

## CCC ROOK HALL TENANT IMPROVEMENT

CLACKAMAS COMMUNITY COLLEGE 19600 SOUTH MOLALLA AVE. OREGON CITY, OR 97054

## **BID SET**

11/15/2021



ARCHITECTURAL

A6.20 ROOM FINISH SCHEDULE

**GENERAL** Cover

G0.00 SHEET INDEX DEMOLITION

AD1.01 FLOOR PLAN LEVEL - 01 DEMO

AD1.71 REFLECTED CEILING PLAN LEVEL - 01 - DEMO

ARCHITECTURAL

A0.00 ARCHITECTURAL ABBREVIATIONS, SYMBOLS, AND

**ASSEMBLIES** CODE ANALYSIS

FIRE & LIFE SAFETY PLAN- LEVEL - 01

FIRE & LIFE SAFETY PLAN LEVEL - 02 DOOR SCHEDULE AND DOOR TYPES

FLOOR PLAN LEVEL - 01 NEW CONSTRUCTION

FINISH PLAN LEVEL - 01 REFLECTED CEILING PLAN LEVEL - 01

**EXTERIOR DETAILS** 

**ENLARGED PLANS & ELEVATIONS** INTERIOR FRAMED OPENINGS & DETAILS

FINISH LEGEND

INTERIOR ELEVATIONS INTERIOR ELEVATIONS

INTERIOR ELEVATIONS

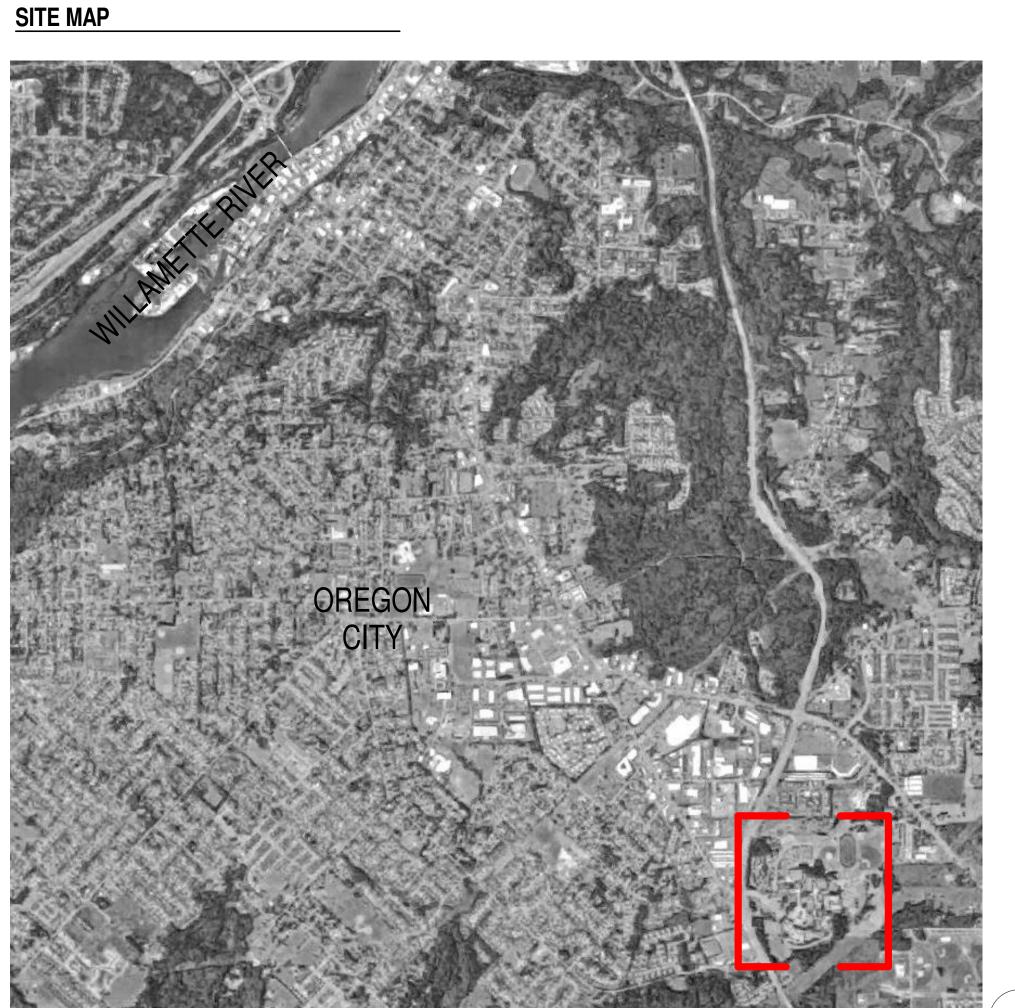
INTERIOR ELEVATIONS

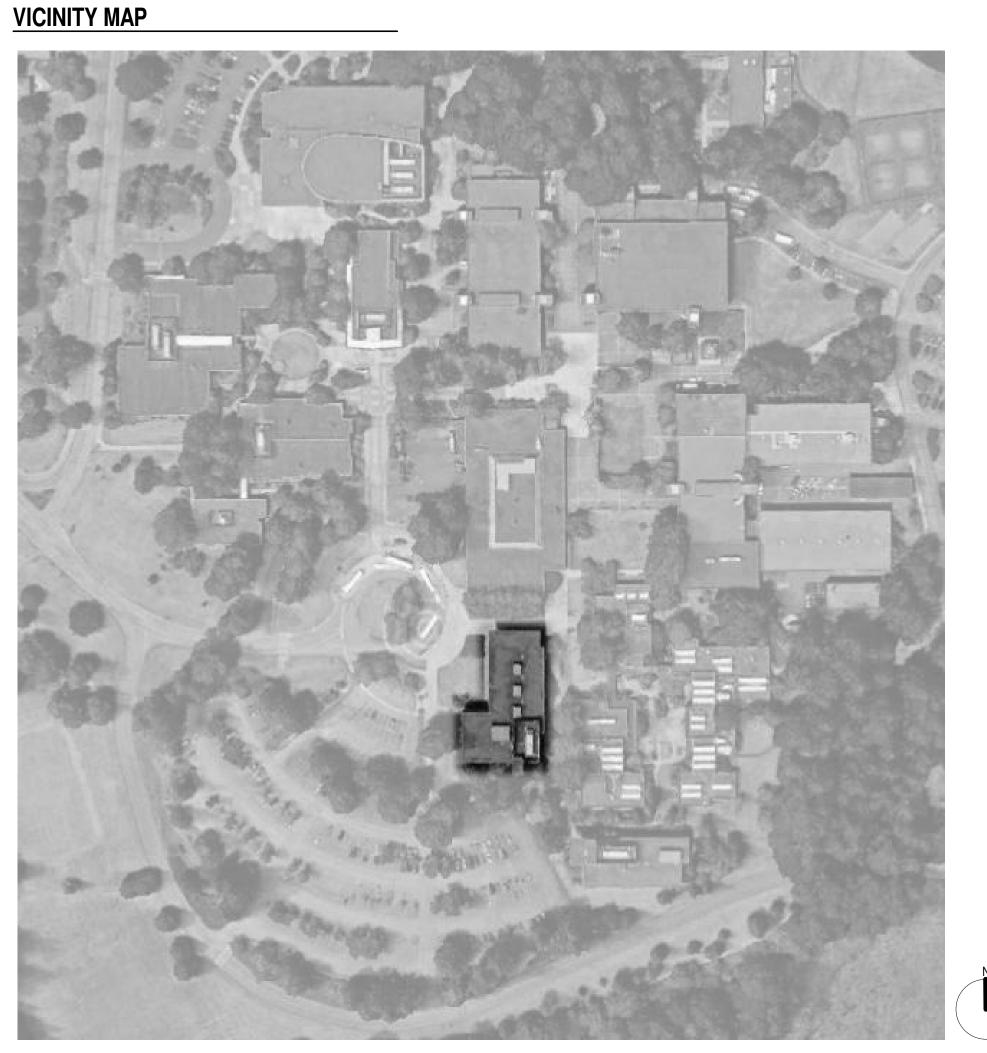
INTERIOR ELEVATIONS & ENLARGED PLANS

**INTERIOR DETAILS** 

**CEILING AND FLOOR TRANSITION DETAILS** 

FINISH TRANSITION DETAILS





OWNER PROVIDED CONSULTANT

ARCHITECT Clackamas Community College Opsis Architecture 19600 Molalla Ave 920 NW 17th Avenue Oregon City, OR 97045 (503) 594-6000 503.525.9511

Portland, Oregon 97209 Contact: Lauren Loosveldt

STRUCTURAL Catena Consulting Engineers 1500 NE Irving St., Suite 412 Portland, Oregon 97232 503.467.4797 Contact: John McDonald

Interface Engineering Inc. 100 SW Main St Suite 1600 Portland, Oregon 97204 503.382.2266 Contact: Steve Dacus

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Project Owner: **CLACKAMAS COMMUNITY COLLEGE** 

Project Name: CCC ROOK HALL TENANT IMPROVEMENT

> Project Adress: 19600 SOUTH MOLALLA AVE. **OREGON CITY, OR 97054**

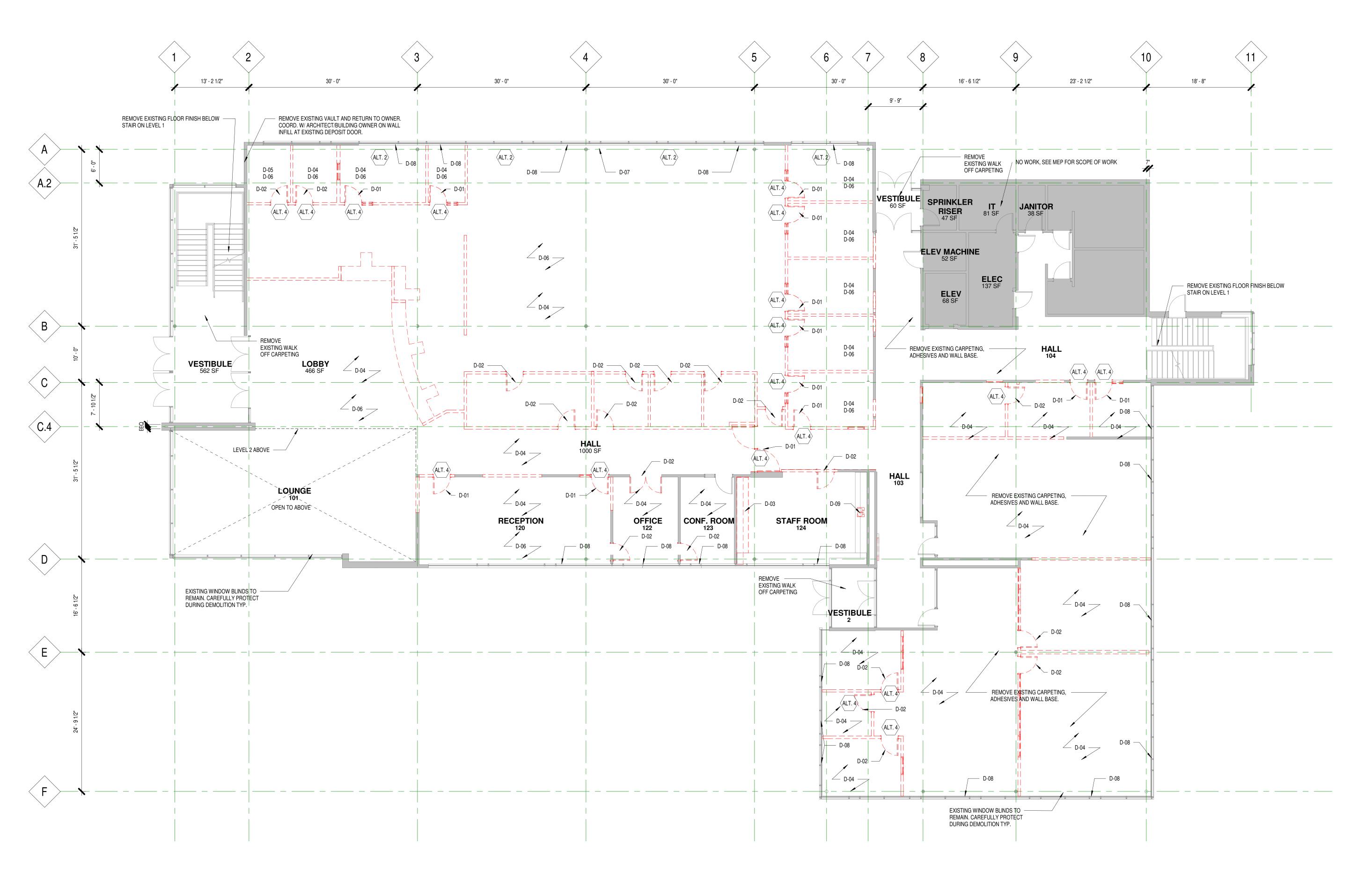
Key Plan

Revisions to Sheet

BID SET

11/15/2021 Sheet Title
SHEET INDEX

G0.00



1 ROOK HALL - LEVEL 1 - DEMO PLAN
1/8" = 1'-0"



- CONTRACTOR SHALL PROVIDE A SCHEDULE OF DEMOLITION TO THE OWNER FOR APPROVAL. CONTRACTOR SHALL NOT COMMENCE WORK IN ANY AREA PRIOR TO WRITTEN APPROVAL FROM THE OWNER FOR EACH STAGE OF THE DEMOLITION SCHEDULE AT LEVEL 1. LEVEL 2 IS TO REMAIN OPERATIONAL
- DURING CONSTRUCTION UNO. 2. AT LEVEL 1, THE OWNER SHALL HAVE THE OPPORTUNITY TO REMOVE EXISTING MATERIAL AND EQUIPMENT AT THEIR OWN
- CONTRACTOR. LEVEL 2 IS TO REMAIN UNINTERRUPTED. CONTRACTOR IS TO COORDINATE WITH THE OWNER ANY INTERRUPTIONS OF ANY BUILDING SERVICES (I.E. ELECTRICAL, MECHANICAL, PLUMBING, FIRE PROTECTION, COMMUNICATION, ETC.) WHICH AFFECT THE OPERATION OF THE REMAINING PORTIONS OF THE FACILITY. ANY INTERRUPTIONS TO THESE SERVICES ARE TO BE SCHEDULED IN ADVANCE AND THE DURATION IS TO BE HELD TO THE MINIMUM. LEVEL 2 TO REMAIN

EXPENSE PRIOR TO THE START OF DEMOLITION BY THE

- OPERATIONAL, SYSTEMS AND EGRESS TO BE MAINTAINED. 4. CONTRACTOR IS TO DETERMINE WHICH WALLS TO BE REMOVED ARE LOAD BEARING. IF THERE IS ANY QUESTION, THE CONTRACTOR IS TO NOTIFY THE ARCHITECT IMMEDIATELY AND PRIOR TO THE DEMOLITION OF THE WALL.
- 5. AT LEVEL 1, ALL ABANDONED UTILITIES AND SERVICES SHALL HAVE CONDUIT, CABLING OR PIPING REMOVED AND CAPPED AT THE EXTENT OF THE PROJECT OR AS REQUIRED FOR THE OPERATION OF THE SYSTEMS. COORDINATE WITH MECHANICAL, ELECTRICAL, PLUMBING AND FIRE PROTECTION DOCUMENTS. LEVEL 2 IS TO REMAIN UNINTERRUPTED.

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CCC ROOK HALL

**TENANT IMPROVEMENT** 

**OREGON CITY, OR 97054** 

19600 SOUTH MOLALLA AVE.

**CLACKAMAS** 

**COMMUNITY COLLEGE** 

- 6. AT LEVEL 1, REMOVE ALL POWER, SIGNAL, SWITCHING AND OTHER PERTINENT ITEMS FROM WALLS TO BE DEMOLISHED.
- COORDINATE WITH ELECTRICAL DOCUMENTS
  7. AT LEVEL 1, REMOVE CEILINGS (ACOUST. & GYP.) IN AREAS SHOWN TO HAVE WALL REMOVED, UNO.
- 8. AT LEVEL 1, CUT EXISTING FINISHES TO BE REMOVED WITH METHODS TO TERMINATED SURFACES IN A STRAIGHT, PLUMB LINE AT A NATURAL POINT OF DIVISION.
- 9. AT LEVEL 1, FLOOR FINISH TO BE REMOVED WHERE INDICATED UNO. EXISTING FINISHES IN RESTROOMS AND BUILDING UTILITY AREAS ARE TO REMAIN UNINTERRUPTED. 10. PATCH, REPAIR AND REFINISH EXISTING ITEMS TO REMAIN TO THE SPECIFIC CONDITION OF EACH MATERIAL WITH A
- WORKMAN-LIKE TRANSITION TO ADJACENT NEW CONSTRUCTION. 11. AT LEVEL 1, GENERAL ITEMS FOR DEMOLITION ARE INDICATED ON DRAWINGS. PLUMBING FIXTURES, CEILINGS, MISCELLANEOUS EQUIPMENT, FINISHES, ETC. (NOT SPECIFICALLY SHOWN THAT ARE LOCATED IN AREAS OR WALLS SHOWN TO BE DEMOLISHED) ARE TO BE REMOVED AND/OR RELOCATED AS REQUIRED. COORDINATION OF THE DEMOLITION IS THE RESPONSIBILITY OF THE CONTRACTOR.

12. AT LEVEL 1, WHERE REMOVAL OF PARTITIONS OR EQUIPMENT

- RESULTS IN ADJACENT SPACES BECOMING A SINGLE SPACE, REWORK FLOORS, WALLS AND CEILINGS TO PROVIDE SMOOTH PLANES WITHOUT BREAKS, STEPS, RAMPS OR BULKHEADS. 13. WHEN NEW WORK ABUTS OR FINISHES FLUSH WITH EXISTING WORK, MAKE A SMOOTH WORKMAN-LIKE TRANSITION. PATCHED
- WORK SHALL MATCH ADJACENT EXISTING WORK IN TEXTURE 14. CONTRACTOR TO COORDINATE CONCRETE REMOVAL RELATED TO ALL UNDERSLAB UTILITY INSTALLATION WITH ARCHITECT

AND THE EXISTING SLAB SURVEY.

- 15. PROVIDE ADEQUATE SUPPORT OR ANCHORAGE OF SUBSTRATES TO RECEIVE NEW FINISH MATERIALS. 16. NOTIFY ARCHITECT BEFORE REMOVING ANY FLOOR TO FLOOR
- 17. A COMPLETE SURVEY FOR VERIFICATION OF THE (E) CONSTRUCTION HAS NOT BEEN PERFORMED AND EXISTING DOCUMENTS ARE NOT ENTIRELY CLEAR. FOR THESE REASONS THE ARCHITECT AND OWNER DISCLAIM ANY RESPONSIBILITY FOR THE ACCURACY AND COMPLETENESS OF EXISTING INFORMATION.
- 18. CONTRACTOR TO VERIFY/COORDINATE ALL WALL PENETRATIONS FOR EQUIPMENT AND DEVICES (DUCT, PIPE,
- CONDUIT, CABLE TRAY, ETC.) 19. AT LEVEL 1, CONTRACTOR SHALL COORDINATE DEMOLITION REMOVAL AND REINSTALLATION OF NEW WORK REQUIRED TO ACCOMMODATE SUBCONTRACTORS WORK OCCURRING OUTSIDE AREAS SHOWN FOR SPECIFIC DEMOLITION. CONTRACTOR SHALL REMOVE ALL PLUMBING, MECHANICAL, ELECTRICAL ITEMS, WHETHER SHOWN OR NOT, IN AREAS TO BE DEMOLISHED AND/OR RENOVATED. ITEMS SHOWN TO BE REMOVED ARE A GENERAL REPRESENTATION OF ALL ITEMS TO BE REMOVED IN THE RENOVATED AREA. ADDITIONAL FIXTURES MAY NOT BE SHOWN THAT ARE PRESENT AND ARE TO BE REMOVED UNDER THIS CONTRACT.
- 20. COORDINATE ALL DEMOLITION, REPAIR, REPLACEMENT AND RELOCATION OF ELECTRICAL SYSTEMS WITH THE ELECTRICAL

DOCUMENTS.

- 21. COORDINATE ALL DEMOLITION, REPAIR, REPLACEMENT AND RELOCATION OF SITE AMENITIES AND SYSTEMS WITH THE LANDSCAPE AND CIVIL DOCUMENTS.
- 22. COORDINATE ALL DEMOLITION, REPAIR, REPLACEMENT AND RELOCATION OF MECHANICAL SYSTEMS WITH MECHANICAL DOCUMENTS.
- 23. AT LEVEL 1, PROTECT ALL WINDOW COVERINGS AT EXTERIOR WINDOWS. TO BE REUSED IN NEW CONSTRUCITON OR SALVAGED.
- 24. EXISTING RAISED ACCESS FLOOR TO REMAIN. NOTIFY ARCHITECT. REMOVE EXISTING FLOOR COVERINGS, ADHESIVES AND WALL BASE.
- 25. SALVAGE EXISTING ACT TO REUSE WITHIN REMODEL, SEE RCP. 26. CAREFULLY REMOVE AND RETURN WALL MOUNTED EQUIPMENT AND ARTWORK TO OWNER.
- 27. SALVAGE DOORS AND RELITES FOR NEW CONSTRUCTION. PROVIDE COUNT FOR OWNER/ARCHITECT TO REVIEW FOR RESUE. ALL DOORS AND RELITES THAT ARE UNUSED, TO BE RETURNED TO OWNER UNO.

#### <u>ALTERNANTS</u>

- (ALT. 1) PROVIDE ALT. COST FOR ALL NEW ACT-1 AND GRID IN LOBBY 101 AND HALL 102. BASE: EXISTING TO REMAIN, NEW PAINT.
- (ALT. 2) PROVIDE ALT. COST FOR NEW WSH-1, MAUAL ROLLER SHADES AT CLASSROOMS 110, 112, MEETING ROOM 111A, BOARD ROOM 111B. BASE: EXISTING BLINDS AT EXTERIOR WINDOWS REMAIN.
- (ALT. 3) PROVIDE NEW TYPE "W" LED WALL MOUNTED LIGHTING FIXUTRES IN HALLS 103 & 104. REF. ELECTRICAL. BASE BID: EXISTING FLOURESCENTS TO REMAIN.
- (ALT. 4) PROVIDE NEW DOORS AND RELITES. BASE BID: EXISTING TO BE REUSED IN CONSTRUCTION.

#### **DEMOLITION LEGEND**



EXISTING WALL TO BE DEMOLISHED EXISTING WALL TO REMAIN

#### **DEMOLITION KEY NOTES**

- D-01 REMOVE RELITES AND DOORS AND SALVAGE. REF. CONSTRUCTION PLAN. D-02 RETURN DOORS TO OWNER
- D-03 DEMO CASEWORK UPPERS AND LOWERS D-04 REMOVE AND SALVAGE ANY WALL MOUNTED ITEMS AND RETURN TO
- D-05 DEMO EXISTING VAULT
  D-06 EXISTING RAISED ACCESS FLOORING TO REMAIN. CAREFULLY REMOVE
- EXISTING FLOORING. PREP FOR NEW FINISHES, REF. FINISH PLAN.
- D-07 REMOVE ACOUSTIC PANELS WERE INSTALLED. PATCH AND REPAIR WALL
- D-08 EXISTING WINDOW BLINDS TOREMAIN. CAREFULLY PROTECT DURING DEMOLITION TYP.

11/15/2021 Sheet Title **FLOOR PLAN** LEVEL - 01

> Sheet No. **AD1.01**

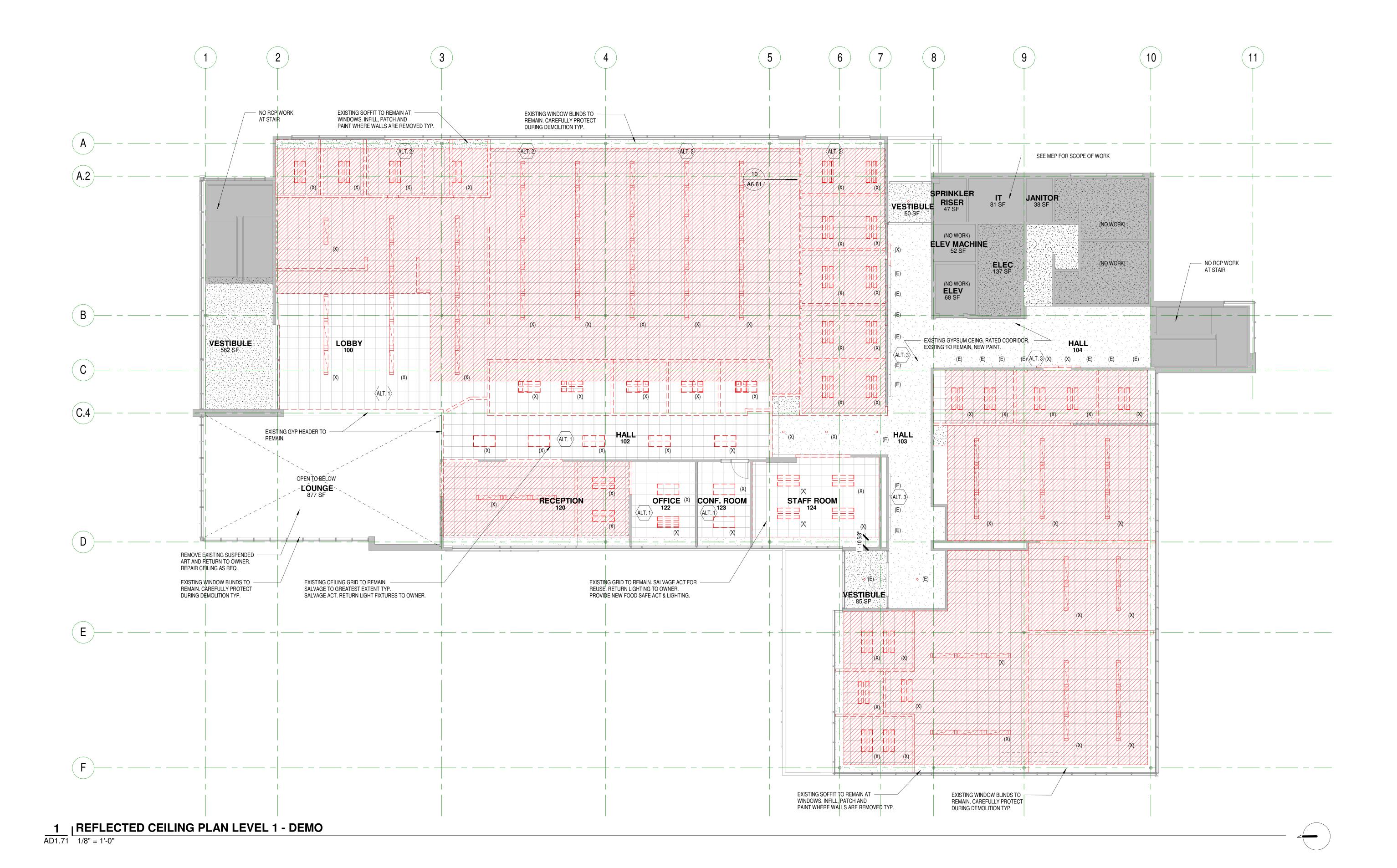
**BID SET** 

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Revisions to Sheet No. Revision

4793-01

D-09 REMOVE (E) SINK AND FAUCET PREP COUNTER FOR NEW SINK. REF MEP. **DEMO** 



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Key Plan

CCC ROOK HALL

**TENANT IMPROVEMENT** 

**OREGON CITY, OR 97054** 

19600 SOUTH MOLALLA AVE.

**CLACKAMAS** 

**COMMUNITY COLLEGE** 

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- 111B. BASE: EXISTING BLINDS AT EXTERIOR WINDOWS REMA

  ALT. 3 PROVIDE NEW TYPE "W" LED WALL MOUNTED LIGHTING
  FIXUTRES IN HALLS 103 & 104. REF. ELECTRICAL. BASE BID:
- FIXUTRES IN HALLS 103 & 104. REF. ELECTRICAL. BASE BID: EXISTING FLOURESCENTS TO REMAIN.

  ALT. 4) PROVIDE NEW DOORS AND RELITES. BASE BID: EXISTING TO BE

EXISTING WALL TO BE DEMOLISHED

## DEMOLITION LEGEND

REUSED IN CONSTRUCTION.

EXISTING WALL TO REMAIN

DEMOLISH

Status: BID SET

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Revisions to Sheet
No. Revision

Date: 11/15/2021
Sheet Title
REFLECTED

CEILING PLAN LEVEL - 01 -DEMO

AD1.71

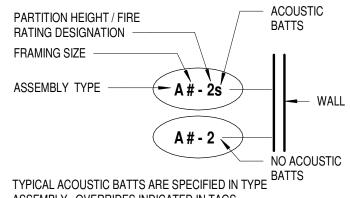
4793-01

plotted: 11/16/2021 11:09:56 AM

#### SHEET NOTES WALL ASSEMBLIES

- SEE FLOOR PLAN DRAWINGS FOR WALL TYPE LOCATIONS.
- SEE DETAILS ON THIS SHEET FOR TYPICAL ASSEMBLY
- REFERENCE A5.10 FOR ADDITIONAL DETAILS AND REQUIREMENTS, AIR TIGHT ROOM LOCATIONS, AND ACOUSTIC SEALING REQUIREMENTS AT SOUND RATED PARTITIONS.
- REFERENCE LIFE SAFETY AND REFLECTED CEILING PLANS FOR HORZONTAL & VERTICAL RATED LOCATIONS. MAINTAIN FIRE RATING OF WALLS AROUND FIRE EXTINGUISHER CABINETS, AND OTHER
- RECESSED ITEMS. FRAME AROUND BEAMS AND OTHER STRUCTURAL ELEMENTS WHEN THEY OCCUR WITHIN THE SPACE OF A FIRE RATED OR ACOUSTICAL PARTITION.
- WHEN METAL FRAMING CONTINUES PAST INTERMEDIATE STRUCTURE (AS IN MULTI-STORY STAIR ENCLOSURES AND SIMILAR CONDITIONS), ATTACHMENT TO INTERMEDIATE STRUCTURE SHALL BE WITH A SLOTTED CONNECTION OR OTHER MEANS SO THAT STRUCTURAL DEFLECTION WILL NOT TRANSFER LOADS
- TO METAL FRAMING. SEE FINISH SCHEDULE, INTERIOR ELEVATIONS, AND DETAILS FOR FINISHES AND SPECIAL CONDTIONS. "SIM." NOTE INDICATES A CONDITION SIMILAR TO THE
- TYPICAL PARTITION TYPE NOTED. REFER TO INT.ELEVATIOMS AND DETAILS FOR MORE SPECIFIC PARTITION SYMBOLS AT DOOR AND WINDOW
- OPENINGS REFER TO PARTION ABOVE/BELOW 10. PER OSSC 715.3 FIRE RESISTANT JOINT SYSTEMS SHALL BE PROVIDED IN ACCORDANCE W/
- REQUIREMENTS OF EITHER ASTM E 1966 OR UL 2079. 11. ATTACH COLD-FORMED FRAMING, SUSPENDED CEILINGS AND EQUIPMENT, AND BRACING WITH %-INCH MAXIMUM FASTENERS, SEE STRUCTURAL NOTES.

#### **WALL TAG KEY**



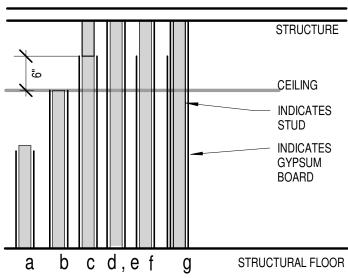
ASSEMBLY. OVERRIDES INDICATED IN TAGS LOCATION OF TAG INDICATES SIDE OF WALL TO RECIEVE ADDITIONAL LAYERS OF GWB WHEN

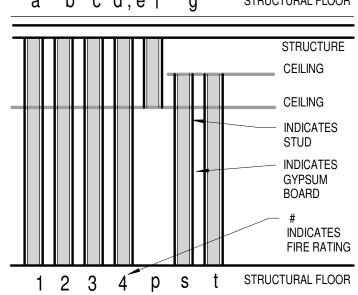
#### FRAMING SIZE KEY

INDICATED BY THE PARTITION TYPE

ID	STEEL	ID	WOOD	
0	7/8" FURRING (UNO)	0	FURRING	_
1	1 5/8"	2	2 x 2	
2	2 1/2"	3	3 x 3	
3	3 5/8"	4	2 x 4	
4	4"	6	2 x 6	
6	6"	8	2 x 8	
8	8"	10	2 x 10	
10	10"			
11	(2) 1 5/8"	<u>ID</u>	CMU/CIP	_
22	(2) 2 1/2"	4	4"	
33	(2) 3 5/8"	6	6"	
44	(2) 4"	8	8"	
66	(2) 6"	10	10"	

#### **PARTITION HEIGHT** RATING DIAGRAM

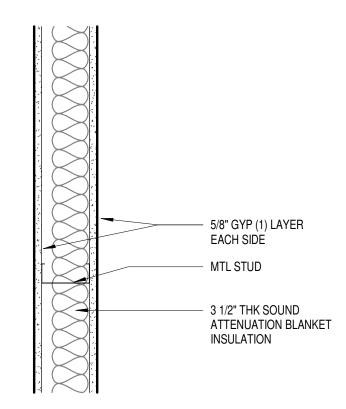




- (1) HOUR FIRE RATED (2) HOUR FIRE RATED
- (3) HOUR FIRE RATED (4) HOUR FIRE RATED NON-RATED PARTIAL HT. PARTITION NON-RATED TO UNDERSIDE OF CEILING
- NON-RATED EXTEND GB TO 6" ABOVE CLG. & BRACE STUDS TO STRUCTURE AS REQUIRED NON-RATED - EXTEND STUDS AND GB TO UNDERSIDE OF STRUCTURE ABOVE NON-RATED - EXTEND STUDS AND GB FROM CONC. SLAB

TO UNDERSIDE OF STRUCTURE ABOVE. SEAL BOTTOM

- TRACK TO SLAB WITH SEALANT NON-RATED - EXTEND STUDS TO UNDERSIDE OF STRUCTURE ABOVE. EXTEND GB TO 6" ABOVE CLG. ON ONE SIDE AND TO STRUCTURE ON THE OTHER NON-RATED - EXTEND STUDS AND 1 LAYER GB EA. SIDE
- TO UNDERSIDE OF STRUCTURE ABOVE. EXTEND 2nd LAYER GB TO 6" ABOVE CLG. NON RATED PARTITION
- SMOKE PARTITION NON-RATED - EXTEND STUDS TO UNDERSIDE OF STRUCTURE AND GB TO ALIGN WITH UPPER CEILING.



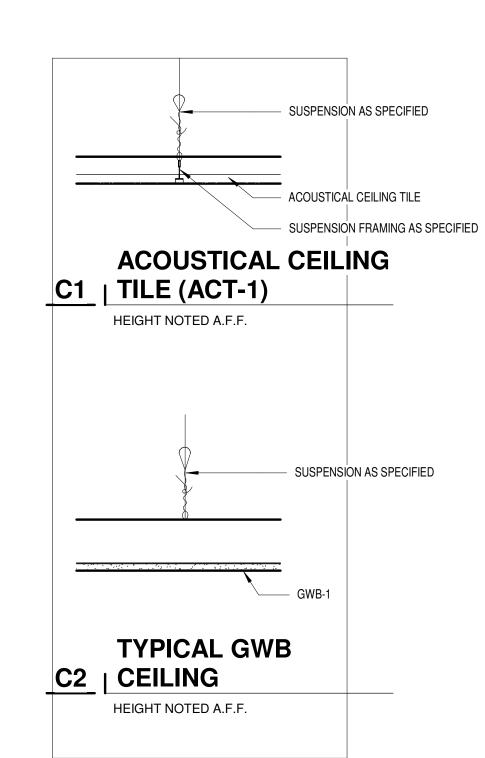
5/8" IMPACT RESISTANT GYP (GWB-3) (1) LAYERS EXPOSED CORRIDOR 5/8" GYP (1) LAYERS ONE SIDE MTL STUD - 3 1/2" THK SOUND ATTENUATION BLANKET INSULATION

**METAL STUD PARTITION** 

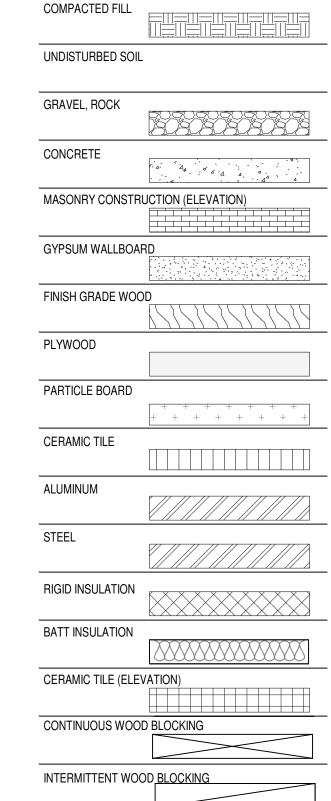
A | METAL STUD PARTITION

LIFE SAFETY PLANS

UL #419: 1-HOUR FIRE-RESTANCE RATED UL #419: 1-HOUR FIRE-RESTANCE RATED ASSEMBLY WHERE NOTED ON FIRE & ASSEMBLY WHERE NOTED ON FIRE & LIFE SAFETY PLANS

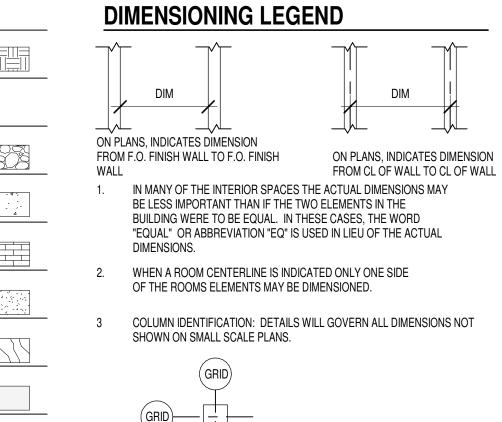


## **MATERIAL SYMBOLS**



METAL STUD IN SECTION

## **INTERIOR PARTITION**



PARTITION CENTERED ON COLUMN OR GRID LINES WILL NOT BE DIMENSIONED ON SMALL SCALE PLANS BUT WILL BE DRAWN ACCORDINGLY. ALIGN FRAMING CENTERLINE WITH GRID COLUMN CENTERLINE

PARTITION WITH A FINISHED FACE FLUSH WITH FINISH FACE OF COLUMN WILL NOT BE DIMENSIONED ON SMALL SCALE PLANS BUT WILL BE DRAWN ACCORDINGLY. ———— COLUMN CENTERLINE

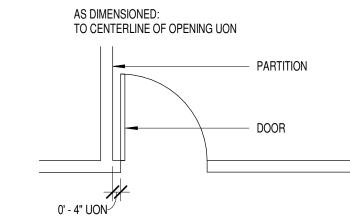
> PARTITION FINISH FACE ON COLUMN OR GRID LINE WILL NOT BE DIMENSIONED ON SMALL SCALE PLANS BUT WILL BE DRAWN ACCORDINGLY.

> > COLUMN CENTERLINE

PARTITION

7. OPENINGS OCCURING IN WALLS OR PARTITIONS: WHEN A JAMB OCCURS AT A COLUMN OR GRID LINE, DIMENSIONS WILL NOT BE SHOWN ON THE SMALL SCALE PLANS. THE OPENING WIDTH WILL BE GOVERNED BY THE DOOR SCHEDULE. WHEN A JAMB OCCURS AT NEITHER A COLUMN LINE NOR A GRID LINE AND DOES NOT FOLLOW TYPICAL OFF SETS, THEN THE JAMB WILL BE DIMENSIONED.

8. DOOR LOCATION DOORS ARE LOCATED BY ONE OF THE FOLLOWING: ONE JAMB FACE LOCATED BY A PARTITION AT RIGHT ANGLE. TYPICAL UNLESS INDICATED IN PLAN AS DIMENSIONED:



- WALLS & PARTITIONS ARE DIMENSIONED TO FACE OF FINISH UNLESS OTHERWISE NOTED.
- 10. DIMENSIONS ARE INDICATED IN THE DOCUMENTS. THE DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.

#### SYMBOLS LEGEND **GENERAL ABBREVIATIONS**

anchor bolt

area drain

addendum

adjustable

access floor

BLK

BOD

BOR

BOT

CEM

COL

CTR

EXP

face of finish

face of concrete

face of masonry

face of studs

fireproofing

fire resitive

feet or foot

footing

gauge

grade

ground

header

hardware

hardwood

handrail

horizontal

hollow steel

hose valve

include(d)

information

linear foot or feet

interior

heating, ventilating & air conditioning

inside diameter/dimension

height

heating

hollow metal

GLB

HDR

HDW

HDWD

HNDRL

HORIZ

HTR

field verify

galvanized general contractor

glulam beam

gypsum wall board

house keeping pad

fiber reinforced laminate

fiberglass reinforced panel

above finish floor

above finish grade

acoustical fiberglass panel

acoustic ceiling tile

asphaltic concrete

architectural concrete

above

metric/meter

machine

masonry

material

maximum

marker board

mechanical

manufacturer

stainless steel

street

steel

storage

structural

surface

suspended

system

thread

tackboard

temporary

threshold

top of steel

through

top of

typical

valve

vapor barrier

ventilation

vestibule

veneer

vent to roof

walk off carpet

wire glass

waterproofing

wainscot

wall to wall

welded wire fabric

verify in field

vertical

tempered glass

top and bottom tongue and groove

top of concrete or curb

thermal resistance value

unless otherwise noted

see wall sections

symmetrical

STAG

STOR

SURF

SUSP

**TEMP GL** 

THRSH

THRU

UNFIN

VERT

VEST

VTR

W/W

SWS

STRUCT

stain(ed)

staggered

membrane

manhole

minimum

medium density fiberboard

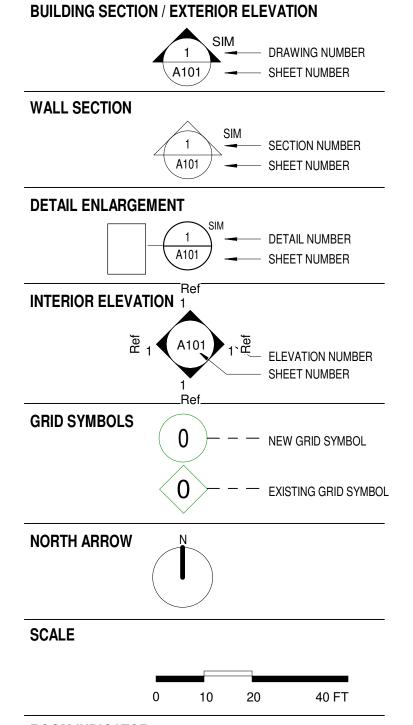
medium density overlay

MACH

MECH

MEMB

MFR



**ROOM INDICATOR** Room - ROOM NAME ---- ROOM NUMBER

**DOOR INDICATOR**  DOOR NUMBER INDICATOR **CEILING TAG** 

CEILING ASSEMBLY TYPE

10' - 0" CEILING HEIGHT (OPTIONAL) **KEY NOTE KEY NOTE** 

**OPENING TYPE TAG** EXTERIOR FRAME INTERIOR FRAME TYPE ASSEMBLY TYPE TAG WALL TYPE **ROOF TYPE** 

FLOOR TYPE **REVISIONS** REVISION CLOUD 1 REVISION NUMBER

**FURNITURE TAG** D-3 FURNITURE TYPE

FLOOR TYPE **SPOT ELEVATION FLOOR DRAIN** 

FIRE EXTINGUISHER CABINET

FLOOR TYPE CHANGE

FIRE EXTINGUISHER CABINET

FLOOR DRAIN

mirror air handling unit miscellaneous ALUM aluminum masonry opening AMT moisture resistant gypsum board amount **APPROX** MTD approximate mounted ARCH architect(ural) metal AUTO automatic bottom of curb not applicable baby changing station not in contract board number below finish floor NOM nominal BLDG non-shrink block not to scale BLKG blocking beam or bench mark outside air on center bottom of deck outside diameter/dimension bottom of reveal OFCI owner furnished contractor installed owner furnished owner installed Open to Structure basement OPNG opposite OPP HD catch basin opposite hand cement optional CEN PT center point original OVHD corner guard overhead cast in place control joint pavers center line precast concrete pounds per cubic foot ceiling portland cement plaster clear concrete masonry unit perforated column property line CONC concrete CONT PLAM plastic laminate continuous CORR PLAS COV PL PLUMB cover plate plumbing carpet pounds per linear foot PLYWD ceramic tile boowyla CTOP countertop panel center paint PRELIM preliminary pounds per square inch detail pressure treated drinking fountain painted diffuser dimension quarter thermal resistance (R-value) drain return air downspout radius double tee rubber base roof drain recessed reference refrigerator REINF Electronic Access Controls reinforce(d)(ment)(ing) REQD expansion bolt required expansion joint revision ELEC resilient flooring ELEV elevation reflected **EMER** room emergency ENCL enclosure round **ENGR** rough opening RQMT epoxy paint requirement(s) rainscreen enamel roof vent **EQUIP** equipment right of way resilient wood floor exhaust expansion rain water leader EXPD exterior solid core SCHED schedule SECT flat bar section floor drain square foot(feet) SHTHG foundation sheathing fire extinguisher sheet fire extinguisher cabinet similar finish floor seismic joint sealer SOG slab on grade FLUOR fluorescent specification face of square

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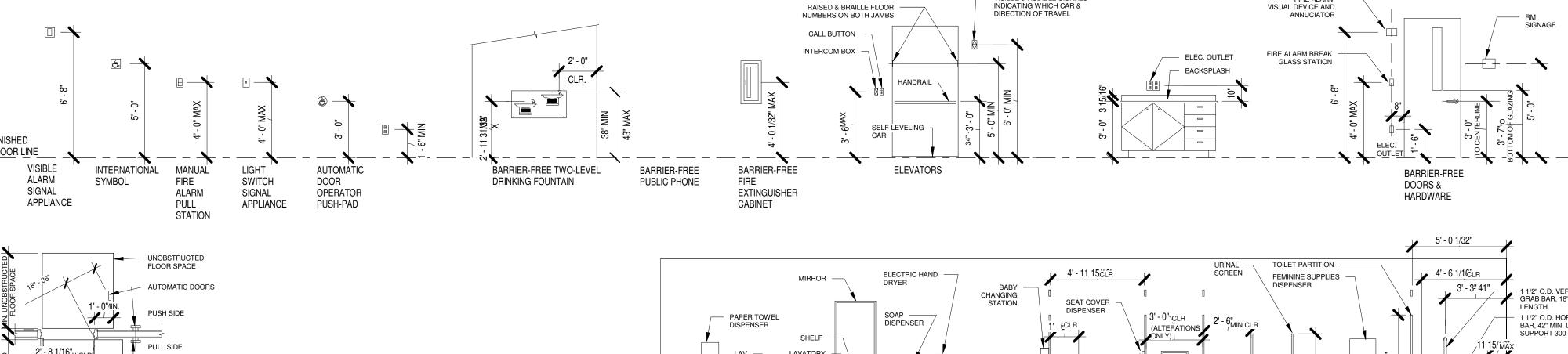
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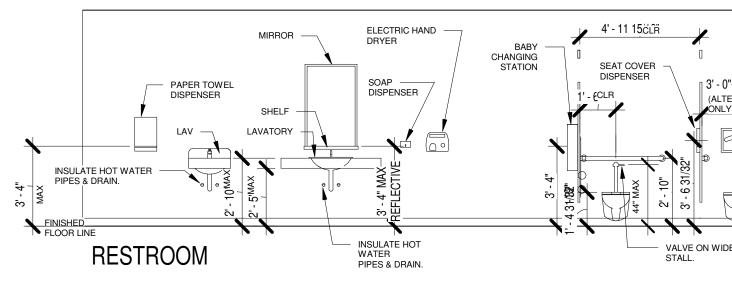
11/15/2021 Sheet Title **ARCHITECTURAL** ABBREVIATIONS, SYMBOLS, AND **ASSEMBLIES** 

Sheet No. A0.00

4793-01

STANDARD MOUNTING HEIGHTS





VISIBLE & AUDIBLE SIGNALS

VALVE ON WIDE SIDE OF STALL. TOILET TISSUE DISPENSER CHAPTER 1: ADMINISTRATION

PROJECT ADDRESS:

CLACKAMAS COMMUNITY COLLEGE 19600 SOUTH MOLALLA AVENUE OREGON CITY, OREGON 97045

PROJECT DESCRIPTION

Refresh of Level 01 of Rook Hall to provide of student-life program spaces, School President Offices, a classroom, and a multi-purpose boardroom and meeting area. No work at level 02 of building. Program

JURISDICTIONAL AUTHORITY (AHJ):

OREGON CITY

APPLICABLE PERMITS ROOK HALL T.I.

APPLICABLE CODE: 2019 OREGON STRUCTURAL SPECIALTY CODE 2019 MECHANICAL SPECIALTY CODE 2021 OREGON ELECTRICAL SPECIALTY CODE

NFPA 13 - 2016

ASHRAE 90.1-2016 OREGON FIRE CODE

APPLICABLE STANDARDS:

ORIGINAL CONSTRUCTION

2009 ICC A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES ADA-AG 2010 DESIGN STANDARDS

2021 OREGON PLUMBING SPECIALTY CODE

NFPA 72 - 2016

1993 - ORIGINAL CONSTRUCTION

CHAPTERS 3.5 AND 6: OCCUPANCY BUILDING HEIGHT AREA AND TYPE OF CONSTRUCTION

CONDITIONS	EXISTING STRUCTURE	PROPOSED STRUCTURE				
TYPE OF CONST. (TABLE 601 & NFPA 220 ANNEX B TABLE A.4.1.1):	II-B	UNCHANGED				
NFPA 13 SPRINKLERS:	SPRINKLERED	SPRINKLERED				
STATUS	NO CHANGE TO TYPE OF CONSTRUCTION	NO CHANGE TO TYPE OF CONSTRUCTION				
ALLOWABLE HEIGHT IN FEET (TABLE 504.3):	75'	75'				
ACTUAL HEIGHT IN FEET:	COMPLIANT, NO CHANGE TO ROOK STRUCTURE HEIGHT	COMPLIANT, NO CHANGE TO ROOK STRUCTURE HEIGH				
ALLOWABLE STORIES (TABLE 504.4):	4 STORIES	4 STORIES				
ACTUAL STORIES:	TWO STORY	TWO STORY				
ALLOWABLE AREA PER STORY (TABLE 606.2):	69,000	COMPLIANT, NO CHANGE TO ROOK STRUCTURE AREA				
	138,000	COMPLIANT, NO CHANGE TO ROOK STRUCTURE AREA				
ACTUAL BUILDING AREA:	29,171	29.172				
MIXED OCCUPANCY STRATEGY:	NON-SEPARATED	NON-SEPARATED				

FIRE RESISTIVE BUILDING ELEMENTS (Table 6	01)					
<u>ITEM</u>	RATING (II-B SPRINKLERED)	RATING (II-B SPRINKLERED)				
PRIMARY STRUCTURAL FRAME	0 HR	0 HR				
EXTERIOR BEARING WALLS	0 HR	0 HR				
INTERIOR BEARING WALLS	0 HR	0 HR				
EXTERIOR NON-BEARING WALLS	SEE TABLE 602 BELOW					
INTERIOR NON-BEARING WALLS	0 HR	0 HR				
FLOOR CONSTRUCTION	0 HR	0 HR				
ROOF CONSTRUCTION	0 HR	0 HR				
STAIRWAY CONSTRUCTION	0 HR	0 HR				
CORRIDOR (TABLE 1020.1)	0 HR	0 HR				
SHAFT ENCLOSURE (713.4)	1 HR	2 HR				

X=FIRE SEPARATION DISTANCE (FT)	RATING (II-B)	RATING (II-B)
X < 5	1 HR (NA)	1 HR (NA)
5 < X < 10	1 HR (NA)	1 HR (NA)
10 < X < 30	0 HR (NA)	0 HR (NA)
X > 30	0 HR	0 HR

311.1.1, STORAGE SPACES MAY BE CLASSIFIED AS EITHER A-2, A-3, OR B, DEPENDING ON WHAT THE ROOM IS SUPPORTING; THEREFORE, THERE IS NO S-1 IN EITHER STRUCTURE.

#### CHAPTER 7: FIRE AND SMOKE PROTECTION FEATURES

• ALL CONCEALED INSULATION SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450 IN ACCORDANCE WITH ASTM E 84 OR UL 723.

TWO-STORY OPENINGS MEET ALL CONDITIONS TO COMPLY WITH 712.19.

**CHAPTER 9: FIRE PROTECTION SYSTEMS** 

AUTOMATIC SPRINKLER SYSTEM (903) • EXISTING BUILDING PROTECTED BY AUTOMATIC SPRINKLER SYSTEM. NO CHANGE.

PORTABLE FIRE EXTINGUISHERS

• AS REQUIRED BY CODE - SEE PLANS FOR LOCATIONS AND SPECIFICATIONS FOR FIRE PROTECTION SPECIALTY EQUIPMENT

TYPE: 2A10BC W/ 75' MAX TRAVEL DISTANCE

**ALARM AND DETECTION** 

 SMOKE DETECTION IS NOT REQUIRED FOR GROUP B, BUT IS BEING PROVIDED PER THE AM&M. PROVIDE ALARM AND DETECTION PER NFPA 72 AND OSSC 2019, GROUP B. EXCEPTION: MANUAL FIRE ALARM BOXES NOT REQUIRED WHERE BUILDING IS EQUIPPED THROUGHOUT WITH AUTOMATIC SPRINKLER SYSTEM AND OCCUPLANT NOTIFICATION

SMOKE ALARMS TO BE HARD WIRED WITH BATTERY BACKUP

APPLIANCES WILL ACTIVATE WITH SPRINKLER FLOW.

 MANUAL FIRE ALARM WHERE OCCUPANCY IS MORE THAN 100 PERSONS ABOVE OR BELOW THE LOWEST LEVEL OF EXIT DISCHARGE

FIRE DEPARTMENT CONNECTIONS FDC TO COMPLY WITH NFPA STANDARD APPLICABLE TO THE SYSTEM DESIGN

CHAPTER 10: MEANS OF EGRESS

OCCUPANT LOADS HAVE BEEN APPLIED PER OSSC 2019

SEE A0.31 AND A0.32 FOR USE OF INDIVIDUAL SPACES AS WELL AS OCCUPANT LOADS

ROOK HALL				
AREA:	OCCUPANT LOAD FACTOR	AREA (SF)	OCCUPANT LOAD	REQ'D EXITS (OSSC 1015)
LEVEL 01				
A -3 ASSEMBLY	15 NET	1,279	86	
A -3 LECTURE	20 NET	2,650	133	
B - BUSINESS	150 GROSS	2,741	19	
B - CLASSROOM	20 NET	1,135	57	
B - ACCESSORY	300 GROSS	128	1	
B- ACCESSORY	200 GROSS	297	2	
S-1 - STORAGE	300 GROSS	530	2	
TOTAL			300	2
LEVEL 02 (NO WORK ON TH	IIS LEVEL)			
B - BUSINESS	150 GROSS	2,415	17	
B - CLASSROOM	20 NET	6,330	317	
B - ACCESSORY	300 GROSS	174	1	
S-1 - STORAGE	300 GROSS	125	1	
TOTAL			336	2

ACCESSIBLE MEANS OF EGRESS REQUIRED (OSSC 1009.1)

• TWO ACCESSIBLE MEANS OF EGRESS ARE PROVIDED FROM LEVEL 02 (THE NORTH AND SOUTH STAIRS ARE EXIT ACCESS STAIRWAYS).

DOOR OPERATIONS (OSSC 1010.1.9)

DOOR HARDWARE COMPLIES WITH THE FOLLOWING SECTIONS: • 1010.1.7 THRESHOLDS

 1010.1.9.1 HARDWARE SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING 1010.1.9.4 LOCKS AND LATCHES

1010.1.9.6 UNLATCHING SHOULD NOT REQUIRE MORE THAN ONE OPERATION.

MIN ALLOWABLE WIDTH IN INCHES (PER OSSC 10 AND NFPA 101)

• EXISTING STAIRS UNCHANGED: OCCUPANT LOAD x 0.3 (1005.3.1); NO LESS THAN 44" (1011.2)

• OTHER EGRESS COMPONENTS: OCCUPANT LOAD x 0.2 (1005.3.2) MIN DOOR WIDTH 32" CLEAR (MAX LEAF 48" NOMINAL) PER OSSC 1010.1.1

• DOORS WHEN FULLY OPEN MAY NOT REDUCE THE REQUIRED WIDTH BY MORE THAN 7" DOORS IN ANY POSITION MAY NOT REDUCE THE REQUIRED WIDTH BY MORE THAN 1/2

**COMMON PATH EGRESS** (TABLE 1006.2.1)

 A OCCUPANCY GROUP **75 FT** (WITH SPRINKLER SYSTEM) B OCCUPANCY GROUP **100 FT** (WITH SPRINKLER SYSTEM) S OCCUPANCY GROUP 100 FT (WITH SPRINKLER SYSTEM)

EXIT ACCESS DOORWAYS • 2 DOORS REQUIRED IF OCCUPANT LOAD IS OVER 49 and 3 DOORS REQUIRED IF

OCCUPANT LOAD IS OVER 500 (TABLE 1006.2.1). EXIT SEPARATION DISTANCE (OSSC 1007.1.1)

• EXIT ACCESS DOORS SHALL BE SEPARATED BY 1/3 THE DIAGONAL DIMENSION OF THE AREA SERVED (1007.1.1: EXCEPTION 2 - AUTOMATIC SPRINKLER SYSTEM)

EXIT ACCESS TRAVEL DISTANCE (PER TABLE 1017.2)

(SPRINKLERED) A AND B 250 FT

CORRIDORS (PER OSSC 2019)

• FIRE RATING: PER TABLE 1020.1 GROUP B REQUIRES 0 HR FIRE RESISTANCE RATING WITH SPRINKLERS.

 IF NOT SPRINKLERED, 1 HR FIRE RATING; WIDTH: 44" MIN WIDTH (PER TABLE 1020.2)

• EXIT ACCESS STAIRWAYS THAT SERVE ONLY TWO STORIES ARE NOT REQUIRED TO BE ENCLOSED (1019.3, EXCEPTION 1)

 AREAS OF REFUGE ARE NOT REQUIRED AT STAIRWAYS IN BUILDINGS EQUIPPED THROUGHOUT WITH AN AUTOMATIC SPRINKLER SYSTEM (1009.3.3 EXCEPTION 2)

EGRESS LIGHTING

 THE MEANS OF EGRESS LIGHTING SHALL NOT BE LESS THAN 1 FOOT CANDLE AT THE WALKING SURFACE ALONG THE EXIT ACCESS TO THE R.O.W. IN THE EVENT OF A POWER SUPPLY FAILURE, A BACKUP ELECTRICAL SYSTEM SHALL AUTOMATICALLY ILLUMINATE THE PATH OF EGRESS AS REQUIRED BY OSSC 1008.3. ASSEMBLY AREAS WITHOUT FIXED SEATING SHALL HAVE THE MINIMUM REQUIRED LIGHTING LEVELS OVER THE FULL AREA. EMERGENCY LIGHTING SHALL BE PROVIDED FOR A MINIMUM OF 90 MINUTES. REFER TO ELECTRICAL PLANS FOR SPECIFIC LIGHTING FIXTURE LOCATIONS.

**CHAPTER 29: PLUMBING FIXTURE COUNT REQUIREMENTS** 

PLUMBING FIXTURE COUNT TABLE:
PER OSSC CHAPTER 29 AND TABLE 2902.1

TOTAL OCCUPANTS = 636

OCCUPANCY	TOTAL	OCCUPANTS		WC LOAD	WC R	EQ'D PE	R SEX	LAV	LOAD	LAV REQ'D PER SE	X	DRNKNG FOUNTAIN
GROUP	OCCUPANTS PER GROUP	PER SEX (50/50)	MALE	FEMALE	MALE		FEMALE	MALE	FEMALE	MALE	FEMALE	REQ'D
					WC	UR	WC					
Α	219	109	1 PER 125	1 PER 65	0.8		1.7	1 PER 200	1 PER 200	0.545	0.545	1 PER FLOOR
R	419	209		/25 -1ST 50 AND /50 REMAINDER	5.2		5.44		T 80 AND MAINDER	3.6	3.6	-
<u> </u>	413	TOTAL REQ'D (ROUNDED UP)			6		8.0			5	5	1
	TOTAL PROVIDED						7			5	5	2

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Key Plan

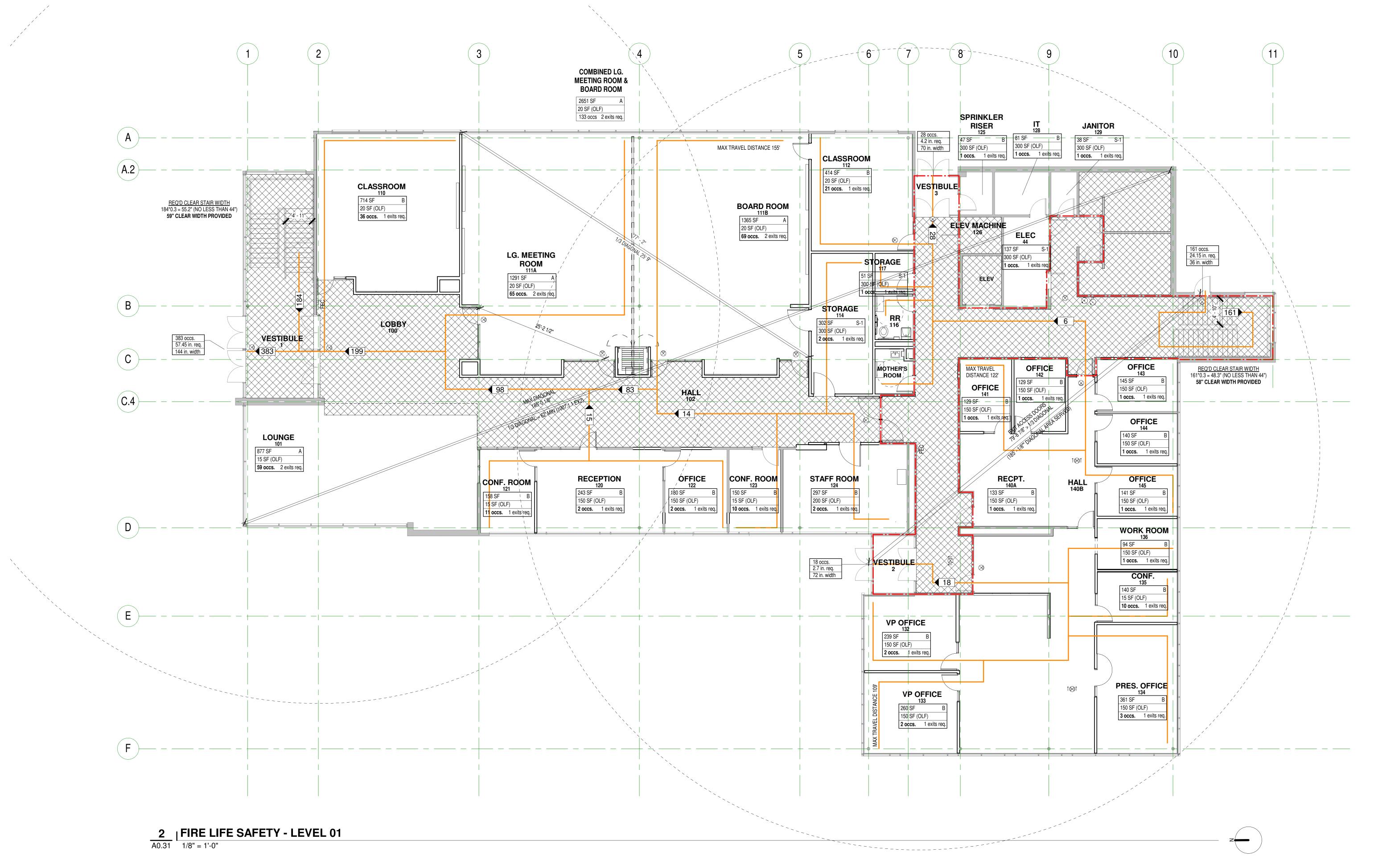
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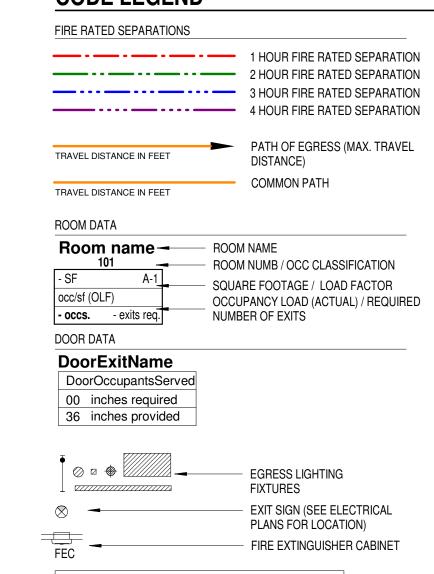
A0.20



## LIFE SAFETY SHEET NOTES

# opsis

#### **CODE LEGEND**



NOTE: SEE DOOR SCHEDULE FOR FIRE RATED DOORS

AREA NOT INCLUDED IN OCCUPANCY CALCULATIONS

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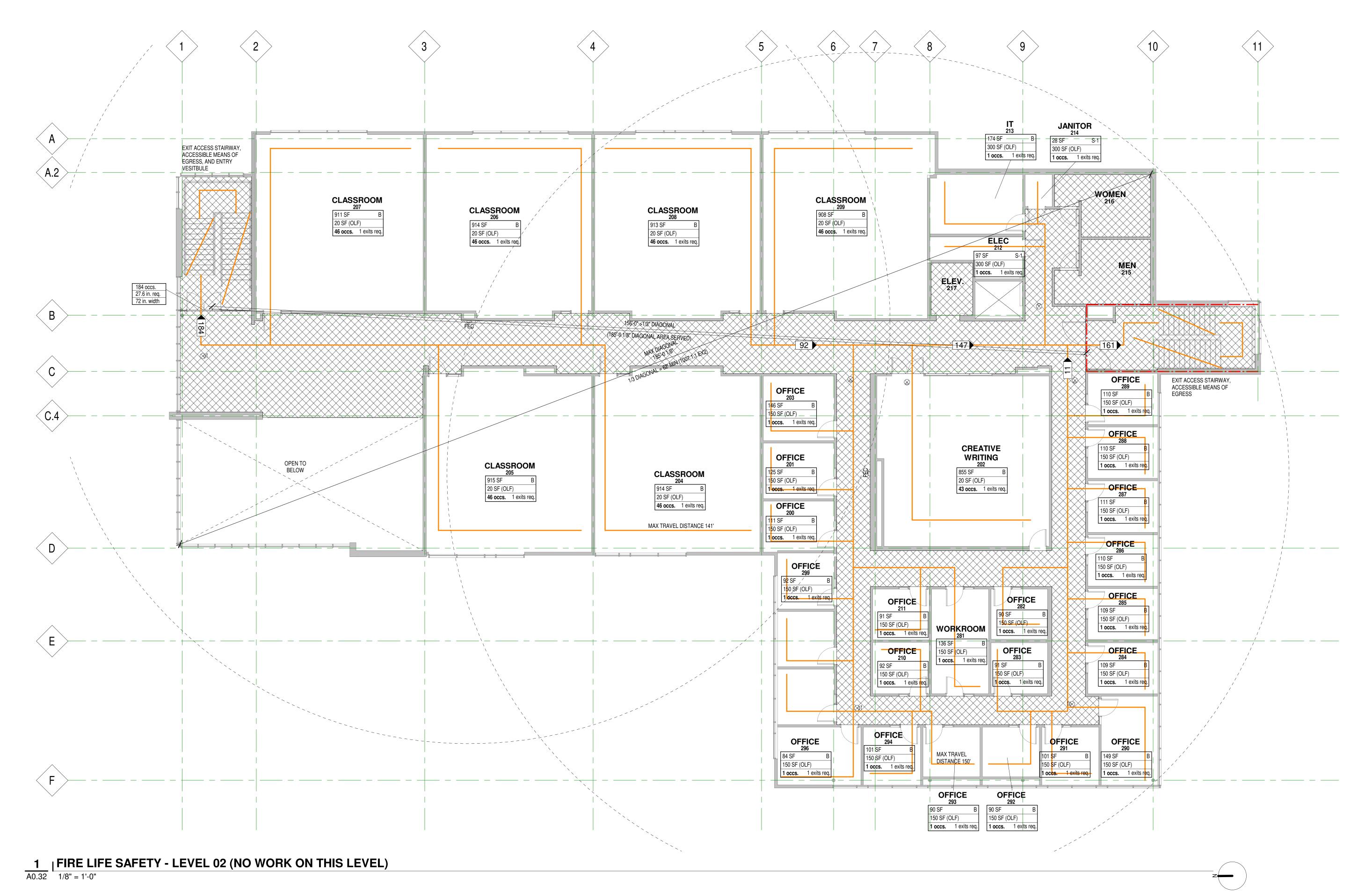
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Sheet Title
FIRE & LIFE

FIRE & LIFE
SAFETY PLANLEVEL - 01

A0.31

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plotted: 11/16/2021 11:09:17 AM sheet size: 30" v 42"



#### LIFE SAFETY SHEET NOTES

**CODE LEGEND** FIRE RATED SEPARATIONS 1 HOUR FIRE RATED SEPARATION 2 HOUR FIRE RATED SEPARATION 4 HOUR FIRE RATED SEPARATION PATH OF EGRESS (MAX. TRAVEL DISTANCE) COMMON PATH TRAVEL DISTANCE IN FEET **ROOM DATA** ROOM NAME ROOM NAME ROOM NUMB / OCC CLASSIFICATION SQUARE FOOTAGE / LOAD FACTOR
 OCCUPANCY LOAD (ACTUAL) / REQUIRED NUMBER OF EXITS

DOOR DATA DoorExitName DoorOccupantsServed 00 inches required

occ/sf (OLF)
- occs. - exits req.

36 inches provided - EGRESS LIGHTING FIXTURES - EXIT SIGN (SEE ELECTRICAL PLANS FOR LOCATION) FIRE EXTINGUISHER CABINET NOTE: SEE DOOR SCHEDULE FOR FIRE RATED DOORS

> AREA NOT INCLUDED IN OCCUPANCY CALCULATIONS

NOTE: THERE IS TO BE NO WORK ON LEVEL 02. FIRE & LIFE SAFTEY PLAN PROVIDED FOR REFERENCE ONLY

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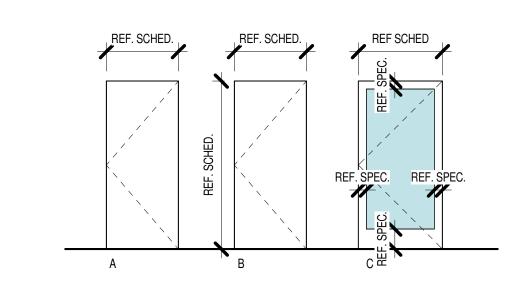
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FIRE & LIFE SAFETY PLAN LEVEL - 02

A0.32

							DOO	R SCHEDULE	•				
				Do	oor				Frame				
Door Number	Туре	Width	Height	Thickness	Material	Finish	Under Cut	Туре	Material	Finish	Fire Rating	Hardware	Comments
110-1	A	3' - 0"	8' - 0"	1 3/4"	WD-B	CLEAR	HM	1-1	HM	MATCH EXISTING		08	
111A-1	Α	3' - 0"	8' - 0"	1 3/4"	WD-B	CLEAR	HM	1-1	HM	MATCH EXISTING		13	
111A-2	Α	3' - 0"	8' - 0"	1 3/4"	WD-B	CLEAR	HM	1-1	HM	MATCH EXISTING		13	
111B-1	Α	3' - 0"	8' - 0"	1 3/4"	WD-B	CLEAR	HM	1-1	HM	MATCH EXISTING		13	
111B-2	A	3' - 1"	8' - 0"	1 3/4"	WD-B	CLEAR	HM	1-1	HM	MATCH EXISTING		13	
112-1	Α	3' - 0"	7' - 0"	1 3/4"	WD-B	CLEAR	HM	1-1	HM	MATCH EXISTING	45 MIN	11	
112-2	Α	3' - 0"	7' - 0"	2"	WD-B	CLEAR	HM	1-1	HM	MATCH EXISTING	-	09	
114-1	Α	4' - 0"	7' - 0"	2"	WD-B	CLEAR	HM	1-1	HM	MATCH EXISTING		10	
114-2	A	4' - 0"	7' - 0"	2"	WD-B	CLEAR	HM	1-1	HM	MATCH EXISTING		03	
115-1	A	3' - 0"	7' - 0"	2"	WD-B	CLEAR	HM	1-1	HM	MATCH EXISTING	45 MIN	02	
116-1	Α	3' - 0"	7' - 0"	2"	WD-B	CLEAR	HM	1-1	HM	MATCH EXISTING	45 MIN	02	
117-1	Α	3' - 0"	7' - 0"	2"	WD-B	CLEAR	HM	1-1	HM	MATCH EXISTING	45 MIN	04	
120-1	Α	3' - 0"	8' - 0"	1 3/4"	WD-B	CLEAR	HM	1-1	HM	MATCH EXISTING		06	
121-1	С	3' - 0"	8' - 0"	1 1/2"	GLASS		HM		HM	MATCH EXISTING		01	
122-1	Α	3' - 0"	8' - 0"	1 3/4"	WD-B	CLEAR	HM	1-1	HM	MATCH EXISTING		01	
124-1	Α	4' - 0"	7' - 0"	2"	WD-B	CLEAR	HM	1-1	HM	MATCH EXISTING		05	
131-2	Α	3' - 0"	7' - 0"	1 3/4"	WD-B	CLEAR	HM	1-1	HM	MATCH EXISTING		07	
132-1	В	3' - 0 5/8"	7' - 0"	1 3/4"	WD-A	EXISTING	EXI	ISTING	EXISTING	EXISTING		14	SALVAGED EXISTING DOOR AND RELITE. REPAIR & REPAINT AS NECESSARY
133-1	В	3' - 0"	7' - 0"	1 3/4"	WD-A	EXISTING	EXI	ISTING	EXISTING	EXISTING		14	SALVAGED EXISTING DOOR AND RELITE. REPAIR & REPAINT AS NECESSARY
134-1	В	3' - 0"	7' - 0"	1 3/4"	WD-A	EXISTING	EXI	ISTING	EXISTING	EXISTING		14	SALVAGED EXISTING DOOR AND RELITE. REPAIR & REPAINT AS NECESSARY
135-1	В	2' - 11 3/8"	7' - 0"	1 3/4"	WD-A	EXISTING	EXI	ISTING	EXISTING	EXISTING		14	SALVAGED EXISTING DOOR AND RELITE. REPAIR & REPAINT AS NECESSARY
140B-1	A	3' - 0"	7' - 0"	2"	WD-B	CLEAR	HM	1-1	HM	MATCH EXISTING	45 MIN	12	
141-1	В	3' - 0"	7' - 0"	1 3/4"	WD-A	EXISTING				EXISTING		14	SALVAGED EXISTING DOOR AND RELITE. REPAIR & REPAINT AS NECESSARY
142-1	В	3' - 0"	7' - 0"	1 3/4"	WD-A	EXISTING	EXI	ISTING	EXISTING	EXISTING		14	SALVAGED EXISTING DOOR AND RELITE. REPAIR & REPAINT AS NECESSARY
143-1	В	3' - 0"	7' - 0"	1 3/4"	WD-A	EXISTING	EXI	ISTING	EXISTING	EXISTING		14	SALVAGED EXISTING DOOR AND RELITE. REPAIR & REPAINT AS NECESSARY
144-1	В	3' - 0"	7' - 0"	1 3/4"	WD-A	EXISTING	EXI	ISTING	EXISTING	EXISTING		14	SALVAGED EXISTING DOOR AND RELITE. REPAIR & REPAINT AS NECESSARY
145-1	В	2' - 11 1/8"	7' - 0"	1 3/4"	WD-A	EXISTING	EXI	ISTING	EXISTING	EXISTING		14	SALVAGED EXISTING DOOR AND RELITE. REPAIR & REPAINT AS NECESSARY
E-414	D	4' - 0"	7' - 0"	2"	WD-A	EXISTING	EXI	ISTING	EXISTING	EXISTING	45		EXISTING RATED DOORWAY TO BE REMOVED AND RELOCATED PER PLANS
E-415	D	4' - 0"	7' - 0"	2"		EXISTING	EXI	ISTING	EXISTING	EXISTING	45		EXISTING RATED DOORWAY TO BE REMOVED AND RELOCATED PER PLANS



1 DOOR TYPES
1/4" = 1'-0"

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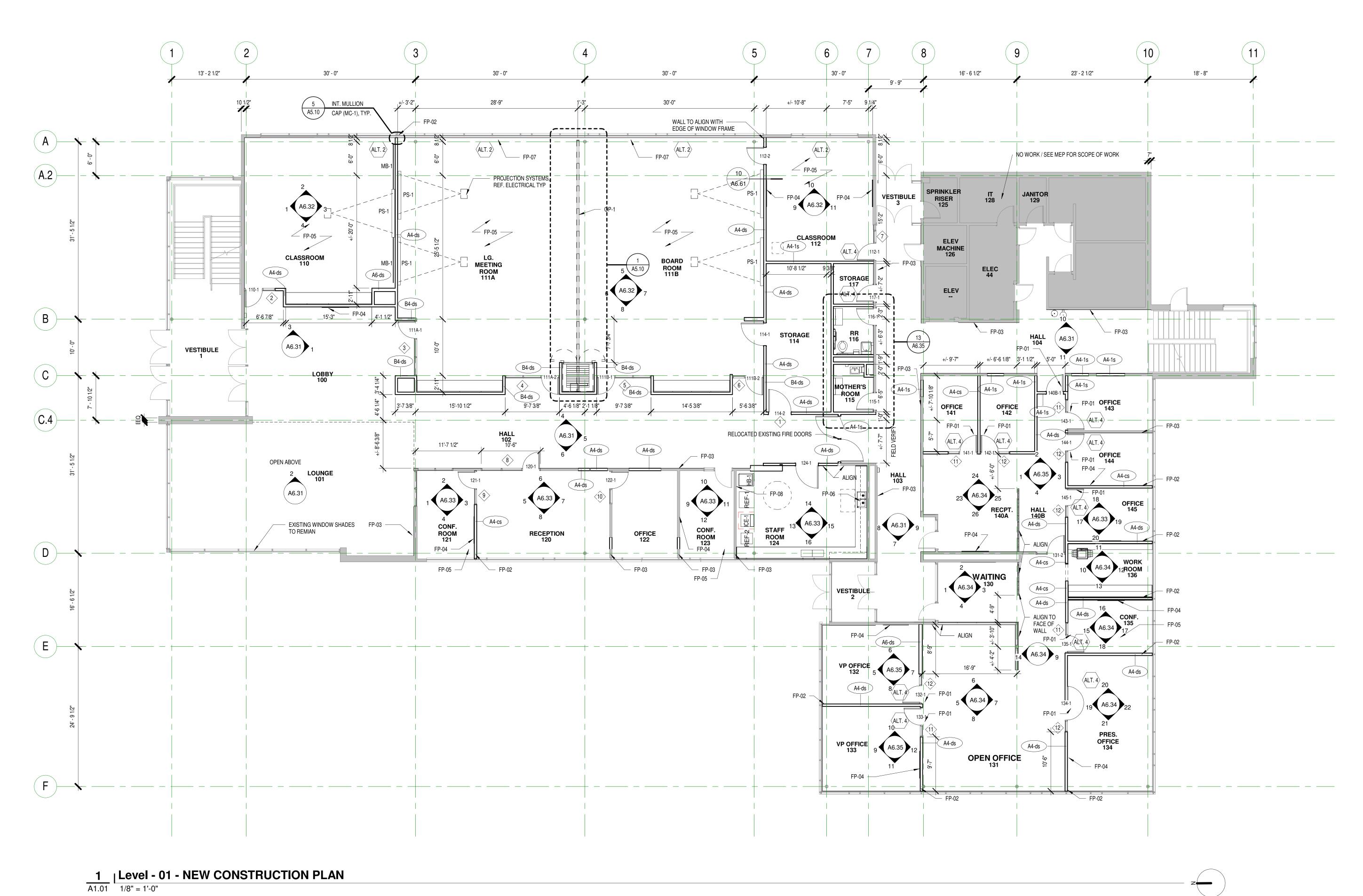
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Date: 11/15/
Sheet Title
DOOR
SCHEDULE AND
DOOR TYPES 11/15/2021

A0.70



FLOOR PLANS SHEET NOTES

- REFERENCE SHEET A0.00 FOR MOUNTING HEIGHTS AND GENERAL INFORMATION.
  REFERENCE EXTERIOR ELEVATIONS FOR EXTERIOR MATERIALS PROVIDE BLOCKING AT LOCATIONS TO RECEIVE NEW TOILET
- ACCESSORIES.
- COORD. W/ OWNER FOR LOCATION OF BLOCKING FOR ALL WALL MOUNTED MONITOR AND OTHER WALL MOUNTED ITEM LOCATIONS.
   SALVAGE AND REUSE EXISTING DOORS AND RELITES TO THE
- GREATEST EXTENT.
  WHEN NEW WORK ABUTS OR FINISHES FLUSH WITH EXISTING WORK,
  MAKE A SMOOTH WORKMAN-LIKE TRANSITION. PATCHED WORK
- SHALL MATCH ADJACENT EXISTING WORK IN TEXTURE AND FINISH.

  7. ALL WORK IS TO OCCUR AT LEVEL 1 UNO.

ALT. 1) PROVIDE ALT. COST FOR ALL NEW ACT-1 AND GRID IN LOBBY 101 AND HALL 102. BASE: EXISTING TO REMAIN, NEW PAINT.

ALT. 2 PROVIDE ALT. COST FOR NEW WSH-1, MAUAL ROLLER SHADES AT CLASSROOMS 110, 112, MEETING ROOM 111A, BOARD ROOM 111B. BASE: EXISTING BLINDS AT EXTERIOR WINDOWS REMAIN.

ALT. 3) PROVIDE NEW TYPE "W" LED WALL MOUNTED LIGHTING FIXUTRES IN HALLS 103 & 104. REF. ELECTRICAL. BASE BID: EXISTING FLOURESCENTS TO REMAIN.

(ALT. 4) PROVIDE NEW DOORS AND RELITES.

#### **FLOOR PLAN LEGEND**

NEW WALL

EXISTING WALL

#### FLOOR PLAN KEY NOTES

- FP-01 RELOCATE RELITES AND DOORS SALVAGED FROM DEMO. REF. DEMO FP-02 CENTER NEW WALLS ON MULLIONS TYP.
  FP-03 EXISTING WALL TO REMAIN.
  FP-04 WALL MOUNTED OFOI MOUNTOR, PROVIDE WALL BACKING. VERIFY
- LOCATION. REF. ELECTRICAL.

  FP-05 FLOOR ELECTRICAL BOX, VERIFY LOCATION W/ OFOI FURNTIURE. REF. ELECTRICAL. SEE 8/A6.62 FOR DETAIL.
- FP-06 REFERENCE MECHANICAL FOR SINK.
  FP-07 PATCH AND REPAIR WALLS BELOW WINDOW SILL WHERE ACOUSTIC
- PANELS WERE INSTALLED, TYP FP-08 PATCH AND REPAIR WALL WHERE CASEWORK WAS REMOVED.

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Project Owner: **CLACKAMAS COMMUNITY COLLEGE** 

Project Name: CCC ROOK HALL TENANT IMPROVEMENT

Project Adress: 19600 SOUTH MOLALLA AVE. **OREGON CITY, OR 97054** 

Key Plan

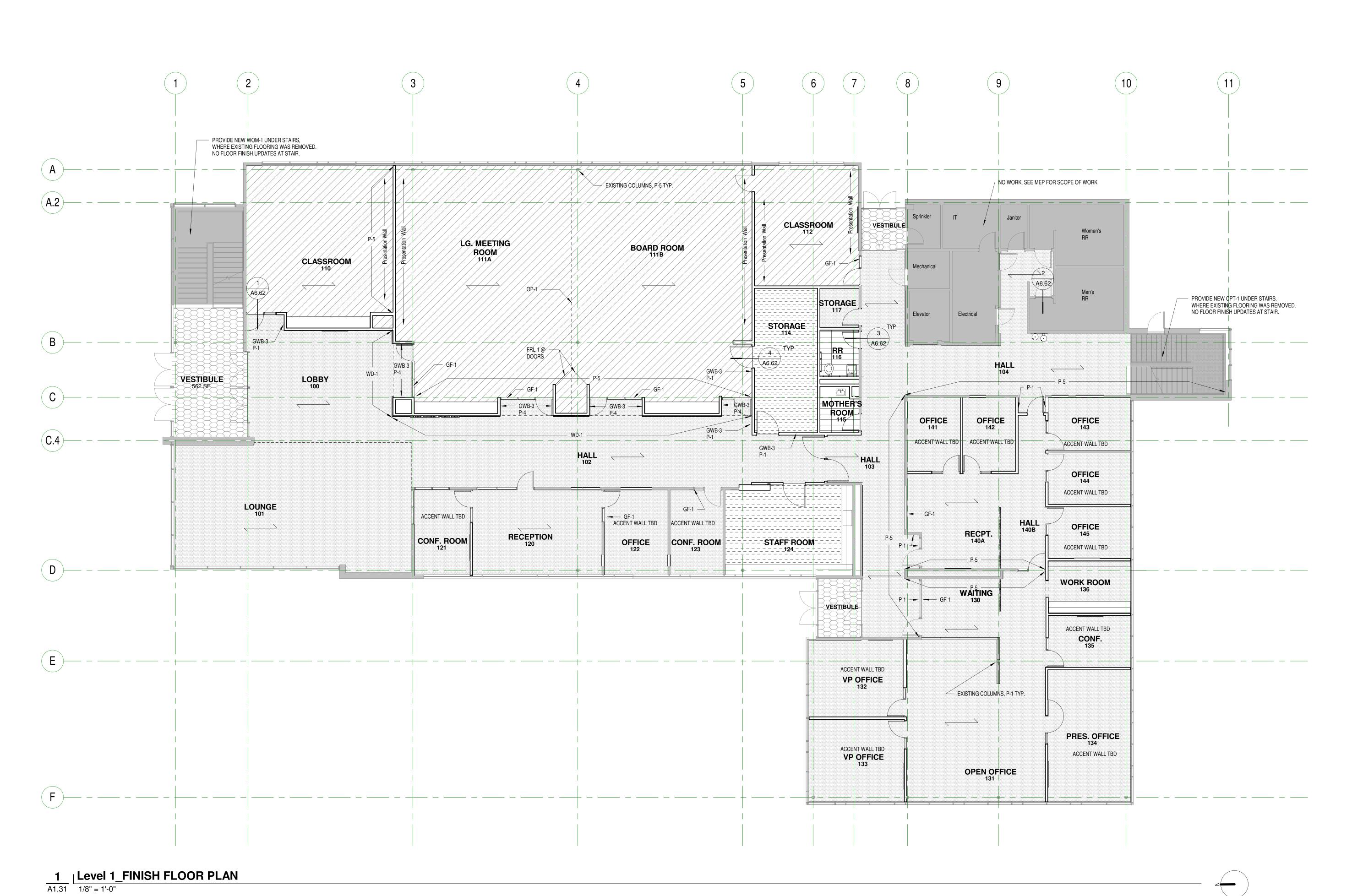
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**FLOOR PLAN** LEVEL - 01 NEW CONSTRUCTION

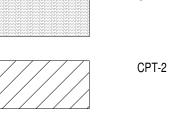
A1.01



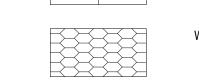


#### FINISH PLANS SHEET NOTES

- 1. REFERENCE SHEET A0.00 FOR MOUNTING HEIGHTS AND GENERAL REFERENCE SHEET AUJUL FOR MICOUNTING TIEDLING SELECTION.
   REFERENCE LIGHTING / ELECTRICAL FOR LIGHTING TYPES. NOT ALL LIGHTING IS SHOWN ON THE ARCHITECTURAL PLAN.
   REFERENCE PLUMBING FOR FIXTURE COORDINATION.
   ALL OUTSIDE INTERIOR CORNERS TO RECIEVE 4' HIGH S.S. CORNER
- GUARDS TYP. PROVIDE BLOCKING AT LOCATIONS TO RECEIVE NEW TOILET
- ACCESSORIES
- COORD. W/ OWNER FOR LOCATION OF BLOCKING FOR ALL WALL MOUNTED MONITOR AND OTHER WALL MOUNTED ITEM LOCATIONS.
  REUSE EXISTING DOORS AND RELITES TO THE GREATEST EXTENT.
- REUSE EXISTING WINDOW BLINDS TO GREATEST EXTENT.
  FLOOR TRANSITIONS TO OCCUR AT CENTERLINE OF DOOR FRAME UNO.
- REFERENCE INTERIOR ELEVATIONS FOR INTERIOR FINISHES.
  REFERENCE FINISH LEGEND AND SCHEDULE ON SHEET A6.30 FOR FINISH ABBREVIATIONS AND SYMBOLS. 12. COORDINATE WITH BUILDING OWNER WHERE NEW FINISHES MEET
- 13. COORDINATE WITH ELECTRICAL FOR FLOOR BOX LOCATIONS 14. WHEN NEW WORK ABUTS OR FINISHES FLUSH WITH EXISTING WORK, MAKE A SMOOTH WORKMAN-LIKE TRANSITION. PATCHED WORK SHALL MATCH ADJACENT EXISTING WORK IN TEXTURE AND FINISH.



**FLOOR FINISH LEGEND** 



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Key Plan

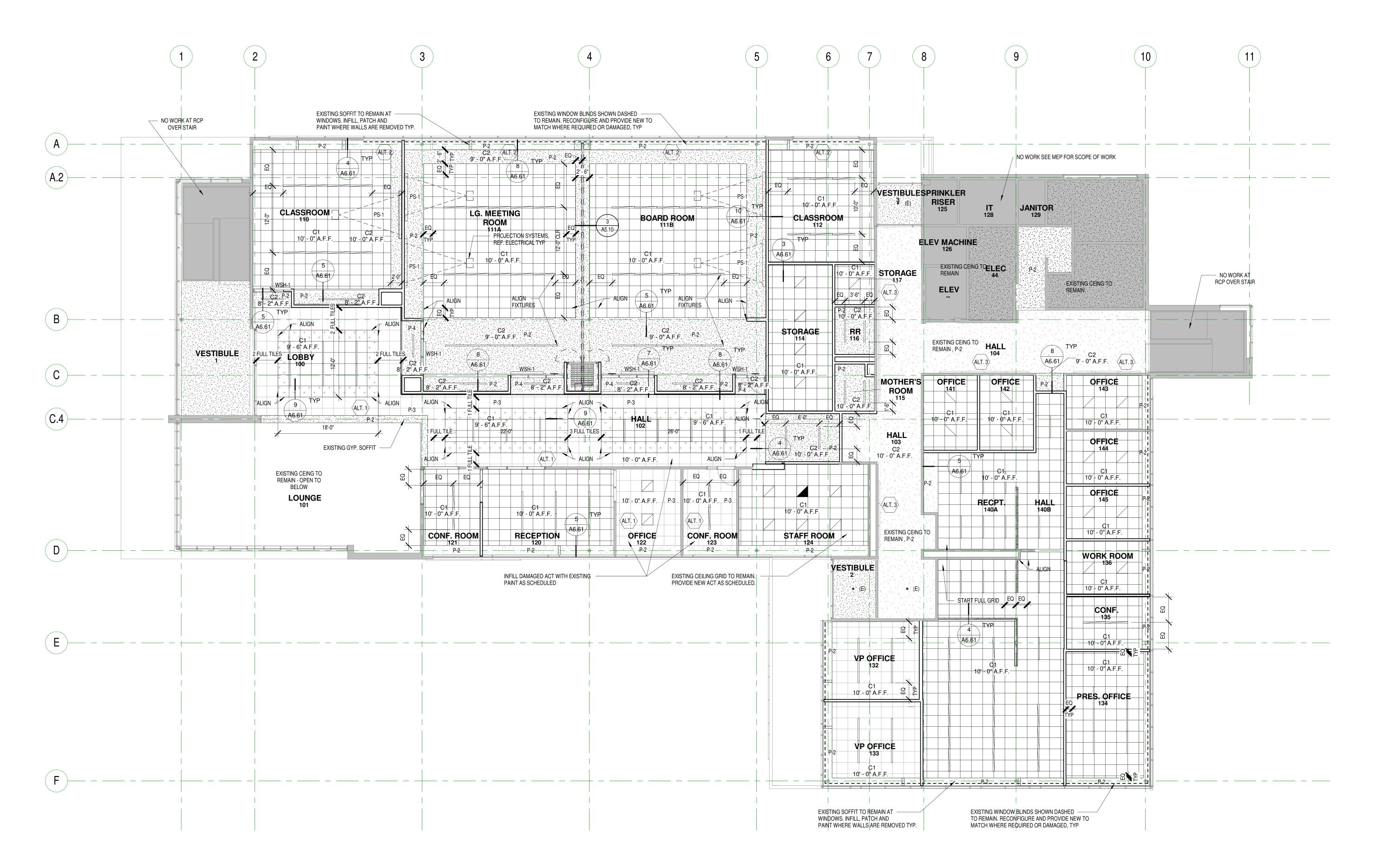
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Sheet Title
FINISH PLAN
LEVEL - 01

A1.31



1 | level 01 RCP | 1/8" = 1'-0"



#### **CEILING PLAN SHEET NOTES**

- REFERENCE ELECTRICAL/LIGHTING FOR LIGHTING BASIS OF
- REFERENCE SHEET A0.00 FOR CEILING ASSEMBLY INFORMATION ALL HVAC DIFFUSERS, SPRINKLER HEADS AND CEILING MOUNTED EQUIPMENT TO BE COORDINATED WITH ARCHITECTURAL CEILING PLANS IN CONJUNCTION WITH
- RESPECTIVE DISCIPLINES 4. CENTER CEILING TILE IN ROOM AND LIGHT FIXTURES IN TILES
- 5. CENTER ALL SPEAKERS AND INTERCOM DEVICES IN CEILING TILE. REFERENCE TECH SHEETS.

ALL EXPOSED STEEL, ARCHITECTURAL METAL, METAL DECKING,

- CONDUIT, PIPING, DUCT WORK, ETC, TO BE PAINTED P-2, UNO, WITH THE EXCEPTION OF MECHANICAL, ELECTRICAL, BDF, IDF AND FIRE RISER ROOMS 7. ALL EXTERIOR OVERHANGS GREATER THAN 4' TO HAVE FIRE
- SPRINKLER PROTECTION ALL FIRE SPRINKLER PIPING ADJACENT TO STEEL STRUCTURE
- TO BE PAINTED P-2. 9. ALL EXPOSED DUCTWORK, ROOF DRAINS, PIPING AND CONDUIT TO BE PAINTED P-2.
- 10. ALL EXPOSED INTERIOR STEEL TO BE PAINTED P-2, UNO, WITH THE EXCEPTION OF MECHANICAL, ELECTRICAL, MDF, IDF AND
- 11. REFERENCE FINISH LEGEND AND SCHEDULE ON SHEET A6.30 FOR FINISH ABBREVIATIONS AND SYMBOLS. 12. WHEN NEW WORK ABUTS OR FINISHES FLUSH WITH EXISTING WORK, MAKE A SMOOTH WORKMAN-LIKE TRANSITION. PATCHED WORK SHALL MATCH ADJACENT EXISTING WORK IN TEXTURE

FIRE RISER ROOMS.

AND FINISH.

**CEILING LEGEND** 

(ALT. 1) PROVIDE ALT. COST FOR ALL NEW ACT-1 AND GRID IN LOBBY 101 AND HALL 102. BASE: EXISTING TO REMAIN, NEW PAINT.

(ALT. 2) PROVIDE ALT. COST FOR NEW WSH-1, MAUAL ROLLER SHADES AT CLASSROOMS 110, 112, MEETING ROOM 111A, BOARD ROOM 111B. BASE: EXISTING BLINDS AT EXTERIOR WINDOWS REMAIN.

ALT. 3 PROVIDE NEW TYPE "W" LED WALL MOUNTED LIGHTING FIXUTRES IN HALLS 103 & 104. REF. ELECTRICAL. BASE BID: EXISTING FLOURESCENTS TO REMAIN.

(ALT. 4) PROVIDE NEW DOORS AND RELITES. BASE BID: EXISTING TO BE REUSED IN CONSTRUCTION.

ACT-1 - NEW

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Key Plan

Project Name:

PAINTED GYPSUM WALL BOARD - NEW

ACT-1 / ACT-2 - CLOUD OVERLAP CONDITION

ACT-3 - NEW TILE, EXISTING GRID

ACT-2 - EXISTING, NEW PAINT

PAINTED GYPSUM WALL BOARD - EXISTING

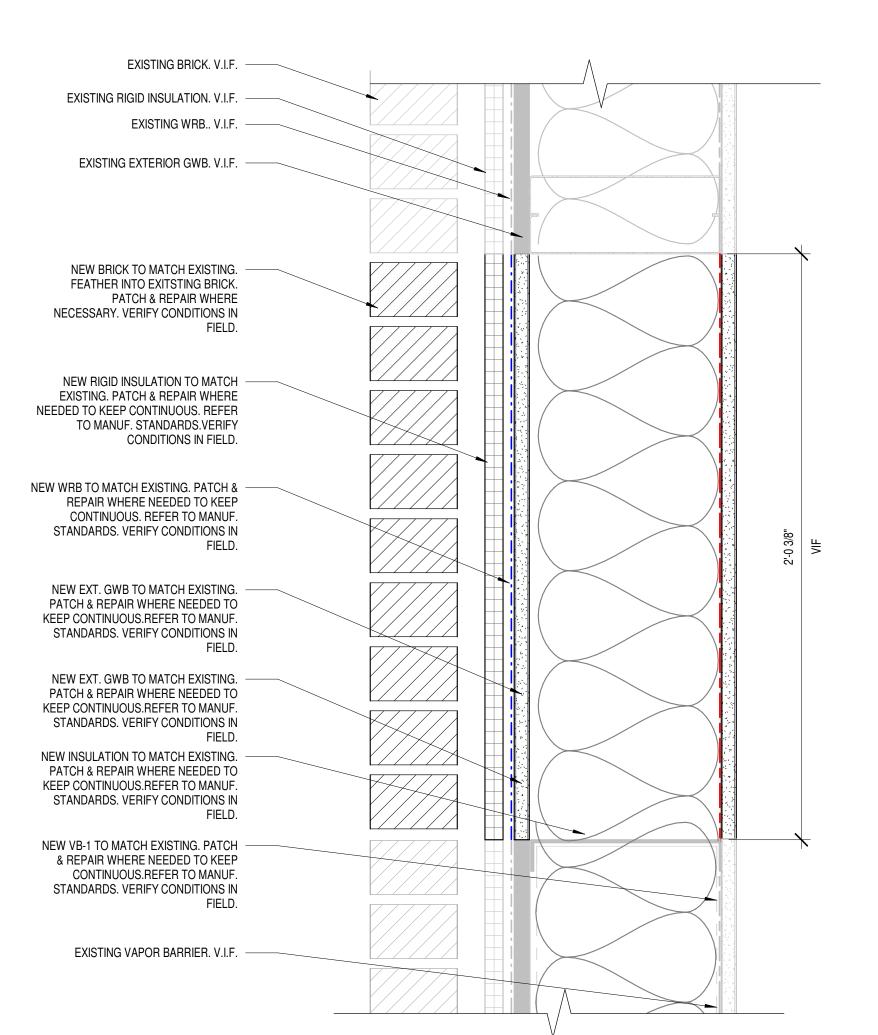
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Sheet Title REFLECTED CEILING PLAN LEVEL - 01

A1.71



2 | FORMER DEPOSIT BOX INFILL | 3" = 1'-0"



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Date:
Sheet Title
EXTERIOR
DETAILS

A4.50

4793-01

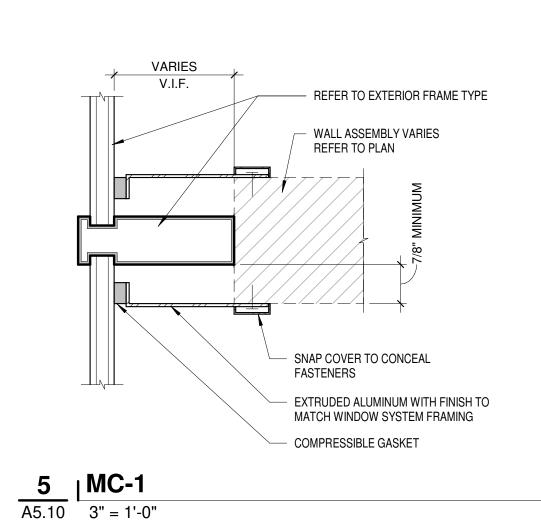
S.S. FLASHING W/ GASKETED FASTENER TERMINATION AND SEALANT AT T.O.
 ROOF MEMBRANE PER ROOFING
 MANUFACTURER REFRENCE EXISTING CONDITIONS FOR ROOF TYPES REGLET FLASHING AT T.O.
 VERTICAL ROOF MEMBRANE FLASHING ---- WRAP VB-1 UP TO TOP OF CURB - RIGID INSULATION - ROOF MEMBRANE SYSTEM. MATCH EXISTING INSIDE AND OUTSIDE CORNERS IN ROOF MEMBRANE AND FLASHING SYSTEM PER MANUF STANDARD DETAILS TYP THROUGHOUT INSULATED DUCT. REF.
 MECHANICAL FOR DUCT
 TYPE AND DIMENSIONS  $\frac{1}{A4.50} | \frac{\text{ROOF DUCT PENETRATION}}{3" = 1'-0"}$ 

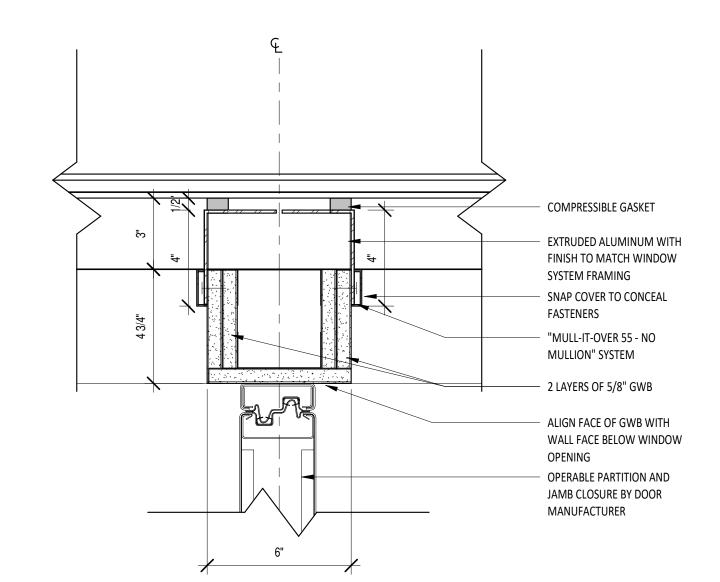
r\_\_\_\_\_\_

EXHAUST FAN, MECH UNIT W/ CURB CAP FLASHING, SECURE TO CURB, SEE MECH.

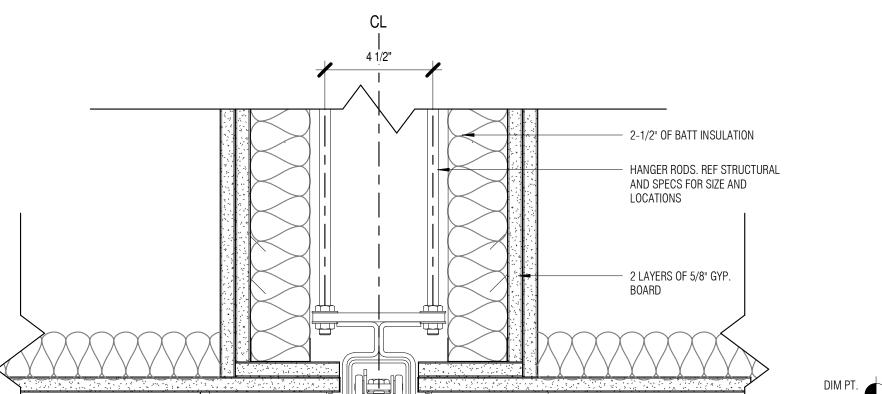
PROVIDE CONTINUOUS SEALANT AT BASE OF MECH

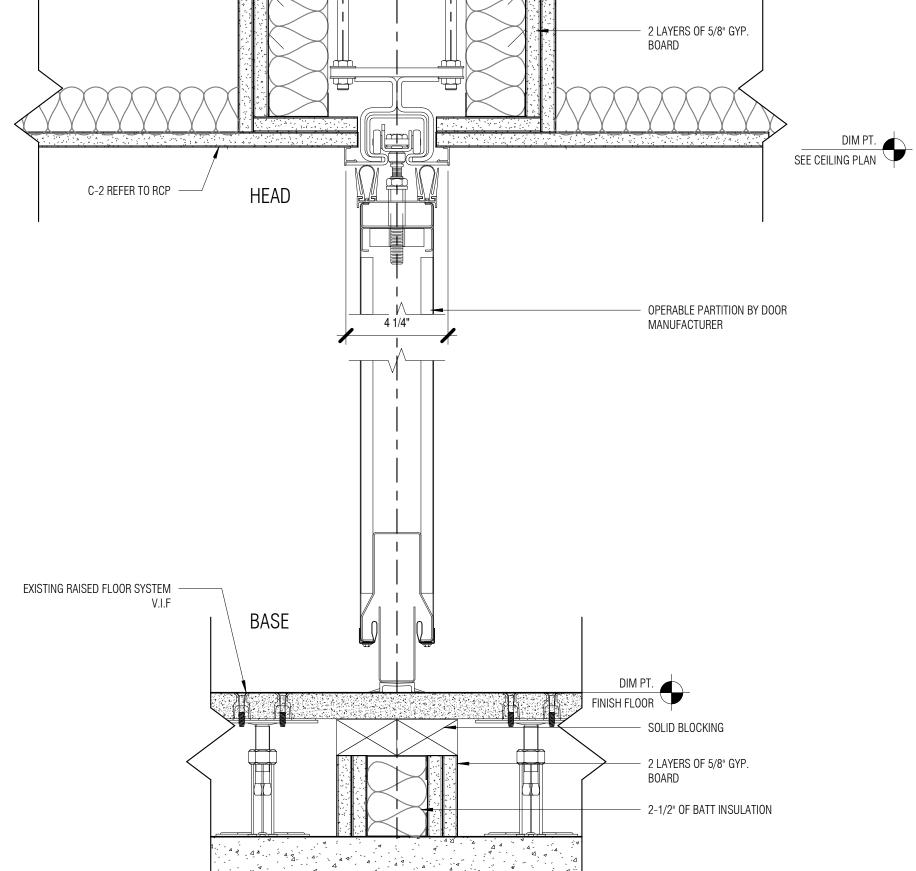
18 GA. PREFABRICATED SHEET METAL CURB





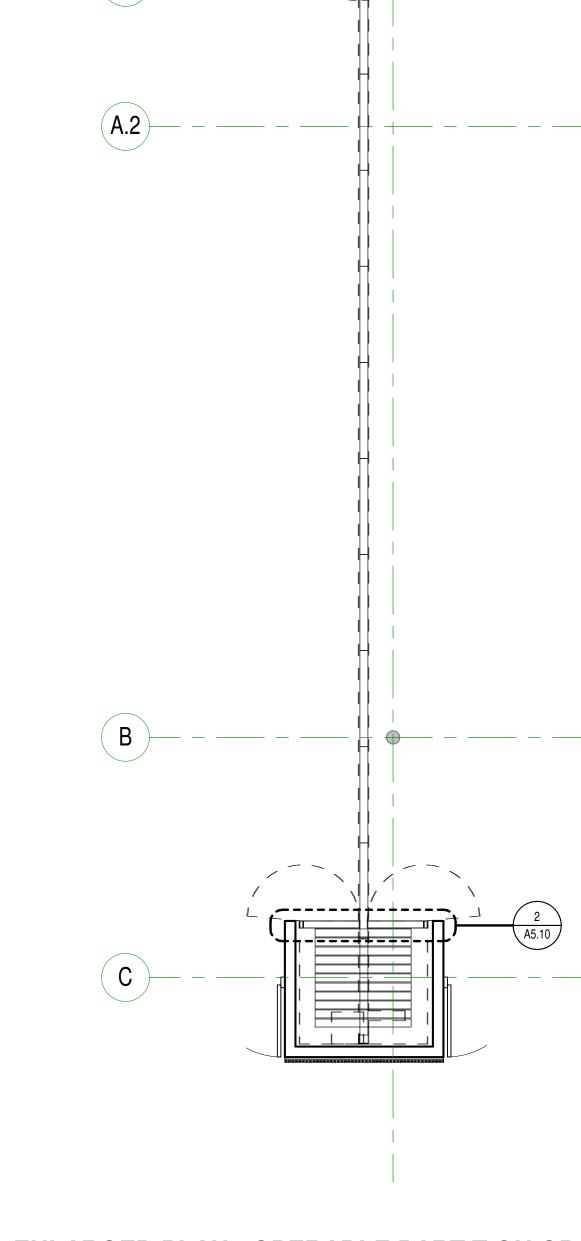
# 4 PLAN DETAILS - OP-1 @ EXISTING WINDOW 3" = 1'-0"





/ 3/4" GWB CLAD OP-1

POCKET DOORS



# 1/4" = 1'-0" | ENLARGED PLAN - OPERABLE PARTITION OP-1

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ALIGN 🔪 - IMPACT RESITANT GWB

/ 3/4" GWB CLAD OP-1

POCKET DOORS

— SOUND ATTENUATION INSULATION

2/A5.10 | PLAN DETAILS - OP-1 POCKET DOOR @ GWB

IMPACT RESITANT GWB

SOUND ATTENUATION INSULATION

3 | SECTION DETAIL @ OPERABLE PARTION OP-1 | 3" = 1'-0"

ALIGN E

Sheet Title
ENLARGED
PLANS &
ELEVATIONS

Sheet No.

A5.10

4793-01

BID SET

11/15/2021

# Level 1 O" Level 1 O" HM-1 WWW.opsisarch.com WWW.opsisarch.com WWW.opsisarch.com ARI-1278 JOHN J SHOP AG.00 AG.00 AG.00 DOOR AS SCHED.

**INTERIOR OPENINGS SHEET NOTES** 

OVERALL DIMENSIONS ARE TO ROUGH OPENINGS OF FRAMES, UNO INTERMEDIATE DIMENSIONS ARE TO CENTERLINE OF MULLION SEE DOOR SCHEDULE FOR DOOR SIZES AND HARDWARE INFORMATION

TYPE LOCATIONS

5. ALL DIMENSIONS TO BE VERIFIED IN FIELD PRIOR TO FABRICATION OF

REFER TO FLOOR PLANS & INTERIOR/EXTERIOR ELEVATIONS FOR FRAME

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HOLLOW METAL FRAME ASSEMBLY, REFER TO SCHEDULE FOR ACOUSTICAL ROMTS

AVAILES PER WALL TYPE

MIN' MHERE MALL OCCURS

HOLLOW METAL FRAME

ASSEMBLY, REFER TO SCHEDULE FOR ACOUSTICAL ROMTS

DOOR AS SCHEDULED



HOLLOW METAL FRAME
 ASSEMBLY, REFER TO
 SCHEDULE FOR
 ACOUSTICAL RQMTS

 GLAZING AS REQUIRED -SET TO PUBLIC SIDE OF WALL

17 A6.00 TYP. HOLLOW METAL RELITE HEAD/JAMB
3" = 1'-0"

18 | TYP. HOLLOW METAL RELITE INTERMEDIATE | 3" = 1'-0"

HM FRAME

HEEL BEAD

- PARTITION WHERE OCCURS

 HOLLOW METAL FRAME ASSEMBLY, REFER TO

SCHEDULE FOR

- GLAZING TAPE

WALL

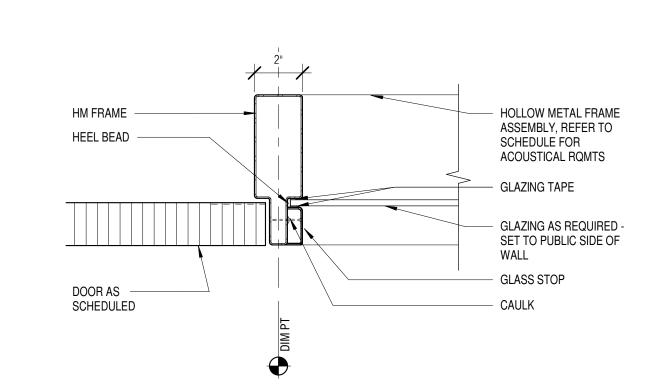
- CAULK

- GLASS STOP

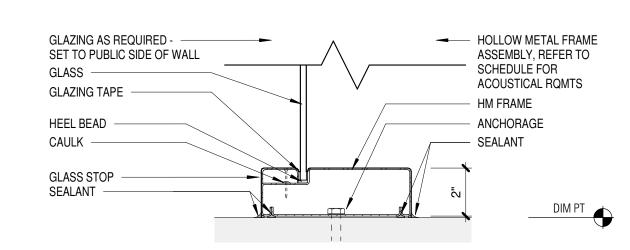
ACOUSTICAL RQMTS

- GLAZING AS REQUIRED -

SET TO PUBLIC SIDE OF



15 A6.00 | TYP. HOLLOW METAL RELITE @ DOOR 3" = 1'-0"



16 A6.00 TYP. HOLLOW METAL RELITE SILL
3" = 1'-0"

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No. Revision

Sheet Title
INTERIOR
FRAMED
OPENINGS &
DETAILS

Sheet No. **A6.00** 



Room Finish Schedule											
Room					ı	Walls				Casework	
Numbe				North	East	South	West				
r	Room Name	Floor Finish	Base Finish	Finish	Finish	Finish	Finish	Ceiling Finish	Lower	Counter	Upper
									1		
	ELEV		-	-	-	-	-	-			
1	VESTIBULE	CPT-1, WOM-1	RB-1	-	-	-	-	-			
3	VESTIBULE	WOM-1	RB-1	-	-	-	-	-			
44	ELEC	-	-	-	-	-	-	-			
100	LOBBY	CPT-1	RB-2	P-1	P-1	WD-1, GWB-3, P-4	<del>-</del>	ACT-1, ACT-2, GYP, P-2			
101	LOUNGE	CPT-1	RB-1	-	-	P-1	P-1	Repair where mobile art is removed and paint to match existing color.			
102	HALL	CPT-1	RB-2, RB-1	-	WD-1, GWB-3, P-4	P-1	P-1	ACT-1, ACT-2, GYP, P-2			
103	HALL	CPT-1	RB-1	P-1	P-1	P-5, GF-1	P-1	GYP, P-1			
104	HALL	CPT-1	RB-1	-	P-1	-	P-5	GYP, P-1			
110	CLASSROOM	CPT-1	RB-2	P-1	P-1	P-5	P-1	ACT-1, GYP, P-2	PL-1	SS-1	-
111A	LG. MEETING ROOM	CPT-2	RB-2	P-1, GF-1	P-1	-	P-5, AWP-2, GF-1	ACT-1, GYP, P-2	PL-1	SS-1	-
111B	BOARD ROOM	CPT-2	RB-2	-	P-1	P-1	P-5, AWP-2, GF-1	ACT-1, GYP, P-2	PL-1	SS-1	-
112	CLASSROOM	CPT-2	RB-2	P-1	P-1	P-1, GF-1	P-1	ACT-1, GYP, P-2			
114	STORAGE	RF-1	RB-1	P-1	P-1	P-1	P-1	ACT-1			
115	MOTHER'S ROOM	T-1	T-2	P-1	T-3	P-1	P-1	GYP, P-2	-	PL-1	-
116	RR	T-1	T-2	T-3	P-1	P-1	T-3	GYP, P-2			
117	STORAGE	CPT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1			
120	RECEPTION	CPT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1, GYP, P-2			
121	CONF. ROOM	CPT-1	RB-1	P-1	P-1	P-X	P-1	ACT-1, GYP, P-2			
122	OFFICE	CPT-1	RB-1	P-1	P-1	P-X	P-1	ACT-1, GYP, P-2			

					Room Finish S	Schedule					
Room						Walls			Casework		
Numbe				North	East	South	West				
r	Room Name	Floor Finish	Base Finish	Finish Finish Finish Finish	Finish	Ceiling Finish	Lower	Counter	Uppe		
123	CONF. ROOM	CPT-1	RB-1	P-X	P-1	P-1	P-1	ACT-1, GYP, P-2			
124	STAFF ROOM	RF-1	RB-1	P-1	P-1	P-1	P-1	ACT-3, GYP, P-2	PL-3		PL-3
125	SPRINKLER RISER	-	-	-	-	-	-	-			
126	ELEV MACHINE	-	-	-	-	-	-	-			
128	IT	-	-	-	-	-	-	-			
129	JANITOR	-	-	-	-	-	-	-			
130	WAITING	CPT-1	RB-1	P-1, GF-1	P-5	WD-2	P-1, CTG-2, GF-1	ACT-1			
131	OPEN OFFICE	CPT-1	RB-1	P-1	P-1, CTG-2, GF-1	P-1, CTG-2, GF-1	P-1	ACT-1, GYP, P-2			
132	VP OFFICE	CPT-1	RB-1	P-1	P-X	P-1	P-1	ACT-1, GYP, P-2			
133	VP OFFICE	CPT-1	RB-1	P-1	P-X	P-1	P-1	ACT-1, GYP, P-2			
134	PRES. OFFICE	CPT-1	RB-1	P-X	P-1	P-1	P-1	ACT-1, GYP, P-2			
135	CONF.	CPT-1	RB-1	P-1, GF-1	P-X	P-1	P-1	ACT-1, GYP, P-2			
136	WORK ROOM	CPT-1	RB-1	P-1	P-1	P-1	P-1	ACT-1, GYP, P-2	PL-1	PL-2	PL-1
140A	RECPT.	CPT-1	RB-1	P-1, GF-1	P-1	WD-2	P-5	ACT-1, GYP, P-2			
140B	HALL	CPT-1	RB-1	WD-2	P-1	P-1	P-1	ACT-1			
141	OFFICE	CPT-1	RB-1	P-X	P-1	P-1	P-1	ACT-1			
142	OFFICE	CPT-1	RB-1	P-1	P-1	P-X	P-1	ACT-1			
143	OFFICE	CPT-1	RB-1	P-1	P-X	P-1	P-1	ACT-1, GYP, P-2			
144	OFFICE	CPT-1	RB-1	P-1	P-1	P-1	P-X	ACT-1, GYP, P-2			
145	OFFICE	CPT-1	RB-1	P-1	P-1	P-1	P-X	ACT-1, GYP, P-2			



Project Owner:
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Key Plan

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BID SET

11/15/2021

Sheet Title
ROOM FINISH
SCHEDULE

A6.20

DIVNUM DIVISION 03 CONCRETE	SECTION	KEY	NAME	MANUFACTURER	STYLE	COLOR	FINISH	NOTES
     	03 33 00	CONC-1	CIP		     		     	required at restroom/mother's room or structure under modern fold?
MASONRY								
METALS WOOD AND PLASTICS	. – – – – – – – – – – – – – – – – – – –							
		WD-3      MDE 1	Wood Trim  Medium Density Fiberboard		<b>Maple</b> 		Stain to match WD-2	as indicated on drawings
		MDF - 1   	Medium Density Fiberboard		13/4 x 46 x 96 , Medite Fh - Meditiff Defisity Fiberboard		Painted (ensure paint compatibili ensure Class 1 flame spread classification)	ly to
	· <del>+</del>	 PL-1	High PressurePlastic Laminate	   Wilsonart	 	<del> </del>	   Matte	Casework - verticals (lower and upper)
   	    +	+ <u>-</u>	 	   <del> </del>	   <del> </del>	   <del> </del>	+	and casework interiors
	· ·+	PL-2 PL-3 	High Pressure Plastic Laminate High Pressure Plastic Laminate	Wilsonart	\White Tigrus	<del> </del>	4783-80	Casework - countertops  Match Existing in Catering
+	+	HDWR-1 HDWR-2 SS-1	Casework Pull - Typical Casework Pull - Meeting Rooms Quartz Countertops	Continental Hardware	4" wire plull Tab Lip Bar Pull 4" BQ8805P Slab 1 1/2" thick	+	Stainless Steel Stainless Steel Polished	Work Room Meeting Rooms where indicated
07 CLADDING 08 DOORS AND WINDOWS				[ · · · · · · · · · · · · · · · · · · ·		Control		
·	08 11 14 08 12 16	HM-1   SF-1	Hollow Metal Door and Frame Interior Aluminum Frames	<del> </del>	Match Existing Match Existing	Match Existing Match Existing	+	coord. w/ Lauren
<del> </del>	08 14 00	WD-A   WD-B 	Flush Wood Doors Flush Wood Doors	<del> </del>	Existing - Relocated New - Match Existing	Maple, Slice to Match Existing	Clear	where indicated on plan
<del> </del>	08 31 00	AP-1	GWB Access Panel w/ GWB Flange	<del> </del>		Paint to match adjacent surface	Factory Primed	
· +		AP-2	Rated GWB Access Panel w/ GWB Flange	<del> </del>		Paint to match adjacent surface	Factory Primed	+
	08 80 00	CGG-1 CTG-1	1/4" Clear Glass 1/4" Clear Tempered Glass	(See Spec) (See Spec)		+	+	TBD TBD
	·+	CTG-2 GF-1	1/4" Tempered Glass w/ Film Interior Glazing Film	(See Spec) 3M	Butt-Joint Glass w/ Clear Silicone Seams Fasara - Opacity TBD 60 MIN		Clean 'C' Shaped Edges	use w/ GF-1 Where indicated
9 FINISHES	08 88 13	Fire Resistant Glazing	Gypsum Wall Board	American Gypsum	15/8" Type X	Ref. Drawings, Schedule, Spec	Painted	
		. — — — — — — — — — — — — — — — — — — —	Water Resistant Gypsum Backing Board			Ref. Drawings, Schedule, Spec		
i 	·+	    GWB-3	Impact Resistant Gypsum Wall Board	- — — — — — — — — — — — — — — — — — — —	M-BLOC® Abuse Resistant Type X	Ref. Drawings, Schedule, Spec	Painted	
	·	 MC-1		   Mull it Over		Match Existing Window Mullions	Match Existing Window Mullions	
	09 30 00	. — —	Porcelain Tile	 	 Eco Stone, 12" x 24"	    Taupe	 Naturale R10	Floor Tile
	· <del> </del>	PT-2 PT-3	Porcelain Tile Porcelain Tile	Pental	Eco Stone, 12" x 24"  Mark, 12" x 24"  Non-sanded	Taupe Gypsum	Naturale R10 Matte	Tile Base Cut to 6"H  Wall Tile
	09 51 00	ACT-1 ACT-2	Grout Acoustical Ceiling Tile Acoustical Ceiling Tile	Armstrong Existing tile & grid to remain	Lyra, 2x4, second look, tegular, 9/16" grid	89 Smoke Grey White	+	@ Floor and Walls New Paint
	<del>+</del>	ACT-3	Acoustical Ceiling Tile	Armstrong	Ultima Health Zone, #1938, Square Lay-in, 24" x 48" x3/4" thick, Preluction   15/16" Suspension System, NRC 0.70	de XL White	<del></del>	Catering
	09 54 26	·     WD-1		   9-Wood		3100 Acoustic Plank 3116-2	 Maple Veneer	<del> </del> 3/4" x 7 9/16" x 8'-0"
		WD-2	Wood Grille Wall Screen	9-Wood	1223-4, 1200 Dowel Grille	Western Hemlock, Clear, Mixed G	Grain Maple Stain	5/8" x 2 1/4" x 10'-0"
		MT-1	Metal Trim	Fry Reglet	Millwork Corner Key - MWCK75	TBD	TBD	OUTSIDE CORNER WD-1
<del> </del>	· <del>-</del>	MT-2	Metal Trim	Fry Reglet	Millwork Channel "L" Angle w/ Return Key - MWCL75	TBD	TBD	HORIZ. REVEAL AT WD-1
·	+ ! !	MT-3	Metal Trim	Fry Reglet	Millwork Channel "X" Outside Corner w/ Return Key - MWCOSC75	  TBD 	TBD	WD-1 to GYP
	·+ ·+	RB-1 RB-2	Rubber Base	Tarkett Tarkett	4" Coved Base 4" Millwork, Monument, MW-XX-S4	Burnt Umber 63 Burnt Umber 63	+	general where indicated
	·+ !	RF-1 TRANS-1	Resilient Sheet Flooring Flooring Transition	Mannington Schluter	Assurance III SCHIENE	Dapple Grey Stainless Steel	Anodized Aluminum	Catering & Storage PT to CPT, TILE BASE TRIM
		TRANS-2	Flooring Transition	Schluter	DILEX-AHK cove profile, including pre-formed inside and outside corne	<del> </del>	Anodized Aluminum	PT cove base
	+	TRANS-3	Flooring Transition Rubber Base	Schluter Match Existing		  Match Existing	Anodized Aluminum  Match Existing	Sheet to CPT
	0 <u>9 65 13</u> 09 68 00	<del>                                  </del>	Modular Carpet	Mannington Commercial	Stockinette, Self Assembly Collection	Purl 15731	backing:	installation: see finish floor plan
	·	CPT-2	Modular Carpet	Mannington Commercial	Continental, Self Assembly Collection	Purl 15731	backing:	installation: see finish floor plan
<del>-</del>	+   	WOM-1	Walk-Off Mat	Mannington	Ruffian II, 24" x 24", Infinity backing, Type 6,6 Solution Dyed Nylon, 38 oz face weight	Ebony Earth 1506	<del></del>	All level 1 vestibules
	09 77 13	FRL-1	Fiber Reinforced Laminate	Panolam	Nevamar NS952-SD	Fossil Gray		Modernfold Partition Doors - Exposed Doors when closed
	09 84 13	AWP-1	Acoustical Fabric Wrapped Panel	see Moderfold system	Carnegie Xorel, Meteor, 6427		703 unbacked	Use on Modernfold System
<del> </del>	·‡	. — — <del> </del> AWP-2	Acoustical Fabric Wrapped Panel	Fabric Wrapped 1" square profile	Carnegie Xorel, Meteor, 6427		703 unbacked	use at walls indicated on floor plan
+	09 91 00	P-1 	Paint	+	General Wall Paint	Match Existing High Reflective White 7757	Match Existing	Walls New and Existing Gyp Ceilings and
·		P-3		Sherwin Williams			<del>-</del>	Soffits Existing ACT to Remain
	·+	<del> </del>	 	Rodda	 	Blue Depths 0626	+	Accent
	· <del> </del>		Paint Paint	Miller   Rodda   Sherwin Williams	Wall Paint Wall Paint Wall Paint	Light Lichen 0211 North Sea 0625	+	Accent - Offices
10 SPECIALTIES	+	P-8	Paint	Sherwin Williams	Wall Paint Wall Paint	Jasper Stone 9133 Cupola Yellow 7692	+	Accent - Offices Accent - Offices
	10 11 00	MB-1	Markerboard	Claridge	LCS Porcelain Steel 800 Series: 5/8" Face Trim, full length marker tray and tack strip, standard size 48" x 96"	White; No. 100 LCS	Satin anodized aluminum face tri marker tray	m and Provide backing in wall
+	10 14 19	DLS-1	Dimensional Letter Signage	Gemini	Logo and Font 6" High, Style TBD - Aluminum  Manual, Continuedly Hinged - Acoustiseal 932	Painted	 TBD	
	10 22 26 10 26 13	OP-1 CG-1	Operable Partition Corner Guards	Modernfold InPro	Manual, Continuedly Hinged - Acoustiseal 932 Stainless Steel Corner Guards, size TBD	304 Stainless Steel	703 See AWP-1 #4 Brushed Satin Finish	Where indicated on Floor Finish Plans
	10 28 13	BCS-1	Changing Station	 Koala Kare	KB110-SSWM, Horizontal Stainless Steel Wall Mounted	<del> </del>	Stainless Steel	Provide backing in wall
+	·+ ·+	CH-1 FS-1	Coat Hook Folding Shelf	Bobrick Bobrick	B-76717 Surface Mounted Robe Hook B-287 Folding Utility Shelf	<del>-</del>	Satin - Stainless Steel Stainless Steel, Satin	Provide backing in wall Provide backing in wall
	·+ ·+	GB-1 GB-2	Grab Bars, 42" Grab Bars, 36"	Bobrick Bobrick	B-287 Folding Utility Shelf B-5806, 42" long, 1 1/4 dia. B-5806, 36" long, 1 1/4 dia.	+	Stainless Steel Stainless Steel	Provide backing in wall Provide backing in wall
<del>-</del>	·+ !	GB-3 MR-1	Grab Bars, 18" Mirror - Framed	Bobrick Bobrick	B-5806, 18" long, 1 1/4" dia. B-165 Series, sizes as indicated on elevations	+	Stainless Steel Stainless Steel, Bright Polish	Provide backing in wall RR, Lactation. Provide backing in wall
<del>-</del>	·+	 NR-1 NR-1	Napkin Receptical	Bobrick	B-270	<del>-</del>	Stainless Steel Satin	Provide backing in wall
		PTD-1 PTD-2	Paper Towel Dispenser Paper Towel Dispenser	Bobrick	Owner Furnished. Contractor Installed (OFCI)  B-4262 Contura Series Sfc-Mtd Paper Towel Dispenser	<del> -</del>	Stainless Steel, Satin	Provide backing in wall Lactation. Provide backing
+	+	EHD-1 SD-1	Electric Hand Dryer Soap Dispenser	Excel Dryer Inc. Bobrick	XLERATOR, with ADA Recess Kit B-4112 Contura Series, Surface Mounted	+	+	Provide backing in wall Provide backing in wall
·+ ·+	·+ ·+	TD-1 TR-1	Toilet Paper Dispenser Trash Receptacle	Bobrick Bobrick	B-4288 Contura Series, Surface Mounted Free Standing Trash Receptacle, Size Varies	+ +	Stainless Steel OFOI	Provide backing in wall
·	10 44 00	SCD-1 FEC-1	Toilet Seat Cover Dispenser Fire Extinguisher Cabinet	Bobrick J.L. Industries	B-4221 Contura Series, Surface Mounted Recessed - Match Existing	<del> </del>	Stainless Steel, Sating	Provide backing in wall verify w/ owner
<del>-</del>	+	FEC-2 FEC-3 AFD	Fire Extinguisher Cabinet Fire Extinguisher Cabinet Auto. External Defibrillator	J.L. Industries J.L. Industries Relocate Existing	Semi-Recessed  Wall Mounted  OFCI	<del>-</del>	Stainless Steel Trim Stainless Steel Trim	verify w/ owner verify w/ owner Verify location w/ owner
11 EQUIPMENT	11 52 13	PS-1		Relocate Existing  Da-Lite	, , , ,	 <sub>\</sub> TBD	 	Provide backing in wall
·+ ·+	11 41 00	REF-1 REF-2	Projection Screen Residential Refrigerator Existing	TRUE	Electric Projection Screen, Size TBD FLM-27 TSL01, Full-length Merchandiser	<del>+</del> <del>+</del>	+	OFOI OFOI
   		ICE-1  +	Commercial Icemaker	Manitowoc	NEO U-140, UR-140A Regular Sized Cubed, Air Cooled	<del> </del>	+	OFOI
12 FURNISHINGS		HB-1  WC-1	Hot Box	CCC TO PROVIDE CUT SHEET	Evicting	Eviating	Eviating	OFOI  Beconfigure per new wall locations
			Window Coverings  Window Coverings	Existing  Match Existing	Existing  Match Existing	Existing    	Existing  Match Existing	Reconfigure per new wall locations Reconfigure per new wall locations - S
T .	i I					1		Plans
			Roller Shades	Mecho Shade		<del> </del> TBD		Not Used





Project Owner:
CLACKAMAS
COMMUNITY COLLEGE

Project Name: CCC ROOK HALL
TENANT IMPROVEMENT

Project Adress: 19600 SOUTH MOLALLA AVE. OREGON CITY, OR 97054

Key Plan

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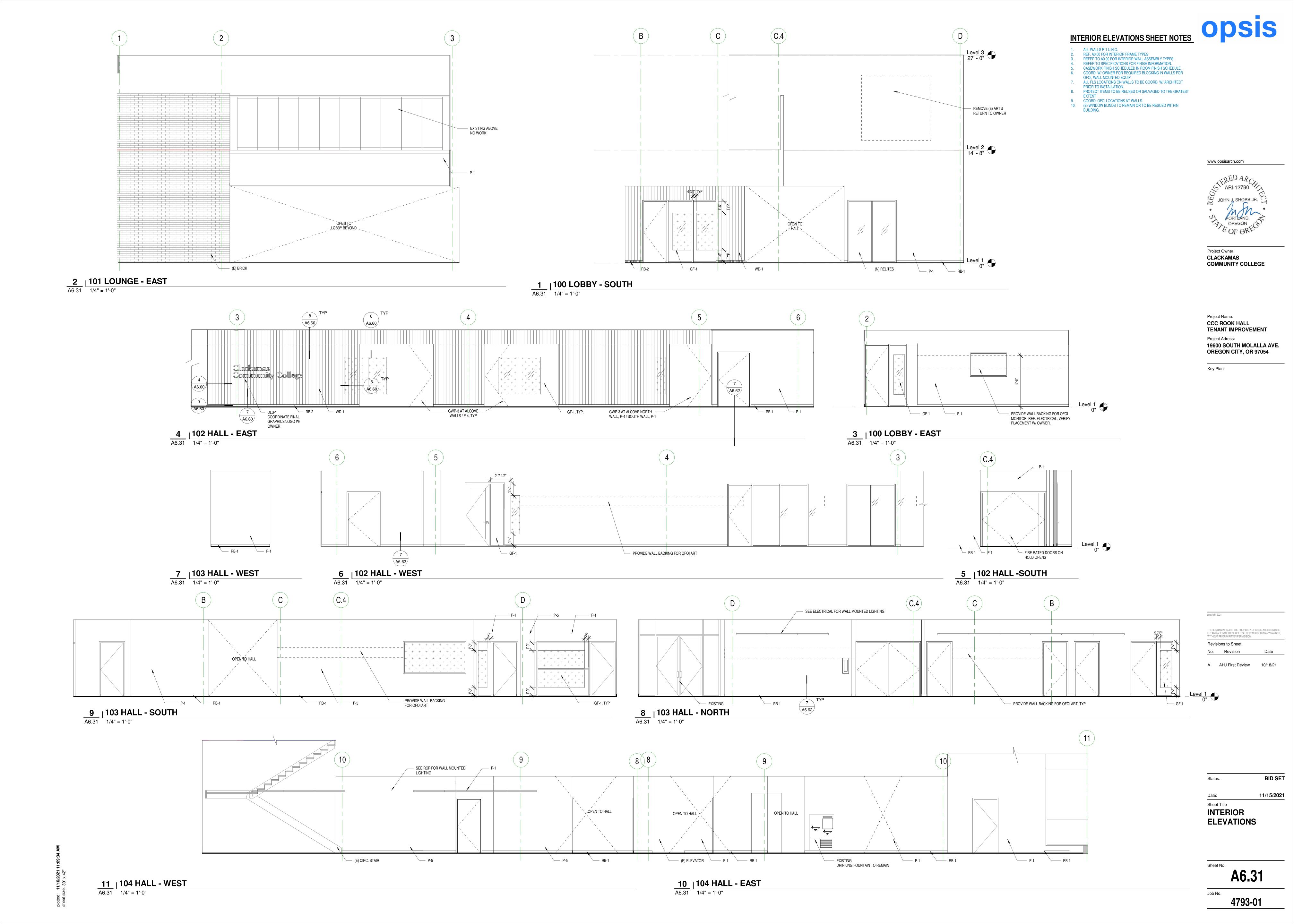
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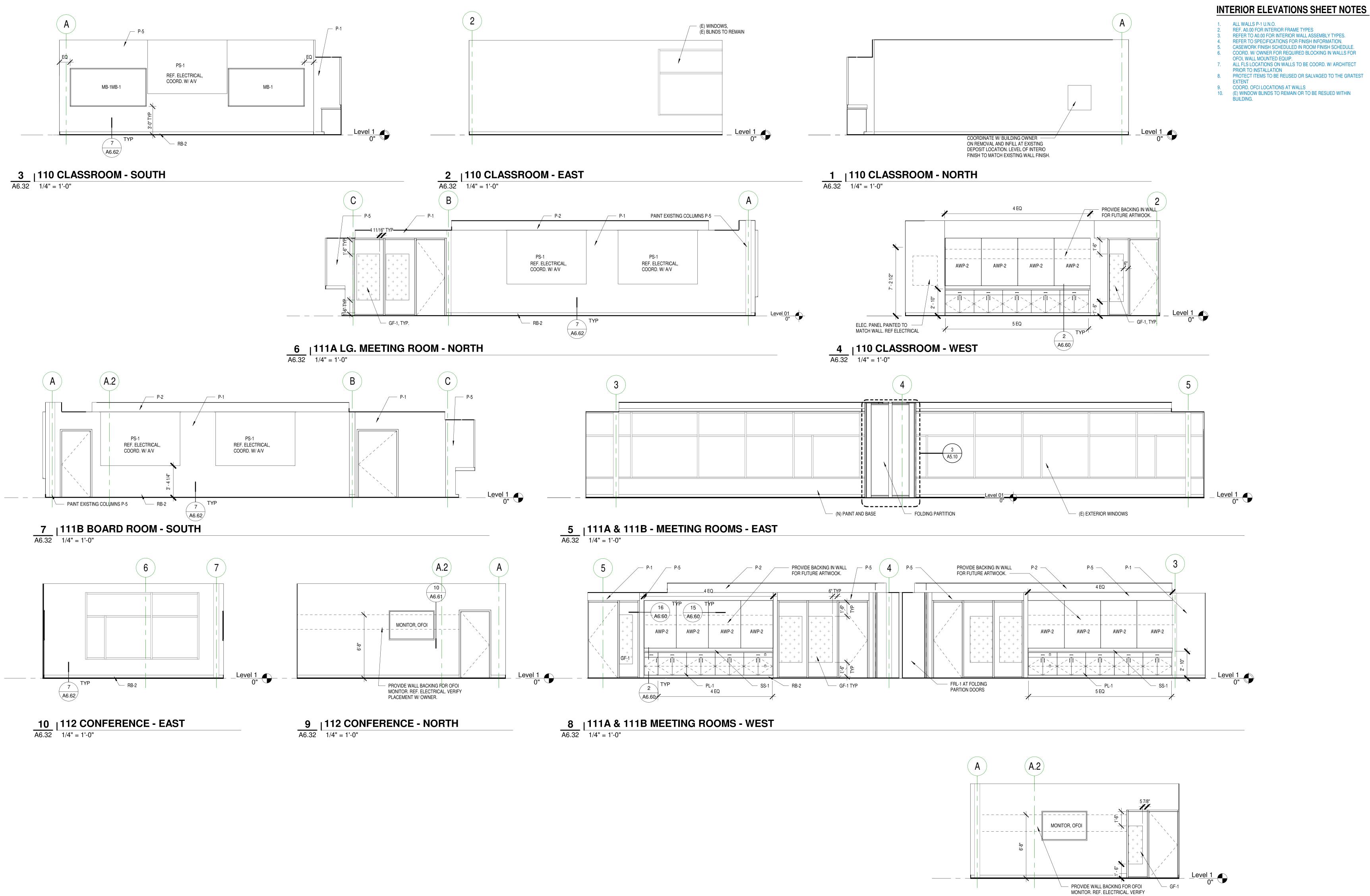
11/15/2021

Sheet Title

**FINISH LEGEND** 

A6.30





- REFER TO SPECIFICATIONS FOR FINISH INFORMATION.
- CASEWORK FINISH SCHEDULED IN ROOM FINISH SCHEDULE. COORD. W/ OWNER FOR REQUIRED BLOCKING IN WALLS FOR
- ALL FLS LOCATIONS ON WALLS TO BE COORD. W/ ARCHITECT PRIOR TO INSTALLATION
- 9. COORD. OFCI LOCATIONS AT WALLS
  10. (E) WINDOW BLINDS TO REMAIN OR TO BE RESUED WITHIN BUILDING.



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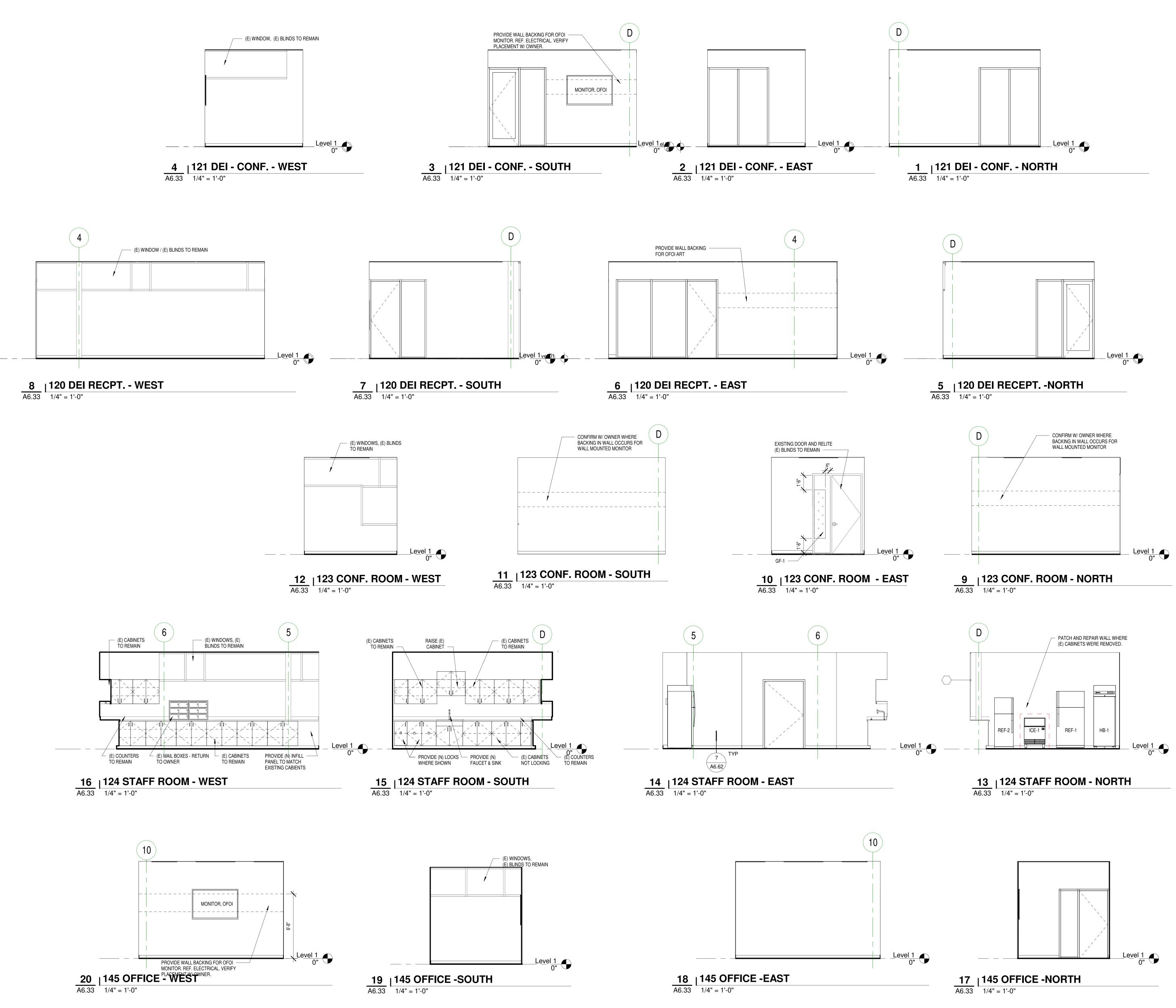
11/15/2021

Sheet Title
INTERIOR
ELEVATIONS

MONITOR. REF. ELECTRICAL. PLACEMENT W/ OWNER.

11 A6.32 1/4" = 1'-0"

A6.32



#### **INTERIOR ELEVATIONS SHEET NOTES**

- ALL WALLS P-1 U.N.O. REF. A0.00 FOR INTERIOR FRAME TYPES
- REFER TO A0.00 FOR INTERIOR WALL ASSEMBLY TYPES. REFER TO SPECIFICATIONS FOR FINISH INFORMATION.
- CASEWORK FINISH SCHEDULED IN ROOM FINISH SCHEDULE
- COORD. W/ OWNER FOR REQUIRED BLOCKING IN WALLS FOR
- OFOI, WALL MOUNTED EQUIP. 7. ALL FLS LOCATIONS ON WALLS TO BE COORD. W/ ARCHITECT PRIOR TO INSTALLATION
- 8. PROTECT ITEMS TO BE REUSED OR SALVAGED TO THE GRATEST
- 9. COORD. OFCI LOCATIONS AT WALLS
   10. (E) WINDOW BLINDS TO REMAIN OR TO BE RESUED WITHIN BUILDING.

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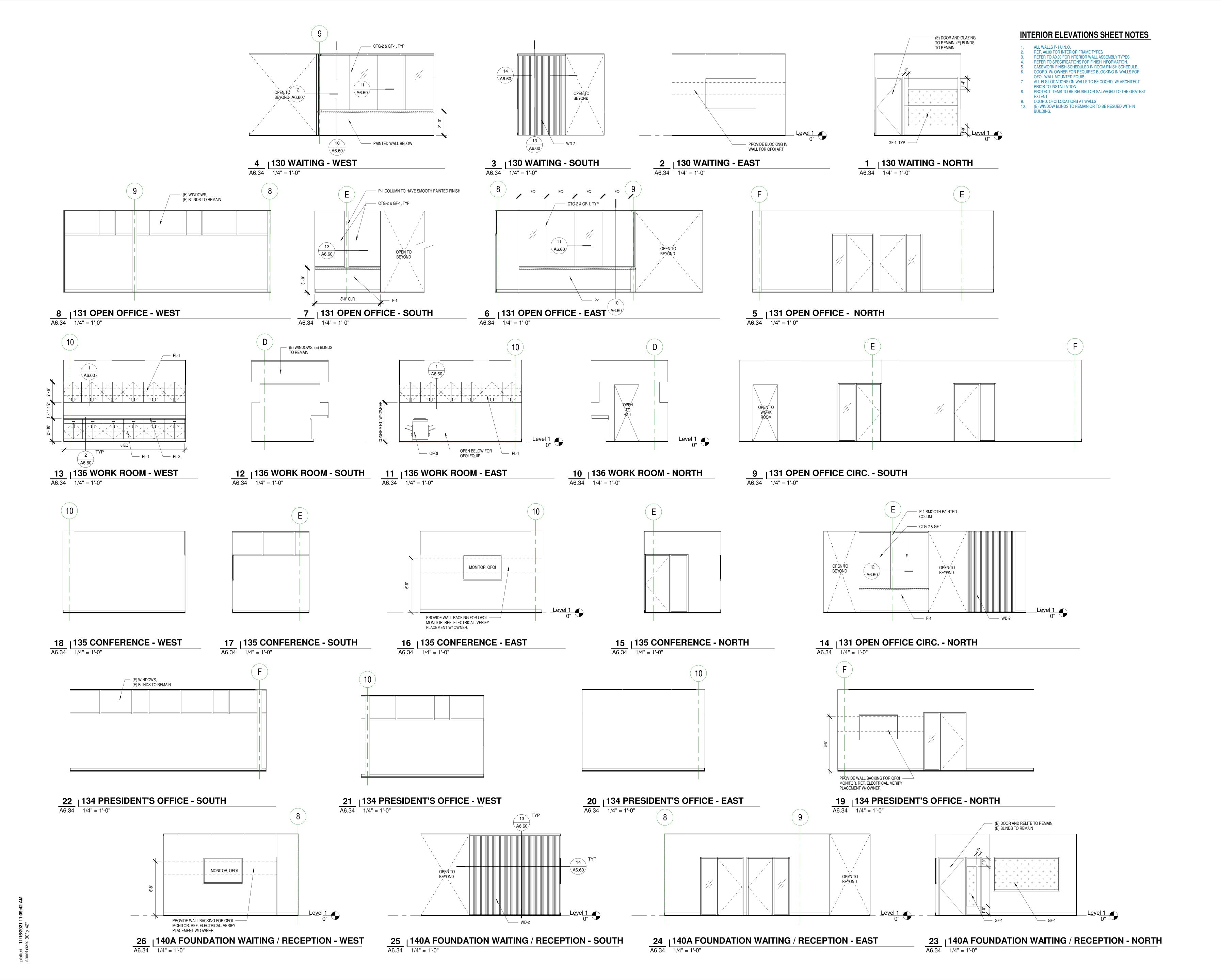
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**INTERIOR ELEVATIONS** 

Sheet No. A6.33



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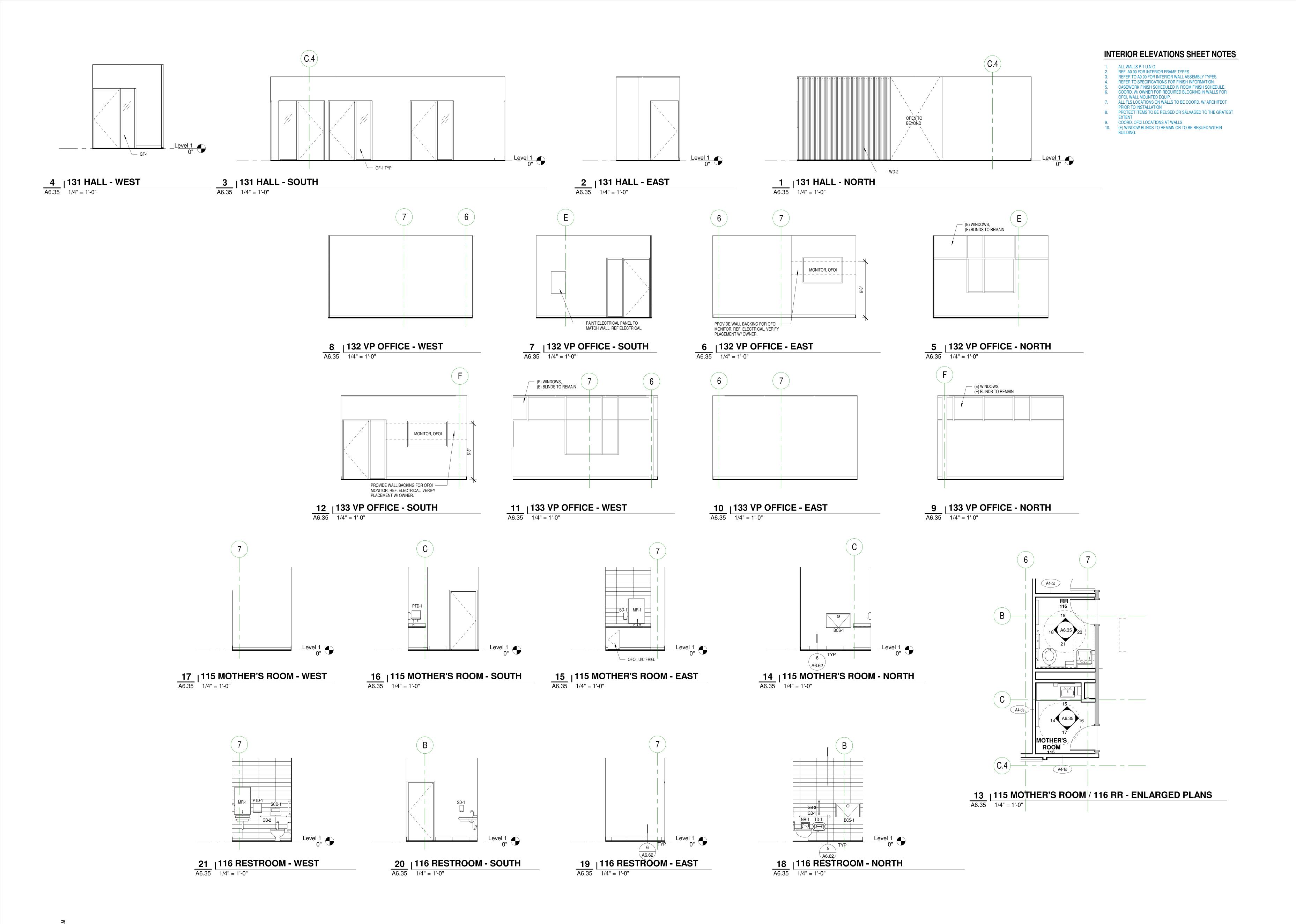
us: BID SET

Date: 11/15/2021

INTERIOR ELEVATIONS

Sheet No. **A6.34** 

Job No. **4793-01** 





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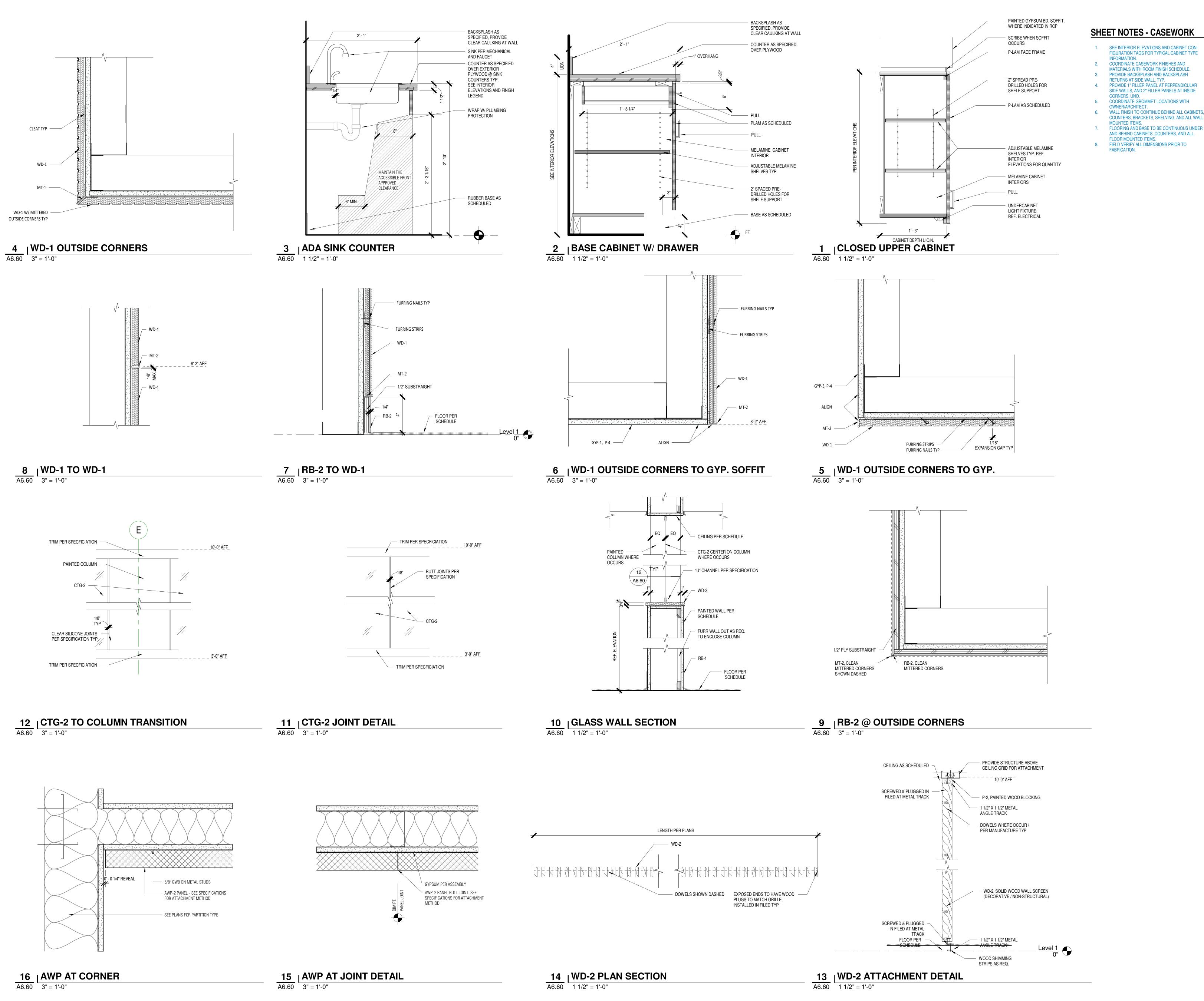
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11/15/2021

Sheet Title **INTERIOR ELEVATIONS & ENLARGED PLANS** 

Sheet No. A6.35



#### **SHEET NOTES - CASEWORK**

1. SEE INTERIOR ELEVATIONS AND CABINET CON-FIGURATION TAGS FOR TYPICAL CABINET TYPE

INFORMATION. 2. COORDINATE CASEWORK FINISHES AND MATERIALS WITH ROOM FINISH SCHEDULE.

PROVIDE BACKSPLASH AND BACKSPLASH RETURNS AT SIDE WALL, TYP. 4. PROVIDE 1" FILLER PANEL AT PERPENDICULAR SIDE WALLS, AND 2" FILLER PANELS AT INSIDE CORNERS, UNO.

5. COORDINATE GROMMET LOCATIONS WITH OWNER/ARCHITECT. 6. WALL FINISH TO CONTINUE BEHIND ALL CABINETS, COUNTERS, BRACKETS, SHELVING, AND ALL WALL MOUNTED ITEMS.

AND BEHIND CABINETS, COUNTERS, AND ALL FLOOR MOUNTED ITEMS. 8. FIELD VERIFY ALL DIMENSIONS PRIOR TO

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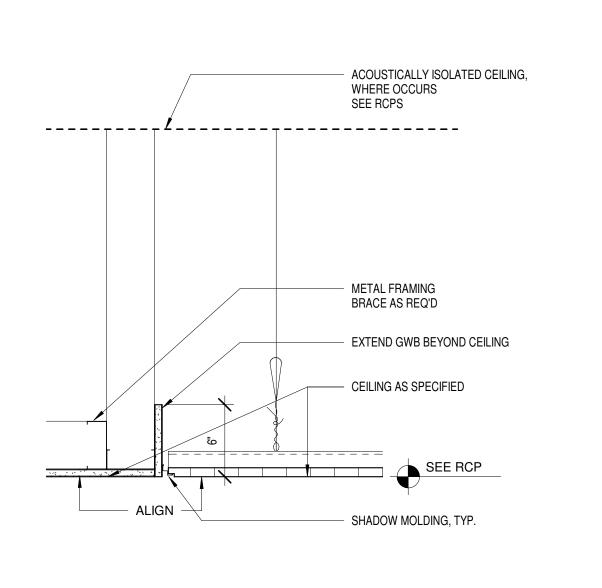
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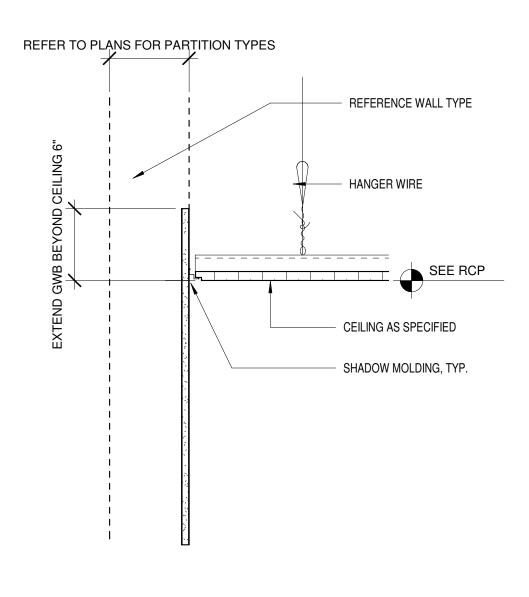
11/15/2021

Sheet Title

**INTERIOR DETAILS** 

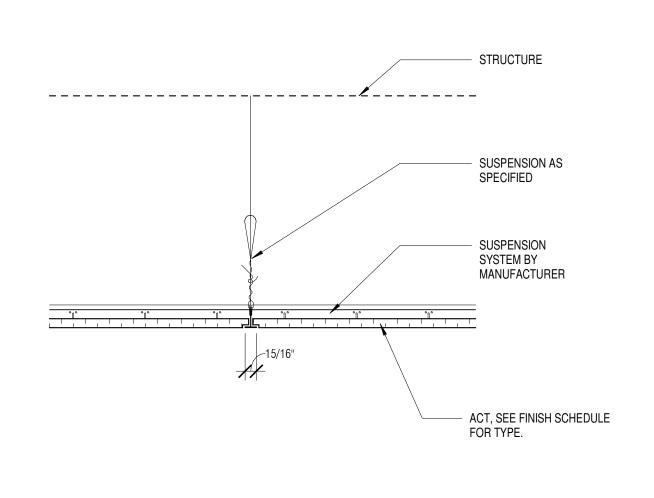
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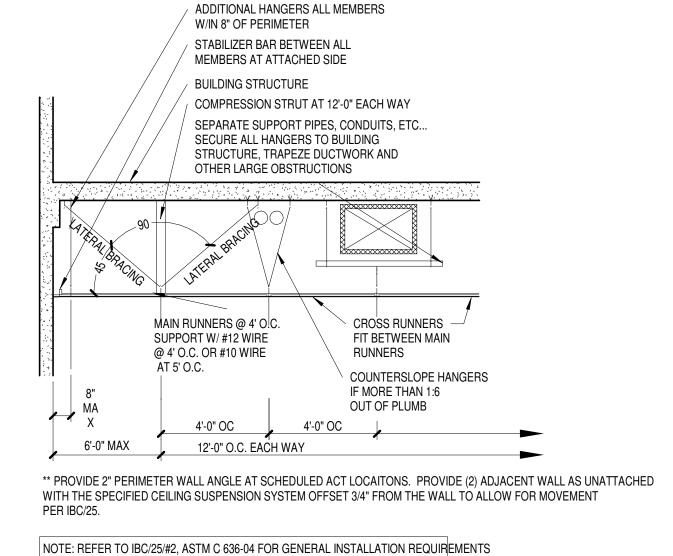


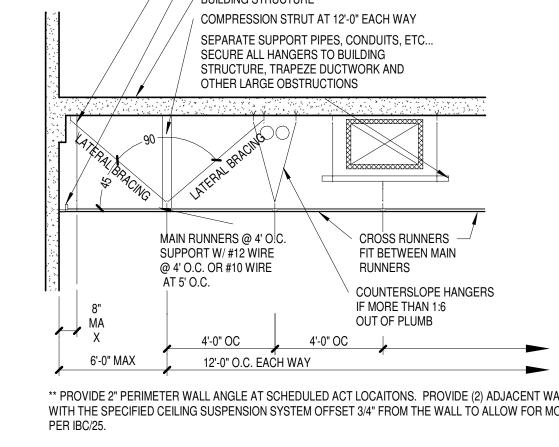


| RECESSED INTERIOR WINDOW SHADE

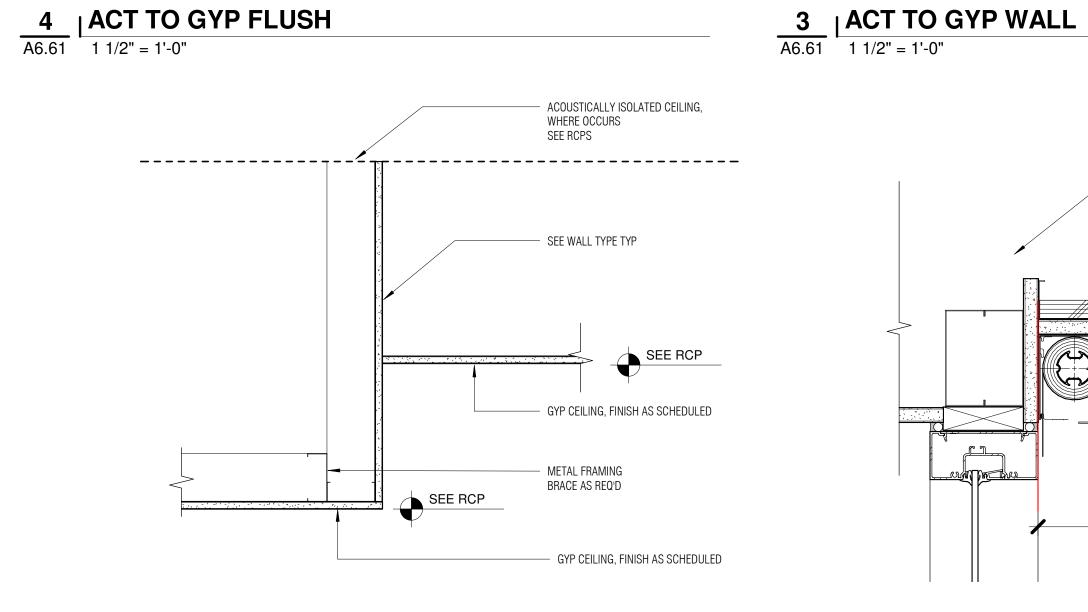
A6.61 3" = 1'-0"



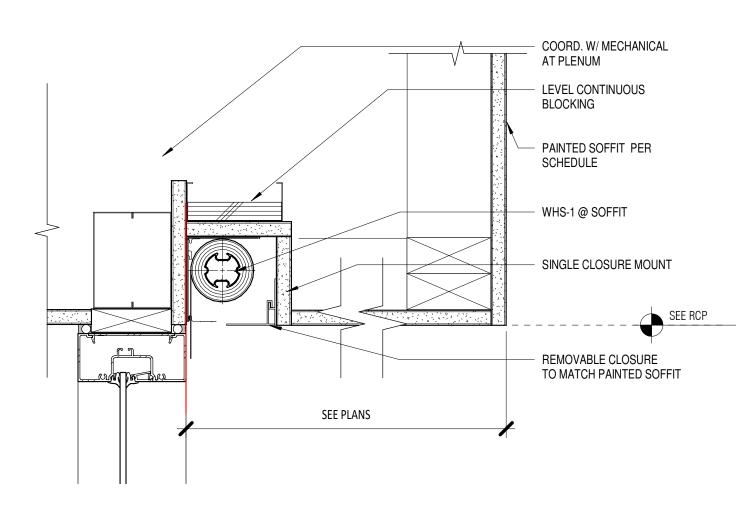


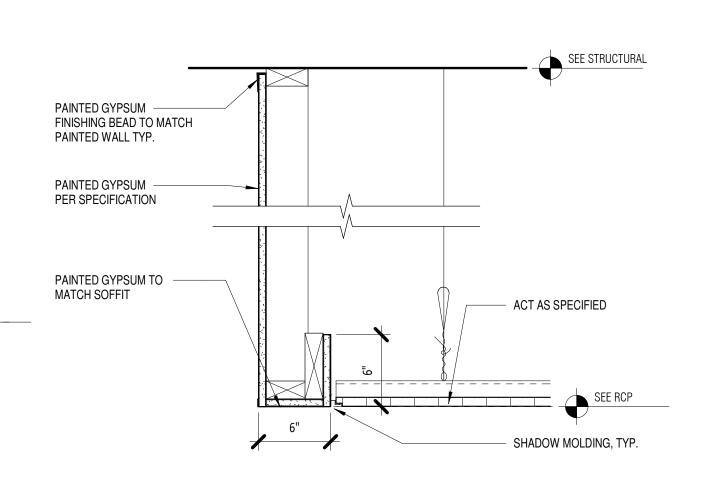




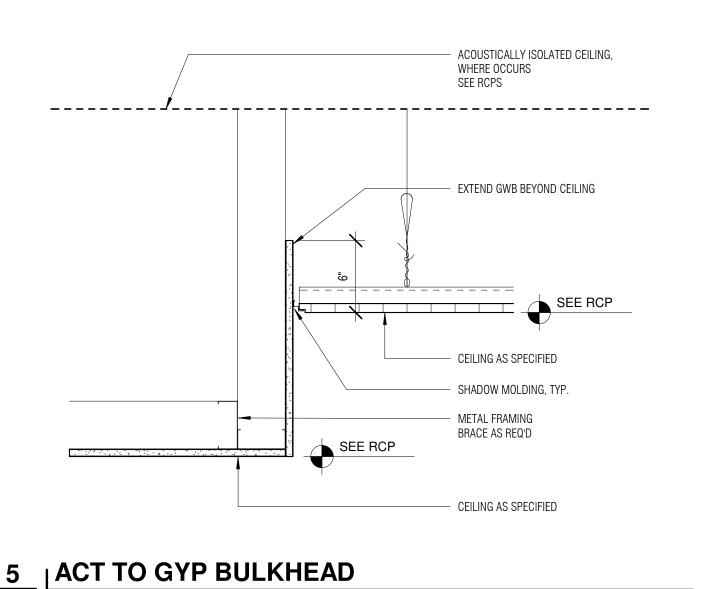


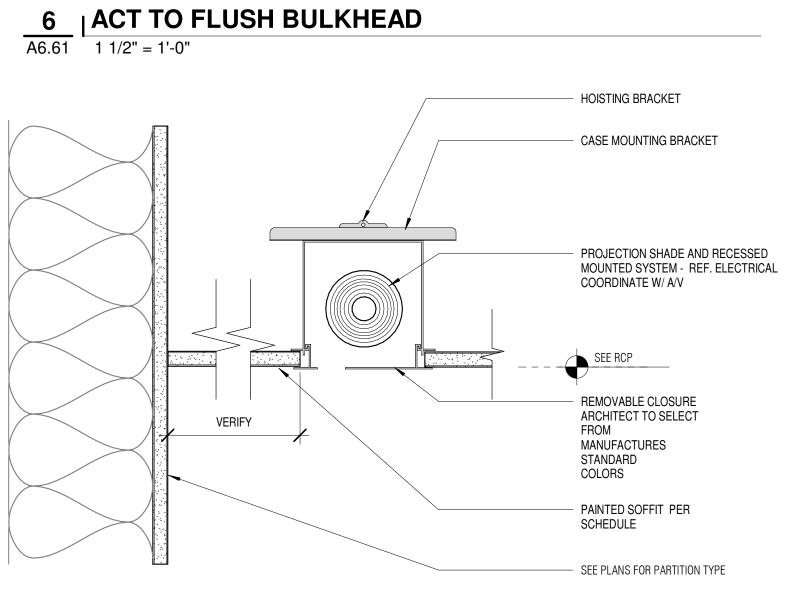
8 A6.61 | GYP CEILING TO GYP SOFFIT | 1 1/2" = 1'-0"

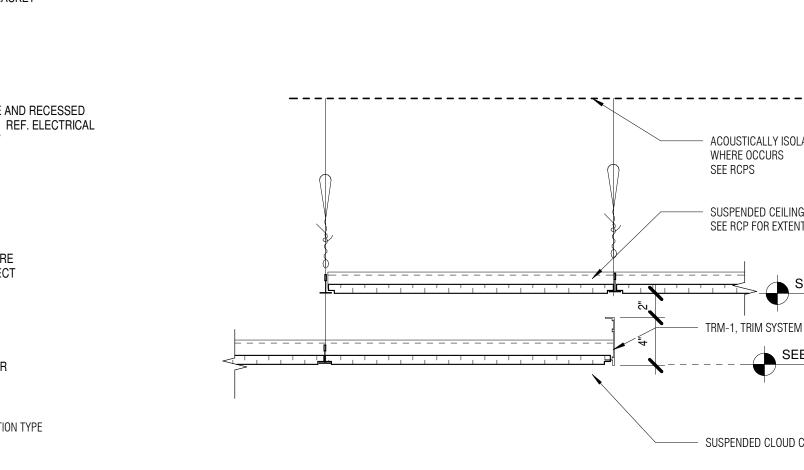


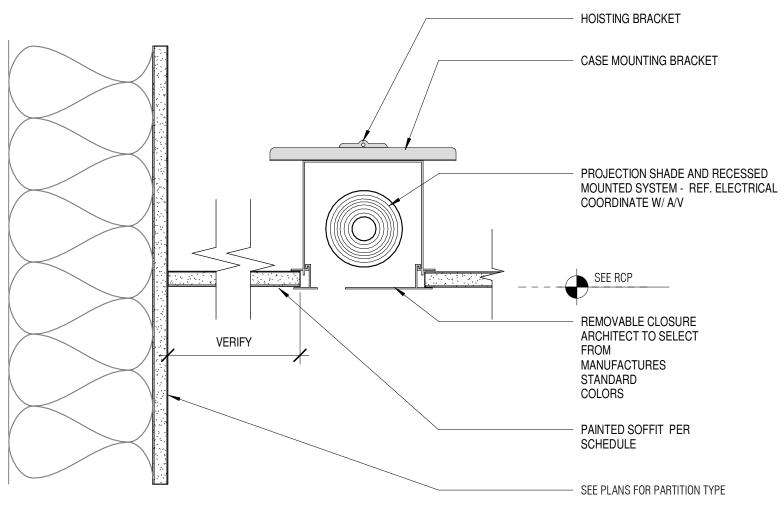


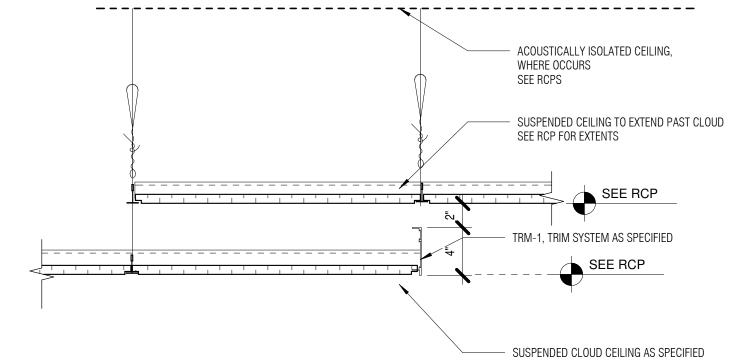
2 A6.61 TYP. SUSPENDED CEILING ASSEMBLY
1 1/2" = 1'-0"











10 | SECTION @ RECESSED PROJECTION SCREEN | 3" = 1'-0"

9 | CLOUD TO ACT | 1 1/2" = 1'-0"

A6.61 1 1/2" = 1'-0"

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Project Adress:

Key Plan

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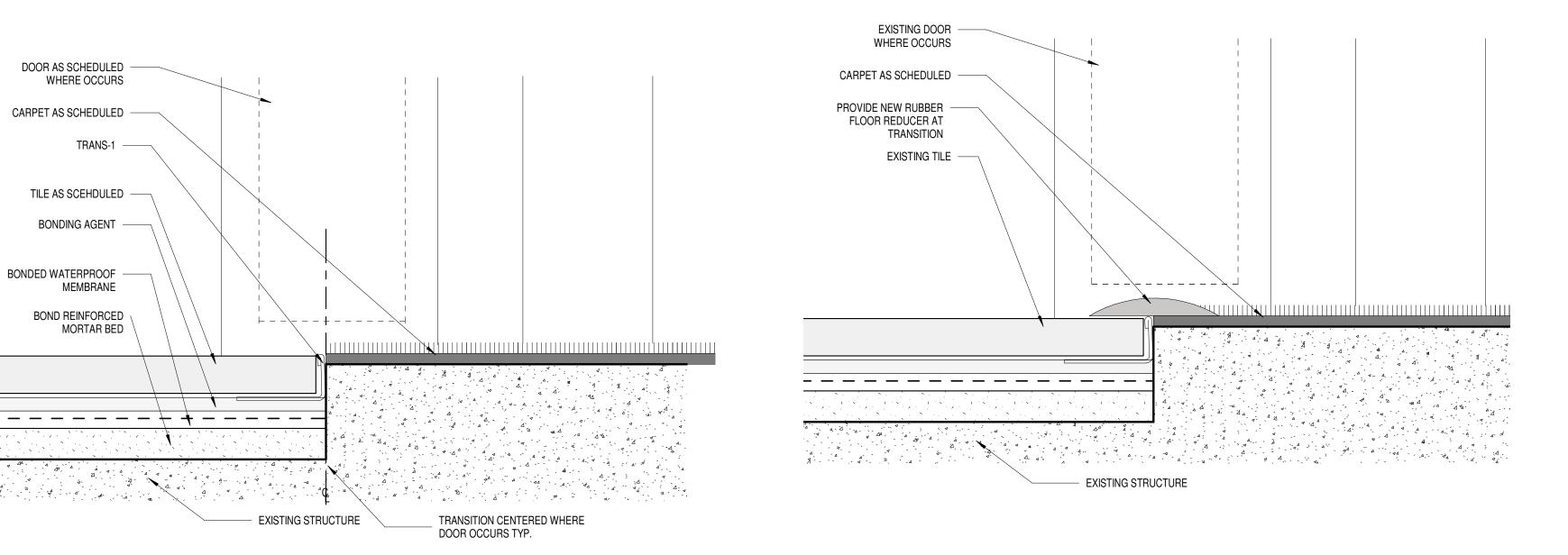
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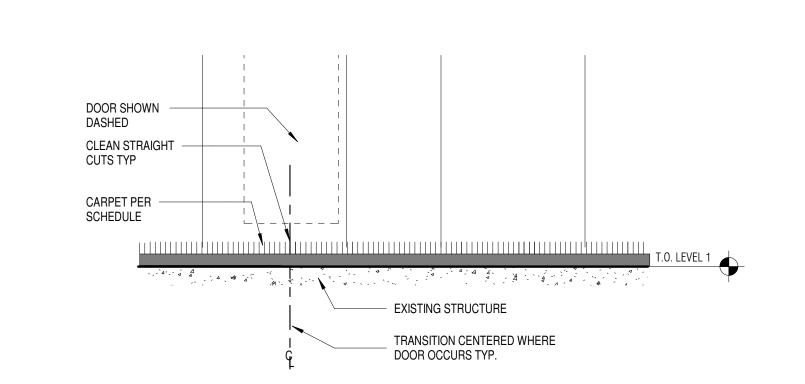
BID SET 11/15/2021

Sheet Title **CEILING AND** FLOOR TRANSITION **DETAILS** 

A6.61

# opsis





3 | CARPET TO TILE TRANSITION | 12" = 1'-0"

2 | CARPET TO EXISTING TILE TRANSITION | 12" = 1'-0"

1 | CARPET TO CARPET TRANSITION | 12" = 1'-0"

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Key Plan

GROUT

FLOOR TILE CUT TO BASE

GROUT

TRANS-2

BONDED WATERPROOF MEMBRANE
BONDED REINFORCED MORTAR BED

FLOOR TILE

STRUCTURAL CONCRETE

REF. PLAN FOR WALL TYPE

CERAMIC TILE ON BONDED
WATERPROOF MEMBRANE

TILE BACKING BOARD

WALL TILE

1/16" GROUT LINES

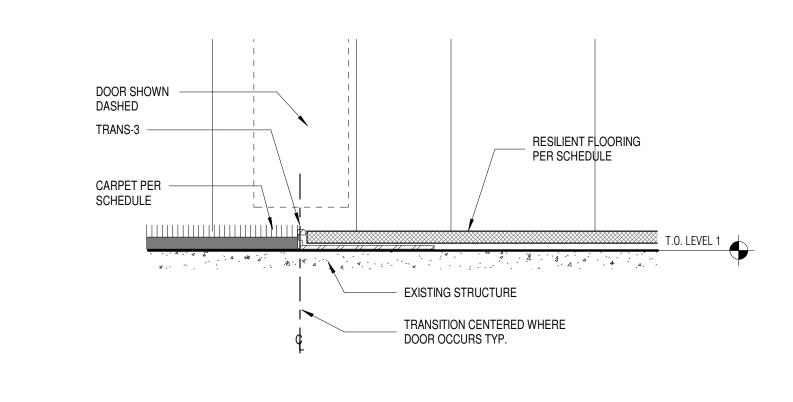
TRANS-2

THIN SET BONDING AGENT

BONDED WATERPROOF
MEMBRANE

BONDED REINFORCED
MORTAR BED

STRUCTURAL
CONCRETE

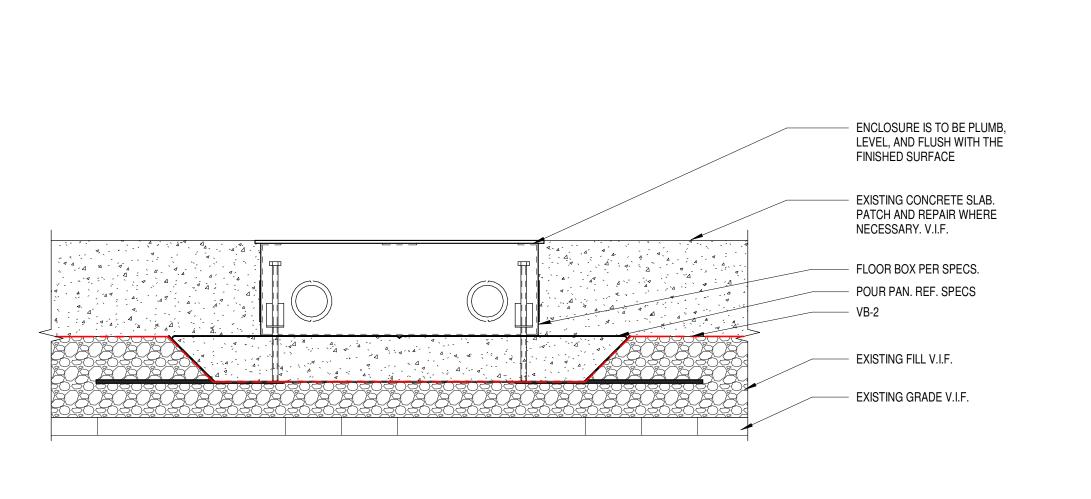


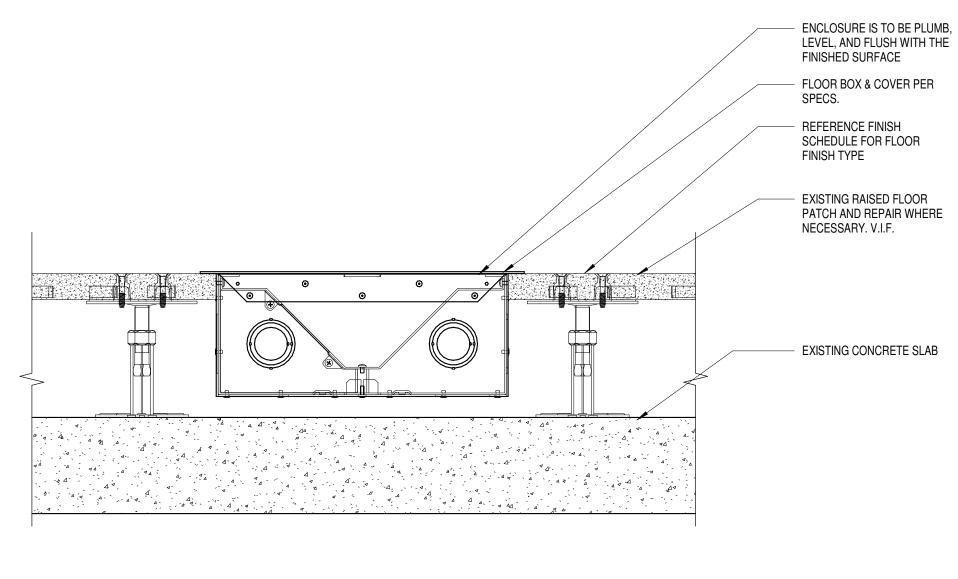
6 |TILE BASE

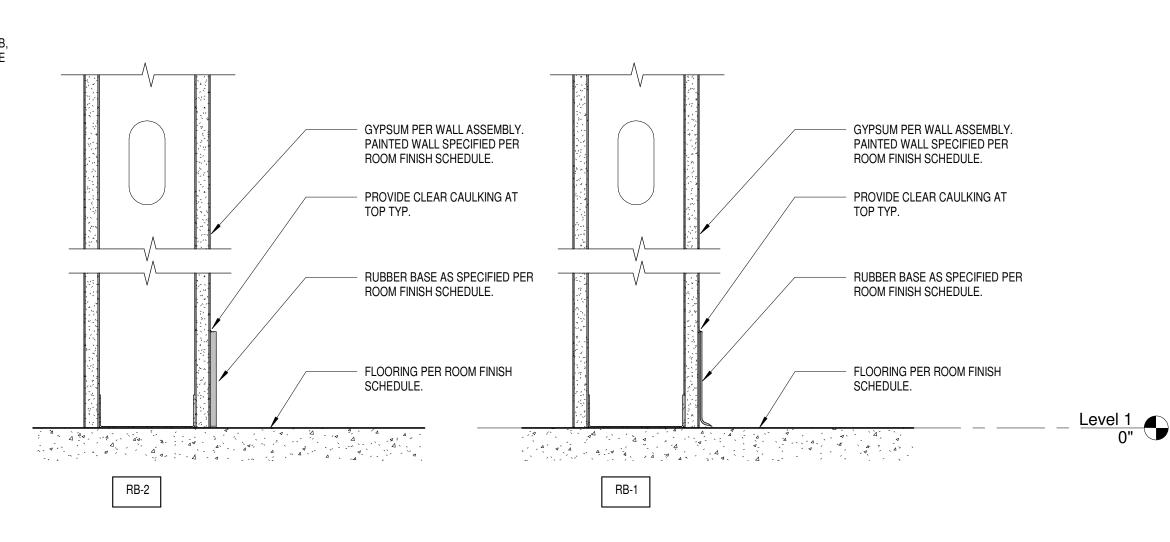
A6.62 6" = 1'-0"

5 | FLOOR TILE TO WALL TILE 6" = 1'-0"

4 | CARPET TO RESILIENT TRANSITION | 12" = 1'-0"







9 FLOOR BOX EXISTING CONCRETE
3" = 1'-0"

8 | FLOOR BOX EXISTING RAISED FLOOR 3" = 1'-0"

7 | RUBBER BASE TO WALL | 3" = 1'-0"

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Status: **BID SET**Date: **11/15/2021** 

Sheet Title
FINISH
TRANSITION
DETAILS

A6.62

Job No. **4793-01** 

#### **ELECTRICAL SYMBOL LIST**

NOTE: This is a standard symbol list and not all items listed may be used.

<u>breviati</u>	<u>ons</u>	Connections	s / Equipment
AFC AFF	ABOVE FINISHED CEILING ABOVE FINISHED FLOOR	VFD	COMBINATION ADJUSTABLE FREQUENCY DRIVE WITH SAFETY
ANSI AWG	AMERICAN NATIONAL STANDARDS INSTITUTE AMERICAN WIRE GAUGE		DISCONNECT SWITCH
A AHJ	AMPERES, AMBER AUTHORITY HAVING JURISDICTION	$\boxtimes$	COMBINATION MOTOR STARTER/FUSED DISCONNECT SWITCH
AIC BAS	AVAILABLE INTERRUPTING CAPACITY BUILDING AUTOMATION SYSTEM	F	HEAVY DUTY FUSED DISCONNECT SWITCH
CA CAT	CABLE CATEGORY	ш.	TIEAVI BOTT TOOLD BIOGONNEOT OWITOIT
CLG C	CEILING CONDUIT, CLOSE, CONTROL	$\bowtie$	MOTOR CONNECTION
COORD CU	COORDINATE COPPER		
dB	DECIBEL	C	NON-FUSED DISCONNECT SWITCH
(X) DTL	DEMOLISH DETAIL	Т	TRANSFORMER
DIA DIM	DIAMETER DIMENSION		
DIV DN	DIVISION DOWN	FSD	FIRE SMOKE DAMPER
DWG EA	DRAWING EACH		SMOVE DAMBED
EMT EL	ELECTRICAL METALLIC TUBING ELEVATION	<u>(SD)</u>	SMOKE DAMPER
EM EF	EMERGENCY EXHAUST FAN	<b>①</b>	CEILING MOUNTED JUNCTION BOX
(E) FA	EXISTING FIRE ALARM		
FMC FBO	FLEXIBLE METAL CONDUIT FURNISHED BY OTHERS	J	FLOOR MOUNTED JUNCTION BOX
(F) G, GND	FUTURE GROUND	·	WALL-MOUNTED JUNCTION BOX
GFCI GFI	GROUND FAULT CIRCUIT INTERRUPTER GROUND FAULT INTERRUPTER	_	
GFP HT	GROUND FAULT PROTECTION HEIGHT	\	JUNCTION BOX WITH FLEX CONNECTION TO EQUIPMENT
ID	IDENTIFICATION	General	
IN IEEE	INCH, INCHES INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS	$\left(\begin{array}{c} X \\ X \end{array}\right)$	DETAIL NUMBER AND SHEET LOCATION
IG KV	ISOLATED GROUND KILOVOLT		
KVA KW	KILOVOLT AMPERES KILOWATT	(XX-X) LOCATION	EQUIPMENT IDENTIFICATION
LED LFMC	LIGHT EMITTING DIODE LIQUIDTIGHT FLEXIBLE METAL CONDUIT	$\langle 1 \rangle$	KEYED NOTE
LV MOCP	LOW VOLTAGE MAXIMUM OVERCURRENT PROTECTION	\	RETERNOTE
MIN MCA	MINIMUM MINIMUM CIRCUIT AMPS	—×-×-	DEMOLISH
MISC MCC	MISCELLANEOUS MOTOR CONTROL CENTER		
MT, MTD NEC	MOUNT, MOUNTED NATIONAL ELECTRIC CODE		EXISTING WORK
NESC NEMA	NATIONAL ELECTRIC SAFETY CODE NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION		NEW WORK
N N/A	NEUTRAL NOT APPLICABLE	Lighting	
N.I.C. NTS	NOT IN CONTRACT NOT TO SCALE		COMBINATION EXIT SIGN CEILING MOUNTED AND DUAL HEAD
OC OFCI	ON CENTER OWNER FURNISHED, CONTRACTOR INSTALLED	Þ <b>⊗</b> ⊲	EMERGENCY EGRESS LIGHTING WITH BATTERY PACK. ARROW(S) INDICATES DIRECTION IF SHOWN
PNL PH	PANEL PHASE	<b>★</b>	COMBINATION EXIT SIGN WALL MOUNTED AND DUAL HEAD EMERGENCY EGRESS LIGHTING WITH BATTERY PACK. ARROW(S)
PVC PWR	POLY-VINYL-CHLORIDE POWER		INDICATES DIRECTION IF SHOWN  EXIT SIGN CEILING MOUNTED, ARROW(S) INDICATES DIRECTION II
QTY (R)	QUANTITY RELOCATE	8	SHOWN
RFI	REQUEST FOR INFORMATION	₹	EXIT SIGN WALL MOUNTED, ARROW(S) INDICATES DIRECTION IF SHOWN
REQD RMC	REQUIRED RIGID METAL CONDUIT	_	CHOWN
RM SHT	ROOM SHEET		RECESSED 1' X 4' LUMINAIRE
STD SPD	STANDARD SURGE PROTECTION DEVICE		RECESSED 1' X 4' LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY
SWBD TBD	SWITCHBOARD TO BE DETERMINED	<u> </u>	CONNECTED TO UNSWITCHED CIRCUIT
XFMR TVSS	TRANSFORMER TRANSIENT VOLTAGE SURGE SUPPRESSOR		RECESSED 2' X 2' LUMINAIRE
TYP UL	TYPICAL UNDERWRITERS LABORATORIES		RECESSED 2' X 2' LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY
UPS UON	UNINTERRUPTIBLE POWER SUPPLY UNLESS OTHERWISE NOTED		CONNECTED TO UNSWITCHED CIRCUIT
V WP	VOLTS, VOLTAGE WEATHERPROOF		RECESSED 2' X 4' LUMINAIRE
W/ W/O	WITH WITHOUT		RECESSED 2' X 4' LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY
			CONNECTED TO UNSWITCHED CIRCUIT  RECESSED LUMINAIRE
		U	
			RECESSED LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT

TO EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY CONNECTED TO UNSWITCHED CIRCUIT SURFACE OR PENDANT MOUNTED LUMINAIRE CONNECTED TO

EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY CONNECTED TO UNSWITCHED CIRCUIT

WALL MOUNTED 6" WIDE LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL

WALL MOUNTED 12" WIDE LUMINAIRE CONNECTED TO

EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL

EMERGENCY BATTERY CONNECTED TO UNSWITCHED CIRCUIT

EMERGENCY BATTERY CONNECTED TO UNSWITCHED CIRCUIT

WALL MOUNTED LUMINAIRE CONNECTED TO EMERGENCY/LIFE

SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY

BRANCH CIRCUIT WIRING. ARROW INDICATES HOME RUN TO

CONDUCTORS. LONG TICK MARKS INDICATE NEUTRAL CONDUCTORS. A SINGLE CURVED TICK MARK INDICATES

PANEL WITH CIRCUITS AS NOTED. WIRE SIZE IS #12 AWG MINIMUM

UNLESS NOTED OTHERWISE. SHORT TICK MARKS INDICATE PHASE

INSULATED GREEN GROUND CONDUCTOR. SECOND CURVED TICK

MARK INDICATES "ISOLATED GROUND" (GREEN INSULATION WITH

SURFACE OR PENDANT MOUNTED STRIPLIGHT

WALL MOUNTED 12" WIDE LUMINAIRE

CONNECTED TO UNSWITCHED CIRCUIT

WALL MOUNTED LUMINAIRE

YELLOW STRIPE) CONDUCTOR.

**BRANCH PANEL** 

<u>Miscellaneous</u>

₩ALL MOUNTED 6" WIDE LUMINAIRE

	ELECTRIC	AL STIV	IBUL LIST
S	/ Equipment		
_	COMBINATION ADJUSTABLE FREQUENCY DRIVE WITH SAFETY		CIRCUIT BREAKER
	DISCONNECT SWITCH	uhu	
	COMBINATION MOTOR STARTER/FUSED DISCONNECT SWITCH	<del></del>	DRY TYPE TRANSFORMER
		_	FLUSH WALL MOUNTED BRANCH PANEL
	HEAVY DUTY FUSED DISCONNECT SWITCH	_	
		GB	GROUND BAR
	MOTOR CONNECTION		
			MAIN DISTRIBUTION PANEL / SUB DISTRIBUTION PANEL
	NON-FUSED DISCONNECT SWITCH	Raceways	
	TRANSFORMER		CONDUIT CONCEALED IN WALL OR CEILING SPACE
	THE WAST STAMLER		CONDOIT CONCERNED IN WALL ON CLIENCE OF ACL
	FIRE SMOKE DAMPER		CONDUIT ROUTED BELOW FLOOR / GRADE
	SMOKE DAMPER		CONDUIT ELLED DOWN
		_	
	CEILING MOUNTED JUNCTION BOX	O	CONDUIT ELLED UP
	FLOOR MOUNTED JUNCTION BOX		CONDUIT/WIRING CONTINUATION
		(	
	WALL-MOUNTED JUNCTION BOX		CONDUIT/WIRING STUBBED OUT WITH END CAP OR INSULATED PLASTIC BUSHING
			1 Exerce Booking
	JUNCTION BOX WITH FLEX CONNECTION TO EQUIPMENT	~~~~~	FLEXIBLE CONDUIT
		Switches and	I Receptacles
	DETAIL NUMBER AND SHEET LOCATION		DUPLEX RECEPTACLE (MULTIPLE LETTERS INDICATE MULTIPLE OPTIONS)
	DETAIL NOMBER AND SHEET LOCATION		A = ABOVÉ COUNTER B = CLOCK HANGER
	EQUIPMENT IDENTIFICATION		C = FLUSH CEILING MOUNTED E = EMERGENCY
			F = ARC FAULT PROTECTED BY BREAKER IN PANEL G = GROUND FAULT CIRCUIT INTERRUPTER
	KEYED NOTE	H	H = HOSPITAL GRADE K = CHILD RESISTANT COVER
		Ф	L = ISOLATED GROUND P = PENDANT MOUNTED WITH CORD GRIPS. VERIFY PENDANT
	DEMOLISH		LENGTH R1 = HALF SWITCHED BY OCCUPANCY SENSOR RELAY R2 = FULLY SWITCHED BY OCCUPANCY SENSOR RELAY
	EVOTINO MODIC		S = SPLIT WIRED T = TAMPER RESISTANT SHUTTERED RECEPTACLE
•	EXISTING WORK		U = USB PORT(S) W = WEATHERPROOF CONTINUOUS USE COVER, GFCI PROTECTED,
	NEW WORK		WITH WEATHER-RESISTANT RECEPTACLE
		0	DUPLEX RECEPTACLE, FLUSH FLOOR
	COMBINATION EXIT SIGN CEILING MOUNTED AND DUAL HEAD	_	
	EMERGENCY EGRESS LIGHTING WITH BATTERY PACK. ARROW(S) INDICATES DIRECTION IF SHOWN	<b>⊕</b>	DOUBLE DUPLEX RECEPTACLE, FLUSH FLOOR
	COMBINATION EXIT SIGN WALL MOUNTED AND DUAL HEAD		DOUBLE DUPLEX RECEPTACLE. SEE LETTER CODE LIST AT DUPLEX
	EMERGENCY EGRESS LIGHTING WITH BATTERY PACK. ARROW(S) INDICATES DIRECTION IF SHOWN	#	RECEPTACLE FOR OPTIONS
	EXIT SIGN CEILING MOUNTED, ARROW(S) INDICATES DIRECTION IF	•	FOURDMENT ELECTRICAL CONNECTION
	SHOWN	<b>(A)</b>	EQUIPMENT ELECTRICAL CONNECTION
	EXIT SIGN WALL MOUNTED, ARROW(S) INDICATES DIRECTION IF SHOWN		SPECIAL PURPOSE RECEPTACLE. LETTER CODE DENOTES RECEPTACLE CONFIGURATION
		$\otimes$	LX-XXR = NEMA CONFIGURATION TWIST-LOCK RECEPTACLE X-XXR = NEMA CONFIGURATION STRAIGHT BLADE RECEPTACLE
	RECESSED 1' X 4' LUMINAIRE		P = PENDANT MOUNT WITH CORD GRIPS. VERIFY PENDANT LENGTH X = COORDINATE RECEPTACLE CONFIGURATION WITH EQUIPMENT BEING SUPPLIED
	RECESSED 1' X 4' LUMINAIRE CONNECTED TO EMERGENCY/LIFE		CEILING MOUNTED OCCUPANCY SENSOR
	SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY CONNECTED TO UNSWITCHED CIRCUIT	os	P = PASSIVE INFRARED D = DUAL TECHNOLOGY U = ULTRASONIC, 360 DEG RANGE
	RECESSED 2' X 2' LUMINAIRE	_	H = ULTRASONIC, HALLWAY PATTERN v (LOWERCASE) = VACANCY CONTROL DESIGNATION
			WALL MOUNTED OCCUPANCY SENSOR P = PASSIVE INFRARED
	RECESSED 2' X 2' LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY CONNECTED TO LINCOUTER CIRCUIT	os-	D = DUAL TECHNOLOGY v (LOWERCASE) = VACANCY CONTROL DESIGNATION
	CONNECTED TO UNSWITCHED CIRCUIT		WALL MOUNTED OCCUPANCY SENSOR/SWITCH
	RECESSED 2' X 4' LUMINAIRE	ss	S = DUAL TECH OCCUPANCY SENSOR WITH SEPARATE DIMMER WALL STATION.
	RECESSED 2' X 4' LUMINAIRE CONNECTED TO EMERGENCY/LIFE	**********	MULTIPLE CHANNEL SURFACE METAL RECEPTACLE RACEWAY WITH LOW VOLTAGE DIVIDERS, LENGTH AND RECEPTACLES AS
	SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY CONNECTED TO UNSWITCHED CIRCUIT		INDICATED
	RECESSED LUMINAIRE	0	PHOTO ELECTRIC SWITCH D = CONTINUOUS DIMMING PHOTOCELL
			S = SWITCHED PHOTOCELL SINGLE POLE SWITCH
	RECESSED LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT		2 = DOUBLE POLE SWITCH 3 = THREE-WAY SWITCH
	SURFACE MOUNTED 2' X 2' LUMINAIRE CONNECTED TO		4 = FOUR-WAY SWITCH a THRU z (LOWERCASE) = LUMINAIRE CONTROL DESIGNATION
	EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY CONNECTED TO UNSWITCHED CIRCUIT	,	D = DIMMER F = FAN SPEED CONTROL
		\$	K = KEY OPERATED SWITCH L = LIGHTED HANDLE M = MANUAL MOTOR STARTER WITH THERMAL OVERLOAD
	SURFACE MOUNTED 2' X 4' LUMINAIRE		M = MANUAL MOTOR STARTER WITH THERMAL OVERLOAD P = SWITCH WITH PILOT LIGHT S = SENTRY SWITCH
	SURFACE MOUNTED 2' X 4' LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL		T = INTERVAL TIMER W = WEATHERPROOF SWITCH
	EMERGENCY BATTERY CONNECTED TO UNSWITCHED CIRCUIT		V = LOW VOLTAGE SWITCH
	SURFACE OR PENDANT MOUNTED 1' X 4' LUMINAIRE		
	SURFACE OR PENDANT MOUNTED 1' X 4' LUMINAIRE CONNECTED		
	TO EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY CONNECTED TO UNSWITCHED CIRCUIT		

#### **GENERAL POWER NOTES**

- A. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHT OF ALL ELECTRICAL DEVICES.
- B. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF ALL MECHANICAL AND PLUMBING EQUIPMENT.
- C. BRANCH CIRCUITING FOR ALL EQUIPMENT SHALL BE AS FOLLOWS: i) USE NO. 12 AWG FOR ALL RUNS UP TO 75' ON A 20A-1P BREAKER.
- ii) USE NO. 10 AWG FOR ALL RUNS UP TO 100' ON A 20A-1P BREAKER. D. NO WIRE SMALLER THAN NO. 12 AWG SHALL BE USED FOR BRANCH CIRCUIT
- E. MC CABLE SHALL NOT BE USED WITHOUT WRITTEN PERMISSION FROM THE
- F. RUN GROUND WIRE IN ALL IN-SLAB CONDUIT.
- G. ALL SURFACE MOUNTED DEVICES LOCATED WITHIN ACCESSIBLE SPACES TO BE DRAWN TYPE.
- H. IN FINISHED INTERIOR AREAS, RUN ALL CONDUITS CONCEALED, UNLESS OTHERWISE NOTED. SURFACE CONDUIT OR RACEWAY IS NOT PERMISSIBLE.

#### **GENERAL LIGHTING NOTES**

- A. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHT OF ALL LIGHTING DEVICES.
- B. NO WIRE SMALLER THAN NO. 12 AWG SHALL BE USED FOR BRANCH CIRCUIT WIRING.
- C. MC CABLE SHALL NOT BE USED WITHOUT WRITTEN PERMISSION FROM THE
- D. ALL LIGHTING SWITCHES, DIMMERS, AND MOTION SENSORS TO CONTROL LIGHTING IN THE ROOM THEY ARE LOCATED IN UNLESS OTHERWISE NOTED.
- E. ALL MOTION SENSORS TO BE MOUNTED AT LEAST 4' AWAY FROM ANY
- MECHANICAL DIFFUSERS.
- F. ALL SURFACE MOUNTED DEVICES LOCATED WITHIN ACCESSIBLE CEILING SPACES TO BE DRAWN TYPE.
- G. IN FINISHED INTERIOR AREAS, RUN ALL CONDUITS CONCEALED, UNLESS OTHERWISE NOTED. SURFACE CONDUIT OR RACEWAY IS NOT PERMISSIBLE.

#### **GENERAL ELECTRICAL DEMOLITION NOTES**

- A. ALL UNUSED CONDUIT, LOOSE MC, HANGERS, ETC., SHALL BE REMOVED FROM THE CEILING SPACE. THE INTENT IS TO KEEP THE CEILING SPACE CLEAN.
- B. THE CONTRACTOR SHALL RECORD AS-BUILT INFORMATION SHOWING EXISTING JUNCTION BOXES, CONDUIT ROUTES AND CIRCUIT NUMBERS AND ALL OTHER ELECTRICAL EQUIPMENT NOT REMOVED.
- C. THE CONTRACTOR SHALL TURN OVER EQUIPMENT BEING REMOVED TO THE LANDLORD. EQUIPMENT NOT REQUIRED BY BUILDING MANAGEMENT SHALL BE
- REMOVED FROM SITE BY THE CONTRACTOR. D. ALL SUPPLEMENTARY ELECTRICAL, POWER CONDUIT AND WIRE RISERS AND
- COMMUNICATIONS CONDUIT AND CABLING RISERS BETWEEN FLOORS NOT REQUIRED SHALL BE REMOVED.
- E. THE CONTRACTOR SHALL SEAL ALL UNUSED OPENINGS DUE TO ELECTRICAL DEMOLITION TO ENSURE THE FIRE-RATING IS MAINTAINED. FIRE STOPPING CAULKING PRODUCT SHALL BE NUCO INC. TYPE GG-200 SELF SEALANT.
- F. PROVIDE BLANK COVERPLATES FOR DEVICES SHOWN TO BE REMOVED.
- G. SWITCHES ON WALLS BEING DEMOLISHED SHALL BE REMOVED.
- H. ALL EXISTING LUMINARES LOCATED IN DEMOLISHED CEILINGS ARE TO BE REMOVED. REMOVE ALL ASSOCIATED CONTROLS SUCH AS SLAVE AND DIMMER
- I. UNUSED CONDUIT AND WIRE IS TO BE REMOVED.
- J. ALLOW FOR SOME TEMPORARY BASE BUILDING LIGHTS.
- K. EXISTING DISTRIBUTION EQUIPMENT INCLUDING PANELS, TRANSFORMERS, DISCONNECT SWITCHES, SPLITTERS, ETC., LOCATED IN AREAS UNDER CONSTRUCTION ARE TO REMAIN, UNLESS OTHERWISE NOTED.
- L. POWER CONNECTIONS AND OUTLETS ARE TO BE REMOVED FROM WALLS TO BE
- M. ALL CIRCUITS ORIGINATING FROM THE PANELBOARDS AND AFFECTED BY DEMOLITION SHALL BE REMOVED BACK TO THE POINT OF ORIGIN.
- N. COORDINATE WITH THE SCHOOL PRIOR TO THE COMMENCEMENT OF THE
- O. ENSURE THAT BASE BUILDING WIRING SUCH AS CONTROL WIRING, ETC. IS NOT DAMAGED.

ASSOCIATE ARCHITECT GOES HERE

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Project Owner: CLACKAMAS COMMUNITY COLLEGE

Project Name: CCC Rook TI

Project Adress: 19600 Molalla Avenue Oregon City, OR, 97045 Key Plan



**CONTACT** Alex Magee 100 SW Main Street, Suite 1600 Portland, OR 97204 TEL 503.382.2266 www.interfaceengineering.com

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No. Revision

E0.01 SYMBOL LIST AND GENERAL NOTES - ELECTRICAL

E0.02 LUMINAIRE SCHEDULE AND RELAY SCHEDULE

E1.01 LEVEL 1 - DEMO LIGHTING PLAN

E1.02 LEVEL 1 - DEMO POWER PLAN

E2.01 LEVEL 1 - LIGHTING PLAN E3.01 LEVEL 1 - POWER PLAN

E4.01 LEVEL 1 - LIGHTING ZONING PLAN

E5.01 SINGLE LINE DIAGRAM - ELECTRICAL

E6.01 SCHEDULES - ELECTRICAL E6.02 SCHEDULES - ELECTRICAL

E7.01 DETAILS - ELECTRICAL

**BID SET** 

11/15/2021

Sheet Title SYMBOL LIST **AND GENERAL NOTES -ELECTRICAL** 

Sheet No.

							LUI	MINAIR	<b>E SCHED</b>	ULE								
TYPE	DESCRIPTION	HOUSING	OPTICS	MOUNTING	FINISH	UL/IP RATING	DRIVER LOCATION	DIMMING CONTROL	INITIAL DELIVERED LUMENS	ССТ	CRI	RATED LIFE	LM/W	WATTA	AGE VOLTAG	E MANUFACTURE	R PRE-APPROVED PRODUCTS	REMARKS
P1-8'	SUSPENDED DIRECT/INDIRECT LINEAR LED LUMINAIRE; 2.5"W X 2.5"H X 96"L NOMINAL DIMENSIONS	EXTRUDED ALUMINUM	WIDE SPREAD FROST WHITE UP AND DOWN DIFFUSER	SUSPENDED @ 18" BELOW CEILING	SIGNAL WHITE	DAMP	INTEGRAL	0-10V, 10%	8038 TOTAL; 3296 UP & 4742 DOWN	3500K	90	L70 200000	91	87.0	277	FINELITE HPX SERIES	HP-X-P-ID-8-B-H-935-TG-F-277-MC-FC-10%-FA50-C2-FE SW	PROVIDE SEPARATE DIMMING DRIVERS FOUP AND DOWN LIGHTIING AS INDICATED OF DRAWINGS.
P1-12'	SUSPENDED DIRECT/INDIRECT LINEAR LED LUMINAIRE; 2.5"W X 2.5"H X 144"L NOMINAL DIMENSIONS	EXTRUDED ALUMINUM	WIDE SPREAD FROST WHITE UP AND DOWN DIFFUSER	SUSPENDED @ 18" BELOW CEILING	SIGNAL WHITE	DAMP	INTEGRAL	0-10V, 10%	12057 TOTAL; 4944 UP & 7113 DOWN	3500K	90	L70 200000	91	131.0	277	FINELITE HPX SERIES	HP-X-P-ID-12-B-H-935-TG-F-277-MC-FC-10%-FA50-C2-F -SW	PROVIDE SEPARATE DIMMING DRIVERS FO UP AND DOWN LIGHTIING AS INDICATED ON DRAWINGS.
P1-16'	SUSPENDED DIRECT/INDIRECT LINEAR LED LUMINAIRE; 2.5"W X 2.5"H X 192"L NOMINAL DIMENSIONS	EXTRUDED ALUMINUM	WIDE SPREAD FROST WHITE UP AND DOWN DIFFUSER	SUSPENDED @ 18" BELOW CEILING	SIGNAL WHITE	DAMP	INTEGRAL	0-10V, 10%	16076 TOTAL; 6592 UP & 9484 DOWN	3500K	90	L70 200000	91	174.0	277	FINELITE HPX SERIES	HP-X-P-ID-16-B-H-935-TG-F-277-MC-FC-10%-FA50-C2-F -SW	PROVIDE SEPARATE DIMMING DRIVERS FO UP AND DOWN LIGHTING AND ZONES NEAR PROJECTOR AS INDICATED ON DRAWINGS.
P1-20'	SUSPENDED DIRECT/INDIRECT LINEAR LED LUMINAIRE; 2.5"W X 2.5"H X 240"L NOMINAL DIMENSIONS	EXTRUDED ALUMINUM	WIDE SPREAD FROST WHITE UP AND DOWN DIFFUSER	SUSPENDED @ 18" BELOW CEILING	SIGNAL WHITE	DAMP	INTEGRAL	0-10V, 10%	20095 TOTAL; 8240 UP & 11855 DOWN	3500K	90	L70 200000	91	218.0	277	FINELITE HPX SERIES	HP-X-P-ID-20-B-H-935-TG-F-277-MC-FC-10%-FA50-C2-F -SW	PROVIDE SEPARATE DIMMING DRIVERS FO UP AND DOWN LIGHTING AND ZONES NEAR PROJECTOR AS INDICATED ON DRAWINGS.
R1'	RECESSED LED TROFFER; 24"W X 24"L X 2"H NOMINAL DIMENSIONS	ALUMINUM	ACRYLIC DIFFUSER	RECESSED	WHITE	DAMP	INTEGRAL	0-10V, 10%	3332	3500K	90	L80 60000	123	27.0	277	LITHONIA BLT SERIES	2BLT2-33L-ADSM-EZ1-LP935-PWS1856LV	
R2'	RECESSED LED TROFFER; 24"W X 24"L X 2"H NOMINAL DIMENSIONS	ALUMINUM	ACRYLIC DIFFUSER	RECESSED	WHITE	DAMP	INTEGRAL	0-10V, 10%	4041	3500K	90	L80 60000	126	32.0	277	LITHONIA BLT SERIES	2BLT2-40L-ADSM-EZ1-LP935-PWS1856LV	
'R3-4'	RECESSED LED LUMINAIRE; 2.25"W X 4"H X 48"L NOMINAL DIMENSIONS	EXTRUDED ALUMINUM	WIDE SPREAD FROST WHITE DIFFUSER	RECESSED IN ACT	SIGNAL WHITE	DAMP	INTEGRAL	0-10V, 10%	2498	3500K	90	L70 200000	68	36.8	277	FINELITE HP SERIES	HP-2-R-D-4-V-935-F-96LG-277-SC-FC-10%-FE-SW	COORDINATE WITH ARCHITECT FOR EXACT ACT MOUNTING TYPE
'R3-8'	RECESSED LED LUMINAIRE; 2.25"W X 4"H X 96"L NOMINAL DIMENSIONS	EXTRUDED ALUMINUM	WIDE SPREAD FROST WHITE DIFFUSER	RECESSED IN ACT	SIGNAL WHITE	DAMP	INTEGRAL	0-10V, 10%	4996	3500K	90	L70 200000	68	73.6	277	FINELITE HP SERIES	HP-2-R-D-8-V-935-F-96LG-277-SC-FC-10%-FE-SW	COORDINATE WITH ARCHITECT FOR EXACT ACT MOUNTING TYPE
'R4-4'	RECESSED LED LUMINAIRE; 2.25"W X 4"H X 48"L NOMINAL DIMENSIONS	EXTRUDED ALUMINUM	WIDE SPREAD FROST WHITE DIFFUSER	RECESSED IN GYPSUM	SIGNAL WHITE	DAMP	INTEGRAL	0-10V, 10%	2498	3500K	90	L70 200000	68	36.8	277	FINELITE HP SERIES	HP-2-R-D-4-V-935-F-96LG-277-SC-FC-10%-SF-FE-SW	COORDINATE WITH ARCHITECT FOR EXACT GYP MOUNTING TYPE
R4-8'	RECESSED LED LUMINAIRE; 2.25"W X 4"H X 96"L NOMINAL DIMENSIONS	EXTRUDED ALUMINUM	WIDE SPREAD FROST WHITE DIFFUSER	RECESSED IN GYPSUM	SIGNAL WHITE	DAMP	INTEGRAL	0-10V, 10%	4996	3500K	90	L70 200000	68	73.6	277	FINELITE HP SERIES	HP-2-R-D-8-V-935-F-96LG-277-SC-FC-10%-SF-FE-SW	COORDINATE WITH ARCHITECT FOR EXACT GYP MOUNTING TYPE
'R4-20'	RECESSED LED LUMINAIRE; 2.25"W X 4"H X 240"L NOMINAL DIMENSIONS	EXTRUDED ALUMINUM	WIDE SPREAD FROST WHITE DIFFUSER	RECESSED IN GYPSUM	SIGNAL WHITE	DAMP	INTEGRAL	0-10V, 10%	12490	3500K	90	L70 200000	68	184.0	277	FINELITE HP SERIES	HP-2-R-D-20-V-935-F-96LG-277-SC-FC-10%-SF-FE-SW	COORDINATE WITH ARCHITECT FOR EXACT GYP MOUNTING TYPE
'W1-12'	SURFACE DIRECT/INDIRECT LED LUMINAIRE; 2.25"W X 5"H X 144"L NOMINAL DIMENSIONS	EXTRUDED ALUMINUM	WIDE SPREAD FROST WHITE UP AND DOWN DIFFUSER	WALL MOUNTED @ 8'-2" A.F.F.	SIGNAL WHITE	DAMP	INTEGRAL	0-10V, 10%	10104 TOTAL; 4446 UP & 5658 DOWN	3500K	90	L70 200000	95	140.0	277	FINELITE HP SERIES	HP-2-WM-ID-12-B-H-935-F-F-96LG-277-SC-FC-10%-MB- E-SW	ALTERNATE 3: PROVIDE SEPARATE PRICE TO REPLACE EXISTING WALL MOUNTED FIXURES WITH NEW TYPE 'W' LED LUMINAIRES
W1-16'	SURFACE DIRECT/INDIRECT LED LUMINAIRE; 2.25"W X 5"H X 192"L NOMINAL DIMENSIONS	EXTRUDED ALUMINUM	WIDE SPREAD FROST WHITE UP AND DOWN DIFFUSER	WALL MOUNTED @ 8'-2" A.F.F.	SIGNAL WHITE	DAMP	INTEGRAL	0-10V, 10%	13472 TOTAL; 5928 UP & 7544 DOWN	3500K	90	L70 200000	95	187.0	277	FINELITE HP SERIES	HP-2-WM-ID-16-B-H-935-F-F-96LG-277-SC-FC-10%-MB- E-SW	ALTERNATE 3: PROVIDE SEPARATE PRICE TO REPLACE EXISTING WALL MOUNTED FIXURES WITH NEW TYPE 'W' LED LUMINAIRES
W1-24'	SURFACE DIRECT/INDIRECT LED LUMINAIRE; 2.25"W X 5"H X 288"L NOMINAL DIMENSIONS	EXTRUDED ALUMINUM	WIDE SPREAD FROST WHITE UP AND DOWN DIFFUSER	WALL MOUNTED @ 8'-2" A.F.F.	SIGNAL WHITE	DAMP	INTEGRAL	0-10V, 10%	20208 TOTAL; 11856 UP & 15088 DOWN	3500K	90	L70 200000	95	281.0	277	FINELITE HP SERIES	HP-2-WM-ID-24-B-H-935-F-F-96LG-277-SC-FC-10%-MB-E-SW	ALTERNATE 3: PROVIDE SEPARATE PRICE TO REPLACE EXISTING WALL MOUNTED FIXURES WITH NEW TYPE 'W' LED LUMINAIRES
X'	EXIT SIGN	EXTRUDED BRUSH ALUMINUM	ED GREEN ON MIRROR	REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING CONDITIONS	WHITE	UL DAMP	INTEGRAL	N/A	N/A	N/A	N/A	N/A	N/A	2.0		LITHONIA LIGHTING EDG	SIGN: EDG-W-1-G ACCESSORY: ELA US12	

NOTES

- 2 DIMMING CONTROL PROTOCOL (0-10VDC, LINE VOLTAGE, DALI, ETC.) COMPATIBLE WITH LIGHTING CONTROL SYSTEM AS SPECIFIED AND SHOWN ON DRAWINGS.
- 3 PROVIDE +/- 12 INCH ADJUSTABILITY IN AIRCRAFT CABLE LENGTH WHERE USED.
- 4 COORDINATE ALL CEILING TYPES WITH LUMINAIRE LOCATIONS PRIOR TO ORDERING LUMINAIRES. COORDINATE INSTALLATION WITH REFLECTED CEILING PLAN.
- 5 SPECIFIED MANUFACTURERS ARE BASIS OF DESIGN. SUBMIT ALTERNATES FOR APPROVAL PRIOR TO BID CLOSE.
- 6 PROVIDE SUBMITTALS THAT INCLUDE THE LUMINAIRE, LAMP AND DRIVER INFORMATION OF EACH LUMINAIRE, WITH APPLICABLE OPTIONS CLEARLY CHECKED OR HIGHLIGHTED. SUBMITTALS NOT INCLUDING THIS INFORMATION WILL BE RETURNED AS REJECTED BY THE ENGINEER OF RECORD.
- 7 REMOTE BALLASTS/DRIVERS: UL LISTED FOR THEIR APPLICATION. BALLASTS/DRIVERS MARKED AS UL RECOGNIZED COMPONENT BUT NOT UL LISTED ARE SUBJECT TO REMOVAL AND
- REPLACEMENT AT NO COST TO OWNER.

  8 LABEL ALL REMOTE DRIVERS TO SHOW LUMINAIRE TYPE IDENTIFICATION AND SOURCE CIRCUIT. PROVIDE WIRING BETWEEN REMOTE DRIVER AND LUMINAIRE AS RECOMMENDED BY MANUFACTURER. DO NOT EXCEED MAXIMUM DISTANCE RECOMMENDED BY MANUFACTURER BETWEEN DRIVER AND FURTHEST LUMINAIRE.

			LVRP	ENCLOSURE:				
				FLUSH	_			
				SURFACE X  NEMA RATING	-			
DEL AV#	70NE#	CIDCUIT				l	1	
RELAY#	ZONE#	CIRCUIT	DESCRIPTION	LOCAL ZONE CONTROL	CONTROL FUNCTION	LOAD CONTROLLED	VOLTAGE	NOTES
1	1-1	4A1-1.	LOBBY AND LOUNGE	DT, SC	AUTO OFF/ON WITH OCCUPANCY SENSOR AND TIMECLOCK CONTROL. MANUAL SCENE SELECTION WITH WALL DIMMER. NORMAL POWER LOSS WITHIN ZONE TRIGGERS EMERGENCY LUMINAIRE TO GO TO FULL BRIGHTNESS.	LEVEL 1 - ROOK HALL	277	
2	1-2	4A1-1.	CLASSROOM 110	DT, SC	AUTO OFF WITH OCCUPANCY SENSOR. MANUAL SCENE SELECTION WITH WALL DIMMER.	LEVEL 1 - ROOK HALL	277	DIRECT AND INDIRECT LIGHT SOURCES ARE TO BE ON SEPARATE SWITCH LEGS FOR INDIVIDUAL CONTROL.
3	1-3	4A1-1.	LG. MEETING ROOM 111A	DT, SC	AUTO OFF WITH OCCUPANCY SENSOR. MANUAL SCENE SELECTION WITH WALL DIMMER. NORMAL POWER LOSS WITH ZONE TRIGGERS EMERGENCY LUMINAIRE TO GO TO FULL BRIGHTNESS.	LEVEL 1 - ROOK HALL	277	DIRECT AND INDIRECT LIGHT SOURCES ARE TO BE ON SEPARATE SWITCH LEGS FOR INDIVIDUAL CONTROL.
4	1-4	4A1-1.	LG. MEETING ROOM 111B	DT, SC	SEE RELAY #3 CONTROL FUNCTIONS.	LEVEL 1 - ROOK HALL	277	DIRECT AND INDIRECT LIGHT SOURCES ARE TO BE OF SEPARATE SWITCH LEGS FOR INDIVIDUAL CONTROL.
5	1-5	4A1-1.	CLASSROOM 112	DT, SC	SEE RELAY #2 CONTROL FUNCTIONS.	LEVEL 1 - ROOK HALL	277	DIRECT AND INDIRECT LIGHT SOURCES ARE TO BE ON SEPARATE SWITCH LEGS FOR INDIVIDUAL CONTROL.
6	1-6	4A1-1.	STORAGE 114	DT, DM	AUTO OFF WITH OCCUPANCY SENSOR. MANUAL ON/OFF AND DIMMING WITH WALL STATION.	LEVEL 1 - ROOK HALL	277	
7	1-7	4A1-1.	STORAGE 117	DM, WDT	AUTO OFF WITH WALL MOUNTED OCCUPANCY SENSOR. MANUAL ON/OFF AND DIMMING WITH WALL STATION.	LEVEL 1 - ROOK HALL	277	
8	1-8	4A1-1.	RESTROOM 116	DM, WDT	SEE RELAY #7 CONTROL FUNCTIONS.	LEVEL 1 - ROOK HALL	277	
9	1-9	4A1-1.	MOTHER'S ROOM	DM, WDT	SEE RELAY #7 CONTROL FUNCTIONS.	LEVEL 1 - ROOK HALL	277	
10	1-10	4A1-1.	CONFERENCE ROOM 121	DT, SC	SEE RELAY #2 CONTROL FUNCTIONS.	LEVEL 1 - ROOK HALL	277	DIRECT AND INDIRECT LIGHT SOURCES ARE TO BE OF SEPARATE SWITCH LEGS FOR INDIVIDUAL CONTROL.
11	1-11	4A1-1.	RECEPTION 120	DT, DM	SEE RELAY #6 CONTROL FUNCTIONS.	LEVEL 1 - ROOK HALL	277	
12	1-12	4A1-1.	OFFICE 122	DT, DM	SEE RELAY #6 CONTROL FUNCTIONS.	LEVEL 1 - ROOK HALL	277	DIRECT AND INDIRECT LIGHT SOURCES ARE TO BE O
13		4A1-1.	CONFERENCE ROOM 123  STAFF ROOM 124	DT, SC	SEE RELAY #2 CONTROL FUNCTIONS.  SEE RELAY #6 CONTROL FUNCTIONS.	LEVEL 1 - ROOK HALL  LEVEL 1 - ROOK HALL	277	SEPARATE SWITCH LEGS FOR INDIVIDUAL CONTROL
15	<del>                                     </del>	4A1-5.	OFFICE 141	DT, DM	SEE RELAY #6 CONTROL FUNCTIONS.	LEVEL 1 - ROOK HALL	277	
16	1-16	4A1-5.	OFFICE 142	DT, DM	SEE RELAY #6 CONTROL FUNCTIONS.	LEVEL 1 - ROOK HALL	277	
17	1-17	4A1-5.	OFFICE 143	DT, DM	SEE RELAY #6 CONTROL FUNCTIONS.	LEVEL 1 - ROOK HALL	277	
18	1-18	4A1-5.	OFFICE 144	DT, DM	SEE RELAY #6 CONTROL FUNCTIONS.	LEVEL 1 - ROOK HALL	277	
19	1-19	4A1-5.	HALL 140B	DT, DM	AUTO OFF WITH OCCUPANCY SENSOR. MANUAL ON/OFF AND DIMMING WITH WALL STATION. NORMAL POWER LOSS WITH ZONE TRIGGERS EMERGENCY LUMINAIRE TO GO TO FULL BRIGHTNESS.	LEVEL 1 - ROOK HALL	277	
20	1-20	4A1-5.	OFFICE 145	DT, DM	SEE RELAY #6 CONTROL FUNCTIONS.	LEVEL 1 - ROOK HALL	277	
21	1-21	4A1-5.	WORK ROOM 136	DT	AUTO OFF WITH OCCUPANCY SENSOR.	LEVEL 1 - ROOK HALL	277	
22	1-22	4A1-5.	CONFERENCE ROOM 135	DT, SC	SEE RELAY #2 CONTROL FUNCTIONS.	LEVEL 1 - ROOK HALL	277	DIRECT AND INDIRECT LIGHT SOURCES ARE TO BE C SEPARATE SWITCH LEGS FOR INDIVIDUAL CONTROL
23	1-23	4A1-5.	VP OFFICE 132	DT, DM	SEE RELAY #6 CONTROL FUNCTIONS.	LEVEL 1 - ROOK HALL	277	
24	1-24	4A1-5.	WAITING	DT, DM	SEE RELAY #19 CONTROL FUNCTIONS.	LEVEL 1 - ROOK HALL	277	
25	1-25	4A1-5.	OPEN OFFICE	DT, SC	SEE RELAY #3 CONTROL FUNCTIONS.	LEVEL 1 - ROOK HALL	277	
26		4A1-5.	PRESIDENT OFFICE	DT, DM	SEE RELAY #6 CONTROL FUNCTIONS.	LEVEL 1 - ROOK HALL	277	
27	1-27	4A1-5.	VP OFFICE 133	DT, DM	SEE RELAY #6 CONTROL FUNCTIONS.	LEVEL 1 - ROOK HALL	277	
28	1-28	4A1-5.	HALL 104	DT	AUTO OFF/ON WITH OCCUPANCY SENSOR AND TIMECLOCK CONTROL. NORMAL POWER LOSS WITHIN ZONE TRIGGERS EMERGENCY LUMINAIRE TO GO TO FULL BRIGHTNESS.	LEVEL 1 - ROOK HALL	277	
29	1-2R	2B1-1.	CLASSROOM 110	DT	HALF SWITCHED RECEPTACLE BY OCCUPANCY RELAY.	LEVEL 1 - ROOK HALL	120	
30	1-2R	2B1-12.	CLASSROOM 110	DT	HALF SWITCHED RECEPTACLE BY OCCUPANCY RELAY.	LEVEL 1 - ROOK HALL	120	
31	<b>.</b>	2B1-33.	CLASSROOM 110	DT	HALF SWITCHED RECEPTACLE BY OCCUPANCY RELAY.	LEVEL 1 - ROOK HALL	120	
32		2B1-17.	CONFERENCE ROOM 121	DT	HALF SWITCHED RECEPTACLE BY OCCUPANCY RELAY.	LEVEL 1 - ROOK HALL	120	
33		2C1-21.	OFFICE 122	DT	HALF SWITCHED RECEPTACLE BY OCCUPANCY RELAY.	LEVEL 1 - ROOK HALL	120	
34		2C1-17.	CONFERENCE ROOM 123	DT	HALF SWITCHED RECEPTACLE BY OCCUPANCY RELAY.	LEVEL 1 - ROOK HALL	120	
35	<u> </u>	2A1-21.	OFFICE 141 OFFICE 142	DT DT	HALF SWITCHED RECEPTACLE BY OCCUPANCY RELAY.  HALF SWITCHED RECEPTACLE BY OCCUPANCY RELAY.	LEVEL 1 - ROOK HALL  LEVEL 1 - ROOK HALL	120 120	
36		2A1-11.	OFFICE 142 OFFICE 143	DT	HALF SWITCHED RECEPTACLE BY OCCUPANCY RELAY.  HALF SWITCHED RECEPTACLE BY OCCUPANCY RELAY.	LEVEL 1 - ROOK HALL	120	
38		2C1-27.	OFFICE 144	DT	HALF SWITCHED RECEPTACLE BY OCCUPANCY RELAY.	LEVEL 1 - ROOK HALL	120	
39		2C1-35.	HALL 140B	DT	HALF SWITCHED RECEPTACLE BY OCCUPANCY RELAY.	LEVEL 1 - ROOK HALL	120	
40	1-20R	2C1-25.	OFFICE 145	DT	HALF SWITCHED RECEPTACLE BY OCCUPANCY RELAY.	LEVEL 1 - ROOK HALL	120	
41	1-21R	2C1-18.	WORK ROOM 136	DT	HALF SWITCHED RECEPTACLE BY OCCUPANCY RELAY.	LEVEL 1 - ROOK HALL	120	
42	1-21R	2C1-20.	WORK ROOM 137	DT	HALF SWITCHED RECEPTACLE BY OCCUPANCY RELAY.	LEVEL 1 - ROOK HALL	120	
43	1-21R	2C1-22.	WORK ROOM 138	DT	HALF SWITCHED RECEPTACLE BY OCCUPANCY RELAY.	LEVEL 1 - ROOK HALL	120	
44	1-21R	2C1-29.	WORK ROOM 139	DT	HALF SWITCHED RECEPTACLE BY OCCUPANCY RELAY.	LEVEL 1 - ROOK HALL	120	
45	1-22R	2C1-29.	CONFERENCE ROOM 135	DT	HALF SWITCHED RECEPTACLE BY OCCUPANCY RELAY.	LEVEL 1 - ROOK HALL	120	
46	1-22R	2C1-41.	CONFERENCE ROOM 136	DT	HALF SWITCHED RECEPTACLE BY OCCUPANCY RELAY.	LEVEL 1 - ROOK HALL	120	
47	1 2011	2C1-5.	VP OFFICE 132	DT	HALF SWITCHED RECEPTACLE BY OCCUPANCY RELAY.	LEVEL 1 - ROOK HALL	120	
48		2C1-11.	VP OFFICE 133	DT	HALF SWITCHED RECEPTACLE BY OCCUPANCY RELAY.	LEVEL 1 - ROOK HALL	120	
49		2C1-41.	PRESIDENT OFFICE 134	DT	HALF SWITCHED RECEPTACLE BY OCCUPANCY RELAY.	LEVEL 1 - ROOK HALL	120	
50		2C1-1.	VP OFFICE 133	DT	HALF SWITCHED RECEPTACLE BY OCCUPANCY RELAY.	LEVEL 1 - ROOK HALL	120	
51	1-27R	2C1-5.	VP OFFICE 133	DT	HALF SWITCHED RECEPTACLE BY OCCUPANCY RELAY.	LEVEL 1 - ROOK HALL	120	

#### RODUCT BASIS OF DESIGN LEGEND

- DT DUAL TECH OCCUPANCY SENSOR BDS-600SSA
  SW WALL SWITCH CTS1CH-WH
- DM DIMMER SWITCH CTS1RL-WH
  SC SCENE CONTROLLER SWITCH CTS2F
- SC SCENE CONTROLLER SWITCH CTS2RL-WH
  WDT WALL MOUNTED DUAL TECH OCCUPANCY SENSOR OS-551DT

#### GENERAL NOTES:

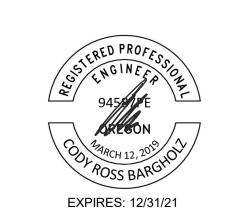
- EMERGENCY LIGHTING DIMS/ON-OFF WITH NORMAL LIGHTING UNLESS NORMAL POWER IS LOST THEN EMERGENCY LUMINAIRES ARE TO TURN ON AND GO TO FULL BRIGHTNESS.
- EXIT SIGNS TO BE UNSWITCHED.

  CUSTOM SCENE BUTTONS ARE TO BE SELECTED BY
- CUSTOM SCENE BUTTONS ARE TO BE SELECTED BY OWNER PRIOR TO ORDERING. PROVIDE WALL MOUNTING KITS APPROPRIATE TO ROUGH-IN AND WALL MATERIAL.

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Oregon City, OR, 97045

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INTERFACE ENGINEERING

PROJECT 2021-0057

CONTACT Alex Magee

100 SW Main Street, Suite 1600
Portland, OR 97204

TEL 503.382.2266

www.interfaceengineering.com

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Date: 11/15/2021

Sheet Title

LUMINAIRE

SCHEDULE AND

RELAY

Shoot No.

E0.0

SCHEDULE

<sup>1</sup> THIS LUMINAIRE SCHEDULE IS NOT COMPLETE WITHOUT A COPY OF THE PROJECT MANUAL CONTAINING THE ELECTRICAL SPECIFICATIONS.

#### **GENERAL SHEET NOTES**

A. LIGHTING FIXTURES AND DEVICES SHOWN DARK SHADED AND DESIGNATED WITH THE SUBSCRIPT (X) ARE EXISTING TO BE REMOVED.



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## ○ SHEET KEYNOTES

 BASE BID: REMOVE WALL MOUNTED FIXTURES AS NEEDED FOR DEMOLITION, EXISTING TO REMAIN. ALT 3: PROVIDE NEW TYPE 'W' LED LUMINAIRES.



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Sheet Title

LEVEL 1 - DEMO LIGHTING PLAN

E1.01



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100 SW Main Street, Suite 1600
Portland, OR 97204
TEL 503.382.2266
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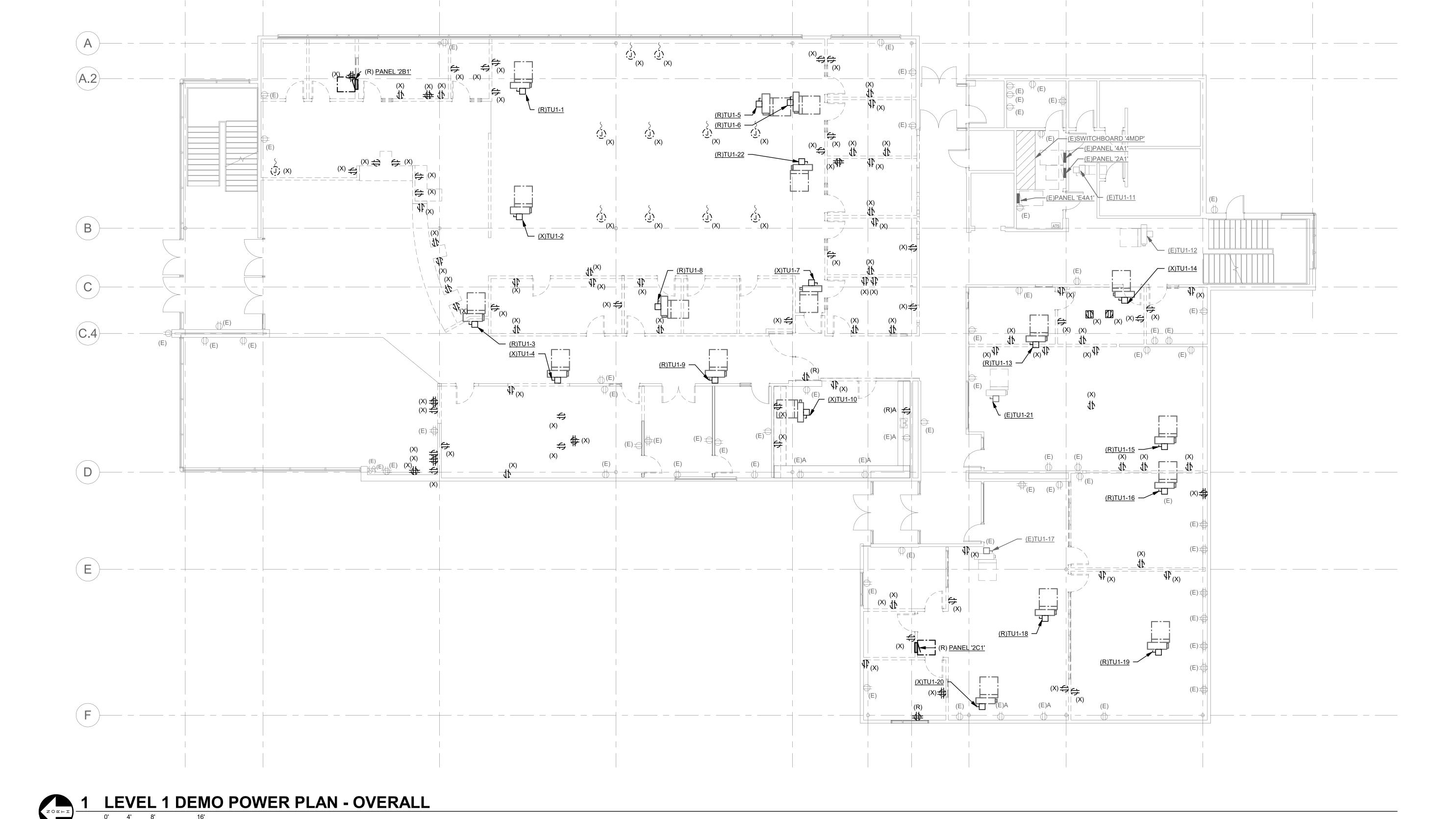
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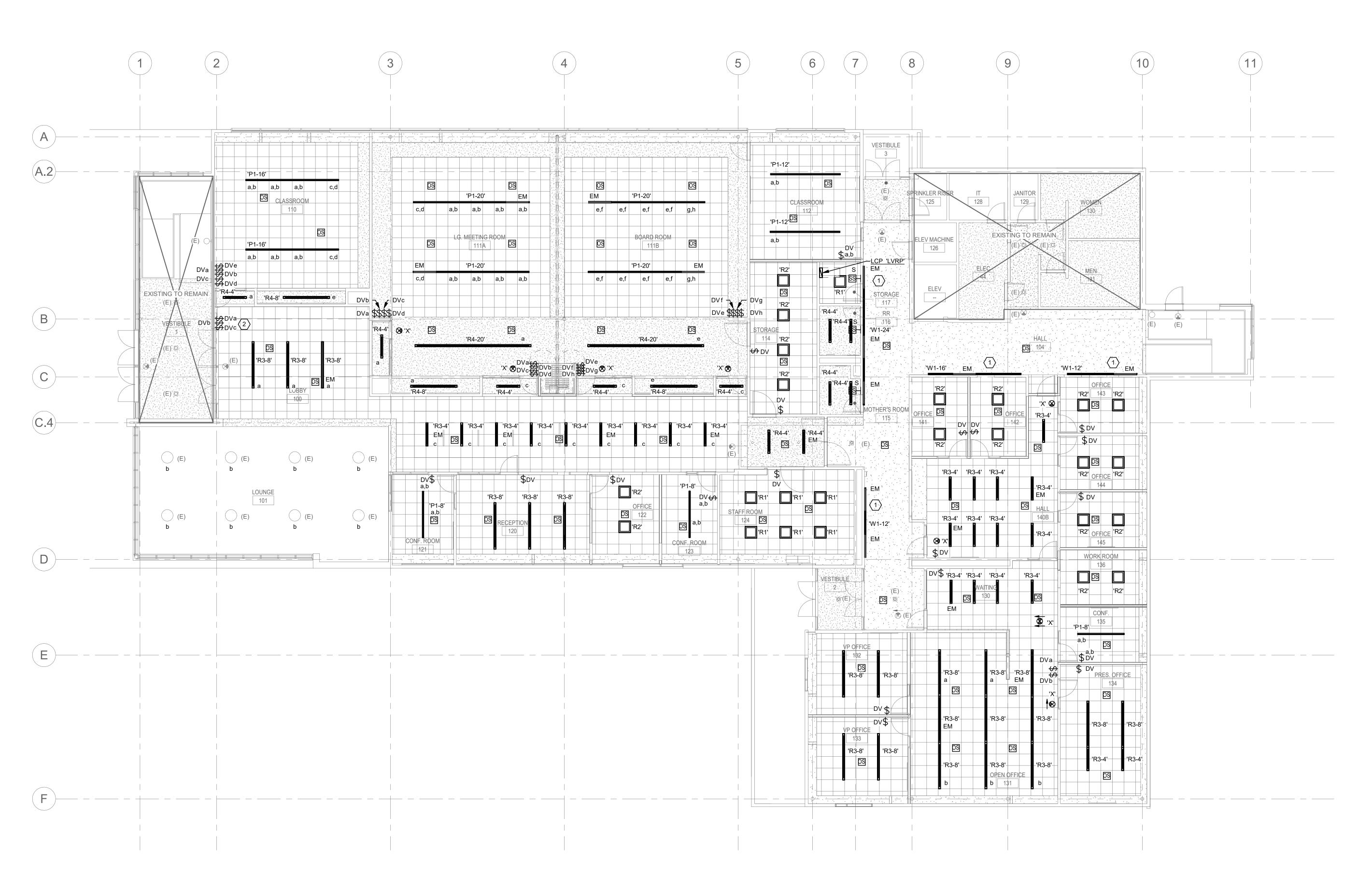
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Sheet Title
LEVEL 1 - DEMO
POWER PLAN

E1.02





# **LEVEL 1 LIGHTING PLAN - OVERALL**

## **GENERAL SHEET NOTES**

- A. CONNECT NEW EXIT SIGNS TO NEAREST EXISTING EXIT SIGN CIRCUIT. NEW EXIT SIGNS TO MATCH EXISTING BASE BUILDING STANDARD.
- B. SWITCH TO CONTROL LIGHTING WITHIN SPACE IT IS LOCATED
- C. OCCUPANCY SENSOR TO CONTROL LIGHTING WITHIN SPACE IT IS LOCATED IN.
- D. PROVIDE BOTH SWITCHED AND UNSWITCHED CIRCUIT LEGS FOR EMERGENCY LIGHTING LUMINAIRES DESIGNATED WITH
- THE SUBSCRIPT 'EM'. E. CONNECT NEW EMERGENCY LUMINAIRES TO EXISTING EMERGENCY CIRCUIT MADE AVAILABLE BY DEMOLITION OF
- EXISTING EMERGENCY LIGHTS, UNLESS OTHERWISE NOTED. F. ALL NEW LIGHTING TO BE CONNECTED TO LIGHTING RELAY
- CONTROL PANEL 'LVRP.' SEE SHEET E0.02 FOR RELAY SCHEDULE.
- G. CONNECT NEW LUMINAIRES NORTH OF GRID LINE 7 AND EAST OF GRID LINE D TO EXISTING CIRCUIT 4A1-1. CONNECT ALL OTHER NEW LUMINAIRES TO EXISTING CIRCUIT 4A1-5. UNLESS OTHERWISE NOTED.

#### ○ SHEET KEYNOTES

1. BASE BID: REMOVE WALL MOUNTED FIXTURES AS NEEDED FOR DEMOLITION, EXISTING TO REMAIN. ALT 3: PROVIDE NEW TYPE 'W' LED LUMINAIRES.

2. PROVIDE NEW LIGHTING CONTROLS AND RECONFIGURE WIRING AS REQUIRED. EXTEND CONDUIT AND CONDUCTORS.



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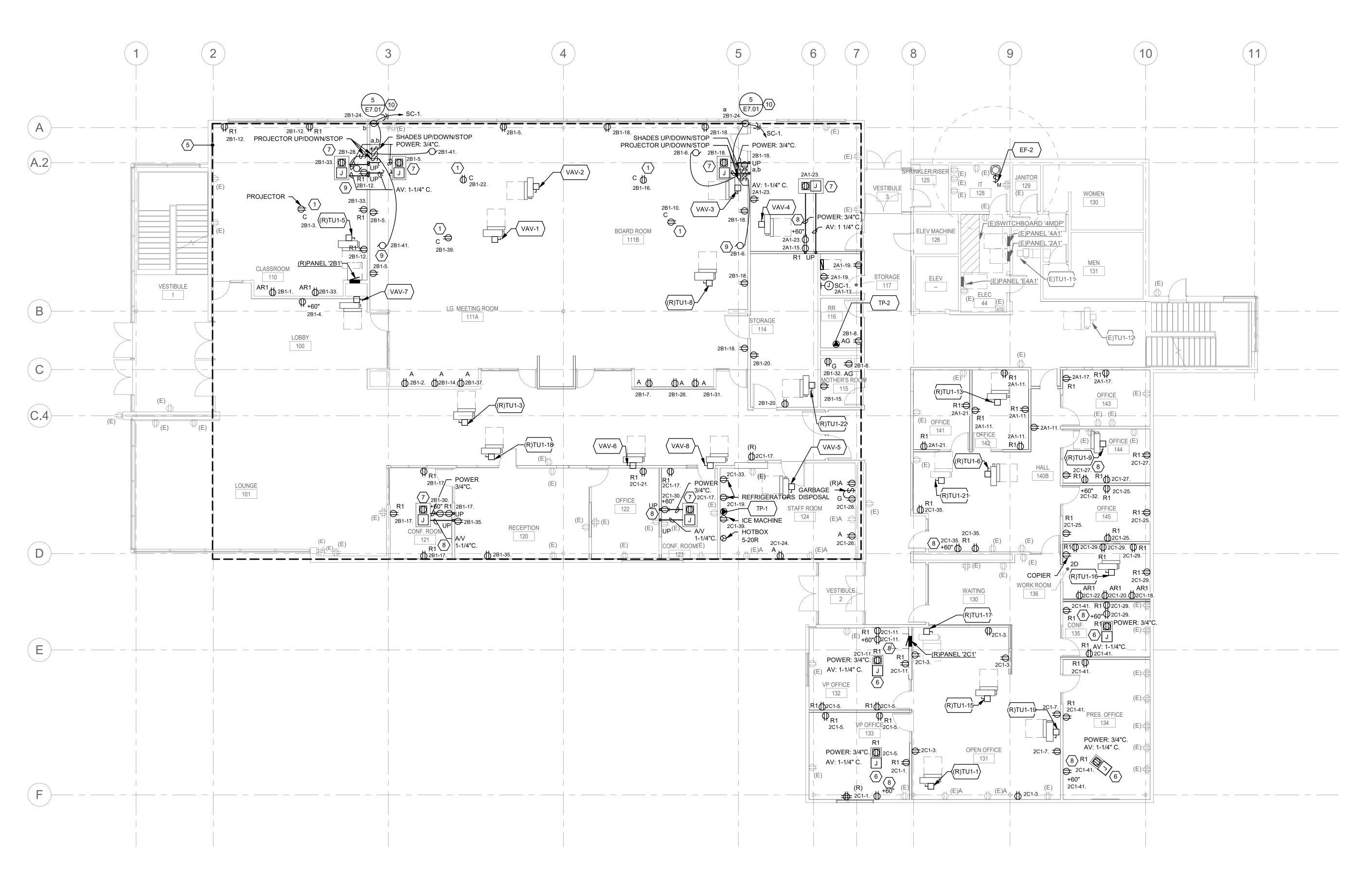
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Sheet Title

LEVEL 1 -LIGHTING PLAN

E2.01



## **LEVEL 1 POWER PLAN - OVERALL**

## **GENERAL SHEET NOTES**

A. VERIFY ALL EXISTING CONDITIONS PRIOR TO ROUGH-IN. REUSE EXISTING CIRCUITING WHERE POSSIBLE.

#### ○ SHEET KEYNOTES

- PROVIDE CEILING MOUNTED RECEPTACLE AND DATA OUTLET FOR TENANT PROVIDED PROJECTOR AND SCREEN. VERIFY EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- 2. RECONNECT RELOCATED TERMINAL UNITS TO EXISTING BRANCH CIRCUIT. COORDINATE WITH DIVISION 23.
- 3. CONNECT NEW ELECTRONIC TRAP PRIMER TO NEW 15A-1P BREAKER IN PANEL 2A1 USING 2#12 AND 1#12 GND IN 3/4"C. COORDINATE WITH DIVISION 22.
- 4. CONNECT RECEPTACLE TO CIRCUIT IN ROOM MADE AVAILABLE BY DEMOLITION.
- 5. DENOTES RAISED FLOOR.
- 6. PROVIDE HUBBELL SYSTEM ONE 4-GANG ON GRADE RATED FLOOR BOX. BOX TO BE HUBBELL CAT. NO. CFB4G30RCR-CFBS1R8CVRBLK. PROVIDE BLACK COVER PLATES FOR UNUSED COMMUNICATIONS OPENINGS.
- 7. PROVIDE HUBBELL SYSTEM ONE 10-GANG FLOOR BOX. BOX TO BE HUBBELL CAT. NO. AFB10G55 10GAFBCVRBK. PROVIDE BLACK COVER PLATES FOR UNUSED COMMUNICATIONS OPENINGS.
- 8. FLAT PANEL DISPLAYS AND MOUNTING HARDWARE TO BE OFCI.
- 9. MOTORIZED PROJECTOR SCREENS AND MOUNTING HARDWARE TO BE OFCI.

10. MOTORIZED SHADES: 120V, 2.0A, MOTORIZED SHADES ROUTED

BACK TO SHADE CONTROLLER, DESIGNATED IN FORMAT OF 'SC-#', NO MORE THAN FOUR MOTORS TO EACH SHADE CONTROLLER. CONTROLLERS TO BE CONNECTED TO FACTORY-SUPPLIED UP/DOWN/STOP CONTROLLER LOCATED IN AV CONTROLLER BOX. SEE ARCHITECTURAL DRAWINGS FOR SHADE AND MOTOR LOCATIONS. INSTALL MC WHIP WITH PLUG-AND-PLAY CONNECTOR TO MATCH WHIP ON SHADE MOTOR, SUPPLIED BY SHADE MANUFACTURER WITH SHADE CONTROLLER. INSTALL SHADE CONTROLLER PER MANUFACTURER SPECIFICATION. SMALL LETTER ('a', 'b', 'c', etc.). DESIGNATED BY EACH MOTOR INDICATES ZONE OF CONTROL BY MANUAL CONTROLLER. CONTRACTOR TO PROVIDE ALL REQUIRED LOW-VOLTAGE CABLING PER MANUFACTURER REQUIREMENTS. REFER TO DETAIL (5) 'MOTORIZED SHADE CONTROL SCHEMATIC' ON SHEET É-701. COORDINATE FINAL SHADE MOTOR, CONTROLLER, AND CONTROLS LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN.

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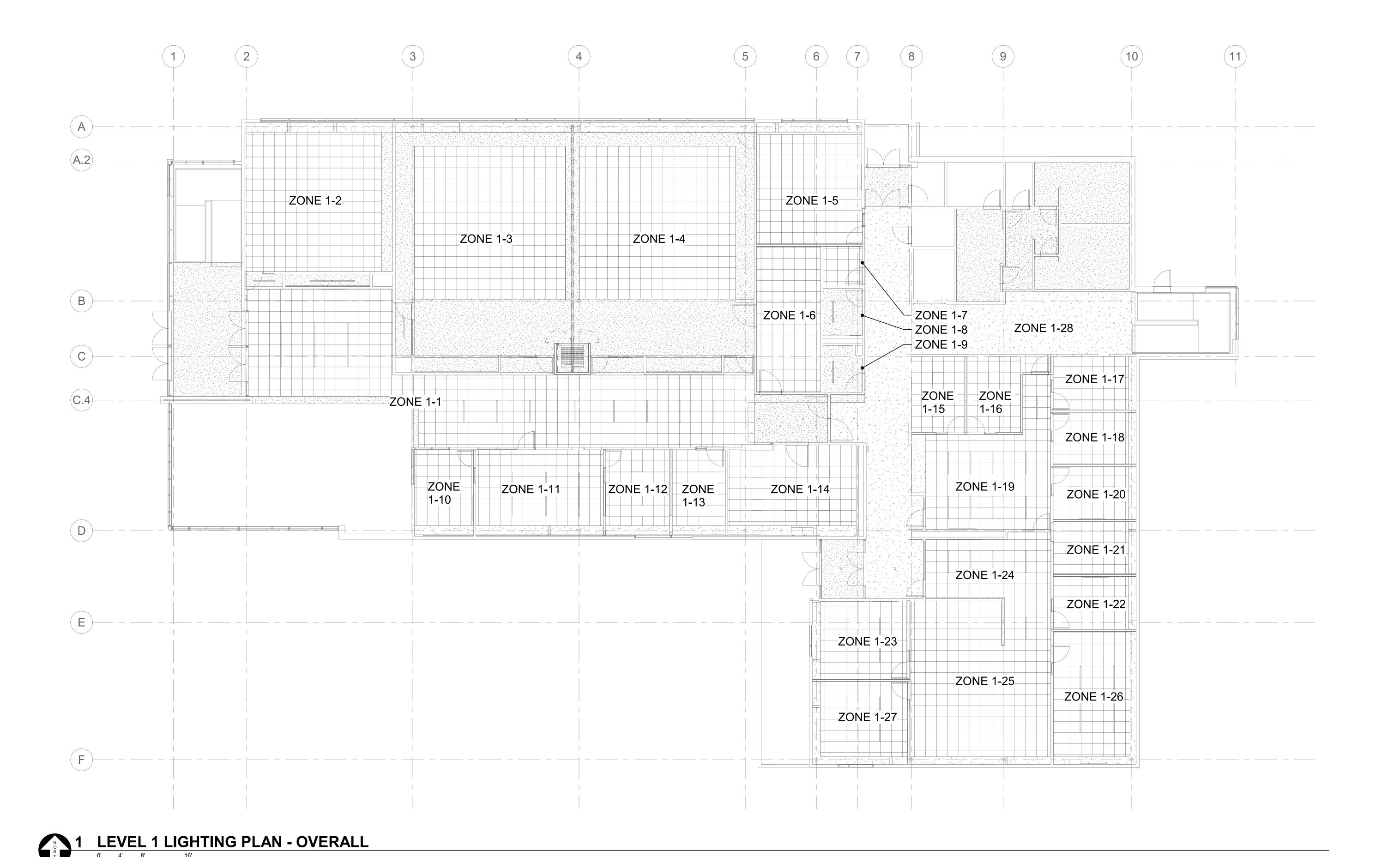
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Sheet Title

LEVEL 1 -**POWER PLAN** 

E3.01



1/8" = 1'-0"

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Sheet Title
LEVEL 1 LIGHTING
ZONING PLAN

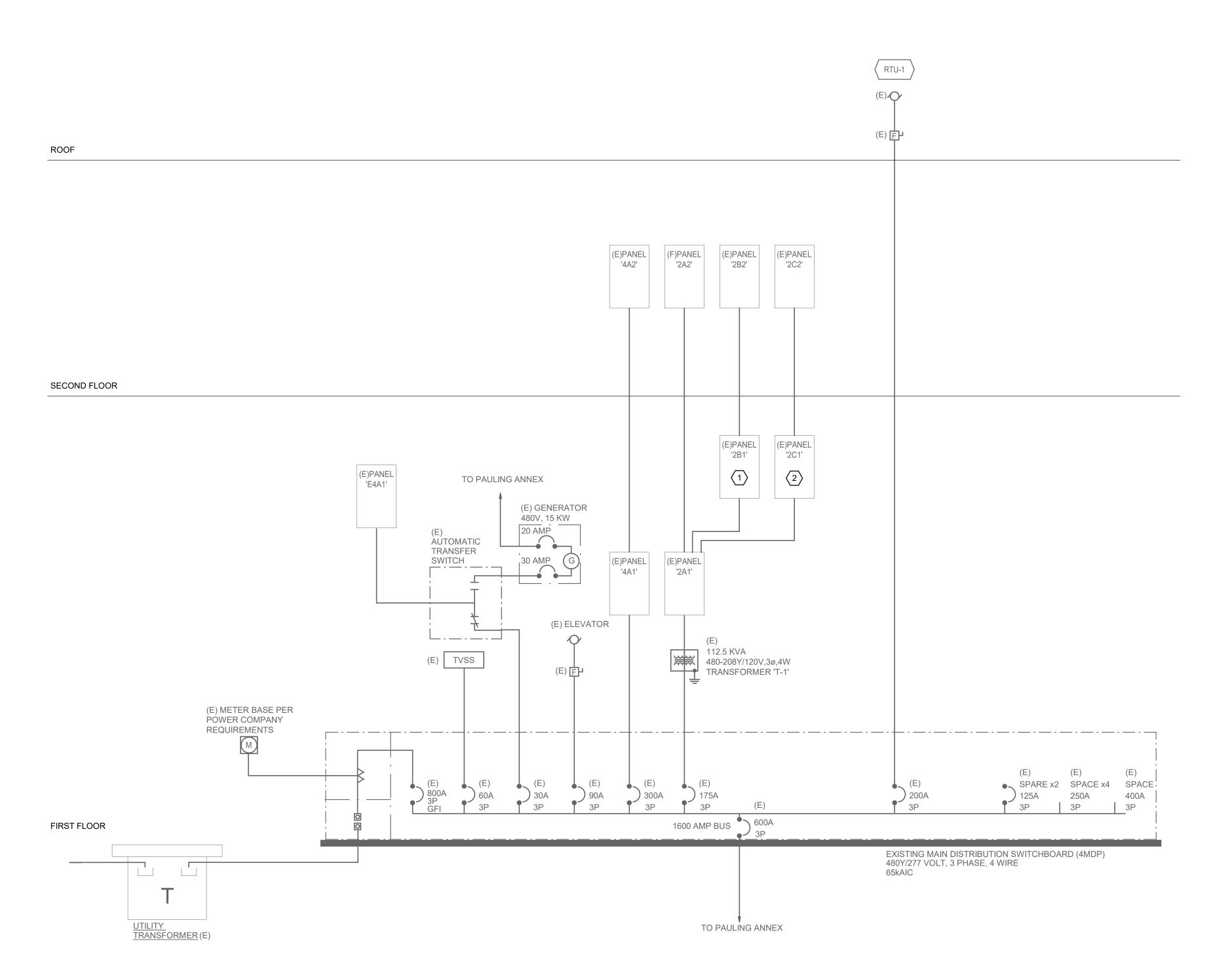
E4.01

#### ○ SHEET KEYNOTES

- 1. EXISTING PANEL '2B1' TO BE RELOCATED.
  DISCONNECT EXISTING FEEDER SERVING PANEL,
  INTERCEPT AND EXTEND TO NEW LOCATION
  SHOWN ON SHEET E3.01. DISCONNECT EXISTING
  FEEDER FROM '2B1' TO PANEL '2B2'. INTERCEPT AND
  EXTEND TO NEW LOCATION OF PANEL '2B1'.
  RETERMINATE RESPECTIVE FEEDERS AT PANEL.
- 2. EXISTING PANEL '2C1' TO BE RELOCATED.
  DISCONNECT EXISTING FEEDER SERVING PANEL,
  INTERCEPT AND EXTEND TO NEW LOCATION
  SHOWN ON SHEET E3.01. DISCONNECT EXISTING
  FEEDER FROM '2C1' TO PANEL '2C2'. INTERCEPT AND
  EXTEND TO NEW LOCATION OF PANEL '2C1'.
  RETERMINATE RESPECTIVE FEEDERS AT PANEL.

#### **PHASING LEGEND:**

EXISTING:



## ONE-LINE POWER DISTRIBUTION DIAGRAM

NO SCALE

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CONTACT Alex Magee

100 SW Main Street, Suite 1600
Portland, OR 97204

TEL 503.382.2266

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Sheet Title
SINGLE LINE
DIAGRAM

DIAGRAM -ELECTRICAL

**E5.01** 

Job No. **4793-01** 

	ME	CHANICAI	L EQ	UIF	PMENT	ГС	ONI	NEC	CTIO	N SCH	<b>IEDUL</b>	.E	
SYMBOL	DESCRIPTION	LOCATION	VOLTS	PH	LOAD(VA)	HP	FLA	MCA	МОСР	WIRE / CONDUIT	BREAKER SIZE	CIRCUIT NUMBER	NOTES
EF-2	EXHAUST FAN	ROOF	120	1	528.0	0.123	0.0	-	15	202	15-1P	2A1-25	
TP-1	TRAP PRIMER	STAFF ROOM	120	1	240.0	-		2.5	15	202	15-1P	2C1-34	
TP-2	TRAP PRIMER	RESTROOM 116	120	1	240.0	-		2.5	15	202	15-1P	2B1-8	
VAV-1	TERMINAL UNIT	LARGE MEETING ROOM	480	3	6984.0	-	8.4	11.5	15	203	15-3P	4A1-13,15,17	1
VAV-2	TERMINAL UNIT	LARGE MEETING ROOM	480	3	3492.0	-	4.2	5.7	15	203	15-3P	4A1-19,21,23	1
VAV-3	TERMINAL UNIT	BOARD ROOM	480	3	3492.0	-	4.2	5.7	15	203	15-3P	4A1-25,27,29	1
VAV-4	TERMINAL UNIT	MEETING ROOM	480	3	2993.0	-	3.6	4.9	15	203	15-3P	4A1-31,33,35	1
VAV-5	TERMINAL UNIT	STAFF ROOM	480	3	2993.0	-	3.6	4.9	15	203	15-3P	4A1-37,39,41	1
VAV-6	TERMINAL UNIT	LOBBY	480	3	3991.0	-	4.8	6.6	15	203	15-3P	4A1-22,24,26	1
VAV-7	TERMINAL UNIT	LOBBY	480	3	1496.0	-	1.8	2.5	15	203	15-3P	4A1-28,30,32	1
VAV-8	TERMINAL UNIT	LOBBY	480	3	1496.0	-	1.8	2.5	15	203	15-3P	4A1-34,36,38	1

#### GENERAL MECHANICAL EQUIPMENT CONNECTION NOTE:

A. THE ABOVE INFORMATION IS FOR A SPECIFIC MANUFACTURER. ACTUAL MANUFACTURER FOR EQUIPMENT MAY BE DIFFERENT. COORDINATE WITH MECHANICAL EQUIPMENT SUBMITTALS FOR LOADS AND OVER CURRENT PROTECTION REQUIREMENTS PRIOR TO INSTALLATION OF WIRING.

#### B. MOCP = MAXIMUM OVER CURRENT PROTECTION. MCA = MINIMUM CIRCUIT AMPACITY

C. PROVIDE DISCONNECTING MEANS FOR EACH ITEM OF EQUIPMENT LISTED IN THE SCHEDULE ABOVE, EXCEPT AS SPECIFICALLY NOTED OTHERWISE IN SCHEDULE NOTES, BELOW.

#### MECHANICAL EQUIPMENT CONNECTION SCHEDULE NOTES

1. PROVIDE DISCONNECT FOR VAV TERMINAL UNIT IF INTERNAL DISCONNECT IS NOT PROVIDED. SEE MECHANICAL DRAWINGS FOR TERMINAL UNIT INFORMATION.

WIRE/CONDUIT SCHEDULE

202 2 #12 CU, 1 #12 CU GND., IN 3/4" C.

203 3 #12 CU, 1 #12 CU GND., IN 3/4" C.

	MAIN LUG ONLY BUS AMPACITY: 400 A EQUIPMENT RATING: 480/27	77 V 2DU <i>1</i>	ı WIDE	:					ı	ENCLO	NTING: SURE: ATION:	TYPE	1	I POC		essories:	
	AIC RATING: 480/27		F VVIIXL	•					SUP		FROM:						
								Load	(VA)								
СКТ	Description/Location	Type	C.B.	Pole	Note	A	В	С	A	В	С	Note	Pole	C.B.	Type	Description/Location	CI
1 3	(N) N. LEVEL ONE LIGHTING (E) L-RM 125-131	Other; L	20 A 20 A	1	1	2,147	684		2,655	2,360			1	20 A 20 A		(E) SITE LIGHTING (E) SITE LIGHTING	2
5	(N) S. LEVEL ONE LIGHTING	Other; L	20 A	1	1		004	2,040		2,000	1,475		1	20 A		(E) SITE LIGHTING	6
7	(N) LVRP		20 A	1		600			0				1	20 A		(E) SPARE BREAKER	8
9	(E) VAV		20 A	1			0	0		10,167			3	60 A		(E) TERMINAL UNITS	1
13	(E) VAV (N) VAV-1	 Motor	20 A 15 A	3	2	2,328		0	10,167		10,167						1
15						2,020	2,328		10,107	6,167			3	60 A		(E) TERMINAL UNITS	1
17							•	2,328			6,167						1
19	(N) VAV-2	Motor	15 A	3	2	1,164			6,167								2
21 23							1,164	1,164		1,330	1,330	2	3	15 A	Motor	(N) VAV-6	2
25	 (N) VAV-3	 Motor	15 A	3	2	1,164		1,104	1,330		1,330						2
27						1,101	1,164		1,000	499		2	3	15 A	Motor	(N) VAV-7	2
29							,	1,164			499						3
31	(N) VAV-4	Motor	15 A	3	2	998			499								3
33							998	000		499	400	2	3	15 A	Motor	(N) VAV-8	3
35 37	 (N) VAV-5	 Motor	15 A	3	2	998		998	499		499						3
39 41	 		 			990	998	998	433	0	0		1	20 A		(E) SPARE BREAKER (E) SPARE BREAKER	4
41	Total Connected load Ph. A					226 A			anel Co	nnocto	_	170.6	•	20 A		216.0 A	4
. Prov	: vide new load on existing breaker. vide new breaker as shown. Match	n existing ma	anufac	turer an	d AIC	216 A rating.			, otal	Deman	d Load:	102.4	KVA			219.4 A	
1. Prov 2. Prov Load <sup>-</sup> Moto	vide new load on existing breaker. vide new breaker as shown. Match  Type Definitions: or (125% largest Motor + 100% rer	n existing ma	tors)	K = Kit	chen	rating.	-		Γable 22	20.56)	C = Co	ontinuo	us Loa			X = X-Rays (Demand per NEC 6	660.6)
1. Prov 2. Prov Load • Moto R = Re	vide new load on existing breaker. vide new breaker as shown. Match  Type Definitions: or (125% largest Motor + 100% rereceptacles (to 10kVA100%, over 1	maining mot 0 kVA 50%	tors)	K = Kit G = Ge	chen eneral	rating. (Demar Load (N	lon-cor	ntinuous	Гаble 22 s) (100%	20.56)	C = Co L = Lig	ntinuoi hting (1	us Loa 125%)		r (125%)		660.6)
. Prov 2. Prov <b>. oad</b> - Moto R = Re E = Ex	vide new load on existing breaker. vide new breaker as shown. Match  Type Definitions: or (125% largest Motor + 100% rereceptacles (to 10kVA100%, over 1 tisting Load 30-day metered (125%)	maining mot 0 kVA 50%	tors)	K = Kit G = Ge EL = E	chen eneral	rating. (Demar Load (I	Non-cor and as	ntinuous	Гable 22 э) (100% С Table	20.56) ) 620.14)	C = Co L = Lig )	ntinuoi hting (1	us Loa 125%)		r (125%)	X = X-Rays (Demand per NEC 6 H = Heating (100%)	660.6)
I. Prov 2. Prov <b>Load</b> - Moto R = Re E = Ex	ride new load on existing breaker.  vide new breaker as shown. Match  Type Definitions:  or (125% largest Motor + 100% rereceptacles (to 10kVA100%, over 1 disting Load 30-day metered (125% Load Type Connec	maining mot 0 kVA 50%	tors)	K = Kit G = Ge EL = E	chen eneral elevato	rating. (Demar Load (N	Non-cor and as	ntinuous	Γable 22 3) (100% C Table <b>NEC D</b>	20.56)	C = Co L = Lig )	ntinuoi hting (1	us Loa 125%)		r (125%)	X = X-Rays (Demand per NEC 6	660.6)
I. Prov 2. Prov -oad - Moto R = Re E = Ex	Type Definitions: or (125% largest Motor + 100% rereceptacles (to 10kVA100%, over 1 disting Load 30-day metered (125% largest Motor + 100% over 1 disting Load 30-day metered (125% largest Motor + 100% over 1 disting Load 30-day metered (125% load Type Connec 418	maining mot 0 kVA 50% 6)	tors)	K = Kit G = Ge EL = E	cchen ceneral ilevator ilevato	(Demar Load (I or (Dem mand F 25.00%	Non-cor and as	ntinuous	Гаble 22 s) (100% С Таble <b>NEC D</b>	20.56) ) 620.14)	C = Co L = Lig ) I Load	ntinuoi hting (1	us Loa 125%)	Heate		X = X-Rays (Demand per NEC 6 H = Heating (100%)	660.6)
1. Prov 2. Prov Load T Moto R = Re E = Ex L Motor	ride new load on existing breaker.  ride new breaker as shown. Match  Type Definitions:  or (125% largest Motor + 100% rereceptacles (to 10kVA100%, over 1 tisting Load 30-day metered (125% coad Type Connec 418 269	maining mot 0 kVA 50% 6) sted Load 87.4 937.0	tors)	K = Kit G = Ge EL = E	cchen ceneral Elevato EC Dec 12	(Demar Load (I or (Dem. mand F 25.00% 06.48%	Non-cor and as	ntinuous	Γable 22 3) (100% C Table <b>NEC D</b>	20.56) 0) 620.14) <b>Demand</b> 5234.3 28683.0 0.0	C = Co L = Lig ) I Load	ntinuoi hting (1	us Loa 125%) Water	Heate	al Connec	X = X-Rays (Demand per NEC 6 H = Heating (100%)  Panel Totals  Eted Load: 179600.4 VA  Demand: 182393.3 VA	660.6)
1. Prov 2. Prov Load Moto R = Re E = Ex L Motor Other	ride new load on existing breaker.  ride new breaker as shown. Match  Type Definitions:  or (125% largest Motor + 100% rereceptacles (to 10kVA100%, over 1 tisting Load 30-day metered (125% coad Type Connec 418 269	maining mot 0 kVA 50% 6) ted Load 87.4	tors)	K = Kit G = Ge EL = E	cchen ceneral Elevato EC Dec 12	(Demar Load (I or (Dem mand F 25.00%	Non-cor and as	ntinuous	Γable 22 3) (100% C Table <b>NEC D</b>	20.56) ) 620.14) Demand 5234.3	C = Co L = Lig ) I Load	ntinuoi hting (1	us Loa 125%) Water	Total C	al Connector	X = X-Rays (Demand per NEC 6 H = Heating (100%)  Panel Totals  sted Load: 179600.4 VA	660.6)
2. Prov L <b>oad</b> - Moto R = Re E = Ex	ride new load on existing breaker.  ride new breaker as shown. Match  Type Definitions:  or (125% largest Motor + 100% rereceptacles (to 10kVA100%, over 1 tisting Load 30-day metered (125% coad Type Connec 418 269	maining mot 0 kVA 50% 6) sted Load 87.4 937.0	tors)	K = Kit G = Ge EL = E NE	cchen ceneral Elevato EC Dec 12 10 (	(Demand F 25.00%) 00.00%	Non-cor and as actor	ntinuous	Table 22 s) (100% C Table NEC D	20.56) 620.14) <b>Jemand</b> 5234.3 28683.0 0.0 48476.0	C = Co L = Lig ) I Load	entinuoi hting (* W =	us Loa 125%) Water	Total C	al Connector	X = X-Rays (Demand per NEC 6 H = Heating (100%)  Panel Totals  Eted Load: 179600.4 VA E Demand: 182393.3 VA Ed Current: 216.0 A	660.6)
1. Prov 2. Prov Load T Moto R = Re E = Ex L Motor	ride new load on existing breaker.  ride new breaker as shown. Match  Type Definitions:  or (125% largest Motor + 100% rereceptacles (to 10kVA100%, over 1 tisting Load 30-day metered (125% coad Type Connec 418 269	maining mot 0 kVA 50% 6) sted Load 87.4 937.0	tors)	K = Kit G = Ge EL = E NE	cchen eneral Elevato CC De 12 10 10 10 AT E.	(Demar Load (I or (Dem mand F 25.00% 00.00% 00.00%	SU S 480/2	JM	Γable 22 3) (100% C Table <b>NEC D</b>	20.56) 620.14) 620.14) 620.14) 6234.3 28683.0 0.0 48476.0	C = Co L = Lig ) I Load	ontinuor hting (* W =	us Loa 125%) Water	Total C	al Connector	X = X-Rays (Demand per NEC 6 H = Heating (100%)  Panel Totals  Eted Load: 179600.4 VA E Demand: 182393.3 VA Ed Current: 216.0 A	660.6)
Load Motor E = Ex  Motor  Other	ride new load on existing breaker.  ride new breaker as shown. Match  Type Definitions:  or (125% largest Motor + 100% rereceptacles (to 10kVA100%, over 1 tisting Load 30-day metered (125% coad Type Connec 418 269	maining mot 0 kVA 50% 6) sted Load 87.4 937.0	tors)	K = Kit G = Ge EL = E NE	cchen eneral Elevato CC De 12 10 10 10 AT E.	(Demar Load (I or (Dem mand F 25.00% 00.00% 00.00%	SU G 480/2	JM	Table 22 1) (100% C Table NEC D	20.56) 620.14) 620.14) 620.14) 620.14) 620.14) 6234.3 628683.0 6.0 48476.0	C = Co L = Lig ) I Load	ontinuoi hting (* W = W = '4A1' OATED	us Loa 125%) Water	Total C	al Connec Total NEC Connected C Demand	X = X-Rays (Demand per NEC 6 H = Heating (100%)  Panel Totals  Eted Load: 179600.4 VA Demand: 182393.3 VA d Current: 216.0 A d Current: 219.4 A	660.6)
Load Motor  Motor  Motor  Motor	ride new load on existing breaker.  ride new breaker as shown. Match  Type Definitions:  or (125% largest Motor + 100% rereceptacles (to 10kVA100%, over 1 tisting Load 30-day metered (125% coad Type Connec 418 269	maining mot 0 kVA 50% 6) sted Load 87.4 937.0	tors)	K = Kit G = Ge EL = E NE	cchen eneral Elevato CC De 12 10 10 10 AT E.	(Demar Load (I or (Dem mand F 25.00% 00.00% 00.00%	SU G 480/2 KEN FI	JM 277V, 40	Table 22 b) (100% C Table NEC D 1	20.56) ) 620.14) Pemand 5234.3 28683.0 0.0 48476.0	C = Co L = Lig ) I Load ) 0 0 BOARD /INGS D	hting (* W =  4A1' DATED	us Loa 125%) Water	Total C	al Connec Total NEC Connected C Demand	X = X-Rays (Demand per NEC 6 H = Heating (100%)  Panel Totals  Ited Load: 179600.4 VA Demand: 182393.3 VA d Current: 216.0 A d Current: 219.4 A	660.6)
. Prov 2. Prov . Oad T Motor E = Ex L . Motor	ride new load on existing breaker.  ride new breaker as shown. Match  Type Definitions:  or (125% largest Motor + 100% rereceptacles (to 10kVA100%, over 1 tisting Load 30-day metered (125% coad Type Connec 418 269	maining mot 0 kVA 50% 6) sted Load 87.4 937.0	tors)	K = Kit G = Ge EL = E NE	cchen eneral Elevato CC De 12 10 10 10 AT E.	(Demar Load (I or (Dem mand F 25.00% 00.00% 00.00%	SU G 480/2 KEN FI	JM  277V, 40 ROM AS	Table 22 c) (100% C Table NEC D 2 1	20.56) ) 620.14) Pemand 5234.3 28683.0 0.0 48476.0	C = Co L = Lig ) I Load ) O BOARD /INGS D STING	hting (*W = VAA1' DATED	us Loa 125%) Water	Total C	al Connec Total NEC Connected C Demand	X = X-Rays (Demand per NEC 6 H = Heating (100%)  Panel Totals  Ited Load: 179600.4 VA Demand: 182393.3 VA d Current: 216.0 A d Current: 219.4 A	660.6)
Load Motor  Motor  Motor  Motor	ride new load on existing breaker.  ride new breaker as shown. Match  Type Definitions:  or (125% largest Motor + 100% rereceptacles (to 10kVA100%, over 1 tisting Load 30-day metered (125% coad Type Connec 418 269	maining mot 0 kVA 50% 6) sted Load 87.4 937.0	tors)	K = Kit G = Ge EL = E NE	cchen eneral Elevato CC De 12 10 10 10 AT E.	(Demar Load (I or (Dem mand F 25.00% 00.00% 00.00%	SU G 480/2 KEN FI	JM 277V, 40 ROM AS	Table 22 i) (100% C Table NEC D  2 1	20.56) 620.14)	C = Co L = Lig ) I Load 0 0 0 BOARD /INGS D STING	hting ('W = '4A1')ATED LOAD: MAX):	us Loa 125%) Water	Total C	al Connected Con	X = X-Rays (Demand per NEC 6 H = Heating (100%)  Panel Totals  Ited Load: 179600.4 VA Demand: 182393.3 VA d Current: 216.0 A d Current: 219.4 A	660.6)
Load Motor  Motor  Motor  Motor	ride new load on existing breaker.  ride new breaker as shown. Match  Type Definitions:  or (125% largest Motor + 100% rereceptacles (to 10kVA100%, over 1 tisting Load 30-day metered (125% coad Type Connec 418 269	maining mot 0 kVA 50% 6) sted Load 87.4 937.0	tors)	K = Kit G = Ge EL = E NE	cchen eneral Elevato CC De 12 10 10 10 AT E.	(Demar Load (I or (Dem mand F 25.00% 00.00% 00.00%	SU G 480/2 KEN FI	JM 277V, 40 ROM AS	Table 22 c) (100% C Table NEC D 2 1	20.56) 620.14)	C = Co L = Lig ) I Load ) O BOARD /INGS D STING TY(80%	thting (*W = *AA1' DATED** LOAD: MAX):	us Loa 125%) Water	Total C	al Connected Con	X = X-Rays (Demand per NEC 6 H = Heating (100%)  Panel Totals  Ited Load: 179600.4 VA Demand: 182393.3 VA Current: 216.0 A Current: 219.4 A	660.6)
Load Moto R = Re E = Ex Motor Other	ride new load on existing breaker.  ride new breaker as shown. Match  Type Definitions:  or (125% largest Motor + 100% rereceptacles (to 10kVA100%, over 1 tisting Load 30-day metered (125% coad Type Connec 418 269	maining mot 0 kVA 50% 6) sted Load 87.4 937.0	tors)	K = Kit G = Ge EL = E NE	cchen eneral Elevato CC De 12 10 10 10 AT E.	(Demar Load (I or (Dem mand F 25.00% 00.00% 00.00%	SU G 480/2 KEN FI	JM 277V, 40 ROM AS	Table 22 i) (100% C Table NEC D  2 1	20.56) 620.14)	C = Co L = Lig ) I Load 0 0 0 BOARD /INGS D STING	thting (*W = *AA1' DATED** LOAD: MAX):	us Loa 125%) Water	Total C	al Connected Con	X = X-Rays (Demand per NEC 6 H = Heating (100%)  Panel Totals  Ited Load: 179600.4 VA Demand: 182393.3 VA d Current: 216.0 A d Current: 219.4 A	660.6)
1. Prov 2. Prov Load T Moto R = Re E = Ex L Motor	ride new load on existing breaker.  ride new breaker as shown. Match  Type Definitions:  or (125% largest Motor + 100% rereceptacles (to 10kVA100%, over 1 tisting Load 30-day metered (125% coad Type Connec 418 269	maining mot 0 kVA 50% 6) sted Load 87.4 937.0	tors)	K = Kit G = Ge EL = E NE	cchen eneral Elevato CC De 12 10 10 10 AT E.	(Demar Load (I or (Dem mand F 25.00% 00.00% 00.00%	SU G 480/2 KEN FI	JM 277V, 40 ROM AS	Table 22 b) (100% C Table NEC D  A  1  OAMP F S-BUILT  PARE CA  TIMATE	20.56) ) 620.14) Pemand 5234.3 28683.0 0.0 48476.0  EXI APACIT ATED A ED REM	C = Co L = Lig  I Load  O  BOARD  INGS D  STING  TY(80%  ADDED  NET T	hting (*W = *AA1' DATED LOAD: MAX): LOAD:	us Loa 125%) Water	Total C	al Connected Connected Connected	X = X-Rays (Demand per NEC 6 H = Heating (100%)  Panel Totals  Ited Load: 179600.4 VA Demand: 182393.3 VA Current: 216.0 A Current: 219.4 A	660.6)

	MAIN CIRCUIT BREAKER 400 A BUS AMPACITY: 400 A EQUIPMENT RATING: 120/208 V, 3 AIC RATING: EXISTING	PH, 4 \	WIRE							ENCLO	ATION:	TYPE	1		ОМ	Accessories:		
								Load	(VA)			]						
						Α	В	С	A	В	С							
СКТ	Description/Location	Туре	C.B.	Pole	Note		В		^		C	Note	Pole	C.B.	Туре	Desc	ription/Location	СК
1	(E) TVSS		60 A	3		1,080			750				1	20 A			EATERS, LIGHTS, GEN	2
3							1,440			100			1	20 A		(E) BATT. CI	HARGER, GEN HEATER	4
5								1,440			180		1	20 A		. ,	GFI LIGHT TIMECLOCK	6
7	(E) CAR CHARGER		40 A	2		0			0				2	40 A		(E) (	CAR CHARGER	8
9 11	 (N) R - OFFICE 133	 R	20 A	1	1		0	900		0	0		1	20 A		/E) S	MOKE CURTAIN	10
	(N) BLACKOUT SHADE CONTROLLER		20 A	1	1	100		900	0		U		1	20 A			OUTSIDE OUTLETS	14
15	(N) BOARD ROOM DISPLAY	G	20 A	1	1	100	600		U	0			1	20 A		. ,	ROOM OUTLETS	16
17	(N) R - OFFICE 134	R	20 A	1	1			1,080			0		1	20 A		. ,	ROOM OUTLETS	18
19	(N) R - STORAGE	R	20 A	1	1	360		,,,,,,	0				1	20 A		. ,	ROOM OUTLETS	20
21	(N) R - OFFICE 163	R	20 A	1	1		720			0			1	20 A		. ,	ISFORMER C.T. CAN	22
23	(N) R - MEETING ROOM	R	20 A	1	1			1,080			0		1	20 A		. ,	PRINKLER CONT.	24
25	(N) EXHAUST FAN	Motor	15 A	1	1	528			0				1	20 A		(E) ELEVAT	OR FAN 2 CAB LIGHTS	26
27	(E) DOOR OPENERS EAST		20 A	1			1,600			180			1	20 A		. ,	ELEVATOR MACH. RM	28
29	(E) RACK RECPT IT ROOM		20 A	1				500			180		1	20 A		<u> </u>	OR PITS LIGHTS & GFI	30
31	(E) RACK IT ROOM		20 A	1		500			180				1	20 A		(E) SU	JMP PUMP-ELEV.	32
33	(E) SECURITY PANEL		20 A	1			0			0			2	15 A			(E) AHU-1	34
35	(E) FA PANEL		20 A	1				0			0							36
37	(E) PANEL 2B1 & 2B2		225 A			13,680			15,240				3	225 A		(E) P.	ANEL 2C1 & 2C2	38
39							12,000			16,200	45.040							40
41	Total Connected load Ph. A					270 A		11,640		nnecte	15,240					270.6 A		42
Mc	Type Definitions: otor (125% largest Motor + 100% remaining	-	ors)			n (Dema	-	oer NEC	Table									
	Receptacles (to 10kVA100%, over 10 kVA	50%)				al Load	(Non-co								5%)		Demand per NEC 660.6)	
	Existing Load 30-day metered (125%)  Load Type Connected Lo				4 /	D = =	•	ontinuou	ıs) (100	)%)	L = Lig	ıhting (	125%	(a)	•	X = X-Rays (D H = Heating (1		
Motor		Jau	$\overline{}$			Demand F	as per		ıs) (100 able 62	0%) 0.14)	L = Lig W = W	ıhting (	125%	(a)	•	H = Heating (	100%)	
violoi	320.0				EC De	mand F	as per		ıs) (100 able 62	0%) 0.14) Demand	L = Lig W = W	ıhting (	125%	(a)	•		100%)	
2	700.0				EC De	<b>mand F</b> 25.00%	as per		ıs) (100 able 62	0.14) Demand 660.0	L = Lig W = W	ıhting (	125%	(125%	)	H = Heating (	Totals	
G R	700.0 4140.0				EC De 12 10	mand F 25.00% 00.00%	as per		us) (100 able 62 <b>NEC C</b>	0%) 0.14) <b>Demand</b> 660.0 700.0	L = Lig W = W	ıhting (	125%	(125%	otal Co	H = Heating (	Totals : 97498.0 VA	
₹	4140.0				12 10 10	mand F 25.00% 00.00% 00.00%	as per		us) (100 able 62 <b>NEC D</b>	0%) 0.14) <b>Demand</b> 660.0 700.0 4140.0	L = Lig W = W <b>Load</b>	ıhting (	125%	(125%) To	otal Co	H = Heating (**  Panel T  nnected Load  NEC Demand	Totals : 97498.0 VA : 97630.0 VA	
₹	4140.0				12 10 10	mand F 25.00% 00.00%	as per		us) (100 able 62 <b>NEC D</b>	0%) 0.14) <b>Demand</b> 660.0 700.0	L = Lig W = W <b>Load</b>	ıhting (	125% eater	(125%) Total	otal Co Total	H = Heating (	Totals : 97498.0 VA : 97630.0 VA : 270.6 A	
₹	4140.0				12 10 10	mand F 25.00% 00.00% 00.00%	as per		us) (100 able 62 <b>NEC D</b>	0%) 0.14) <b>Demand</b> 660.0 700.0 4140.0	L = Lig W = W <b>Load</b>	ıhting (	125% eater	(125%) Total	otal Co Total	Panel T  nnected Load NEC Demand ected Current	Totals : 97498.0 VA : 97630.0 VA : 270.6 A	
?	4140.0				12 10 10	mand F 25.00% 00.00% 00.00%	as per		us) (100 able 62 <b>NEC D</b>	0%) 0.14) <b>Demand</b> 660.0 700.0 4140.0	L = Lig W = W <b>Load</b>	ıhting (	125% eater	(125%) Total	otal Co Total	Panel T  nnected Load NEC Demand ected Current	Totals : 97498.0 VA : 97630.0 VA : 270.6 A	
2	4140.0			NI	12 10 10 10	mand F 25.00% 00.00% 00.00% 00.00%	d as per Factor	NEC Ta	us) (100 able 62 <b>NEC C</b>	9%) 0.14) <b>Demand</b> 660.0 700.0 4140.0 92130.0	L = Lig W = W Load	yhting (	125% eater	(125%) Total	otal Co Total	Panel T  nnected Load NEC Demand ected Current	Totals : 97498.0 VA : 97630.0 VA : 270.6 A	
?	4140.0			NI	12 10 10 10	mand F 25.00% 00.00% 00.00%	d as per Factor	NEC Ta	us) (100 able 62 <b>NEC C</b>	9%) 0.14) <b>Demand</b> 660.0 700.0 4140.0 92130.0	L = Lig W = W Load	yhting (	125% eater	(125%) Total	otal Co Total	Panel T  nnected Load NEC Demand ected Current	Totals : 97498.0 VA : 97630.0 VA : 270.6 A	
?	4140.0			L_	12 10 10 10	mand F 25.00% 00.00% 00.00% 00.00%	SL G 208/1	JM 20V, 40	NEC D	0.14) Demand 660.0 700.0 4140.0 92130.0	L = Lig W = W Load	2/A	125% eater	Total N	otal Co Total	Panel T  nnected Load NEC Demand ected Current	Totals : 97498.0 VA : 97630.0 VA : 270.6 A	
₹	4140.0			L_	12 10 10 10	mand F 25.00% 00.00% 00.00% 00.00%	SL G 208/1	JM 20V, 40	NEC D	0.14) Demand 660.0 700.0 4140.0 92130.0	L = Lig W = W Load	2/A	125% eater	Total N	otal Co Total	Panel T  nnected Load NEC Demand ected Current	Totals : 97498.0 VA : 97630.0 VA : 270.6 A	
₹	4140.0			L_	12 10 10 10	mand F 25.00% 00.00% 00.00% 00.00%	SU G 208/1	JM 20V, 40 ROM AS	NEC D	0.14) 0.14) 0.14) 0emand 660.0 700.0 4140.0 92130.0 PANELED DRAW	L = Lig W = W Load	2/ 2/ 0 '2A1' DATED	125% eater	Total N	otal Co Total	Panel Tonnected Load NEC Demand ected Current mand Current	Totals : 97498.0 VA : 97630.0 VA : 270.6 A	
₹	4140.0			L_	12 10 10 10	mand F 25.00% 00.00% 00.00% 00.00%	SU G 208/1	JM 20V, 40	NEC D	0.14) 0.14) 0.14) 0emand 660.0 700.0 4140.0 92130.0 PANELED DRAW	L = Lig W = W Load	2/ 2/ 0 '2A1' DATED	125% eater	Total N	otal Co Total	Panel T  nnected Load NEC Demand ected Current mand Current	Totals : 97498.0 VA : 97630.0 VA : 270.6 A	
₹	4140.0			L_	12 10 10 10	mand F 25.00% 00.00% 00.00% 00.00%	SU G 208/1	JMI 20V, 40 ROM AS	NEC D  OAMP    OAMP    PARE C	0.14) 0.14)	L = Lig W = W Load BOARD INGS I	2/ DATED LOAD	125% eater	Total N	otal Co Total	Panel Tonnected Load NEC Demand ected Current mand Current 199.3 KVA 44.8 KVA 5.4 KVA	Totals : 97498.0 VA : 97630.0 VA : 270.6 A	
G R Spare	4140.0			L_	12 10 10 10	mand F 25.00% 00.00% 00.00% 00.00%	SU G 208/1	JMI 20V, 40 ROM AS	NEC D  OAMP    OAMP    PARE C	0.14) 0.14)	L = Lig W = W Load BOARD INGS I	2/A  2/A  1/2A1' DATED  LOAD  MAX)  LOAD	125% eater	Total N	otal Co Total	Panel Tonnected Load NEC Demand ected Current mand Current MARC MARC MARC MARC MARC MARC MARC MARC	Totals : 97498.0 VA : 97630.0 VA : 270.6 A	
₹	4140.0			L_	12 10 10 10	mand F 25.00% 00.00% 00.00% 00.00%	SU G 208/1	JMI 20V, 40 ROM AS	NEC D  OAMP    OAMP    PARE C	0.14) 0.14)	L = Lig W = W Load BOARD INGS I	2/A  2/A  1/2A1' DATED  LOAD  MAX)  LOAD	125% eater	Total N	otal Co Total	Panel Tonnected Load NEC Demand ected Current mand Current 199.3 KVA 44.8 KVA 5.4 KVA	Totals : 97498.0 VA : 97630.0 VA : 270.6 A	
₹	4140.0			L_	12 10 10 10	mand F 25.00% 00.00% 00.00% 00.00%	SU G 208/1	JM 20V, 40 ROM AS	NEC D  OAMP OAMP OB-BUILT  PARE C  ESTIMATE	0.14) 0.14)	W = W Load  BOARD INGS I  STING Y(80% DDED OVED NET 1  MAND	2/A  2/A  0 '2A1'  DATED  LOAD  LOAD  LOAD  TOTAL	125% eater	Total N	otal Co Total	Panel Tonnected Load NEC Demand ected Current mand Current MARC S.4 KVA 44.8 KVA 5.4 KVA 7.1 KVA -1.7 KVA 97.6 KVA	Totals : 97498.0 VA : 97630.0 VA : 270.6 A	
₹	4140.0			L_	12 10 10 10	mand F 25.00% 00.00% 00.00% 00.00%	SU G 208/1	JMI 20V, 40 ROM AS	MA  NEC D  SARE C  PARE C  PARE C  TIMATE	0.14) 0.14)	L = Lig W = W Load  BOARD INGS I STING TY(80%  DDED IOVED NET 1  MAND E CAP	2A  1/2A1' DATED  LOAD LOAD TOTAL  LOAD ACITY	125% leater	Total N	otal Co Total	Panel Tonnected Load NEC Demand ected Current mand Current MARC SALVA SA	Totals : 97498.0 VA : 97630.0 VA : 270.6 A : 271.0 A	

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Project Owner: CLACKAMAS COMMUNITY COLLEGE

Project Name: **CCC Rook TI** 

Project Adress: 19600 Molalla Avenue Oregon City, OR, 97045 Key Plan

INTERFACE ENGINEERING

**PROJECT** 2021-0057 CONTACT Alex Magee 100 SW Main Street, Suite 1600 Portland, OR 97204 TEL 503.382.2266 www.interfaceengineering.com

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No. Revision

BID SET

Date: 11
Sheet Title
SCHEDULES ELECTRICAL 11/15/2021

E6.01

**PANELBOARD:** 2B1 MAIN LUG ONLY MOUNTING: RECESSED Accessories: **BUS AMPACITY: 250 A ENCLOSURE**: TYPE 1 EQUIPMENT RATING: 120/208 V, 3PH, 4 WIRE **LOCATION:** CLASSROOM 110 SUPPLIED FROM: PANEL '2A1' AIC RATING: EXISTING Type C.B. Pole Note Note Pole C.B. Type **Description/Location** Description/Location (N) R - CLASSROOM COUNTER 1 1 20 A R (N) R - LG MEETING ROOM COUNTER 2 R 20 A 1 1 180 (N) CLASSROOM PROJECTOR G 20 A 1 1 1 1 20 A C (N) R - LOBBY DISPLAY (N) R - LARGE MEETING ROOM 1,000 2 1 15 A Motor (N) BOARD RM MOTORIZED SCREENS 6 R 20 A 1 1 (N) R - BOARD ROOM COUNTER R 20 A 1 1 180 1 20 A R; G (N) R - MOTHERS ROOM, RESTROO... (E) DOOR OPENERS -- 20 A 1 1,600 1 1 20 A G (N) BOARD ROOM PROJECTOR -- 20 A 1 -- 20 A 1 R 20 A 1 1 20 A R (N) R - CLASSROOM 179 (E) 101,102, OUTLETS (E) 181 FLOOR BOXES 1 20 A R (N) R- LG. MEETING RM COUNTER (N) R - PATIENT CARE RECPT 400 1 20 A G (N) BOARD PROJECTOR R 20 A 1 (N) R - CONF 158 (N) R - BOARD ROOM (E) RM 181 SE OUTLET -- 20 A (N) R - STORAGE 153 -- 20 A 1 20 A G (E) RM 181 SW OUTLET (N) LG MEETING RM PROJECTOR (E) 102,103 BOTTOM SHADES -- 20 A 1 15 A Motor (N) BLACK OUT SHADES -- 20 A 1 (E) 102,103 TOP SHADES 1 20 A R (N) R - BOARD RM COUNTER - 20 A 1 N) CLASSROOM MOTOR SCREEN 2 (E) 103 SOUTH WALL OUTLETS (E) 103 WEST WALL OUTLETS -- 20 A 600 1 1 20 A R (N) CONF ROOM DISPLAY R 20 A 1 (N) R - BOARD ROOM COUNTER 1 1 20 A G (N) MINI-FRIDGE R 20 A 1 (N) R ROOM 46 1 20 A --(N) LVRP R 20 A 1 1 (N) R - RECEPTION 121 1 20 A --(E) SPARE BREAKER 7 (N) R - LG MEETING ROOM COUNTER R 20 A 1 1 180 1 20 A --(E) SPARE BREAKER 9 (N) MEETING ROOM PROJECTOR G 20 A 1 1 1 20 A --(E) SPARE BREAKER 41 (N) MEET RM MOTORIZED SCREENS | Motor | 15 A | 1 | 2 0 1 20 A --(E) SPARE BREAKER Total Connected load Ph. A Panel Connected Load: 37.7 kVA 114 A Total Demand Load: 38.0 kVA Total Connected load Ph. B 106 A 105.5 A 97 A Total Connected load Ph. C Provide new load on existing breaker.
 Provide new breaker as shown. Match existing manufacturer and AIC rating. Load Type Definitions: Motor (125% largest Motor + 100% remaining motors) K = Kitchen (Demand as per NEC Table 220.56) C = Continuous Load (125%) X = X-Rays (Demand per NEC 660.6) G = General Load (Non-continuous) (100%) L = Lighting (125%) R = Receptacles (to 10kVA100%, over 10 kVA 50%) H = Heating (100%) E = Existing Load 30-day metered (125%) EL = Elevator (Demand as per NEC Table 620.14) W = Water Heater (125%) Load Type **Connected Load NEC Demand Factor NEC Demand Load** Panel Totals 103.57% 3625.0 Total Connected Load: 37720.0 VA 750.0 125.00% 100.00% 3640.0 Total NEC Demand: 37995.0 VA 9100.0 9100.0 Total Connected Current: 104.7 A 100.00% Total NEC Demand Current: 105.5 A 20880.0 100.00% 20880.0 **LOAD SUMMARY - 2B1** AT EXISTING 208/120V, 250AMP PANELBOARD '2B1' \*EXISTING LOADS TAKEN FROM AS-BUILT DRAWINGS DATED 8/14/02\* EXISTING LOAD: 41.3 KVA EXISTING SPARE CAPACITY(80% MAX): 48.8 KVA +ESTIMATED ADDED LOAD: 16.8 KVA -ESTIMATED REMOVED LOAD: 21.1 KVA NET TOTAL: -4.3 KVA TOTAL NEW DEMAND LOAD: 37.4 KVA 52.7 KVA NEW SPARE CAPACITY: 103.8 AMPS TOTAL AMPS (208V, 3 PHASE):

	MAIN LUG ONLY BUS AMPACITY: 250 A EQUIPMENT RATING: 120/208 V AIC RATING: EXISTING		WIRE							ENCLO LOC	NTING: SURE: ATION: FROM:	TYPE VP OF	1 FICE	132	Δ	accessories:		
								Load	I (VA)			]						
						A	В	С	A	В	С							
СКТ	Description/Location			Pole	Note	4.000						Note			Type		ription/Location	CK
1	(N) R - VP OFFICE 146	R	20 A	1	1	1,080	000		800				1	20 A		` ,	OOR OPENERS	2
3 5	(N) R - OPEN OFFICE (N) R - VP OFFICE 146 & 145	R	20 A 20 A	1	1		900	1,260		0	0		1	20 A 20 A		` '	38 SOUTH OUTLETS 139 SE OUTLETS	6
7	(N) R - OPEN OFFICE	R	20 A	1	1	540		1,200	0				1	20 A		` ,	139 SW OUTLETS	8
9	(N) R - RM 136,138,139 OUTLETS	R	20 A	1	1	340	900		H	0			1	20 A		` ,	FIRE DAMPERS	10
11	(N) R - VP OFFICE 145	R	20 A	1	1		300	1,080			0		1	20 A		` ,	38 SOUTH OUTLETS	12
13	(E) RM 190 GFI OUTLETS		20 A	1	'	1,200		1,000	0				1	20 A		` '	39 SOUTH OUTLETS	14
15	(E) RM 190 WEST OUTLETS	<del> </del>	20 A	1		1,200	1,200		H	0			1	20 A		` '	ROOM EAST OUTLET	16
17	(N) R - CONF ROOM 122	R	20 A	1	1		1,200	1,260			180	1	1	20 A	R	\ /	RK ROOM COUNTER	18
19	(N) REFRIGERATOR	G	20 A	1	2, 3	900		1,200	180		100	1	1	20 A	R	` '	RK ROOM COUNTER	20
21	(N) R - OFFICE 160	R	20 A	1	1	550	900		1.55	180		1	1	20 A	R	` '	RK ROOM COUNTER	22
23	(E) RM 121 EAST OUTLET		20 A	1	<u> </u>		555	1,440		.55	180	1	1	20 A	R	` '	AFF ROOM COUNTER	24
25	(N) R - OFFICE 166	R	20 A	1	1	1,080		.,0	180		100	1	1	20 A		` '	AFF ROOM COUNTER	26
27	(N) R - OFFICE 164	R	20 A	1	1	1,000	900		100	180		1	1	20 A		` '	RBAGE DISPOSAL	28
29	(N) R - WORK ROOM & CONF 143	R	20 A	1	1		555	1,260		100	600	1	1	20 A		` ,	CONF 123 DISPLAY	30
31	(N) COPIER	G	20 A	1	1	1,000		.,200	180		330	1	1	20 A	R	` '	FFICE 145 DISPLAY	32
33	(N) LARGE REFRIGERATOR	G	20 A	1	2, 3	1,000	180		100	240		1	1	15 A	G	` '	TRAP PRIMER	34
35	(N) R - HALL 131	R	20 A	1	1		100	1,140		270	0	'	1	20 A		` ,	ARE BREAKER	36
37	(N) HOTBOX	G	20 A	1	1	400		1,110	0				1	20 A			ARE BREAKER	38
39	(N) ICE MACHINE	G	20 A	1	2, 3	100	400			0			1	20 A			ARE BREAKER	40
41	(N) R - CONF 143 & PRES OFFICE	R	20 A	1	1		700	1,080			0		1	20 A			ARE BREAKER	42
/lotor	<b>Type Definitions:</b> (125% largest Motor + 100% remainir	•	,		itchen													
	eceptacles (to 10kVA100%, over 10 k\ isting Load 30-day metered (125%)	/A 50%)				•	•	r NEC 1		,	C = Co			`	(%)	• ,	Demand per NEC 660.6)	
	oad Type Connected				eneral	Load (N	Non-con	itinuous	) (100%	)	L = Lig	hting (1	125%)	`	,	X = X-Rays ([ H = Heating (	• ,	
		Load		= Elev	eneral ⁄ator ([	Load (N Demand	Non-con as per	itinuous	) (100% able 620	) ).14)	L = Lig W = W	hting (1	125%)	`	,	H = Heating (	100%)	
				= Elev	eneral ator ([ EC De	Load (Nemand Finance)	Non-con as per	itinuous	) (100% able 620 <b>NEC D</b>	o) 0.14) <b>Demanc</b>	L = Lig W = W <b>I Load</b>	hting (1	125%)	`	,	• ,	100%)	
G	3300.0			= Elev	eneral ator ([ EC De	Load (Nemand F) 00.00%	Non-con as per	itinuous	) (100% able 620 <b>NEC D</b>	) 0.14) <b>Demanc</b> 3300.0	L = Lig W = W <b>I Load</b>	hting (1	125%)	125%)	,	H = Heating (	otals	
G R	3300.0 15060.	)		= Elev	eneral vator (I EC De 10	Load (Note that the Load (	Non-con as per	itinuous	) (100% able 620 <b>NEC D</b>	0.14) Demano 3300.0 12530.0	L = Lig W = W <b>I Load</b>	hting (1	125%)	125%) Tot	al Con	H = Heating (  Panel To  nected Load:	100%) <b>otals</b> 46655.0 VA	
G R	3300.0	)		= Elev	eneral vator (I EC De 10	Load (Nemand F) 00.00%	Non-con as per	itinuous	) (100% able 620 <b>NEC D</b>	) 0.14) <b>Demanc</b> 3300.0	L = Lig W = W <b>I Load</b>	hting (1	125%) eater (	125%) Tot	al Con	H = Heating (	100%)  otals  46655.0 VA  44125.0 VA	
G R Spare	3300.0 15060.	)		= Elev	eneral vator (I EC De 10	Load (Note that the Load (	Non-con as per	itinuous	) (100% able 620 <b>NEC D</b>	0.14) Demano 3300.0 12530.0	L = Lig W = W <b>I Load</b>	hting (1	125%) eater (	125%) Total	al Con Total N	Panel Tonected Load:	100%)  otals  46655.0 VA  44125.0 VA  129.5 A	
G R	3300.0 15060.	)		= Elev	eneral vator (I EC De 10	Load (Note that the Load (	Non-con as per	itinuous	) (100% able 620 <b>NEC D</b>	0.14) Demano 3300.0 12530.0	L = Lig W = W <b>I Load</b>	hting (1	125%) eater (	125%) Total	al Con Total N	Panel Tonected Load: IEC Demand: cted Current:	100%)  otals  46655.0 VA  44125.0 VA  129.5 A	
G ₹	3300.0 15060.	)		= Elev	eneral vator (I EC De 10 8	Load (N Demand F mand F 00.00% 3.20% 00.00%	Non-con as per <b>actor</b>	NEC Ta	) (100% able 620 NEC D	0) 0.14) <b>Demanc</b> 3300.0 12530.0 28295.0	L = Lig W = W I Load	hting (*ater He	125%) eater (	125%) Total	al Con Total N	Panel Tonected Load: IEC Demand: cted Current:	100%)  otals  46655.0 VA  44125.0 VA  129.5 A	
ુ ર	3300.0 15060.	)	EL	= Elev	eneral vator (I EC De 10 8 10 10 10 10 10 10 10 10 10 10 10 10 10	Load (Note that I have been seen and the control of	SU G 208/1	JM 20V, 25	) (100% able 620 NEC D	0.14) 0.14) 0emano 3300.0 12530.0 28295.0	L = Lig W = W <b>I Load</b>	2C	To	Total	al Con Total N	Panel Tonected Load: IEC Demand: cted Current:	100%)  otals  46655.0 VA  44125.0 VA  129.5 A	
G R	3300.0 15060.	)	EL	= Elev	eneral vator (I EC De 10 8 10 10 10 10 10 10 10 10 10 10 10 10 10	Load (Note that I have been seen and the control of	SU G 208/1	JM 20V, 25	) (100% able 620 NEC D	0.14)  Demano 3300.0 12530.0 28295.0	L = Lig W = W I Load	2C  '2C1' DATED	To	Total	al Con Total N	Panel Tonected Load: IEC Demand: cted Current: and Current:	100%)  otals  46655.0 VA  44125.0 VA  129.5 A	
G R	3300.0 15060.	)	EL	= Elev	eneral vator (I EC De 10 8 10 10 10 10 10 10 10 10 10 10 10 10 10	Load (Note that I have been seen and the control of	SU G 208/1	JM 20V, 25	) (100% able 620 NEC D	0.14) 0.14) 0emano 3300.0 12530.0 28295.0 PANEL DRAW	L = Lig W = W I Load	2C  '2C1' DATED	To 8/14/0	Total	al Con Total N	Panel Tonected Load: IEC Demand: cted Current:	100%)  otals  46655.0 VA  44125.0 VA  129.5 A	
G R	3300.0 15060.	)	EL	= Elev	eneral vator (I EC De 10 8 10 10 10 10 10 10 10 10 10 10 10 10 10	Load (Note that I have been seen and the control of	SU G 208/1	JM  20V, 25 ROM AS	NEC D  SOAMP   S-BUILT	0.14) 0.14) 0.14) 0.14) 0.14) 0.14) 0.14) 0.14) 0.12530.0 0.12530.0 0.28295.0 0.12530.	L = Lig W = W I Load	2C '2C1' DATED LOAD:	To 8/14/0	Total	al Con Total N	Panel Tonected Load: EC Demand: cted Current: and Current:	100%)  otals  46655.0 VA  44125.0 VA  129.5 A	
ુ ર	3300.0 15060.	)	EL	= Elev	eneral vator (I EC De 10 8 10 10 10 10 10 10 10 10 10 10 10 10 10	Load (Note that I have been seen and the control of	SU G 208/1	JM  20V, 25 ROM AS	) (100% able 620 NEC D	0.14)  Demand 3300.0 12530.0 28295.0  PANEL DRAW  EXITAD A	L = Lig W = W I Load  D D D BOARD VINGS D ISTING TY(80%	thing (fater Header Hea	125%) peater (  To	Total	al Con Total N	Panel Tonected Load: IEC Demand: cted Current: and Current: 41.3 KVA 48.8 KVA 18.4 KVA	100%)  otals  46655.0 VA  44125.0 VA  129.5 A	
G ₹	3300.0 15060.	)	EL	= Elev	eneral vator (I EC De 10 8 10 10 10 10 10 10 10 10 10 10 10 10 10	Load (Note that I have been seen and the control of	SU G 208/1	JM  20V, 25 ROM AS	) (100% able 620 NEC D	0.14)  Demand 3300.0 12530.0 28295.0  PANEL DRAW  EXITAD A	L = Lig W = W I Load  D D BOARD VINGS E ISTING TY(80%	thing (fater Header Hea	125%) peater (  To	Total	al Con Total N	Panel Tonected Load: IEC Demand: cted Current: and Current:  41.3 KVA 48.8 KVA	100%)  otals  46655.0 VA  44125.0 VA  129.5 A	
G R	3300.0 15060.	)	EL	= Elev	eneral vator (I EC De 10 8 10 10 10 10 10 10 10 10 10 10 10 10 10	Load (Note that I have been seen and the control of	SU G 208/1	JM 20V, 25 ROM AS	NEC D  NE	D.14) Demand 3300.0 12530.0 28295.0  PANEL DRAW  EXITATED A ED REM	L = Lig W = W I Load  D D D D D D D D D D D D D D D D D D	Phting (fater Header He	125%) peater (  To	Total	al Con Total N	Panel Tonected Load: IEC Demand: cted Current: and Current:  41.3 KVA 48.8 KVA 18.4 KVA 12.9 KVA 5.4 KVA	100%)  otals  46655.0 VA  44125.0 VA  129.5 A	
G ₹	3300.0 15060.	)	EL	= Elev	eneral vator (I EC De 10 8 10 10 10 10 10 10 10 10 10 10 10 10 10	Load (Note that I have been seen and the control of	SU G 208/1	JM  20V, 25 ROM AS	NEC D  SOAMP	Demand 3300.0 12530.0 28295.0 PANEL DRAW EXIAPACITATED A	L = Lig W = W I Load  I Load  BOARD VINGS D ISTING TY(80%  ADDED MOVED NET T	Phting (*ater Header Load: ACITY: htting (*ater Header Load:	125%) peater (  To	Total	al Con Total N	Panel Tonected Load: IEC Demand: cted Current: and Current: 41.3 KVA 48.8 KVA 18.4 KVA 12.9 KVA 5.4 KVA	100%)  Dtals  46655.0 VA  44125.0 VA  129.5 A  122.5 A	

TOTAL AMPS (480V, 3 PHASE):

122.5 AMPS

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Project Owner:
CLACKAMAS
COMMUNITY COLLEGE

Project Name:
CCC Rook TI

Project Adress:
19600 Molalla Avenue
Oregon City, OR, 97045
Key Plan

INTERFACE ENGINEERING

PROJECT 2021-0057
CONTACT Alex Magee
100 SW Main Street, Suite 1600
Portland, OR 97204
TEL 503.382.2266
www.interfaceengineering.com

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Revisions to Sheet

No. Revision Date

atus: BID SET

Date: 11/15/2021
Sheet Title

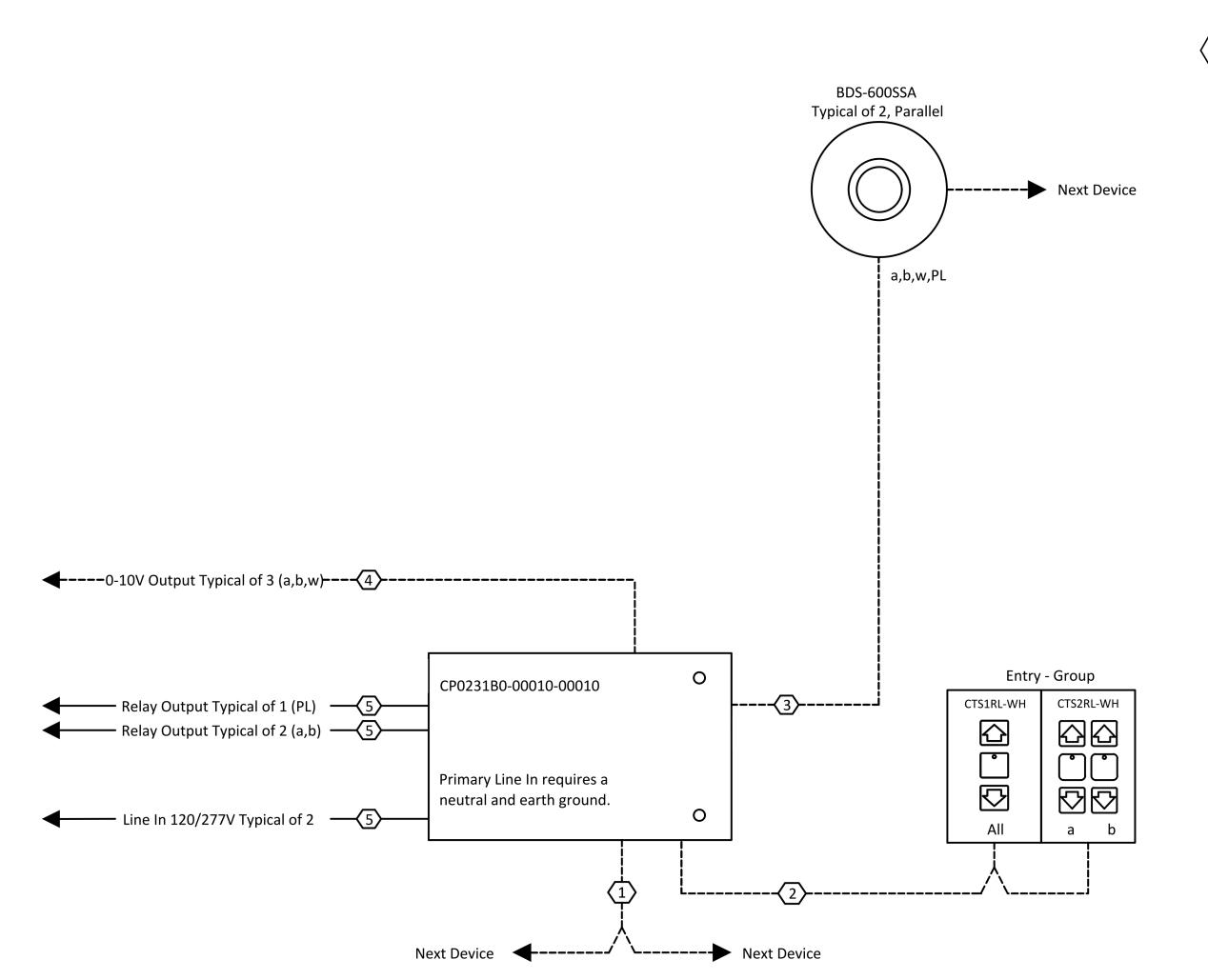
SCHEDULES -ELECTRICAL

Sheet No. **E6.02** 

Job No.

4793-01

plotted: **11/12/2021 9:24:50 AM** sheet size: 30" x 42"



## NOTES THIS DETAIL

BACNET/MSTP, CL3P-22/2-LC-S

- 2. CANBUS, (1)CL3P-22/2-LC, (1)CL3P-22/2
- INPUT CABLE, CL3P-22/2
- 4. OUTPUT CABLE, CL3P-22/2
- 12-10 AWG, COPPER CONDUCTORS

## DETAIL LEGEND, SYMBOLS

CLASS-I WIRE /CABLE

CLASS-II WIRE/CABLE

INDICATES DAISY CHAIN TOPOGRAPHY

a,b,c, etc... (PL)

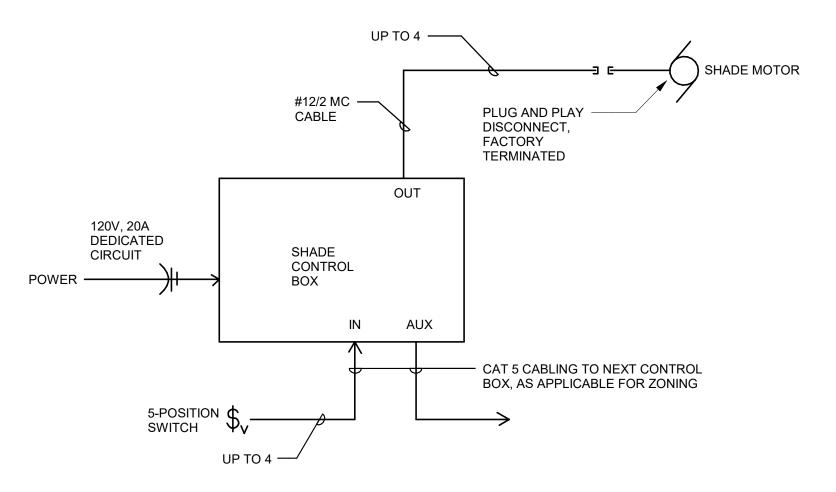
(PL) PARALLEL INDICATES CONTROL CHANNEL
PLUG LOAD
MULTIPLE DEVICES, SINGLE INPUT

#### 4 LIGHTING CONTROL PANEL CONTROL DIAGRAM

NO SCALE

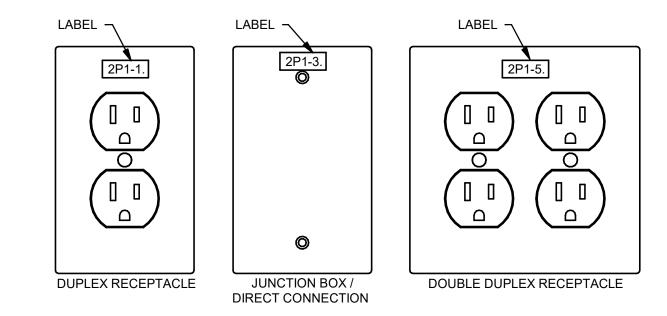
#### GENERAL DETAIL NOTES:

- A. SCHEMATIC BASED ON SHADE CONTROLLER SPECIFICATION BASIS OF DESIGN: MECHOSHADE IQ/MLC2 SERIES
- B. REFER TO FLOOR PLANS FOR ZONING OF SHADES AS CONTROLLED BY 5 POSITION SWITCHES.
- PROVIDE INSTALLATION BASED ON OWNER/ARCHITECT APPROVED SHOP DRAWINGS, INDICATING SHADE MOTOR LOCATIONS ON WALL ELEVATIONS, AS WELL AS SWITCH, SHADE MOTOR AND CONTROLLER BOX LOCATIONS ON FLOOR PLANS.
- D. NEC REQUIRED LOCAL DISCONNECT FOR SHADE MOTORS PROVIDED BY PLUG-AND-PLAY DISCONNECT. PROVIDE SUPPLEMENTAL LOCAL TOGGLE SWITCH AS REQUIRED BY LOCAL CODE OFFICIAL.
- E. DO NOT INSTALL WITH EXPOSED CONDUIT OR CABLES IN OCCUPIED SPACES, INCLUDING TO SHADE MOTORS. COORDINATE RECESSED CONDUIT ROUTING IN SHOP DRAWINGS PRIOR TO INSTALLATION.



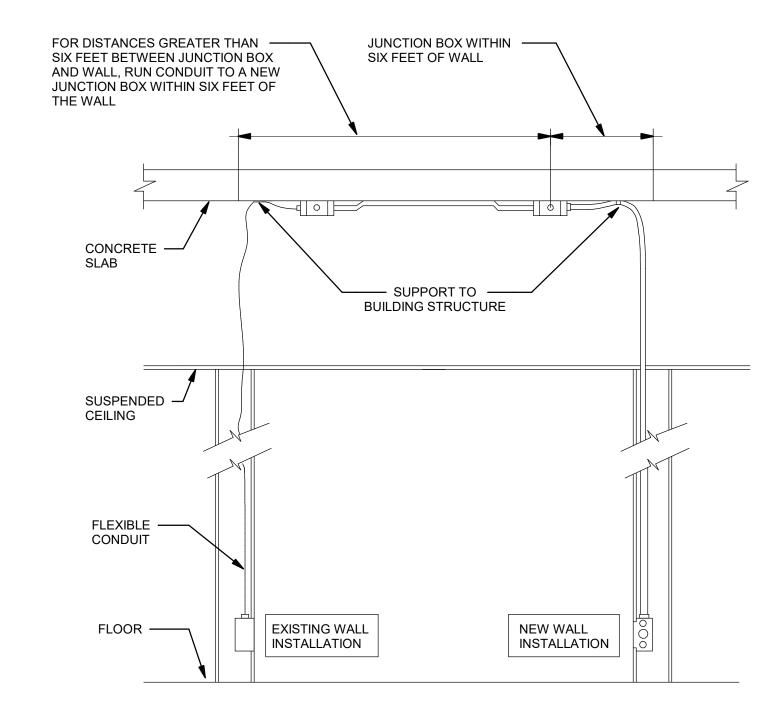
#### 5 MOTORIZED SHADE CONTROL SCHEMATIC

NO SCALE



#### 1 OUTLET LABELING

NO SCALE

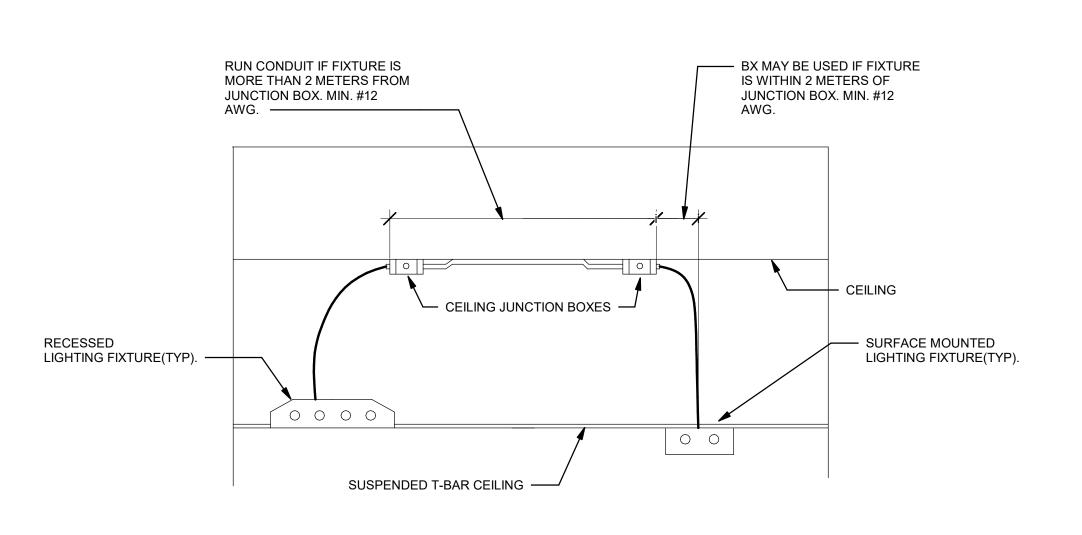


#### GENERAL DETAIL NOTES:

NEW WALL INSTALLATION RUN CONDUIT FROM JUNCTION BOX DOWN TO FIRST DEVICE.
 EXISTING WALL INSTALLATION RUN FLEX OR BX FROM JUNCTION BOX DOWN TO DEVICE.
 ALL CONDUITS ARE TO BE DIRECTLY SUPPORTED FROM SLAB.
 COORDINATE ROUTE WITH OTHER TRADES TO AVOID CONFLICTS WITH ACCESS.

#### **POWER DROP DETAIL**

NO SCALE



#### DETAIL NOTES:

(1) BX IS ONLY PERMITTED FOR FIXTURE DROPS. DO NOT LOOP BX FROM ONE FIXTURE TO ANOTHER.

#### 3 LIGHTING DROP - DETAIL

NO SCALE

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COMMUNITY COLLEGE

Project Name: CCC Rook TI

Project Adress:
19600 Molalla Avenue
Oregon City, OR, 97045
Kev Plan

INTERFACE ENGINEERING

PROJECT 2021-0057

CONTACT Alex Magee

100 SW Main Street, Suite 1600
Portland, OR 97204

TEL 503.382.2266

www.interfaceengineering.com

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Revisions to Sheet

tus: BID SET

Date: 11/15/2021
Sheet Title
DETAILS -

DETAILS -ELECTRICAL

**E7.01** 

#### **MECHANICAL SYMBOL LIST**

AIR TEMPERATURE SENSOR

CARBON DIOXIDE SENSOR

CARBON MONOXIDE SENSOR

OCCUPANCY SENSOR

ROOM THERMOSTAT

12x12 CD-1 DIFFUSER OR GRILLE IDENTIFICATION

RETURN/EXHAUST AIR FLOW

SLOT DIFFUSER

SUPPLY AIR

→ SUPPLY AIR FLOW

FLEXIBLE CONNECTION

SENSOR

#### NOTE: This is a standard symbol list and not all items listed may be used. <u>Abbreviations</u> **Control Symbols** (A) ABANDON IN PLACE ABOVE FINISHED FLOOR ACCESS DOOR AIR CONDITION(ED) AIR HANDLING UNIT BDD BACKDRAFT DAMPER BRAKE HORSEPOWER CD CEILING DIFFUSER CENTERLINE CD CONDENSATE DRAIN CU CONDENSING UNIT CONT. CONTINUATION CFM CUBIC FEET PER MINUTE CUBIC FOOT DB DECIBEL DEMOLISH DEW POINT, DIFFERENTIAL PRESSURE DIA DIAMETER DX DIRECT EXPANSION <u>Dampers</u> DG DOOR GRILLE DROP FIRE DAMPER DRY BULB EFF **EFFICIENT** ELECT ELECTRICAL FIRE/SMOKE DAMPER EER ENERGY EFFICIENCY RATING EAT ENTERING AIR TEMPERATURE EXH **EXHAUST** EXHAUST FAN MOTORIZED DAMPER EXISTING FACE AREA **FAHRENHEIT** SMOKE DAMPER FAN COIL FEET FPM FEET PER MINUTE VOLUME DAMPER FEET PER SECOND FIRE DAMPER **Diffusers and Grilles** FLEXIBLE CONNECTOR T/FRZ FREEZE THERMOSTAT FLA FULL LOAD AMPS (F) FUTURE HTR HEATER HEATING HORSEPOWER INCHES INSIDE DIAMETER INVERT ELEVATION KW KILOWATT LATENT HEAT LH LEAVING AIR TEMPERATURE MW MAKE-UP WATER MAX MAXIMUM MINIMUM MA MIXED AIR MOTOR STARTER MOTORIZED DAMPER MOUNTING HEIGHT NEW (N) NOISE CRITERIA NORMALLY CLOSED **Ductwork Fittings** NORMALLY OPEN NOT APPLICABLE NOT IN CONTRACT NTS NOT TO SCALE NO. NUMBER BELLMOUTH ON CENTER OPPOSED BLADE DAMPER OUTSIDE AIR CONCENTRIC SQUARE TO ROUND OUTSIDE DIAMETER PH PHASE LBS. POUNDS POUNDS PER SQUARE INCH PRESSURE DROP PD PRESSURE REDUCING VALVE QUANTITY REFRIGERANT REFRIGERANT LIQUID REFRIGERANT SUCTION RELATIVE HUMIDITY RLD RELIEF DAMPER RELOCATE/RELOCATED LOCATION FLEX DUCT RETURN RA RETURN AIR RPM REVOLUTIONS PER MINUTE RISE SEASONAL ENERGY EFFICIENCY RATING SEER ├───र् ├──् NON-SYMMETRICAL WYE SH SENSIBLE HEAT SHUT OFF VALVE SMOKE DETECTOR SQUARE FEET RECTANGULAR DUCT DROP STATIC PRESSURE SUPPLY AIR T, TEMP TEMPERATURE RECTANGULAR DUCT RISER TEMPERATURE DIFFERENCE THOUSAND BTU'S PER HOUR TOTAL HEAT TOTAL PRESSURE TURNING VANE ELBOW

UNDERCUT DOOR

WATER COLUMN

VELOCITY VOLT

WATT WET BULB

WITH

WITHOUT

DEMOLISH

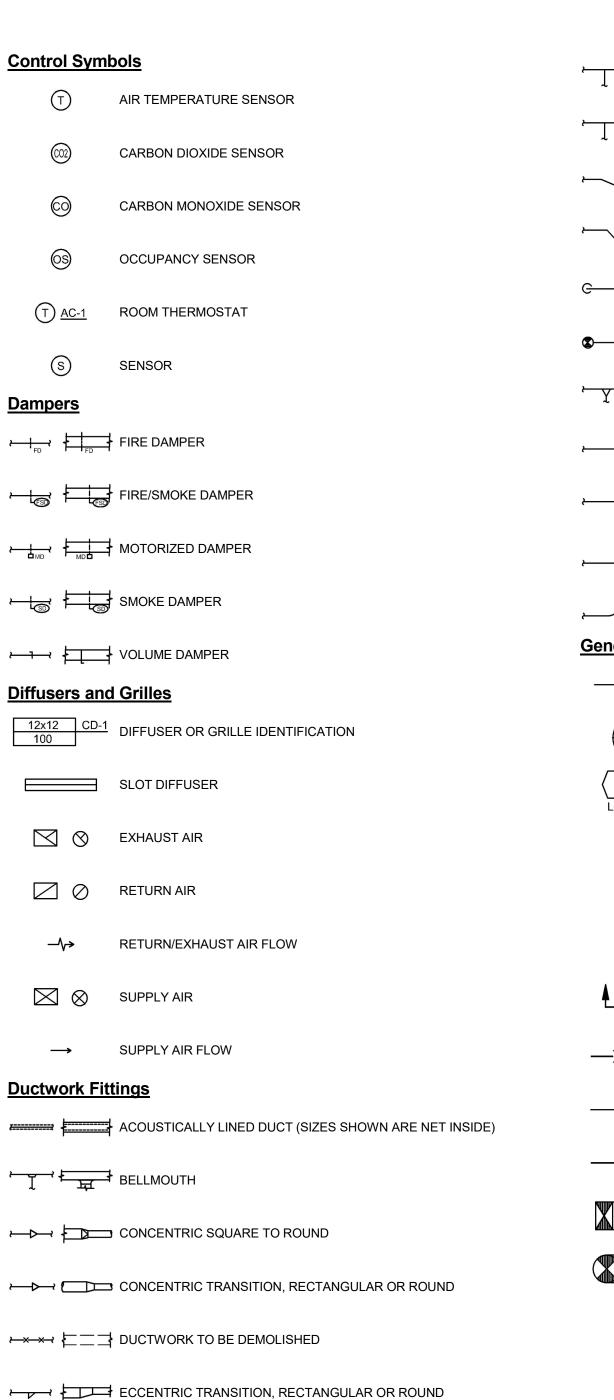
VFD

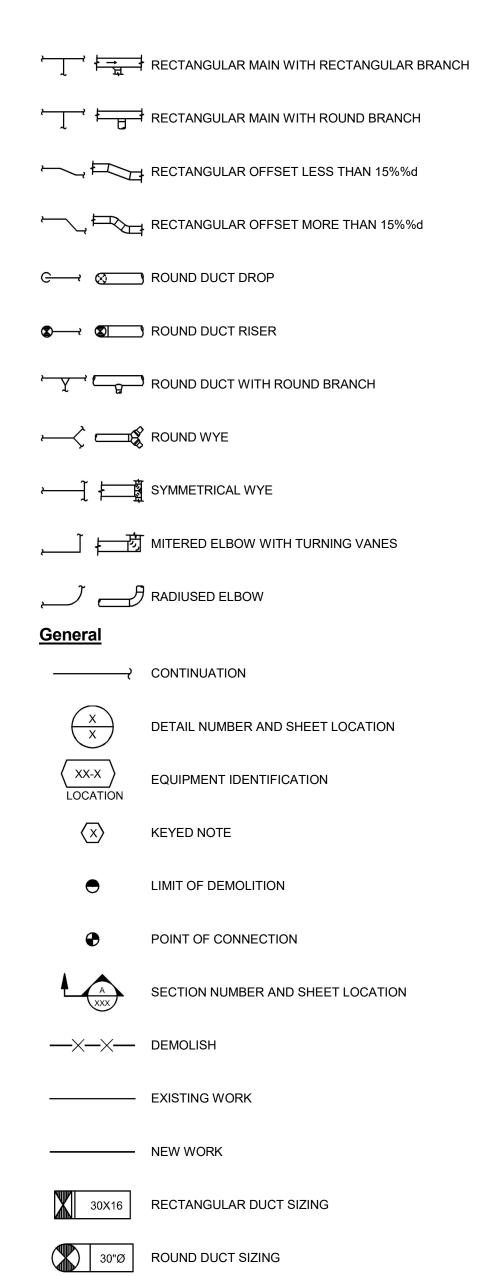
VEL

W/ W/O VARIABLE AIR VOLUME

VARIABLE FREQUENCY DRIVE

VOLUME DAMPER (HAND OPERATOR)





#### **GENERAL MECHANICAL NOTES**

- A. EXISTING CONDITIONS ARE SHOWN FOR REFERENCE ONLY. CONTRACTOR TO FIELD VERIFY CONDITIONS PRIOR TO DEMOLITION AND NOTIFY THE ENGINEER OF SIGNIFICANT CHANGES.
- B. PROVIDE UNIT COST IN BID FOR REPLACEMENT OF DAMAGED TERMINAL UNITS THAT ARE UNABLE TO BE SALVAGED AND REINSTALLED PER THE DRAWINGS.
- C. NEW CONTROLS SYSTEM TO BE PROVIDED FOR THE 1ST FLOOR OF ROOK HALL AND TIE INTO THE EXISTING AUTOMATED LOGIC (ALC) DDC SYSTEM TO PROVIDE A FULLY FUNCTIONAL BUILDING CONTROL SYSTEM. PROVIDE NEW CONTROLLERS, SENSORS, ETC FOR EXISTING TO REMAIN EQUIPMENT ON THE 1ST FLOOR. UPDATE SOFTWARE FOR REMAINING OF BUILIDNG CONTROLLERS AS NECESSARY FOR INTEGRATION WITH NEW 1ST FLOOR CONTROLS. REFER TO SPEC 23 09 00 FOR ADDITIONAL INFORMATION.
- D. LIGHTING CONTROLS SYSTEM TO BE INTEGRATED INTO THE DDC SYSTEM. COORDIANTE REQUIRED CONTROLS POINTS WITH LIGHTING CONTRACTOR. REFER TO DIV 26 DRAWINGS FOR AND SPEC 23 09 00 FOR ADDITIONAL INFORMATION.
- E. INSTALL EQUIPMENT WITH SERVICE CLEARANCES RECOMMENDED BY THE MANUFACTURER AND AS REQUIRED BY CODE AND LOCAL INSPECTOR.
- F. PROVIDE VOLUME DAMPERS IN RUNOUTS TO SUPPLY, EXHAUST, AND RETURN GRILLES, UNLESS NOTED OTHERWISE. LOCATE VOLUME DAMPERS AT BRANCH CONNECTIONS AND PROVIDE CONCEALED DAMPER OPERATERS IN LOCATIONS WHERE DAMPERS ARE INACCESSIBLE.
- G. DUCT RUNOUTS TO SUPPLY, EXHAUST, AND RETURN GRILLES TO MATCH SIZE OF CONNECTED AIR TERMINAL, UNLESS NOTED OTHERWISE.
- H. DUCTWORK DIMENSIONS SHOWN ON DRWINGS ARE CLEAR INTERNAL DIMENSIONS. WHEN ACCOUSTICAL DUCT LINING IS REQUIRED INCREASE DUCT SIZE TO MAINTAIN CLEAR INTERNAL DIMENSIONS.
- I. PROVIDE DUCT ACCESS DOORS FOR EQUIPMENT AND DEVICES REQUIRING ACCESS OR RESETTING (IE FIRE/SMOKE DAMPERS, SENSORS, BACKDRAFT DAMPERS, ETC). INDICATE SIZE AND LOCATION ON
- J. SEAL MECHANICAL ROOF PENETRATIONS WEATHER TIGHT. COORDINATE ROOF PENETRATION WITH ARCHITECTURAL DRWINGS AND GENERAL CONTRACTOR.
- K. MAXIMUM LENGTH OF FLEXIBLE DUCT TO BE 5FT.

COORDINATED SHOP DRAWINGS.

- L. COORDINATE MOUNTING LOCATION OF SENSORS, THERMOSTATS, AND SWITCHES TO COMPLY WITH ADA REQUIREMENTS (TYPICALLY 48" AFF).
- M. ENSURE POST CONSTRUCTION AIRFLOW TESTING AND BALANCING AND MEASUREMENT FOR THE 2ND LEVEL AIRFLOW MATCHES THE PRE-CONSTRUCTION AIRFLOW MEASUREMENTS.
- N. ENSURE POST CONSTRUCTION THAT THE EXISTING ROOFTOP AHU IS BALANCED TO HAVE A MINIMUM OUTDOOR AIR POSITION OF 9800 CFM.
- O. PROVIDE ACCESS PANELS FOR ACCESS TO CONCEALED EQUIPMENT, JUNCTION BOXES, AND CONTROLS. QUANTITY AND LOCATION OF ACCESS PANELS ARE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH AS-BUILT CONDITIONS AND MAY NOT BE INDICATED ON THE DRAWINGS. SUBMIT PROPOSED ACCESS PANEL LAYOUT TO ARCHITECT, PRIOR TO INSTALLATION, FOR CONFIRMATION OF DESIGN

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No. Revision

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- M0.02 SCHEDULES MECHANICAL
- M1.01 LEVEL 1 DEMO MECHANICAL PLAN

M2.01 LEVEL 1 - MECHANICAL PLAN

M5.00 DETAILS - MECHANICAL

**BID SET** 

11/15/2021

Sheet Title

**SYMBOL LIST AND GENERAL** NOTES -**MECHANICAL** 

M0.01

DI	DIFFUSER, REGISTER AND GRILLE SCHEDULE										
	BASIS OF DESIGN										
SYMBOL	TYPE	FACE	FRAME	FINISH	MFR.	MODEL	COMMENTS				
CEG-1	CEILING EXHAUST GRILLE	PERFORATED	LAY-IN	WHITE	PRICE	PDR					
CEG-2	CEILING EXHAUST GRILLE	PERFORATED	SURFACE	WHITE	PRICE	PDR					
CRG-1	CEILING RETURN GRILLE	PERFORATED	LAY-IN	WHITE	PRICE	PDR					
CRG-2	CEILING RETURN GRILLE	PERFORATED	SURFACE	WHITE	PRICE	PDR					
CD-1	CEILING SUPPLY DIFFUSER	LOUVERED	LAY-IN	WHITE	PRICE	SCD					
CD-2	CEILING SUPPLY DIFFUSER	LOUVERED	SURFACE	WHITE	PRICE	SCD					
CD-3	CEILING SUPPLY DIFFUSER	LOUVERED	LAY-IN	WHITE	PRICE	SPD					
SD-1	LINEAR SLOT DIFFUSER	(2) 1" SLOTS	SURFACE	WHITE	PRICE	SDS					

NOTES (TYP ALL):

A. NOISE CRITERIA OF GRDS TO BE NC25 OR LESS, UNLESS NOTED OTHERWISE.
B. CEILING SUPPLY DIFFUSERS 4-WAY THROW UNLESS NOTED OTHERWISE.
C. COORDINATE EXACT QUANTITY, DIMENSIONS, FRAME, AND DAMPER TYPE WITH OVERALL MECHANICAL AND ARCHITECTURAL CEILING PLANS.

NEW SINGLE DUCT TERMINAL UNIT SCHEDULE WITH ELECTRIC HEAT																	
			BASIS OI	F DESIGN		COOLING	AIR FLOW	ELECTRIC RE HEAT				ELE	CTRIC				
					INLET			MAX HTG							MIN SCCR	WEIGHT	
SYMBOL	LOCATION	AREA SERVED	MFR	MODEL	SIZE	MAX CFM	MIN CFM	CFM	HTG (KW)	VOLTS	PH	MOP	FLA	MCA	(KAIC)	(LBS)	COMMENTS
VAV-1	LG MEETING ROOM - 111A	LG MEETING ROOM - 111A	PRICE	SDV5	9	1200	360	600	7	480	3	15	8.4	11.5	5	51	1
VAV-2	LG MEETING ROOM - 111A	LG MEETING ROOM - 111A	PRICE	SDV5	7	630	190	315	3.5	480	3	15	4.2	5.7	5	43	1
VAV-3	BOARD ROOM - 111B	BOARD ROOM - 111B	PRICE	SDV5	7	630	190	315	3.5	480	3	15	4.2	5.7	5	43	1
VAV-4	CLASSROOM - 112	CLASSROOM - 112	PRICE	SDV5	6	500	150	250	3	480	3	15	3.6	4.9	5	39	1
VAV-5	STAFF ROOM - 124	STAFF ROOM - 124	PRICE	SDV5	5	500	150	250	3	480	3	15	3.6	4.9	5	39	
VAV-6	HALL	RECEPTION - 120 / OFFICE - 122	PRICE	SDV5	7	720	220	360	4	480	3	15	4.8	6.6	5	43	
VAV-7	LOBBY - 100	LOBBY - 100	PRICE	SDV5	5	250	75	125	1.5	480	3	15	1.8	2.5	5	39	
VAV-8	HALL	CONFERENCE - 123	PRICE	SDV5	5	250	75	125	1.5	480	3	15	1.8	2.5	5	39	1

NOTES (TYP ALL): A. MAX HEATING LEAVING AIR TEMPERATURE: 90 DEG F

PROVIDE ELECTRIC RESISTANCE HEATING COILS WITH SCR CONTROL (0-10 VDC) PROVIDE ELECTRIC RESISTANCE HEATING COIL WITH ACCESS DOOR INTERLOCK SWITCH.

D. DISCONNECT BY DIV 26.

COMMENTS:
1. PROVIDE CO2 SENSOR FOR DEMAND CONTROL VENTILATION.

	RELOC	CATED TERMINAL	. UNI	T AIRI	<b>FLOW</b>	/ SCHED	ULE	
						ELECTRIC RES	SISTANCE	
			INLET	COOLING	AIR FLOW	HEA <sup>-</sup>	Γ	
SYMBOL	LOCATION	AREA SERVED	SIZE	MAX CFM	MIN CFM	MAX HTG CFM	HTG (KW)	COMMENTS
(R)TU1-1	OPEN OFFICE - 131	VP OFFICE - 133	6	350	105	175	2	
(R)TU1-3	LOUNGE - 100	LOUNGE - 100	12	1600	480	800	7.5	
(R)TU1-5	CLASSROOM - 110	CLASSROOM - 110	10	1160	335	500	7	1
(R)TU1-6	HALL - 140B	HALL - 140B	4	200	60	100	1	
(R)TU1-8	BOARD ROOM - 111B	BOARD ROOM - 111B	12	1200	360	600	4.5	1
(R)TU1-9	OFFICE - 144	OFFICE - 143 / 144 / 145	8	540	165	270	2.5	
(R)TU1-13	OFFICE - 142	OFFICE - 141 / 142	4	200	60	100	1	
(R)TU1-15	OPEN OFFICE - 131	OPEN OFFICE - 131	8	675	205	335	3.5	
(R)TU1-16	WORK ROOM - 136	WORK ROOM - 136 / CONFERENCE - 135	8	390	120	195	2.5	1
(R)TU1-17	OPEN OFFICE - 131	VP OFFICE - 132	6	270	85	135	2	
(R)TU1-18	HALL	CONFERENCE - 121	6	270	85	135	1.5	
(R)TU1-19	PRES OFFICE - 134	PRES OFFICE - 134	10	650	195	275	3	
(R)TU1-21	HALL - 140B	HALL	8	340	105	170	1	
(R)TU1-22	STORAGE - 114	STORAGE - 114 / 117 / MOTHERS ROOM	6	200	60	100	1	1

NOTES (TYP ALL):

A. BALANCE RELOCATED TERMINAL UNITS TO AIRFLOW INDICATED. INLET SIZE & HTG (KW) ARE FOR REFERENCE ONLY. FOR ADDITIONAL ELECTRICAL INFORMATION REFER TO DIV 26 DRAWINGS.

B. RELOCATED TERMINAL UNIT INCLUDE SCR CONTROL FOR THE ELECTRIC HEATING COIL.

C. RELOCATED TERMINAL UNITS TO BE PROVIDED WITH NEW FIELD MOUNTED CONTROLS.

1. PROVIDE CO2 SENSOR FOR DEMAND CONTROL VENTILATION

	FAN SCHEDULE															
			BASIS OF	DESIGN								ELE	CTRIC	AL	MAX	
		AREA					AIR FLOW	ESP (IN	MAX	SOUNDS				MIN SCCR	WT	
SYMBOL	LOCATION	SERVED	MFR	MODEL	TYPE	DRIVE	(CFM)	H20)	RPM	SONES	VOLTS	PH	MHP	(KAIC)	(LBS)	COMMENTS
FF-2	ROOF	STAFF ROOM - 124	LOREN COOK	ACE-D VF	CENTRIFUGAL DOWNBLAST	DIRECT	575	.5	1800	8.2	120	1	0.125	5	60	

NOTES (TYP ALL):

A. FAN TO BE PROVIDED WITH NEMA 3R ELECTRICAL DISCONNECT FROM MFR. DISCONNECT INSTALLED BY DIV 26.
B. MFR TO PROVIDE ROOF CURB WITH FAN, MINIMUM HEIGHT OF 12"
C. DIRECT DRIVE FANS TO BE PROVIDED WITH ECM MOTOR.
D. PROVIDE MOTORIZED ISOLATION SHUT OFF DAMPERS ON EXHAUST FANS WITH AIRFLOWS GREATER THAN 400 CFM.

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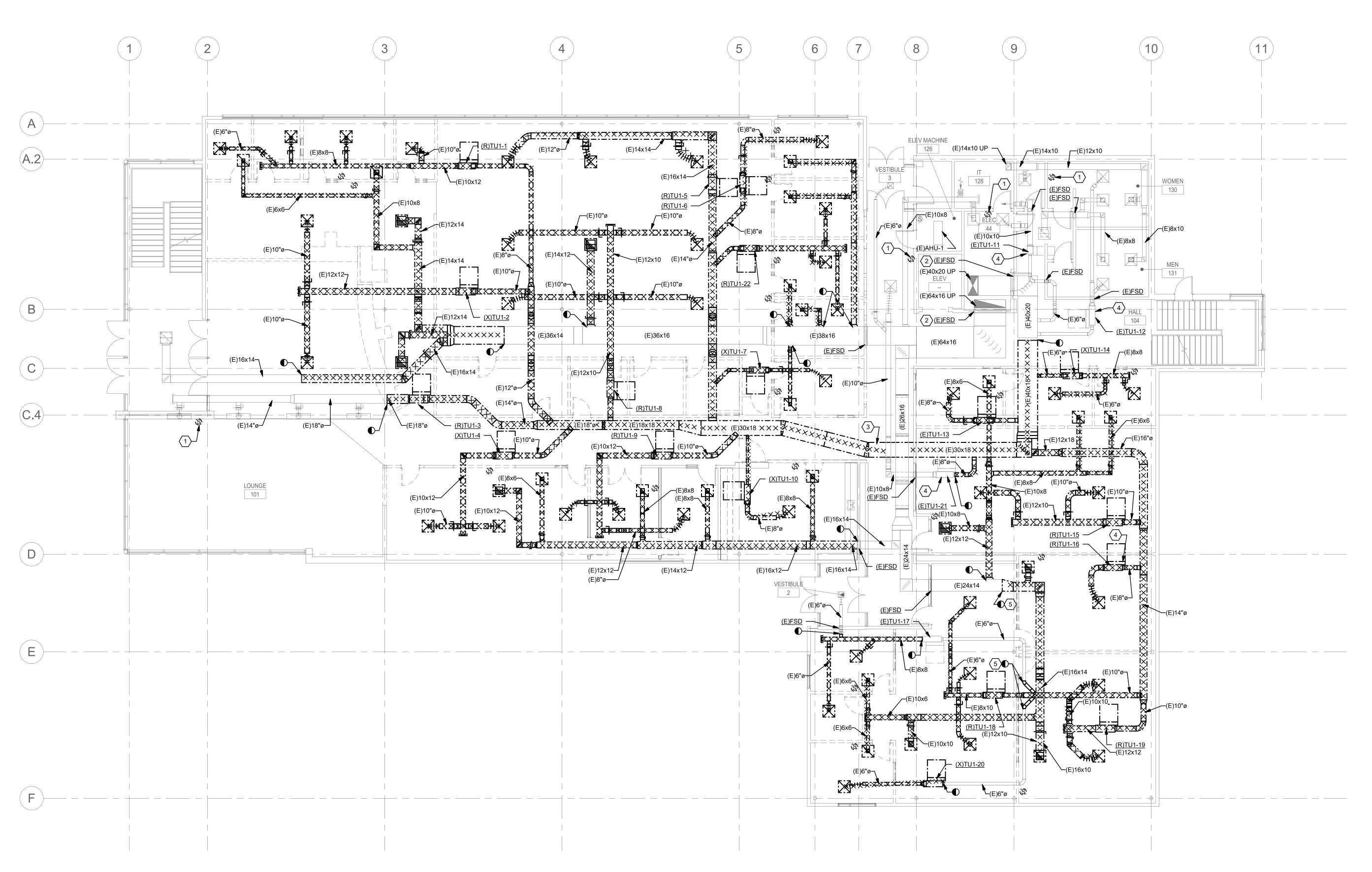
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Date: 11
Sheet Title
SCHEDULES MECHANICAL

M0.02



# 1 LEVEL 1 DEMO MECHANICAL PLAN - OVERALL O' 4' 8' 16'

### **GENERAL SHEET NOTES**

- A. CONTRACTOR TO REVIEW SCOPE OF NEW WORK PRIOR TO BEGINNING OF DEMOLITION WORK.
- B. COORDINATE ANY HVAC SYSTEM SHUT DOWNS WITH CCC FACILITIES PERSONNEL.
- C. SALVAGE TERMINAL UNITS SHOWN TO BE DEMOLISHED AND ASSOCIATED CONTROLS COMPONENTS (THERMOSTATS, CONTROLLERS, ETC). EXISTING TERMINAL UNITS TO BE RELOCATED AS PART OF NEW WORK. RETURN ALL CONTROLS COMPONENTS AND UNUSED EXISTING TERMINAL UNITS TO THE BUILDING OWNER.
- D. CLEAN EXISTING TO REMAIN DUCTWORK AND PROVIDE PROVIDE TEMPORARY DUCT DUST PROTECTION. REFER TO M2.01 FOR CONNECTION TO NEW DUCTWORK AND ADDITIOANL INFORMATION.
- E. PRIOR TO DEMOLITION, TEST HVAC SYSTEM AND DOCUMENT PERFORMANCE IN THE PRESENCE OF CCC FACILITIES PERSONNEL TO VERIFY OPERATION. PROVIDE RESULTS TO CCC FACILITIES AND ENGINEER.
- F. MECHANICAL CONTRACTOR TO COORDINATE WITH CCC FACILITIES PERSONNEL FOR PROVIDING TEMPORARY COOLING/HEATING FOR 1ST LEVEL SPACES OUTSIDE THE SCOPE OF WORK FOR THE DURATION OF HVAC RENOVATIONS.

#### ○ SHEET KEYNOTES

- (E)WALL BOX AND CONDUIT FOR THERMOSTAT TO BE REUSED FOR NEW WALL THERMOSTAT AND WIRING.
- 2. CLOSE (E)FSD TO ISOLATE FIRST FLOOR DUCT SYSTEM.
  TEMPORARILY REBALANCE (E)AHU ON ROOF TO ALLOW NORMAL
  OPERATION OF THE 2ND LEVEL DURING THE DURATION OF HVAC
  RENOVATIONS. REDUCE THE OVERALL AIRFLOW AT THE EXISTING
  ROOFTOP AIR HANDLER BY THE TOTAL SUM OF THE FIRST FLOOR
  TERMINAL UNIT AIRFLOWS, PER THE PRE-CONSTRUCTION AIR
  TESTING.
- COORDINATE DUCTWORK DEMOLITION WITHIN THE CORRIDOR TO MINIMIZE THE DEMOLITION OF THE EXISTING GWB CEILING. COORDINATE PATCHING OF EXISTING CEILING WITH ARCHITECT AND GENERAL CONTRACTOR AFTER INSTALLATION OF NEW DUCTWORK.
- 4. (E)TERMINAL UNIT TO REMAIN. SALVAGE TERMINAL UNIT CONTROLS AND ASSOCIATED THERMOSTAT. RETURN SALVAGED CONTROLS TO BUILDING OWNER. (E)TERMINAL UNIT TO RECIEVE NEW CONTORLS.

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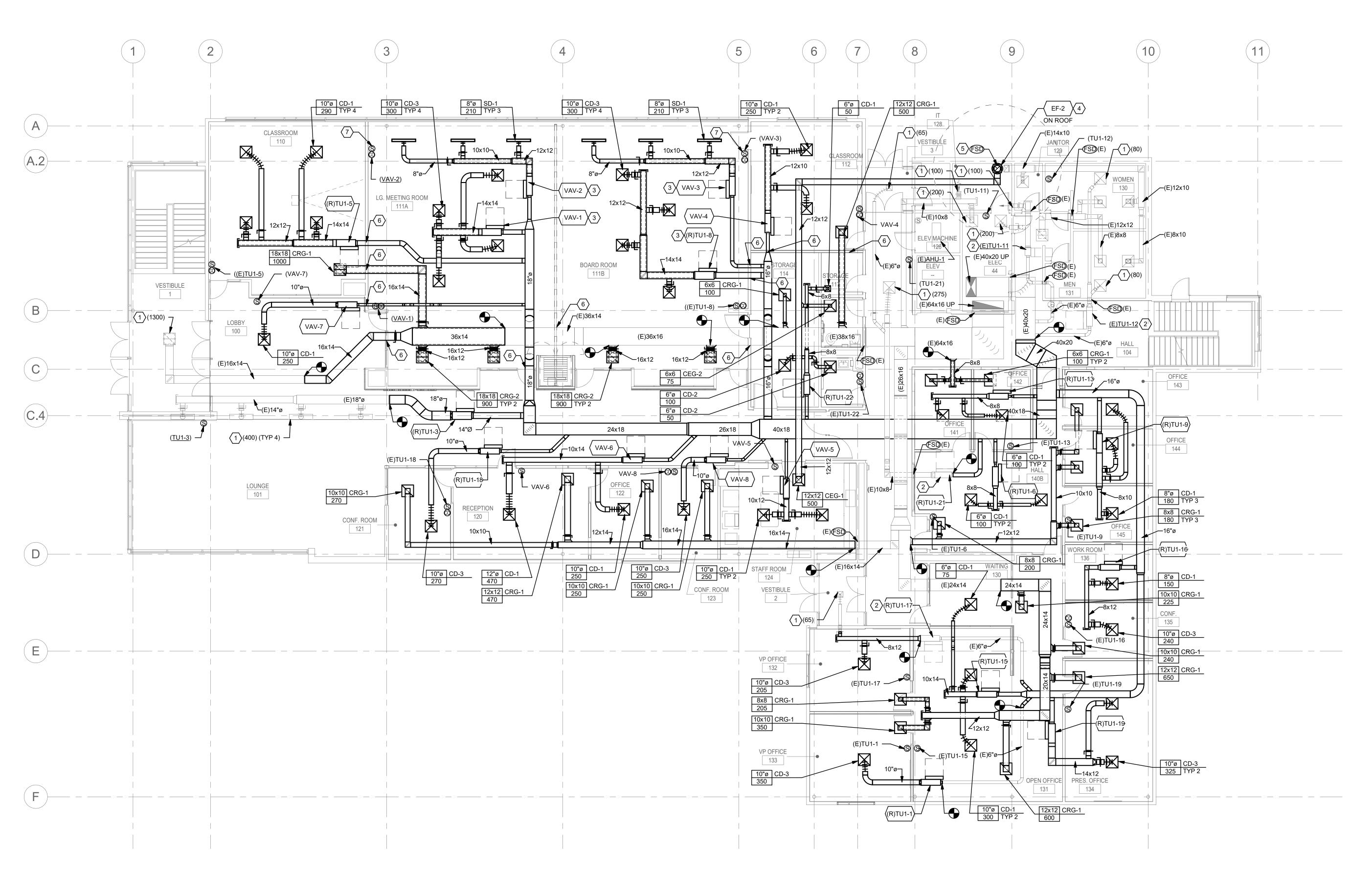
LEVEL 1 - DEMO

MECHANICAL

**PLAN** 

Sheet No.

M1.01



# LEVEL 1 MECHANICAL PLAN - OVERALL

### **GENERAL SHEET NOTES**

A. IF EXISTING TERMINAL UNIT SHOWN TO BE RELOCATED IS NOT SALVAGEABLE AND UNABLE TO BE REUSED THEN PROVIDE NEW TERMINAL UNIT TO MATCH CAPACITY.

FULLY INSULATED SYSTEM TO MEET SPEC 23 07 00.

- B. CLEAN EXISTING TERMINAL UNITS BEING RELOCATED PRIOR TO BEING INSTALLED.
- C. REPAIR EXISTING DUCTWORK INSULATION AS NECESSRY TO PROVIDE A
- D. CLEAN INTERIOR OF EXISTING DUCTWORK PRIOR TO SYSTEM START UP.
- E. FOR EXISTING TERMINAL UNITS REFER TO NEW AIRFLOW SETPOINTS LISTED IN THE EXISTING TERMINAL UNIT SCHEDULE ON SHEET M0.02.
- F. INSPECT EXISING TO REMAIN FIRE/SMOKE DAMPERS TO ENSURE PROPER OPERATION. NOTIFY OWNER OF DAMAGED DAMPERS.
- G. PROVIDE DDC CONTROL PANEL AS NESSESARY ON 1ST LEVEL.

#### ○ SHEET KEYNOTES

- 1. BALANCE (E)AIR TERMINAL TO AIRFLOW SHOWN IN ( ). CLEAN FACE OF DIFFUSER/GRILLE.
- 2. PROVIDE NEW CONTROLS FOR (E)TERMINAL UNIT. BALANCE EXISTING TERMINAL UNIT TO MATCH CONNECTED AIRFLOWS. NEW WALL MOUNTED THERMOSTAT TO REUSE (E)WALL BOX AND ASSOCIATED CONDUIT TO GREATEST EXTENT POSSIBLE.
- 3. REFER TO CONTROLS SPECIFCIATION 23 09 00 FOR ADDITIONAL INFORMATION FOR CONTROL SEQUENCE.
- 4. 12x12 EA DUCT UP TO (N)EF-2 ON ROOF. FIELD COORDINATE ROUTING THROUGH IT ROOM - 211 ON 2ND LEVEL. COORDINTE ROOF PENETRATION WITH GENERAL CONTRACTOR AND ARCHITECTURAL DRAWINGS. WORK TO MAINTAIN ANY EXISTING ROOF WARANTY.
- 5. NEW HORIZONTAL FSD AT FLOOR PENETRATION.
- 6. PROVIDE ACOUSTICAL DUCT PENETRATION SIMILAR TO DETAIL 6/M5.00
- 7. COORDINATE SENSOR LOCATIONS ON WALL WITH DROP DOWN PROJECTION SCREEN. SENSORS ARE TONOT BE COVERED BY PROJECTIONSCREEN WHEN IN USE.

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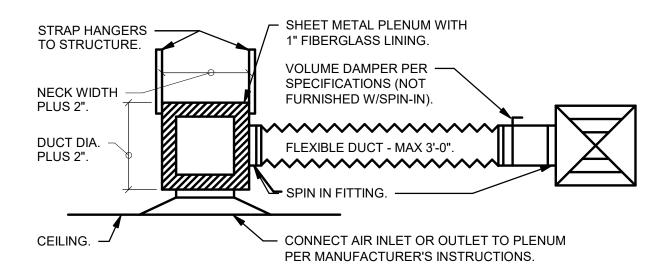
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LEVEL 1 -

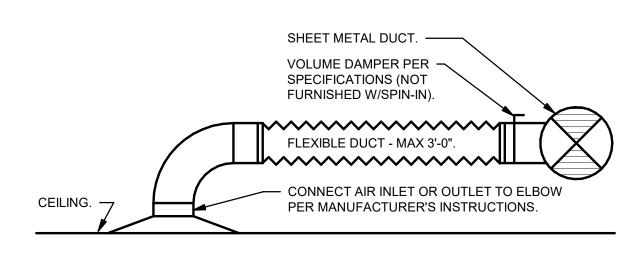
MECHANICAL PLAN

M2.01

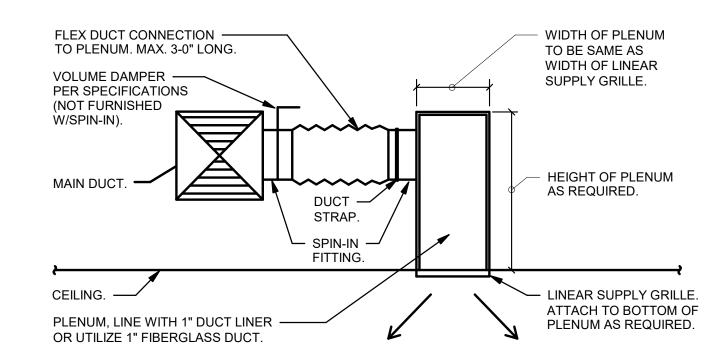


#### AIR INLET OR OUTLET SQUARE NECK

NO SCALE

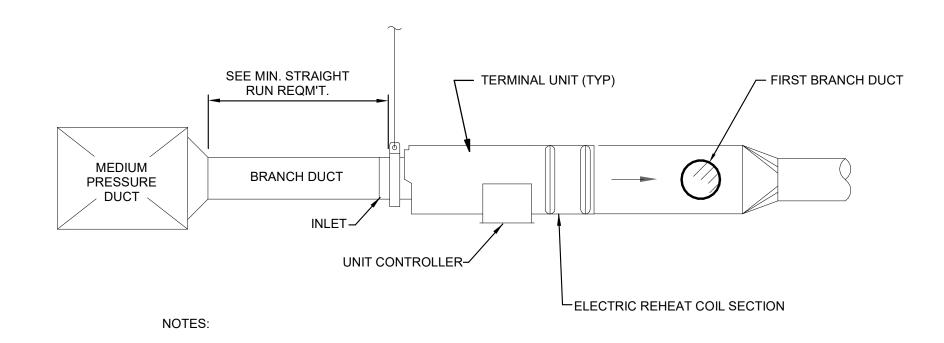


#### 2 AIR INLET OR OUTLET ROUND NECK NO SCALE



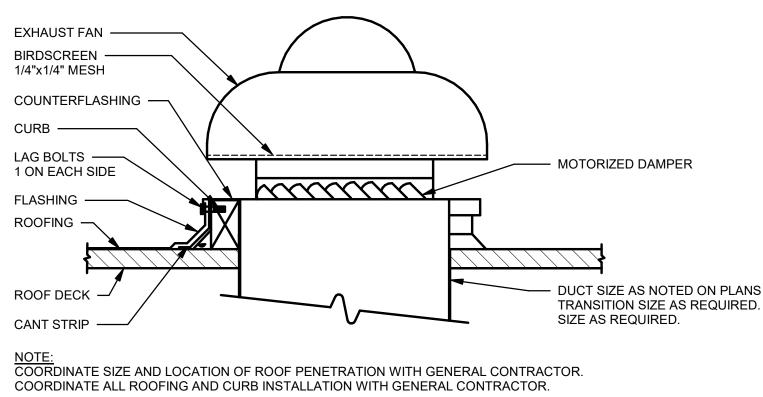
#### 3 LINEAR SUPPLY GRILLE

NO SCALE



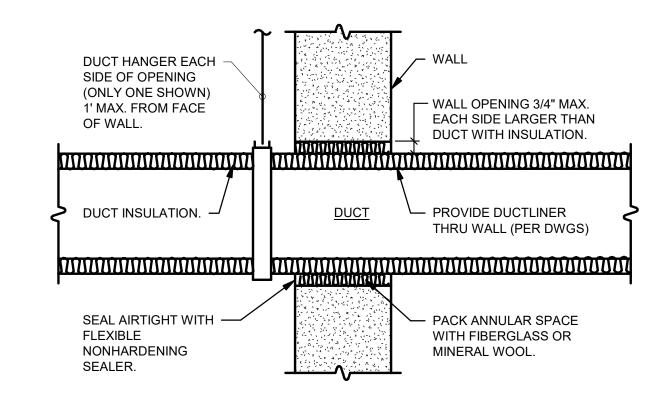
- 1. BRANCH DUCT SIZE TO MATCH UNIT INLET CONNECTION. FOR BRANCH DUCTS OVER FIVE FEET IN LENGTH, INCREASE BRANCH DUCT ONE SIZE AND PROVIDE TRANSITION IMMEDIATELY UPSTREAM OF MINIMUM STRAIGHT DUCT RUN.
- 2. MINIMUM STRAIGHT DUCT RUN TO BE AT LEAST 3 TIMES THE INLET DIAMETER OF TERMINAL UNIT.
- 3. FIRST BRANCH DUCT DOWNSTREAM OF TERMINAL MUST BE A MINIMUM OF 3 FEET DOWNSTEAM OF

#### 4 TYPICAL TERMINAL UNIT DUCTING (VAV OR CAV) NO SCALE



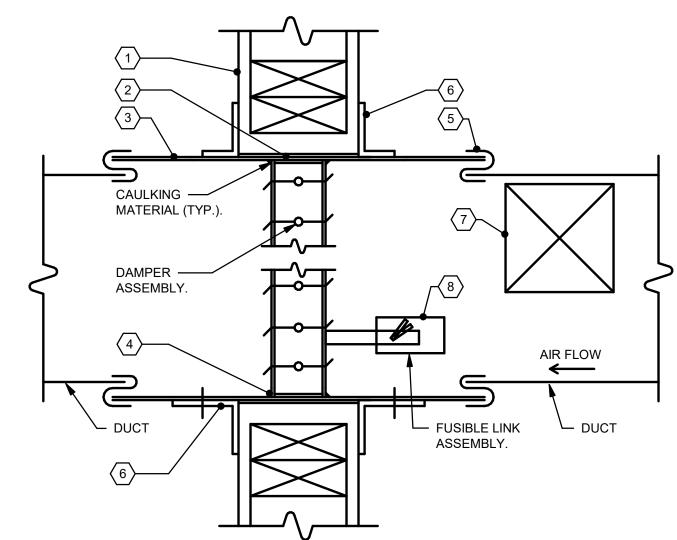
#### 5 ROOF EXHAUST FAN

NO SCALE



#### 6 ACOUSTICAL WALL DUCT PENETRATION

NO SCALE



- fire rated partition. Coordinate with architectural for framing and fire rated LINING REQUIREMENTS.
- 2 COORDINATE PARTITION OPENING, 1/8" LARGER THAN FIRE DAMPER SLEEVE PER FOOT OF WIDTH
- PROVIDE SLEEVE 3" BEYOND EDGE OF PARTITION, EACH SIDE.
- FIRE DAMPER FRAME ATTACHED TO SLEEVE BY MANUFACTURER.
- 5 "S" TYPE DUCT CONNECTION. DO NOT SCREW OR BOLT. 6 ANGLE ALL AROUND SLEEVE MINIMUM 1" OVERLAP WITH WALL FRAMING. ONE INCH FILLET WELDS 5" MAX. ON CENTER, OR 1/4" BOLTS 5" MAX. ON CENTER. DO NOT ATTACH ANGLES TO WALL. COORDINATE WITH DAMPER MANUFACTURER FOR APPROVED ANGLE SIZE AND GAUGE.
- 7 PROVIDE DUCT ACCESS DOOR. COORDINATE LOCATION AND TYPE OF ARCHITECTURAL SERVICE ACCESS WITH
- 8 DAMPER ACTUATOR. MOUNT EXTERNAL OF DUCT ON DAMPER SLEEVE. BY DAMPER MANUFACTURER.

#### **GENERAL NOTES:**

DETAIL INDICATES REQUIREMENTS FOR STANDARD FRAME INSTALLATION. REFERENCE "SMACNA FIRE, SMOKE AND RADIATION DAMPER INSTALLATION GUIDE" FOR OTHER CONFIGURATION REQUIREMENTS. COMPLY FULLY WITH ABOVE MENTIONED AND ALSO AHJ REQUIREMENTS IN ALL CASES.

#### 7 FIRE DAMPER

NO SCALE

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**PROJECT** 2021-0057 CONTACT Tyler Klarkowski 100 SW Main Street, Suite 1600 Portland, OR 97204 TEL 503.382.2266 www.interfaceengineering.com

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Sheet Title **DETAILS** -**MECHANICAL** 

M5.00

#### PLUMBING SYMBOL LIST

#### **Abbreviations**

- ADA AMERICANS WITH DISABILITIES ACT CW COLD WATER
- DN DOWN
- **EXISTING** FCO FLOOR CLEANOUT
- FD FLOOR DRAIN FS FLOOR SINK, FLOW SWITCH
- HW HOT WATER
- HOT WATER RETURN LAVATORY
- SANITARY S, SK SINK
- TYP TYPICAL WATER HAMMER ARRESTOR
- WATER HEATER, WALL HYDRANT
- TRAP PRIMER, TOTAL PRESSURE
- ⊕ FD FLOOR DRAIN

**Piping Fittings** 

<u>General</u>

XX-X LOCATION

- FLOOR SINK
- HOSE BIBB / WALL HYDRANT → PIPE DROP

DETAIL NUMBER AND SHEET LOCATION

♣ LIMITS OF DEMOLITION/POINT OF CONNECTION

EQUIPMENT IDENTIFICATION

KEYED NOTE

- TEE DOWN ON PIPE
- ——→ TEE UP ON PIPE
- TRAP PRIMER MANIFOLD

#### Piping Systems

- ——— COLD WATER PIPING
- ————— HOT WATER PIPING
- ----- SANITARY VENT PIPING
- SANITARY WASTE OR SOIL PIPING ABOVE GRADE OR FINISHED
- SANITARY WASTE OR SOIL PIPING BELOW GRADE OR FINISHED FLOOR

─────────── SHUTOFF VALVE, GENERAL

		PL	<b>LUMBIN</b>	<b>IG FIXT</b>	URE SCHEDULE					
					BASIS OF DESIGN		CONN			
SYMBOL	FIXTURE TYPE	DESCRIPTION	MFR	MODEL	ACCESSORIES	W	V	CW	HW	NOTES
FD-1	FLOOR DRAIN (FINISHED FLOORS / SHOWERS)	CAST IRON BODY, FLASHING COLLAR, 6-INCH ADJUSTABLE NICKEL BRONZE STRAINER HEAD, TRAP PRIMER	JR SMITH	2005Y- A-06- P050-NB		SEE PLANS	SEE PLANS	PRIMER CONN.		
FS-1	FLOOR SINK	CAST IRON FLANGED RECEPTOR, SEEPAGE HOLES, ACID RESISTANT COATED INTERIOR, NICKEL BRONZE RIM, LESS GRATE, ALUMINUM DOME BOTTOM STRAINER, 6-INCH DEEP	JR SMITH	3140Y-11		SEE PLANS	SEE PLANS	PRIMER CONN.		
IM-1	ICE MAKER CONNECTION BOX	ABS BOX/FRAME, NO-LEAD VALVES WITH WATER HAMMER ARRESTORS	SIOUX CHIEF	696-G1010MF				1/2"		
L-1	LAVATORY	WALL MOUNTED, VITREOUS CHINA, SINGLE HOLE PUNCH, FRONT OVERFLOW	AMERICAN STANDARD	0356.421	FAUCET (SENSOR - BATTERY): CHICAGO 116.221.AB.1. WITH TEMPERATURE CONTROL MIXER, PROVIDE WITH ASSE 1070 COMPLIANT ANTI-SCALD MIXING VALVE.	1-1/2"	1-1/2"	1/2"	1/2"	
S-1	SINK	COUNTERTOP, ADA COMPLIANT, SINGLE BOWL, 18 GAUGE STAINLESS STEEL, 19-INCHES X 18-INCHES X 6-1/2-INCHES DEEP, 18-INCH MINIMUM CABINET SIZE, 3-HOLE PUNCH	ELKAY	LRAD191865PD	FAUCET (5-INCH GOOSENECK WRISTBLADE): CHICAGO 786-E35-319ABCP	2"	1-1/2"	1/2"	1/2"	
S-2	SINK	COUNTERTOP, SINGLE BOWL, 18 GAUGE STAINLESS STEEL, 33-INCHES X 22-INCHES X 10-INCHES DEEP, 36-INCH MINIMUM CABINET SIZE, 2-HOLE PUNCH	ELKAY	DLRS332210PD	FAUCET: 8-INCH RIGID/SWING GOOSE NECK SPOUT, 8-INCH FIXED CENTERS AND SIDE SPRAY UNIT, WRISTBLADE HANDLES, ADA COMPLIANT, 1.5 GPM AERATED FLOW RATE, CHICAGO FAUCETS MODEL 1102-GNBAE35-317AB	2"	1-1/2"	1/2"	1/2"	INSTALL SINK WITH RIM AT 34" MAXIMUM HEIGHT AND FAUCET WITH CONTROLS AT MAXIMUM 46" HEIGHT TO MEET ADA OBSTRUCTED HIGH SIDE REACH REQUIRMENTS
WC-1	WATER CLOSET	WALL MOUNTED, VITREOUS CHINA, TOP SPUD, FLUSHOMETER BARRIER FREE, MOUNTING HEIGHT	AMERICAN STANDARD	2257.101	FLUSH VALVE (BATTERY - 1.28 GPF, DIAPHRAGM): SLOAN 111 SFSM-1.28 WITH TRUE MECHANICAL OVERRIDE. SEAT: BEMIS 1655SSCT.	4"	2"	1"		
WH-1	WALL HYDRANT	ENCASED, NON-FREEZE, ANTI-SIPHON, AUTOMATIC DRAINING, CHROME PLATED BOX/DOOR ASSEMBLY, DOUBLE CHECK BACKFLOW PREVENTER	WOODFORD	B67-P				3/4"		INSTALL WITH BOTTOM AT 18" ABOVE FINISHED GRADE (ADJUST HEIGHT AS REQUIRED BASED ON EXISTING EXTERIOR). COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION.

PLUMBING DEVICES SCHEDULE									
				BASIS	OF DESIGN				
SYMBOL	FIXTURE TYPE	DESCRIPTION	MFR	MODEL	ACCESSORIES	NOTES			
BFP-1	REDUCED PRESSURE ZONE BACKFLOW PREVENTER	LEAD FREE CAST COPPER SILICON ALLOY BODY CONSTRUCTION	WATTS	LF009	AIR-GAP FITTING				
WHA-1	WATER HAMMER ARRESTOR	PISTON TYPE WATER HAMMER ARRESTOR, TYPE 'L' HARD DRAWN COPPER BARREL, EPDM O-RINGS, MAINTENANCE FREE	PRECISION PLUMBING PRODUCTS	SC SERIES		SIZE PER PDI STANDARDS			

	PLUMBING EQUIPMENT SCHEDULE										
		LOCATION/	BASIS OF	DESIGN	ELE	CTRIC	AL				
SYMBOL	EQUIPMENT TYPE	SERVING	MFR	MODEL	VOLTS	PH	AMPS	NOTES			
TP-1	ELECTRONIC TRAP PRIMER VALVE IN BOX	STAFF ROOM - 123 / DRAIN TRAP	PRECISION PLUMBING PRODUCTS	MPB-500	120	1	2	INSTALL RECESSED IN WALL IN MANUFACTUER'S BOX OR PROVIDE AN ACCESS PANEL. PAINT COVER TO MATCH WALL, COORDINATE WITH ARCHITECT.			

#### **GENERAL PLUMBING NOTES**

- A. ALL WORK UNDER THIS CONTRACT SHALL CONFORM TO THE CURRENT STATE, COUNTY AND NATIONAL CODES AND STANDARDS ADOPTED BY THE LOCAL JURISDICTIONS INCLUDING APPLICABLE AMENDMENTS.
- B. CONDITIONS SHOWN ON THE PLANS RELATIVE TO THE WORK TO BE PERFORMED ARE BASED ON THE BEST INFORMATION AVAILABLE AND SUBJECT TO VERIFICATION. VERIFY LOCATIONS AND ELEVATIONS OF UTILITIES TO BE CROSSED OR CONNECTED. CORRECT DEFICIENCIES CAUSED BY FAILURE TO PERFORM SUCH VERIFICATIONS AT NO EXPENSE TO THE OWNER. IMMEDIATELY NOTIFY ARCHITECT AND ENGINEER OF THE CONDITION IN CONFLICT WITH THE DETAILS/PLANS.
- C. COORDINATE INSTALLATION OF PIPING, FIXTURES, EQUIPMENT AND THE LIKE BELOW AND ABOVE GRADE WITH STRUCTURAL COMPONENTS AND ALL OTHER SYSTEM INSTALLATIONS.
- D. COORDINATE FIXTURES, EQUIPMENT, PIPE ROUGH-IN/CONNECTION LOCATIONS AND DRAIN LOCATIONS WITH ARCHITECTURAL DRAWINGS.
- E. INSTALL VALVES FOR SERVICE ACCESSIBILITY. VALVES INSTALLED ABOVE THE CEILING SHALL BE WITHIN 18" OF THE CEILING.
- F. INSTALL ALL WASTE PIPING AT A MINIMUM SLOPE OF 1/4" PER FOOT, UNLESS NOTED OTHERWISE.
- G. EXCEPT FOR SHOWER DRAINS, ALL FLOOR DRAINS, FLOOR SINKS, AND OTHER INDIRECT WASTE RECEPTORS DIRECTLY CONNECTED TO THE DRAINAGE SYSTEM SHALL BE PROVIDED WITH AN AUTOMATIC TRAP PRIMER.
- H. PERMANENT VACUUM BREAKERS SHALL BE INCLUDED ON ALL HOSE BIBBS.
- I. PRIOR TO BEING CONCEALED, PIPING PENETRATIONS AT THE FIRE RESISTIVE ASSEMBLIES SHALL BE
- INSPECTED TO VERIFY COMPLIANCE WITH THE FIRE RESISTANCE RATING.
- J. INDIRECT WASTE SHALL DISCHARGE TO THE BUILDING DRAINAGE THROUGH AN APPROVED AIR GAP OR AIR BREAK WITH A MINIMUM 1" DISTANCE FROM THE LOWEST POINT OF INDIRECT PIPE TO THE FLOOD LEVEL RIM OF THE RECEPTOR.

#### **SHEET INDEX**

- P0.01 SYMBOLS, GENERAL NOTES & SCHEDULES PLUMBING
- P1.01 LEVEL 1 PLUMBING DEMOLITION PLAN
- P2.00 UNDERGROUND PLUMBING PLAN P2.01 LEVEL 1 - PLUMBING PLAN

ASSOCIATE ARCHITECT **GOES HERE** 

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Project Name: CCC Rook TI

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INTERFACE ENGINEERING

**PROJECT** 2021-0057 CONTACT Tracy Bethel 100 SW Main Street, Suite 1600 Portland, OR 97204 TEL 503.382.2266 www.interfaceengineering.com

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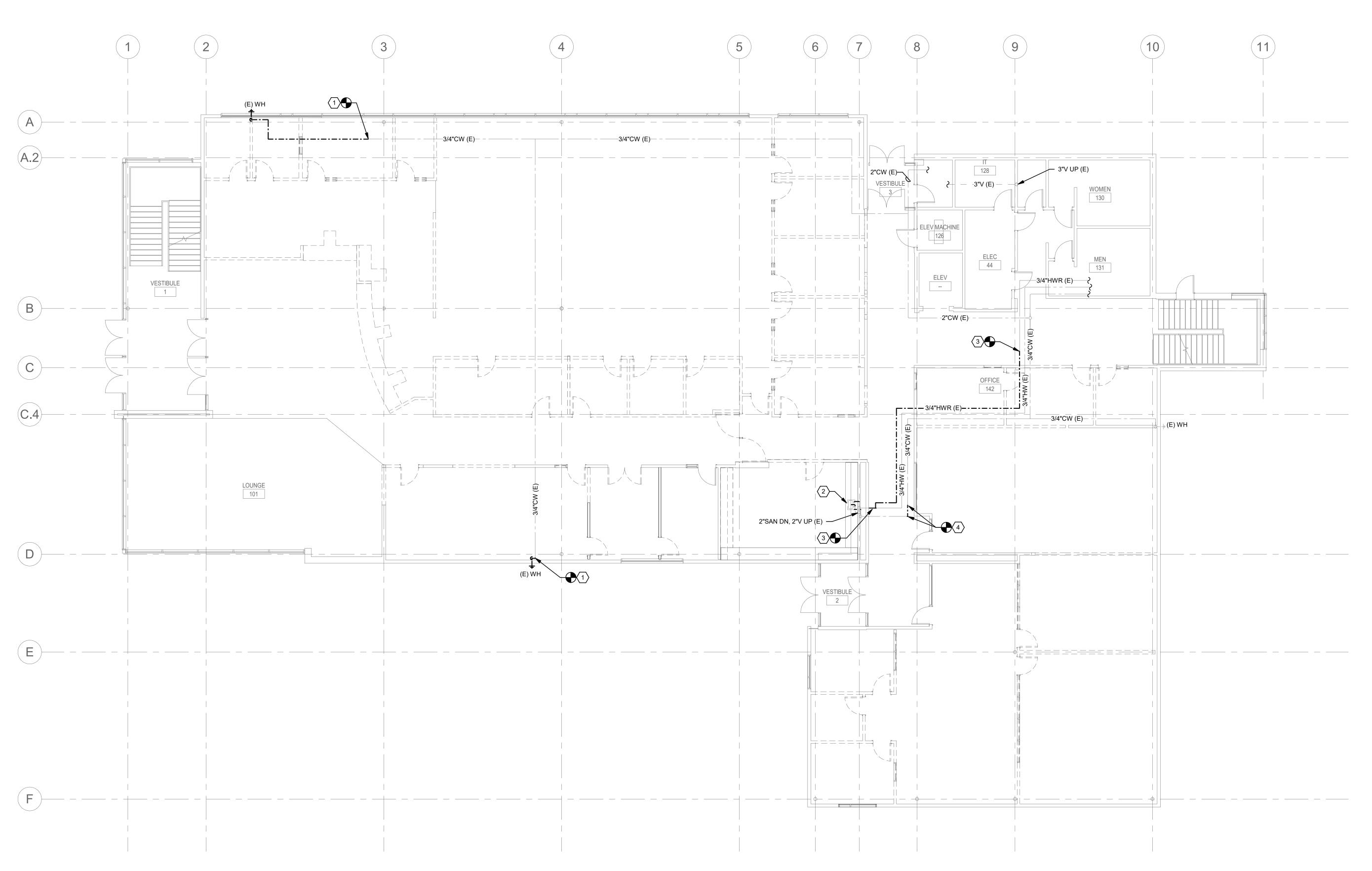
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Sheet Title SYMBOLS, GENERAL NOTES & SCHEDULES -

**PLUMBING** 

P0.01



# 1 LEVEL 1 DEMO PLUMBING PLAN - OVERALL 0' 4' 8' 16'

### **GENERAL SHEET NOTES**

- A. EXISTING PLUMBING PIPING SYSTEMS, PLUMBING FIXTURES, DRAINS, EQUIPMENT / DEVICES TO REMAIN UNLESS NOTED OTHERWISE. WHERE EXISTING SYSTEMS ARE DEMOLISHED, DEMOLISH TO BEHIND FINISHED SURFACES (FLOOR, WALLS, CEILING, ETC.), UNLESS STATED OTHERWISE TO REMAIN OR TO BE PROVIDED TO THE OWNER. CAP PIPING AND PATCH SURFACE(S) TO MATCH EXISTING. REFER TO ARCHITECTURAL DEMOLITION DRAWINGS FOR COORDINATION.
- B. COORDINATE DEMOLITION, CUTTING, PATCHING, ETC., WITH GENERAL CONTRACTOR AND EXISTING FIELD CONDITIONS PRIOR TO SUBMITTING CONSTRUCTION CONTRACT BIDS. SEE SPECIFICATIONS GENERAL PROVISIONS. REFER TO EXISTING DESIGN OR AS-BUILT DRAWINGS AND WALK THE SITE TO VERIFY THE EXTENT OF DEMOLITION REQUIRED.
- C. COORDINATE THE DEMOLITION REQUIREMENTS OF OTHER DISCIPLINES INCLUDING ELECTRICAL AND MECHANICAL, CONTROLS, STUCTURAL, AND ARCHITECTURAL.
- D. STORE AND PROTECT ANY DEVICES / EQUIPMENT TO BE PROVIDED TO THE OWNER UNTIL SUCH TIME AS IT IS TURNED OVER TO THE OWNER.

#### ○ SHEET KEYNOTES

- REMOVE EXISTING WALL HYDRANT AND COLD WATER PIPING BACK TO ABOVE THE CEILING AT POINT SHOWN AS REQUIRED FOR NEW WALL HYDRANT AND WATER PIPING INSTALLATION. SEE DRAWING P2.01 FOR NEW WORK REQUIREMENTS. PATCH EXTERIOR WALL TO MATCH EXISTING SURROUNDING CONDITIONS, COORDINATE WITH ARCHITECT.
- REMOVE EXISTING SINK AND ALL ASSOCIATED APPURTENANCES AS REQUIRED FOR NEW SINK INSTALLATION. SEE DRAWING P2.01 FOR NEW WORK REQUIREMENTS.
- 3. REMOVE EXISTING HOT WATER RETURN PIPING BETWEEN POINTS SHOWN AS REQUIRED FOR HOT WATER SUPPLY PIPING EXTENSION TO NEW FIXTURES. SEE DRAWING P2.01 FOR NEW WORK REQUIREMENTS.
- 4. REMOVE EXISTING COLD WATER PIPING AS REQUIRED FOR NEW COLD WATER PIPING AND VALVE INSTALLATION. SEE DRAWING P2.01 FOR NEW WORK REQUIREMENTS.

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INTERFACE ENGINEERING

PROJECT 2021-0057

CONTACT Tracy Bethel

100 SW Main Street, Suite 1600
Portland, OR 97204

TEL 503.382.2266

www.interfaceengineering.com

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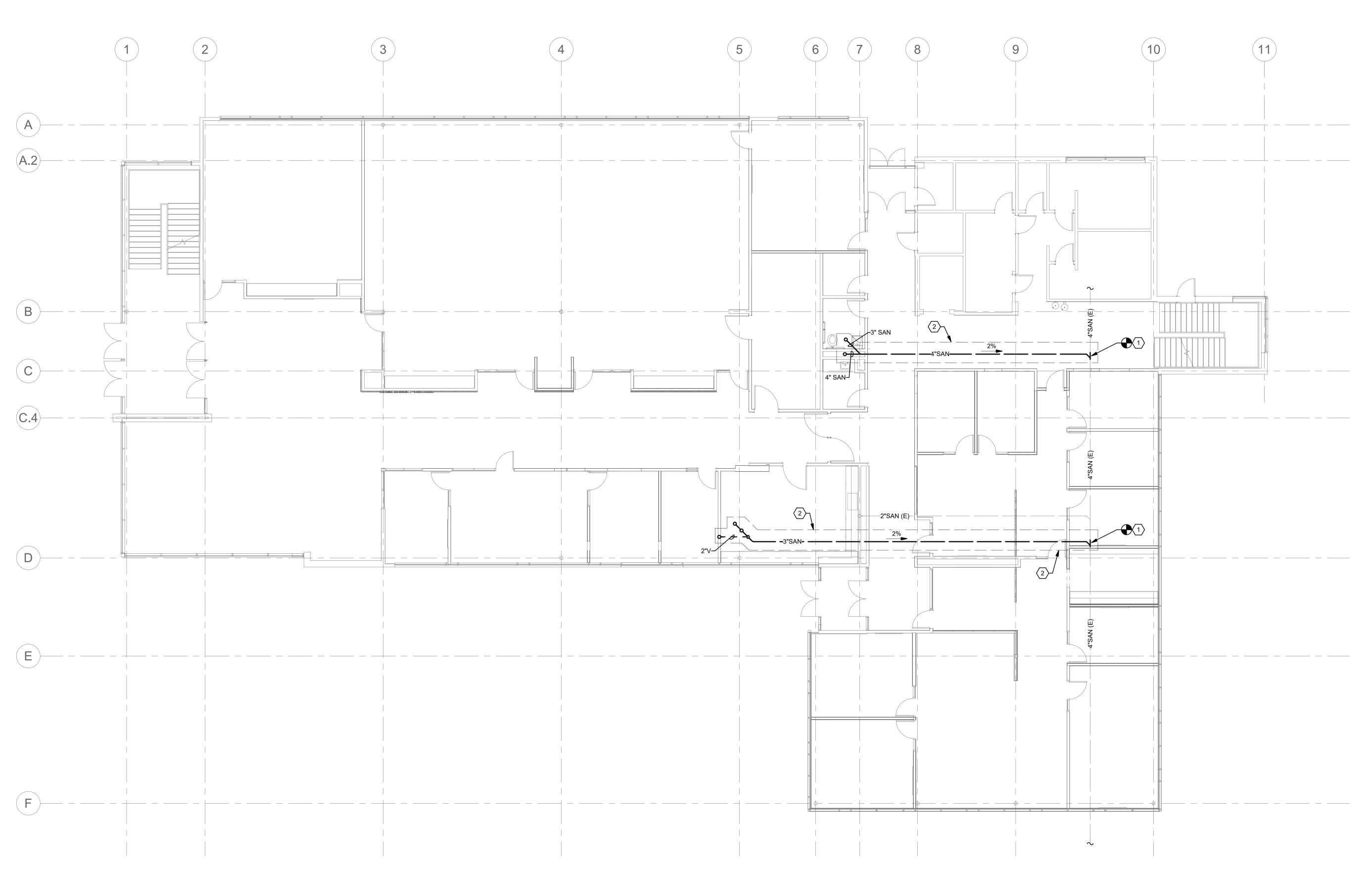
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Date: 11/15/2021
Sheet Title
LEVEL 1 PLUMBING

PLUMBING DEMOLITION PLAN

P1.01

No. **4793-01** 



# 1 LEVEL 1 PLUMBING UNDERGROUND PLAN - OVERALL

### **GENERAL SHEET NOTES**

A. EXISTING UNDERGROUND PIPING LOCATIONS, SIZES AND DEPTH SHOWN IS BASED ON AS-BUILT INFORMATION AND HAS NOT BEEN VERIFIED. CONTRACTOR IS REQUIRED TO ENGAGE A UTILITY LOCATOR TO DETERMINE LOCATION, SIZE AND DEPTH PRIOR TO BEGINNING WORK. CONTRACTOR SHALL ANTICIPATE PIPE ROUTING SHOWN MAY BE REQUIRED TO BE ADJUSTED BASED ON ACTUAL

UTILITY LOCATIONS AND CONNECTION POINTS.

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### ○ SHEET KEYNOTES

 CONNECT NEW SANITARY SEWER PIPING TO EXISTING SANITARY SEWER PIPING BELOW THE FLOOR THIS APPROXIMATE LOCATION. FIELD VERIFY AND UTILIZE UTILITY LOCATION INFORMATION TO DETERMINE CONNECTION LOCATION PRIOR TO BEGINNING WORK.

2. OUTLINE REPRESENTS THE APPROXIMATE EXTENT OF EXISTING FLOOR SLAB REMOVAL REQUIRED FOR NEW PIPING INSTALLATION. COORDINATE WITH OWNER/ARCHITECT AND EXISTING CONDITIONS. CONTRACTOR TO ENGAGE A UTILITY LOCATION SERVICE TO VERIFY UTILITY LOCATION/POINT-OF-CONNECTION INFORMATION PRIOR TO BEGINNING WORK. PATCH FLOOR SLAB AS REQUIRED TO MATCH EXISTING SURROUNDING CONDITIONS AFTER PIPING INSTALLATION.

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TEL 503.382.2266

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0.1

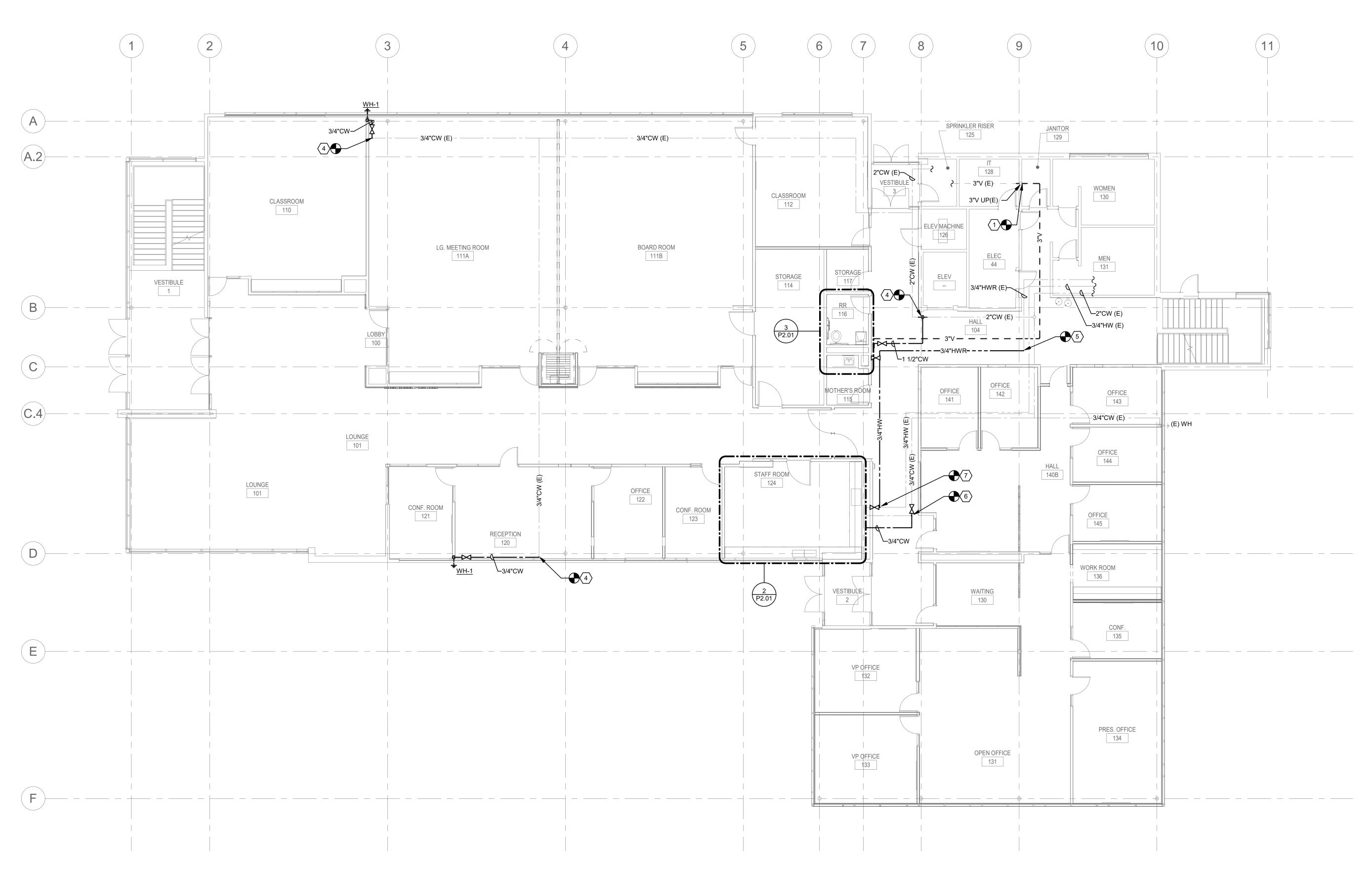
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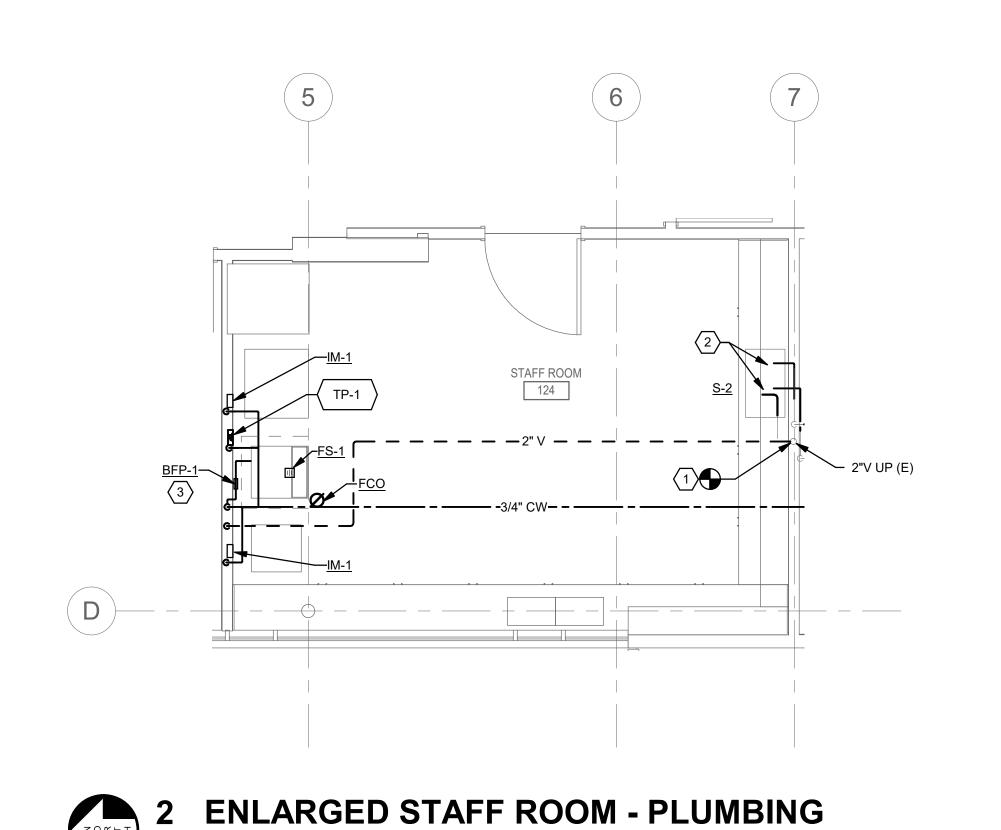
Sheet Title
UNDERGROUND

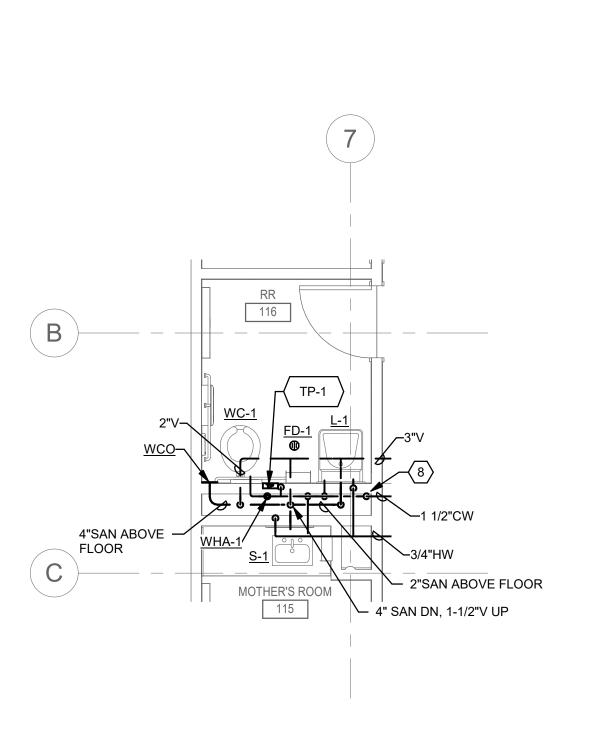
UNDERGROUN - PLUMBING PLAN

P2.00



# 1 LEVEL 1 PLUMBING PLAN - OVERALL 0' 4' 8' 16'







### ○ SHEET KEYNOTES

- CONNECT NEW VENT PIPING TO EXISTING VENT PIPING ABOVE THE CEILING THIS APPROXIMATE LOCATION.
- MODIFY EXISTING PIPING AS REQUIRED FOR CONNECTION TO NEW SINK. PROVIDE NEW SUPPLY STOPS, HOT & COLD RISER, AND TRAP.
- AND TRAP.

  3. ROUTE 1/2" COLD WATER PIPING DOWN IN WALL TO BACKFLOW PREVENTER (BFP-1) PRIOR TO CONNECTION WITH ICE MACHINE. LOCATE BFP-1 IN AN ACCESSIBLE LOCATION AND ROUTE DISCHARGE PIPING WITH A FIXED AIR-GAP FITTING TO INDIRECT
- REQUIREMENTS WITH ICE MACHINE MANUFACTURER AND LOCATION WITH OWNER/ARCHITECT PRIOR TO INSTALLATION.

  4. CONNECT NEW COLD WATER PIPING TO EXISTING COLD WATER PIPING ABOVE THE CEILING THIS APPROXIMATE LOCATION.
- 5. CONNECT NEW HOT WATER RETURN PIPING TO EXISTING HOT WATER RETURN PIPING ABOVE THE CEILING THIS APPROXIMATE LOCATION.

DISCHARGE AT FLOOR SINK. COORDINATE CONNECTION

- CONNECT NEW COLD WATER PIPING TO EXISTING COLD WATER PIPING ABOVE THE CEILING THIS APPROXIMATE LOCATION. PROVIDE NEW ISOLATION VALVE AS SHOWN.
- CONNECT NEW HOT WATER PIPING TO EXISTING HOT WATER PIPING ABOVE THE CEILING THIS APPROXIMATE LOCATION.
- 8. FULL SIZE HEADER WITHIN CHASE TO FIXTURE CONNECTIONS.

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Date: 11/15/2021

Sheet Title
LEVEL 1 PLUMBING PLAN

P2.01

4793-01

plotted: **11/12/2021 9:25:13 A** sheet size: 30" x 42"

#### **TECHNOLOGY SYMBOL LIST**

#### NOTE: This is a standard symbol list and not all items listed may be used. <u>Abbreviations</u> ABOVE FINISHED FLOOR AFF AUDIO VISUAL ATS AUTOMATIC TRANSFER SWITCH BARE COPPER CABLE TELEVISION CATEGORY CIRCUIT BREAKER CCTV CLOSED CIRCUIT TELEVISION COAX COAXIAL COM COMMUNICATION CONDUIT CFCI CONTRACTOR FURNISHED CONTRACTOR INSTALLED CONTRACTOR FURNISHED OWNER INSTALLED CNTL CONTROL CPT CONTROL POWER TRANSFORMER CR CONTROL RELAY CURRENT TRANSFORMER DEMOLISH EACH **EMERGENCY EXISTING** FIBER OPTIC CONNECTOR FIBER OPTIC CONNECTOR FIBER OPTIC DISTRIBUTION UNIT FINISH FLOOR FIRE ALARM FACP FIRE ALARM CONTROL PANEL FOOT, FEET FUTURE GALVANIZED RIGID STEEL CONDUIT GEL-FILLED UNDERGROUND CABLE G, GND GROUND HANDHOLE HH INCH, INCHES INFORMATION TECHNOLOGY INTERMEDIATE DISTRIBUTION FRAME INTERMEDIATE METAL CONDUIT LAN LOCAL AREA NETWORK LOW VOLTAGE MDF MAIN DISTRIBUTION FRAME MSB MAIN SWITCHBOARD MANUAL TRANSFER SWITCH MASTER ANTENNA TELEVISION MISCELLANEOUS MOTOR NEW NORMALLY CLOSED NORMALLY OPEN NOT APPLICABLE NOT TO SCALE OUTSIDE PLANT OWNER FURNISHED, CONTRACTOR INSTALLED OFOI OWNER FURNISHED, OWNER INSTALLED PTZ PAN, TILT, ZOOM PNL PANEL PVC POLY-VINYL-CHLORIDE POE POWER OVER ETHERNET PBX PRIVATE BRANCH EXCHANGE

QTY QUANTITY

TELE TELEPHONE

TYP TYPICAL

W/ WITH W/O WITHOUT

WI-FI

RM ROOM

RFI REQUEST FOR INFORMATION

TTB TELEPHONE TERMINAL BOARD

UON UNLESS OTHERWISE NOTED

WIRELESS FIDELITY

WP WEATHERPROOF WAN WIDE AREA NETWORK

UPS UNINTERRUPTABLE POWER SUPPLY

WIRELESS ACCESS POINT

TBB TELECOMMUNICATIONS BONDING BACKBONE TGB TELECOMMUNICATIONS GROUNDING BUS BAR

Audio/Video	
АМР	AMPLIFIER
	CEILING MOUNTED PROJECTOR AND BRACKET
♥	FLUSH MOUNTED AUDIO REINFORCEMENT SPEAKER IN CEILING WITH 1" C TO ACCESSIBLE CEILING AND CABLING PER SPECIFICATIONS
<b></b>	SURFACE MOUNTED AUDIO REINFORCEMENT SPEAKER ON WALL WITH 1" C TO ACCESSIBLE CEILING AND CABLING PER SPECIFICATIONS
TV	TELEVISION OUTLET, WITH 1" C TO ACCESSIBLE CEILING AND RG-6 CABLE TO NEAREST TELECOM ROOM
Electronic Se	ecurity
ACP	ACCESS CONTROL MASTER PANEL
<b>(</b>	DOOR POSITION SWITCH/CONTACT WITH 3/4" C TO ACCESSIBLE CEILING AND CABLING TO NEAREST TELECOM ROOM
ES	ELECTRIC STRIKE DOOR LOCKS WITH 3/4" C TO ACCESSIBLE CEILING AND CABLING TO NEAREST TELECOM ROOM
REX	REQUEST TO EXIT DEVICE WITH 3/4" C TO ACCESSIBLE CEILING AND CABLING TO NEAREST TELECOM ROOM
© <b>→</b>	VIDEO SURVEILLANCE CAMERA WITH 1" C TO ACCESSIBLE CEILING SPACE AND (1) CATEGORY 6 CABLE TO NEAREST TELECOM ROOM. REFER TO CAMERA SCHEDULE FOR CAMERA TYPES
С	WALL MOUNTED ACCESS CONTROL CARD READER WITH 3/4" C TO ACCESSIBLE CEILING AND CABLING TO NEAREST TELECOM ROOM
Paging/Interd	<u>com</u>
$\Phi$	BUILDING INTERCOM CALL BUTTON WITH 3/4"C TO ACCESSIBLE CEILING SPACE AND CABLING PER SPECIFICATIONS. MOUNT 48" AFF.
<u>Telecommun</u>	<u>ications</u>
	ALTERNATE COMMUNICATIONS OUTLET (X):  A = ABOVE COUNTER WITH (3) CAT6A CABLE(S) TO NEAREST TELECOM ROOM AND 1"C. TO ACCESSIBLE CEILING SPACE.  C = SINGLE GANG BOX, FLUSH IN CEILING, MOUNTED TO TILE

BRIDGE WITH (2) CAT6A CABLE(S) TO NEAREST TELECOM

T = TAMPER RESISTANT WITH (3) CAT6A CABLE(S) TO NEAREST

W= LOCATION FOR FLUSH MOUNT WIRELESS ACCESS POINT

OUTLET WITH (2) CAT6A CABLE TO NEAREST TELECOM ROOM

# = XX CAT 6A CABLES TO NEAREST TELECOM ROOM AND 1" C

TELECOM ROOM AND 1"C. TO ACCESSIBLE CEILING SPACE.

AND 1"C. ACCESSIBLE CEILING SPACE, UON.

TO ACCESSIBLE CEILING SPACE

## **GENERAL TECHNOLOGY NOTES**

- A. COMMUNICATIONS RACEWAYS, TRAYS, AND OUTLETS ARE SHOWN DIAGRAMMATICALLY. LOCATIONS ARE APPROXIMATE UNLESS SPECIFICALLY DIMENSIONED. FIELD COORDINATE ALL WORK WITH OTHER TRADES.
- B. CONSTRUCTION DETAILS SHOW TYPICAL INSTALLATION, UON, AND APPLY TO ALL COMMUNICATIONS WORK INCLUDED IN THE SUMMARY OF WORK FOR THIS PACKAGE EVEN THOUGH NOT SPECIFICALLY REFERENCED ON THE PLAN
- C. THE TECHNOLOGY DRAWINGS ARE PART OF A LARGER SET OF DRAWINGS WHICH, WHEN COMPLETE, CONSISTS OF DRAWINGS LISTED BY THE "INDEX OF DRAWINGS." PARTIAL SETS OF DRAWINGS NOT INCLUSIVE OF ALL DISCIPLINES ARE INCOMPLETE AND SHOULD NOT BE DISTRIBUTED OR UTILIZED.
- D. INSTALL PULLSTRINGS IN ALL CONDUITS AT THE TIME OF CONDUIT AND CABLE INSTALLATION.
- E. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHT OF ALL TECHNOLOGY DEVICES.
- F. ALL SURFACE MOUNTED DEVICES LOCATED WITHIN ACCESSIBLE SPACES TO BE DRAWN TYPE.
- G. IN FINISHED INTERIOR AREAS, RUN ALL CONDUITS CONCEALED, UNLESS OTHERWISE NOTED. SURFACE CONDUIT OR RACEWAY IS NOT PERMISSIBLE.

### **GENERAL TECHNOLOGY DEMOLITION NOTES**

- A. ALL UNUSED CONDUIT, LOOSE MC, HANGERS, ETC., SHALL BE REMOVED FROM THE CEILING SPACE. THE INTENT IS TO KEEP THE CEILING SPACE CLEAN.
- B. ALL SUPPLEMENTARY ELECTRICAL, POWER CONDUIT AND WIRE RISERS AND COMMUNICATIONS CONDUIT AND CABLING RISERS BETWEEN FLOORS NOT REQUIRED SHALL BE REMOVED.
- C. THE CONTRACTOR SHALL SEAL ALL UNUSED OPENINGS DUE TO TECHNOLOGY DEMOLITION TO ENSURE THAT FIRE-RESISTANCE IS MAINTAINED. FIRE STOPPING CAULKING PRODUCT SHALL BE NUCO INC. TYPE GG-200 SELF
- D. PROVIDE AND INSTALL BLANK COVERPLATES FOR DEVICES SHOWN TO BE
- E. COORDINATE WITH THE SCHOOL PRIOR TO THE COMMENCEMENT OF THE

REMOVED.

F. ENSURE THAT BASE BUILDING WIRING SUCH AS CONTROL WIRING, ETC. IS NOT

#### **TECHNOLOGY SCOPE OF WORK SUMMARY**

- A. PROVIDE SEPARATE PRICE FOR THE SUPPLY AND INSTALLATION OF THE COMPLETE CAT. 6A HORIZONTAL CABLING. CONDUIT ROUGH-IN ONLY IS TO FORM PART OF THE BASE-BID.
- B. PROVIDE SEPARATE PRICE FOR THE SUPPLY AND INSTALLATION OF THE ACCESS CONTROL DEVICES WIRING AND CONTROL PANEL UPGRADES OR MODIFICATIONS NECESSARY TO ACCOMODATE (4) ADDITIONAL DOORS AS INDICATED ON THE DRAWINGS. CONDUIT ROUGH-IN ONLY IS TO FORM PART OF THE BASE-BID.

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**SHEET INDEX** 

T0.01 SYMBOL LIST AND GENERAL NOTES - TECHNOLOGY

T1.01 LEVEL 1 - DEMO TECHNOLOGY PLAN

T2.01 LEVEL 1 - TECHNOLOGY PLAN

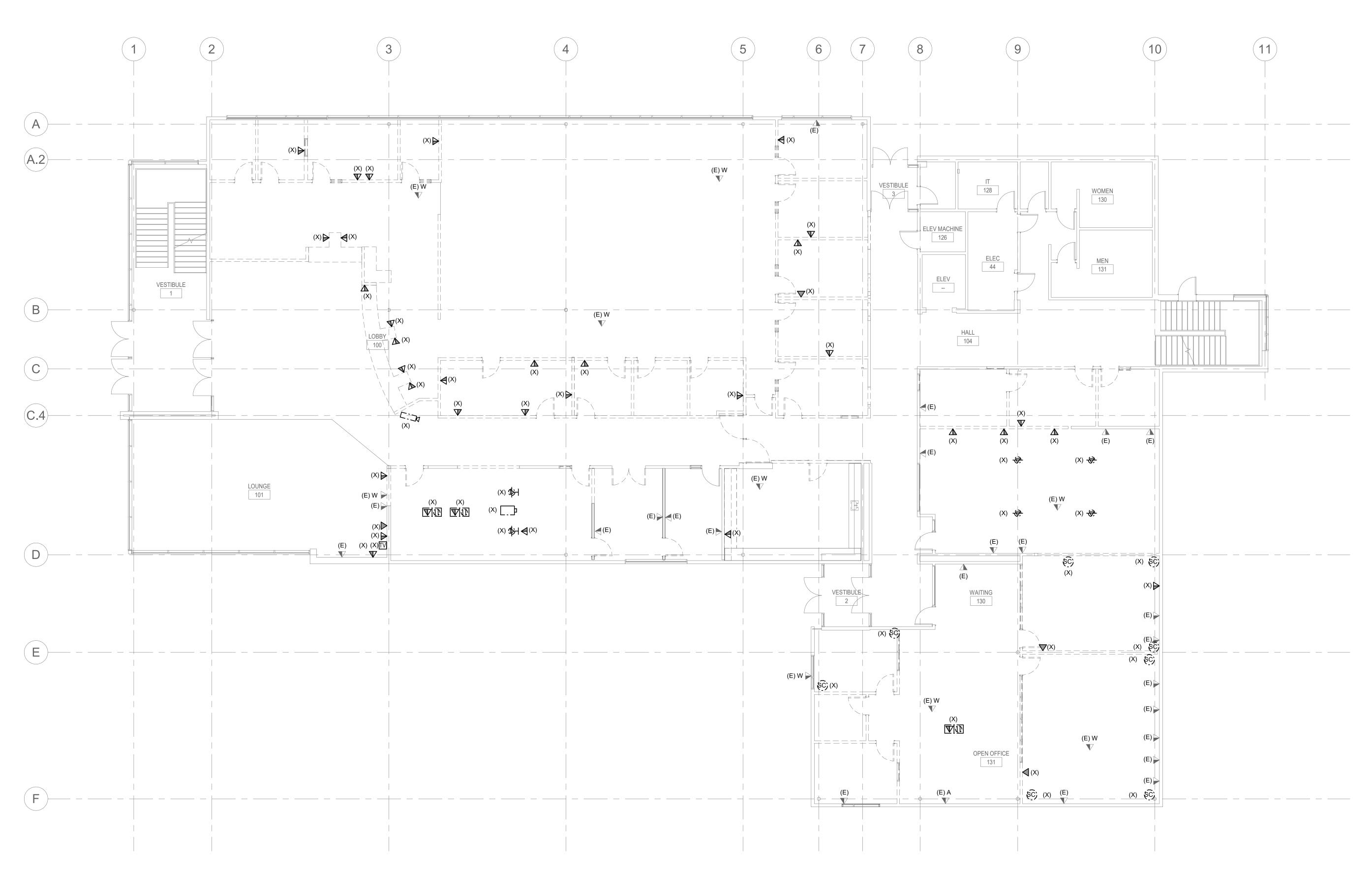
T5.00 DETAILS - TECHNOLOGY

**BID SET** 

11/15/2021

Sheet Title SYMBOL LIST **AND GENERAL** NOTES -**TECHNOLOGY** 

T0.01



# LEVEL 1 DEMO TECHNOLOGY PLAN - OVERALL

## **GENERAL SHEET NOTES**

- A. LEAVE AS EXISTING TO REMAIN ANY LOW VOLTAGE WIRING IN CEILING SPACES THAT HAD BEEN LEFT AS THE RESULT OF TELECOMMUNICATION DEVICES BEING DEMOLISHED.
- B. ALL EXISTING CAMERAS ARE TO BE DEMOLISHED, RETURNED TO OWNER; COORDINATE WITH OWNER.



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Project Owner: **CLACKAMAS COMMUNITY COLLEGE** 

Project Name: **CCC Rook TI** 

Project Adress: 19600 Molalla Avenue Oregon City, OR, 97045 Key Plan

INTERFACE ENGINEERING

**PROJECT** 2021-0057 CONTACT Alex Magee 100 SW Main Street, Suite 1600 Portland, OR 97204 TEL 503.382.2266 www.interfaceengineering.com

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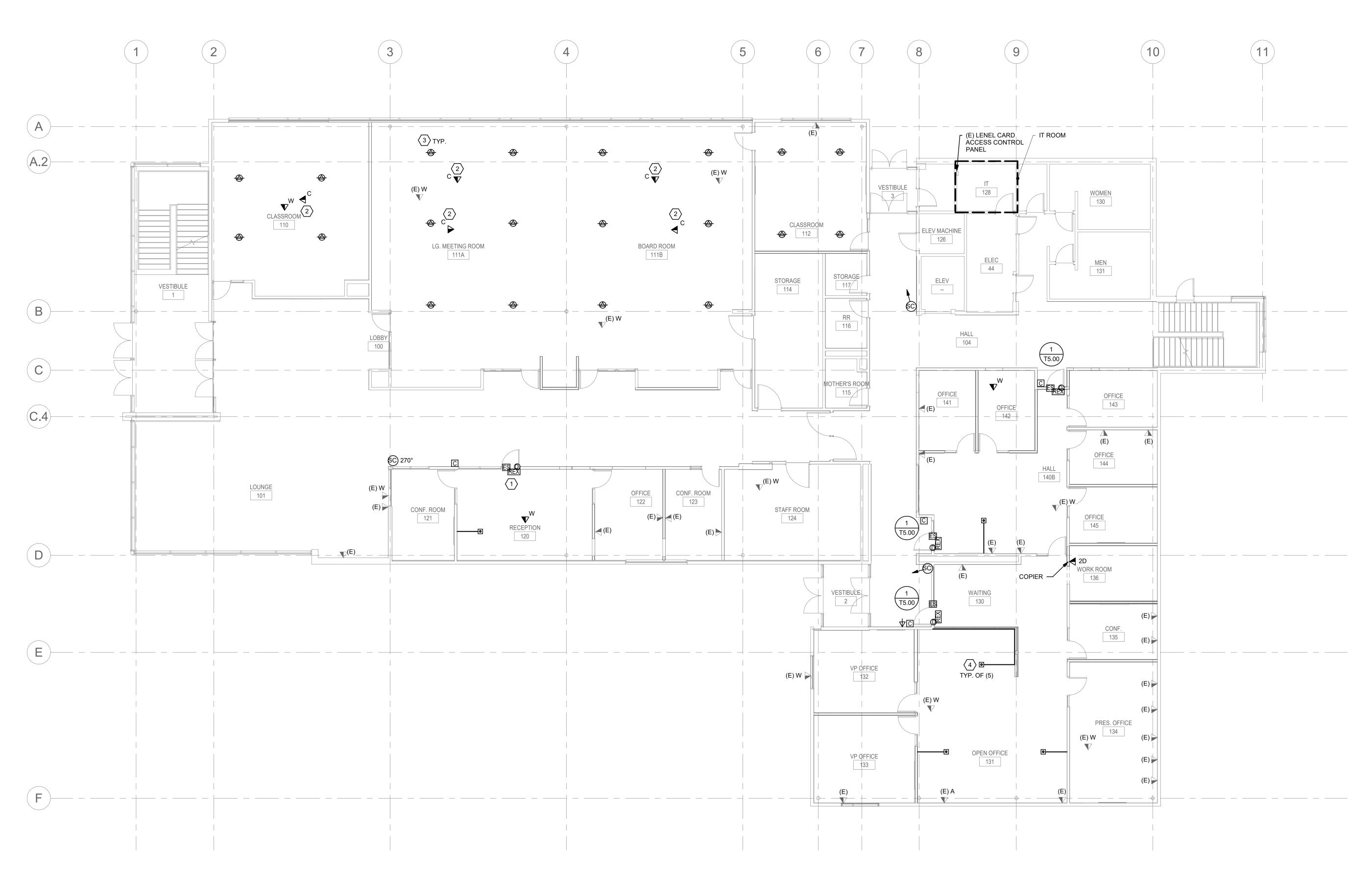
**BID SET** 

11/15/2021

Sheet Title LEVEL 1 - DEMO

TECHNOLOGY PLAN

T1.01



# LEVEL 1 TECHNOLOGY PLAN - OVERALL

#### ○ SHEET KEYNOTES

- DOOR HARDWARE TO MATCH WHAT WAS PROVIDED FOR THE WELCOME CENTER.
- 2. PROVIDE CEILING MOUNTED DATA OUTLET FOR OFCI PROJECTOR. VERIFY EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.
- 3. SPEAKERS TO BE OFCI.
- 4. PROVIDE PUSH BUTTON MOUNTED NEAR RECEPTION DESKS TO CONTROL THE DOOR THAT SERVES THE ROOM THAT PUSH BUTTON IS LOCATED. VERIFY EXACT LOCATION WITH OWNER PRIOR TO INSTALLATION.

ASSOCIATE ARCHITECT GOES HERE

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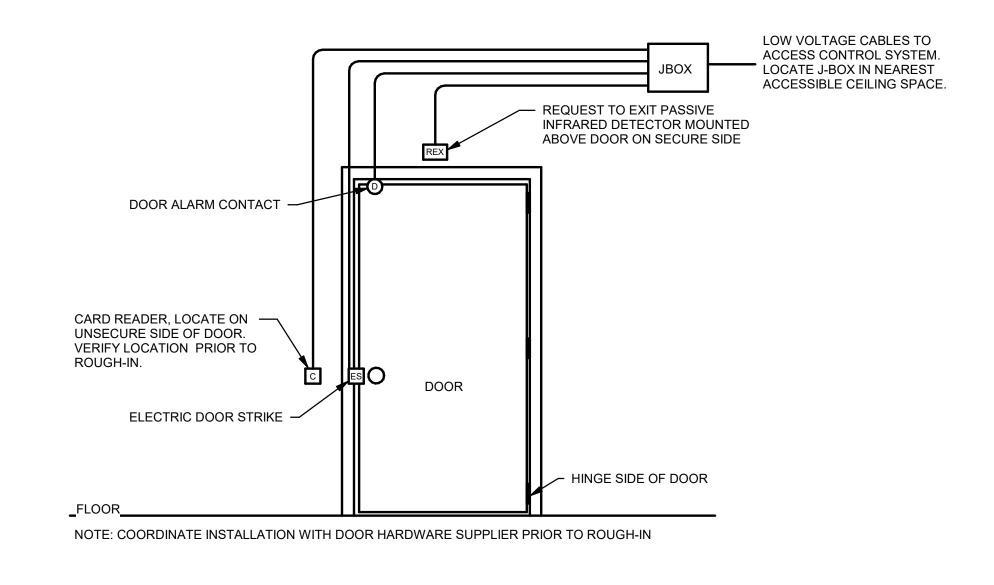
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LEVEL 1 -

TECHNOLOGY PLAN

T2.01



#### EXTERIOR SINGLE INTRUSION DOOR CONDUIT DETAIL NO SCALE



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Date: 11/1
Sheet Title
DETAILS TECHNOLOGY 11/15/2021

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