF ACCENT PAINT COLORS AND LOCATIONS. REFER TO FINISH PLANS FOR LOCATIONS OF ACCENT PAINT COLORS.
- P7. SURFACES SCHEDULED TO RECEIVE PAINT SHALL RECEIVE PAINT BEHIND SCREENS, TACK BOARDS, MARKER BOARDS, AND OTHER APPLIED SURFACES.

# FLOOR FINISH LEGEND







MATCHLINE SEE: - / ---





DATE **ISSUED FOR** REV 04-24-2024 BID / PERMIT | 1 This drawing has been prepared solely for the use of St. Clair County Health Department and there are no representations of any kind made by NORR to any party with whom NORR has not entered into a contract. This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer Project Component Key Plan \_\_\_\_ Consultants Survey: Civil: Architecture: NORR Structural: NORR Mechanical: NORR Electrical: NORR Interiors: NORR Landscape: Seal(s) NORR 150 W. Jefferson Avenue., Suite 1300 Detroit, MI, US 48226 norr.com Project Manager Drawn B. Colburn Author Checked Project Leader J. Brock Checker Client St. Clair County Health S.Kortman Department Project St. Clair County Health Department Relocation 220 Fort Street Port Huron, MI 48060 Drawing Title FF&E FLOOR PLAN - LEVEL 01 Scale As indicated Project No. JCDT23-0185 Drawing No. A93-01 ARCH E Title Block - v.2023 - Rev (March/2023) - Copyright © 2023



 I
 FF&E FLOOR PLAN - LEVEL 02

 A93-02
 SCALE: 1/8" = 1'-0"

sk Docs//St. Clair County Health Department Relocation/JCDT23-0185 ARi StClairCntyHealthDep.rvt



DATE **ISSUED FOR** REV 04-24-2024 BID / PERMIT 1 This drawing has been prepared solely for the use of St. Clair County Health Department and there are no representations of any kind made by NORR to any party with whom NORR has not entered into a contract. This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer Project Component Key Plan ~~~~~ Consultants Survey: Civil: Architecture: NORR Structural: NORR Mechanical: NORR Electrical: NORR Interiors: NORR Landscape: Seal(s) NORR 150 W. Jefferson Avenue., Suite 1300 Detroit, MI, US 48226 norr.com Project Manager Drawn B. Colburn Author Project Leader Checked J. Brock Checker Client St. Clair County Health S.Kortman Department Project **St. Clair County Health Department Relocation** 220 Fort Street Port Huron, MI 48060 Drawing Title FF&E FLOOR PLAN - LEVEL 02 Scale As indicated Project No. JCDT23-0185 Drawing No. A93-02 ARCH E Title Block - v.2023 - Rev (March/2023) - Copyright © 2023

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### GENERAL NOTES

- GENERAL NOTES ARE APPLICABLE TO ALL HVAC DRAWINGS.
   PERFORM WORK IN ACCORDANCE WITH THE LATEST EDITIONS, REVISIONS, AMENDMENTS OR SUPPLEMENTS OF APPLICABLE STATUTES, ORDINANCES, CODES OR REGULATIONS OF FEDERAL, STATE AND LOCAL AUTHORITIES HAVING JURISDICTIONS IN EFFECT ON THE DATE BIDS ARE RECEIVED.
- 3 WHERE APPROVED STANDARDS HAVE BEEN ESTABLISHED BY OSHA, UNDERWRITERS LABORATORIES, AMERICAN CODES, ASA, ASHRAE, AIR, NEC, STATE FIRE INSURANCE REGULATION BODY, NFPA OR OTHERS. THESE STANDARDS SHALL BE FOLLOWED WHETHER OR NOT INDICATED ON THE DRAWINGS AND SPECIFICATIONS.

		LEGEN	٩D
	L	LINE VOLTAGE	THERMOSTAT
	R	REVERSE ACT	ING THERMOSTAT
	T	LOW VOLTAGE	E THERMOSTAT
	SD	SMOKE DETEC	CTOR
	S		E SENSOR. SEE NOTE RARY THERMOSTATS
	CO <sup>2</sup>	CARBON DIOX	IDE SENSOR.
		SUPPLY DUCT	IN SECTION
		RETURN OR E DUCT IN SECT	
		VOLUME CON	IROL DAMPER
	X	CEILING SUPP	LY DIFFUSER
		CEILING RETU	RN GRILLE
	1	NOTES BY SYI	MBOL
	CFM CUBIC FE PER MINU		NK NECK AFF ABOVE FINISHED
	DN. DOWN		FLOOR
		SATE DRAIN	EXH. EXHAUST
	SA SUPPLY A		REQ'D REQUIRED
	RA RETURN		DMPR DAMPER
	FD FIRE DAM	IFEK	
1	M1-MEC	CH LEGE	ND
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M00-01 SCALE: 1/8" = 1'-0"

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St. Clair County Health
Department Relocation
220 Fort Street
Port Huron, MI
48060
Drawing Title
MECHANICAL NOTES AND LEGENDS Scale 1/8" = 1'-0" Project No. JCDT23-0185 Drawing No. M00-01 ARCH E Title Block - v.2023 - Rev (March/2023) - Copyright © 2023

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											FAN	SCHE	DULE													
											FAN PERFOI	RMANCE			f			UNIT E	LECTRICAL				SIONS	UNI	т	NOTES
G LOCATION	SERVED	MANUFACTURER	ТҮРЕ		MO	DEL	DRIVE	RATED FLO	W		.S.P. (VERIF BY MFG.)			MFG	D BY VOLTS	B PHASE/HZ		VERFIED E MFG.		D Safety, No-Noi Life Safety)		DEPTH	HEIGH			
-1 ROOF -2 ROOF -3 ROOF	PH-187, NEEDLE EXCHANG PH&I EXAM 186 LAB 214	СООК	ACRU- VF, UPBLAST CE ACRU- VF, UPBLAST CE ACRU- VF, UPBLAST CE	ENTRIFUGAL		DOR71VF 17DM 17DM	DIRECT DIRECT DIRECT	(CFM) 134 232 500	(L/S)(in.H)630.51090.52360.5	0 124.4 0 124.4	0.50 12	Pa)       4.4     1,151       4.4     1,580       4.4     1,580		5 0.125 4 0.125	kW)           0.1         120           0.1         120           0.1         120	1/60 1/60 1/60	(A) 0.6 0.6 0.6	(A) 0.7 0.7 0.7	(A) 10 10 10	(Y/N) N N N N	(INCH)         (mm)           20.0         508.0           18.0         457.2           18.0         457.2	20.0 50 18.0 45	08.0         28.0         7           67.2         17.0         4	nm)         (LBS)           11.2         59           31.8         48           31.8         48		) NOTES 5-7 ) NOTES 5-7 ) NOTES 5-7
2	1. PROVIDE LOCAL DISCONNEC 2. PROVIDE MANFACTURER'S 1 3. PROVIDE ECM MOTOR WITH	18" ROOF CURB, BIRDSCREEN, VE	RIFY THE ROOF OPENIN	G WITH SHOP DI	RAWINGS																					
																					7					
						1	REHE	AT COIL	SCHED	ULE																
AG AREA	A SERVED M	ANUFACTURER MODE	MAX FLOW		MIN. FLOW I) (L/s)	(°F) (	°C) (°F)		MAX AI PRESSURE (in.H2O)		CT WIDTH		HEIGHT MM PI	ASE VOLT	ELECTRICAL		V	ERATING VEIGHT	_ CC	OMMENTS						
-1 PH&I Exam 2, 161 -2 PH&I Exam 3, 162		DAIKIN DAIKIN	107	55         107           48         113	50	55.0 1	2.8         75.0           2.8         75.0	23.9	0.2	49.8         8.0           49.8         8.0	203.2	6.0 6.0	152.4 152.4	1         120           1         120	0.68	0.75	97.0	) 213.4	REFER TO N		_					
H-3 PH&I Exam 4, 163		DAIKIN	102	50 102	48	55.0 1	2.8 75.0	23.9	0.2	49.8 8.0	203.2	6.0	152.4	1 120	0.64	0.75	97.0	213.4	REFER TO I	NOTES 1-4	_					
I-4PH&I Exam 5, 164I-5PH&I Exam 6, 165		DAIKIN DAIKIN		4911454101			2.8     75.0       2.8     75.0			49.8     8.0       49.8     8.0		6.0 6.0	152.4 152.4	1 120 1 120	0.72	0.75 0.75			REFER TO N		_					
I-6 PH Clerical-Nursing	office area, 170, 169,	DAIKIN	302	109 302	143	55.0 1	2.8 75.0	23.9	0.2	49.8 10.0	254.0	10.0	254.0	3 208	1.91	2.00	97.0	213.4	REFER TO I	NOTES 1-4						
I-7 PH Needle Exchang I-8 PH&I Exam 1, 186,	-	DAIKIN DAIKIN	113	53 113 62 194			2.8     75.0       2.8     75.0			49.8 8.0 49.8 8.0		6.0 6.0	152.4 152.4	1 120 3 208	0.72	0.75			REFER TO N		_					
I-9 PH Exam 1, 185		DAIKIN	117	65 117	55	55.0 1	2.8 75.0	23.9	0.2	49.8 8.0	203.2	6.0	152.4	1 120	0.74	0.75	97.0	) 213.4	REFER TO I	NOTES 1-4	_					
I-10 PH Exam 2, 184 I-11 PH Exam 3, 183		DAIKIN DAIKIN	117 6 117 CA	620117ALC.117			2.875.02.875.0			49.88.049.88.0		6.0 6.0	152.4 152.4	1 120 1 120	0.74	0.75 0.75			REFER TO N		-					
I-12 PH Exam 4, 182 I-13 Exam Room-7, 139		DAIKIN DAIKIN	116 CA		55	55.0 1	2.8     75.0       2.8     75.0	23.9	0.2	49.8     8.0       49.8     8.0	203.2	6.0 6.0	152.4 152.4	1 120 1 120	0.73	3.00	97.0	213.4	REFER TO N	NOTES 1-4	_					
-14 Exam Room-6, 140		DAIKIN	106 C/	ALC. 106	50	55.0 1	2.8 75.0	23.9	0.2	49.8 8.0	203.2	6.0	152.4	1 120	0.67	0.75	97.0	) 213.4	REFER TO I	NOTES 1-4						
-15 Exam Room-5, 141 -16 Exam Room-4 (Brea		DAIKIN DAIKIN	104 CA	ALC. 104 ALC. 114			2.8         75.0           2.8         75.0			49.88.049.88.0		6.0 6.0	152.4 152.4	1 120 1 120	0.66	0.75			REFER TO N		-					
-17 WIC Staff/Nurse-83 -18 Exam Room-3, 123	office area, 134, 135	DAIKIN DAIKIN	230 C/ 113 C/	ALC. 230 ALC. 113			2.875.02.875.0			49.88.049.88.0		8.0 6.0	203.2 152.4	3 208 1 120	1.46 0.71	1.50 0.75			REFER TO N		_					
																					-					
-19 Exam Room-2, 124		DAIKIN	131	ALC. 131			2.8 75.0		0.2	49.8 8.0		6.0	152.4	3 208	0.83	1.00			REFER TO N		_					
-20Exam Room-1, 125-21Lobby Area, 106		DAIKIN DAIKIN		ALC. 138 ALC. 1,314	65 4 620		2.8         75.0           2.8         75.0	23.9       23.9       23.9	0.2	49.88.049.818.0		6.0 12.0	152.4 304.8	32083208	0.87	1.00 9.00			REFER TO N		_					
	2. 3.	CONTRACTOR TO VERIFY PROVIDE SCR CONTROLLE PROVIDE AIR FLOW SWITC	ER, VERIFY THE CON CH, THERMAL CUT-C	NTROL BOX H	IAND SIDE, C	COORDINATE	WITH EXIS	FING CONDIT	IONS TO ALL		FICIENT ACC	ESS, INDIC	ATE HAND ON	SHOP DRAW	INGS											
	4.	PROVIDE FLANGED CONNI																								
						SUPPLY FAN	1				ANDLII	NG UN		E <b>DULE</b>							GLY	COL HEATING	CAPACITY			
G LOCATION SERVE	ED MFG./MODEL	MIN. OUTSIDE AIR FLOW	RATED SUPPLY AIR FLOW	E.S.P.	T.S.P.			ATED BRAKE HP	E RATED I (VERIF	ED BY	ED SUPPLY IR FLOW	E.S.P	T.S.P.	(VERIFIED MFG.)		ATED	RATED MOTOR ERIFIED BY MFG.)	RATED HEATING AIRFLOW		.AT EGLT L	GYT AIR E.	S.P.	MINIMUM SENSIBLE CAPACITY	FLUID	MAX. FLUID P.D.	MAX. VELOCITY
-1 INDOOR HEALTI	H DAIKIN VISION CAH007G	(CFM) (L/S) GDAM 1,320 623	(CFM) (L/S) ( 3,300 1,557	(in.H2O) (kP 1.25 0.3	, ,	<b>O)</b> (KPa) 0.75		<b>3HP) (kW)</b> 4.48 3.3	` ´	(kW) (CF 5.6 2,60	, , ,	· /	(kPa) (in.H2 0.19 0.8	<b>O) (KPa)</b> 0.19		P)         (kW)         (B)           4         1.3         3	HP) (kW)	(CFM) 2600.0		DB         (F) DB         (F)           72.0         170         1	DB         (in.H2O)           50.0         0.15	(KPa) (MI 0.04 20	<b>BH)</b> (kW) 5.0 60.1 33	<b>(TYPE)</b> 3% Propylene Glyc	(FT) ol 3.0	<b>(FPM)</b> 430
COOLING CAP	PACITY									FILTERS		F	RETURN FAN		SUPPLY F		E				HUMIC		NOT INCLUDED	WITH UNIT)		
SENSIBLE MIN. TOT APACITY CAPACI		AT EAT LAT LAT	T FLUID LWT	LWT FLC	OW FLUID P.D.	DROP		CITY PRE	E.S.I	P. FIN	AL E.S	6.P. V(	OLTS PHASE HZ	FLA (PER FAN)	VOLTS PH	ASE/ FLA ( HZ FA	PER Sa	NER (Yes-L fety, No-No ₋ife Safety)						INDOOR HUMIDITY RAT	IO LOAD	LOAD U
		DB         (F) WB         (F) DB         (F) W           0.0         67.5         53.6         53.2		(F) WB(GP54.018.		(IN) (ki 0.80 2	Pa) (FPN .4 500		(IN) 0.61	(kPa) TY 0.152 MER		(kPa) 0.25	460 3/60	(A) 4.2	460 3,	( <b>A</b> /60 9.		<b>(Y/N)</b> N	(CFM) 1,320		(GRAINS 3.97		,	(GRAINS/LB) 34.98	(BTU/HR) 27,835	(LB/HR) ( 29
					UNIT					NOTES	6															
	IT DIMENSIONS		N UNIT DIMENSIONS																							
WIDTH LE ICH) (mm) (INCH)	NGTH HEIGH	IT WIDTH (mm) (INCH) (mm) (II	LENGTH H	HEIGHT ( H) (mm) (	UNIT WEIGH	g)	NOTES 1-10								_											
WIDTH LE NCH) (mm) (INCH)	NGTH HEIGH	IT WIDTH (mm) (INCH) (mm) (II	LENGTH H	HEIGHT I	(LBS) (Kဋ	g)	NOTES 1-10																			
WIDTH         LE           NCH)         (mm)         (INCH)           48.0         1,219.2         164.0           NOTES:         1. SELECTIONS BASED	NGTH HEIGH (mm) (INCH) 4,165.6 36.0 ON OUTDOOR CONDITIONS C	IT     WIDTH       (mm)     (INCH)     (mm)     (II       914.4     48.0     1,219.2     1       DF SUMMER 88F DB/75F WB, ANI	LENGTH H NCH) (mm) (INC 52.0 1,320.8 32.0 D WINTER -1 DB, AND IN	HEIGHT	(LBS) (Kg X X	g) REFER TO N	F and 30% RH.					ΙΙ ΓΔΝΙ ζεςτιά		WITH TOD סוני	HARGE											
WIDTHLENCH)(mm)(INCH)48.01,219.2164.048.02.000000000000000000000000000000000000	Image: NGTH       HEIGH         (mm)       (INCH)         4,165.6       36.0         0       4,165.6         0       0         0       0         0       0         4,165.6       36.0         0       0         0	IT     WIDTH       (mm)     (INCH)     (mm)     (II       914.4     48.0     1,219.2     1	LENGTH H NCH) (mm) (INC 52.0 1,320.8 32.0 D WINTER -1 DB, AND IN SECTION, TOP RETURN IN WER CONNECTION FOR T LATORS FOR THE FAN	HEIGHT	(LBS) (Kg X X R 75F/50% RH A N, REAR OUTSIE	<b>g)</b> REFER TO N AND WINTER 72 DE AIR INTAKE, F	F and 30% RH.	TION, HEATING	COIL, HUMIDIF	ICATION SECTION	N, COOLING CO	IL, FAN SECTIO	ON, FINAL FILTER	WITH TOP DISC	HARGE											

NOTES
REFER TO NOTES 1-10

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В

DATE **ISSUED FOR** REV This drawing has been prepared solely for the use of St. Clair County Health Department and there are no representations of any kind made by This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer Project Component Key Plan ç..... Consultants Survey: Civil: Architecture: Structural: Mechanical: Electrical: Interiors: Landscape: Seal(s) NORR 150 W. Jefferson Avenue., Suite 1300 Detroit, MI, US 48226 norr.com Project Manager<br/>B. ColburnDrawn<br/>N. KENTProject Leader<br/>J. BrockChecked<br/>D. DOVASClientSt. Clair County HealthDemocratic product Department Project
St. Clair County Health
Department Relocation
220 Fort Street
Port Huron, MI
48060
Drawing Title
MECHANICAL SCHEDULES Scale Project No. JCDT23-0185 Drawing No. M00-03 ARCH E Title Block - v.2023 - Rev (March/2023) - Copyright © 2023

TAGS	SERVICE	MANUF.	HP INDOOR MODEL	CU OUTDOOR MODEL	SUPPLY FAM	1		C		ODE				MIN. HE	ATING	HEA	TING	ELE	CTRICA		EMERG.			DIMENSI	ONS		WE	EIGHT	WEI	GHT	NOTES
						TOTAL	SENSIBLE			AIR S	SIDE		DX	САРАС	CITY	AIR	SIDE	V/Ph/Hz	MCA	МОСР	POWER						INDO	OR UNIT	CONDE (OUTD	ENSING OOR)	
					FLOW	CAPACITY	CAPACITY	EAT					CIRCUITS					_		<i>(</i> <b>,,</b> )		WID		DEPTI							
					(CFM) (L/S)	(MBH) (kW)	(MBH) (kW)	(°F)	(°C) (°F) (	(°C) (°	F) (°C)	(°F) (°C)		(MBH)	(KW)	(°F) (°C)	(°F) (°C)		(A)	(A)	(Y/N)	(INCH)	(mm)	(INCH) (I	nm) (INC	H) (mm)	(LBS)	(Kg)		(Kg)	
P-1	Mini-Lab -1, #172	MITSUIBISHI	MLZ-KP09NA(2) U1		212 100	9,000 2,637.6	6,300.0 1,846.3	3 78.0	25.6 67.0 1	19.4 55.	.00 12.8	54.5 12.5	1.0	12,000.0	3,516.9	60.0 15.6	90.0 32.2	2 208/1/60	1	10	Y	43.0 1	1,092.2	14.0 3	55.6 7.0	) 177.8	34	15	1	VALUE!	
IP-2	Mini-Lab-2, # 137	MITSUIBISHI	MLZ-KP09NA(2) U1		212 100	9,000 2,637.6	6,300.0 1,846.3	3 78.0	25.6 67.0 1	19.4 55.	.00 12.8	54.5 12.5	1.0	12,000.0	3,516.9	60.0 15.6	90.0 32.2	2 208/1/60	1	10	Y	43.0 1	1,092.2	14.0 3	55.6 7.0	) 177.8	34	15	X	VALUE!	;EE NOT 3, 9
U-1 I	/ini-Lab 172 AND 137	MITSUIBISHI		MXZ-2C20NAHZ4-U1	CALC	5,118 1,499.9	CALC.	c. 95.0	35.0 75.0 2	23.9	CALC.	CALC.	1.0	22,000.0	6,447.6	47.0 8.3	70.0 21.1	208/1/60	26.9	40	Y	37.0	939.8	12.0 3	04.8 42.0	0 1,066.8	x	#VALUE!		00 2	SEE NOT 2, 4, 5, 6,
P-3	Mini-Lab -1, #172	MITSUIBISHI	MLZ-KP09NA(2) U1		212 100	9,000 2,637.6	6,300.0 1,846.3	3 78.0	25.6 67.0 1	19.4 55.	.00 12.8	54.5 12.5	1.0	12,000.0	3,516.9	60.0 15.6	90.0 32.2	2 208/1/60	1	10	Y	43.0 1	1,092.2	14.0 3	55.6 7.0	) 177.8	34	15	X	VALUE!	SEE NOT 3, 9
IP-4	Mini-Lab-2, # 137	MITSUIBISHI	MLZ-KP09NA(2) U1		212 100	9,000 2,637.6	6,300.0 1,846.3	3 78.0	25.6 67.0 1	19.4 55.	.00 12.8	54.5 12.5	1.0	12,000.0	3,516.9	60.0 15.6	90.0 32.2	2 208/1/60	1	10	Y	43.0 1	1,092.2	14.0 3	55.6 7.0	) 177.8	34	15	X	VALUE!	;EE NOT }, 9
U-2 I	/ini-Lab 172 AND 137	MITSUIBISHI		MXZ-2C20NAHZ4-U1	CALC	5,118 1,499.9	CALC.	c. 95.0	35.0 75.0 2	23.9	CALC.	CALC.	1.0	22,000.0	6,447.6	47.0 8.3	70.0 21.1	208/1/60	26.9	40	Y	37.0	939.8	12.0 3	04.8 42.0	0 1,066.8	x	#VALUE!	187		SEE NOT 2, 4, 5, 6,
	NOTES	<ol> <li>Provide one</li> <li>Provide Roc</li> <li>Provide 1-w</li> <li>Provide low</li> <li>Mechanical</li> <li>Provide loca</li> </ol>	of mounted frame for ay ceiling cassette, c ambient cooling Contractor to provide al disconnect	ontroller to control unit v condensing unit condensate pump for uni e load side power conne driven compressor, built	it, 1-1/4" Drain o	lensing unit to wal	l unit																								

8. Connect indoor unit to CU-1

9. Connect indoor unit to CU-2 10. Install per manufacturer's recommendations

							PERFORM	MANCE DATA							CO	NSTRUCTION D	ATA					
DESIGNATION	LOCATION	FLC	WC	E.\$	S.P		-	INSERTION L	OSS BY OCTAVE I	BAND CENTRE FRE	QUENCY (HZ)		_		W	IDTH	HE	IGHT	LE	NGTH	OPERATING	NOTES
		CFM	L/S	IN. WC	KPA	63	125	250	500	1000	2000	4000	8000	ТҮРЕ	IN	ММ	IN	ММ	IN	ММ	WEIGHT (lbs)	
	AHU-1	3,962	1,869	0.40	0.1	0	6	19	26	31	31	28	25	DUCT MOUNTED STRAIGHT RECTANGULAR	24	609.6	20	508	60	1524	-	
	RF-1	3,288	1,551	0.40	1.00	0	0	11	21	24	23	20	16	DUCT MOUNTED STRAIGHT RECTANGULAR	24	609.6	18	457.2	60	1524	-	

2. PROVIDE SHOP DRAWINGS FROM ACOUSTICAL VENDOR, VENDOR TO VERIFY SELECTION BASED ON TENDER DRAWINGS

TAG	APPLICATION	UNIT SIZE	MANUFACTURER	MODEL	ΜΑΥΙΜΙΙ			MAIR FLOW		NLET SIZE		OUTLE	T SIZE		ATTEN	UATOR	TER	MINAL DI	MENSIO	NS W/O A	ATTENU	JATOR	SC	OUND POW	VER LEVE	L Lw dB r	e 10^-12 V	Vatts		SOUND PO	<b>NER LEVEL</b>	. Lw dB re '	10^-12 Watt	S	NOTES
NO.				NUMBER							LEN	IGTH	WID <sup>-</sup>	ТН	LEN	GTH	LEN	IGTH	WIE	DTH	HE	IGHT	DIS	CHARGE (	OCTAVE E	BAND FOF	R 1.0 IN (28	50 Pa)		RADIATED (	OCTAVE BA	ND FOR 1.	0 IN (250 Pa	a)	
					(CFM)	(L/S)	(CFM)	(L/S)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	(in.)	(mm)	2	3	4	5	6	7	2	3	4	5	6	7	
VAV-A	SUPPLY	6	TRANE	XX	550	260	165	78	6.0	152.4	10.0	254.0	10.0	254.0	36.0	914.4	20.0	508.0	20.0	508.0	10.0	254.0	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	<b>REFER TO NOTES 1-7</b>
VAV-B	SUPPLY	7	TRANE	XX	800	378	240	113	7.0	177.8	12.0	304.8	12.0	304.8	36.0	914.4	20.0	508.0	20.0	508.0	12.0	304.8	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-7
VAV-C	SUPPLY	8	TRANE	XX	1,100	519	330	156	8.0	203.2	12.0	304.8	12.0	304.8	36.0	914.4	20.0	508.0	20.0	508.0	12.0	304.8	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-7
VAV-D	SUPPLY	10	TRANE	XX	1,840	868	550	260	10.0	254.0	14.0	355.6	12.0	304.8	36.0	914.4	10.0	254.0	20.0	508.0	12.0	304.8	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-7
VAV-E	SUPPLY	12	TRANE	XX	2,500	1,180	750	354	12.0	304.8	18.0	457.2	12.0	304.8	36.0	914.4	20.0	508.0	18.0	457.2	12.0	304.8	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-7
VAV-F	SUPPLY	14	TRANE	XX	3,125	1,475	950	448	14.0	355.6	24.0	609.6	12.0	304.8	36.0	914.4	20.0	508.0	24.0	609.6	12.0	304.8	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	<b>REFER TO NOTES 1-7</b>

NOTES: 1. FOR ACTUAL AIRFLOWS, REFER TO THE DRAWINGS

2. PROVIDE CONTROLLER AND TEMPERATURE SENSOR BY CONTROLS CONTRACTOR

3. CONTRACTOR TO COORDINATE WITH CONTROLS CONTRACTOR THE CONFIGURATION SIDE OF THE CONTROLLER PRIOR TO ORDERING WITH THE LOCATION TO MAINTAIN MINIMUM 600MM CLEAR TO SIDE OF CONTROLLER 4. PROVIDE DISCHARGE ATTENUATOR BY THE MANUFACTURER

5. CONTRACTOR TO VERIFY THE ORIENTATION OF THE UNIT BASED ON ACTUAL CONDITIONS PRIOR TO SHOP SUBMITTAL

6. PROVIDE SHOP SUBMITTAL WITH ALL THE INFORMATION AS DESCRIBED IN THE SCHEDULE 7. REFER TO DRAWINGS FOR EQUIPMENT TAG NO. AND QUANTITY

<i>·</i> · · · · <b>=</b> · <b>=</b> · · ·	• =			

TAG NO.	Exist.	APPLICATION	UNIT SIZE	MANUFACTURER	MODEL NUMBER	· · ·	(IMUM AIR LOW		JM AIR FLOW		IMUM AIR .OW	INI	ET SIZE	ATTEN	UATOR GTH					e 10^-12 W R 1.0 IN (25				WER LEVEL		10^-12 Watt 0 IN (250 Pa	-	NOTES
						(CFM)	(L/S)	(CFM)	(L/S)	(CFM)	(L/S)	(in.)	(mm)	(in.)	(mm)	2	3	4	5	6	7	2	3	4	5	6	7	
TU-2	E	SUPPLY	6	TRANE	XX	300	142	220	104	88	42	6.0	152.4	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-7
rU-3a	E	SUPPLY	8	TRANE	XX	540	255	540	255	216	102	8.0	203.2	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-8
U-3b	E	SUPPLY	8	TRANE	XX	525	248	700	330	280	132	8.0	203.2	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-9
J-3c	E	SUPPLY	8	TRANE	XX	540	255	540	255	216	102	8.0	203.2	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-
J-3d	E	SUPPLY	8	TRANE	XX	510	241	540	255	216	102	8.0	203.2	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-
J-3e	E	SUPPLY	8	TRANE	XX	420	198	420	198	168	79	8.0	203.2	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-
J-4a	E	SUPPLY	10	TRANE	XX	650	307	630	297	252	119	10.0	254.0	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-2
J-4b	E	SUPPLY	10	TRANE	XX	810	382	810	382	324	153	10.0	254.0	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-
J-4c	E	SUPPLY	10	TRANE	XX	660	311	495	234	198	93	10.0	254.0	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-2
J-5a	E	SUPPLY	12	TRANE	XX	1,140	538	1,140	538	456	215	12.0	304.8	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-1
J-5b	E	SUPPLY	12	TRANE	XX	960	453	1,090	514	436	206	12.0	304.8	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-
I-5c	E	SUPPLY	12	TRANE	XX	780	368	1,000	472	400	189	12.0	304.8	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-
-5d	E	SUPPLY	12	TRANE	XX	1,100	519	1,100	519	440	208	12.0	304.8	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-
-6a	E	SUPPLY	14	TRANE	XX	1,200	566	1,500	708	600	283	14.0	355.6	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-
-6b	E	SUPPLY	14	TRANE	XX	1,110	524	1,110	524	444	210	14.0	355.6	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-
J-6c	E	SUPPLY	14	TRANE	XX	1,260	595	1,260	595	504	238	14.0	355.6	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-
J-6d	E	SUPPLY	14	TRANE	XX	1,290	609	1,290	609	516	244	14.0	355.6	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-
-6e	E	SUPPLY	14	TRANE	XX	1,105	521	2,616	1,235	1,046	494	14.0	355.6	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-
J-6f	E	SUPPLY	14	TRANE	XX	1,860	878	1,860	878	744	351	14.0	355.6	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-
J-6g	E	SUPPLY	14	TRANE	XX	1,350	637	1,350	637	540	255	14.0	355.6	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-
J-6h	E	SUPPLY	14	TRANE	XX	1,290	609	1,290	609	516	244	14.0	355.6	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-
U-6i	E	SUPPLY	14	TRANE	XX	1,290	609	1,290	609	516	244	14.0	355.6	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-2
J-6j	E	SUPPLY	14	TRANE	XX	1,495	706	1,580	746	632	298	14.0	355.6	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-2
J-6k	E	DEMOLITION	14	TRANE	XX	1,350	637	0	0	0	0	14.0	355.6	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-3
J-6l	E	SUPPLY	14	TRANE	XX	1,185	559	1,185	559	474	224	14.0	355.6	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-3
J-7a	E	SUPPLY	16	TRANE	XX	1,520	717	1,850	873	740	349	16.0	406.4	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-3
J-7b	E	DEMOLITION	16	TRANE	XX	1,920	906	0	0	0	0	16.0	406.4	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-3
J-7C	E	DEMOLITION	16	TRANE	XX	1,455	687	0	0	0	0	16.0	406.4	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-3
J-7d	E	DEMOLITION	16	TRANE	XX	1,280	604	0	0	0	0	16.0	406.4	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-3
J-7e	E	SUPPLY	16	TRANE	XX	1,860	878	1,860	878	744	351	16.0	406.4	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-3
J-7f	E	SUPPLY	16	TRANE	XX	1,880	887	1,880	887	752	355	16.0	406.4	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-3
U-7g	F	SUPPLY	16	TRANE	XX	1,560	736	1,560	736	624	294	16.0	406.4	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	51	53.0	39.0	REFER TO NOTES 1-3
U-7h		SUPPLY	16	TRANE	XX	1,100	519	1,100	519	440	208	16.0	406.4	36.0	914.4	58	52	46	41	42.0	36.0	27	29	40	<b>51</b>	53.0	39.0	REFER TO NOTES 1-3

NOTES: 1. PROVIDE CONTROLLER AND TEMPERATURE SENSOR BY CONTROLS CONTRACTOR 2. CONTRACTOR TO COORDINATE WITH CONTROLS CONTRACTOR THE CONFIGURATION SIDE OF THE CONTROLLER PRIOR TO ORDERING WITH THE LOCATION TO MAINTAIN MINIMUM 600MM CLEAR TO SIDE OF CONTROLLER 3. PROVIDE DISCHARGE ATTENUATOR BY THE MANUFACTURER

4. CONTRACTOR TO VERIFY THE ORIENTATION OF THE UNIT BASED ON ACTUAL CONDITIONS PRIOR TO SHOP SUBMITTAL 5. REFER TO DRAWINGS FOR EQUIPMENT TAG NO. AND QUANTITY

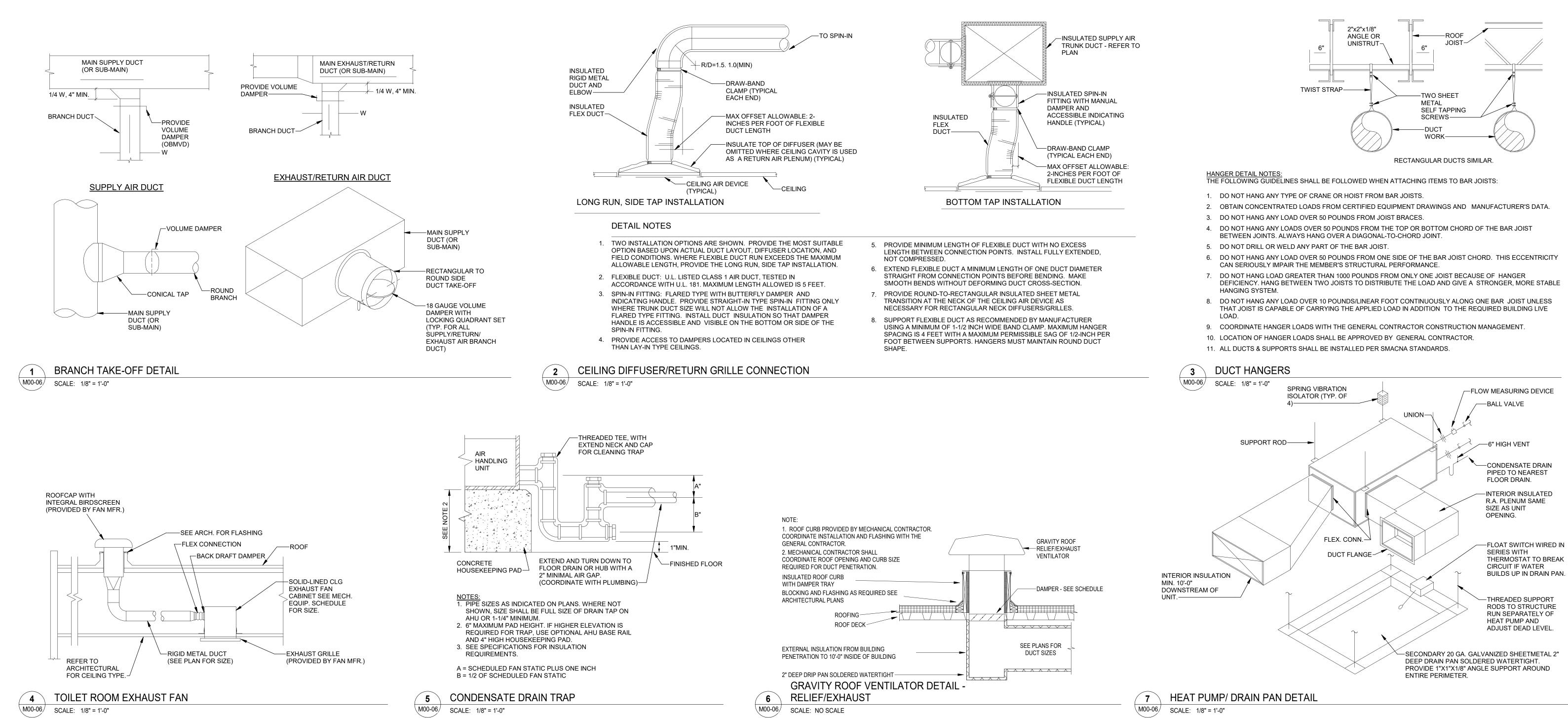
# VARIABLE AIR VOLUME (VAV) SCHEDULE

REV DATE **ISSUED FOR** This drawing has been prepared solely for the use of St. Clair County Health Department and there are no representations of any kind made by This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer Project Component Key Plan \_\_\_\_\_ Consultants Survey: Civil: Architecture: Structural: Mechanical: Electrical: Interiors: Landscape: Seal(s) NORR 150 W. Jefferson Avenue., Suite 1300 Detroit, MI, US 48226 norr.com Project Manager Drawn N. KENT B. Colburn Project Leader Checked D. DOVAS J. Brock Client St. Clair County Health Department Project St. Clair County Health **Department Relocation** 220 Fort Street Port Huron, MI 48060 Drawing Title MECHANICAL SCHEDULES 2 Scale Project No. JCDT23-0185 Drawing No. M00-04 ARCH E Title Block - v.2023 - Rev (March/2023) - Copyright © 2023

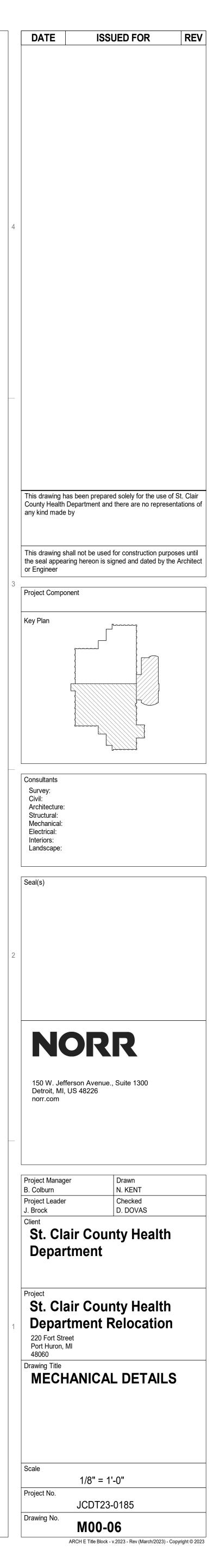
							1 1	HUMIDI	FICATION PER	RFORMANCE	I			UNI	T ELECTRICA	L	EMERGENCY		L		ENSION	3		UNIT	NOTE
AG IO.	LOCATION	N SERVED	MFG./MODEL	OUTSIDE AI	R FLOW	OUTDOOR AIR TEMP. (F) DRY BULB		INDOOR TEMP. (F)	INDOOR RH%	INDOOR HUMIDITY RATIO (G/LB)	Calc. LOAD	CALC. MIN LOAD	WATER USAGE (GPM)	VOLTS/PHAS	PE		POWER (Yes-Life		DTH	LEN	этн	HEIG	HT (	UNIT OPERATING WEIGHT	
				(CFM)	(L/S)						(BTU/HR)	(LB/HR)			(A)	(A)	(Y/N)	(INCH)	(mm)	(INCH)	(mm)	(INCH)	(mm) (l	LBS) (Kg)	
1	DUCT	HEALTH	DRI-STEEM/VAPOR MIST VM-10	1,321	623	-1.0	3.97	72	30	34.98	27,856	29	0.06	480/3	12.6	15	N	16.0	406.4	24.0	609.6	19.0	482.6	139 63	REFER TO NOTES 2
	NOTE	2. PROVIDE 3. PROVIDE	NS BASED ON OUTDOOR CONDITIO MINIMUM 3' SECTION FOR DUCT N DRAIN COOLER WITH SOLENOID VA PER MANUFACTURER RECOMMEND	10UNTED ALUM LVE CONNECTED	INUM OR	STAINLESS STEEL D			-	INTER 72F and 30	% RH.														
		4. INSTALL																							
		5. PROVIDE	RAPID-SORB MANIFOLD WITH HIGH	EFFICIENCY TUE	BES																				
			RAPID-SORB MANIFOLD WITH HIGF MFG. 24" HIGH STAND	EFFICIENCY TUE	BES																				

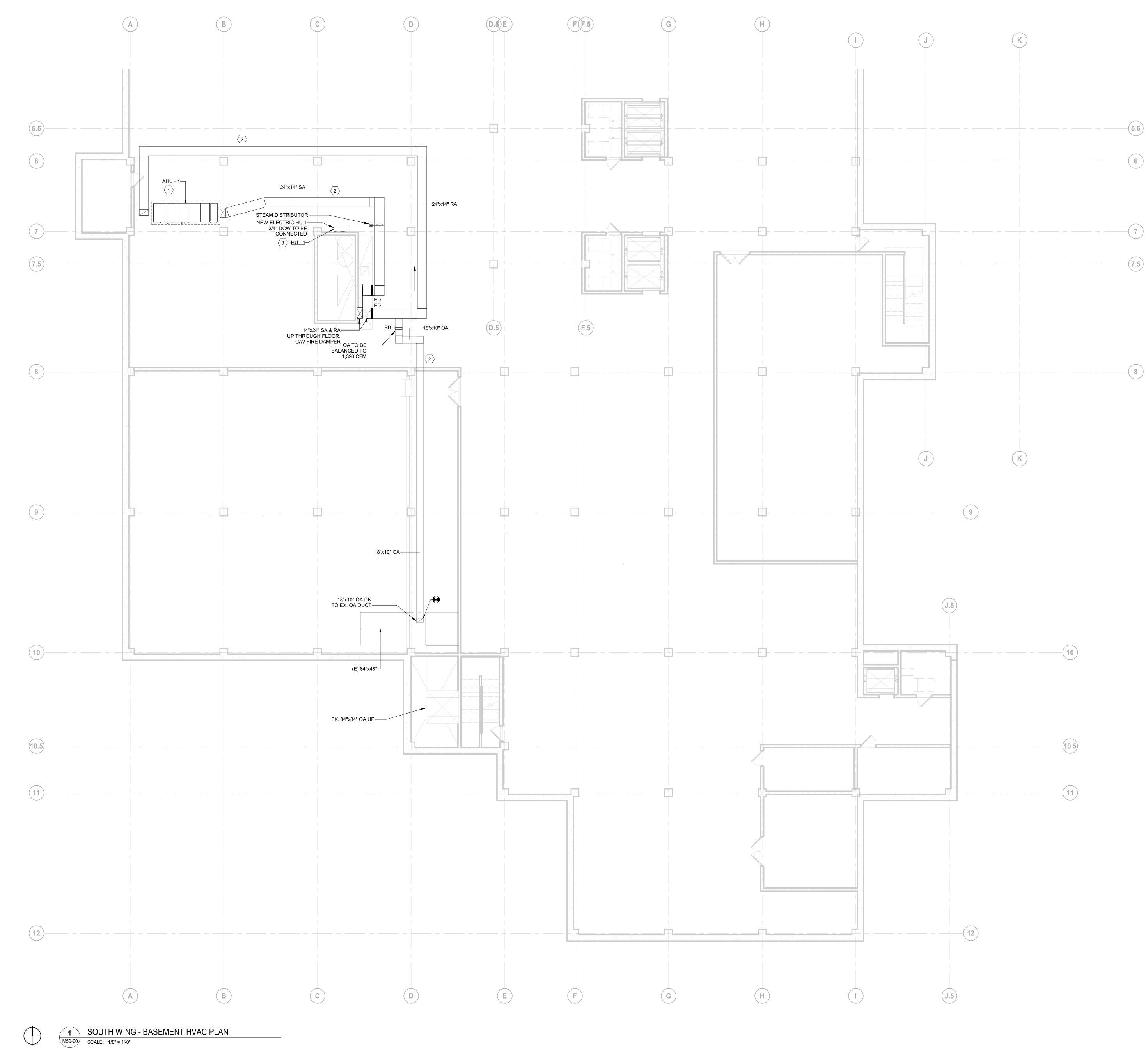
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DATE **ISSUED FOR** REV This drawing has been prepared solely for the use of St. Clair County Health Department and there are no representations of any kind made by This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer Project Component Key Plan \_\_\_\_\_ Consultants Survey: Civil: Architecture: Structural: Mechanical: Electrical: Interiors: Landscape: Seal(s) NORR 150 W. Jefferson Avenue., Suite 1300 Detroit, MI, US 48226 norr.com Project Manager<br/>B. ColburnDrawn<br/>N. KENTProject Leader<br/>J. BrockChecked<br/>D. DOVASClientSt. Clair County HealthDemocratic product Department Project
St. Clair County Health
Department Relocation
220 Fort Street
Port Huron, MI
48060
Drawing Title
MECHANICAL SCHEDULES 3 Scale Project No. JCDT23-0185 Drawing No. M00-05 ARCH E Title Block - v.2023 - Rev (March/2023) - Copyright © 2023









#### **GENERAL NOTES FOR NEW HVAC WORK** 1. THIS DRAWING IS DIAGRAMMATIC & INDICATED THE GENERAL EXTENT OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION AND PROPER INSTALLATION OF ALL MECHANICAL SYSTEM. CONTRACTOR SHALL PROVIDE ALL NECESSARY OFFSETS, FITTINGS, WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS. 2. THE CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL, ETC. FOR THE PROPER INSTALLATION OF ALL MECHANICAL SYSTEMS.

3. CORODINATE FLOOR, WALL AND ROOF PENETRATIONS, ETC. WITH ARCHITECTURAL TRADES IF ANY. 4. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF

DUCTWORK AND EQUIPMENT WITH ALL OTHER TRADES. 5. BRANCH DUCTWOKR TO TERMIANL BOXES SHALL BE BOX

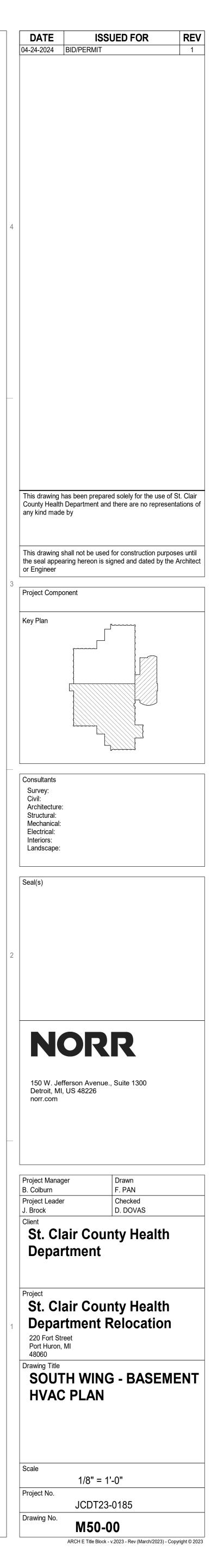
INLET SIZE AS NOTED IN RELEVANT MECHANICAL SCHEDULE. 6. CONTRACTOR SHALL MOUNT ANY THERMOSTATS/DIGITAL TEMPERATURE SENSORS 48" A.F.F.

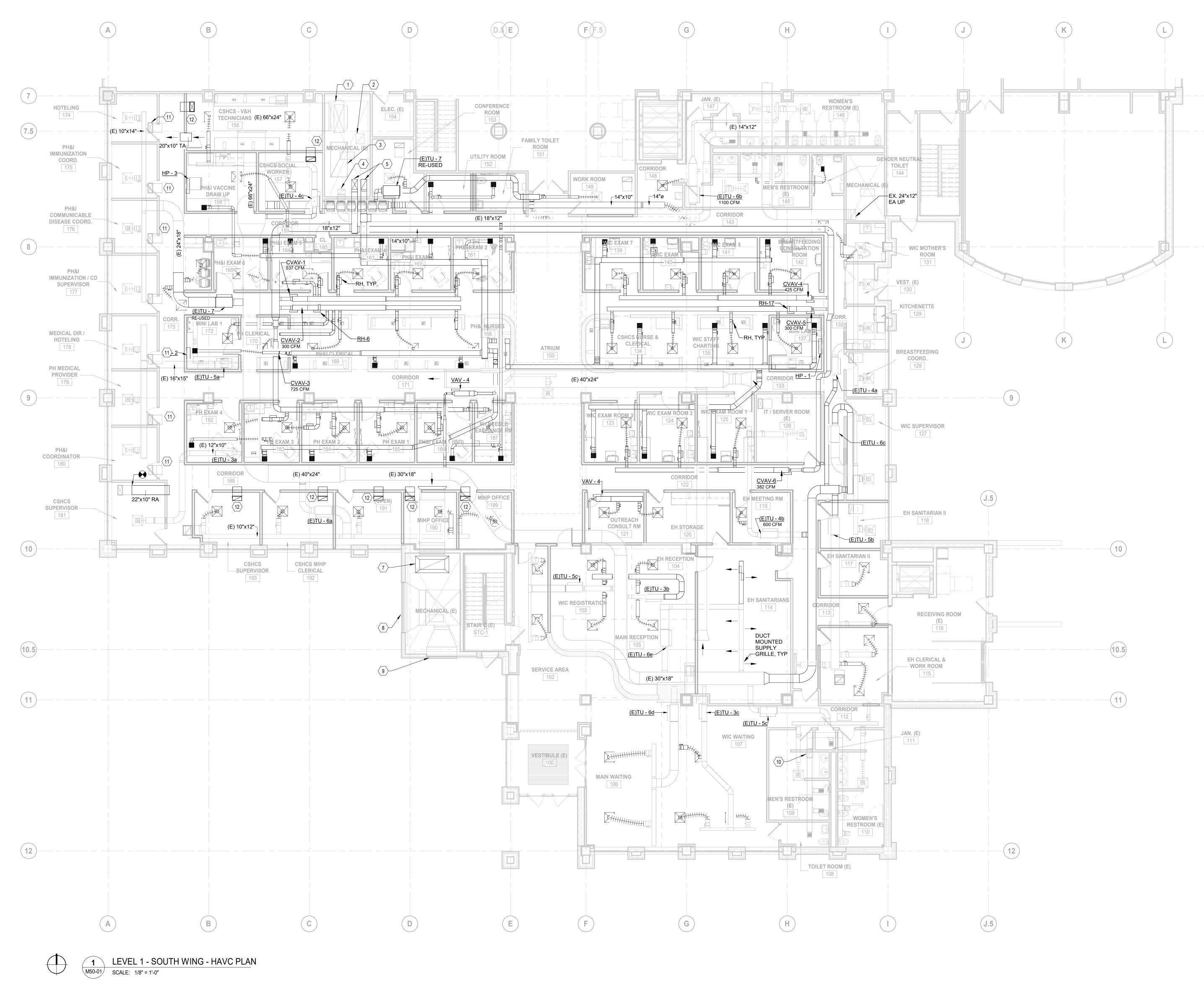
7. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL REFELECTED CEILING PLANS FOR GRILLE, REGISTER AND DIFFUSERS LOCATIONS.

8. COORDINATE WITH ARCHITECTURAL AND PROVIDE ACCESS DOORS IN GYMSUM BOARD CEILING AREAS FOR ACCESS TO TERMIAL UNITS, BALANCING DAMPERS, TERMINAL UNIT HEATING COIL PIPING, SMOKE DETECTORS, ETC.

# SHEET KEYED NOTES

- $\langle 1 \rangle$  NEW AHU-1 TO BE LOCATED INTO EXISTING MAINTENANCE OFFICE, C/W 4" HIGH CONCRETE HOUSEKEEPING PAD, AND 2 x 6" RAILS.
- $\langle 2 \rangle$  ALL NEW DUCTWORKS & PIPING SERVING "AHU-1" TO BE ROUTED CLEAR OF ANY EXISTING DUCTS, PIPING & OBSTRUCTIONS, ETC, AT BASEMENT LEVEL EVEN IF NOT BEING SHOWN . CONTRACTOR TO VERIFY ON SITE, TYPICALLY.
- (3) NEW ELECTRIC HUMIDIFIER HU-1 CABINET TO BE WALL MOUNTED,MIN. 36" ABOVE FINISHED FLOOR, ASSOCIATED PIPING TO BE CONNECTED TO DUCT-MOUNTED STEAM DISTRIBUTION MANIFOLD PER THE MANUFACTURER'S INSTRUCTION.





**GENERAL NOTES FOR NEW HVAC WORK** 1. THIS DRAWING IS DIAGRAMMATIC & INDICATED THE GENERAL EXTENT OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION AND PROPER INSTALLATION OF ALL MECHANICAL SYSTEM. CONTRACTOR SHALL PROVIDE ALL NECESSARY OFFSETS, FITTINGS, WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS. 2. THE CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL, ETC. FOR THE PROPER INSTALLATION

-(7)

(7.5)

-(8)

OF ALL MECHANICAL SYSTEMS. 3. CORODINATE FLOOR, WALL AND ROOF PENETRATIONS, ETC. WITH ARCHITECTURAL TRADES IF ANY. 4. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF

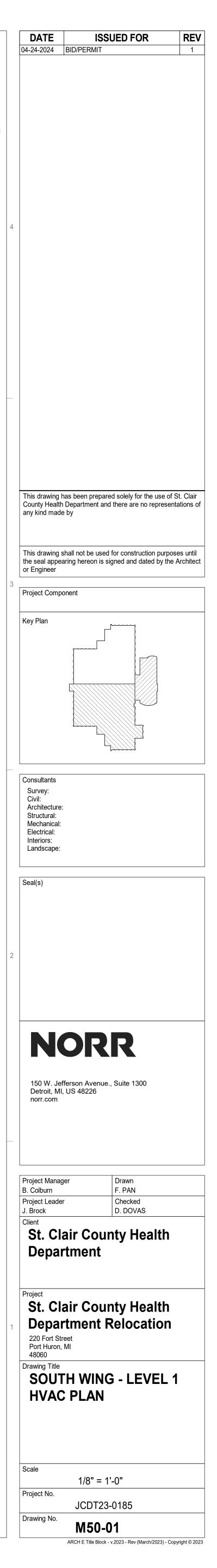
DUCTWORK AND EQUIPMENT WITH ALL OTHER TRADES. 5. BRANCH DUCTWORK TO TERMINAL BOXES SHALL BE BOX INLET SIZE AS NOTED IN RELEVANT MECHANICAL SCHEDULE.

6. CONTRACTOR SHALL MOUNT ANY THERMOSTATS/DIGITAL TEMPERATURE SENSORS 48" A.F.F. 7. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL REFELECTED CEILING PLANS FOR GRILLE, REGISTER AND DIFFUSERS LOCATIONS.

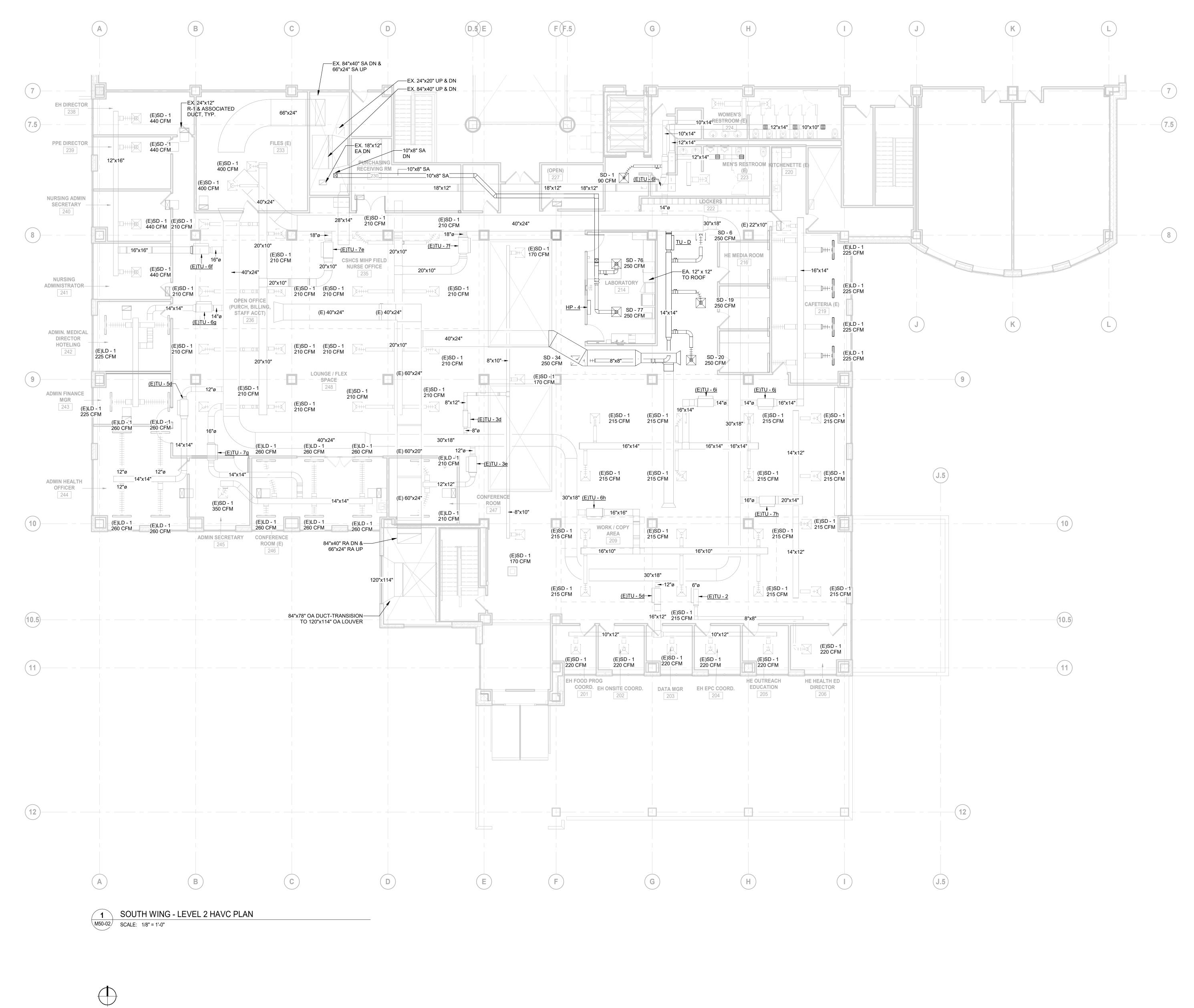
8. COORDINATE WITH ARCHITECTURAL AND PROVIDE ACCESS DOORS IN GYMSUM BOARD CEILING AREAS FOR ACCESS TO TERMIAL UNITS, BALANCING DAMPERS, TERMINAL UNIT HEATING COIL PIPING, SMOKE DETECTORS, ETC.

## SHEET KEYED NOTES

- $\langle 1 \rangle$  EX. 84"x40" SA DN & 66"x24" SA UP.
- (2) EX. 24"x20" UP & DN.
- (3) EX. 84"x40" UP & DN.
- 〈 4 〉 EX. 18"x12" EA UP.  $\langle 5 \rangle$  NEW 14"x24" SA & RA UP TO NEW AHU- ON ROOF.
- 6 > EX. 24"x12" RETURN GRILLE & ASSOCIATED DUCT, TYP.
- (7) EX. 84"x40" RA DN & 66"x24" RA UP.
- 8 EX. 84"x36" OA DUCT-TRANSISION TO 120"x72" OA LOUVER.
- $\langle 9 \rangle$  EX. 36"x24" OA DUCT-TRANSISION TO 72"x72" OA LOUVER-BLANK-OFF & INSULATE UNUSED PORTION OF LOUVER.
- $\langle 10 \rangle$  UP TO EX. EF-4 ON ROOF.  $\langle 11 \rangle$  EX. 24"x12" RETURN AIR GRILE & ASSOCIATED DUCT TO
- REMAIN IN PLACE.  $\langle 12 \rangle$  NEW 24x12" RETURN AIR EGGCRATE GRILLE & ASSOCIATED "L" TYPE AIR TRANSFER DUCT C/W 1" ACOUSTIC LINER.







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#### **GENERAL NOTES FOR NEW HVAC WORK** 1. THIS DRAWING IS DIAGRAMMATIC & INDICATED THE GENERAL EXTENT OF THE WORK. THE CONTRACTOR SHALL

BE RESPONSIBLE FOR THE COORDINATION AND PROPER INSTALLATION OF ALL MECHANICAL SYSTEM. CONTRACTOR SHALL PROVIDE ALL NECESSARY OFFSETS, FITTINGS, WHICH ARE REQUIRED DUE TO SPACE CONSTRAINTS. 2. THE CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS

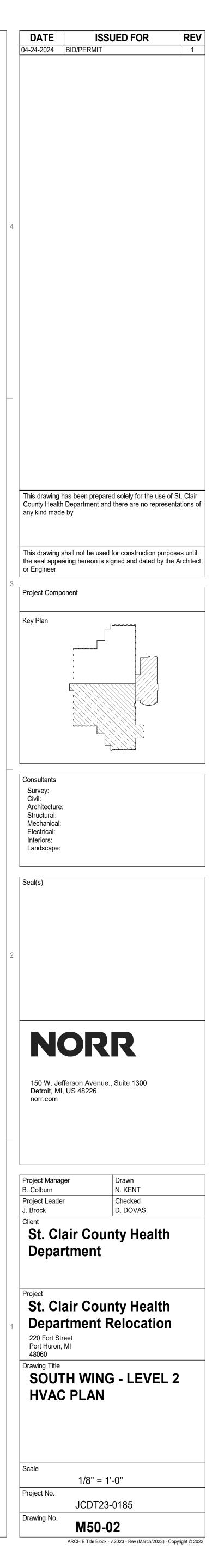
SUPPORTING STEEL, ETC. FOR THE PROPER INSTALLATION OF ALL MECHANICAL SYSTEMS. 3. CORODINATE FLOOR, WALL AND ROOF PENETRATIONS,

ETC. WITH ARCHITECTURAL TRADES IF ANY. 4. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF DUCTWORK AND EQUIPMENT WITH ALL OTHER TRADES.

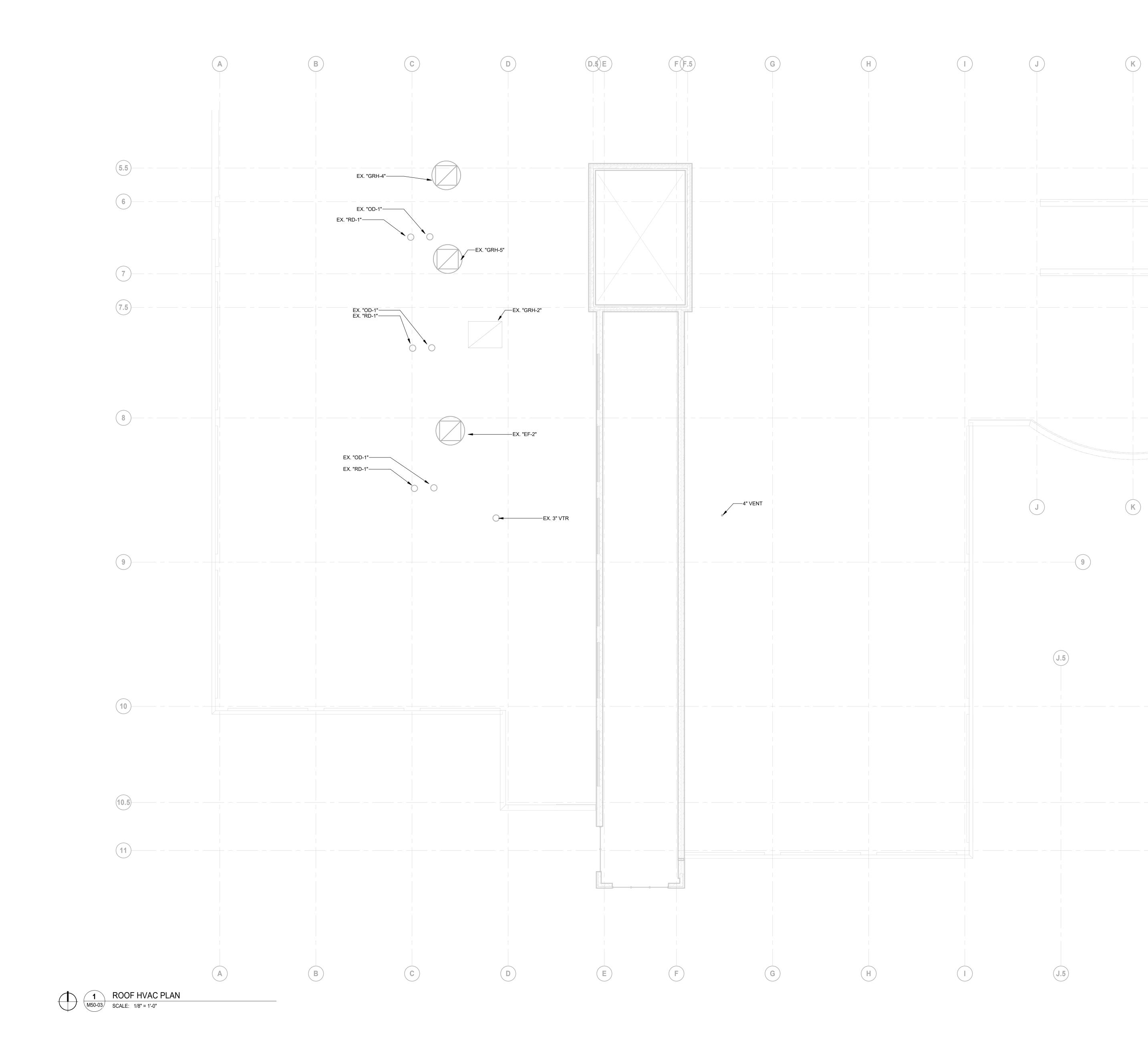
5. BRANCH DUCTWOKR TO TERMIANL BOXES SHALL BE BOX INLET SIZE AS NOTED IN RELEVANT MECHANICAL SCHEDULE.6. CONTRACTOR SHALL MOUNT ANY THERMOSTATS/DIGITAL

TEMPERATURE SENSORS 48" A.F.F. 7. CONTRACTOR SHALL COORDINATE WITH ARCHITECTURAL REFELECTED CEILING PLANS FOR GRILLE, REGISTER AND DIFFUSERS LOCATIONS.

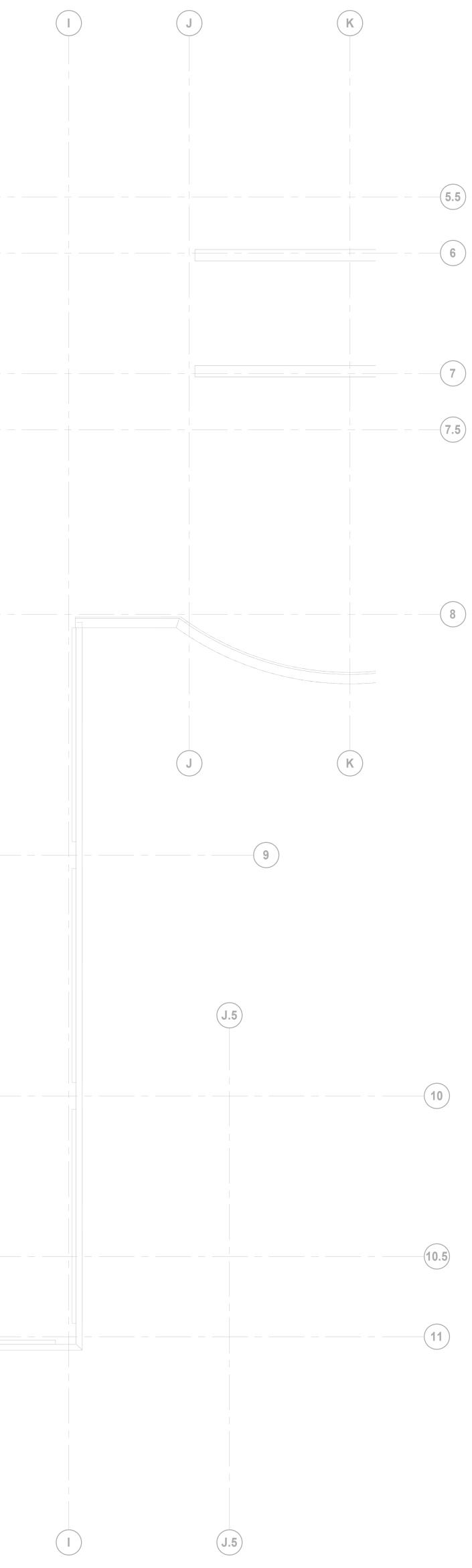
8. COORDINATE WITH ARCHITECTURAL AND PROVIDE ACCESS DOORS IN GYMSUM BOARD CEILING AREAS FOR ACCESS TO TERMIAL UNITS, BALANCING DAMPERS, TERMINAL UNIT HEATING COIL PIPING, SMOKE DETECTORS, ETC.





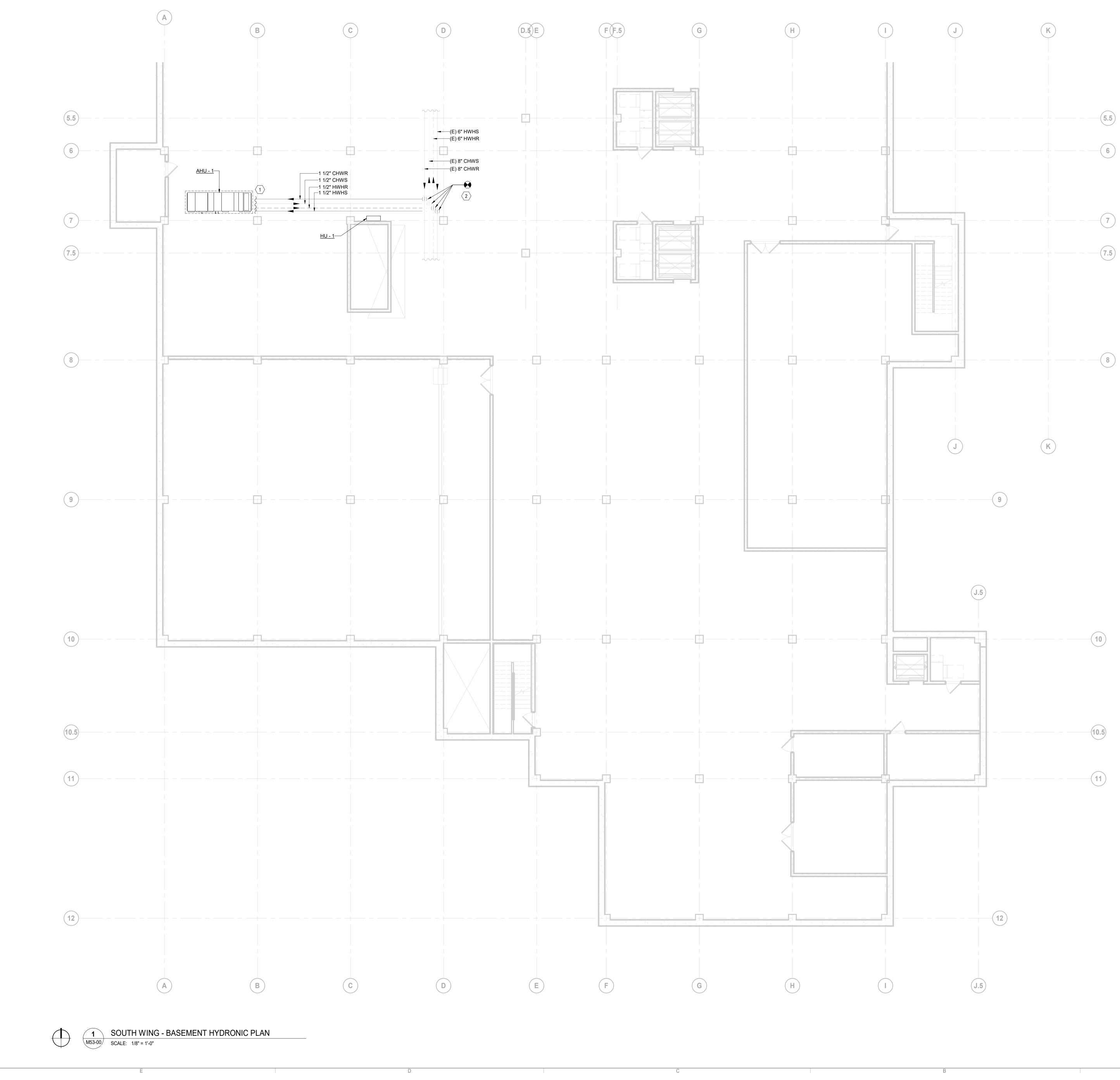


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**ISSUED FOR** DATE REV 04-24-2024 BID/PERMIT 1 This drawing has been prepared solely for the use of St. Clair County Health Department and there are no representations of any kind made by This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer Project Component Key Plan \_\_\_\_ Consultants Survey: Civil: Architecture: Structural: Mechanical: Electrical: Interiors: Landscape: Seal(s) NORR 150 W. Jefferson Avenue., Suite 1300 Detroit, MI, US 48226 norr.com Project Manager B. Colburn Drawn F. PAN Checked D. DOVAS Project Leader J. Brock Client St. Clair County Health Department Project
St. Clair County Health
Department Relocation
220 Fort Street
Port Huron, MI
48060
Drawing Title
SOUTH WING - ROOF HVAC PLAN Scale 1/8" = 1'-0" Project No. JCDT23-0185 Drawing No. M50-03 ARCH E Title Block - v.2023 - Rev (March/2023) - Copyright © 2023



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## GENERAL NOTES FOR NEW HYDRONIC PIPING WORK

 THIS DRAWING IS DIAGRAMMATIC & INDICATED THE GENERAL EXTENT OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION AND PROPER INSTALLATION OF ALL MECHANICAL SYSTEM.
 CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PIPING AND EQUIPMENT WITH ALL OTHER TRADES.
 BRANCH PIPING SERVING ANY TERMINAL UNIT REHEAT COILS SHALL BE 3/4" UNLESS NOTED OTHERWISE.

4. CONTRACTOR SHALL MOUNT ANY THERMOSTATS/DIGITAL TEMPERATURE SENSORS 48" A.F.F.
5. CONTRACTOR SHALL PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR SUPPORTS, ANCHORS, AND GUIDES.

6. FOR NEW EQUIPMENT VALVING, COMPONENT, AND PIPING ARRANGEMENT, REFER TO DETAILS AND PIPING DIAGRAMS.
7. PROVIDE REQUIRED CLEARANCE IN FRONT OF ELECTRICAL EQUIPMENT, WHERE PIPING PASSING OVER ELECTRICAL CABLE TRAY OR PANELS, PROVIDE DRIP PAN SHIELD.

8. ALL EXISTING PERIMETER RADIANT WATER HEATING CEILING PANELS IN & ASSOCIATED PIPING, VALVES AND CONTROLS TO REMAIN IN PLACE INTACT.

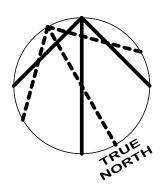
9. ALL EXISTING ENTRANCE WATER HEATING UNITS & ASSOCIATED PIPING, VALVES & CONTROLS TO REMAIN IN PLACE INTACTTO REMAIN, INCLUDING FINNED TUBE RADIATION UNITS, CONVECTOR UNITS, CABINET UNIT HEAERS AND UNIT HEATERS.

10. UPON RELOCATION OF EXISTING VAV BOX, ITS ASSOCIATED REHEAT COIL, HEATING WATER SUPPLY & RETURN PI[PING, VALVES & CONTROLS TO BE RELOCAED AND REOUTED AS WELL TO SUIT THE NEW APPLICATION.

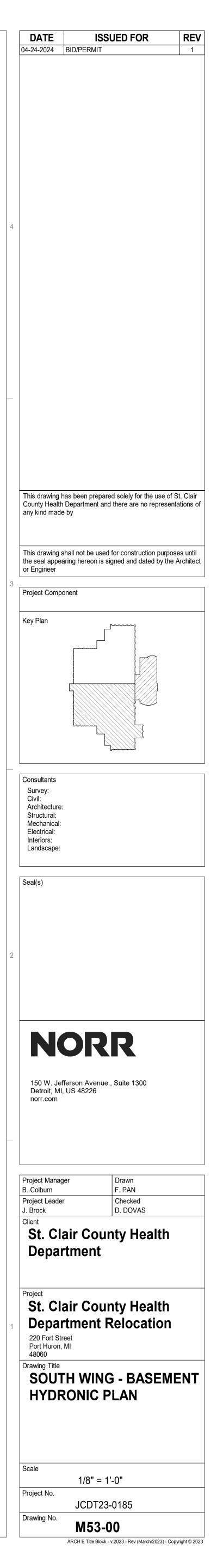
## SHEET KEYED NOTES

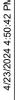
(1) TO CONNECT NEW 1-1/2" CHILLED WATER SUPPLY/RETUN AND HEATING WATER SUPPLY/RETUN PIPING TO NEW AHU-1. PROVIDE 2-WAY FLOW CONTROL VALVE ON WATER SUPPLY SIDE.

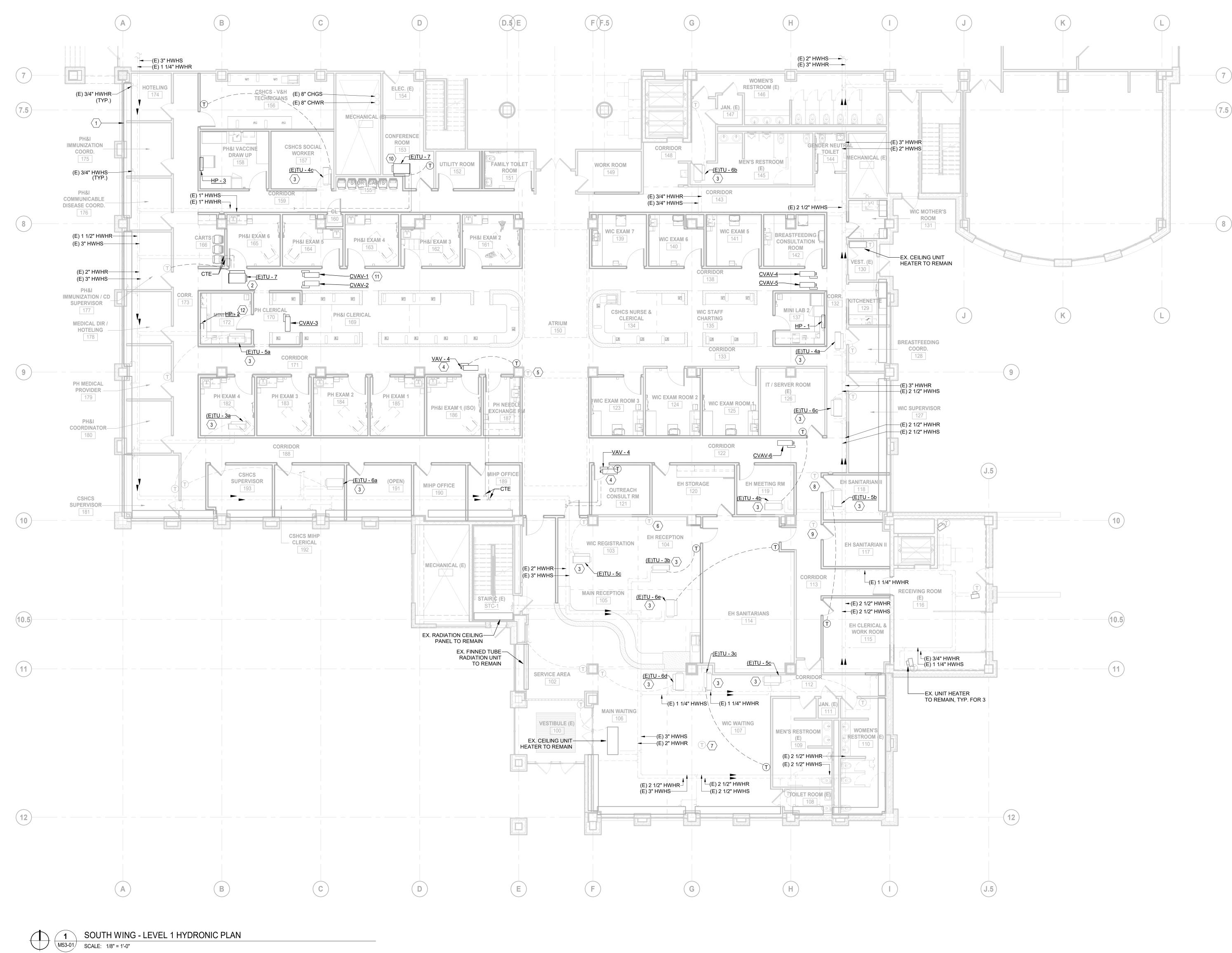
2 TO TAKE NEW 1-1/2" BRANCHES FOR CHILLED WATER SUPPLY/RETUN AND HEATING WATER SUPPLY/RETUN PIPING TO SERVE NEW AHU-1. ALL NEW DUCTWORKS & PIPING SERVING "AHU-1" TO BE ROUTED CLEAR OF ANY EXISTING DUCTS, PIPING & OBSTRUCTIONS, ETC, AT BASEMENT LEVEL EVEN IF NOT BEING SHOWN . CONTRACTOR TO VERIFY ON SITE, TYPICALLY.



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**GENERAL NOTES FOR NEW HYDRONIC PIPING WORK** 

1. THIS DRAWING IS DIAGRAMMATIC & INDICATED THE GENERAL EXTENT OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION AND PROPER INSTALLATION OF ALL MECHANICAL SYSTEM.

2. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PIPING AND EQUIPMENT WITH ALL OTHER TRADES. 3. BRANCH PIPING SERVING ANY TERMINAL UNIT REHEAT COILS SHALL BE 3/4" UNLESS NOTED OTHERWISE.

4. CONTRACTOR SHALL MOUNT ANY THERMOSTATS/DIGITAL TEMPERATURE SENSORS 48" A.F.F.

5. CONTRACTOR SHALL PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR SUPPORTS, ANCHORS, AND GUIDES. 6. FOR NEW EQUIPMENT VALVING, COMPONENT, AND PIPING ARRANGEMENT, REFER TO DETAILS AND PIPING DIAGRAMS.

7. PROVIDE REQUIRED CLEARANCE IN FRONT OF ELECTRICAL EQUIPMENT, WHERE PIPING PASSING OVER ELECTRICAL CABLE TRAY OR PANELS, PROVIDE DRIP PAN SHIELD.

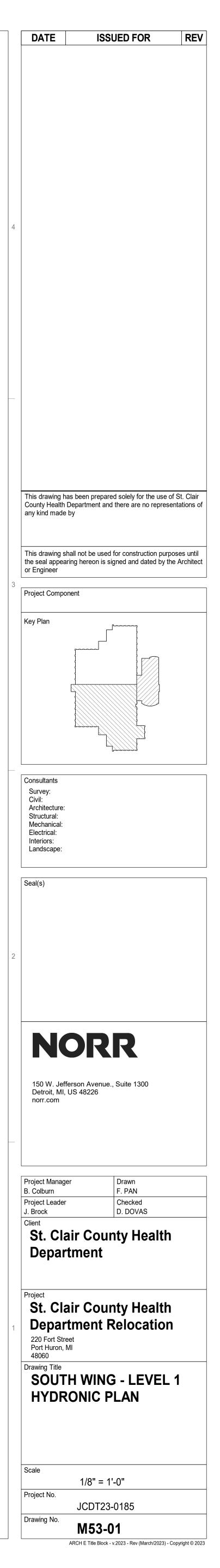
8. ALL EXISTING PERIMETER RADIANT WATER HEATING CEILING PANELS IN & ASSOCIATED PIPING, VALVES AND CONTROLS TO REMAIN IN PLACE INTACT.

9. ALL EXISTING ENTRANCE WATER HEATING UNITS & ASSOCIATED PIPING, VALVES & CONTROLS TO REMAIN IN PLACE INTACTTO REMAIN, INCLUDING FINNED TUBE RADIATION UNITS, CONVECTOR UNITS, CABINET UNIT HEAERS AND UNIT HEATERS.

10. UPON RELOCATION OF EXISTING VAV BOX, ITS ASSOCIATED REHEAT COIL, HEATING WATER SUPPLY & RETURN PI[PING, VALVES & CONTROLS TO BE RELOCAED AND REOUTED AS WELL TO SUIT THE NEW APPLICATION.

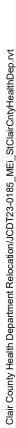
# SHEET KEYED NOTES

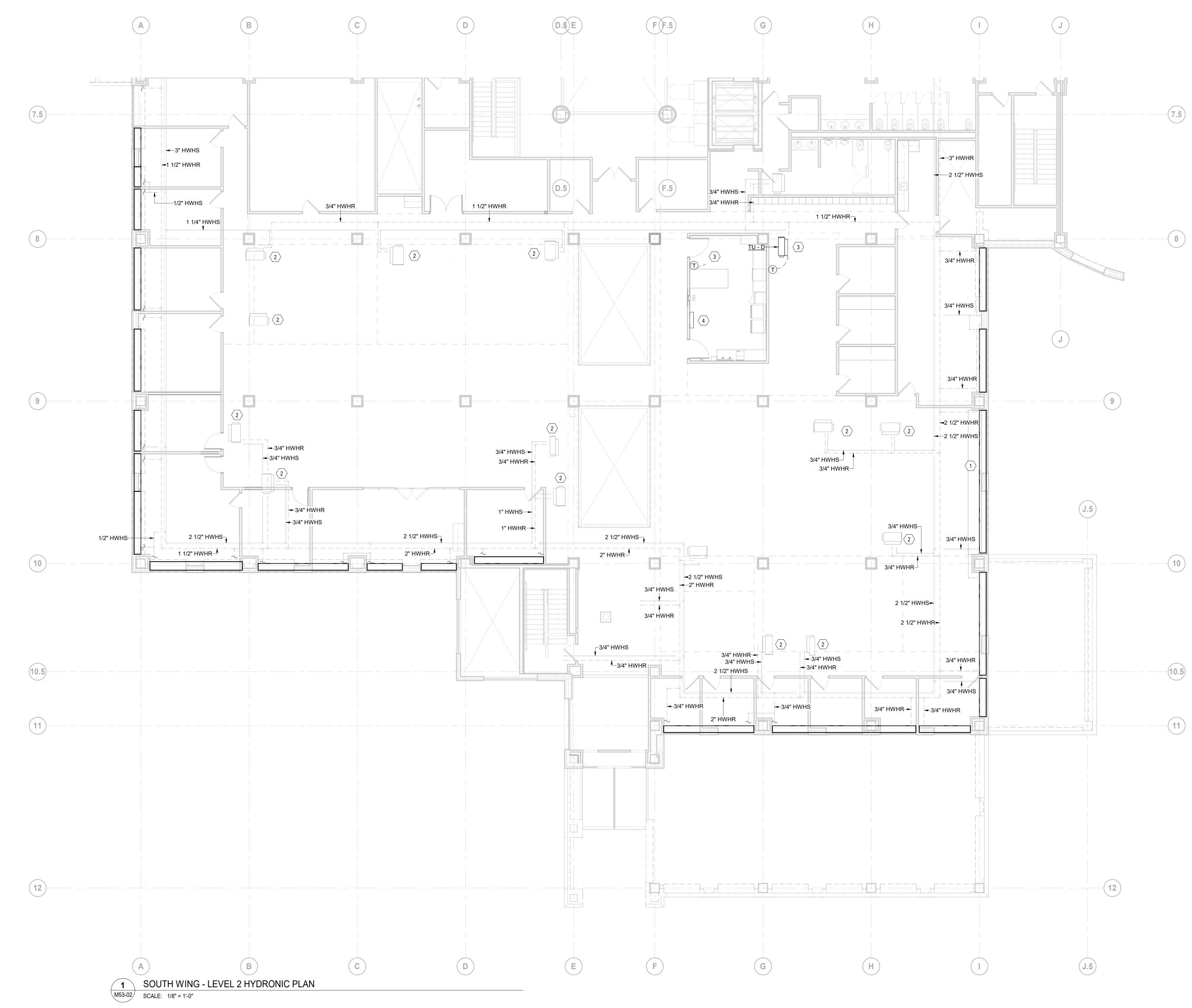
- (1) EXISTING PERIMETER WATER HEATING RADIANT CEILING PANEL TO REMAIN IN PLACE, TYP.
- $\langle 2 \rangle$  RELOCATED EXISTING VAV BOX "TU-7" AT APPROXIMATE LOCATION. PROVIDE NEW 3/4" WATER PIPING & CONTROL WIRING AS INDICATED.
- $\langle 3 \rangle$  EXISTING VAV BOX W/ ASSOCIATED WATER HEATING REHEAT COIL TO REMAIN IN PLACE.
- $\langle 4 \rangle$  PROVIDE PIPING, THERMOSTAT & CONTROL AS INDICATED FOR NEW VAV BOX W/ WATER HEATING REHEAT COIL.
- $\langle 5 \rangle$  EXISTING THERMOSTAT SERVING EXISTING TU-3 TO BE RELOCATED IN NEW ROOM #104 AS INDICATED.
- $\langle 6 \rangle$  EXISTING THERMOSTAT SERVING EXISTING TU-6 TO BE RELOCATED IN NEW ROOM #114 AS INDICATED.
- $\langle 7 \rangle$  EXISTING THERMOSTAT SERVING EXISTING TU-3 TO BE RELOCATED IN NEW ROOM #107 AS INDICATED.
- $\langle 8 \rangle$  EXISTING THERMOSTAT SERVING EXISTING TU-4 TO BE RELOCATED IN NEW ROOM #126 AS INDICATED.
- 9 EXISTING THERMOSTAT SERVING EXISTING TU-5 TO BE RELOCATED IN NEW ROOM #115 AS INDICATED.
- (10) RELOCATED EXISTING VAV BOX "TU-7" AT APPROXIMATE LOCATION. PROVIDE NEW 3/4" WATER PIPING & CONTROL WIRING AS INDICATED.
- $\langle 11 \rangle$  NEW CVAV BOX W/O WATER HEATING, TYP, FOR 6.
- $\langle 12 \rangle$  NEW SPLIT AC INDOOR UNIT, TYP. FOR 3.











## **GENERAL NOTES FOR NEW HYDRONIC** PIPING WORK

1. THIS DRAWING IS DIAGRAMMATIC & INDICATED THE GENERAL EXTENT OF THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION AND PROPER INSTALLATION OF ALL MECHANICAL SYSTEM. 2. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PIPING AND EQUIPMENT WITH ALL OTHER TRADES. 3. BRANCH PIPING SERVING ANY TERMINAL UNIT REHEAT COILS SHALL BE 3/4" UNLESS NOTED OTHERWISE. 4. CONTRACTOR SHALL MOUNT ANY THERMOSTATS/DIGITAL TEMPERATURE SENSORS 48" A.F.F.

5. CONTRACTOR SHALL PROVIDE SUPPLEMENTARY STEEL AS REQUIRED FOR SUPPORTS, ANCHORS, AND GUIDES. 6. FOR NEW EQUIPMENT VALVING, COMPONENT, AND PIPING ARRANGEMENT, REFER TO DETAILS AND PIPING DIAGRAMS.

7. PROVIDE REQUIRED CLEARANCE IN FRONT OF ELECTRICAL EQUIPMENT, WHERE PIPING PASSING OVER ELECTRICAL CABLE TRAY OR PANELS, PROVIDE DRIP PAN SHIELD.

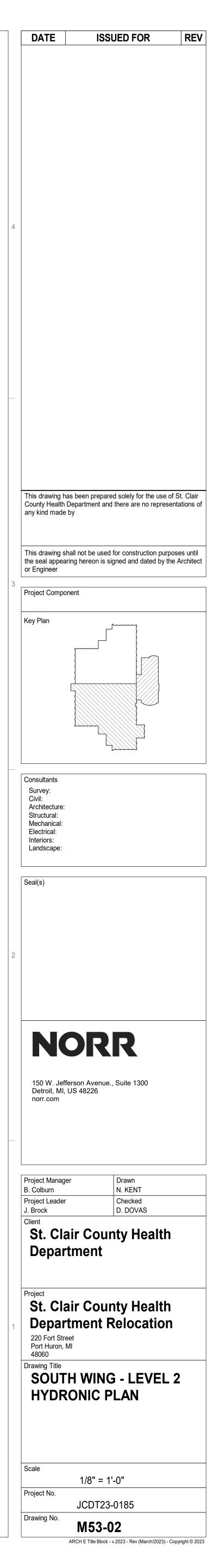
8. ALL EXISTING PERIMETER RADIANT WATER HEATING CEILING PANELS IN & ASSOCIATED PIPING, VALVES AND CONTROLS TO REMAIN IN PLACE INTACT.

9. ALL EXISTING ENTRANCE WATER HEATING UNITS & ASSOCIATED PIPING, VALVES & CONTROLS TO REMAIN IN PLACE INTACTTO REMAIN, INCLUDING FINNED TUBE RADIATION UNITS, CONVECTOR UNITS, CABINET UNIT HEAERS AND UNIT HEATERS.

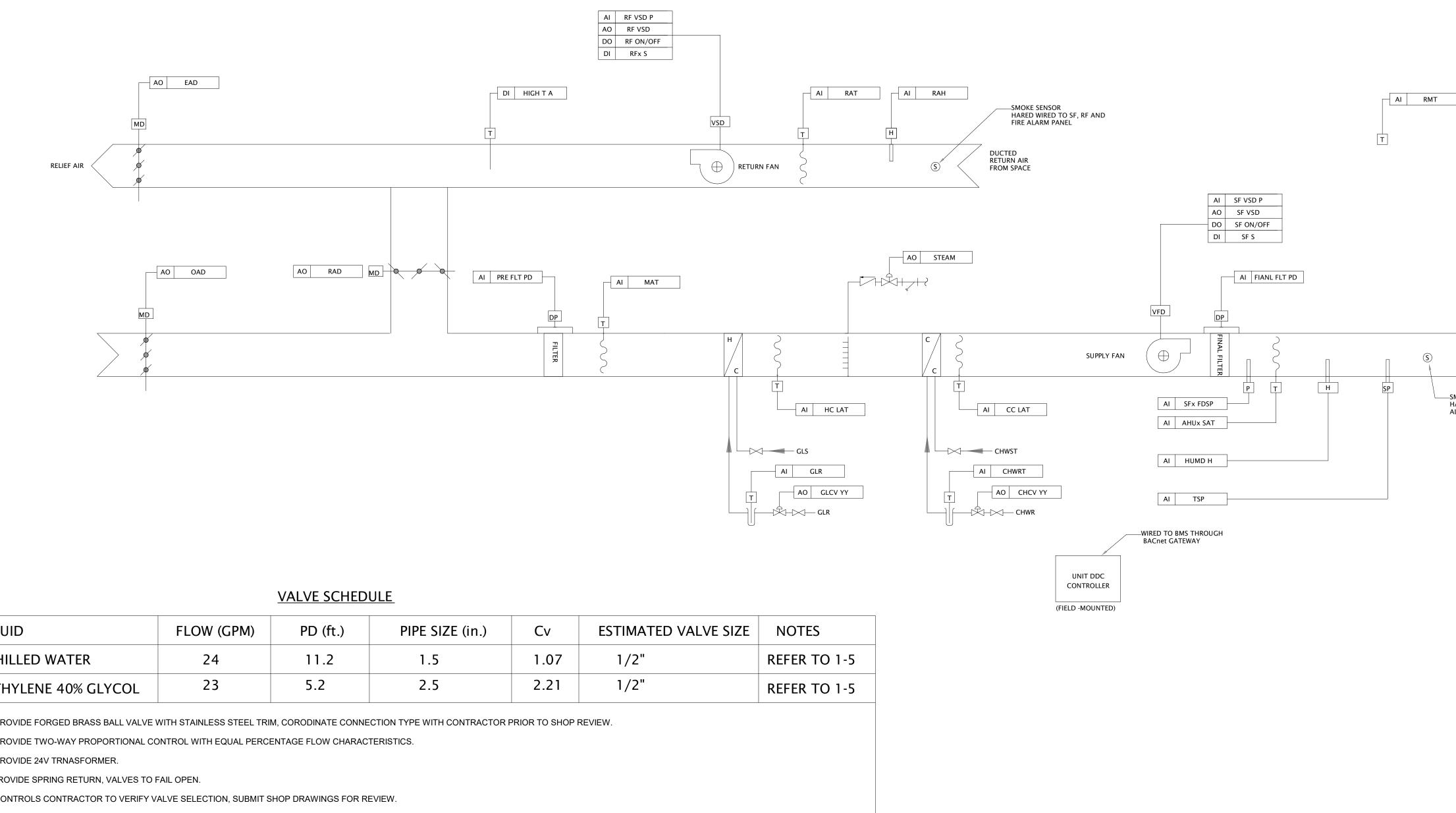
10. UPON RELOCATION OF EXISTING VAV BOX, ITS ASSOCIATED REHEAT COIL, HEATING WATER SUPPLY & RETURN PI[PING, VALVES & CONTROLS TO BE RELOCAED AND REOUTED AS WELL TO SUIT THE NEW APPLICATION.

## SHEET KEYED NOTES

- 1 EXISTING PERIMETER WATER HEATING RADIANT CEILING PANEL TO REMAIN IN PLACE, TYP.
- 2 EXISTING VAV BOX W/ ASSOCIATED WATER HEATING REHEAT COIL TO REMAIN IN PLACE.
- 3 PROVIDE PIPING, THERMOSTAT & CONTROL AS INDICATED FOR NEW VAV BOX W/ WATER HEATING REHEAT COIL.  $\langle 4 \rangle$  NEW SPLIT AC INDOOR UNIT, TYP. FOR 3.







					1
FLUID	FLOW (GPM)	PD (ft.)	PIPE SIZE (in.)	Cv	ESTIM/
CHILLED WATER	24	11.2	1.5	1.07	1/2
ETHYLENE 40% GLYCOL	23	5.2	2.5	2.21	1/2

1. PROVIDE FORGED BRASS BALL VALVE WITH STAINLESS STEEL TRIM, CORODINATE CONNECTION TYPE WITH CONTRACTOR PRIOR TO SHOP REVIEW. 2. PROVIDE TWO-WAY PROPORTIONAL CONTROL WITH EQUAL PERCENTAGE FLOW CHARACTERISTICS

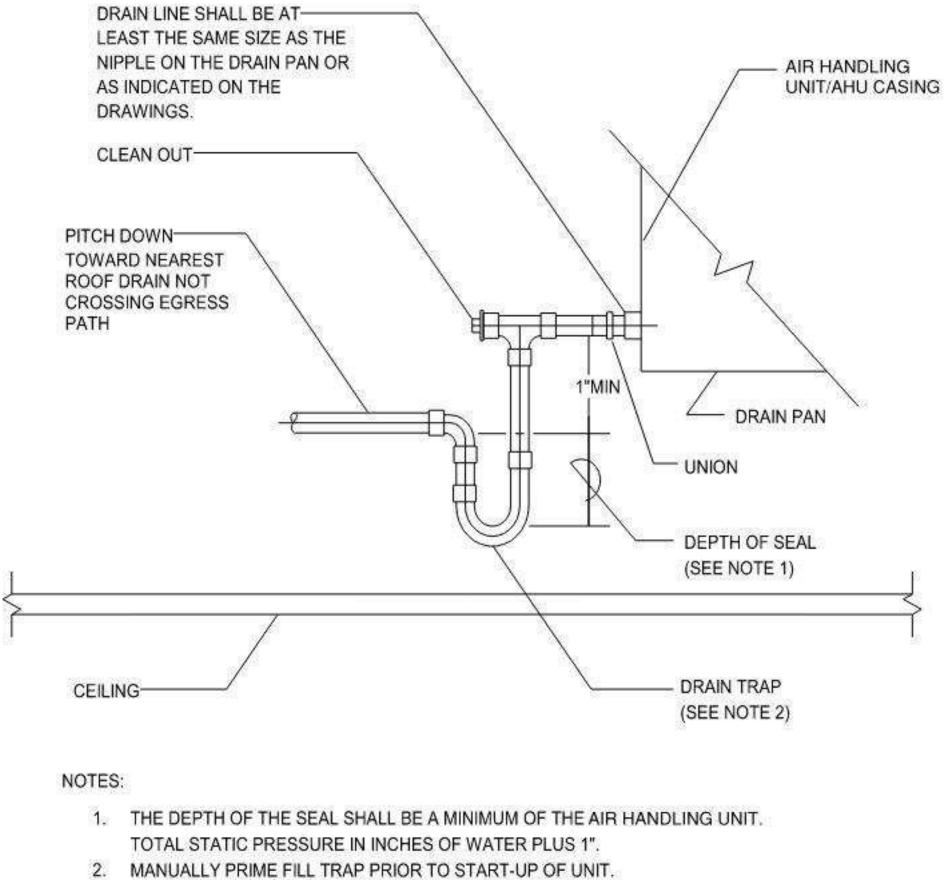
3. PROVIDE 24V TRNASFORMER.

4.PROVIDE SPRING RETURN, VALVES TO FAIL OPEN.

5. CONTROLS CONTRACTOR TO VERIFY VALVE SELECTION, SUBMIT SHOP DRAWINGS FOR REVIEW.

(1) (M60-01/ AHU-1 CONTROL SCALE: NTS

> AS INDICATED ON THE DRAWINGS.



**COOLING COIL DRAIN TRAP DETAIL** 



AIR HANDLER UNIT OPERATION (AHU-1)

1. SYSTEM START: THE START SHALL BE INITIATED BY OPERATOR COMMAND AT THE BAS OR THROUGH TIME SCHEDULE. UPON SIGNAL TO START THE SYSTEM SUPPLY AND RETURN FAN SHALL START. UNIT'S INTERNAL CONTROLS SHALL BE ENABLED. AFTER THE OUTSIDE AIR DAMPER (OAD) COMMAND TO OPEN IS SENT, THE OAD WILL OPEN AND UNIT WILL START WHEN THE OUTSIDE AIR DAMPER END SWITCH (OAD-ES) HAS PROVEN OPEN STATUS, UPON SIGNAL TO START THE SYSTEM RETURN FANS SHALL START WITH THE VARIABLE FREQUENCY DRIVES (VFDS) AT MINIMUM POSITION. THE SUPPLY FANS SHALL BE STARTED WITH A SPECIFIED TIME DELAY WITH THE VFDS AT MINIMUM POSITION.

- NORMAL OPERATION: ii.
- THE SUPPLY FAN AND RETURN FAN SHALL RUN CONTINUOUSLY IN 1 THE OCCUPIED MODE (TO BE COORDINATED WITH THE CLIENT). 2. THE SUPPLY AIR STATIC PRESSURE CONTROL LOOP SHALL MAINTAIN THE SUPPLY AIR STATIC SET POINT BY MODULATING THE SUPPLY FAN VARIABLE SPEED DRIVE. THE STATIC PRESSURE SENSOR SHALL
- BE LOCATED APPROXIMATELY 2/3 OF THE TOTAL SUPPLY FAN RUN. THE CONTROLS CONTRACTOR SHALL COORDINATE WITH THE AIR BALANCING CONTRACTOR TO DETERMINE THE MINIMUM STATIC PRESSURE SET POINT TO MEET THE DESIGN AIRFLOW.
- THE FAN TRACKING CONTROL LOOP SHALL MAINTAIN THE SET-POINT 3. VOLUME BETWEEN THE SUPPLY AIR AND RETURN BY MODULATING THE RETURN FAN VARIABLE SPEED DRIVE. THE CONTROLS CONTRACTOR SHALL COORDINATE WITH THE AIR BALANCING TO MAINTAIN THE FIXED DIFFERENTIAL AIR VOLUME.
- 4. THE OUTSIDE, RELIEF AND RETURN AIR DAMPERS WILL OPERATE IN MINIMUM POSITION AND MODULATE AS REQUIRED TO INTERFACE WITH THE FAN TRACKING CONTROL LOOP. THE MOTORIZED DAMPER FOR EACH SHALL BE INTERLOCKED TO OPEN WHEN THE FAN STARTS. THE END SWITCH SHALL START THE FAN WHEN THE DAMPER PROVES OPEN.
- THE BAS SHALL MONITOR THE SUPPLY AIR TEMPERATURE AND 5. ENABLE AND MODULATE THE COOLING AND HEATING OPERATION AS REQUIRED TO MAINTAIN SPACE TEMPERATURE SET POINT. THE CHILLED WATER AND GLYCOL CONTROL VALVES SHALL MODULATE TO MAINTAIN THE SUPPLY AIR DISCHARGE TEMPERATURE. THE SUMMER OPERATION SAT IS 54F (ADJ.) AND THE WINTER SAT IS 58F (ADJ.).
- SHOULD HIGH STATIC PRESSURE SWITCH LOCATED AFTER THE 6. SUPPLY FAN DETECT SUPPLY PRESSURE HIGHER THAN SET-POINT, THE SYSTEM SHALL BE SHUT DOWN.
- 7. THE HUMIDIFIER SHALL BE ENABLED WHEN THE RETURN AIR SPECIFIC HUMIDITY IS LESS THAN THE SUPPLY AIR SPECIFIC HUMIDITY SET POINT.
- THE OUTSIDE AIR DAMPER SHALL BE SET TO THE MINIMUM POSITION 8. TO ALLOW FOR 40% OF THE SUPPLY AIR TO BE OUTSIDE AIR. THE RELIEF DAMPER SHALL BE SET TO THE MINIMUM POSITION TO ALLOW FOR 21% OF THE RETURN AIR TO BE RELIEVED. THE CONTROLS CONTRACTOR SHALL COORDINATE WITH THE AIR BALANCING CONTRACTOR TO DETERMINE THE MINIMUM DAMPER POSITIONS. SPACE SET POINTS iii.
- OCCUPIED SET POINT: 72F HEATING, 75F COOLING.
- AIR SIDE ECONOMIZER MODE:
- IN ECONOMIZER MODE, THE BAS CONTROLS SHALL MODULATE THE OUTSIDE AIR, RETURN AIR DAMPER, AND EXHAUST AIR DAMPER TO MAINTAIN SET-POINT. THE ECONOMIZER SHALL OPERATE WHEN THE OUTSIDE AIR-DRY BULB TEMPERATURE IS LESS THAN THE SUPPLY AIR SET POINT. UNOCCUPIED MODE:
- ν.
- THE SYSTEM IS SHUT DOWN. THERE ARE NO OFF-HOUR OPERATIONS. THE BAS SHALL DISABLE THE HEATING COILS. vi. SYSTEM STOP:
- THE SYSTEM STOP IS INITIATED BY THE OPERATOR COMMAND AT 1 THE BAS OR THROUGH TIME SCHEDULE. UPON SIGNAL TO STOP THE SYSTEM, THE SUPPLY AND RETURN FANS SHALL STOP. THE OUTSIDE AIR DAMPER SHALL CLOSE. vii. SCHEDULE:
- 1. TO BE DETERMINED BY THE OWNER
- viii. ALARMS:

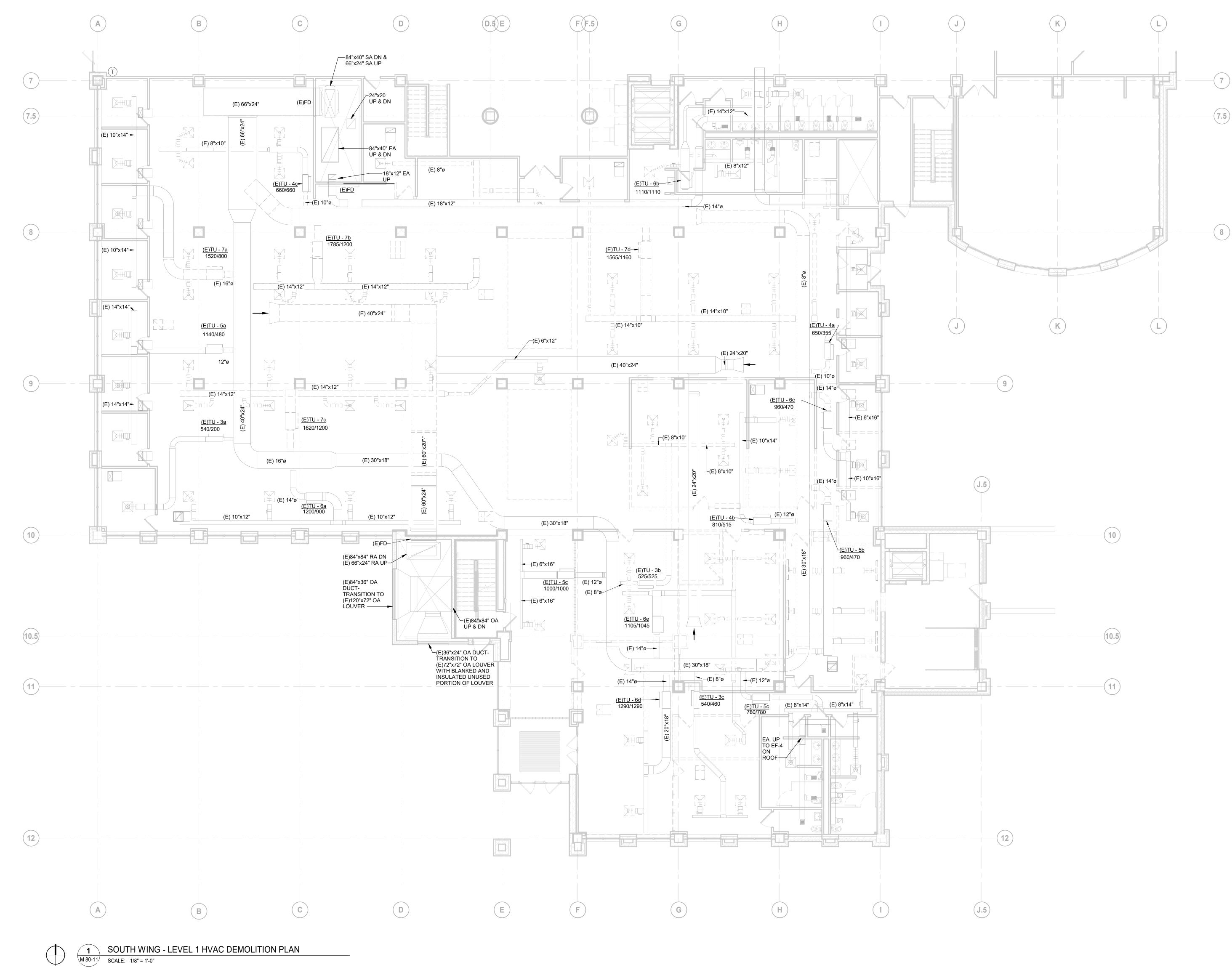
—SMOKE DECTOR BY DIV. 26

ALARM PANEL

HARD WIRED TO SF, RF & FIRE

- SUPPLY FAN FEEDBACK FROM VFD.
- RETURN FAN FEEDBACK FROM VFD. SUPPLY AIR TEMPERATURE OUT OF RANGE.
- FILTER DIFFERENTIAL PRESSURE OUT OF RANGE.
- HIGH TEMPERATURE LIMIT IN SUPPLY TEMPERATURE.
- SUPPLY AND RETURN FAN TO ALARM ON FAILURE TO MATCH COMMAND AS INDICATED IN THE VFD OR DROP IN AMPERAGE TO 70% OF NORMAL DRAW (ADJUSTABLE).

**ISSUED FOR** REV DATE 04-24-2024 BID/PERMIT 1 This drawing has been prepared solely for the use of St. Clair County Health Department and there are no representations of any kind made by This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer Project Component Key Plan ..... Consultants Survey: Civil: Architecture: Structural: Mechanical: Electrical: Interiors: Landscape: Seal(s) NORR 150 W. Jefferson Avenue., Suite 1300 Detroit, MI, US 48226 norr.com Project Manager Drawn F. PAN B. Colburn Project Leader Checked D. DOVAS J. Brock Client St. Clair County Health Department St. Clair County Health **Department Relocation** 220 Fort Street Port Huron, MI 48060 Drawing Title **AHU-1 CONTROL DETAIL** Scale NTS Project No. JCDT23-0185 Drawing No. M60-01 ARCH E Title Block - v.2023 - Rev (March/2023) - Copyright © 2023

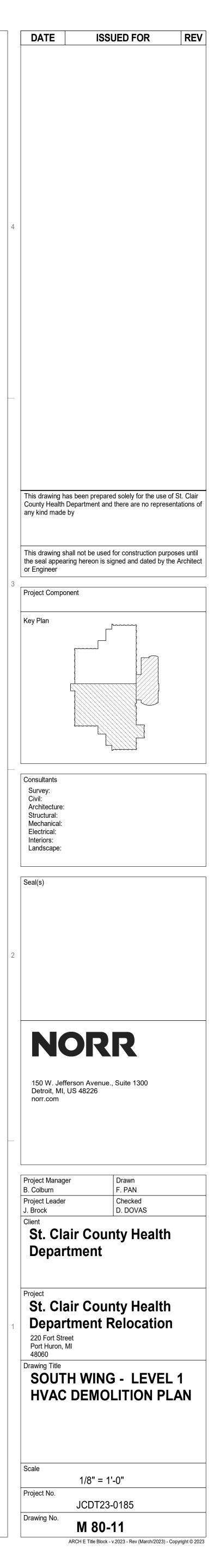


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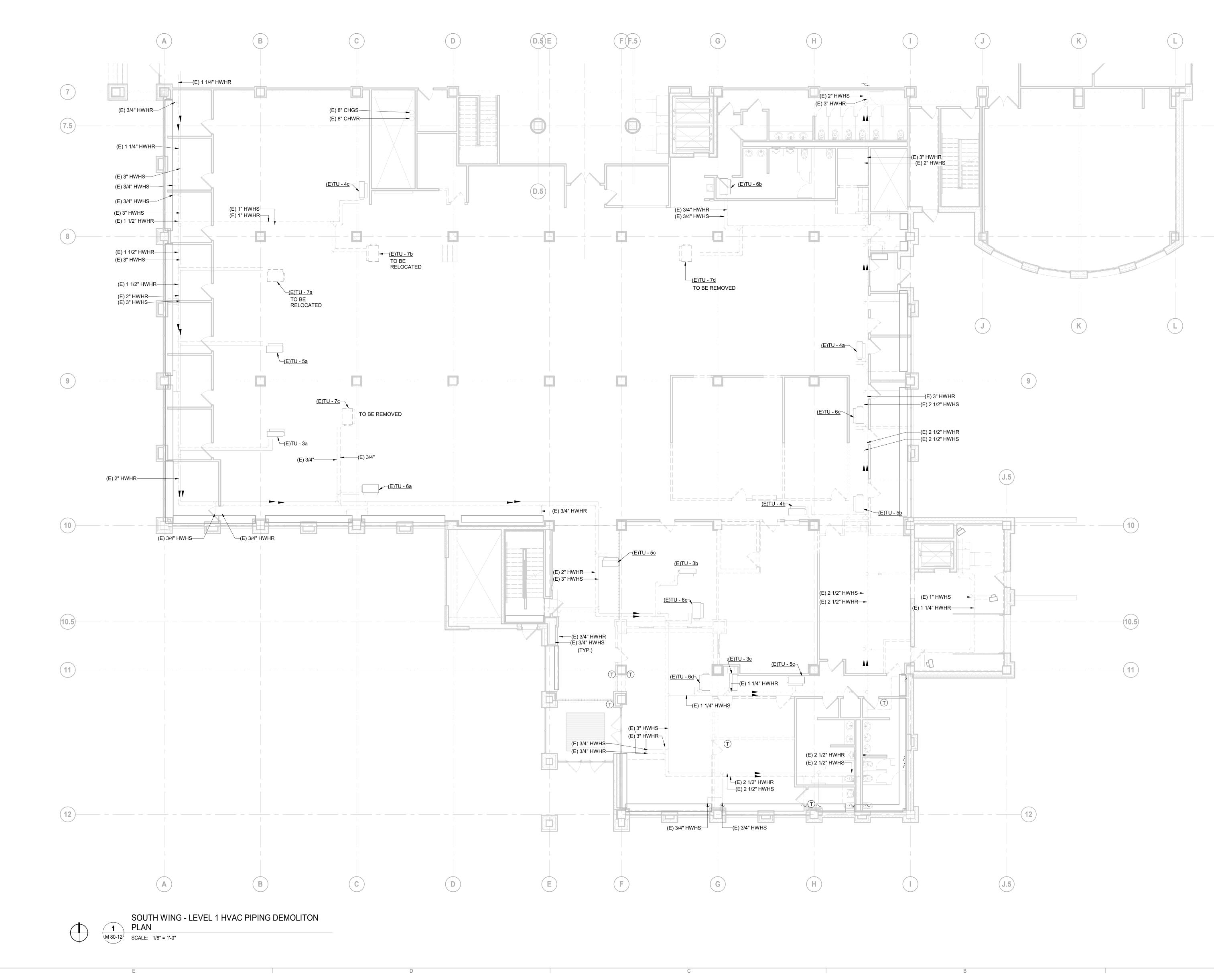
GENERAL DRAWING NOTE:

1. BREAK LINES TO INDICATE THE STUFF TO BE DEMOLISHED. CONTRACTOR TO CLEAN & CHECK REMOVED SQUARE DIFFUSERS, BALANCING DAMPERS & VAV BOXES, AND RE-SUED FOR NEW WORK IF THEY ARE IN GOOD CONDITION.

2. SOLID LINED TO INDICATED THE STUFF TO REMAIN IN PLACE INTACT, TO BE RE-USED FOR NEW WORK.







k Docs://St. Clair County Health Department Relocation/JCDT23-0185 MEi StClairCntyHealthDep.n

GENERAL NOTES FOR HYDRONIC PIPING DEMOLITION WORK: 1. ALL EXISTING PERIMETER RADIANT HEATING PANELS & ASSOCIATED PIPING & CONTROLS TO REMAIN IN PLACE INTACT.

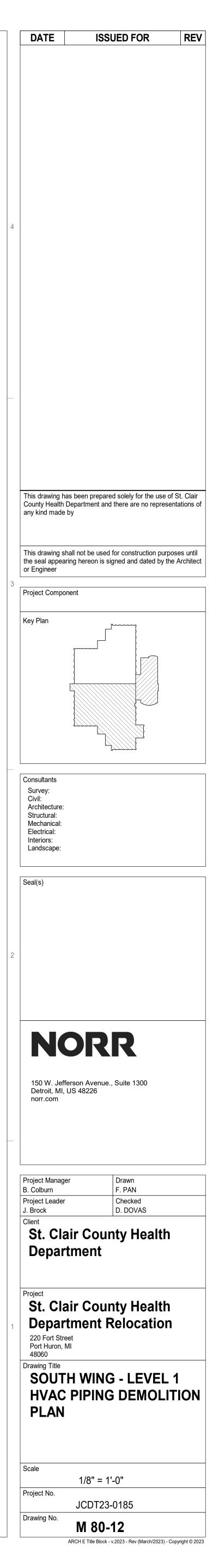
 HEATING WATER SUPPLY & RETURN PI[PING SERVING RHEAT COIL AT EXISTING VAV BOX TO BE RELOCATED TO SUIT THE NEW LOCATION OF RE-USED VAV BOX IF APPLIED.
 ALL EXISTING ENTRANCE HEATING UNITS & ASSOCIATED PIPING TO REMAIN.

4. REMOVE HYDRONIC PIPING & ASSOCIATED ACCESSORIES AND CAP FOR ANY DEMOLISHED REHEAT COIL SERVING DEDICATED EXISTING VAV BOX.

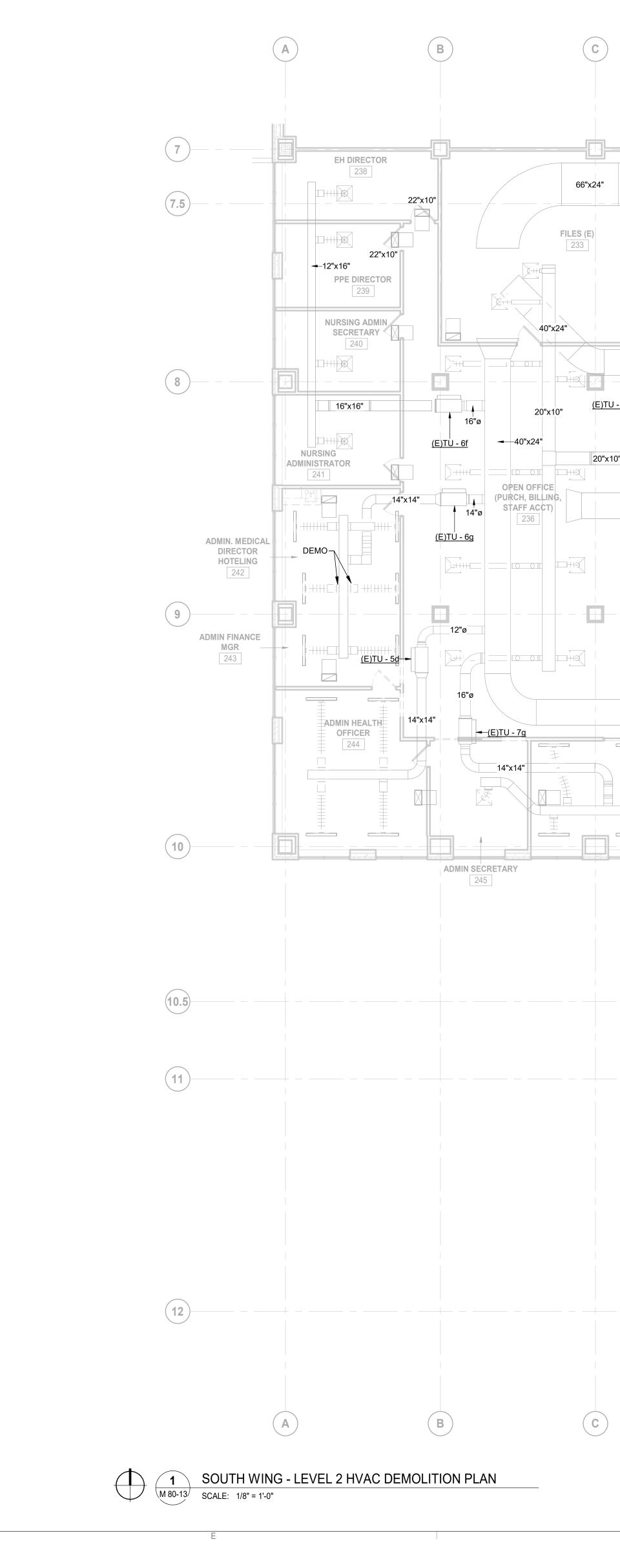
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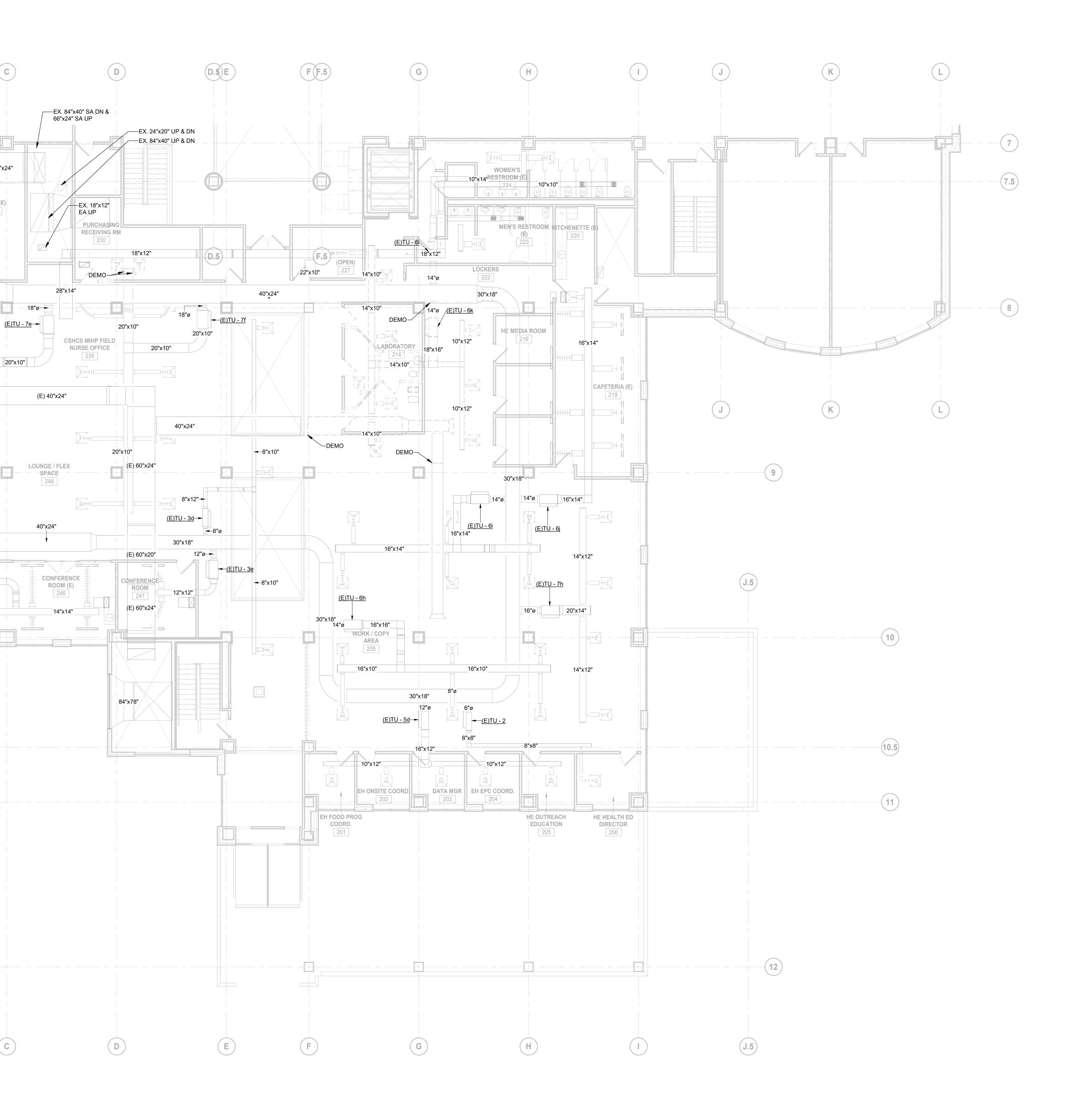
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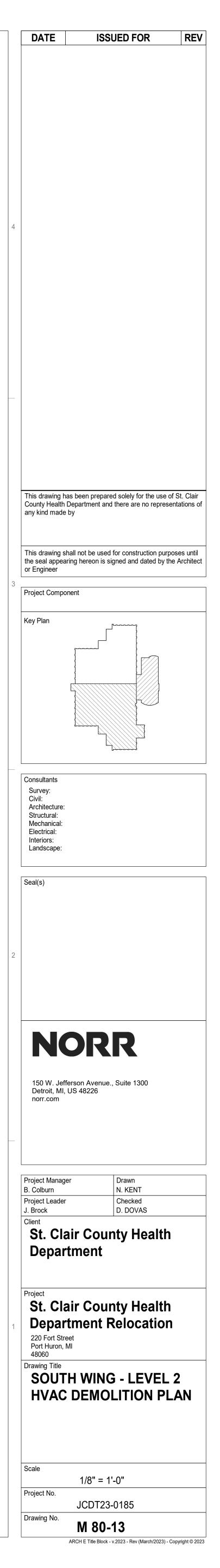




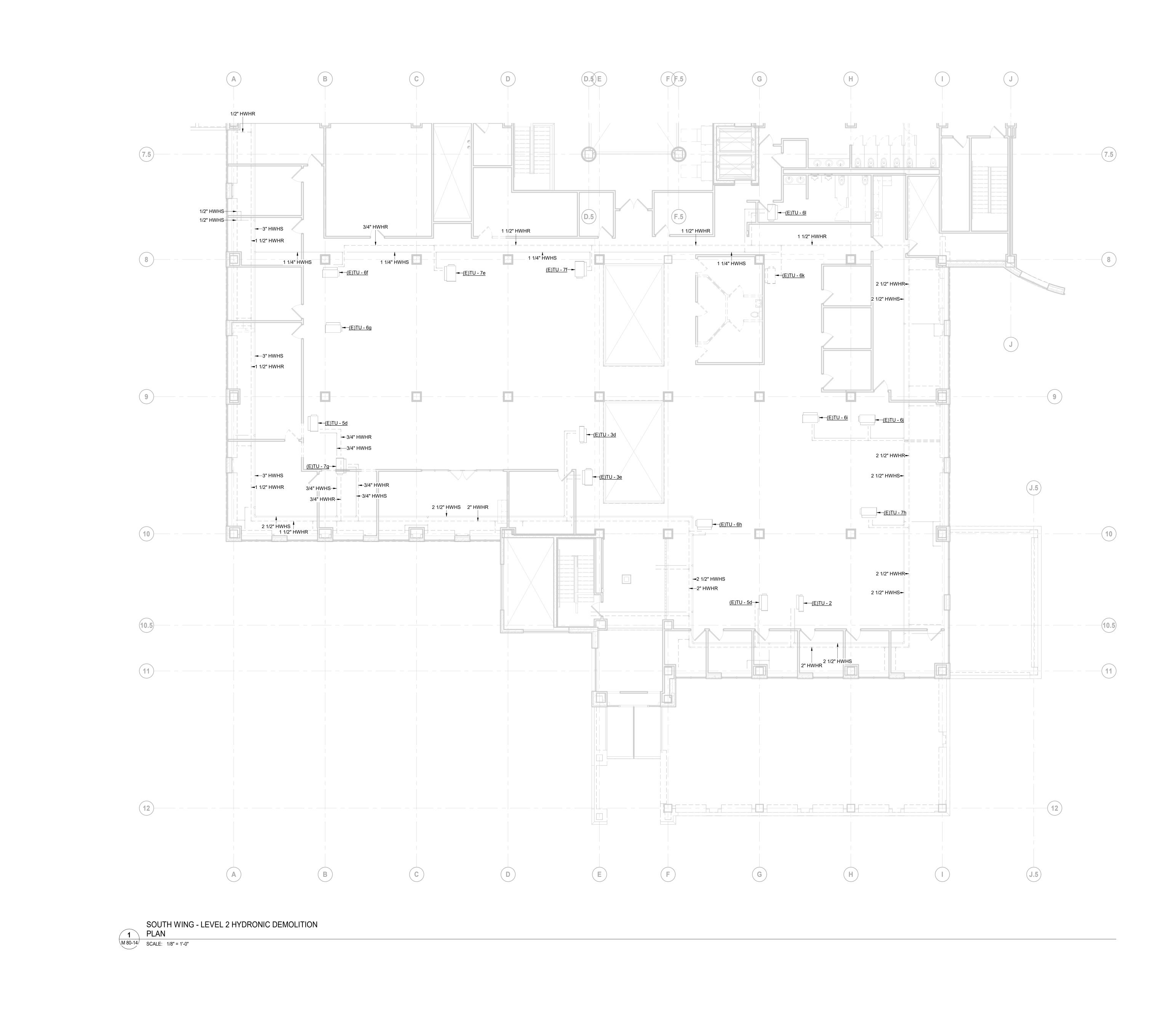


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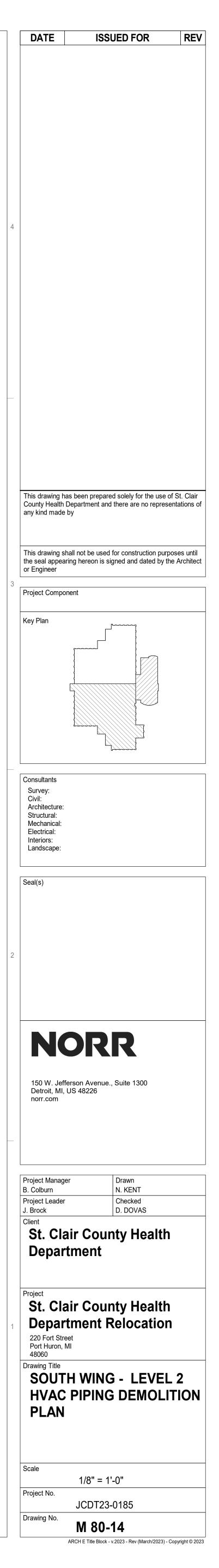








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APPLICABLE PLUMBING CODE IS THE 2018 NATIONAL STANDARD PLUMBING CODE. CONFORM TO APPLICABLE BUILDING CODES AND THE OWNER'S INSURANCE AGENCY. PROCURE ALL LICENSES, PERMITS, CERTIFICATIONS, AND AGENCY APPROVALS PRIOR TO COMMENCING FABRICATION OR INSTALLATION. PROVIDE ALL REQUIRED DOCUMENTS, CALCULATIONS AND DRAWINGS.

- 4. PLUMBING SYSTEMS SHALL NOT BE LOCATED IN ELEVATOR SHAFTS AND ELEVATOR PIT ROOMS EXCEPT FLOOR DRAINS, SUMP PUMPS AND SUMP PUMP DISCHARGE PIPING DEDICATED TO THE SHAFT AND LOCATED AT THE BASE
- OF THE SHAFT PLUMBING SYSTEMS SHALL NOT BE LOCATED IN ELECTRICAL EQUIPMENT ROOMS, TRANSFORMER VAULT, ELECTRICAL CLOSETS, TELE DATA ROOMS OR SIMILAR AREAS CONTAINING ELECTRICAL EQUIPMENT
- DO NOT INSTALL PIPING OVER, AROUND, IN FRONT OF, BEHIND OR DIRECTLY BELOW ELECTRICAL EQUIPMENT, SWITCHES, TERMINALS OR SIMILAR ELECTRICAL EQUIPMENT. MAINTAIN 42" IN FRONT OF 480VAC EQUIPMENT. 36" IN FRONT OF 240VAC EQUIPMENT. CONFORM TO NEC. NO PLUMBING SYSTEMS SHALL PENETRATE INTO OR PASS THROUGH STAIRWAYS UNLESS IT IS FOR SERVICING THE
- STAIRWAY. INSTALL PIPING IN A CONCEALED MANNER, STRAIGHT, AND PLUMB FORM RIGHT ANGLES PARALLEL WITH BUILDING WALLS. LOCATE GROUPS OF PIPES PARALLEL TO EACH OTHER. PIPE WILL BE LOCATED TO PERMIT ACCESS FOR
- SERVICE VALVES. 9. CONCRETE PADS AND PITS FOR PLUMBING EQUIPMENT SHALL BE AS INDICATED ON THE STRUCTURAL AND ARCHITECTURAL PLANS.
- 10. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY FLOW, STATIC AND RESIDUAL PRESSURE BE PERFORMING A HYDRANT FLOW TEST OF THE EXISTING STREET MAIN AT THE POINT OF NEW CONNECTION OR AS CLOSE AS POSSIBLE.
- 11. COORDINATE PLUMBING SYSTEM SHUT DOWN REQUIREMENTS WITH OWNER. NOTIFY OWNER A MINIMUM OD 48 HOURS PRIOR TO SYSTEM SHUT DOWN.
- 12. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES BETWEEN CONSTRUCTION DOCUMENTS AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- 13. ONLY CAST IRON PIPING FOR SANITARY AND VENTING SHALL BE INSTALLED IN PLENUM SPACES. THE PLUMBING CONTRACTOR SHALL VERIFY / COORDINATE THE EXACT PLENUM SPACES WITH THE HVAC PLANS AND CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- 14. CHECK ARCH, ELEC, MECHANICAL, & FP DRAWINGS FOR WORK SHOWN TO BE DONE BY PC.
- 15. COORDINATE PLUMBING WORK WITH OTHER DISCIPLINES, SEE SPECIFICATIONS FOR INFORMATION REGARDING COORDINATION DRAWINGS. PROVIDE DEDUCTIONS FOR ANY OWNER AGREED REDUCTIONS IN PIPING RUNS. COORDINATE ROUGH-IN INFORMATION WITH FIXTURES AND EQUIPMENT SUPPLIERS. COORDINATE PLUMBING FIXTURE LOCATIONS WITH ARCHITECTURAL PLANS.
- 16. COORDINATE ALL BELOW GRADE PLUMBING PIPING WITH FOUNDATION ELEVATIONS AND SITE UTILITY INVERTS. VERIFY EXISTING ELEVATIONS AND INVERTS PRIOR TO CONSTRUCTION.
- 17. PROVIDE PIPING PENETRATIONS WITH FIRE RATINGS EQUAL TO OR GREATER THAN, THE FIRE RATING OF THE WALL OR FLOOR PENETRATED. COORDINATE PIPE PENETRATIONS WITH CONCRETE CONSTRUCTION. PROVIDE CORE DRILLED PENETRATIONS AT ALL LOCATIONS WHERE CONCRETE OR MASONRY WALLS OR FLOORS HAVE BEEN CONSTRUCTED PRIOR TO PLUMBING PIPING INSTALLATION. CORING SIZES AND LOCATIONS SHALL BE APPROVED BY THE ARCHITECT/ENGINEER. EXTEND SLEEVES 2" ABOVE FLOOR SLAB IN ALL WET AREAS SUCH AS MECHANICAL ROOMS AND WASH AREA.
- 18. PROVIDE FLUSH TYPE ACCESS DOORS OR PANELS FOR ALL VALVES OR APPARATUS LOCATED IN CHASES, WALLS, NON ACCESSIBLE CEILINGS OR FLOOR.
- 19. PROVIDE CLEANOUTS FOR ALL HORIZONTAL SANITARY PIPING AT EVERY CHANGE IN DIRECTION AND AT THE BASE OF ALL STACKS.
- 20. PROVIDE PIPE IDENTIFICATION LABELS WITH DIRECTIONAL FLOW ARROWS ON ALL HORIZONTAL RUNS EVERY 20ft.
- 21. PROVIDE TRAP PRIMERS WITH 1/2" PIPING FOR ALL FLOOR DRAINS.
- 22. SUPPORT ALL PIPING IN CONFORMANCE WITH SPECIFICATIONS AND THE PLUMBING CODE. SEE PLUMBING CODE FOR SPACING REQUIREMENTS. CONFORM TO THE BUILDING CODE AND MSS SP-127 FOR SEISMIC, WIND AND DYNAMIC FORCES
- 23. PROVIDE BACKFLOW PREVENTION DEVICES ON ALL WATER CONNECTIONS TO HVAC EQUIPMENT AND IRRIGATION SYSTEMS
- 24. PROVIDE WATER HAMMER ARRESTORS ON SUPPLY LINES TO FLUSH VALVES, SOLENOID VALVES AND AUTOMATIC VALVES, IN CONFORMANCE WITH PDI AND LOCAL ORDINANCES. INSTALL IN ACCESSIBLE LOCATIONS FOR MAINTENANCE. 25. PROVIDE SHUT-OFF VALVES WITHIN 2ft. OF MAINS ON ALL BRANCH PIPING SERVING PLUMBING FIXTURES, EQUIPMENT OR
- CASEWORK, CONNECT SERVICE BRANCHES TO TOP OF MAINS.
- 26. PROVIDE DRAIN VALVES AND HOSE CONNECTIONS AT ALL LOW POINTS IN SERVICE PIPING SYSTEM. 27. SLOPE ALL PIPING IN CONFORMANCE WITH SPECIFICATIONS AND THE PLUMBING CODE.
- 28. PROVIDE CLOSED CELL MOLDED VINYL INSULATION ON EXPOSED LAVATORY DRAINS AND SUPPLIES FOR HANDICAPPED.
- 29. PROVIDE PIPING MATERIAL IN CONFORMANCE WITH THE SPECIFICATIONS AND THE PLUMBING CODE.
- 30. TEST ALL PLUMBING SYSTEMS IN CONFORMANCE WITH THE SPECIFICATIONS AND THE PLUMBING CODE.
- 31. DISINFECT DOMESTIC WATER SYSTEM IN CONFORMANCE WITH THE SPECIFICATIONS AND. THE PLUMBING CODE
- 32. INSTALL PLUMBING FIXTURES AND EQUIPMENT IN CONFORMANCE WITH MANUFACTURER'S RECOMMENDATIONS AND THE PLUMBING CODE.
- 33. PROVIDE PIPE SLEEVES THROUGH CONCRETE BEAMS WHERE REQUIRED, COORDINATE WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- 34. PROVIDE HEAT TRACING FOR PIPING LOCATED IN UNHEATED AREAS. PROVIDE 1" INSULATION AND JACKET AROUND ALL HEAT TRACING.
- 35. PROVIDE RETENTION STRAPES ON ALL ABOVE & BELOW GROUND CAST IRON NO-HUB FITTINGS AT CHANGE OF DIRECTION IN PIPES OF 5" AND LARGER AS REQUIRED BY CISPI 301.
- 36. THE FIRE PROTECTION CONTRACTOR SHALL REVIEW THE ARCHITECTURAL REFLECTED CEILING, ELEVATION AND SECTION PLANS AS PART OF THIS CONTRACT FOR ADDITIONAL INFORMATION SUCH AS CEILING HEIGHTS, TYPES, SOFFITS AND OR OTHER DEVICE LOCATIONS.
- 37. THE FIRE PROTECTION CONTRACTOR SHALL REVIEW THE ELECTRICAL DIVISION DRAWINGS AND COORDINATE THE FIRE PROTECTION WORK WITH LOCATIONS OF LIGHT, AND CEILING MOUNTED DEVICES WHICH MAY INTERFERE WITH SPRINKLER HEAD LOCATIONS OR SPRAY PATTERNS.
- 38. THE FIRE PROTECTION CONTRACTOR SHALL REVIEW THE HVAC DIVISION DRAWINGS AND COORDINATE THE FIRE PROTECTION WORK WITH LOCATIONS OF CEILING MOUNTED DEVICES SUCH AS DIFFUSERS, GRILLS, REGISTERS, AND ALSO THE LOCATIONS OF HEAT PRODUCING EQUIPMENT AND DUCTWORK REQUIRING SPRINKLER PROTECTION BELOW IT.
- 39. CONTRACTOR SHALL PROVIDE NEW ANGLE STOP VALVES AND SUPPLIES FOR ALL LAVATORY LOCATIONS. CONTRACTOR SHALL PROVIDE NEW ISOLATION VALVES FOR WATER CLOSETS AND SHOWER LOCATIONS TO BE LOCATED ABOVE CEILING.
- 40. CONTRACTOR SHALL FIRE STOP ALL PIPE PENETRATIONS LOCATED IN BATHROOM RATED WALLS.

COLD WATER PIPE — — — —	
HOT WATER PIPE	
HOT WATER RETURN PIPE	·
SANITARY PIPE	
VENT PIPE	
SERVICE SYSTEM PIPE X = SYSTEM ABBR. (E)X = EXISTING SYSTEM G = NATURAL GAS <2PSIG 2G = NATURAL GAS (2PSIG) RWC = RAINWATER / STORM WATER	X
2-WAY VALVE GLOBE VALVE	X
3-WAY VALVE GRADE CLEAN	OUT 🗊
ACCESS PANEL HOSE BIBB	+
AIR ADMITTANCE VALVE   HOT WATER     ANGLE VALVE   N	
BACKFLOW PREVENTER (BALL DOUBLE CHECK)	
BACKFLOW PREVENTER (GATE DBLE CHECK) NEEDLE VALVE PLUG VALVE	
BACKFLOW PREVENTER (RPZ)	
BALANCING VALVE  Ø  PRV	
BALL VALVE (2-PIECE)	
BALL VALVE (3-PIECE)	$(\hat{0}) \bigoplus$
BUTTERFLY VALVE	VE 🕅
CAP ] STRAINER	Η
CHECK VALVE	۲
CLEANOUT - UNION	
FLOOR CLEANOUT    WALL HYDRAN	T T
FLOOR DRAIN 🖸 WHA / SA	Į.
GATE VALVE	

STAN	DARD PL
AAV AD	AIR ADMITTANCE VALVE AREA DRAIN
AFF AFG	ABOVE FINISHED FLOOP ABOVE FINISHED GRAD
ANSI	AMERICAN NATIONAL
APPROX	STANDARDS INSTITUTE APPROXIMATE
	AMERICAN SOCIETY OF
AV	PLUMBING ENGINEERS ACID VENT
AW BAS	ACID WASTE BUILDING AUTOMATION
BFP	BACKFLOW PREVENTER
BT BTU	BATHTUB BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT
BWV	HOUR BACK WATER VALVE
CA CB	COMPRESSED AIR CATCH BASIN
CFH	CUBIC FEET PER HOUR
CFM CI	CUBIC FEET PER MINUT CAST IRON
СО	CLEAN OUT
CO2 CP	CARBON DIOXIDE CIRCULATION PUMP
CW DF	DOMESTIC COLD WATE DRINKING FOUNTAIN
DI	DEIONIZED WATER
DIA DN	DIAMETER DOWN
DS DSN	DOWNSPOUT DOWNSPOUT NOZZLE
EC	ELECTRICAL CONTRACT
ET EWC	EXPANSION TANK ELECTRIC WATER COOL
EWH	ELECTRIC WATER HEAT
EX F	EXISTING FAHRENHEIT
FCO FD	FLOOR CLEAN OUT FLOOR DRAIN
FFE	FINISHED FLOOR ELEVA
FLA FS	FULL LOAD AMPERES
FT FW	FEET FILTERED WATER
G	GAS
GCO GWH	GRADE CLEAN OUT GAS FIRED WATER HEA
GI	<b>GREASE INTERCEPTOR</b>
GPD GPH	GALLONS PER DAY GALLONS PER HOUR
GPM GPR	GALLONS PER MINUTE GAS PRESSURE REGUL
GW	GREASE WASTE
H&CW HB	HOT & COLD WATER HOSE BIBB
HC	HVAC CONTRACTOR
HD HP	HUB DRAIN HORSEPOWER

# PLUMBING ABBREVIATIONS

		DIVENTATION
E VALVE	HW	DOMESTIC HOT WATER
	HWR	HOT WATER RETURN
	IE	INVERT ELEVATION
DFLOOR		
D GRADE	IN WC	INCH WATER COLUMN
IONAL	KW	KILOWATT
STITUTE	KWH	KILOWATT HOUR
	LPG	LIQUID PROPANE GAS
CIETY OF	LV	LAVATORY
SINEERS	MAU	MAKEUP AIR UNIT
	MAX	MAXIMUM
	MBH	1000 BTUH
MATION SYSTEM	MH	MANHOLE
EVENTER	MIN	MINIMUM
	MOCP	MAXIMUM OVERCURRENT
1AL UNIT		PROTECTION
1AL UNIT PER	MS	MOP SINK
	MV	MIXING VALVE
ALVE	N	NITROGEN
AIR	NC	NORMALLY CLOSED
	NIC	NOT IN CONTRACT
RHOUR	NO	NITROUS OXIDE
R MINUTE	NOM	NOMINAL
	NTS	NOT TO SCALE
	0	OXYGEN
DE	OCP	OVER CURRENT PROTECTION
PUMP	OD	OVERFLOW DRAIN
D WATER	0I	OIL INTERCEPTOR
NTAIN	PC	PLUMBING CONTRACTOR
TER	PRV	PRESSURE REGULATING VALVE
IEN		
	PSI	POUNDS PER SQUARE INCH
	RD	ROOF DRAIN
	RH	ROOF HYDRANT
IOZZLE	RO	REVERSE OSMOSIS
ONTRACTOR	RPZ	REDUCED PRESSURE ZONE
NK		VALVE
ER COOLER	RTU	ROOF TOP UNIT
ERHEATER	S	SANITARY
	SI	SOLIDS INTERCEPTOR
	SK	SINK
OUT	SOFT	SOFT WATER
	SPEC	SPECIFICATION
R ELEVATION	SQ FT	SQUARE FOOT (FEET)
PERES	ST	STORM PIPING
	TD	TRENCH DRAIN
	TEMP	TEMPERATURE
ER	TMV	THERMOSTATIC MIXING VALVE
	TP	TRAP PRIMER
OUT	UH	UNIT HEATER
TER HEATER	UR	URINAL
CEPTOR	VAC	VACUUM
DAY	VFD	VARIABLE FREQUENCY DRIVE
HOUR	VP	VACUUM PUMP
MINUTE	VTR	VENT THRU ROOF
E REGULATOR	WAGD	WASTE ANESTHESIA GAS
E	WB	WASHER BOX
ATER	WC	WATER CLOSET
	WCO	WALL CLEAN OUT
CTOR	WH	WALL HYDRANT
	WF	
	YH	YARD HYDRANT

## **GENERAL NOTES**

1. GENERAL NOTES ARE APPLICABLE TO ALL PLUMBING DRAWINGS.

2. PERFORM WORK IN ACCORDANCE WITH THE LATEST EDITIONS. REVISIONS, AMENDMENTS OR SUPPLEMENTS OF APPLICABLE STATUTES, ORDINANCES, CODES OR REGULATIONS OF FEDERAL, STATE AND LOCAL AUTHORITIES HAVING JURISDICTIONS IN EFFECT ON THE DATE BIDS ARE RECEIVED.

3. WHERE APPROVED STANDARDS HAVE BEEN ESTABLISHED BY OSHA, UNDERWRITERS LABORATORIES, AMERICAN CODES, ASA, ASHRAE, AIR, NEC, STATE FIRE INSURANCE REGULATION BODY, NFPA OR OTHERS. THESE STANDARDS SHALL BE FOLLOWED WHETHER OR NOT INDICATED ON THE DRAWINGS AND SPECIFICATIONS.

FIELD VERIFY ALL CONDITIONS

DESIGN DRAWINGS ARE SCHEMATIC. THIS CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING OR AWARD OF CONTRACT TO INSPECT EXISTING FIELD CONDITIONS. THIS CONTRACT SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY FOR FIELD MODIFICATIONS DUE TO EXISTING CONDITIONS.

THE CONTRACTOR SHALL CONTACT THE ARCHITECT, ENGINEER OR OWNER PRIOR TO BIDDING FOR INTERPRETATIONS AND CLARIFICATIONS OF THE DESIGN AND INCLUDE IN HIS BID ALL COSTS TO MEET THE DESIGN INTENT. CLARIFICATIONS MADE BY THE ARCHITECT, ENGINEER OR OWNER AFTER BIDDING WILL BE FINAL AND SHALL BE IMPLEMENTED AT CONTRACTORS COST.

BIDDING CONTRACTORS SHALL HAVE A WORKING KNOWLEDGE OF LOCAL CODES AND ORDINANCES AND SHALL INCLUDE IN THEIR BIDS THE COSTS FOR ALL WORK INSTALLED IN STRICT ACCORDANCE WITH GOVERNING CODES, THE PLANS AND SPECIFICATIONS NOT WITHSTANDING. THE CONTRACTOR SHALL ALERT ARCHITECT, ENGINEER OR OWNER OF ANY APPARENT DISCREPANCIES BETWEEN GOVERNING CODES AND DESIGN INTENT.

	PLUMBING SHEET LIST			
P00-01	COVER SHEET - PLUMBING			
P00-02	PLUMBING SCHEDULES			
P00-03	PLUMBING DETAILS			
P20-00	SOUTH WING - BASEMENT PLUMBING PLAN			
P20-01	SOUTH WING - LEVEL 1 PLUMBING PLAN			
P20-02	SOUTH WING - LEVEL 2 PLUMBING PLAN			
P50-01	DOMESTIC WATER RISER DIAGRAM			
P50-02	SANITARY AND VENT PLUMBING RISER DIAGRAM			

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PLUMBING		IEDULE	
TAG NO.	MANUFACTURER	MODEL NUMBER	
MS-1	FIAT PRODUCTS	MSB 2424	MOP S INTEGI SINK F
SK-1	WILSONAR	AV1513	EXAM MOUN <sup>-</sup> SUPPL TO LFL
SK-2	WILSONAR	BD1630	LABOR DECK I STOP.
WC-1	KOHLER	K-4325	WALL   1.28 GF
LAV-1	GREENWHICH	K-2032-N	RESTR NUMBE SIMILA
CP-1	BELL & GOSSET	XL-20-35	CONDE CIRCU
FD-2	ZURN	1870	HUB D
FD-1	WADE	9013-LF-64-EG8	FLOOR PORCE HUB, T

S	SUPPLY FIXTURE UNITS				
TAG NO.	QUANTITY	RATE (GPM)	TOTAL GPM		
MS-1	1	3	3		
SK-1	21	1.75	36.75		
SK-2	3	1.75	5.25		
WC-1	2	25	50		
LAV-1	2	0.24	0.48		
FD-1	2	0	0		
TOTAL			95.48		

DRAINAGE FIXTURE UNITS				
TAG NO.	QUANTITY	FIXTURE UNIT RATE	TOTAL DFU	
MS-1	1	2	2	
SK-1	21	2	42	
SK-2	3	2	6	
WC-1	2	4	8	
LAV-1	2	1	2	
FD-1	2	2	4	
TOTAL			64	

	CONNECTION SIZE					
	DOMEST	IC WATER	SANITARY			
TAG NO.	DCW	SAN				
MS-1	3/4"	3/4"	2"			
SK-1	3/4"	3/4"	1 1/2"			
SK-2	3/4"	3/4"	1 1/2"			
WC-1	1"	-	4"			
LAV-1	3/4"	3/4"	1 1/4"			
FD-1	-	-	2"			

#### **REMARKS AND SPECIFICATIONS**

P SINK. 24" X 24" X 10" MOLDED-STONE MOP SERVICE BASIN. SERVICE FAUCET (830-AA): CHROME PLATED WITH VACUUM BREAKER, EGRAL STOPS, ADJUSTABLE WALL BRACE, PAIL HOOK AND 3/4" HOSE THREAD ON SPOUT. CHICAGO FAUCETS 897-RCF M ANNUAL ( FAUCETS.

M ROOM SINK. STAINLESS STEEL SINK WITH AMERICAN STANDARD MODEL NUMBER 206B.105 SENSOR OPERATED PROXIMITY DECK INTED HARD WIRED AND BATTARY BACK-UP FAUCET, "P" TRAP: 1-1/2", PVC HUB, HUB AND CLEANOUT PLUG, PROVIDE 3/8" ANGLE PLIES WITH STOP. PLUMBER SHALL PROVIDE ALL NECESSARY APPURTENANCES. INSTALL THERMOSTATIC MIXING VALVE SIMILAR FUSG-B-M2.

ORATORY ROOM SINK. DOUBLE RQUAL SINK, WITH CHICAGO FAUCET 8452-ABCP, EYEWASH FAUCET WITH PUSH PADDLE HANDLE , K MOUNTED 3/8" COMPRESSION INLET. "P" TRAP: 1-1/2", PVC HUB, HUB AND CLEANOUT PLUG, PROVIDE 3/8" ANGLE SUPPLIES WITH P. PLUMBER SHALL PROVIDE ALL NECESSARY APPURTENANCES. INSTALL THERMOSTATIC MIXING VALVE SIMILAR TO LFUSG-B-M2.

L MOUNTED WATER CLOSET. VITREOUS CHINA WITH ELONGATED BOWL. EQUIP WITH SLOAN FLUSHMATER-SLOAN VALVE COMPANY. GPF (4.8.0 LPF). INCLUDE K-4650 ELONGATED TOILET SEAT. PROVIDE SIPHON JET : ZURN 1201-NR4, CARRIER: ZURN 1201NL4.

TROOM SINK. VITREIOUS CHINA LAVATORY. SINGLE BOWL WALL MOUNTED ELECTRONIC WITH AMERICAN STANDARD MODEL IBER 605B.205 PROXIMITY LAVATORY FAUCET, HARD WIRED WITH BATTARY BACK-UP. INSTALL THERMOSTATIC MIXING VALVE LAR TO LFUSG-B-M2 UNDER SINK GUARDIAN. FURNISH AND INSTALL "BROCAR" #C500R-B TRAP WRAP

IDENSATE PUMP: ECOCIRC XL 20-35, LEED- FREE CERTIFIED TO NSF 372, STAINLESS STEEL SHAFT, IMPELLER, EPDM GASKET. CULATOR WITH ELECTRONICALLY COMMUTATED MOTOR (ECM). 10 GPM FLOW, 4 PSI HEAD, 0.083 HP, 115/1/60.

DRAIN: TYPE 304 STAINLESS HUB DRAIN, MEETS U.S. FDA STANDARD FOR CORROSION RESISTENCE.

OR DRAIN: 8" ROUND X 6" DEEP, WHITE PORCELAIN ENAMEL COATED INTERIOR, LOOSE SET CELAIN ENAMEL COATED CAST IRON GRATE, ALUMINUM DOME STRAINER, 3" PIPE SIZE, NO , TRAP PRIMER TAPPING AND 4" X 9" OVAL NICKEL BRONZE FUNNEL.

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PLUMBING SCHEDULES Scale Project No. JCDT23-0185 Drawing No. P00-02 ARCH E Title Block - v.2023 - Rev (March/2023) - Copyright © 2023

#### EXISTING MASONRY OR CONCRETE CONSTRUCTION-

PROVIDE GALVANIZED STEEL PIPE WITH RETAINING RING TO ANCHOR PIPE AND ACT AS A WATER STOP. GROUT IN PLACE FOR EXISTING MASONRY OR NEW CONCRETE CONSTRUCTION.-

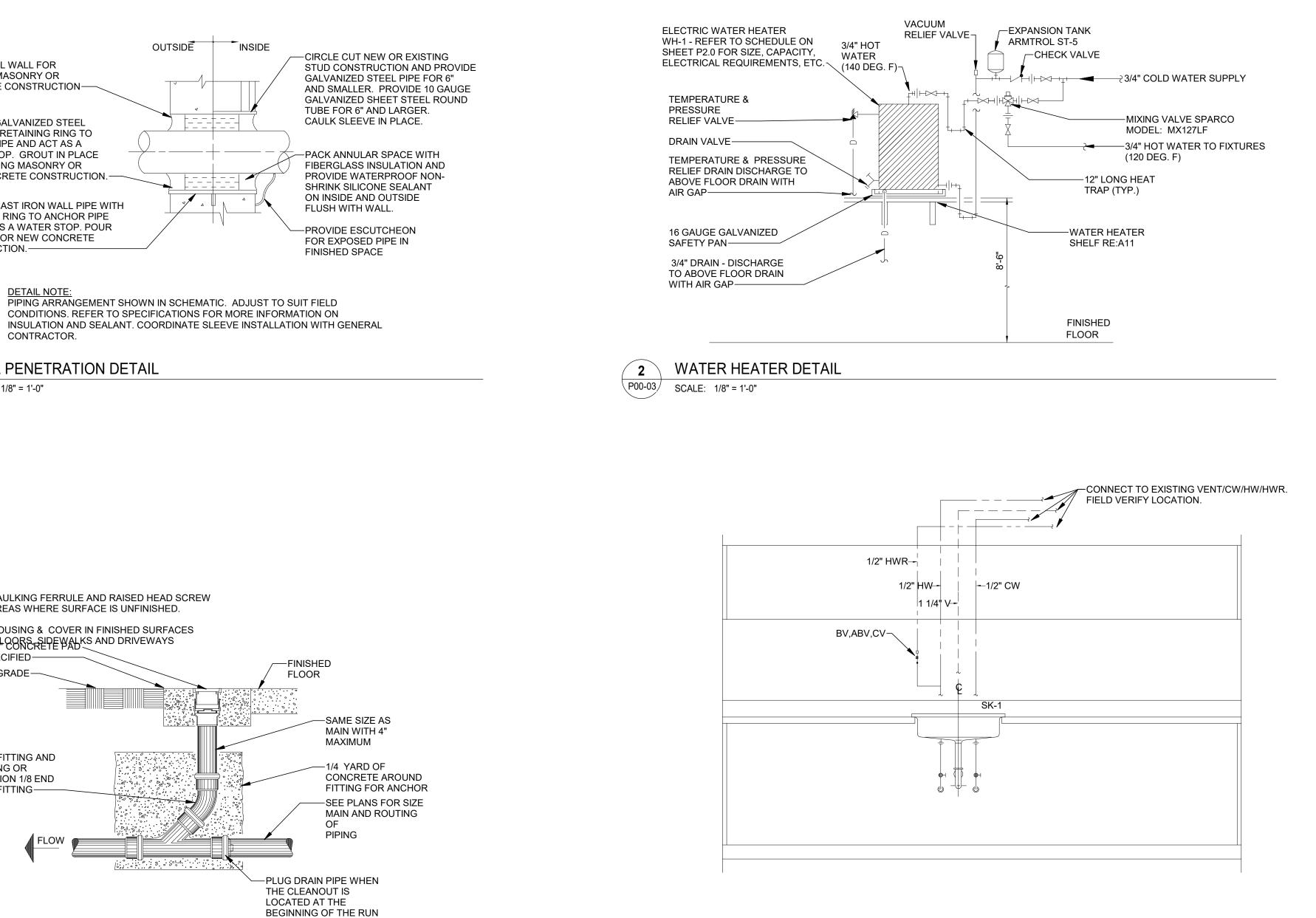
PROVIDE CAST IRON WALL PIPE WITH RETAINING RING TO ANCHOR PIPE AND ACT AS A WATER STOP. POUR IN PLACE FOR NEW CONCRETE CONSTRUCTION.-

> DETAIL NOTE: CONDITIONS. REFER TO SPECIFICATIONS FOR MORE INFORMATION ON CONTRACTOR.

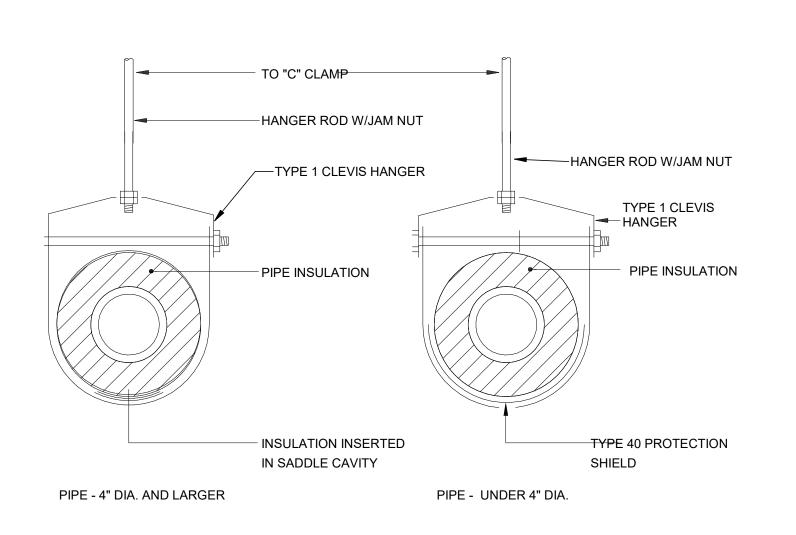
WALL PENETRATION DETAIL ´ 4 ` ∖P00-03/ SCALE: 1/8" = 1'-0"

> INSTALL CAULKING FERRULE AND RAISED HEAD SCREW PLUG IN AREAS WHERE SURFACE IS UNFINISHED. PROVIDE ACCESS HOUSING & COVER IN FINISHED SURFACES SUCH AS ELCORS, SIDEWALKS AND DRIVEWAYS OR AS SPECIFIED— FINISHED GRADE-1/8 BEND FITTING AND 0...... WYE FITTING OR COMBINATION 1/8 END AND WYE FITTING-

5 CLEANOUT P00-03 SCALE: 1/8" = 1'-0"



1 SINK DETAIL NTS

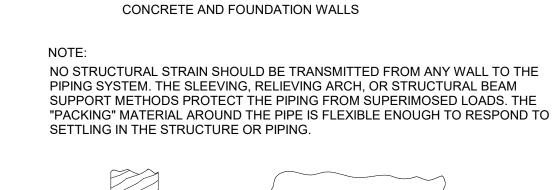


3 TYPICAL PIPE HANGER DETAIL NTS

4 PIPE THRU WALL DETAIL NTS

FIRE RATED WALL.

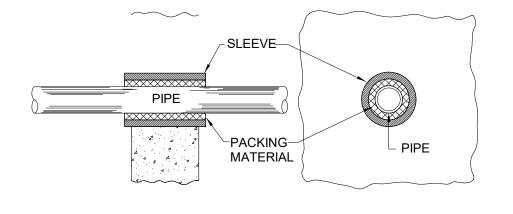
PIPE



- FIRE RATED PACKING

MATERIAL.

FIRE RATED WALLS

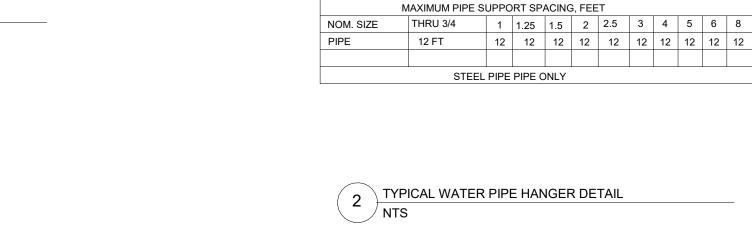


- 4. SEE ARCHITECTURAL DRAWINGS FOR FIRE RATED WALLS.
- 3. FOR ALL PIPING PASSING THRU MEZZANINE FLOOR PACK WITH 3M, CAULK CP255/L

- 2. FIRE RATED PACKING MATERIAL TO BE BY 3M. CAULK CP 25N/S
- PROTECT THE PIPING FROM SUPERIMOSED LOADS. THE "PACKING" MATERIAL AROUND THE PIPE IS FLEXIBLE ENOUGH TO RESPOND TO SETTLING IN THE STRUCTURE OR PIPING.

- SYSTEM. THE SLEEVING, RELIEVING ARCH, OR STRUCTURAL BEAM SUPPORT METHODS



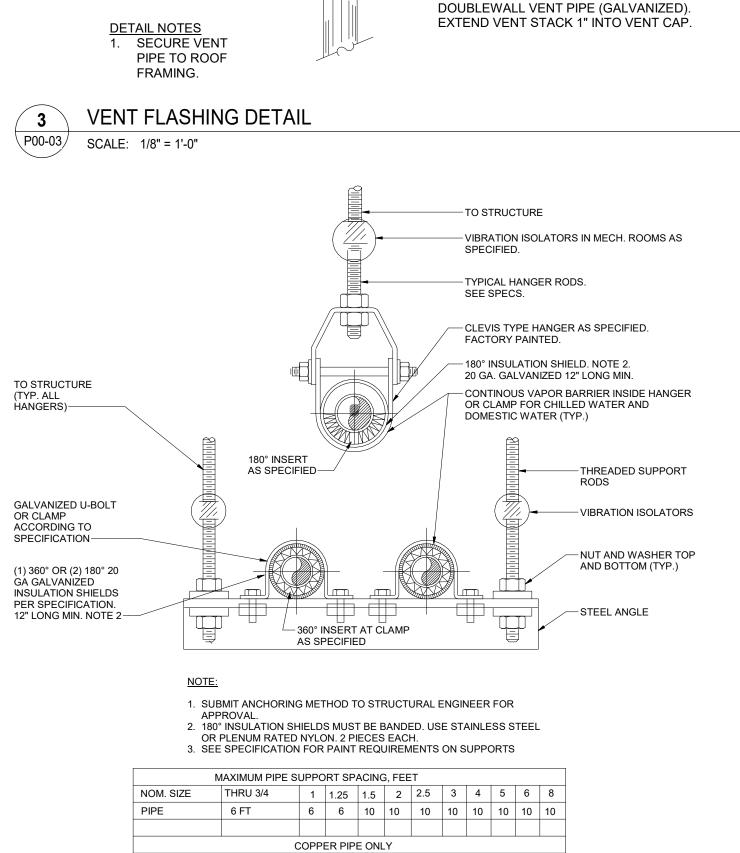


STAINLESS STEEL CLAMP

2'-0" Y MIN.

2"CLEARANCE THIMBLE

(BY ROOFING CONTRACTOR)



-GALVANIZED "BRIEDERT" TYPE "L" VENT CAP

OF VENT STACK AND U.L. APPROVED

ROOFING CONTRACTOR)

METALBESTOS, TYPE "B" MODEL DF

-RE: A-2 FOR ROOFING DETAIL

/-SINGLE PLY ROOF SYSTEM (REF:

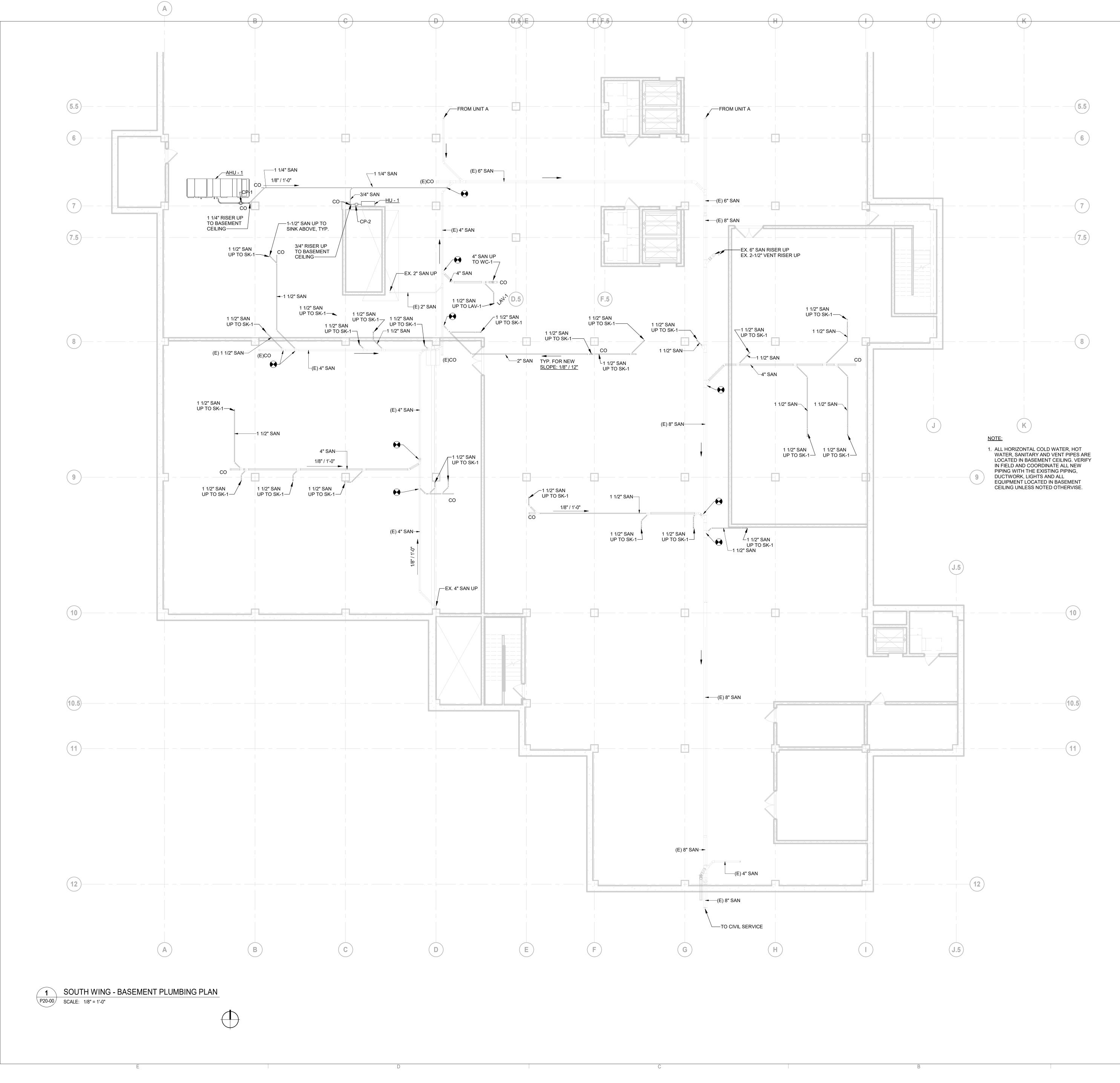
ARCHITECTURAL DRAWINGS)

-BOOT (BY ROOFING CONTRACTOR)

—BOOT SEALER (BY

CAP MUST BE 2" LARGER THAN NOMINAL SIZE

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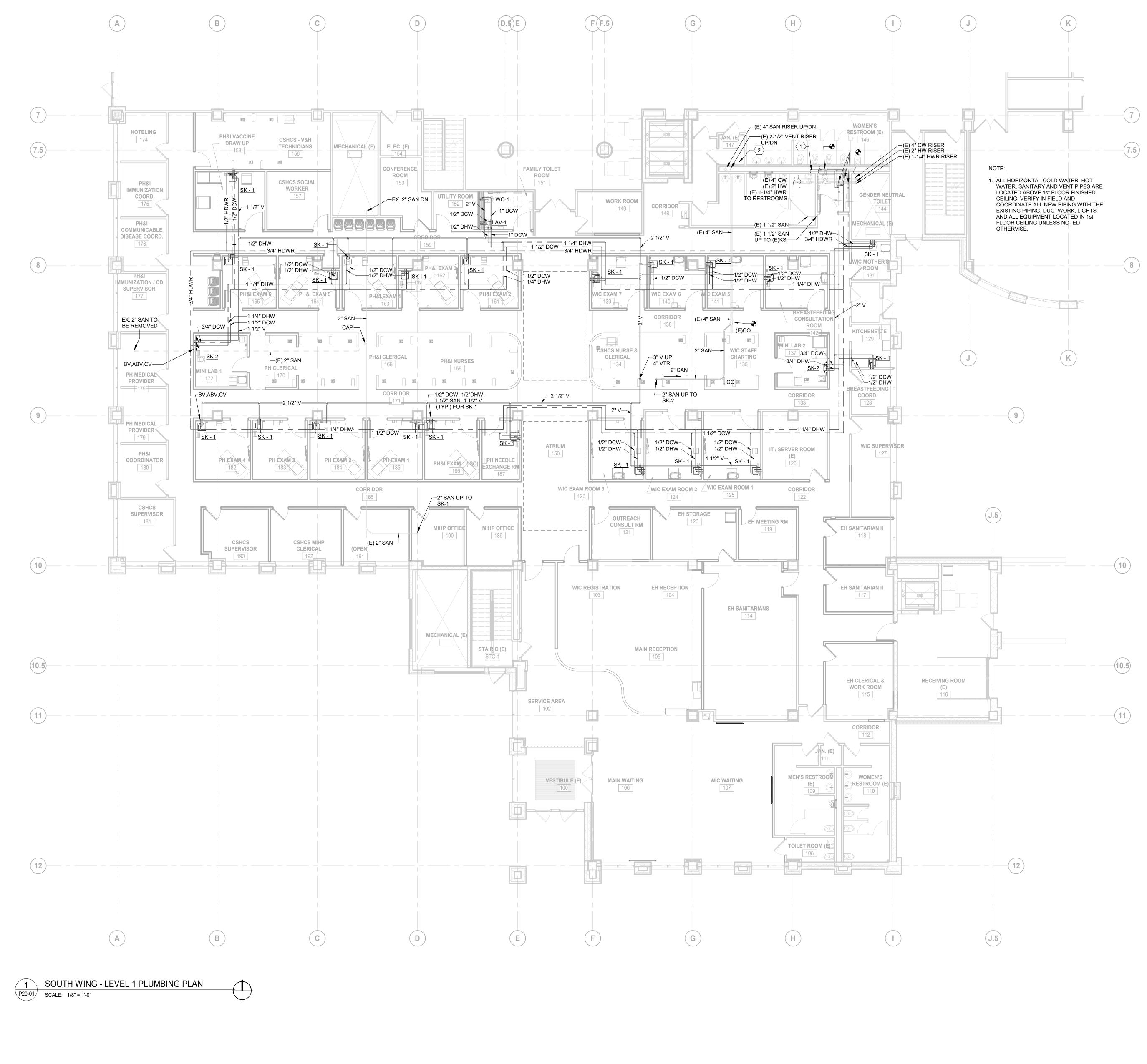
# **GENERAL NOTES** ARE APPLICABLE TO ALL PLUMBING DRAWINGS. 2. PERFORM WORK IN ACCORDANCE WITH THE LATEST EDITIONS, REVISIONS, AMENDMENTS OR SUPPLEMENTS OF APPLICABLE STATUTES, ORDINANCES, CODES OR REGULATIONS OF FEDERAL, STATE AND LOCAL AUTHORITIES HAVING JURISDICTIONS IN EFFECT ON THE DATE BIDS ARE RECEIVED. 3. WHERE APPROVED STANDARDS HAVE BEEN ESTABLISHED BY OSHA, UNDERWRITERS LABORATORIES, AMERICAN CODES, ASA, ASHRAE, AIR, NEC, STATE FIRE INSURANCE REGULATION BODY, NFPA OR OTHERS. THESE STANDARDS SHALL BE FOLLOWED WHETHER OR NOT INDICATED ON THE DRAWINGS AND SPECIFICATIONS.

## SHEET KEYED NOTES

(1) EX.
 (2)

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SOUTH WING - BASEMENT PLUMBING PLAN Scale 1/8" = 1'-0" Project No. JCDT23-0185 Drawing No. P20-00 ARCH E Title Block - v.2023 - Rev (March/2023) - Copyright © 2023



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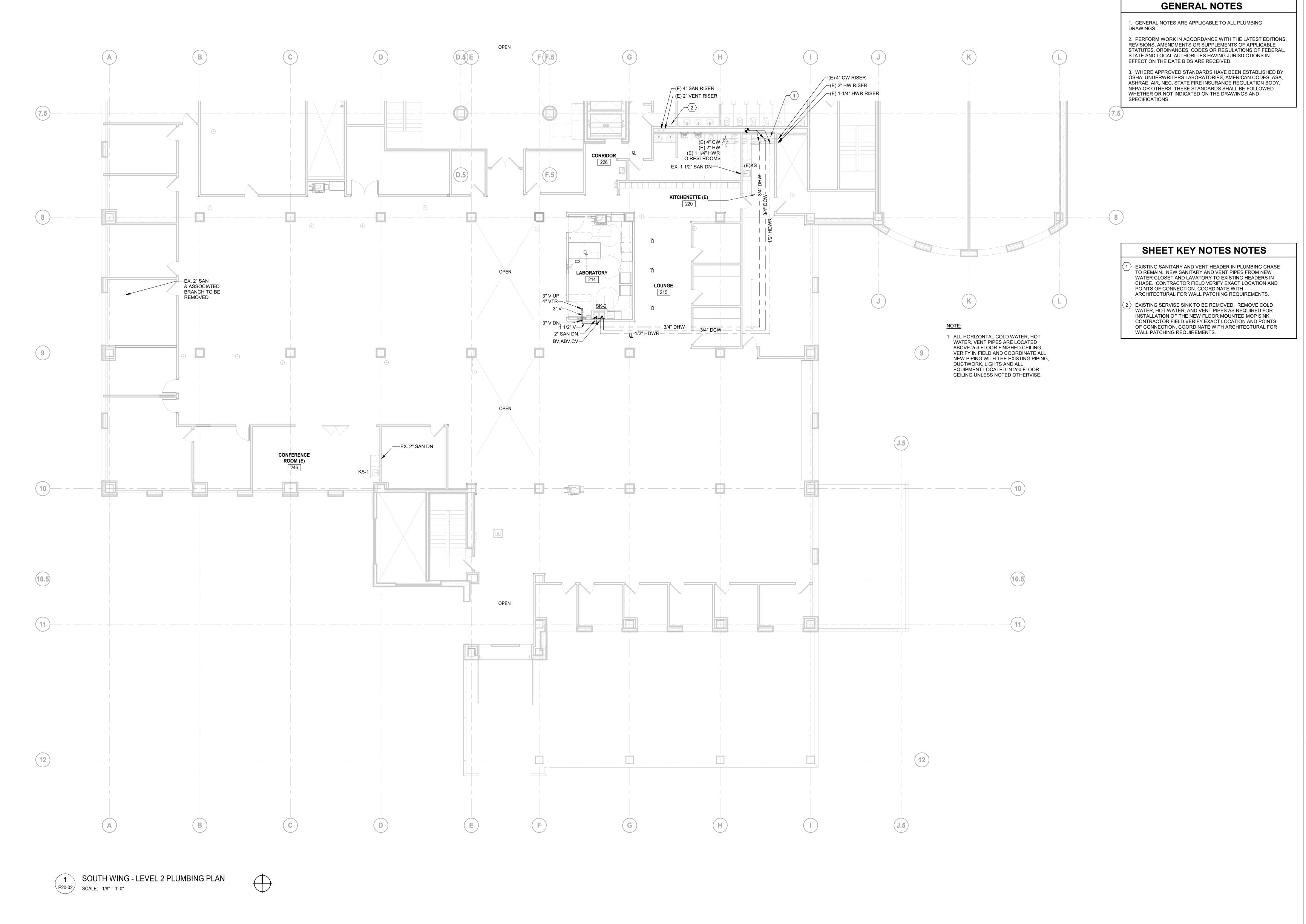
	ERAL NOTES
REVISIONS, AMENDMEN STATUTES, ORDINANCE	ACCORDANCE WITH THE LATEST EDITION ITS OR SUPPLEMENTS OF APPLICABLE ES, CODES OR REGULATIONS OF FEDERAL HORITIES HAVING JURISDICTIONS IN BIDS ARE RECEIVED.
OSHA, UNDERWRITERS ASHRAE, AIR, NEC, STA NFPA OR OTHERS. THE	STANDARDS HAVE BEEN ESTABLISHED BY LABORATORIES, AMERICAN CODES, ASA TE FIRE INSURANCE REGULATION BODY, SE STANDARDS SHALL BE FOLLOWED CATED ON THE DRAWINGS AND

	SHEET KEY NOTES NOTES
	EXISTING SANITARY AND VENT HEADER IN PLUMBING CHASE TO REMAIN. NEW SANITARY AND VENT PIPES FROM NEW WATER CLOSET AND LAVATORY TO EXISTING HEADERS IN CHASE. CONTRACTOR FIELD VERIFY EXACT LOCATION AND POINTS OF CONNECTION. COORDINATE WITH ARCHITECTURAL FOR WALL PATCHING REQUIREMENTS.
2	EXISTING SERVISE SINK TO BE REMOVED. REMOVE COLD WATER, HOT WATER, AND VENT PIPES AS REQUIRED FOR INSTALLATION OF THE NEW FLOOR MOUNTED MOP SINK. CONTRACTOR FIELD VERIFY EXACT LOCATION AND POINTS OF CONNECTION. COORDINATE WITH ARCHITECTURAL FOR WALL PATCHING REQUIREMENTS.

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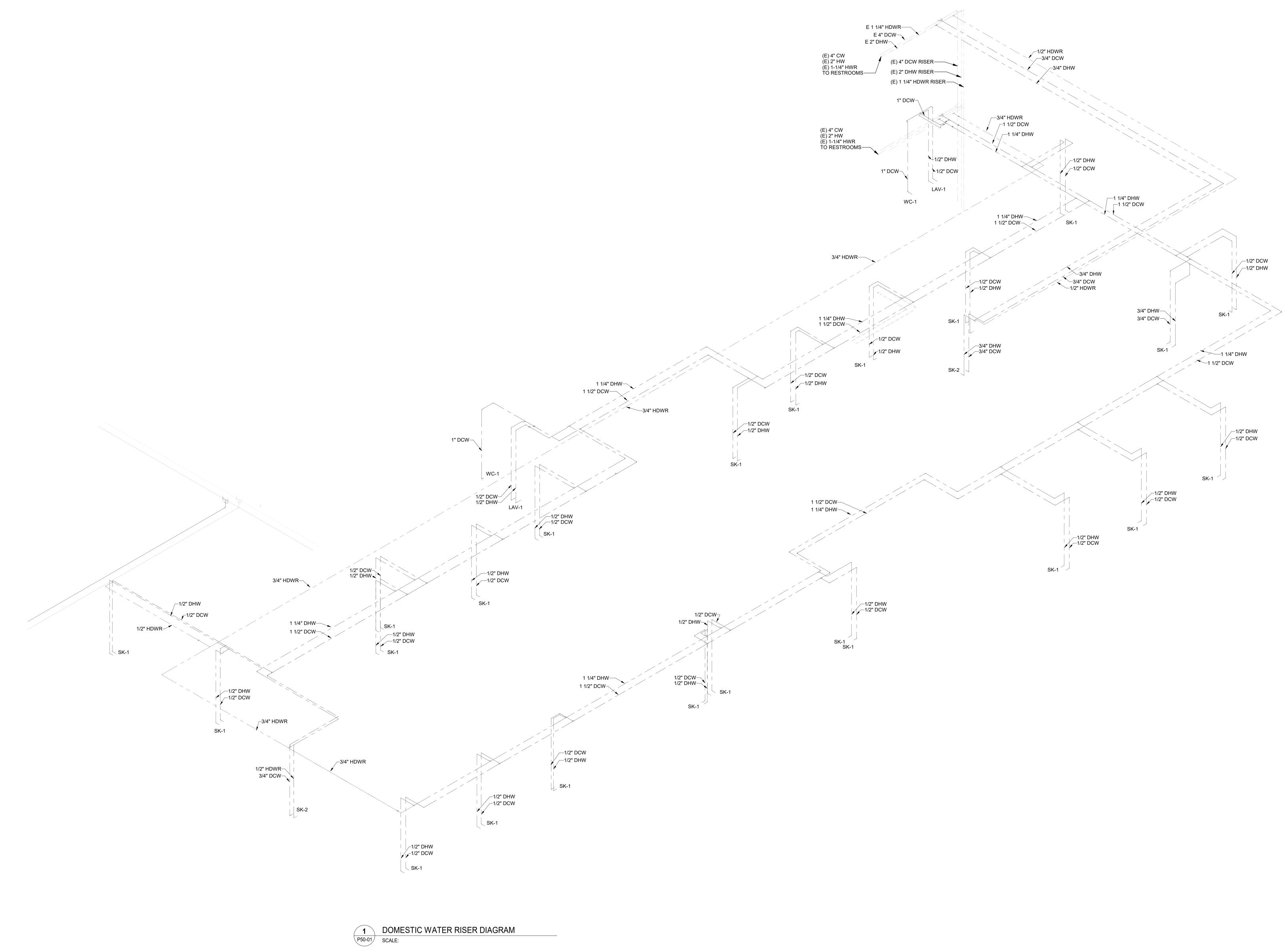
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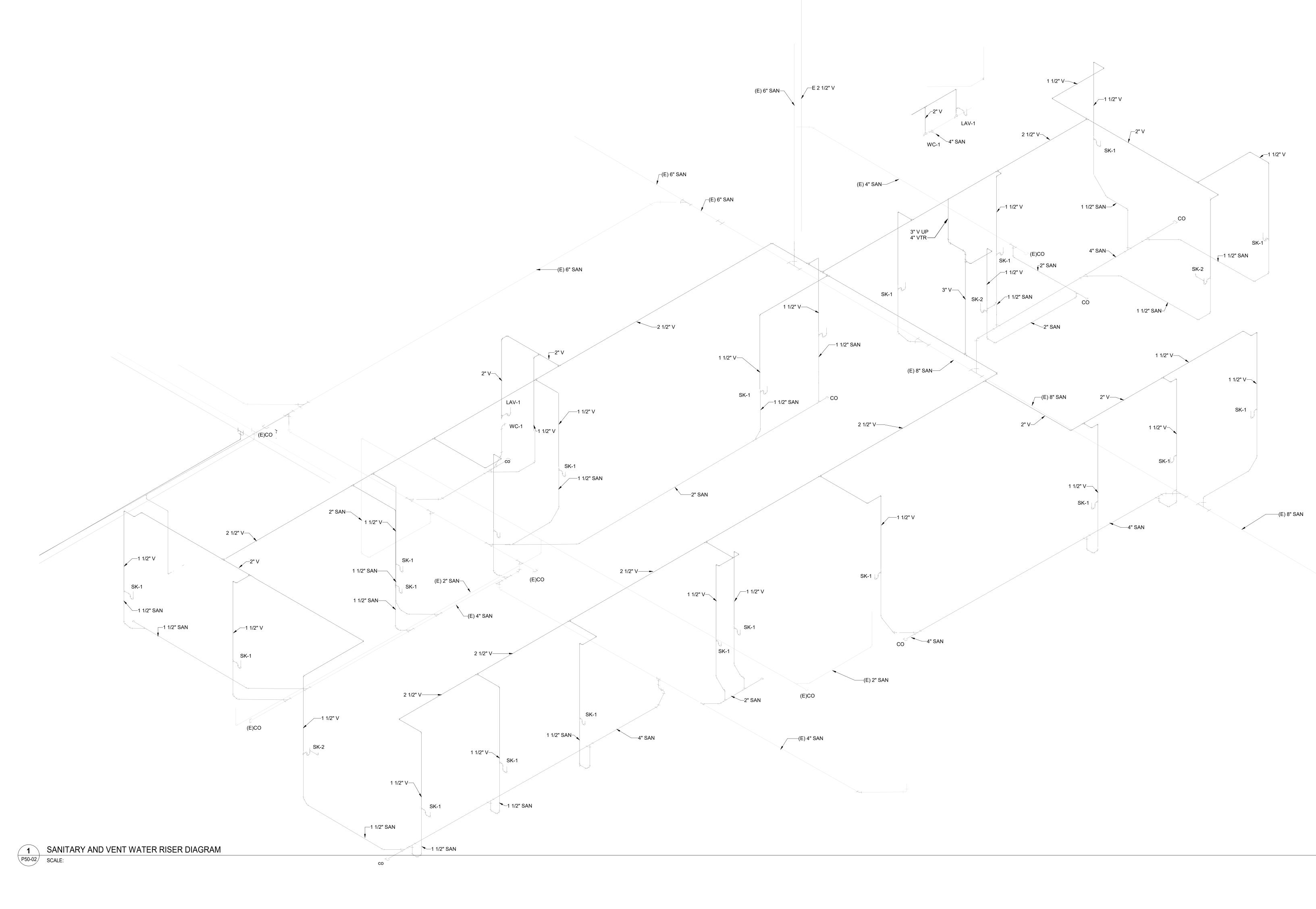
3k Docs://St. Clair County Health Department Relocation/JCDT23-0185\_MEi\_StClairCntyHealthDep.rvt

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SOUTH WING - LEVEL 2 PLUMBING PLAN Scale 1/8" = 1'-0" Project No. JCDT23-0185 Drawing No. P20-02 ARCH E Title Block - v.2023 - Rev (March/2023) - Copyright © 2023



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St. Clair County Health
Department Relocation
220 Fort Street
Port Huron, MI
48060
Drawing Title
DOMESTIC WATER RISER DIAGRAM Scale Project No. JCDT23-0185 Drawing No. P50-01 ARCH E Title Block - v.2023 - Rev (March/2023) - Copyright © 2023

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SANITARY AND VENT PLUMBING RISER DIAGRAM Scale Project No. JCDT23-0185 Drawing No. P50-02 ARCH E Title Block - v.2023 - Rev (March/2023) - Copyright © 2023

# ELECTRICAL SYMBOL LIST

'C' INDICATES CEILING MOUNT

WIRELESS ACCESS POINT

SECURITY SYSTEM

CCTV CAMERA

CCTV MONITOR

SIGNAL BELL

CARD READER

MOTION DETECTOR

KEYPAD / KEY READER

INTERCOM STATION

	CONDUIT SYSTEMS		
	CONDUIT RUN CONCEALED I EXPOSED IN UNFINISHED AR		F
	CONDUIT CONCEALED IN FLO	OOR SLAB OR UNDERGROUND	$\mathbf{V}$
o /•	CONDUIT OR CABLE TURNED	) UP / DOWN	SD
	BRANCH CIRCUIT HOMERUN OPTIONAL LINES INDICATE N SHORT LINE IS NEUTRAL, SL/	UMBER OF WIRES IN CONDUIT	SD
J	JUNCTION BOX (SIZE PER NE		
PB	PULL BOX (SIZE PER NEC OR	AS INDICATED)	BD <sub>R</sub> /BD <sub>T</sub>
	POWER SYSTEMS		
	PANELBOARD OR SWITCHBC		<u>)</u> () ) () (
Т	TRANSFORMER, 480V-208Y/1 UNLESS NOTED OTHERWISE		$\nabla \triangleleft$
	MOTOR CONTROL CENTER, NUMBER OF SECTIONS AS N	OTED	V
ത	MOTOR - SIZE AS INDICATED	-	FACP
	UNFUSED / FUSED DISCONNI	ECT SWITCH	FAA
 &	3 PHASE FUSIBLE COMBINAT	ION STARTER	
ŜM	MANUAL STARTER, WITH PIL		¥
	PUSH BUTTON STATION		)ā(
Φ		INDING RECEPTACLE, NEMA 5-20R RINKING FOUNTAIN	
Φ	20A, 125V, 3W, DUPLEX GROU	JNDING RECEPTACLE, NEMA 5-20R OUND FAULT, 'E' - EMERGENCY	$\nabla_{C}$
⊕ ⊕	20A, 125V, 3W, DUPLEX GROU MOUNTED 6" ABOVE FINISHE	JNDING RECEPTACLE, NEMA 5-20R D COUNTER	▼c
₩c	20A, 125V, 3W, DOUBLE DUPL 'C' - CEILING MOUNT, 'G' - GR	LEX RECEPTACLE, NEMA 5-20R OUND FAULT	<b>V</b> c
	SPECIAL RECEPTACLE. NEM	IA CONFIGURATION AS NOTED	
ΦΦ	MULTI-OUTLET ASSEMBLY W	VOUTLETS AS NOTED ON PLANS	Ŭ
J FB	SPECIALTY OUTLET BOX 'FB' - FLOOR BOX (RECESSE 'SFB' - SURFACE FLOOR BO 'PT' - POKE THRU (FLUSH OI 'FPT' - FURNITURE (FEED) P 'FWB' - FURNITURE (FEED) V	X (OUTLETS AS NOTED) UTLETS AS NOTED) OKE THRU	► T
	<u>GROUNDING</u>		
<b></b>	GROUND ROD		К
G	COPPER GROUND BAR, 2" X	1/4" OR AS NOTED	QB
	DOT INDICATES EXOTHERMI	C WELD OR CONNECTION	
MOUNTING	<u>HEIGHTS</u>		
(ALL MOUNTING	G HEIGHTS ARE TO THE CENTER	R OF THE DEVICE,	
RECEPTACLES		1'-6"(18") AFF	K
	(ABOVE COUNTER)	3'-6"(42") AFF	N
RECEPTACLES	(PATIENT BEDS)	4'-0"(48") AFF	
	(UNFINISHED, UTILITY, NDUSTRIAL AREAS)	4'-0"(48") AFF	
LIGHT SWITCHE	ES & PUSH BUTTONS	4'-0"(48") AFF	
FIRE ALARM MA	ANUAL PULL STATIONS	4'-0"(48") AFF	
FIRE ALARM AU	JDIO/VISUAL WALL MOUNT	7'-6" AFF OR 6" BELOW CEILING (WHICHEVER IS LOWER	
CARD READER	S	4'-0"(48") AFF	
	CEPTACLE PANELS /IUM 12" ABOVE FLOOR)	6'-0" TO TOP	
DISTRIBUTION	PANELS	7'-0" TO TOP	
	ERS & SAFETY SWITCHES	5'-0"(60") AFF	
	DATA OUTLETS (BOXES)	1'-6"(18") AFF	
NURSE CALL P	ATIENT STATIONS	4'-6" AFF OR AS NOTED	

NURSE CALL TOILET/SHOWER STATIONS	
TELEVISION OUTLETS (POWER & CABLE)	

4'-6" AFF OR AS NOTED ON ARCH ELEVATIONS

4'-6" AFF WITH END OF PULL CORD AT 1'-6"(18")

NOTED)

7'-6" AFF

7'-6" AFF (UNLESS OTHERWISE

CLOCK OUTLETS

NURSE CALL SYSTEM PATIENT CALL STATION DOME LIGHT

FIRE ALARM SYSTEM	
MANUAL PULL STATION	
DETECTOR (TYPE AS INDICATED) 'S' - AREA SMOKE DETECTOR 'H' - HEAT DETECTOR 'F' - FLAME DETECTOR	
DEVICE (TYPE AS INDICATED) 'SD' - DUCT TYPE SMOKE DETECTOR 'IM' - ADDRESSABLE (INPUT) INTERFACE MODULE 'WF' - SPRINKLER RISER WATERFLOW SWITCH 'PS' - SPRINKLER RISER PRESSURE SWITCH 'TS' - SPRINKLER RISER VALVE TAMPER SWITCH 'FT' - FIREFIGHTER'S TELEPHONE OR JACK	□□_x ⊢4× ⊢4×
BEAM SMOKE DETECTOR - RECEIVER / TRANSMITTER	$\circ$
AUDIO/VISUAL ALARM SIGNAL RECESSED MOUNTED 'C' - CEILING MOUNTED, 'S' - SURFACE MOUNTED	
VISUAL ALARM STROBE SIGNAL WALL/CEILING MOUNTED	
AUDIO / VISUAL ALARM SIGNAL	$\otimes$
VISUAL SIGNAL DEVICE	X
FIRE ALARM SYSTEM CONTROL PANEL	4
REMOTE FIRE ALARM SYSTEM (REMOTE) ANNUNCIATOR PANEL	Y D O
MAGNETIC DOOR HOLD OPEN	<b>T Y</b>
DUCT SMOKE DETECTOR ALARM LIGHT	•
TELECOMMUNICATION SYSTEM	Š
DATA OUTLET - EMPTY BOX, UNLESS SPEC'D OTHERWISE 'C' INDICATES CEILING MOUNT	S <sub>3</sub>
	ŝ

TELEPHONE OUTLET - EMPTY BOX, UNLESS SPEC'D OTHERWISE S<sub>X</sub> 'C' INDICATES CEILING MOUNT, W - WALL MOUNT AT 48" AFF TELE/DATA OUTLET - EMPTY BOX, UNLESS SPEC'D OTHERWISE

> HOS/OSVS LC

### LIGHTING SYSTEM 2'X4' FIXTURE, RECESSED OR SURFACE 'X' INDICATES TYPE 2'X2' FIXTURE, RECESSED OR SURFACE 'X' INDICATES TYPE 1'X4' FIXTURE, RECESSED OR SURFACE 'X' INDICATES TYPE STRIP OR SUSPENDED FIXTURE 'X' INDICATES TYPE

WALL MOUNT OR BRACKET FIXTURE 'X' INDICATES TYPE DOWNLIGHT FIXTURE. RECESSED OR SURFACE 'X' INDICATES TYPE, CENTER DOT FOR SUSPENDED FIXTURE WITH NIGHT LIGHT/EMERGENCY CIRCUIT SPLIT CIRCUITS WHERE INDICATED EXIT LIGHT, DIRECTIONAL ARROWS WHERE INDICATED EXIT LIGHT WITH EMERGENCY BATTERY HEADS DIRECTIONAL ARROWS WHERE INDICATED

EMERGENCY BATTERY UNIT (EBU) FIXTURE W/ NUMBER OF HEADS AS SHOWN

EMERGENCY LIGHT HEAD MOUNTED REMOTE EBU POLE MOUNTED FIXTURE, SQUARE OR ROUND AND NUMBER OF HEADS AS INDICATED FLOODLIGHT

LIGHTING CONTROL SYSTEMS SWITCH, SINGLE POLE, 20A; '2' - TWO POLE SWITCH, THREE WAY, 20A; '4' - FOUR WAY

SPECIALTY SWITCH (INCLUDING MULTIPLE OPTIONS) 'D' - DIMMER SWITCH 'K' - KEY SWITCH 'O' - OCCUPANCY SENSOR 'L' - LOW VOLTAGE 'T' - TIMER

OCCUPANCY SENSOR - WALL/CEILING MOUNTED DL/ P DUAL DAYLIGHT & OCCUPANCY SENSOR VACANCY SENSOR - CEILING MOUNTED

LIGHTING CONTROL BOX/RELAY

# <u>ELEC</u>

# GEN

<u>E</u>	ELECTRICAL ABBRE	VIA	TIONS
	AMPERE ABOVE COUNTER	MA	METER MILLIAMPERE
	ALTERNATING CURRENT, ARMOR-CLAD ADDENDUM AMPERES, FRAME (BREAKER RATING) ABOVE FINISHED FLOOR	MC MCB	MAXIMUM METAL-CLAD (CABLE) MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER
	ABOVE FINISHED GRADE ABOVE GROUND ALUMINUM AMMETER	MEZZ MFG	MECHANICAL MEZZANINE MANUFACTURING MANUFACTURER
	APPROXIMATE ARCHITECTURAL AMMETER SWITCH	MH MIC MIN	MANHOLE, METAL HALIDE, MOUNTING HEIGHT MICROPHONE MINIMUM
	AUTOMATIC SPRINKLER RISER AMPERE TRIP (BREAKER SETTING) AUTOMATIC TRANSFER SWITCH AUXILIARY	MLO MO	MISCELLANEOUS MAIN LUG ONLY MOTOR OPERATED MOUNTED
3	AMERICAN WIRE GAUGE BOTTOM CHORD BUS DUCT	MTS	MOUNTING MANUAL TRANSFER SWITCH MEDIUM VOLTAGE
G	BUILDING BREAKER	N (N) NC	NEUTRAL, NORMAL NEW (DEVICE) NORMALLY CLOSED
V	CONDUIT CONTROLLED ACCESS SYSTEM CIRCUIT BREAKER CLOSED CIRCUIT TELEVISION	NF NIC	NATIONAL ELECTRICAL CODE NOT FUSED NOT IN CONTRACT NIGHT LIGHT
	CURRENT LIMITING FUSE CEILING CIRCUIT COAXIAL CABLE	NTS	NORMALLY OPEN, NUMBER NOT TO SCALE ON CENTER
	COLUMN CONTINUATION (CONTINUOUS) CONTROL PANEL	OFF OL	OFFICE OVERLOAD OPENING
	CURRENT TRANSFORMER CURRENT TEST BLOCK COPPER	PA	POLE PUBLIC ADDRESS SYSTEM PULLBOX
i T	DIRECT CURRENT DEGREE DEPARTMENT DETAIL	PDP PF	PUSH BOX STATION POWER DISTRIBUTION PANEL POWER FACTOR PHASE
5	DIAMETER DISCONNECT DOWN	PIV PL PNL	POST INDICATOR VALVE PILOT LIGHT PANEL
3	DOUBLE THROW DRAWING EACH	PR PRI PS	POWER PANEL PAIR PRIMARY PULL SWITCH
С	EMERGENCY POWER DISTRIBUTION PANEL EXHAUST FAN ELEVATION ELECTRIC (ELECTRICAL)	PVC	POTENTIAL TRANSFORMER POLYVINYL CHLORIDE POWER
	EMERGENCY LIGHTING PANEL END-OF-LINE RESISTOR EMERGENCY EMERGENCY MOTOR CONTROL CENTER	ŘĆ RECPT	RELOCATED (DEVICE) REMOTE CONTROL RECEPTACLE RELOCATE (PANELBOARD)
	ELECTRICAL METALLIC TUBING EMERGENCY POWER OFF EQUIPMENT	REP RMC RP	REPLACE (PANELBOARD) RIGID METAL CONDUIT RECEPTACLE PANEL (TYPICALLY 208/120V)
C ST,(E	EMERGENCY RECEPTACLE PANEL ELECTRIC UNIT HEATER ELECTRIC WATER COOLER ) EXISTING, EXISTING TO REMAIN (DEVICE)	SD	RIGID STEEL CONDUIT SMOKE DETECTOR SECONDARY
P	FIRE ALARM FIRE ALARM ANNUNCIATOR PANEL FIRE ALARM CONTROL PANEL	SHT	SURFACE FLOOR BOX SHIELDED SHEET SIGNAL
	FLOOR BOX (AT JB) FEEDER FINISH	SP SPEC SPKR	SINGLE POLE SPECIFICATION SPEAKER
	FIXTURE FLOOR FURNITURE POKE-THRU (AT JB) FUSE	ST STP STP/OS	SELECTION SWITCH SINGLE THROW SHIELDED TWISTED PAIR SHIELDED TWISTED PAIR W/ OVERALL SHEILD
3	FUTURE FURNITURE WALL BOX (AT JB) GROUND	SUBST SW	STRUCTURAL SUBSTATION SWITCH SWITCHBOARD
GFC	GROUND FAULT BREAKER GENERATOR IGROUND FAULT CIRCUIT INTERRUPTER GALVANIZED RIGID STEEL	SYS	SWITCHGEAR SYSTEM THERMOSTAT
	HIGH INTENSITY DISCHARGE HEIGHT	TB TEL TOS	THERMAL BREAKER TELEPHONE TOP OF STEEL
	HORIZONTAL HORSEPOWER HIGH PRESSURE SODIUM HEATER	TYP UG	POWER FACTOR TRANSDUCER TYPICAL UNDERGROUND
С	HIGH VOLTAGE HEATING VENTILATING AND AIR CONDITIONING INTERLOCKING ARMOR CABLE	UON	UNIT HEATER UNLESS OTHERWISE NOTED UNSHIELDED TWISTED PAIR UNSHIELDED TWISTED PAIR W/ OVERALL SHEILD
	INTERCOM INVERT ELEVATION INCANDESCENT, INCORPORATE ISOLATED NEUTRAL	V VM	VOLT OR VOLTAGE VOLTMETER VAPOR PROOF
	JUNCTION BOX	VS VTR	VOLTMETER SWITCH VOLTAGE TRANSDUCER
। २	THOUSAND CIRCULAR MIL(S) (MCM) KILOVOLT KILOVOLT-AMPERES KILOVOLT-AMPERES REACTIVE	WH WHD WP	WATT WATT-HOUR METER WATT-HOUR DEMAND METER WEATHER PROOF
I	KILOWATT KILOWATT-HOUR LIGHTNING ARRESTOR	WR W/ W/O	WELDING RECEPTACLE WITH WITHOUT
	LIGHTING DISTRIBUTION PANEL LIGHTING PANEL (TYPICALLY 480/277V) LIGHT	XFMR XP	TRANSFORMER EXPLOSION PROOF
	LIGHTING LOW VOLTAGE		

		DATEISSUED FORREV04-24-2024BID/PERMIT1
GENERAL NOTES		
<ol> <li>FINAL CONNECTIONS TO LIGHT FIXTURES SHALL BE MADE WITH FLEXIBLE CONDUIT. MAXIMUM LENGTH OF FLEXIBLE CONDUIT SHALL BE 6'-0".</li> <li>REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF LIGHT FIXTURES. CONTRACTORS TO COORDINATE LOCATIONS OF LIGHTING, SPEAKERS, AIR DIFFUSERS, GRILLES,</li> </ol>		
<ul> <li>SPRINKLER HEADS, ETC., WITH REFLECTED CEILING LAY-OUTS AS REQUIRED &amp; DIRECTED BY THE ARCHITECT.</li> <li>ALL DEVICES, EQUIPMENT, FIXTURES, ETC., MUST BE GROUNDED BY USE OF A PROPERLY SIZED GROUNDING CONDUCTOR. MECHANICAL/ELECTRICAL BONDS OF THE METALLIC RACEWAY SYSTEM SHALL ALSO BE MAINTAINED.</li> <li>REFER TO MECHANICAL, PLUMBING, AND FIRE PROTECTION PLANS FOR EXACT LOCATION OF</li> </ul>		
MECHANICAL AND PLUMBING EQUIPMENT. COORDINATE LOCATION OF DISCONNECT SWITCH ASSOCIATED WITH EACH PIECE OF EQUIPMENT WITH RESPECTIVE CONTRACTOR AND INSTALL IN ACCORDANCE WITH THE NEC. 5. REFER TO DIVISION 15 (21, 22 & 23) SPECIFICATIONS, HVAC, PLUMBING & FIRE PROTECTION PLANS FOR ADDITIONAL ELECTRICAL WORK REQUIREMENTS & COORDINATION.		
<ol> <li>ALL RECEPTACLES SHOWN BACK-TO-BACK IN WALLS SHALL BE SEPARATED HORIZONTALLY BY 8" MINIMUM.</li> <li>WHERE OPEN WIRING METHODS FOR LOW VOLTAGE SYSTEMS ARE PERMITTED BY THE CONTRACT DOCUMENTS, OWNER AND LOCAL AUTHORITY, THE CABLE/CONDUCTOR INSULATION SHALL BE RATED PER NEC FOR ENVIRONMENT (I.E. PLENUM RATED, ETC.) BEING INSTALLED.</li> <li>BRANCUL CIRCUIT CONDUCTOR SIZES (&amp; CONDUCTOR) SHALL BE INDICATED.</li> </ol>	4	
<ol> <li>BRANCH CIRCUIT CONDUCTOR SIZES (&amp; CONDUITS) SHALL BE INCREASED FROM THOSE INDICATED ON THE PLANS TO PREVENT EXCESSIVE VOLTAGE DROP. BRANCH CIRCUITS SHALL BE INSTALLED WITH WIRES OF SUFFICIENT SIZE SO THAT VOLTAGE DROP BETWEEN THE PANEL &amp; THE LOADS DO NOT EXCEED A LIMIT OF 3%.</li> <li>REGARDLESS OF THE TEMPERATURE RATING OF THE CONDUCTOR INSULATION, ALL CONDUCTOR AMPACITY RATINGS FOR THIS PROJECT SHALL BE DETERMINED FROM THE 75°C CONDUCTOR</li> </ol>		
TEMPERATURE RATINGS INDICATED IN THE NEC TABLES. WHERE EQUIPMENT OR DEVICES ARE PROVIDED WITH TERMINALS/LUGS RATED FOR 60°C, THE AMPACITY RATING OF THE 75°C CONDUCTOR SHALL BE LIMITED TO ITS ASSOCIATED 60°C RATING AS INDICATED IN THE NEC TABLES. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO INCREASE THE CONDUCTORS AND CONDUIT SIZE AS REQUIRED.		
10. ALL 120V AND 277V BRANCH CIRCUITS SHALL BE PROVIDED WITH SEPARATE NEUTRAL CONDUCTORS. SHARED NEUTRALS WILL NOT BE PERMITTED FOR MULTI-CIRCUIT INSTALLATIONS. WHERE MULTIPLE CIRCUITS ARE RUN IN A COMMON RACEWAY, THE AMPACITY OF THE CONDUCTORS SHALL BE PROPERLY DERATED & CONDUIT SHALL BE SIZED PER CODE. UNDER NO CIRCUMSTANCES SHALL MORE THAN SIX (6) CURRENT CARRYING CONDUCTORS BE RUN IN A SINGLE CONDUIT. REFERENCE NEC ARTICLE AND TABLE 310.15(B) (3)(a).		
11. ALL CONDUITS SHALL CONTAIN A GROUND CONDUCTOR SIZED PER NEC TABLE #250.122. IN ADDITION, WHERE AN ISOLATED, INSULATED GROUND IS REQUIRED, A SEPARATE GROUND CONDUCTOR WITH GREEN INSULATION SHALL BE RUN FROM THE PANEL GROUND BUS TO THE ISOLATED GROUND CONNECTION OF THE DEVICE. IN NO CASE SHALL THE SYSTEM GROUND (CONDUCTOR & ASSOCIATED OUTLET BOXES, CONDUIT & BUILDING STEEL) BE ALLOWED TO CONTACT THE ISOLATED		
<ul> <li>GROUND (CONDUCTOR &amp; DEVICE). WHERE CIRCUIT CONDUCTORS ARE INCREASED IN SIZE FOR ANY</li> <li>REASON (I.E. VOLTAGE DROP, DERATING, ETC.), THE GROUND CONDUCTOR SIZE SHALL BE INCREASED</li> <li>PROPORTIONATELY (ACCORDING TO CIRCULAR MIL AREA) FROM THE SIZE REQUIRED BY NEC TABLE #</li> <li>250.122.</li> <li>12. ELECTRICAL INSTALLATION REQUIREMENTS FOR ALL HVAC, PLUMBING, FIRE PROTECTION, SPECIAL</li> <li>SYSTEMS AND OWNER EQUIPMENT BEING FURNISHED BY OTHERS SHALL BE REVIEWED AND</li> </ul>		
COORDINATED WITH OTHER TRADES PRIOR TO ROUGH-IN. OBTAIN EQUIPMENT SHOP DRAWINGS FROM INSTALLER/SUPPLIER/CONTRACTOR/OWNER FURNISHING EQUIPMENT, AS REQUIRED, FOR REVIEW AND COORDINATION. CONTACT ARCHITECT/ENGINEER WITH ANY DISCREPANCIES FOUND BETWEEN CONSTRUCTION DRAWINGS AND EQUIPMENT BEING FURNISHED PRIOR TO ROUGH-IN.		
<ol> <li>THE ELECTRICAL CONTRACTOR SHALL FURNISH ALL ACCESS PANELS, AS REQUIRED FOR SERVICING AND TESTING, FOR EQUIPMENT AND/OR DEVICES FURNISHED UNDER HIS CONTRACT. THE GENERAL CONTRACTOR SHALL INSTALL ACCESS PANELS. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE SIZE AND LOCATION OF EACH ACCESS PANEL WITH THE ARCHITECT AND GENERAL CONTRACTOR PRIOR TO ROUGH-IN.</li> <li>ELECTRICAL CONTRACTOR SHALL INCLUDE IN HIS BID ALL CUTTING, TRENCHING AND PATCHING</li> </ol>		
ASSOCIATED WITH THE ELECTRICAL INSTALLATION. 15. ALL PENETRATIONS IN OR THROUGH FIRE RATED ASSEMBLIES ASSOCIATED WITH THE ELECTRICAL INSTALLATION SHALL BE FIRE-STOPPED USING A UL APPROVED METHOD. FURNISH AND INSTALL UL LISTED FIRE RATED MATERIALS AND EQUIPMENT SUCH AS BOXES, PUDDY PADS, ENDOTHERMIC MAT, LIGHT FIXTURES WITH RATED ENCLOSURES, ETC TO COMPLY WITH CODE FOR PROJECT		
CONDITIONS. FURNISH AND INSTALL SLEEVES, WHERE REQUIRED. UL APPROVED METHOD FOR FIRE STOPPING SHALL MEET OR EXCEED FIRE RATING OF STRUCTURE BEING PENETRATED. REFERENCE ARCHITECTURAL PLANS FOR FIRE RATED STRUCTURES. 16. NO CONDUIT, BOXES, WIRING, OR CABLES SHALL BE INSTALLED WITHIN 1 1/2" OF THE LOWEST POINT OF THE UNDERSIDE OF THE ROOF DECKING, NOR SHALL THEY BE INSTALLED CONCEALED WITHIN METAL-CORRUGATED ROOF DECKING.		
<ol> <li>ALL ELECTRICAL EQUIPMENT AND DEVICES FOR THIS PROJECT MUST BE UL LISTED. DEVICES, EQUIPMENT, SYSTEMS SHALL BE INSTALLED PER N.E.C. REQUIREMENTS AND MANUFACTURER'S INSTRUCTIONS.</li> <li>THE DESIGN INTENT IS ALL DEVICES SHALL BE RECESSED MOUNTED, UNLESS OTHERWISE NOTED. THE DEVICE BACK-BOX AND RACEWAY BEING FURNISHED SHALL BE RATED TO COMPLY WITH NEC PER</li> </ol>	3	
THE APPLICATION. WHERE MOUNTED WITHIN A FIRE RATED WALL OR STRUCTURE, FURNISH AND INSTALL UL APPROVED FIRE STOPPING ASSEMBLIES AND MATERIALS TO MAINTAIN RATING OF WALL OR STRUCTURE. WHEN THERE IS NO AVAILABLE OPTION BUT TO INSTALL A SURFACE MOUNTED DEVICE, CONSULT ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO INSTALLATION. 19. THE DESIGN INTENT IS ALL CONDUIT, CABLES, RACEWAYS AND PATHWAYS SHALL BE CONCEALED FROM SIGHT WITHIN THE BUILDING CONSTRUCTION, UNLESS OTHERWISE NOTED. THE CONDUIT,		
CABLES, RACEWAYS AND PATHWAYS BEING FURNISHED SHALL BE RATED TO COMPLY WITH NEC PER THE APPLICATION. WHEN THERE IS NO AVAILABLE OPTION BUT TO INSTALL A VISIBLE CONDUIT, CABLE, RACEWAY OR PATHWAY, CONSULT ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO INSTALLATION. 20. ALL CONDUIT AND CABLING SHALL BE PROPERLY SUPPORTED AS REQUIRED BY THE NATIONAL		
<ul> <li>ELECTRICAL CODE. FOR EXISTING INSTALLATIONS, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AND/OR REWORK EXISTING CONDUIT AND/OR CABLING THAT IS NOT IN COMPLIANCE WITH THIS REQUIREMENT.</li> <li>21. CONTRACTOR SHALL FIELD VERIFY SLAB ON GRADE FLOOR CONSTRUCTION TYPE PRIOR TO CUTTING. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR CUT A STRUCTURAL FLOOR SLAB THICKER THAN FOUR (4") INCHES WITHOUT PRIOR WRITTEN APPROVAL FROM ENGINEER OF RECORD. NOTIFY</li> </ul>		
ENGINEER OF RECORD OF ANY SLAB THICKNESS GREATER THAN FOUR (4") INCHES PRIOR TO PROCEEDING WITH ANY SAW CUTTING. 22. IN OTHER THAN DWELLING UNITS, ALL 125-VOLT THROUGH 250-VOLT RECEPTACLES SUPPLIED BY SINGLE PHASE BRANCH CIRCUITS RATED 150 VOLTS OR LESS TO GROUND, 50 AMPERES OR LESS, AND ALL RECEPTACLES SUPPLIED BY THREE PHASE BRANCH CIRCUITS RATED 150		This drawing has been prepared solely for the use of St. Clair County Health Department and there are no representations of any kind made by
VOLTS OR LESS TO GROUND, 100 AMPERES OR LESS, INSTALLED IN LOCATIONS IDENTIFIED IN 210-8(B) SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL. WHERE DEVICE IS READILY ACCESSIBLE, THE DEVICE SHALL BE PROVIDED WITH INTEGRAL GROUND FAULT PROTECTION. WHERE DEVICE IS NOT READILY ACCESSIBLE AND/OR NOT AVAILABLE WITH INTEGRAL GROUND FAULT PROTECTION, THE BRANCH CIRCUIT BREAKER SERVING THE DEVICE(S) SHALL BE GROUND FAULT TYPE.		This drawing shall not be used for construction purposes until the seal appearing hereon is signed and dated by the Architect or Engineer
		Project Component Key Plan
		Consultants Survey: Civil:
	2	Architecture: Structural: Mechanical: Electrical: Interiors:
		Landscape: Seal(s)
		NORR
		150 W. Jefferson Avenue., Suite 1300 Detroit, MI, US 48226 norr.com
		Project Manager Drawn B. Colburn Author
		Project Leader Checked Checker Client St. Clair County Health
		Department
		Project St. Clair County Health Department Relocation
	1	3415 28th Street Port Huron, MI 48060 Drawing Title
		ELECTRICAL ABBREVIATIONS & SYMBOLS
		Scale 12" = 1'-0" Project No.
A		JCDT-23-0185 Drawing No. E00-01 ARCH E Title Block - v.2023 - Rev (July/23) - Copyright © 2023

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	LIGHTING FIXTURE SCHEDULE									
TYPE MARK	DESCRIPTION	MANUFACTURER	MODEL	VOLTAGE	WATTAGE	LAMP	COMMENTS			
		<varies></varies>	<varies></varies>							
L1	2'X2' CONFIGURABLE EDGE-LIT LED FLAT PANEL	LITHONIA	EPANL	277		0-10V DIM; 3000L; 3500K CCT; 80CRI				
L2	8" RECESSED LED DOWNLIGHT RETOFITKIT WITH WHITE TRIM, WHITE FLANGE WITH SEMI-SPECULAR FINISH	LITHONIA	LDNRV	277		0-10V DIM; 3000L; 3500K CCT; 80 CRI				
L3	10" RECESSED LED DOWNLIGHT RETROFIT KIT WITH WHITE TRIM, WHITE FLANGE WITH SEMI-SPECULAR FINISH	LITHONIA	LDNRV	277		0-10V DIM; 5000L; 3500K CCT; 80 CRI				
L4	31.5" DIA X 9.8"H ACOUSTIC PENDANT IN BUZZITREVIRA CS FABRIC IN HAZY ORANGE #9404, HAZY PISTACHE #9702, HAZY BLUE #9601, HAZY YELLOW #9309, AND OCEAN #6091	BUZZI SPACE	BUZZI DOME	277			PROVIDE 78" CABLING FOR CEILING SUSPENSION			
L5	8.25" DIA X 7.3"H BAMBOO FIBER AND POLYPROPOLENE PVC CORD PENDANT; WHITE FINISH.	Μυυτο	GRAIN PENDANT LAMP	277			MOUNT 7'-0" AFF OR 6'-8", BOTTOM OF FIXTURE. REFER TO ARCHITECTURAL PLAN FOR MORE INFORMATION.			
L6	39" (MEDIUM) ROUND ACOUSTIC LIGHT FIXTURE WITH MILKY DIFFUSER, UGFR 22 WITH 3D DROP PATTERN, FABRIC TO BE BUZZITREVIRA IN HAZY YELLOW #9309	BUZZI SPACE	BUZZI MOON ROUND	277			MOUNT BOTTOM OF FIXTURE 15'-4" AFF			
L7	6" SLOT, FLUSH LENSED, RECESSED LINEAR FOR GYPSUM CEILING MOUNTING	MARK ARCHITECTURAL LIGHTING	SLOT 6 LED	277		0-10V DIM; 600L/FT; 3500K CCT; 80 CRI	PROVIDE CONTINUOUS LENGTHS AS SHOWN ON PLANS			

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120	V SINGLI	E-PHASE		JIT LE	NGTH	TABL	Ε		
BREAKER AMPACITY	MAX. CIRCUIT CURRENT	MAX. CIRCUIT LOAD	MAXIMUM LENGTH IN FEET						
(AMPS)	(AMPS)	(VA)	#12AWG	#10AWG	#8AWG	#6AWG	#4		
20	4	480	220	349	556	882			
	8	960	110	174	278	441			
	12	1440	73	116	185	294			
	16	1920	55	87	139	221			
30	24	2880	-	58	93	147			
40	32	3840	-	-	70	110			
50	40	4800	-	-	-	88			
60	48	5760	-	-	-	-			

r						
208	<b>V SINGLI</b>	E-PHASE	CIRCI	JIT LE	NGTH	TABL
BREAKER AMPACITY	MAX. CIRCUIT CURRENT	MAX. CIRCUIT LOAD		MAXIMU	JM LENGTH	IN FEET
(AMPS)	(AMPS)	(VA)	#12AWG	#10AWG	#8AWG	#6AWG
20	4	832	380	605	964	-
	8	1664	190	302	482	765
	12	2496	127	202	321	510
	16	3328	95	151	241	382
30	24	4992	-	101	161	255
40	32	6656	-	-	121	191
50	40	8320	-	-	_	153
60	48	9984	-	-	-	-

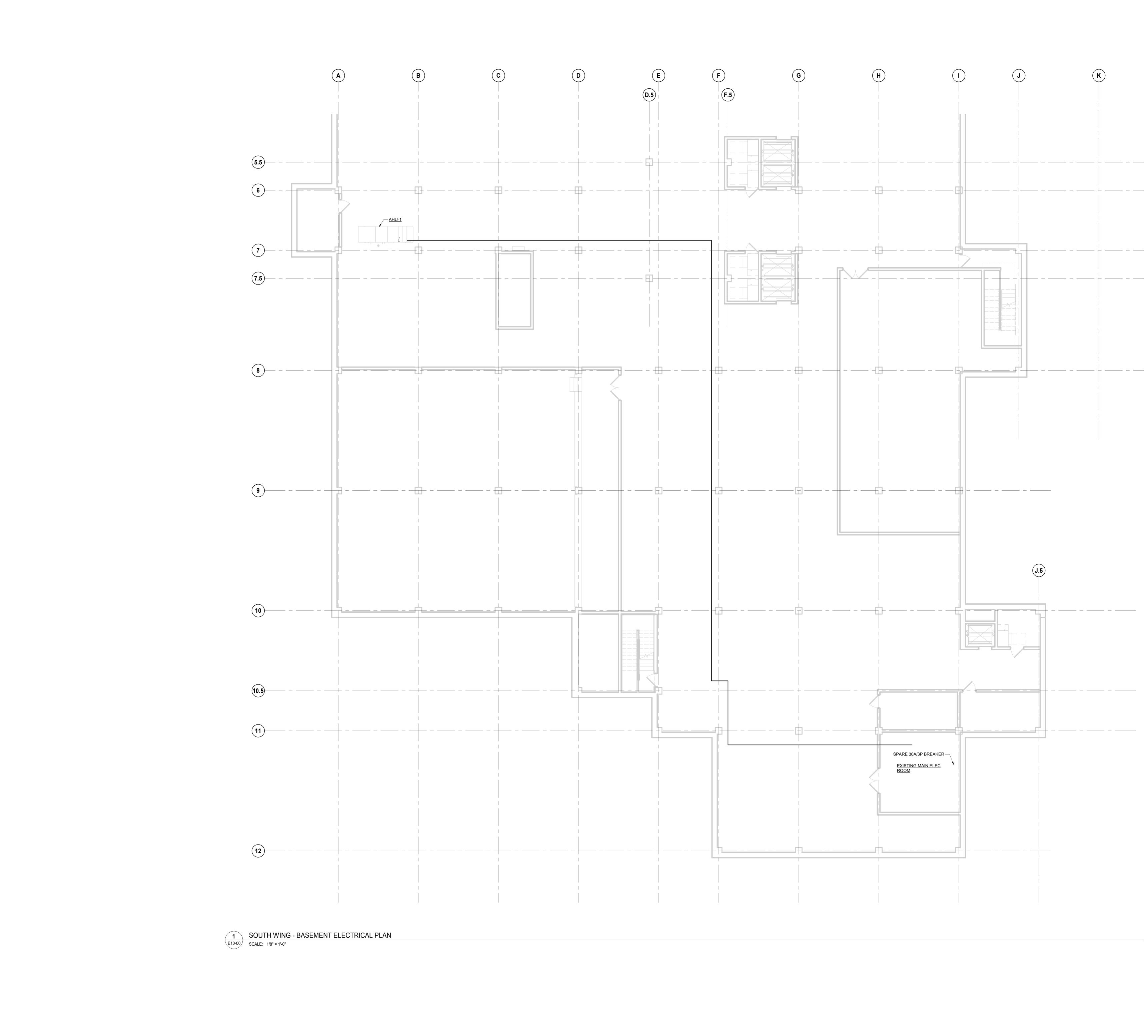
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	467						
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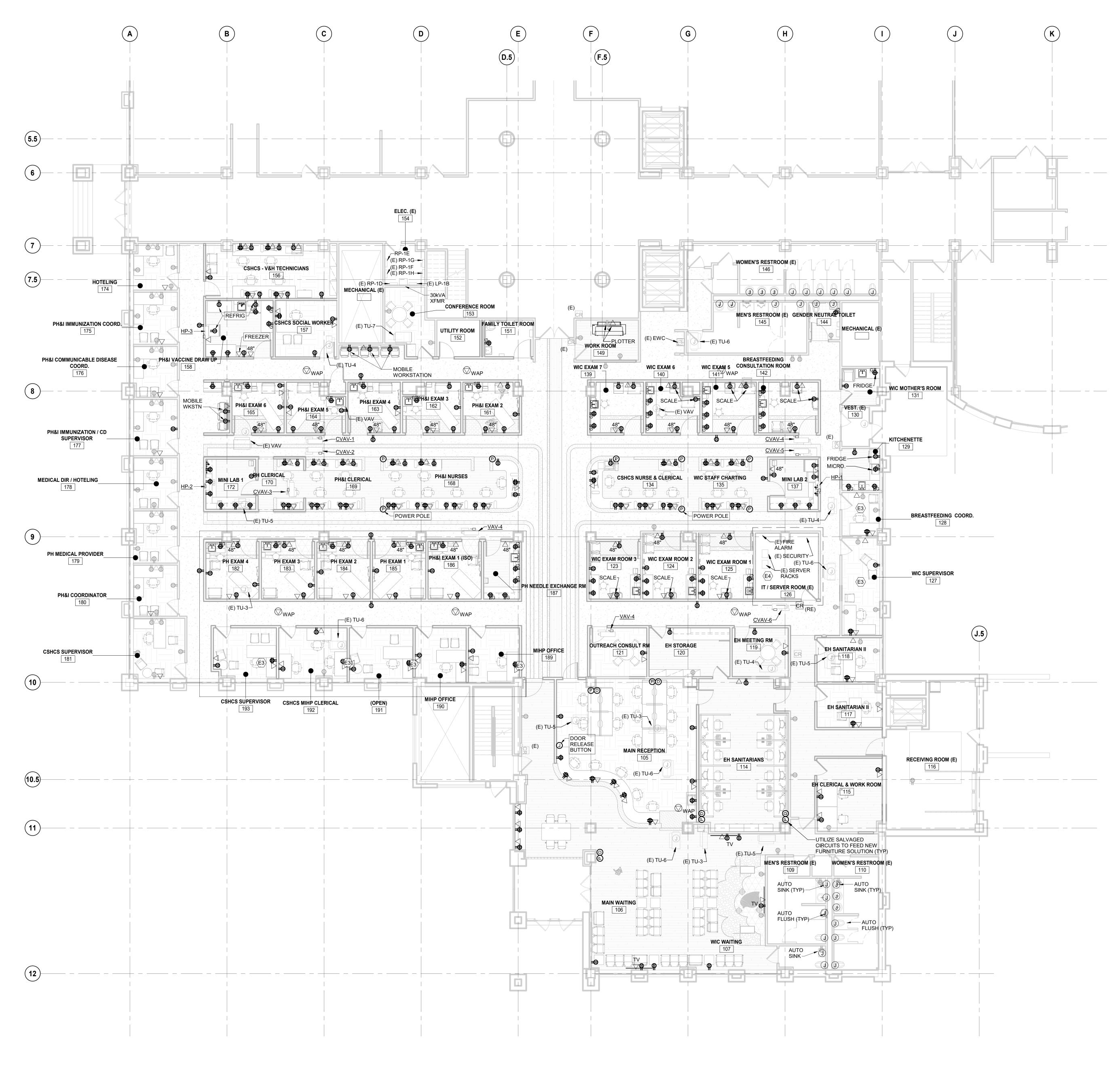
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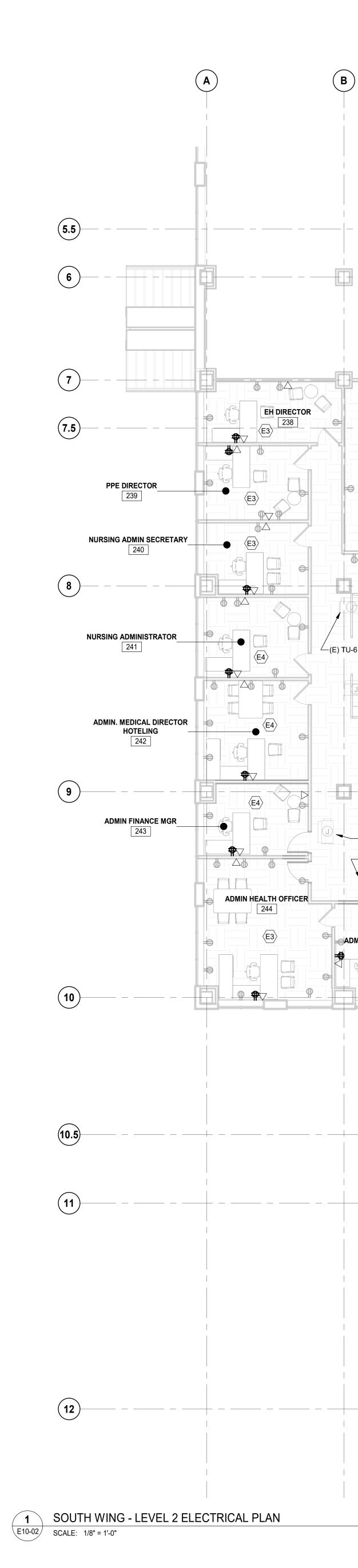


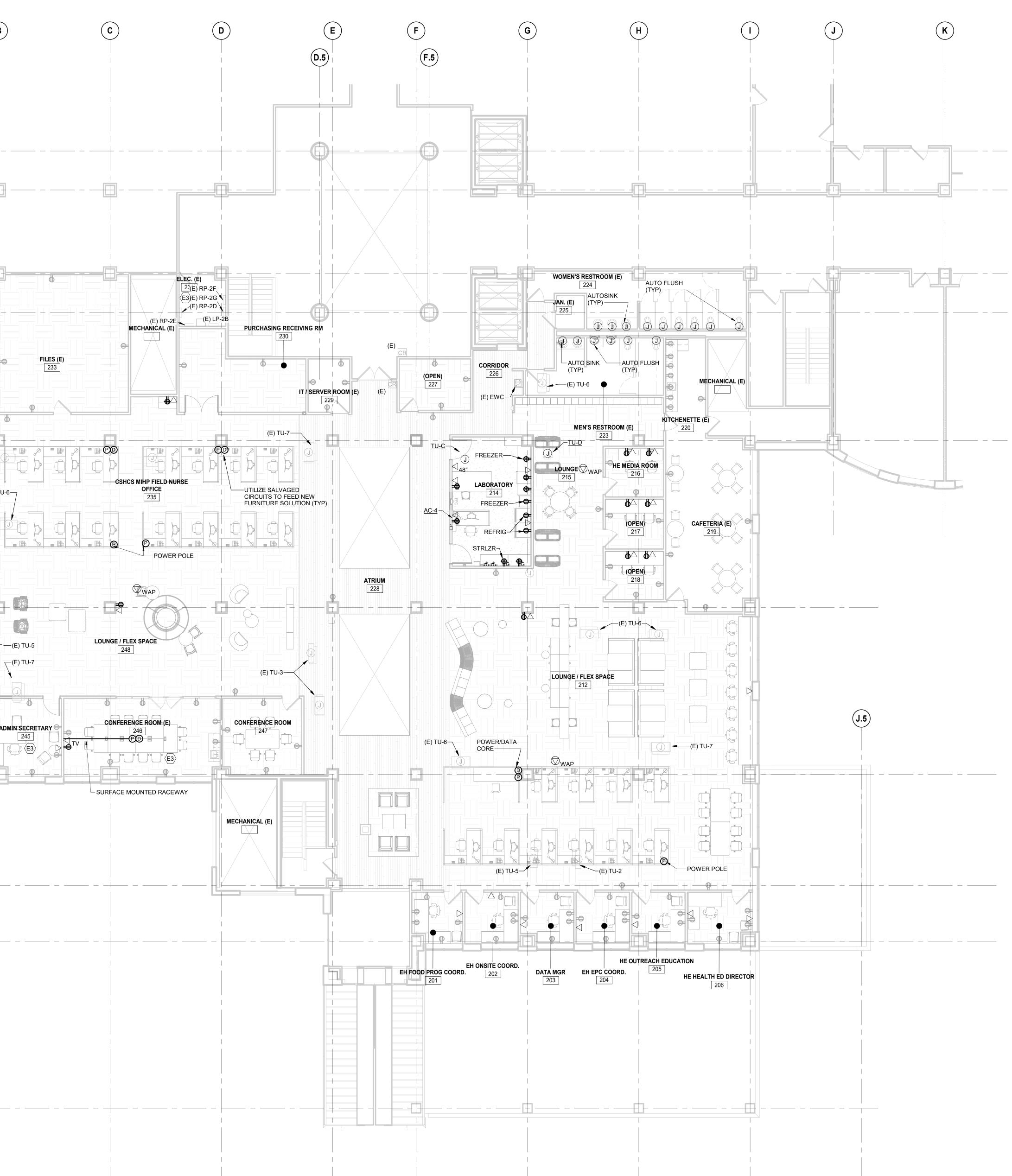
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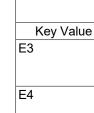
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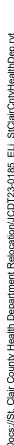


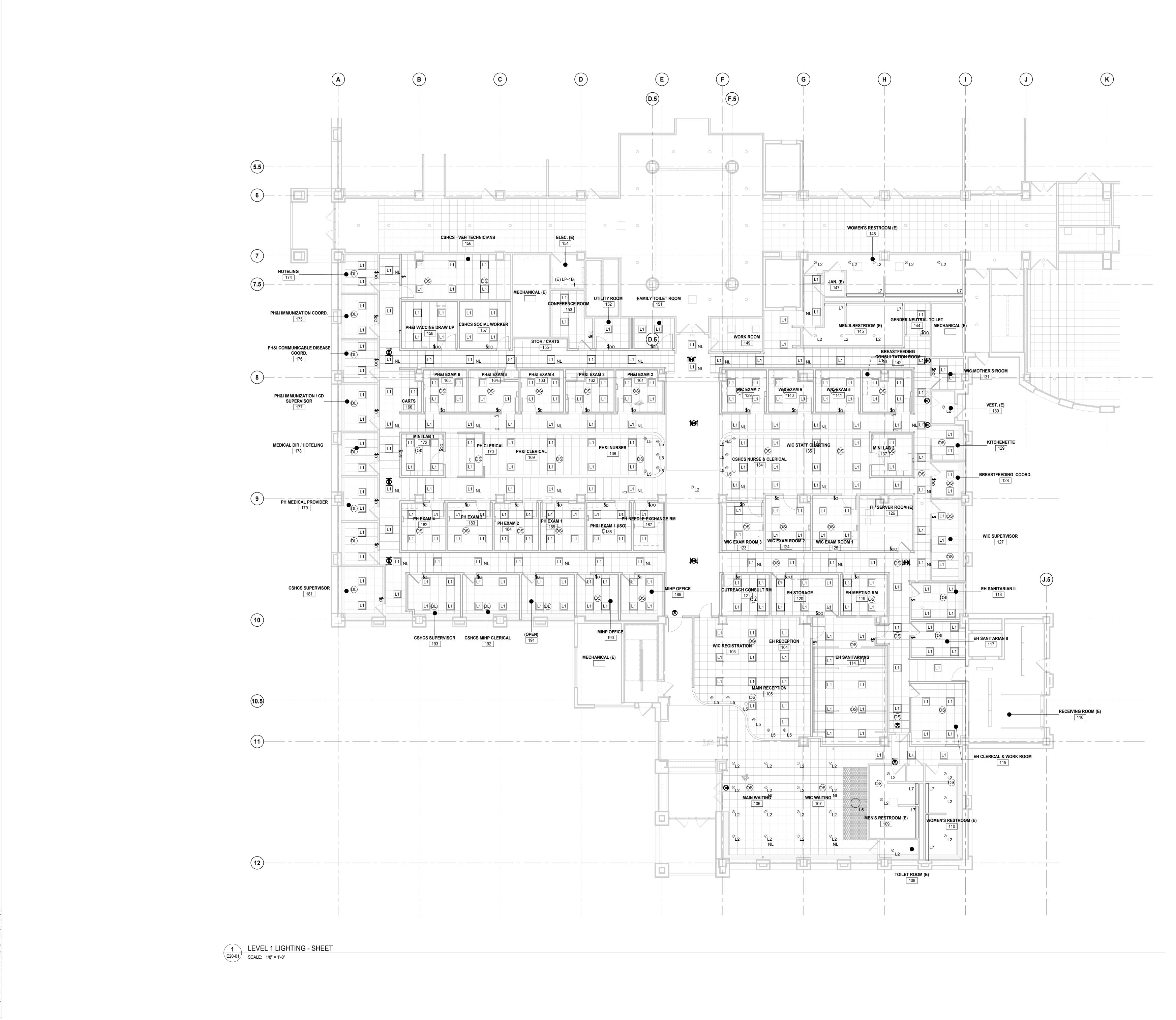






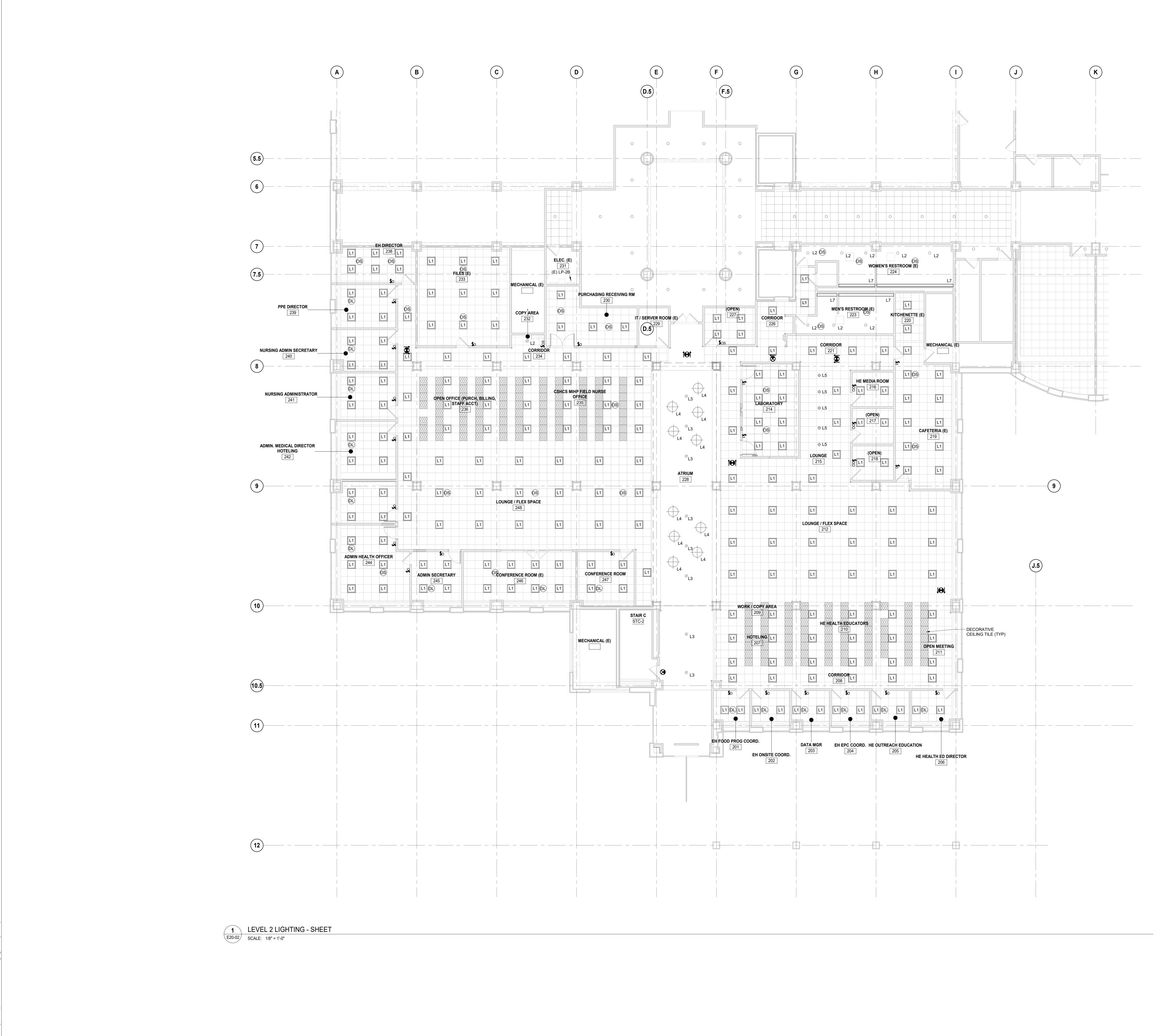
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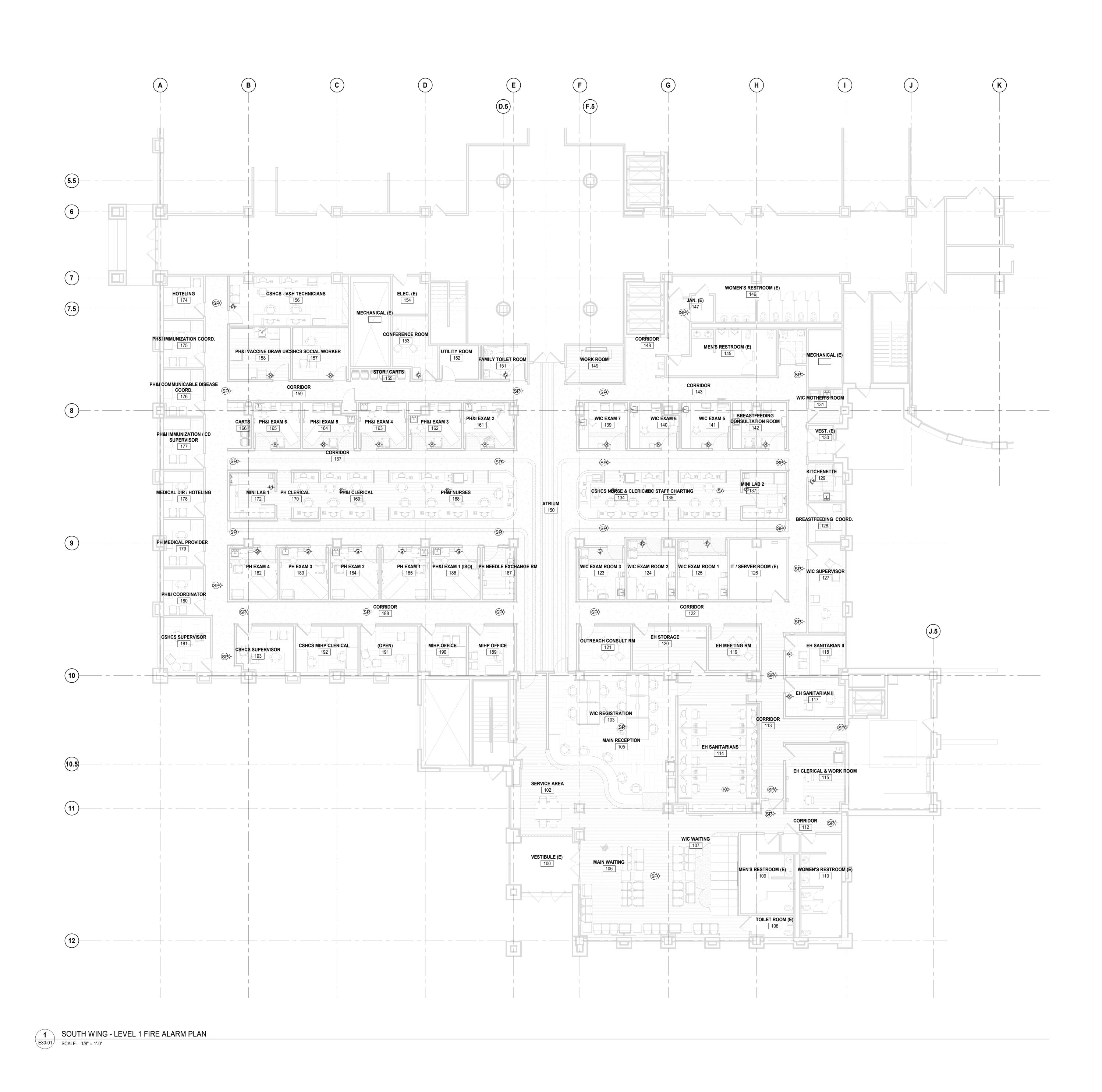
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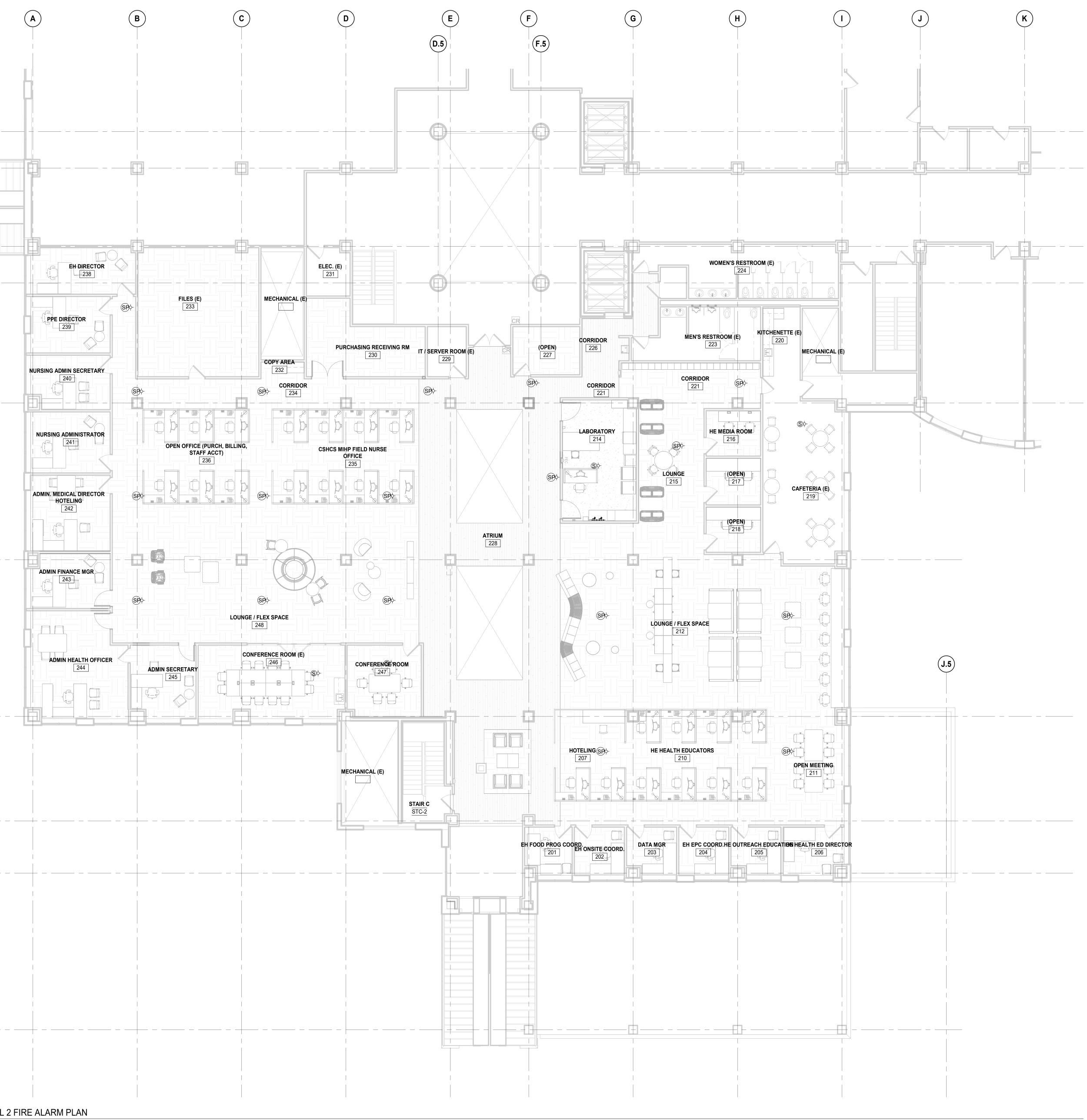


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## Branch Panel: (E) RP-1D Location: ELEC. (E) 154 Supply From:

Mounting: Surface Enclosure: Type 1

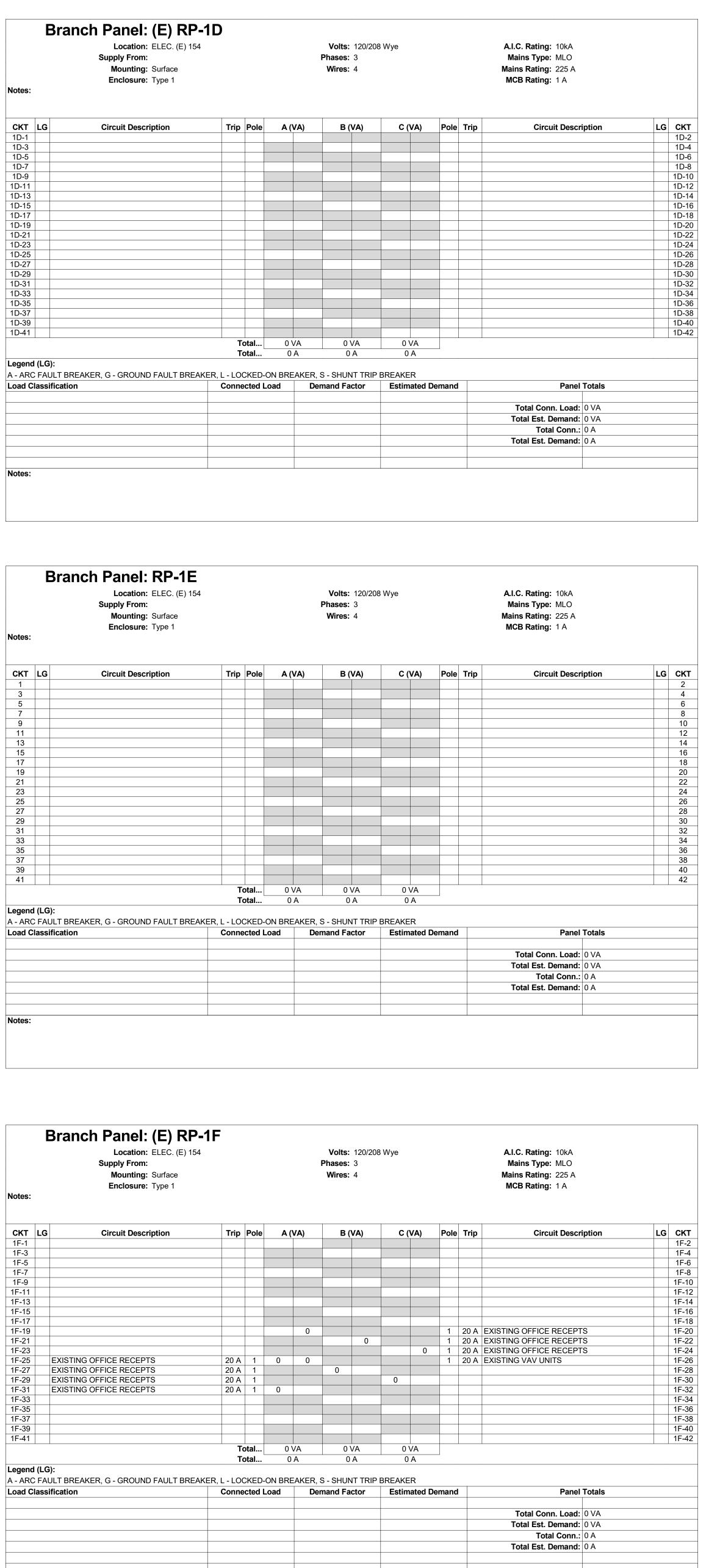
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1D-1		
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1D-41		

Load Classification

	E	Branch Panel: RP-1E
		Location: ELEC. (E) 154
		Supply From:
		Mounting: Surface
Notes:		Enclosure: Type 1
СКТ	LG	Circuit Description
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Legend	•	i <b>):</b> JLT BREAKER, G - GROUND FAULT BREAKE
		ification
Notes:		

	E	Branch Panel: (E) RP-1 Location: ELEC. (E) 154 Supply From:
		Mounting: Surface
		Enclosure: Type 1
es:		
KT	LG	Circuit Description
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Legend (LG):	
A - ARC FAULT BREAKER, G - GROUND FAULT BREAK	ER, L - LOCK
Load Classification	Connect



	Location: ELEC. (E) 154	IG				lts: 120/2	08 Wye				A.I.C. Rating: 10kA		
	Supply From: Mounting: Surface					<b>es:</b> 3 res: 4					Mains Type: MLO Mains Rating: 225 A		
es:	Enclosure: Type 1										MCB Rating: 1 A		
T LG	Circuit Description	Trip	Pole	A (VA		B (VA)	C	(VA)	Pole	Trip	Circuit Descrip	otion	LG CH
1 3					)				FUIE				1G
-5 -7 -9													1G 1G 1G-
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9	<b>Ich Panel: (E) LP-1</b> Location: ELEC. (E) 154 Supply From: Mounting: Surface Enclosure: Type 1	To ER, L - LOO Conne	otal	0 A	Demand Vo Phas Wi	0 A HUNT TRI I Factor	P BREAK	D A ER mated D			Total Conn. Load:       0         Total Est. Demand:       0         Total Conn.:       0         Total Est. Demand:       0         A.I.C. Rating:       14kA         Mains Type:       MLO         Mains Rating:       125 A         MCB Rating:       1 A	D VA D VA D A D A	LG CP
9	<b>Ich Panel: (E) LP-1</b> Location: ELEC. (E) 154 Supply From: Mounting: Surface Enclosure: Type 1	To ER, L - LOO Conne	otal	0 A	Demand Vo Phas Wi	0 A HUNT TRI I Factor	P BREAK	D A ER mated D			Total Conn. Load:       0         Total Est. Demand:       0         Total Conn.:       0         Total Est. Demand:       0         A.I.C. Rating:       14kA         Mains Type:       MLO         Mains Rating:       125 A         MCB Rating:       1 A	D VA D VA D A D A	LG CP
9	<b>Ich Panel: (E) LP-1</b> Location: ELEC. (E) 154 Supply From: Mounting: Surface Enclosure: Type 1	To ER, L - LOO Conne	otal	0 A	Demand Vo Phas Wi	0 A HUNT TRI I Factor	P BREAK	D A ER mated D			Total Conn. Load:       0         Total Est. Demand:       0         Total Conn.:       0         Total Est. Demand:       0         A.I.C. Rating:       14kA         Mains Type:       MLO         Mains Rating:       125 A         MCB Rating:       1 A	D VA D VA D A D A	Image:
9	<b>Ich Panel: (E) LP-1</b> Location: ELEC. (E) 154 Supply From: Mounting: Surface Enclosure: Type 1	To ER, L - LOO Conne	otal	0 A	Demand	0 A HUNT TRI I Factor	P BREAK	D A ER mated D			Total Conn. Load:       0         Total Est. Demand:       0         Total Conn.:       0         Total Est. Demand:       0         A.I.C. Rating:       14kA         Mains Type:       MLO         Mains Rating:       125 A         MCB Rating:       1 A	D VA D VA D A D A	Image:
9	<b>Ich Panel: (E) LP-1</b> Location: ELEC. (E) 154 Supply From: Mounting: Surface Enclosure: Type 1	To ER, L - LOO Conne	otal	0 A	Demand	0 A HUNT TRI I Factor	P BREAK	D A ER mated D			Total Conn. Load:       0         Total Est. Demand:       0         Total Conn.:       0         Total Est. Demand:       0         A.I.C. Rating:       14kA         Mains Type:       MLO         Mains Rating:       125 A         MCB Rating:       1 A	D VA D VA D A D A	LG CI LG CI LG CI LG CI 1H 1H 1H 1H 1H 1H 1H 1H 1H 1H
9	<b>Ich Panel: (E) LP-1</b> Location: ELEC. (E) 154 Supply From: Mounting: Surface Enclosure: Type 1	To ER, L - LOO Conne	otal	0 A	Demand	0 A HUNT TRI I Factor	P BREAK	D A ER mated D			Total Conn. Load:       0         Total Est. Demand:       0         Total Conn.:       0         Total Est. Demand:       0         A.I.C. Rating:       14kA         Mains Type:       MLO         Mains Rating:       125 A         MCB Rating:       1 A	D VA D VA D A D A	LG CI LG CI 1H 1H 1H 1H 1H 1H 1H 1H 1H 1H
9	<b>Ich Panel: (E) LP-1</b> Location: ELEC. (E) 154 Supply From: Mounting: Surface Enclosure: Type 1	To ER, L - LOO Conne	otal	0 A	Demand	0 A HUNT TRI I Factor	P BREAK	D A ER mated D			Total Conn. Load:       0         Total Est. Demand:       0         Total Conn.:       0         Total Est. Demand:       0         A.I.C. Rating:       14kA         Mains Type:       MLO         Mains Rating:       125 A         MCB Rating:       1 A	D VA D VA D A D A	LG C LG C 1H 1H 1H 1H 1H 1H 1H 1H 1H 1H
P	<b>Ich Panel: (E) LP-1</b> Location: ELEC. (E) 154 Supply From: Mounting: Surface Enclosure: Type 1	Trip B Trip Trip Trip Trip Trip Trip Trip Trip Trip Trip Trip Trip Trip Trip	otal	0 A	Demand	0 A HUNT TRI I Factor	P BREAK         Estir         -	D A ER mated D			Total Conn. Load:       0         Total Est. Demand:       0         Total Conn.:       0         Total Est. Demand:       0         A.I.C. Rating:       14kA         Mains Type:       MLO         Mains Rating:       125 A         MCB Rating:       1 A	D VA D VA D A D A	LG C LG C LG C H H H H H H H H H H H H H

	Location: ELEC. (E) 154					Volts: Phases:	120/208	8 Wye				A.I.C. Rating: 10kA	
	Supply From: Mounting: Surface					Phases: Wires:						Mains Type: MLO Mains Rating: 225 A	
es:	Enclosure: Type 1											MCB Rating: 1 A	
T LG	Circuit Description	Trip	Pole	Α(	(VA)	В (	VA)	C (	VA)	Pole	Trip	Circuit Description	LG CI
1 3 5													10 10 10
-5 -7 -9													10 10
11													1G 1G
15 17 19													1G 1G 1G
21 23													1G
25 27 29													1G 1G 1G
31 33													1G
35 37 39													1G 1G 1G
1		T	otal	0	VA	0	VA	0 \	VA				10 10
nd (LG):			otal		) A		A	0					
RC FAULT BRE Classification	EAKER, G - GROUND FAULT BREAKE 1	R, L - LOO Conne			1	S - SHUN emand Fa		-	R ated De	emand		Panel Totals	
												Total Conn. Load: 0 VA Total Est. Demand: 0 VA	
												Total Conn.: 0 A Total Est. Demand: 0 A	
:	Location: ELEC. (E) 154 Supply From: Mounting: Surface Enclosure: Type 1					Volts: Phases: Wires:		3 Wye				A.I.C. Rating: 10kA Mains Type: MLO Mains Rating: 225 A MCB Rating: 1 A	
LG	Circuit Description	Trip	Pole	Α(	(VA)	В (	VA)	C ('	VA)	Pole	Trip	Circuit Description	LG C
5 7 9													1F 1F 1H
1 3													1H 1H
5 7 9													1H 1H 1H
21 23 25													1H 1H 1H
7													1H
9													1H 1H 1H
9 1 3													
9 1 3 5 7 9													1H
9 1 3 5 7 9			otal		VA	0,0		0					1H
9 1 1 5 7 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	EAKER, G - GROUND FAULT BREAKE	Т	otal	0	A	0	A	0	A				1H 1H
9		Т	o <b>tal</b> CKED	0 -ON BRI	) A EAKER,	0	A IT TRIP	0 BREAKE	A	emand		Panel Totals	1H 1H
9 1 3 5 5 7 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		<b>T</b> ( R, L - LO	o <b>tal</b> CKED	0 -ON BRI	) A EAKER,	0 S - SHUN	A IT TRIP	0 BREAKE	A R	emand		Total Conn. Load: 0 VA Total Est. Demand: 0 VA	1H 1H
9 1 1 3 5 7 9 1 1 1 nd (LG): RC FAULT BRE		<b>T</b> ( R, L - LO	o <b>tal</b> CKED	0 -ON BRI	) A EAKER,	0 S - SHUN	A IT TRIP	0 BREAKE	A R	emand		Total Conn. Load: 0 VA	1F
9		<b>T</b> ( R, L - LO	o <b>tal</b> CKED	0 -ON BRI	) A EAKER,	0 S - SHUN	A IT TRIP	0 BREAKE	A R	emand		Total Conn. Load:0 VATotal Est. Demand:0 VATotal Conn.:0 A	1F
2)	nch Panel: (E) LP-1	Te ER, L - LOO Conne	o <b>tal</b> CKED	0 -ON BRI	) A EAKER,	S - SHUN	A IT TRIP ctor	BREAKE	A R	emand		Total Conn. Load:       0 VA         Total Est. Demand:       0 VA         Total Conn.:       0 A         Total Est. Demand:       0 A         Image: Control I i i i i i i i i i i i i i i i i i i	1F
Pain       Pain         1       Pain         3       Pain         3       Pain         7       Pain         9       Pain         1       Pain	<b>The Supply From:</b> Mounting: Surface Enclosure: Type 1	Te ER, L - LOO Conne	o <b>tal</b> CKED	0 -ON BRI	) A EAKER,	S - SHUN	A IT TRIP ctor 	BREAKE	A R			Total Conn. Load:       0 VA         Total Est. Demand:       0 VA         Total Est. Demand:       0 A         Total Est. Demand:       0 A         A.I.C. Rating:       14kA         Mains Type:       MLO         Mains Rating:       125 A         MCB Rating:       1 A	
9 9 1 1 1 3 5 7 9 1 1 7 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1	n <b>TCh Panel: (E) LP-1</b> Location: ELEC. (E) 154 Supply From: Mounting: Surface	Te ER, L - LOO Conne	otal CKED	-ON BRI	) A EAKER,	Volts: Phases: Wires:	A IT TRIP ctor 	0 BREAKE Estim	A R	emand	Trip	Total Conn. Load:       0 VA         Total Est. Demand:       0 VA         Total Conn.:       0 A         Total Est. Demand:       0 A         Image: Contract Content Contrect Contrect Contract Contract Contract Content Contrel	
9 9 1 1 1 3 5 7 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<b>The Supply From:</b> Mounting: Surface Enclosure: Type 1	B	otal CKED	-ON BRI	A EAKER, De	Volts: Phases: Wires:	A IT TRIP ctor 480/277 3 4	0 BREAKE Estim	A R ated De		Trip	Total Conn. Load:       0 VA         Total Est. Demand:       0 VA         Total Est. Demand:       0 A         Total Est. Demand:       0 A         A.I.C. Rating:       14kA         Mains Type:       MLO         Mains Rating:       125 A         MCB Rating:       1 A	LG CI
9 9 1 1 1 3 5 7 9 1 1 7 9 1 1 7 9 1 1 7 9 1 1 1 1 1 1	<b>The Supply From:</b> Mounting: Surface Enclosure: Type 1	B	otal CKED	-ON BRI	A EAKER, De	Volts: Phases: Wires:	A IT TRIP ctor 480/277 3 4	0 BREAKE Estim	A R ated De		Trip	Total Conn. Load:       0 VA         Total Est. Demand:       0 VA         Total Est. Demand:       0 A         Total Est. Demand:       0 A         A.I.C. Rating:       14kA         Mains Type:       MLO         Mains Rating:       125 A         MCB Rating:       1 A	LG C LG C LG L LG L L LG L LG L L LG L LG L LG L LG L L L L L L L L L L L L L L
9 9 9 1 1 1 3 5 7 9 9 1 1 7 9 1 1 7 9 1 1 1 1 1 1 1 1 1	<b>The Supply From:</b> Mounting: Surface Enclosure: Type 1	B	otal CKED	-ON BRI	A EAKER, De	Volts: Phases: Wires:	A IT TRIP ctor 480/277 3 4	0 BREAKE Estim	A R ated De		Trip	Total Conn. Load:       0 VA         Total Est. Demand:       0 VA         Total Est. Demand:       0 A         Total Est. Demand:       0 A         A.I.C. Rating:       14kA         Mains Type:       MLO         Mains Rating:       125 A         MCB Rating:       1 A	LG C 1H 1H 1H 1H 1H 1H 1H 1H 1H 1H
9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<b>The Supply From:</b> Mounting: Surface Enclosure: Type 1	B	otal CKED	-ON BRI	A EAKER, De	Volts: Phases: Wires:	A IT TRIP ctor 480/277 3 4	0 BREAKE Estim	A R ated De		Trip	Total Conn. Load:       0 VA         Total Est. Demand:       0 VA         Total Est. Demand:       0 A         Total Est. Demand:       0 A         A.I.C. Rating:       14kA         Mains Type:       MLO         Mains Rating:       125 A         MCB Rating:       1 A	LG C
9	<b>The Supply From:</b> Mounting: Surface Enclosure: Type 1	B	otal CKED	-ON BRI	A EAKER, De	Volts: Phases: Wires:	A IT TRIP ctor 480/277 3 4	0 BREAKE Estim	A R ated De		Trip	Total Conn. Load:       0 VA         Total Est. Demand:       0 VA         Total Est. Demand:       0 A         Total Est. Demand:       0 A         A.I.C. Rating:       14kA         Mains Type:       MLO         Mains Rating:       125 A         MCB Rating:       1 A	LG C LG C 11 11 11 11 11 11 11 11 11 1
9	<b>The Supply From:</b> Mounting: Surface Enclosure: Type 1	B	otal CKED	-ON BRI	A EAKER, De	Volts: Phases: Wires:	A IT TRIP ctor 480/277 3 4	0 BREAKE Estim	A R ated De		Trip	Total Conn. Load:       0 VA         Total Est. Demand:       0 VA         Total Est. Demand:       0 A         Total Est. Demand:       0 A         A.I.C. Rating:       14kA         Mains Type:       MLO         Mains Rating:       125 A         MCB Rating:       1 A	LG C LG C 1H 1H 1H 1H 1H 1H 1H 1H 1H 1H
9	<b>The Supply From:</b> Mounting: Surface Enclosure: Type 1	B	otal CKED	-ON BRI	A EAKER, De	Volts: Phases: Wires:	A IT TRIP ctor 480/277 3 4	0 BREAKE Estim	A R ated De		Trip	Total Conn. Load:       0 VA         Total Est. Demand:       0 VA         Total Est. Demand:       0 A         Total Est. Demand:       0 A         A.I.C. Rating:       14kA         Mains Type:       MLO         Mains Rating:       125 A         MCB Rating:       1 A	LG C LG C 1H 1H 1H 1H 1H 1H 1H 1H 1H 1H
9	<b>The Supply From:</b> Mounting: Surface Enclosure: Type 1	B	otal CKED	-ON BRI	A EAKER, De	Volts: Phases: Wires:	A IT TRIP ctor 480/277 3 4	0 BREAKE Estim	A R ated De		Trip	Total Conn. Load:       0 VA         Total Est. Demand:       0 VA         Total Est. Demand:       0 A         Total Est. Demand:       0 A         A.I.C. Rating:       14kA         Mains Type:       MLO         Mains Rating:       125 A         MCB Rating:       1 A	LG C LG C 1H 1H 1H 1H 1H 1H 1H 1H 1H 1H

	Location: ELEC. (E) 154				、	Volts: 120/2	08 Wve			A.I.C. Rating: 10kA			
	Supply From: Mounting: Surface				Ph	ases: 3 Vires: 4				Mains Type: MLO Mains Rating: 225 A			
s:	Enclosure: Type 1				•					MCB Rating: 1 A			
<b>F LG</b>	Circuit Description	Trip	Pole	A (VA	N)	B (VA)	C (VA)	Pole	Trip	Circuit Descr	iption	LG	10
3 5 7 7													10 10 10
9													10
3 5 7													1C 1C 1C
9 21													1G 1G
23 25 27													10 10 10
29 31													10
33 35 37													10 10 10
37 39 11					_								10
			otal otal	0 VA 0 A		0 VA 0 A	0 VA 0 A						
nd (LG): RC FAULT BRE Classification	AKER, G - GROUND FAULT BREAKE	R, L - LOC				SHUNT TRI nd Factor	P BREAKER	Domond		Donal	Totolo		
Classification		Connee	ctea Lo		Dema	nd Factor	Estimated	Demand		Total Conn. Load:	Totals		
										Total Est. Demand: Total Conn.:	0 VA		
										Total Est. Demand:	0 A		
<b>;</b>													
	Location: ELEC. (E) 154 Supply From: Mounting: Surface Enclosure: Type 1				Pha	Volts: 120/2 ases: 3 Vires: 4				A.I.C. Rating: 10kA Mains Type: MLO Mains Rating: 225 A MCB Rating: 1 A			
LG	Circuit Description	Trip	Pole	A (VA	N)	B (VA)	C (VA)	Pole	Trip	Circuit Descr	iption	LG	1
<u>}</u>					_								1 1 1
) 1													1  1
3 5 7 7													1H 1H 1H
9													1F 1F
.1								_					1H 1H
1 3 5													
1 3 5 7 9 1													1
1													1 1 1 1 1
1													1  1  1  1  1  1
1			ptal	A 0		0 VA 0 A	0 VA 0 A						1 1 1 1 1 1
1	AKER, G - GROUND FAULT BREAKE	То	otal	0 A ON BREA	KER, S -	0 A	0 A	Demand		Panel	Totals		1  1  1  1  1  1
1		To R, L - LOC	otal	0 A ON BREA	KER, S -	0 A SHUNT TRI	0 A P BREAKER	Demand		Total Conn. Load:	0 VA		1  1  1  1  1  1
1		To R, L - LOC	otal	0 A ON BREA	KER, S -	0 A SHUNT TRI	0 A P BREAKER	Demand		Total Conn. Load: Total Est. Demand: Total Conn.:	0 VA 0 VA 0 A		1 1 1 1 1 1
1		To R, L - LOC	otal	0 A ON BREA	KER, S -	0 A SHUNT TRI	0 A P BREAKER	Demand		Total Conn. Load: Total Est. Demand:	0 VA 0 VA 0 A		1 1 1 1 1 1
1		To R, L - LOC	otal	0 A ON BREA	KER, S -	0 A SHUNT TRI	0 A P BREAKER	Demand		Total Conn. Load: Total Est. Demand: Total Conn.:	0 VA 0 VA 0 A		1 1 1 1 1 1
1		To R, L - LOC	otal	0 A ON BREA	KER, S -	0 A SHUNT TRI	0 A P BREAKER			Total Conn. Load: Total Est. Demand: Total Conn.:	0 VA 0 VA 0 A		1  1  1  1  1  1
1		To ER, L - LOC Connec	otal	0 A ON BREA	KER, S - Demai	0 A SHUNT TRI	0 A P BREAKER Estimated			Total Conn. Load: Total Est. Demand: Total Conn.:	0 VA 0 VA 0 A		11 11 11 11 11 11 11
1	Ch Panel: (E) LP-1 Location: ELEC. (E) 154 Supply From: Mounting: Surface	To ER, L - LOC Connec	otal	0 A ON BREA	KER, S - Demai	0 A SHUNT TRI nd Factor	0 A P BREAKER Estimated			Total Conn. Load: Total Est. Demand: Total Conn.: Total Est. Demand: Al.C. Rating: 14kA Mains Type: MLO Mains Rating: 125 A	0 VA 0 VA 0 A		1  1  1  1  1  1
1	Ch Panel: (E) LP-1 Location: ELEC. (E) 154 Supply From: Mounting: Surface	To ER, L - LOC Connec	otal	0 A ON BREA	KER, S - Demar	0 A SHUNT TRI nd Factor	0 A P BREAKER Estimated		Trip	Total Conn. Load: Total Est. Demand: Total Conn.: Total Est. Demand: Al.C. Rating: 14kA Mains Type: MLO Mains Rating: 125 A	0 VA 0 VA 0 A 0 A		
1	Ch Panel: (E) LP-1 Location: ELEC. (E) 154 Supply From: Mounting: Surface Enclosure: Type 1	B	otal	0 A DN BREA Dad	KER, S - Demar	0 A SHUNT TRI nd Factor	0 A P BREAKER Estimated		Trip	Total Conn. Load:         Total Est. Demand:         Total Conn.:         Total Est. Demand:    Al.C. Rating: 14kA Mains Type: MLO Mains Rating: 125 A MCB Rating: 1 A	0 VA 0 VA 0 A 0 A		11         11
1	Ch Panel: (E) LP-1 Location: ELEC. (E) 154 Supply From: Mounting: Surface Enclosure: Type 1	B	otal	0 A DN BREA Dad	KER, S - Demar	0 A SHUNT TRI nd Factor	0 A P BREAKER Estimated		Trip	Total Conn. Load:         Total Est. Demand:         Total Conn.:         Total Est. Demand:    Al.C. Rating: 14kA Mains Type: MLO Mains Rating: 125 A MCB Rating: 1 A	0 VA 0 VA 0 A 0 A		11         11
1	Ch Panel: (E) LP-1 Location: ELEC. (E) 154 Supply From: Mounting: Surface Enclosure: Type 1	B	otal	0 A DN BREA Dad	KER, S - Demar	0 A SHUNT TRI nd Factor	0 A P BREAKER Estimated		Trip	Total Conn. Load:         Total Est. Demand:         Total Conn.:         Total Est. Demand:    Al.C. Rating: 14kA Mains Type: MLO Mains Rating: 125 A MCB Rating: 1 A	0 VA 0 VA 0 A 0 A		11         12         13         14
1	Ch Panel: (E) LP-1 Location: ELEC. (E) 154 Supply From: Mounting: Surface Enclosure: Type 1	B	otal	0 A DN BREA Dad	KER, S - Demar	0 A SHUNT TRI nd Factor	0 A P BREAKER Estimated		Trip	Total Conn. Load:         Total Est. Demand:         Total Conn.:         Total Est. Demand:    Al.C. Rating: 14kA Mains Type: MLO Mains Rating: 125 A MCB Rating: 1 A	0 VA 0 VA 0 A 0 A		11         12         13
1	Ch Panel: (E) LP-1 Location: ELEC. (E) 154 Supply From: Mounting: Surface Enclosure: Type 1	B	otal	0 A DN BREA Dad	KER, S - Demar	0 A SHUNT TRI nd Factor	0 A P BREAKER Estimated		Trip	Total Conn. Load:         Total Est. Demand:         Total Conn.:         Total Est. Demand:    Al.C. Rating: 14kA Mains Type: MLO Mains Rating: 125 A MCB Rating: 1 A	0 VA 0 VA 0 A 0 A		11         11
1	Ch Panel: (E) LP-1 Location: ELEC. (E) 154 Supply From: Mounting: Surface Enclosure: Type 1	B	otal	0 A DN BREA Dad	KER, S - Demar	0 A SHUNT TRI nd Factor	0 A P BREAKER Estimated		Trip	Total Conn. Load:         Total Est. Demand:         Total Conn.:         Total Est. Demand:    Al.C. Rating: 14kA Mains Type: MLO Mains Rating: 125 A MCB Rating: 1 A	0 VA 0 VA 0 A 0 A		11         11
1	Ch Panel: (E) LP-1 Location: ELEC. (E) 154 Supply From: Mounting: Surface Enclosure: Type 1	B	otal	0 A DN BREA Dad	KER, S - Demar	0 A SHUNT TRI nd Factor	0 A P BREAKER Estimated		Trip	Total Conn. Load:         Total Est. Demand:         Total Conn.:         Total Est. Demand:    Al.C. Rating: 14kA Mains Type: MLO Mains Rating: 125 A MCB Rating: 1 A	0 VA 0 VA 0 A 0 A		11         11
1	Ch Panel: (E) LP-1 Location: ELEC. (E) 154 Supply From: Mounting: Surface Enclosure: Type 1	B	otal	0 A DN BREA Dad	KER, S - Demar	0 A SHUNT TRI nd Factor	0 A P BREAKER Estimated		Trip	Total Conn. Load:         Total Est. Demand:         Total Conn.:         Total Est. Demand:    Al.C. Rating: 14kA Mains Type: MLO Mains Rating: 125 A MCB Rating: 1 A	0 VA 0 VA 0 A 0 A		11       11
1	Ch Panel: (E) LP-1 Location: ELEC. (E) 154 Supply From: Mounting: Surface Enclosure: Type 1	To ER, L - LOC Conned 	otal	0 A DN BREA Dad	KER, S - Demai Demai 	0 A SHUNT TRI nd Factor	0 A P BREAKER Estimated		Trip	Total Conn. Load:         Total Est. Demand:         Total Conn.:         Total Est. Demand:    Al.C. Rating: 14kA Mains Type: MLO Mains Rating: 125 A MCB Rating: 1 A	0 VA 0 VA 0 A 0 A		11       11

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		Total Conn. Load:	0 VA
		Total Est. Demand:	0 VA
		Total Conn.:	0 A
		Total Est. Demand:	0 A
	•		•

	<b>DATE</b> 04-24-2024	ISSL BID/PERMIT	JED FOR	<b>REV</b>
1				
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3				
	County Health	Department and	d solely for the use of St there are no representa	
	of any kind ma	ue by		
			or construction purpose	s until
	Architect or Er	gineer		
	Project Compo	nent		
	Key Plan			
	Consultants Survey: Civil:			
2	Architecture: Structural: Mechanical:			
2	Electrical: Interiors: Landscape:			
	Seal(s)			
	N	DR	R	
_	150 W lef	erson Avenue.,	Suite 1300	
	Detroit, MI, norr.com		Sulle 1500	
	Project Manag	er	Drawn	
	B. Colburn Project Leader		Author Checked Checker	
	<sup>Client</sup> St. Cla	air Coun	ty Health	
		tment	-	
	Drainat			
			ty Health	
1	3415 28th S	treet	elocation	
	Port Huron, 48060 Drawing Title	MI		
	PANE LEVE		DULES -	
		- 1		
	Scale			
	Project No.			
	Drawing No.	JCDT-23		
		E60-0'	<b>]</b> :k - v.2023 - Rev (July/23) - Copyr	

Notes:		Location: ELEC. (E) RP-21 Location: ELEC. (E) 231 Supply From: Mounting: Surface Enclosure: Type 1				Volts: 120/20 Phases: 3 Wires: 4	8 Wye		A.I.C. Rating: 10kA Mains Type: MLO Mains Rating: 225 A MCB Rating: 1 A		
СКТ	LG	Circuit Description	Trip	Pole	A (VA)	B (VA)	C (VA)	Pole Trip	Circuit Descr	iption LG	СКТ
2D-1										•	2D-2
2D-3											2D-
2D-5											2D-0
2D-7											2D-8
2D-9											2D-1
2D-11											2D-1
2D-13											2D-1
2D-15											2D-1
2D-17											2D-1
2D-19											2D-2
2D-21 2D-23											2D-2 2D-2
2D-23 2D-25											2D-2 2D-2
2D-23 2D-27											2D-2
2D-27 2D-29											2D-2
2D-31											2D-3
2D-33											2D-3
2D-35											2D-3
2D-37											2D-3
2D-39											2D-4
2D-41											2D-4
			Т	otal	0 VA	0 VA	0 VA				
				otal	0 A	0 A	0 A				
<b>-egend</b> A - ARC		EAKER, G - GROUND FAULT BREAKER	R, L - LO(	CKED-C	ON BREAK	ER, S - SHUNT TRIP	BREAKER				
.oad C	lassification		Conne	ected Lo	bad	Demand Factor	Estimated I	Demand	Panel	Totals	
									Total Conn. Load:		
									Total Est. Demand:		
									Total Conn.:		
									Total Est. Demand:	0 A	

Location: ELEC. (E) 231 Supply From: Mounting: Surface Enclosure: Type 1				I	Volts: Phases: 3 Wires: 4	3	3 Wye			A.I.C. Rating: 10kA Mains Type: MLO Mains Rating: 225 A MCB Rating: 1 A		
G Circuit Description	Trip	Pole	A (\	/A)	B (V	(A)	C (VA)	Pole	Trip	Circuit Descr	iption LG	СК
•	•					,			•		•	2E-2
												2E-4
												2E-6
												2E-
												2E-1
												2E-1
												2E-2
												2E- 2E-1
												2E-2
												2E-2
		-										2E-2
												2E-2
												2E-2
												2E-3
												2E-3
												2E-3
												2E-3
												2E-3
												2E-4
												2E-4
		otal	0 \		0 V.		0 VA					
<b>G</b> ):		otal	0		0 A		0 A					
AULT BREAKER, G - GROUND FAULT BREAKE		CKED-( ected L			6 - SHUN <sup>⊤</sup> nand Fac		BREAKER Estimated	Demand		Panel	Totals	
										Total Conn. Load:	0 VA	
										Total Est. Demand:		
										Total Conn.:		
										Total Est. Demand:		
												Image: Contract of the second seco

	Branch Panel: (E) RP-2F Location: ELEC. (E) 231 Supply From: Mounting: Surface									
Notes:		Enclosure: Type 1								
СКТ	LG	Circuit Description	Trip	Pole						
2F-1										
2F-3										
2F-5										
2F-7										
2F-9										
2F-11										
2F-13										
2F-15										
2F-17										
2F-19										
2F-21										
2F-23										
2F-25				_						
2F-27										
2F-29										
2F-31										
2F-33										
2F-35				_						
2F-37				_						
2F-39				_						
2F-41										
				Γotal Γotal						
	FAL	): JLT BREAKER, G - GROUND FAULT BREAKE fication	ER, L - L(							
Notes:										

	Location: ELEC. (E) 231 Supply From: Mounting: Surface Enclosure: Type 1				Volts: 120/20 Phases: 3 Wires: 4	8 Wye		A.I.C. Rating: 10kA Mains Type: MLO Mains Rating: 225 A MCB Rating: 1 A			
LG	Circuit Description	Trip Po	ble	A (VA)	B (VA)	C (VA)	Pole	Trip	Circuit Descr	ption LG	скт
	P				_ ( ,	- ( )					2F-2
											2F-4
											2F-6
											2F-8
											2F-10
											2F-12
											2F-14
											2F-16
											2F-18
											2F-20
											2F-22
											2F-24
											2F-26
											2F-28
											2F-30
											2F-32
											2F-34
											2F-36
			_		-						2F-38
											2F-40
											2F-42
		Tota		0 VA	0 VA	0 VA					
		Tota	I	0 A	0 A	0 A					
d (LG)											
	ILT BREAKER, G - GROUND FAULT BREAKER, L										
Classi	fication C	Connecte	ed Load	De	mand Factor	Estimate	d Demand		Panel	Totals	
									Total Conn. Load:	0 VA	
									Total Est. Demand:	0 VA	
									Total Conn.:		
									Total Est. Demand:		

Notes:		
СКТ	LG	
2G-1		
2G-3		
2G-5		
2G-7		
2G-9		
2G-11		
2G-13		
2G-15		
2G-17		
2G-19		
2G-21		
2G-23		
2G-25		
2G-27		
2G-29		
2G-31		
2G-33		
2G-35		
2G-37		
2G-39		
2G-41		
Legend	(LG	):
A - ARC		
Load C		

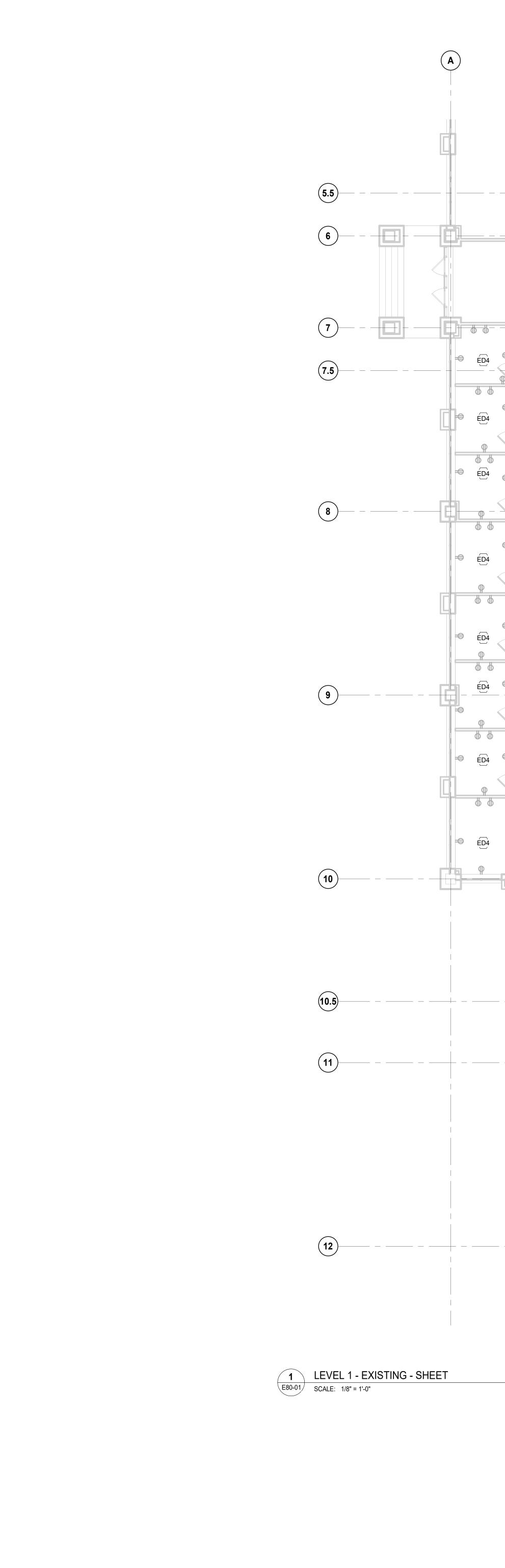
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Brar	<b>Inch Panel: (E) LP</b> Location: ELEC. (E) 23 Supply From: Mounting: Surface Enclosure: Type 1					Volts: 480/27 hases: 3 Wires: 4	7 Wye			A.I.C. Rating: 14kA Mains Type: MLO Mains Rating: 125 A MCB Rating: 1 A			
CKT LG	Circuit Description	Trip	Pole	A (V	A)	B (VA)	C (VA)	Pole	Trip	Circuit Descr	iption	LG	скт
2B-1					.,								2B-2
2B-3													2B-4
2B-5													2B-6
2B-7													2B-8
2B-9													2B-10
2B-11													2B-12
2B-13													2B-14
2B-15													2B-16
2B-17													2B-1
2B-19													2B-2
2B-21													2B-22
2B-23													2B-24
2B-25													2B-26
2B-27													2B-2
2B-29													2B-3
2B-31													2B-3
2B-33													2B-3
2B-35													2B-3
2B-37													2B-3
2B-39													2B-4
2B-41													2B-42
			otal	0 V.		0 VA	0 VA						
		То	otal	0 A	۱	0 A	0 A						
_egend (LG):													
A - ARC FAULT BR	EAKER, G - GROUND FAULT BREA	AKER, L - LOO	CKED-C	ON BREA	AKER, S	- SHUNT TRIP	BREAKER						
oad Classification	1	Conne	ected Lo	oad	Dem	and Factor	Estimated D	Demand		Panel	Totals		
										Total Conn. Load:	Ο. ΜΑ		
										Total Est. Demand:			
										Total Conn.:			
										Total Est. Demand:			
lotes:													

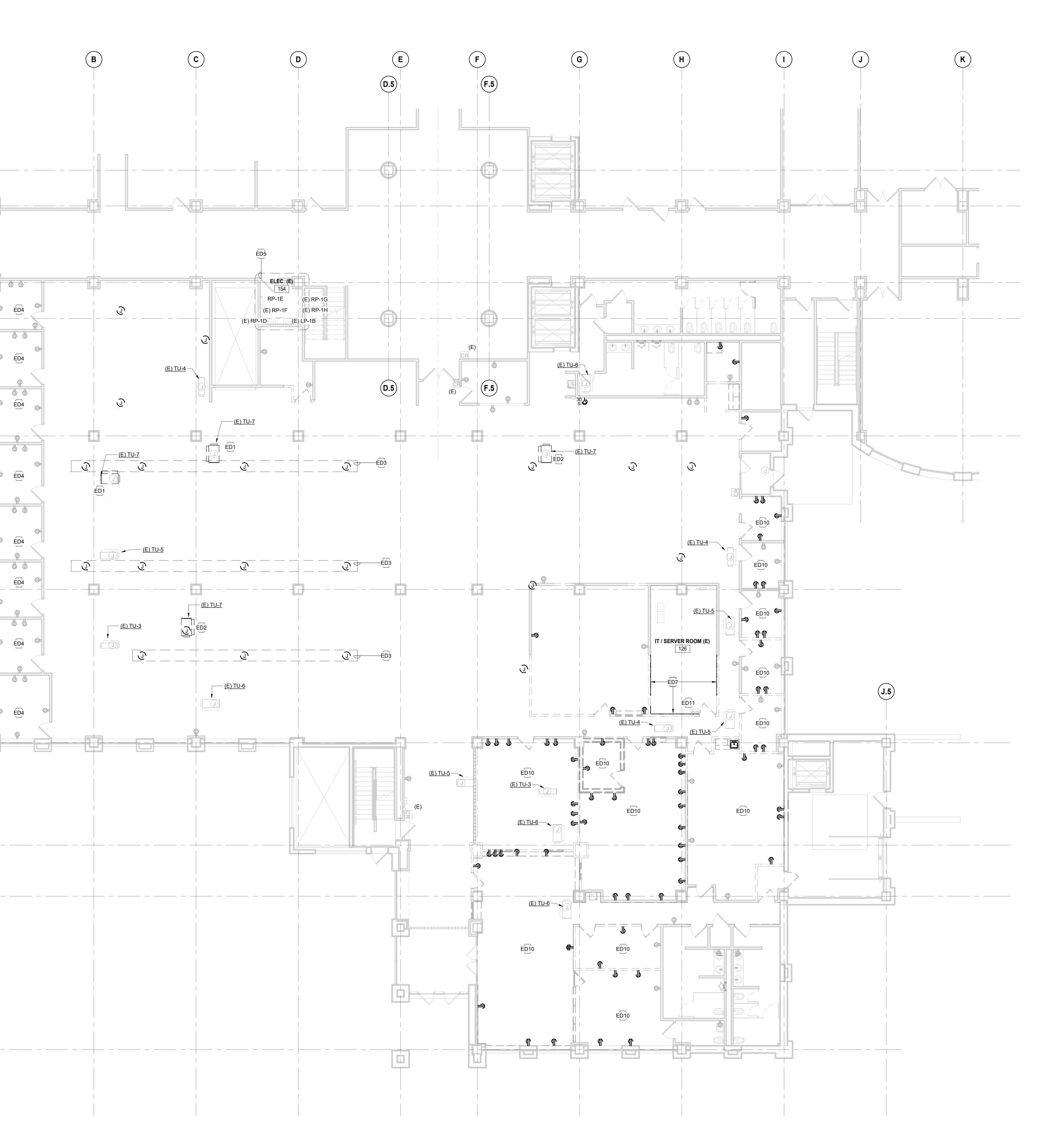
Notes:	anch Panel: (E) RP-2 Location: ELEC. (E) 231 Supply From: Mounting: Surface Enclosure: Type 1	•			Volts: Phases: Wires:	-	8 Wye			A.I.C. Rating: 10kA Mains Type: MLO Mains Rating: 225 A MCB Rating: 1 A		
CKT LG	Circuit Description	Trip	Pole	A (VA)	В (	VA)	C (VA)	Pole	Trip	Circuit Descr	iption LG	скт
2G-1												2G-2
2G-3												2G-4
2G-5												2G-6
2G-7												2G-8
2G-9												2G-10
2G-11								_				2G-12
2G-13												2G-14
2G-15												2G-16
2G-17												2G-18
2G-19 2G-21												2G-20 2G-22
2G-21 2G-23												2G-22
2G-25							-					2G-24
2G-23												2G-20
2G-29												2G-30
2G-31												2G-32
2G-33												2G-34
2G-35												2G-36
2G-37												2G-38
2G-39												2G-40
2G-41												2G-42
		T	otal	0 VA	0	VA	0 VA					
		Т	otal	0 A	0	A	0 A					
Legend (LG):	BREAKER, G - GROUND FAULT BREAKE					חוסד דו						
Load Classifica			ected Lo		Demand Fa		Estimated	Demand		Panel	Totals	
										Total Conn. Load:	0 \/A	
										Total Est. Demand:		
									_	Total Conn.:		
										Total Est. Demand:	UA	

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ED1 ED2

DATE ISS 04-24-2024 BID/PERMIT **KEYNOTE LEGEND - DEMOLITION** Keynote Text Key Value UTILIZE EXISTING CIRCUIT SERVING PERIMETER SPACE TO SERVE ANY RE-LOCATED OR NEW RECEPTACLES. REPLACE EXISTING TO REMAIN DEVICE COVER PLATES WITH NEW TO MATACH NEW DEVICES. EXISTING NETWORK RACKS, SECURITY PANELS, FIRE ALARM PANEL, AND ASSOCIATED CABLING TO REMAIN IN SERVER ROOM. EXISTING TU AND ASSOCIATED POWER TO BE RELOCATED. REFER TO NEW WORK PLANS FOR NEW LOCATION. EXISTING TU AND ASSOCIATED POWER TO BE DEMOLISHED. EXISTING FOR AND ACCOUNTED FOWER TO BE DEMOLICITED. EXISTING POWER POLE CONNECTIONS (3 CIRCUITS EACH ON EITHER PANEL "D", "E", "F", OR "G"). DISCONNECT AND REMOVE POWER POLE AND ASSOCIATED WIRING BACK TO SOURCE. CIRCUITS TO BE REVISED TO SERVE RENOVATED AREA. REFER TO NEW WORK PLANS FOR MORE INFORMATION ED3 INFORMATION. DEVICES IN PERIMETER OFFICE TO REMAIN, UNLESS NEW FURNITURE ARRANGEMENT/REQUIREMENTS DICTATE REARRANGEMENT OF SOME DEVICES. REFER TO NEW WORKPLANS FOR MORE INFORMATION. ED4 EXISTING ELECTRICAL ROOM SERVING SOUTH WING. ED5 IT ROOM TO REDUCE IN SIZE. REMOVE PLYWOOD BACKBOARD, WHERE WALLS ARE DEMOLISHED. ED7 DASHED LINEWORK DEVICES TO BE RELOCATED OR REMOVED. PRESERVE CIRCUIT TO BE RE-USED FOR NEW AND/OR RE-LOCATED DEVICE FOR AREA. REFER TO NEW WORK PLANS FOR MORE ED10 INFORMATION. EXISTING CARD READER TO BE RELOCATED. REFER TO NEW WORK PLANS FOR MORE INFORMATION. ED11

This drawing has been prepare	d solely for the use of St. Clair
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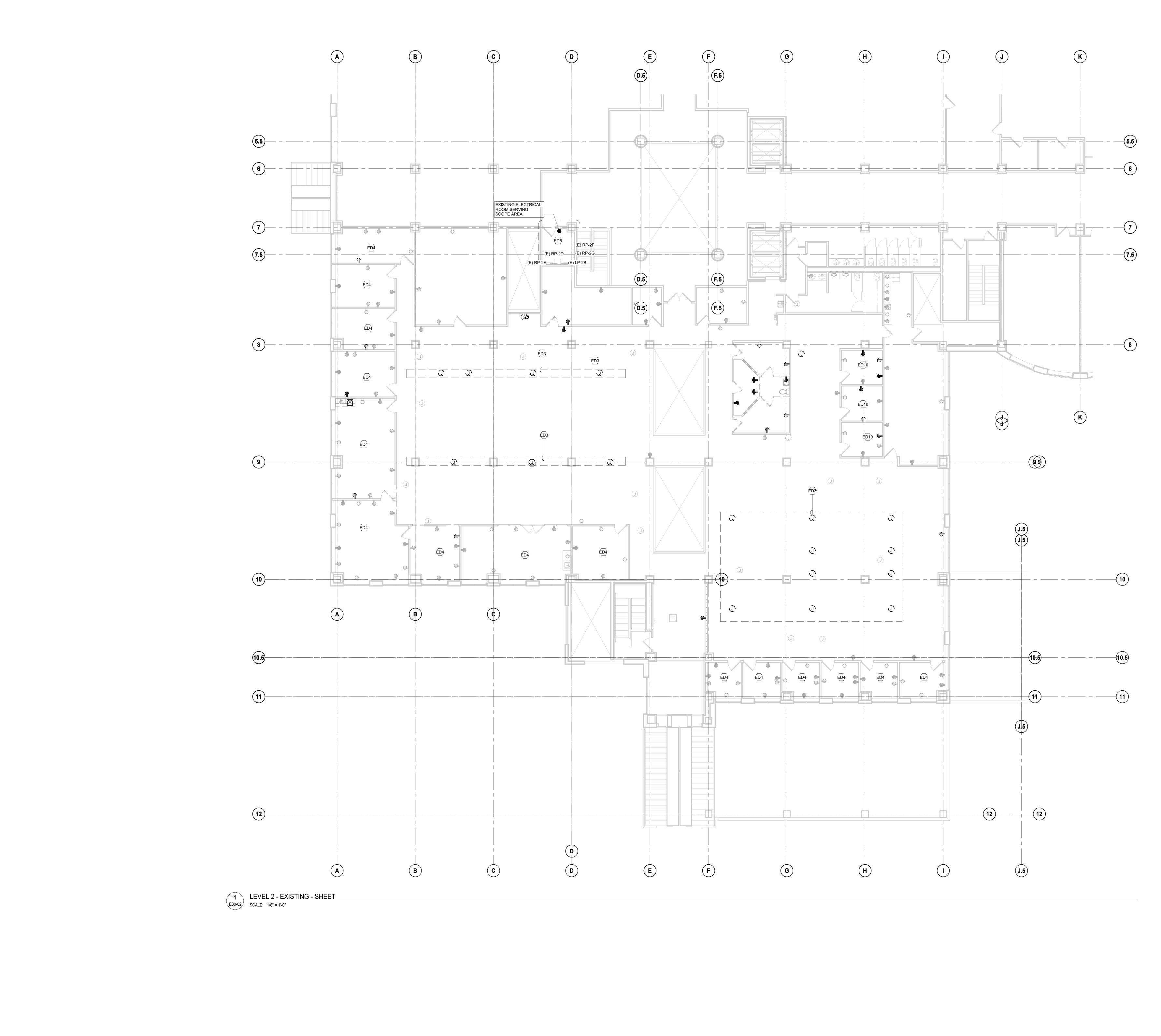
# Department Relocation 3415 28th Street Port Huron, MI 48060 Drawing Title SOUTH WING LEVEL 1 -ELECTRICAL DEMOLITION PLAN

1/8" = 1'-0" Project No. JCDT-23-0185

Drawing No.

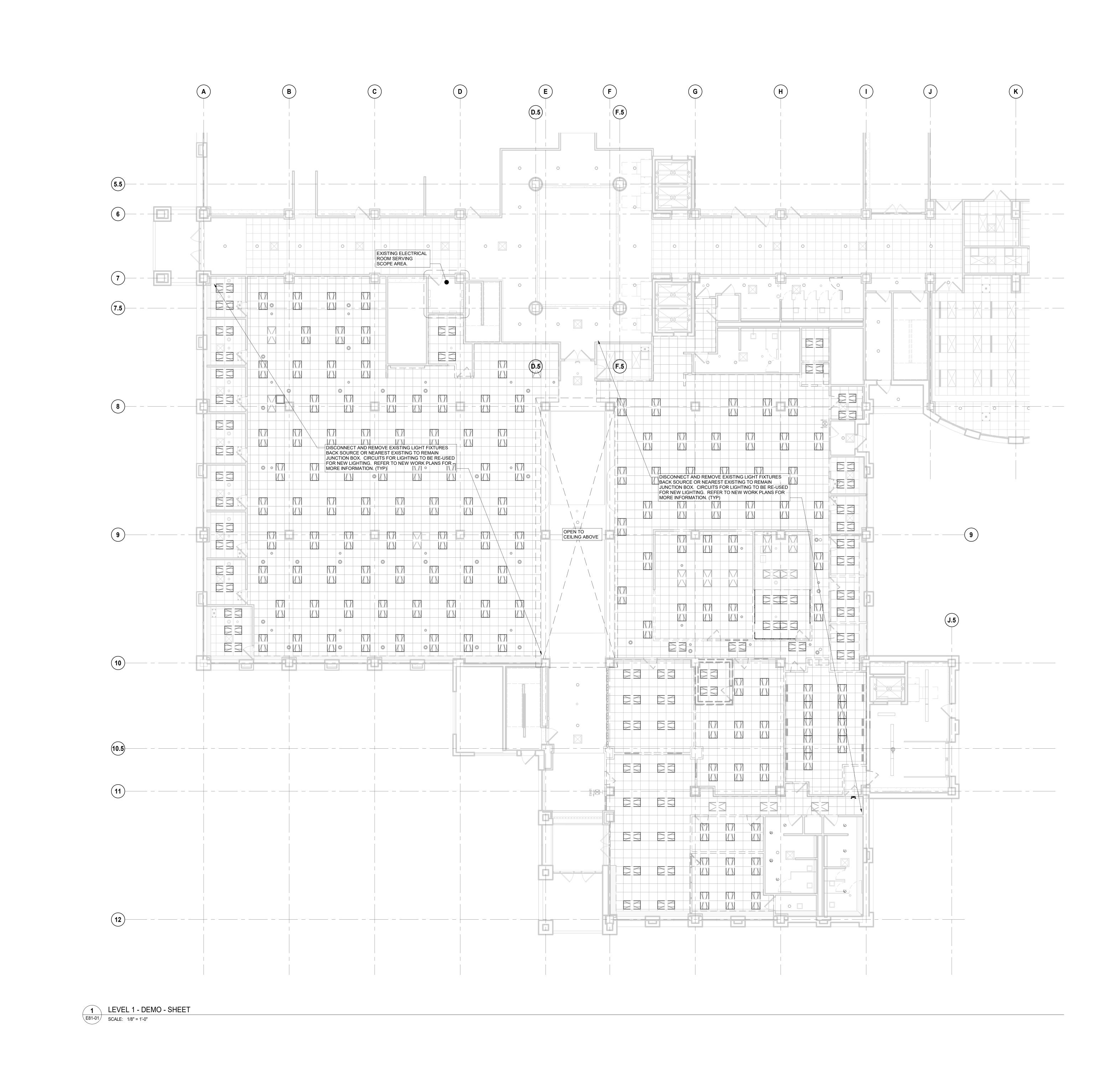
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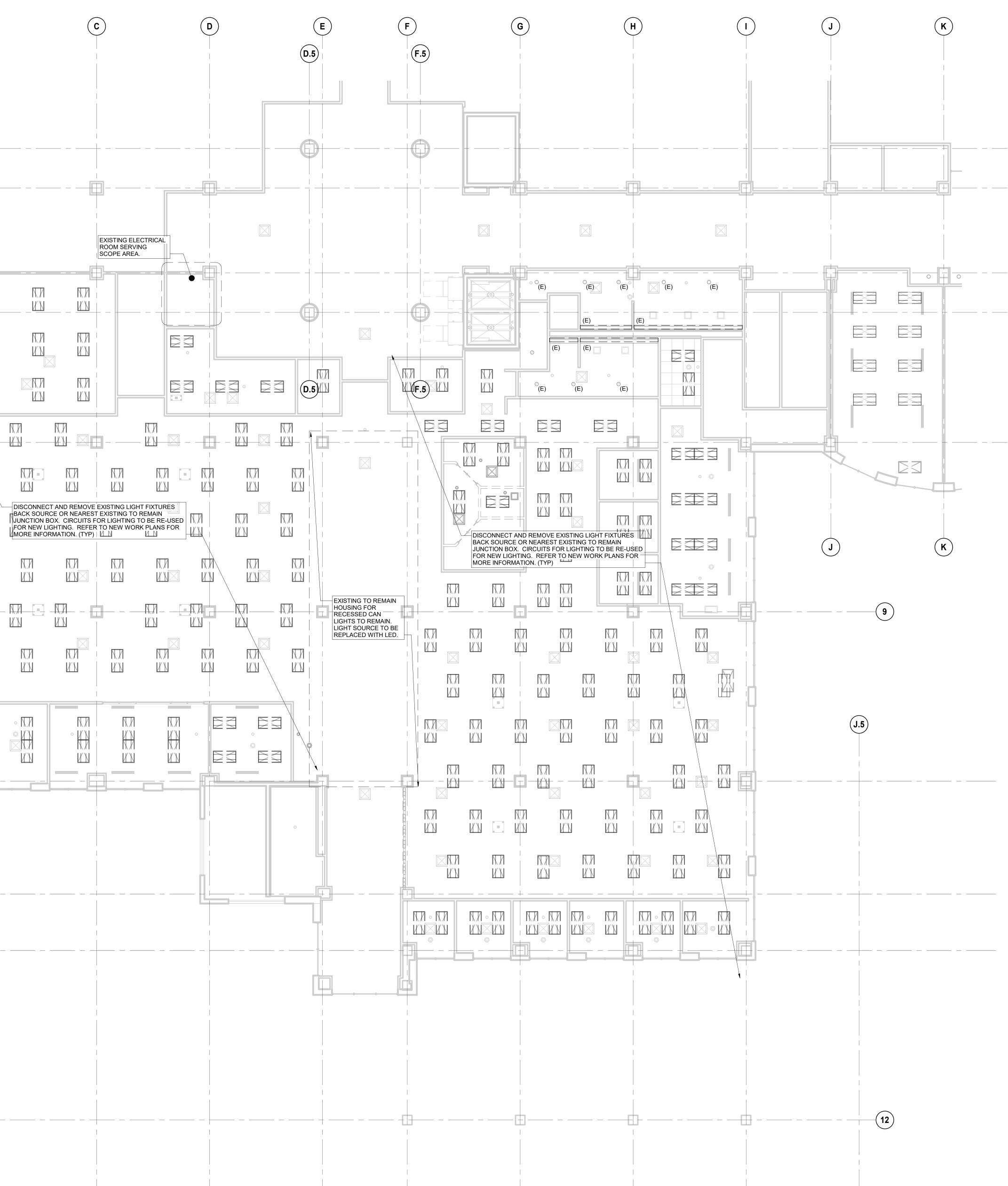
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 LEVEL 2 - DEMO - SHEET

 E81-02
 SCALE: 1/8" = 1'-0"

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