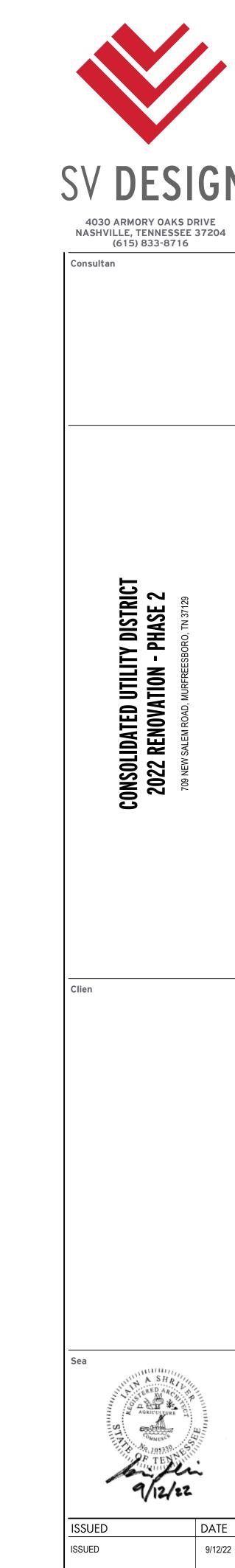
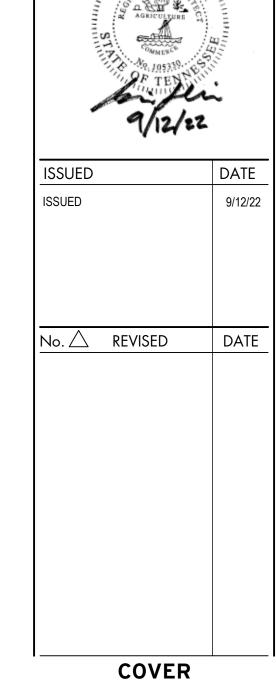
# CONSOLIDATED UTILITY DISTRICT 2022 RENOVATION - PHASE 2

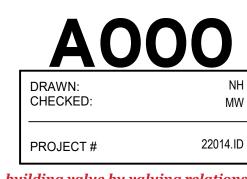
709 SALEM RD MURFREESBORO, TN 37129

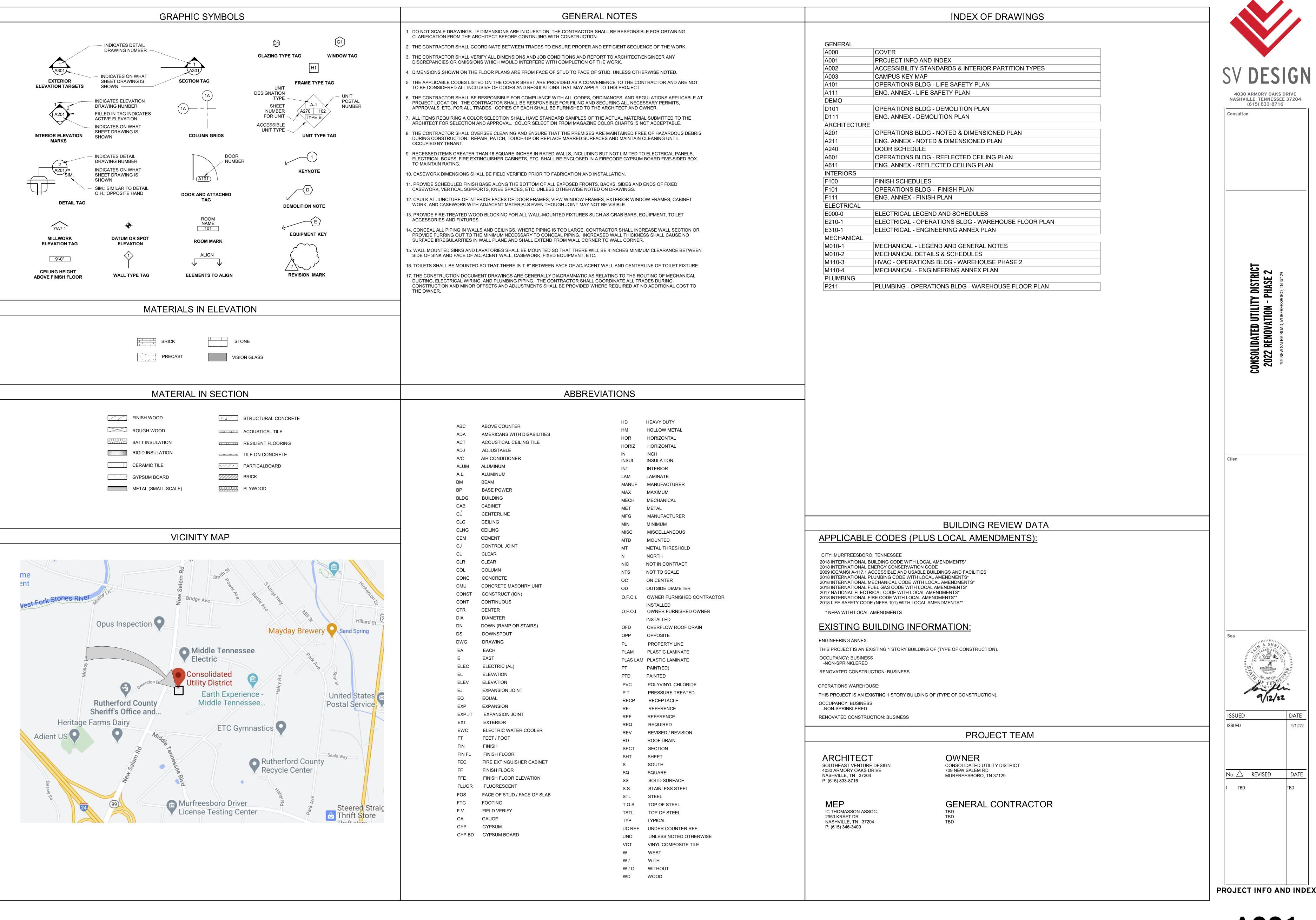


FOR CONSTRUCTION
9/12/2022



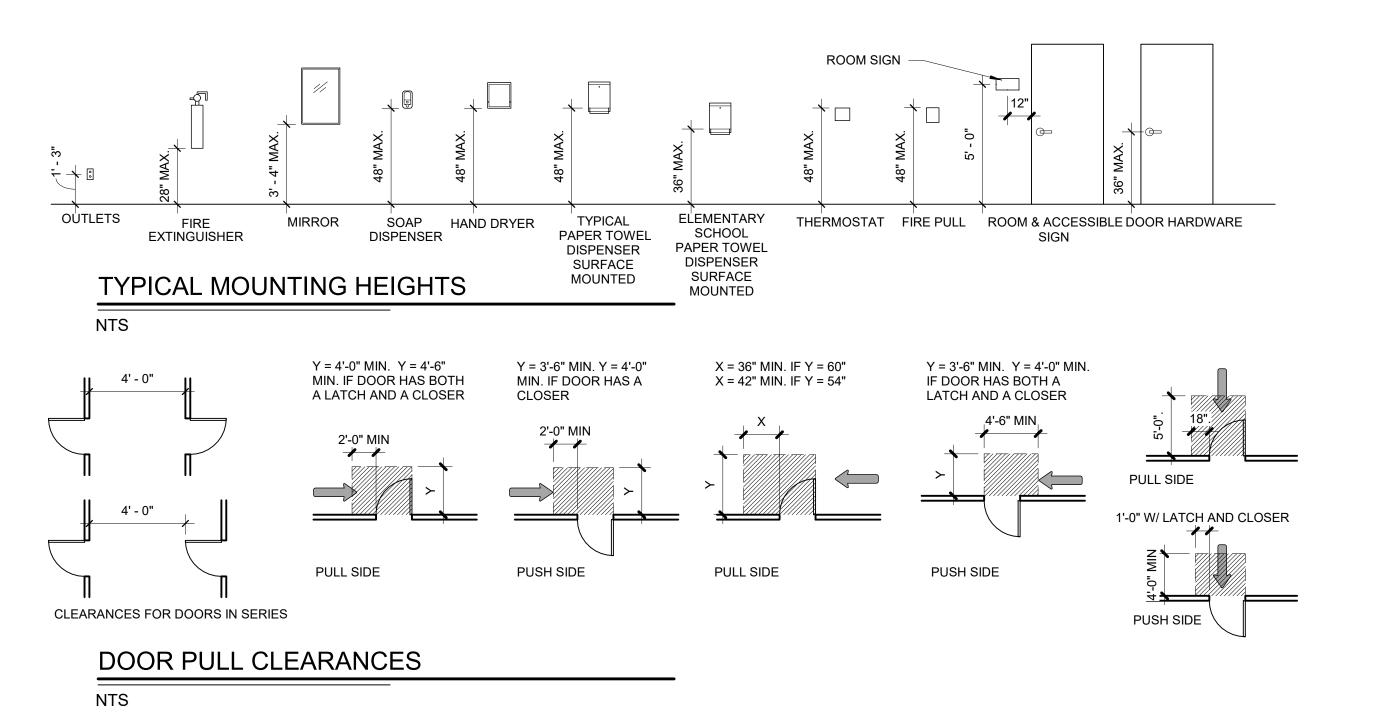


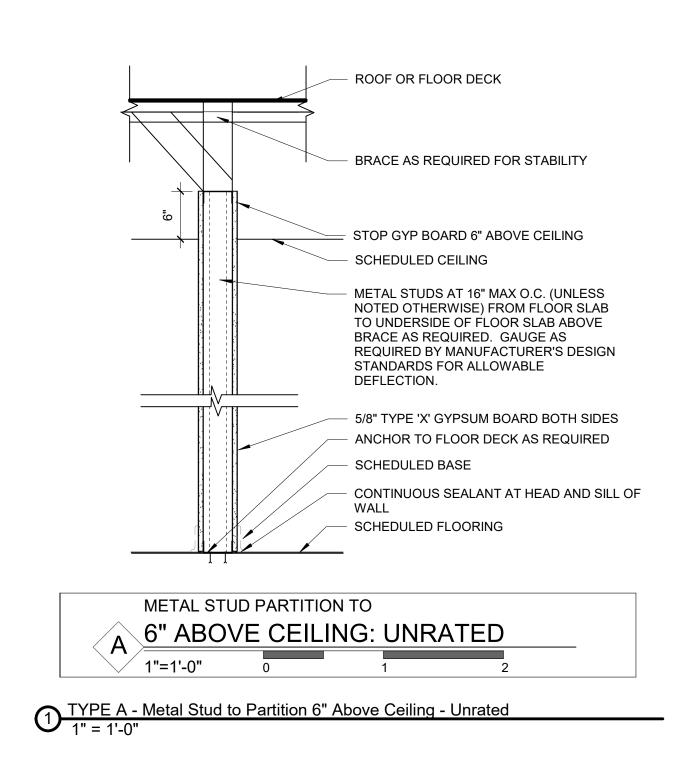


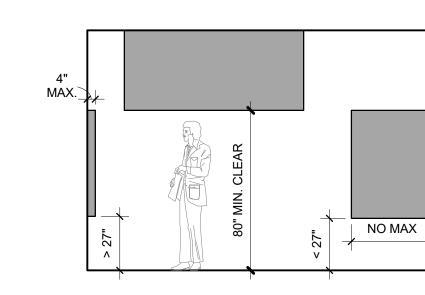


building value by valuing relationships

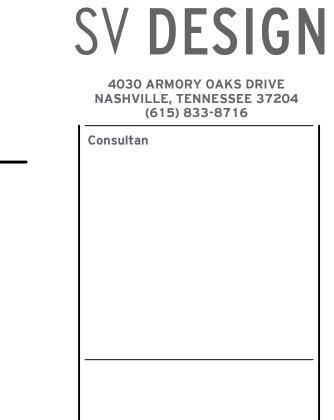
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PROTRUDING OBJECTS



CONSOLIDATED UTILITY DISTRICT 2022 RENOVATION - PHASE 2

— BRACE AS REQUIRED FOR STABILITY

— WHERE WALL ON PLAN CALLS FOR ACOUSTIC INSULATIONS BLANKETS LAY MINIMUM OF 36" HORIZONATALLY FROM WALL FACE

— STOP GYP BOARD 6" ABOVE CEILING

— SCHEDULED CEILING

— METAL STUDS AT 24" MAX O.C. (UNLESS NOTED OTHERWISE) FROM FLOOR SLAB

METAL STUDS AT 24" MAX O.C. (UNLESS NOTED OTHERWISE) FROM FLOOR SLAB TO UNDERSIDE OF FLOOR SLAB ABOVE BRACE AS REQUIRED. GAUGE AS REQUIRED BY MANUFACTURER'S DESIGN STANDARDS FOR ALLOWABLE DEFLECTION.

FILL CAVITY WITH 3-1/2" ACOUSTIC BATT INSULATION.

5/8" TYPE 'X' GYPSUM BOARD BOTH SIDES ANCHOR TO FLOOR DECK AS REQUIRED

SCHEDULED BASE

CONTINUOUS ACOUSTICAL SEALANT AT HEAD AND SILL OF WALL

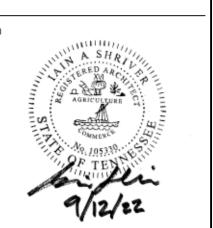
SCHEDULED FLOORING

METAL STUD WITH SOUND INSULATION TO

6" ABOVE CEILING: UNRATED

1"=1'-0" 0 1 2

2 TYPE B - Metal Stud w/ Sound Insulation to 6" Above Ceiling - Unrated 1" = 1'-0"



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ACCESSIBILITY STANDARDS & INTERIOR PARTITION TYPES

DRAWN: NH CHECKED: MW

PROJECT # 22014.ID





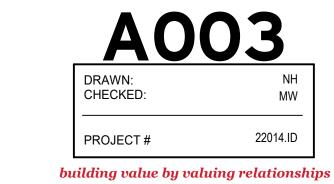
CONSOLIDATED UTILITY DISTRICT 2022 Renovation - Phase 2

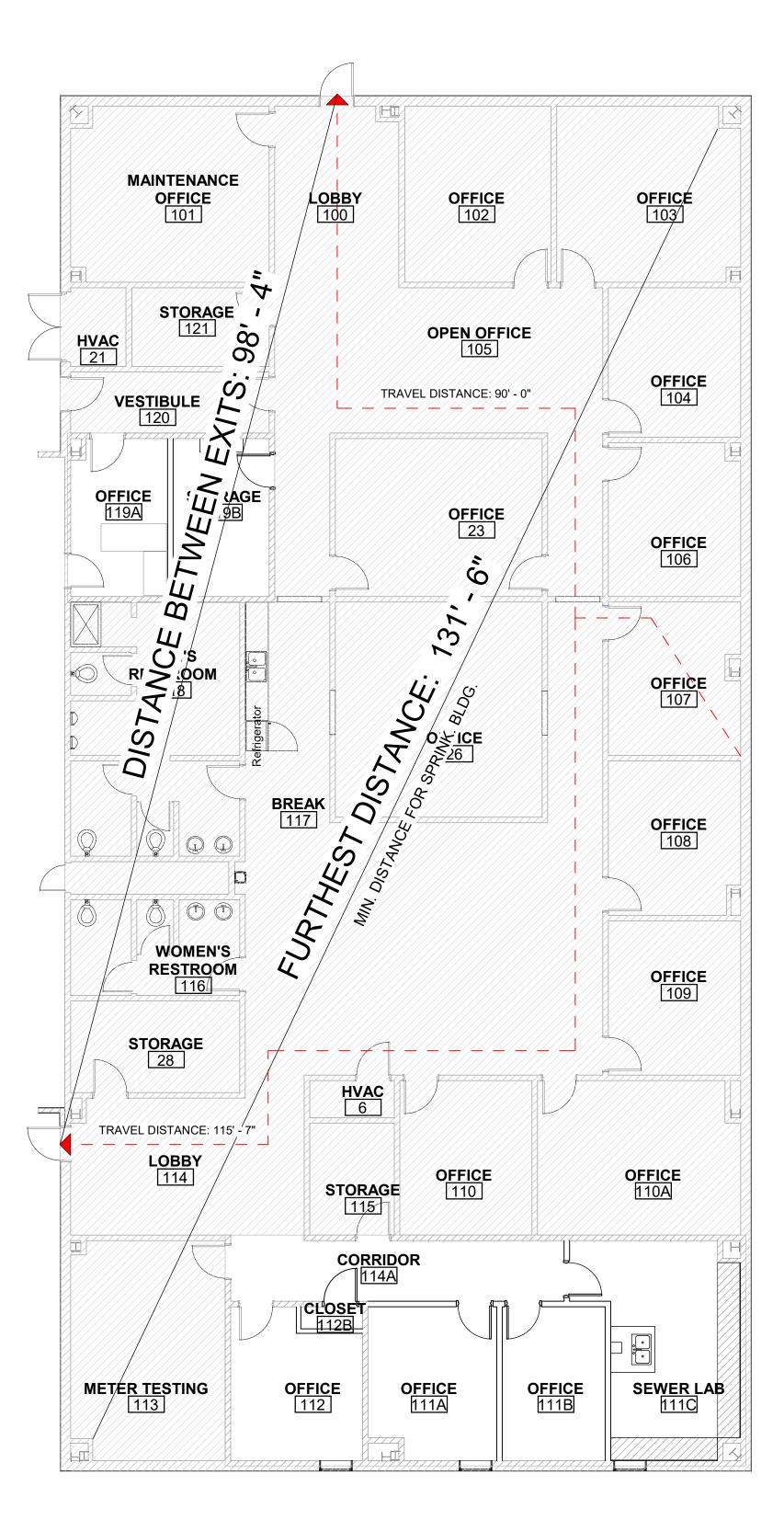
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CAMPUS KEY MAP





OPERATIONS BLDG. PHASE 2 LIFE SAFETY PLAN
1/8" = 1'-0"

#### ARCHITECTURAL ZONING AND LIFE SAFETY CODE ANALYSIS

APPLICABLE CODES:

MURFREESBORO, TENNESSEE:: 2018 INTERNATIONAL BUILDING CODE WITH LOCAL AMENDMENTS\* 2018 INTERNATIONAL ENERGY CONSERVATION CODE 2009 ICC/ANSI A-117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES 2018 INTERNATIONAL PLUMBING CODE WITH LOCAL AMENDMENTS\* 2018 INTERNATIONAL MECHANICAL CODE WITH LOCAL AMENDMENTS\* 2018 INTERNATIONAL FUEL GAS CODE WITH LOCAL AMENDMENTS\*

2011 NATIONAL ELECTRICAL CODE WITH LOCAL AMENDMENTS\* 2018 INTERNATIONAL FIRE CODE WITH LOCAL AMENDMENTS\*\* 2018 LIFE SAFETY CODE (NFPA 101) WITH LOCAL AMENDMENTS\*\* \* NFPA WITH LOCAL AMENDMENTS

PROJECT DESCRIPTION:

THE PROJECT CONSISTS OF A 1 STORY BUSINESS BUILDING ON NEW SALEM ROAD IN MURFREESBORO, TENNESSEE. THE BUILDING IS TYPE IIIB, UNPROTECTED (UNSPRINKLERED).

OCCUPANCY TYPE:: IBC CHAPTER 3 LEVEL 1: GROUP B (BUSINESS)

CONSTRUCTION TYPE:: IBC 602
TYPE IIIB, UNPROTECTED (UNSPRINKELED)

FIRE SUPPRESSION SYSTEM:: NONE

OTHER LIFE SAFETY CONSIDERATIONS:

INTERIOR FINISH:: IBC 803.5 (LIST BY OCCUPANCY TYPE) (NAME OF OCC. TYPE)

CLASS B MAXIMUM FLAME SPREAD CLASS B MAXIMUM FLAME SPREAD CORRIDORS: ROOMS AND ENCLOSED SPACES: CLASS B MAXIMUM FLAME SPREAD

PANIC HARDWARE:: IBC 1008.1.9 PANIC AND FIRE EXIT HARDWARE SHALL COMPLY

WITH IBC 1008.1.9.

\_ \_ \_ \_ \_

ENGINEERING ANNEX

PLAN LEGEND

TYPE A - METAL STUD PARTITION TO 6" ABOVE CEILING (ALL WALLS ARE TYPE A UNLESS OTHERWISE NOTED)

TYPE B - METAL STUD PARTITION TO 6" ABOVE CEILING WITH SOUND INSULATION

EXISTING CONSTRUCTION TO REMAIN

FIRE EXTINGUISHER CABINET

EGRESS DISCHARGE

EXIT SIGN

OCCUPANT LOAD:: IBC 1004.1.1

\_ (72" NOMINAL = 68" ACTUAL)

LEVEL 1
(B) BUSINESS OCCUPANCY 7,844 #SF 150 SF/OCCUPANT 52 # OCCUPANTS TOTAL: 7,844 GSF

EXIT CAPACITY:: IBC 1005 MIN. DOOR WIDTH (IBC 1008.1.1): 32" CLEAR PER DOOR 2 (36" NOMINAL = 33" ACTUAL) \_ (42" NOMINAL = 39" ACTUAL)

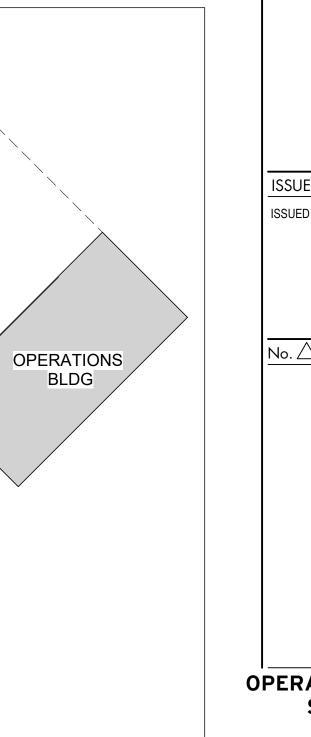
52 OCCUPANTS

= <u>TOTAL"</u> 66" / .15 PER OCC. = 440 OCCUPANTS MAX (577 OCC. LOAD) EXITS AND EXIT ACCESS:: IBC 1014 + 1015 + 1016 + 1018 MINIMUM NUMBER REQUIRED: 2 EXITS EXIT SEPARATION (1/3 OF DIAG.): 43'10" MIN. COMMON PATH OF TRAVEL 75' MAX ALLOWABLE TRAVEL DISTANCE TO EXIT: 300' MAX

ACCESSIBLE MEANS OF EGRESS:: IBC 1007.1 ACCESSIBLE MEANS OF EGRESS SHALL COMPLY WITH IBC 1007.

4030 ARMORY OAKS DRIVE NASHVILLE, TENNESSEE 37204 (615) 833-8716 Consultan

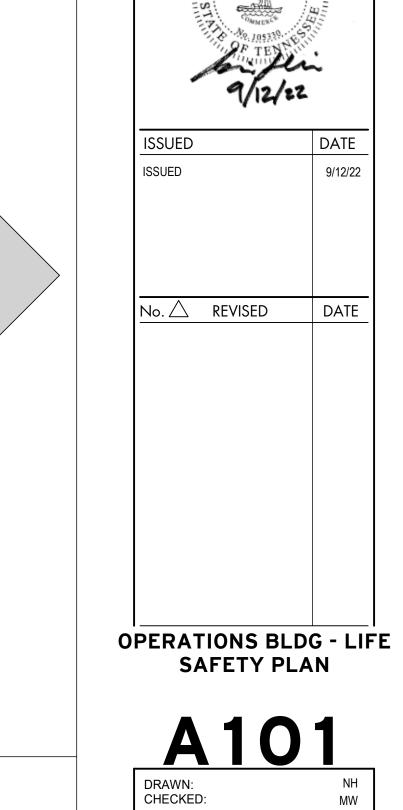
CONSOLIDATED UTILITY DISTRICT 2022 RENOVATION - PHASE 2



WAREHOUSE

MAIN BUILDING

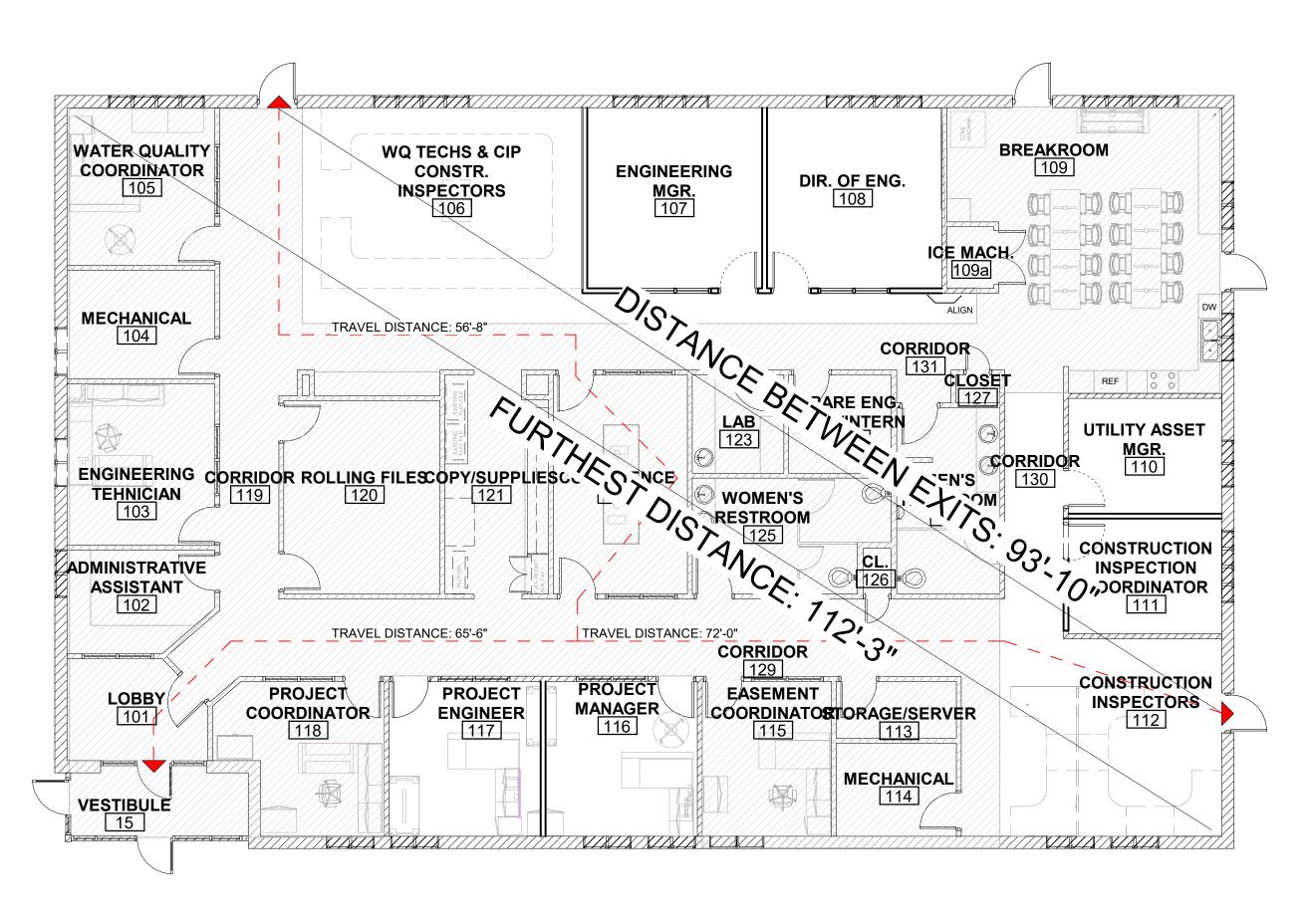
**KEY PLAN** 



PROJECT#

building value by valuing relationships

22014.ID



#### ARCHITECTURAL ZONING AND LIFE SAFETY CODE ANALYSIS

#### **APPLICABLE CODES:**

2018 INTERNATIONAL BUILDING CODE WITH LOCAL AMENDMENTS\* 2018 INTERNATIONAL ENERGY CONSERVATION CODE 2009 ICC/ANSI A-117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES 2018 INTERNATIONAL PLUMBING CODE WITH LOCAL AMENDMENTS\* 2018 INTERNATIONAL MECHANICAL CODE WITH LOCAL AMENDMENTS\* 2018 INTERNATIONAL FUEL GAS CODE WITH LOCAL AMENDMENTS\* 2017 NATIONAL ELECTRICAL CODE WITH LOCAL AMENDMENTS\* 2018 INTERNATIONAL FIRE CODE WITH LOCAL AMENDMENTS\*\* 2018 LIFE SAFETY CODE (NFPA 101) WITH LOCAL AMENDMENTS\*\*

#### **PROJECT DESCRIPTION:**

\* NFPA WITH LOCAL AMENDMENTS

THE PROJECT CONSISTS OF A 1 STORY BUSINESS BUILDING OF 5788 SQUARE FEET ON NEW SALEM RD IN NASHVILLE, TENNESSEE. THE BUILDING IS (CONSTRUCTION TYPE) CONSTRUCTION, (FULLY SPRINKLERED, NOT SPRINKLERED.) (ADDITIONAL PROJECT DESCRIPTION NOTES)

OCCUPANCY TYPE:: IBC CHAPTER 3 GROUP B (BUSINESS)

CONSTRUCTION TYPE:: IBC 602 TYPE IIB, NOT SPRINKLERED

FIRE SUPPRESSION SYSTEM::

OTHER LIFE SAFETY CONSIDERATIONS:

INTERIOR FINISH:: IBC 803.5 BUSINESS

EXITS: CLASS A MAXIMUM FLAME SPREAD CLASS B MAXIMUM FLAME SPREAD CORRIDORS: ROOMS AND ENCLOSED SPACES: CLASS C MAXIMUM FLAME SPREAD

PANIC HARDWARE:: IBC 1008.1.9

PANIC AND FIRE EXIT HARDWARE SHALL COMPLY WITH IBC 1008.1.9.

#### PLAN LEGEND

TYPE A - METAL STUD PARTITION TO 6" ABOVE CEILING (ALL WALLS ARE TYPE A UNLESS OTHERWISE NOTED) TYPE B - METAL STUD PARTITION TO 6" ABOVE CEILING WITH SOUND INSULATION EXISTING CONSTRUCTION TO REMAIN FIRE EXTINGUISHER CABINET EGRESS DISCHARGE **EXIT SIGN** 

OCCUPANCY:: IBC 503 + 504 + 508 + 1004

LEVEL 1
(B) BUSINESS OCCUPANCY 5996 #SF
150 SF/OCCUPANT 40 # OCCUPANTS

TOTAL: 5788 GSF 53 OCCUPANTS

EXIT CAPACITY:: IBC 1005
MIN. DOOR WIDTH (IBC 1008.1.1): 32" CLEAR PER DOOR EXIT DOORS (LIST BY OCCUPANCY TYPE IF APPLICABLE! 3 (36" NOMINAL = 33" ACTUAL) # (42" NOMINAL = 39" ACTUAL) # (72" NOMINAL = 68" ACTUAL)

= <u>TOTAL"</u> 99" / .15 PER OCC.

= 660 OCCUPANTS MAX (53 OCC. LOAD) EXITS AND EXIT ACCESS:: IBC 1014 + 1015 + 1016 + 1018 MINIMUM NUMBER REQUIRED: EXIT SEPARATION (1/2 OR 1/3 OF DIAG.): 37' 5" MIN. COMMON PATH OF TRAVEL 75' MAX ALLOWABLE TRAVEL DISTANCE TO EXIT: SEE 1016.1

STAIRWAYS:: IBC 1009 STAIRWAYS SHALL COMPLY WITH IBC 1009. ACCESSIBLE MEANS OF EGRESS:: IBC 1007.1 ACCESSIBLE MEANS OF EGRESS SHALL COMPLY WITH IBC 1007.

WAREHOUSE

MAIN BLDG

**KEY PLAN** 

**ENGINEERING ANNEX** 

OPERATIONS BLDG

NASHVILLE, TENNESSEE 37204 (615) 833-8716 Consultan

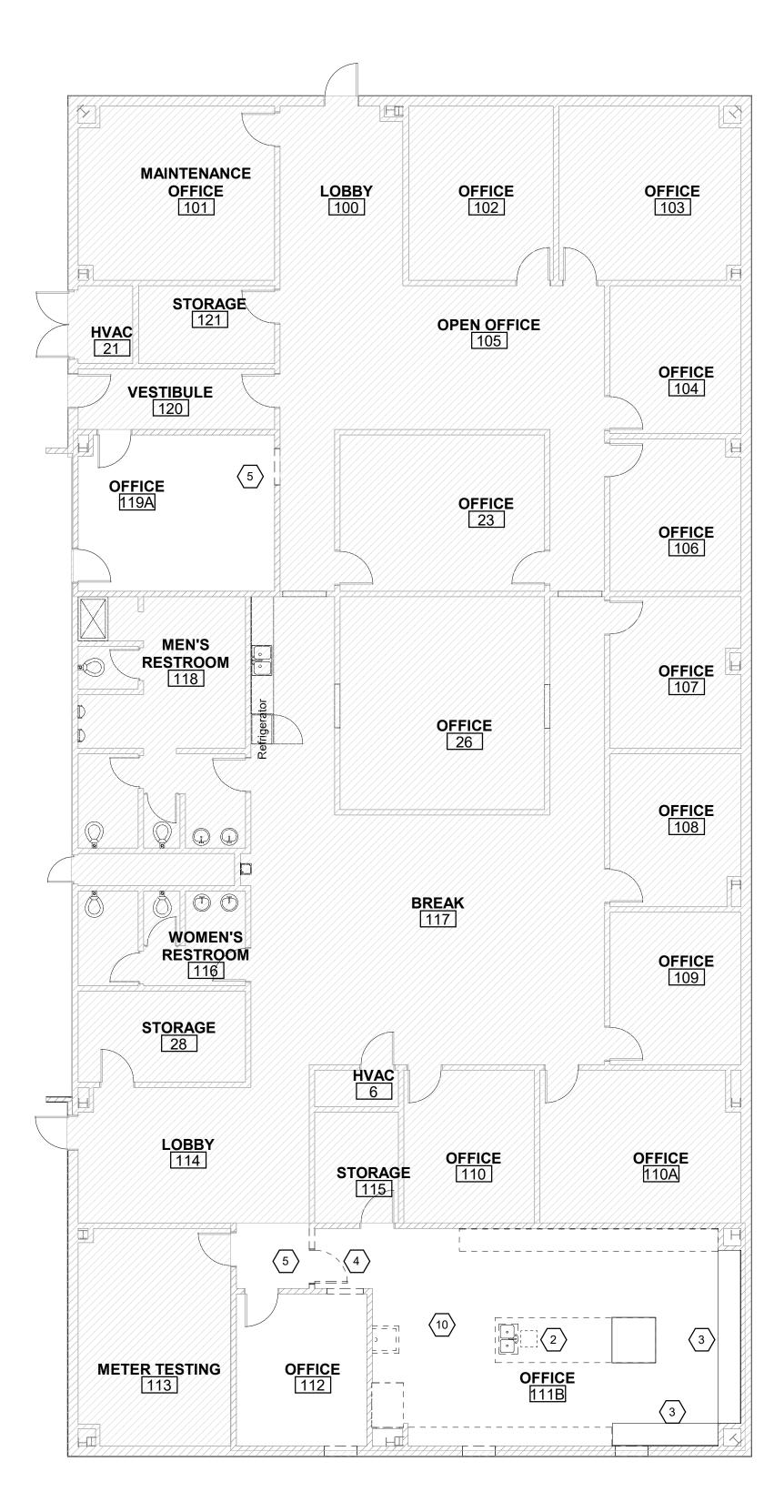
CONSOLIDATED UTILITY DISTRICT 2022 RENOVATION - PHASE 2



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DRAWN: CHECKED: PROJECT# 22014.1D



DEMOLITION FIRST FLOOR PLAN - OPERATIONS BLDG
1/8" = 1'-0"

#### **DEMOLITION LEGEND**

ELEMENT TO BE REMOVED (DASHED LINE)

EXISTING CONSTRUCTION TO REMAIN

#### GENERAL DEMOLITION NOTES

- 1. IT IS THE INTENT OF THE DEMOLITION TO REMOVE ALL EXISTING CONSTRUCTION WHICH CONFLICTS WITH THE INTENT OF NEW CONSTRUCTION. EVERY DEMOLITION DETAIL MAY NOT NECESSARILY BE COVERED ON THESE DOCUMENTS. PRIOR TO BID OR DEMOLITION OPERATIONS, THE CONTRACTOR SHALL REVIEW THE EXISTING CONDITIONS AND SHALL INCLUDE ALL DEMOLITION WORK REQUIRED TO ACCOMMODATE NEW WORK, EVEN IF NOT SPECIFICALLY CALLED FOR.
- 2. DASHED LINES INDICATE EXISTING CONSTRUCTION TO BE REMOVED. REMOVE ALL CONSTRUCTION THAT CONFLICTS WITH THE INTENT OF THE NEW CONSTRUCTION. NOTIFY ARCHITECT OF ALL M.E.P. ITEMS LOCATED IN PARTITIONS OR CEILINGS NOT NOTED ON M.E.P. DRAWINGS.
- 3. NOTIFY ARCHITECT OF ALL NOTICEABLE DEFECTS IN EXISTING CONSTRUCTION PRIOR TO BEGINNING DEMOLITION OPERATIONS, AS WELL AS DEFECTS UNCOVERED DURING DEMOLITION OPERATIONS. 4. DO NOT CUT AND PATCH ELEMENTS IN A MANNER THAT COULD CHANGE THEIR LOAD-CARRYING CAPACITY, LOAD-DEFLECTION RATIO, OR THAT RESULTS IN INCREASED MAINTENANCE OR DECREASED OPERATIONAL LIFE OR SAFETY.
- 5. MAINTAIN STRUCTURAL INTEGRITY OF ALL ITEMS. 6. EXISTING FIRE RESISTANCE RATINGS TO BE MAINTAINED OR REPAIRED AT PARTITIONS TO REMAIN, VERTICAL PENETRATIONS, AND HORIZONTAL SEPARATIONS.
- . MAINTAIN ALL LIFE SAFETY SYSTEMS INCLUDING, BUT NOT LIMITED TO: FIRE ALARMS, FIRE EXTINGUISHER CABINETS, SMOKE DETECTORS, ENUNCIATOR PANELS, STROBE LIGHTS, AND EXIT LIGHTS.
- 8. IF EXISTING DUCTWORK MUST BE RELOCATED TO AVOID CONFLICT WITH NEW CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO COORDINATE WITH THE ARCHITECT AND ENGINEER. 9. REMOVE ALL PLUMBING FIXTURES IN AREA OF WORK. CAP LINES AND REMOVE IF NOT TO BE INCLUDED IN
- 10. REMOVE ELECTRICAL BOXES, WIRING AND CONDUIT IN DEMOLISHED PARTITIONS BACK TO THEIR RESPECTIVE PANELS, UNLESS INDICATED TO BE REROUTED.
- 11. ELECTRICAL BOXES TO BE REMOVED FROM PARTITIONS TO REMAIN ARE INDICATED ON THE ELECTRICAL ENGINEERING PLANS. REMOVE DEVICES AND REPAIR PARTITION, READY TO RECEIVE NEW FINISHES.
- 12. REMOVE ALL EXISTING COMMUNICATION AND DATA CABLING, COVER PLATES, AND TERMINATION EQUIPMENT UNLESS OTHERWISE NOTED. REMOVE ANY BACKING BOARDS OR OTHER SUPPORTS IN SPACE PERTAINING TO EXISTING COMMUNICATIONS OR DATA SYSTEMS.
- 13. REMOVE ALL EXISTING DEBRIS, ABANDONED DUCT, WIRING AND CONDUIT FROM ABOVE CEILING AREAS
- 14. SALVAGE EXISTING CEILING TILE AND GRID FOR REUSE UNLESS NOTED OTHERWISE. CONFINE REUSED TILE TO USE IN AREAS DESIGNATED ON NEW CONSTRUCTION REFLECTED CEILING PLAN AND/OR ROOM FINISH SCHEDULE. REFER TO A104 AND A105 FOR LOCATIONS. REPLACE ALL SUSPENSION GRID MEMBERS DAMAGED DURING DEMOLITION OPERATIONS OR CUT MEMBERS LEFT EXPOSED BY DEMOLITION
- OPERATIONS, IN AREAS WHERE EXISTING CEILING IS TO REMAIN. 15. SALVAGE AND STORE LIGHT FIXTURES FOR RE-USE. IF LIGHT FIXTURES ARE NOT TO BE RE-USED, RETURN FIXTURES TO OWNER. IF OWNER DOES NOT WANT FIXTURES, DISPOSE OF LIGHT FIXTURES.
- 16. REMOVAL OF DOORS ALSO INCLUDES REMOVAL OF DOOR FRAMES AND HARDWARE UNLESS SPECIFICALLY NOTED OTHERWISE. STORE FOR REUSE. 17. RETURN ALL SALVAGED DOORS, FRAMES, HARDWARE, LIGHT FIXTURES AND EQUIPMENT NOT REUSED IN
- THIS PROJECT TO OWNER FOR REUSE ELSEWHERE, UNLESS OTHERWISE NOTED.
- 18. COORDINATE WITH OWNER THE REMOVAL OF ALL EXISTING EQUIPMENT, INCLUDING WALL MOUNTED 19. REMOVE ALL EXISTING FLOORING AND ADHESIVE IN AREA OF NEW WORK. IN AREAS TO REMAIN PROTECT
- FLOORING. REFER TO FINISH PLAN FOR EXISTING FINISHES TO REMAIN. 20. WHERE EXISTING WALLS OR CEILINGS ARE DAMAGED BY THE CONTRACTOR FOR ACCESS TO SERVICES, AND NEW CONSTRUCTION IS NOT SCHEDULED OR SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL BE
- RESPONSIBLE FOR REPAIRING MATERIALS AND FINISHES TO MATCH ORIGINAL CONDITIONS. 21. RESTORE EXPOSED FINISHES OF PATCHED AREAS AND EXTEND RESTORATION INTO ADJOINING CONSTRUCTION IN A MANNER THAT ELIMINATES EVIDENCE OF PATCHING AND REFINISHING.

#### **DEMOLITION PLAN KEY NOTES**

1 NOT USED.

NEW WORK.

- 2 RELOCATE 12X12 CHASE TO ABOVE NEW SINK LOCATION.
- (3) KEEP THE COUNTER AND CABINETS IN THIS AREA.
- RELOCATE EXISTING DOOR TO END OF NEW CORRIDOR. PATCH EXISTING HEADER TO MAINTAIN EXISTING CEILING TILE.
- 5 DEMO EXISTING CMU WALL.
- $\left|\left\langle 6\right\rangle \right|$  REMOVE EXISTING DOOR AND FRAME. REFERENCE A211 FOR REUSE.

MAIN BUILDING

**KEY PLAN** 

- $\left|\begin{array}{c}7\end{array}\right>$  REMOVE EXISITNG BUILT-IN SHELVING.
- 8 ALL EXTRA ELECTRICAL RECEPTACLES MUST BE REMOVED AND WALLS PATCHED.
- 9 NOT USED.

**ENGINEERING ANNEX** 

CONTRACTOR TO COORDINATE REMOVAL OF EXISTING 2-PART EPOXY FLOORING AND FLASH COVED BASE AT LOCATIONS OF NEW OFFICES 111A AND 111B AND CORRIDOR 114A.

WAREHOUSE

OPERATIONS BLDG



NASHVILLE, TENNESSEE 37204

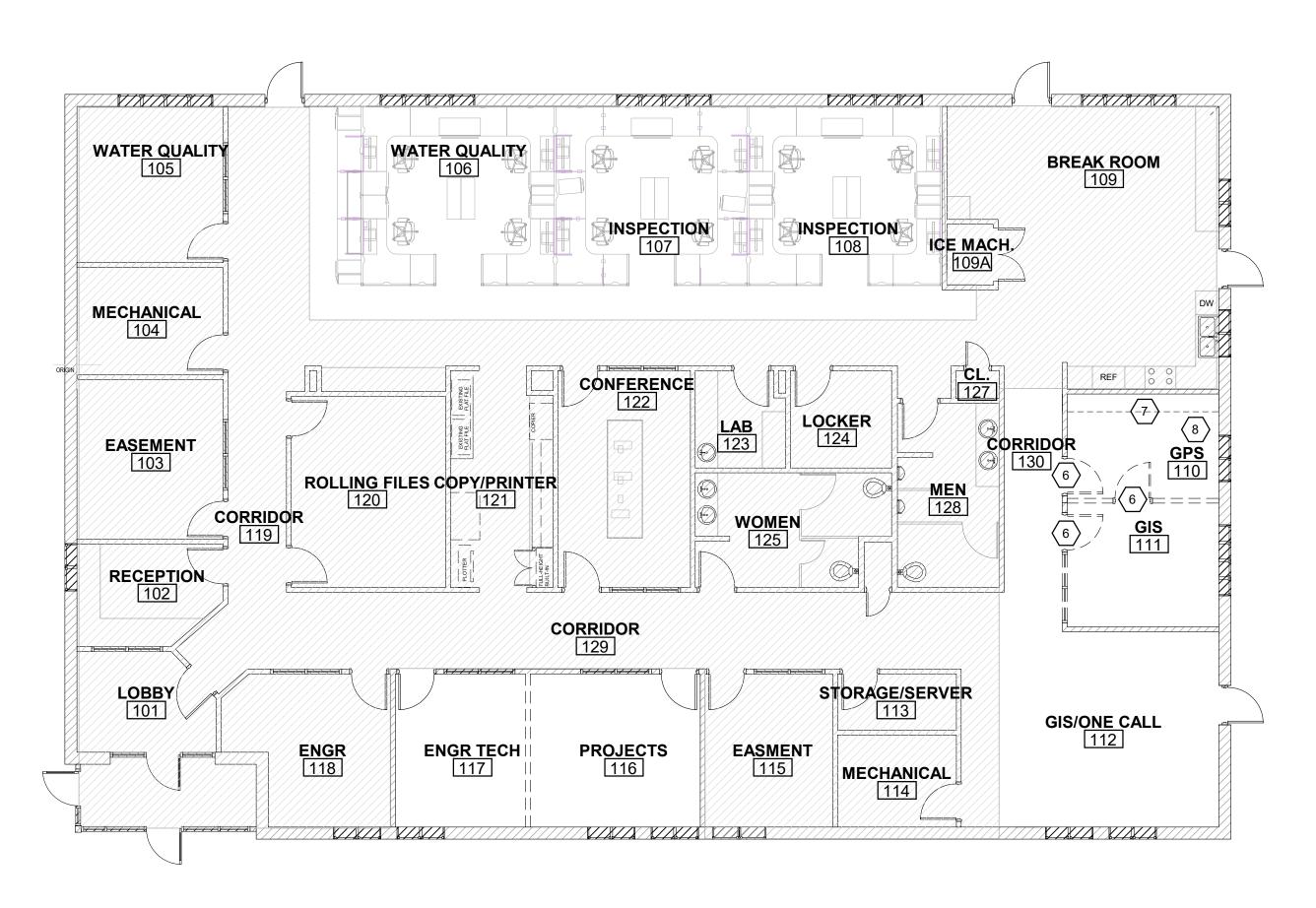
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CONSOLIDATED UTILITY DISTRICT 2022 RENOVATION - PHASE 2

**ISSUED** No. A REVISED DATE OPERATIONS BLDG -DEMOLITION PLAN

D101 DRAWN: CHECKED:

22014.ID PROJECT# building value by valuing relationships



#### DEMOLITION LEGEND

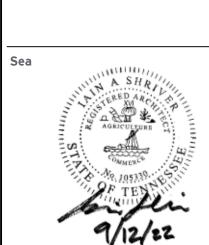
ELEMENT TO BE REMOVED (DASHED LINE)

EXISTING CONSTRUCTION TO REMAIN

- 1. IT IS THE INTENT OF THE DEMOLITION TO REMOVE ALL EXISTING CONSTRUCTION WHICH CONFLICTS WITH THE INTENT OF NEW CONSTRUCTION. EVERY DEMOLITION DETAIL MAY NOT NECESSARILY BE COVERED ON THESE DOCUMENTS. PRIOR TO BID OR DEMOLITION OPERATIONS, THE CONTRACTOR SHALL REVIEW THE EXISTING CONDITIONS AND SHALL INCLUDE ALL DEMOLITION WORK REQUIRED TO ACCOMMODATE NEW WORK, EVEN IF NOT SPECIFICALLY CALLED FOR.
- CONFLICTS WITH THE INTENT OF THE NEW CONSTRUCTION. NOTIFY ARCHITECT OF ALL M.E.P. ITEMS
- LOAD-DEFLECTION RATIO, OR THAT RESULTS IN INCREASED MAINTENANCE OR DECREASED OPERATIONAL LIFE OR SAFETY.
- VERTICAL PENETRATIONS, AND HORIZONTAL SEPARATIONS.
- 7. MAINTAIN ALL LIFE SAFETY SYSTEMS INCLUDING, BUT NOT LIMITED TO: FIRE ALARMS, SMOKE DETECTORS,
- 9. REMOVE ALL PLUMBING FIXTURES IN AREA OF WORK. CAP LINES AND REMOVE IF NOT TO BE INCLUDED IN
- ENGINEERING PLANS. REMOVE DEVICES AND REPAIR PARTITION, READY TO RECEIVE NEW FINISHES.
- 12. REMOVE ALL EXISTING COMMUNICATION AND DATA CABLING, COVER PLATES, AND TERMINATION EQUIPMENT UNLESS OTHERWISE NOTED. REMOVE ANY BACKING BOARDS OR OTHER SUPPORTS IN SPACE
- 13. REMOVE ALL EXISTING DEBRIS, ABANDONED DUCT, WIRING AND CONDUIT FROM ABOVE CEILING AREAS THAT ARE TO REMAIN.
- TO USE IN AREAS DESIGNATED ON NEW CONSTRUCTION REFLECTED CEILING PLAN AND/OR ROOM FINISH SCHEDULE. REPLACE ALL SUSPENSION GRID MEMBERS DAMAGED DURING DEMOLITION OPERATIONS OR CUT MEMBERS LEFT EXPOSED BY DEMOLITION OPERATIONS, IN AREAS WHERE EXISTING CEILING IS TO
- 15. SALVAGE AND STORE LIGHT FIXTURES FOR RE-USE. IF LIGHT FIXTURES ARE NOT TO BE RE-USED, RETURN
- THIS PROJECT TO OWNER FOR REUSE ELSEWHERE, UNLESS OTHERWISE NOTED.
- AND NEW CONSTRUCTION IS NOT SCHEDULED OR SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL BE
- CONSTRUCTION IN A MANNER THAT ELIMINATES EVIDENCE OF PATCHING AND REFINISHING.

#### DEMOLITION PLAN KEY NOTES

- 1 NOT USED.
- 2 RELOCATE 12X12 CHASE TO ABOVE NEW SINK LOCATION.
- RELOCATE EXISTING DOOR TO END OF NEW CORRIDOR. PATCH EXISTING HEADER TO MAINTAIN EXISTING CEILING TILE.
- $\sqrt{5}$  DEMO EXISTING CMU WALL.
- 6 REMOVE EXISTING DOOR AND FRAME. REFERENCE A211 FOR REUSE.
- 7 REMOVE EXISITING BUILT-IN SHELVING.
- 8 ALL EXTRA ELECTRICAL RECEPTACLES MUST BE REMOVED AND WALLS PATCHED.
- CONTRACTOR TO COORDINATE REMOVAL OF EXISTING 2-PART EPOXY FLOORING AND FLASH COVED BASE AT LOCATIONS OF NEW OFFICES 111A AND 111B AND CORRIDOR 114A.

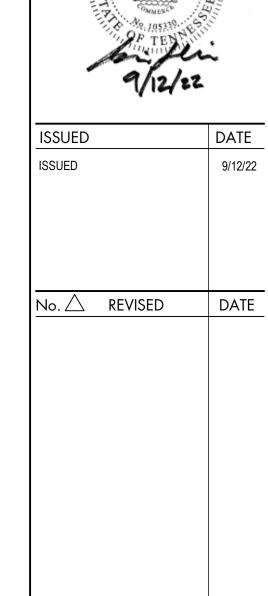


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CONSOLIDATED UTILITY DISTRICT 2022 RENOVATION - PHASE 2

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**ENG. ANNEX - DEMO PLAN** 

DRAWN: CHECKED:

building value by valuing relationships

22014.1D PROJECT#

**KEY PLAN** 

MAIN BLDG

ENGINEERING ANNEX

WAREHOUSE

OPERATIONS BLDG

GENERAL DEMOLITION NOTES

2. DASHED LINES INDICATE EXISTING CONSTRUCTION TO BE REMOVED. REMOVE ALL CONSTRUCTION THAT

LOCATED IN PARTITIONS OR CEILINGS NOT NOTED ON M.E.P. DRAWINGS. 3. NOTIFY ARCHITECT OF ALL NOTICEABLE DEFECTS IN EXISTING CONSTRUCTION PRIOR TO BEGINNING DEMOLITION OPERATIONS, AS WELL AS DEFECTS UNCOVERED DURING DEMOLITION OPERATIONS.

4. DO NOT CUT AND PATCH ELEMENTS IN A MANNER THAT COULD CHANGE THEIR LOAD-CARRYING CAPACITY,

5. MAINTAIN STRUCTURAL INTEGRITY OF ALL ITEMS. 6. EXISTING FIRE RESISTANCE RATINGS TO BE MAINTAINED OR REPAIRED AT PARTITIONS TO REMAIN,

ENUNCIATOR PANELS, STROBE LIGHTS, AND EXIT LIGHTS. 8. IF EXISTING DUCTWORK MUST BE RELOCATED TO AVOID CONFLICT WITH NEW CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR TO COORDINATE WITH THE ARCHITECT AND ENGINEER.

10. REMOVE ELECTRICAL BOXES, WIRING AND CONDUIT IN DEMOLISHED PARTITIONS BACK TO THEIR

RESPECTIVE PANELS, UNLESS INDICATED TO BE REROUTED. 11. ELECTRICAL BOXES TO BE REMOVED FROM PARTITIONS TO REMAIN ARE INDICATED ON THE ELECTRICAL

PERTAINING TO EXISTING COMMUNICATIONS OR DATA SYSTEMS.

14. SALVAGE EXISTING CEILING TILE AND GRID FOR REUSE UNLESS NOTED OTHERWISE. CONFINE REUSED TILE

FIXTURES TO OWNER. IF OWNER DOES NOT WANT FIXTURES, DISPOSE OF LIGHT FIXTURES.

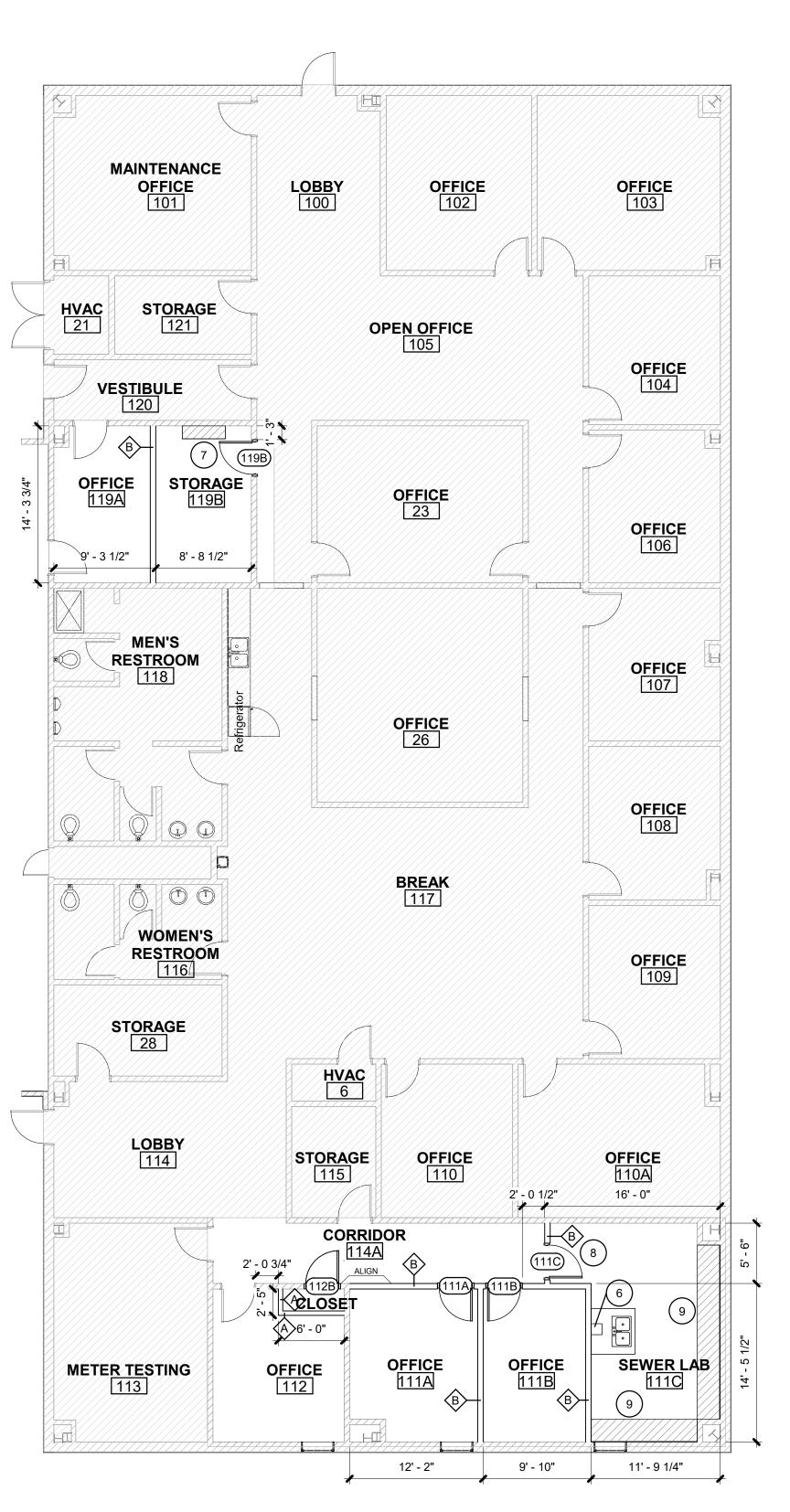
16. REMOVAL OF DOORS ALSO INCLUDES REMOVAL OF DOOR FRAMES AND HARDWARE UNLESS SPECIFICALLY NOTED OTHERWISE. 17. RETURN ALL SALVAGED DOORS, FRAMES, HARDWARE, LIGHT FIXTURES AND EQUIPMENT NOT REUSED IN

18. REMOVE ALL EXISTING EQUIPMENT AND FURNITURE INCLUDING WALL MOUNTED EQUIPMENT. 19. WHERE EXISTING WALLS OR CEILINGS ARE DAMAGED BY THE CONTRACTOR FOR ACCESS TO SERVICES,

RESPONSIBLE FOR REPAIRING MATERIALS AND FINISHES TO MATCH ORIGINAL CONDITIONS. 20. RESTORE EXPOSED FINISHES OF PATCHED AREAS AND EXTEND RESTORATION INTO ADJOINING

 $\left\langle 3 \right\rangle$  KEEP THE COUNTER AND CABINETS IN THIS AREA.

9 NOT USED.



OPERATIONS BLDG. PHASE 2 - NOTED & DIMENSIONED

1/8" = 1'-0"



TYPE A - METAL STUD PARTITION TO 6" ABOVE CEILING (ALL WALLS ARE TYPE A UNLESS OTHERWISE NOTED)

TYPE B - METAL STUD PARTITION TO 6" ABOVE CEILING WITH SOUND INSULATION

EXISTING CONSTRUCTION TO REMAIN

FIRE EXTINGUISHER CABINET

#### GENERAL PLAN NOTES

- ALL NEW WALLS SHOWN TO BE 3-5/8" METAL STUDS UNLESS NOTED OTHERWISE.
   WALLS ARE TYPE A UNLESS INDICATED OTHERWISE.
- 3. ALL WALLS TO CONTINUE TO UNDERSIDE OF DECK UNLESS NOTED OTHERWISE. 4. FIRE RATED AND SOUND ATTENUATED PARTITIONS ARE INDICATED ON THIS SHEET PER THE LEGEND ABOVE.
- 5. FIRE RESISTIVE RATED PARTITIONS ARE THE BE CONTINUOUS AND INSTALLED IN ACCORDANCE WITH U.L. OR OTHER LISTED TESTING AGENCY CONSTRUCTION DESIGN SPECIFICATIONS. RESISTANCE CONTINUITY TO BE MAINTAINED PER CODE
- REQUIREMENTS THROUGH INTERSTITIAL, FURRED AREAS, VOID SPACES, PENETRATIONS, AND MOUNTED EQUIPMENT BOXES. 6. PROVIDE DUST SHIELD AND CONSTRUCTION BARRIERS DURING CONSTRUCTION.
- 7. PROVIDE BLOCKING IN WALL FOR ALL WALL MOUNTED HANDRAILES, MILLWORK, TOILET ACCESSORIES, GRAB BARS, OR OTHER WALL HUNG ITEMS.
- 8. EXISTING FIRE RESISTANCE RATINGS TO BE MAINTAINED OR REPAIRED AT PARTITIONS TO REMAIN, VERTICAL PENETRATIONS, AND HORIZONTAL SEPARATIONS.
- DOORS AND/OR WALLS WITHOUT TAGS ARE INTENDED TO BE EXISTING TO REMAIN.
  REVIEW CONDITIONS AND REPORT DISCREPENCIES.
   DIMENSIONS MEASURED FROM INTERIOR FACE EXISTING WALL TO FRAME OF NEW
- 11. AUDIO/AV TO BE COORDINATED WITH OWNER.

#### NOTED PLAN KEY NOTES

1 NOT USED.

2 NOT USED.

3 NOT USED.

4 NOT USED.

5 NOT USED.

6 NEW LOCATION FOR 12X12 CHASE THROUGH CEILING.

7 EXISTING WALL MOUNTED FUEL SYSTEM CONTROL PANEL. PROVIDE AND INSTALL DOOR STOP AT FLOOR.

(8) NEW LOCATION FOR CORRIDOR 114A DOOR.

9 EXISTING COUNTERS TO REMAIN.

10 REUSE DOOR 110. REFER TO D111.

(11) REUSE DOOR 111. REFER TO D111.

(12) REUSE DOOR 110a. REFER TO D111.

RELOCATE EXISTING POWER AND DATA FEEDS IN COORDINATION WITH NEW MODULAR FURNITURE LAYOUT.

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Consultan

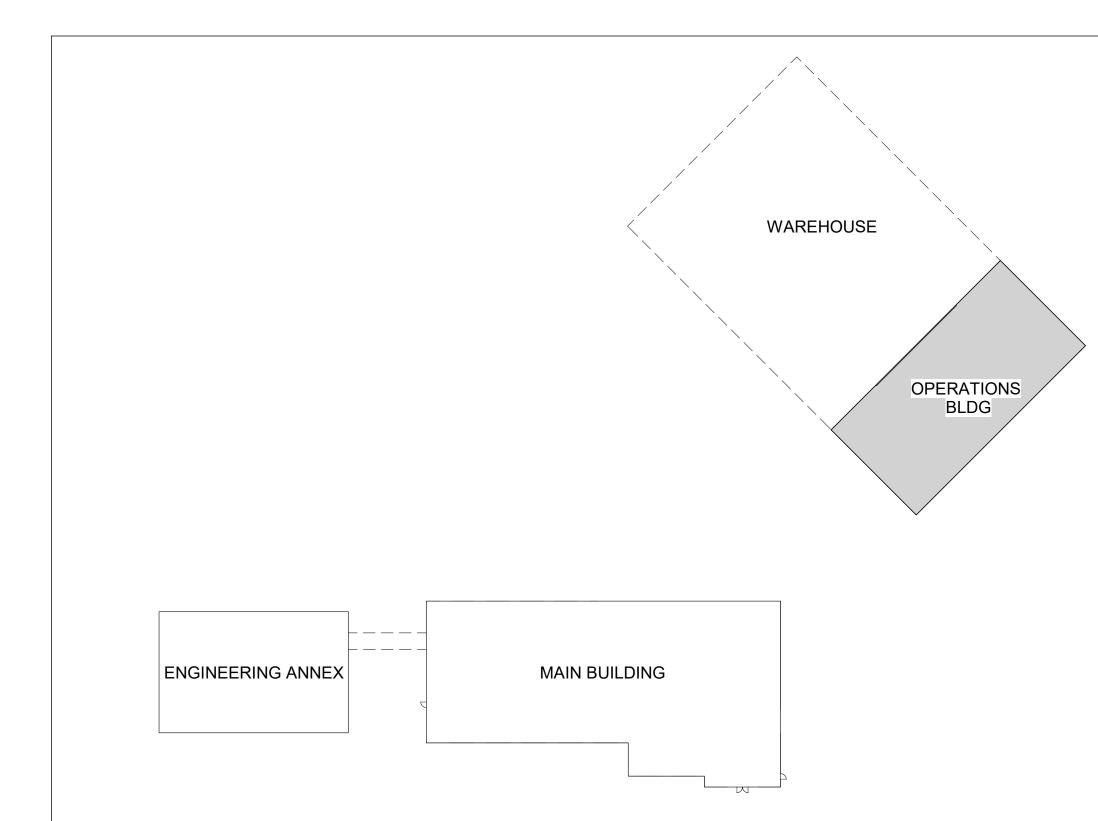
CONSOLIDATED UTILITY DISTRICT 2022 RENOVATION - PHASE 2

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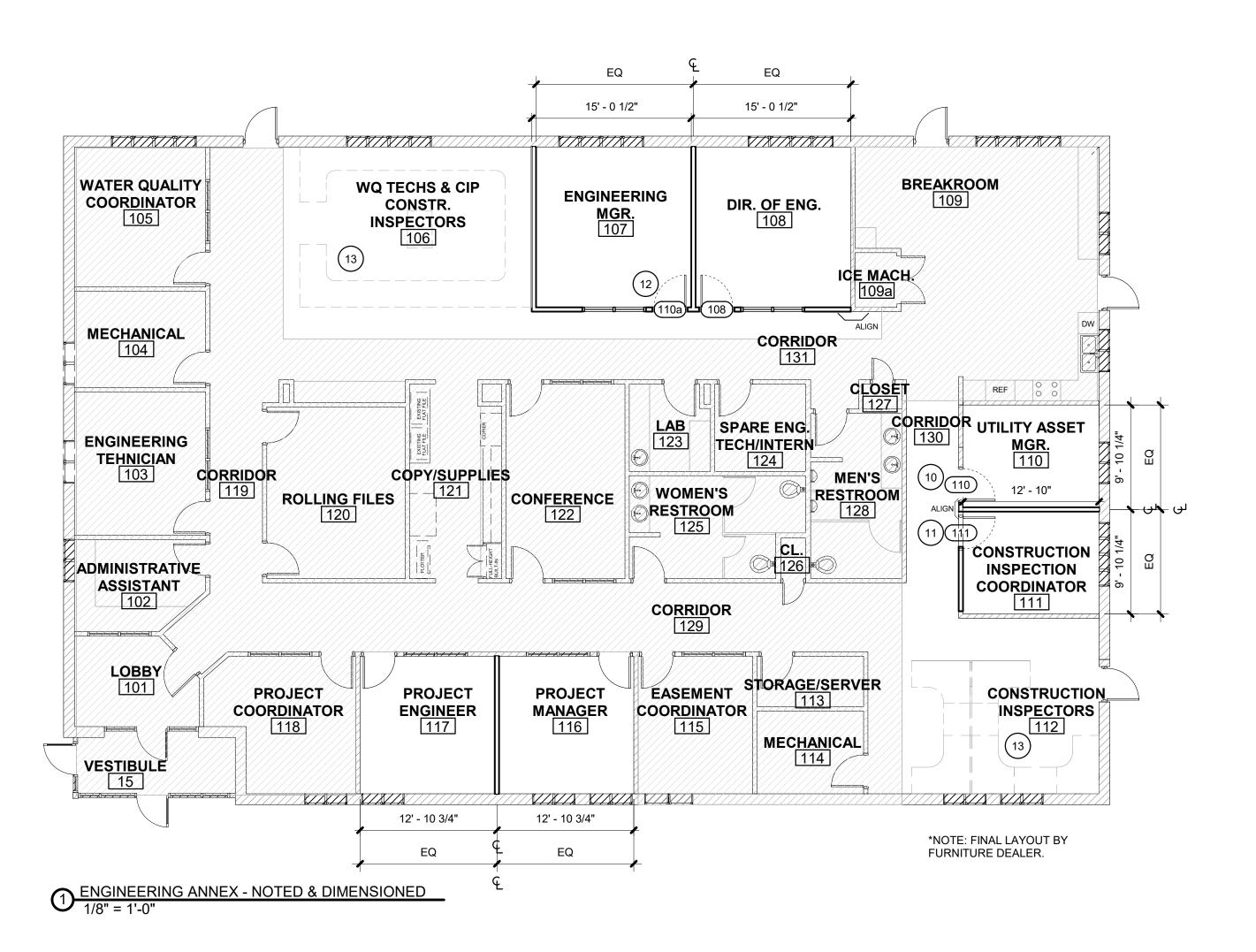
OPERATIONS BLDG - NOTED & DIMENSIONED PLAN

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**KEY PLAN** 



PLAN LEGEND

B B

TYPE A - METAL STUD PARTITION TO 6" ABOVE CEILING (ALL WALLS ARE TYPE A UNLESS OTHERWISE NOTED)

TYPE B - METAL STUD PARTITION TO 6" ABOVE CEILING WITH SOUND INSULATION

EXISTING CONSTRUCTION TO REMAIN

FIRE EXTINGUISHER CABINET

#### GENERAL PLAN NOTES

- 1. ALL NEW WALLS SHOWN TO BE 3-5/8" METAL STUDS UNLESS NOTED OTHERWISE. 2. WALLS ARE TYPE A UNLESS INDICATED OTHERWISE.
- ALL WALLS TO CONTINUE TO UNDERSIDE OF DECK UNLESS NOTED OTHERWISE.
   FIRE RATED AND SOUND ATTENUATED PARTITIONS ARE INDICATED ON THIS SHEET PER THE LEGEND ABOVE. REFER TO SHEET A100 FOR WALL TYPES INDICATED ON THIS PLAN WITH A HATCH PATTERN OR DIAMOND.
- 5. FIRE RESISTIVE RATED PARTITIONS ARE THE BE CONTINUOUS AND INSTALLED IN ACCORDANCE WITH U.L. OR OTHER LISTED TESTING AGENCY CONSTRUCTION DESIGN SPECIFICATIONS. RESISTANCE CONTINUITY TO BE MAINTAINED PER CODE REQUIREMENTS THROUGH INTERSTITIAL, FURRED AREAS, VOID SPACES, PENETRATIONS, AND MOUNTED EQUIPMENT BOXES.
- 6. PROVIDE DUST SHIELD AND CONSTRUCTION BARRIERS DURING CONSTRUCTION.
  7. PROVIDE BLOCKING IN WALL FOR ALL WALL MOUNTED HANDRAILES, MILLWORK,
- TOILET ACCESSORIES, GRAB BARS, OR OTHER WALL HUNG ITEMS.

  8. EXISTING FIRE RESISTANCE RATINGS TO BE MAINTAINED OR REPAIRED AT PARTITIONS TO REMAIN, VERTICAL PENETRATIONS, AND HORIZONTAL
- SEPARATIONS.

  9. DOORS AND/OR WALLS WITHOUT TAGS ARE INTENDED TO BE EXISTING TO REMAIN. REVIEW CONDITIONS AND REPORT DISCREPENCIES.

  10. DIMENSIONS MEASURED FROM INTERIOR FACE OF EXISTING WALL TO FRAME OF NEW WALL.

  11. AUDIO/AV TO BE COORDINATED WITH OWNER.

#### PLAN KEYNOTES

1 NOT USED.

2 NOT USED.

2 NOT USED.

3 NOT USED.

4 NOT USED.

5 NOT USED.

6 NEW LOCATION FOR 12X12 CHASE THROUGH CEILING.

- 7 EXISTING WALL MOUNTED FUEL SYSTEM CONTROL PANEL. PROVIDE AND INSTALL DOOR STOP AT FLOOR.
- 8 NEW LOCATION FOR CORRIDOR DOOR.
- 9 EXISTING COUNTERS TO REMAIN.
- 10 REUSE DOOR 110. REFER TO D111.
- (11) REUSE DOOR 111. REFER TO D111.
- (12) REUSE DOOR 110a. REFER TO D111.

MAIN BLDG

**KEY PLAN** 

ENGINEERING ANNEX

- (12) KEGSE BOOK 110a. KETEK 10 B111.
- RELOCATE EXISTING POWER AND DATA FEEDS IN COORDINATION WITH NEW MODULAR FURNITURE LAYOUT.

WAREHOUSE



4030 ARMORY OAKS DRIVE NASHVILLE, TENNESSEE 37204 (615) 833-8716

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CONSOLIDATED UTILITY DISTRICT 2022 RENOVATION - PHASE 2 709 NEW SALEM RD, MURFREESBORO, TN 37129

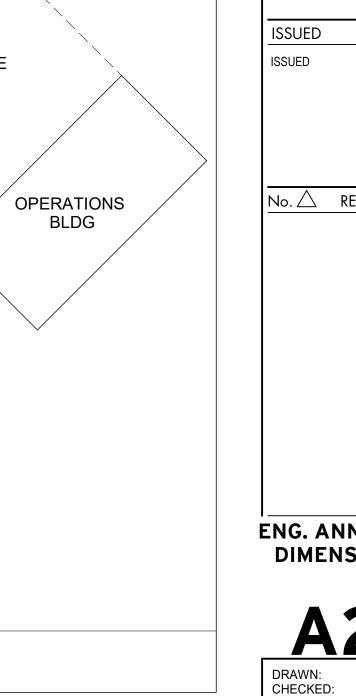


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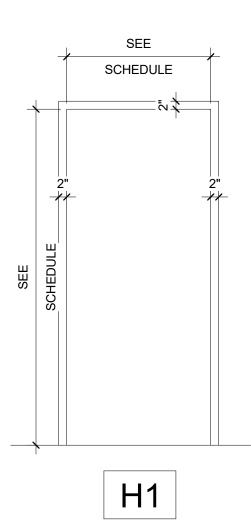
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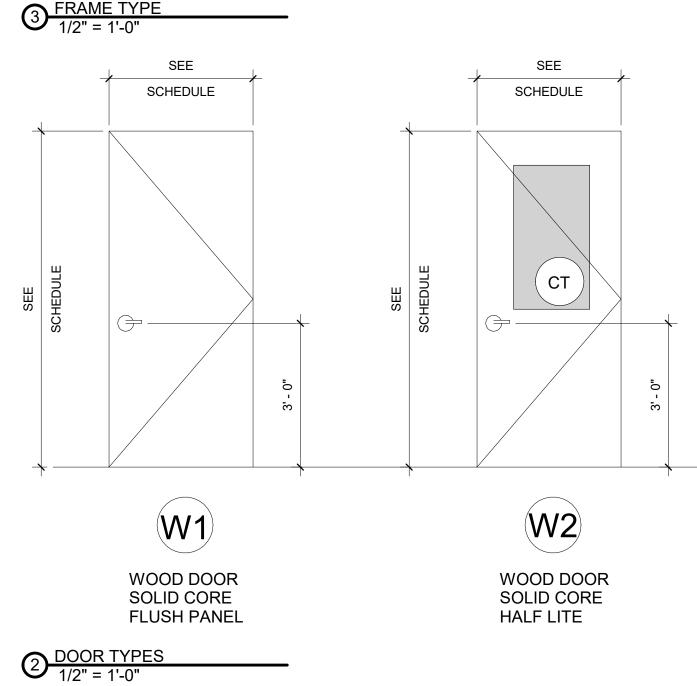


										(	OPERATION	NS BLDG DO	OR SCHEDULE			
	DOOR							FRAME			HARDWARE					
NUMBER	ROOM NAME	WIDTH	HEIGHT	THICK	TYPE	MATERIAL	FINISH	GLAZ	TYPE	MATERIAL	FINISH	RATING	SE	ET	NOTE	REMARKS
	1							1		T	T	ı	1			
111A	OFFICE	3' - 0"	7' - 0"	1 3/4"	W2	SCWD	MATCH EXISTING	СТ	H1	H.M.	PAINT	-	LOCKSET			MATCH EXISTING
111B	OFFICE	3' - 0"	7' - 0"	1 3/4"	W2	SCWD	MATCH EXISTING	СТ	H1	H.M.	PAINT	-	LOCKSET			MATCH EXISTING
111C	SEWER LAB	3' - 0"	7' - 0"	1 3/4"	W2	SCWD	MATCH EXISTING	СТ	H1	H.M.	PAINT	-	LOCKSET			REUSE EXISTING FROM CORRIDOR
112B	CLOSET	3' - 0"	7' - 0"	1 3/4"	W1	SCWD	MATCH EXISTING	-	H1	H.M.	PAINT	-	LOCKSET			MATCH EXISTING
119B	STORAGE	3' - 0"	7' - 0"	1 3/4"	W1	SCWD	MATCH EXISTING	-	H1	H.M.	PAINT	-	LOCKSET			MATCH EXISTING

										El	NGINEERI	NG ANNEX	DOOR SCHEDULE		
	DOOR FRAME HARDWARE														
NUMBER	ROOM NAME	WIDTH	HEIGHT	THICK	TYPE	MATERIAL	FINISH	GLAZ	TYPE	MATERIAL	FINISH	RATING	SET	NOTE	REMARKS
108	DIR. OF ENG.	3' - 0"	7' - 0"	1 3/4"	W2	SCWD	MATCH EXISTING	СТ	H1	H.M.	PAINT	-	LOCKSET		MATCH EXISTING
110	UTILITY ASSET MGR.	3' - 0"	7' - 0"	1 3/4"	W2	SCWD	MATCH EXISTING	СТ	H1	H.M.	PAINT	-	LOCKSET		REUSE EXISTING
110a	SR. PROJECT ENGINEER	3' - 0"	7' - 0"	1 3/4"	W2	SCWD	MATCH EXISTING	СТ	H1	H.M.	PAINT	-	LOCKSET		REUSE EXISTING
111	CONSTRUCTION INSPECTION COORDINATOR	3' - 0"	7' - 0"	1 3/4"	W2	SCWD	MATCH EXISTING	СТ	H1	H.M.	PAINT	-	LOCKSET		REUSE EXISTING



### HOLLOW METAL



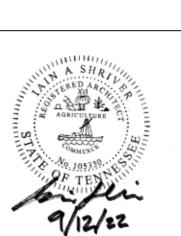
#### DOOR AND HARDWARE NOTES

- 1. NEW DOORS TO MATCH THE FINISH OF EXISTING DOORS.
- 2. NEW HARDWARE TO MATCH EXISTING ADA HARDWARE.
- 3. CT CLEAR TEMPERED GLASS.



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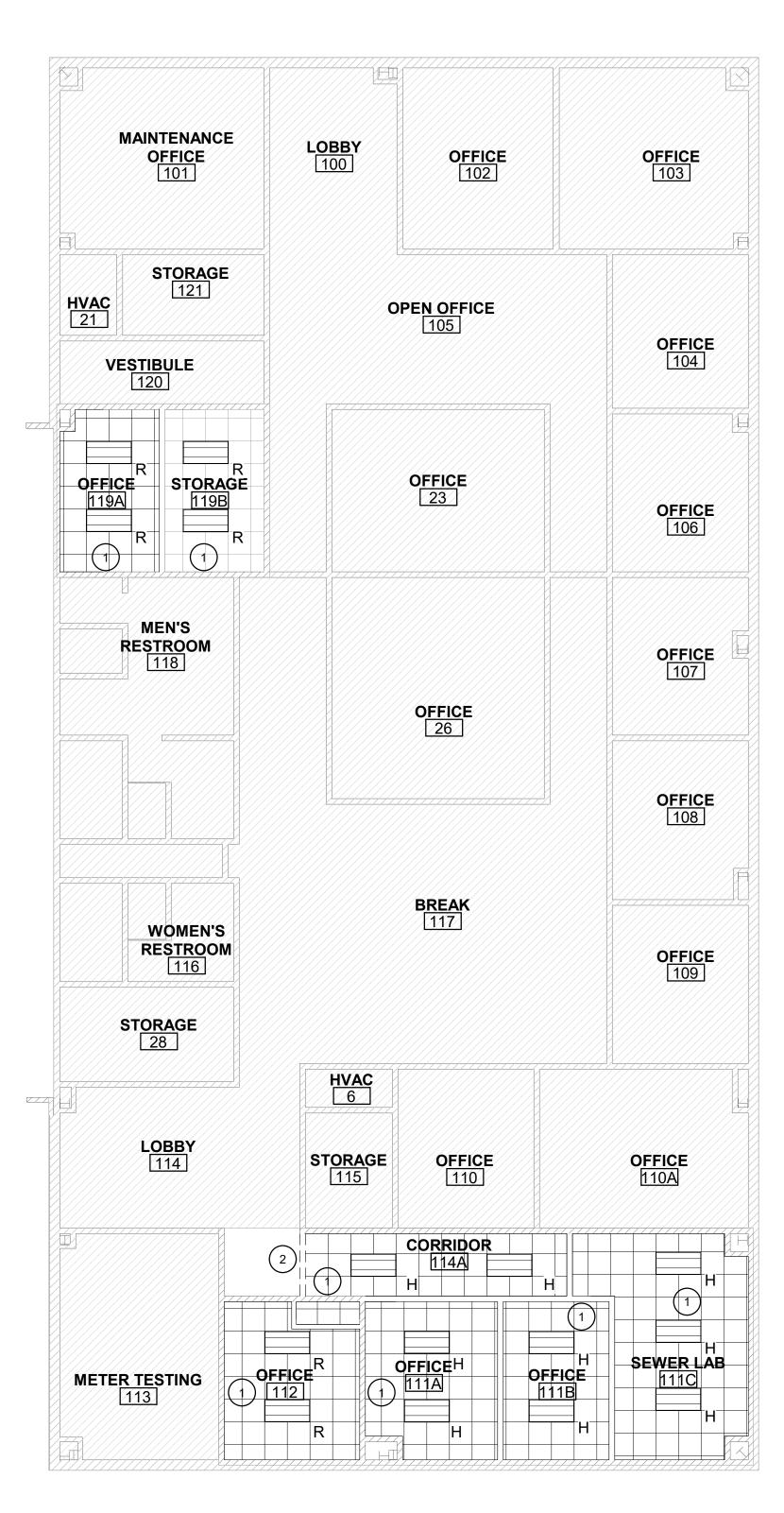
CONSOLIDATED UTILITY DISTRICT 2022 RENOVATION - PHASE 2



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OPERATIONS BLDG / WAREHOUSE - REFLECTED CEILING PLAN 1/8" = 1'-0"

#### **CEILING KEYNOTES**

1 PATCH AND MATCH CEILING TILE AND GRID AS NEEDED.

PROVIDE NEW DRYWALL HEADER TO MAINTAIN GRID IN LOBBY 114 - OPERATIONS BUILDING.

#### **CEILING LEGEND**

NEW GYPSUM BOARD CEILING SYSTEM EXISTING CEILING AREAS TO REMAIN NEW 2x2 SUSPENDED ACOUSTIC CEILING SYSTEM NEW 2x4 LED LIGHT FIXTURE REUSE 2x4 LIGHT FIXTURE CEILING HEIGHT (FROM FINISH FLOOR)

#### GENERAL CEILING NOTES

- CEILING DETAILS ARE GIVEN TO ILLUSTRATE DESIGN INTENT. GENERAL CONTRACTOR SHALL PROPOSE ALTERNATE CONSTRUCTION DETAILING WHEN APPROPRIATE UPON ARCHITECTS' APPROVAL.
- WHERE APPLICABLE, SEE INTERIOR AND EXTERIOR WALL SECTIONS FOR ADDITIONAL CEILING DETAILS NOT SHOWN ON THIS DRAWING SHEET.
- ALL EXPOSED DUCTWORK AND CONDUIT TO BE PAINTED TO MATCH CEILING.
- 4. HVAC DIFFUSERS ILLUSTRATED FOR DESIRED AESTHETIC IMPACT ONLY.
  CONTRACTOR TO COORDINATE FUNCTIONAL REQUIREMENT DESIGN / BUILD SUBCONTRACTOR.
- HANGER WIRES ARE REQUIRED AT ALL FOUR CORNERS OF ALL LIGHT FIXTURES, REGISTERS, GRILLS AND ANY ARCHITECTURAL FEATURES UNLESS OTHER MEANS OF SUPPORT IS PROVIDED.
- GROUPED AND RUN IN 90 DEGREE ANGLES TO PREDOMINANT STRUCTURE OF

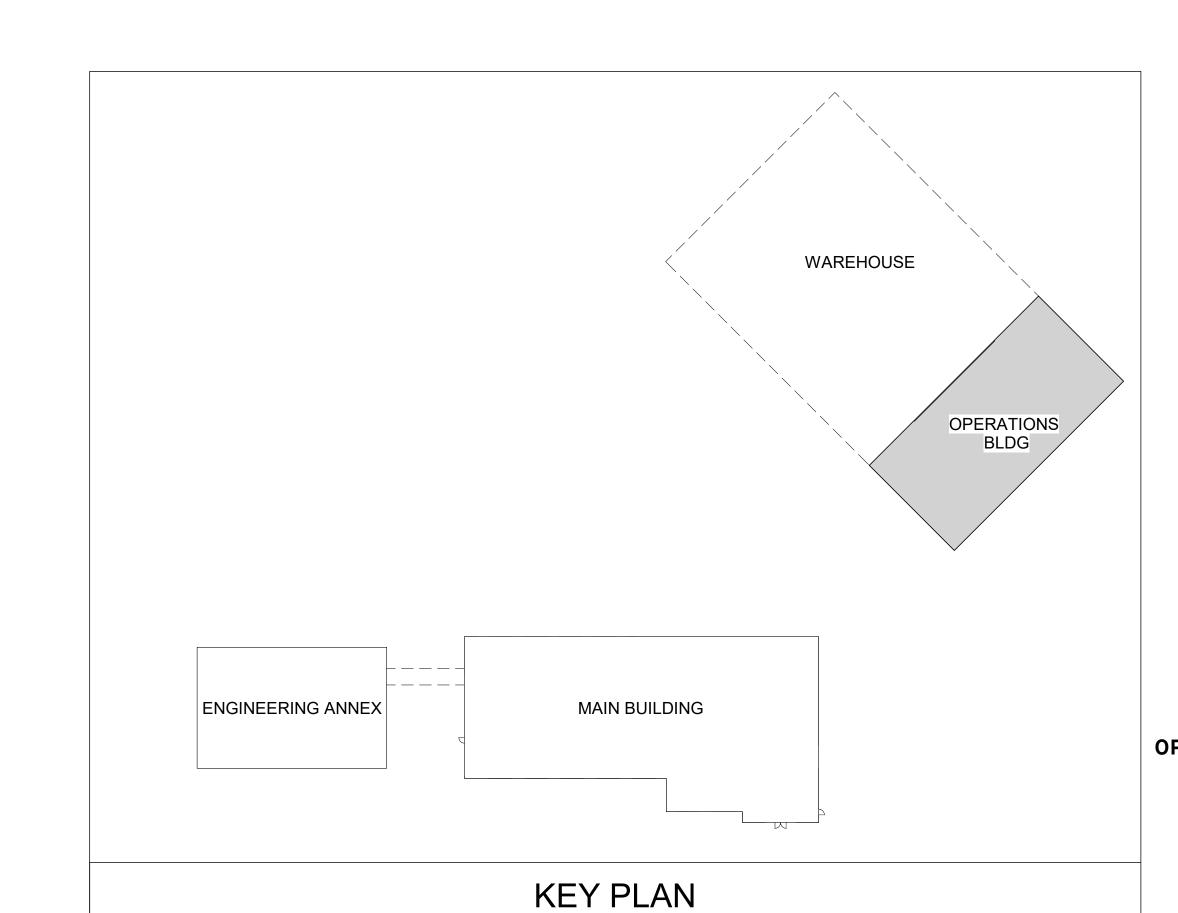
ALL CONDUIT ON EXPOSED CONCRETE CEILINGS TO BE HARD CONDUIT

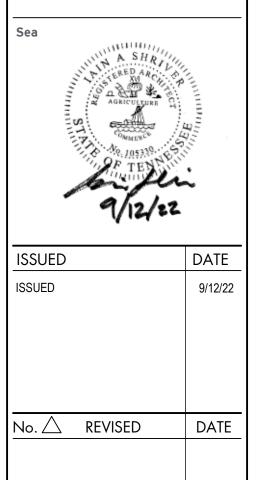
- ALL MULTIPLE SWITCH LOCATIONS ARE TO BE GANGED AND INSTALLED WITH A SINGLE FACE PLATE. COVER PLATES SHALL NOT MODIFIED. ALL CEILING ANGLES SHALL BE TIGHT TO PARTITION, FREE FROM DEFECTS, BREAKS AND OTHER IRREGULARITIES. WHERE PAINT IS REQUIRED FOR THE PARTITION FINISH.
- 9. SPEAKERS, SMOKE DETECTORS, SENSORS AND SPRINKLER HEADS ARE TO BE
- 10. WHERE SPRINKLER HEADS OCCUR WITHIN DRYWALL BULKHEADS OR CEILINGS, HEADS SHALL BE CONCEALED.

CONSOLIDATED UTILITY DISTRICT 2022 RENOVATION - PHASE 2

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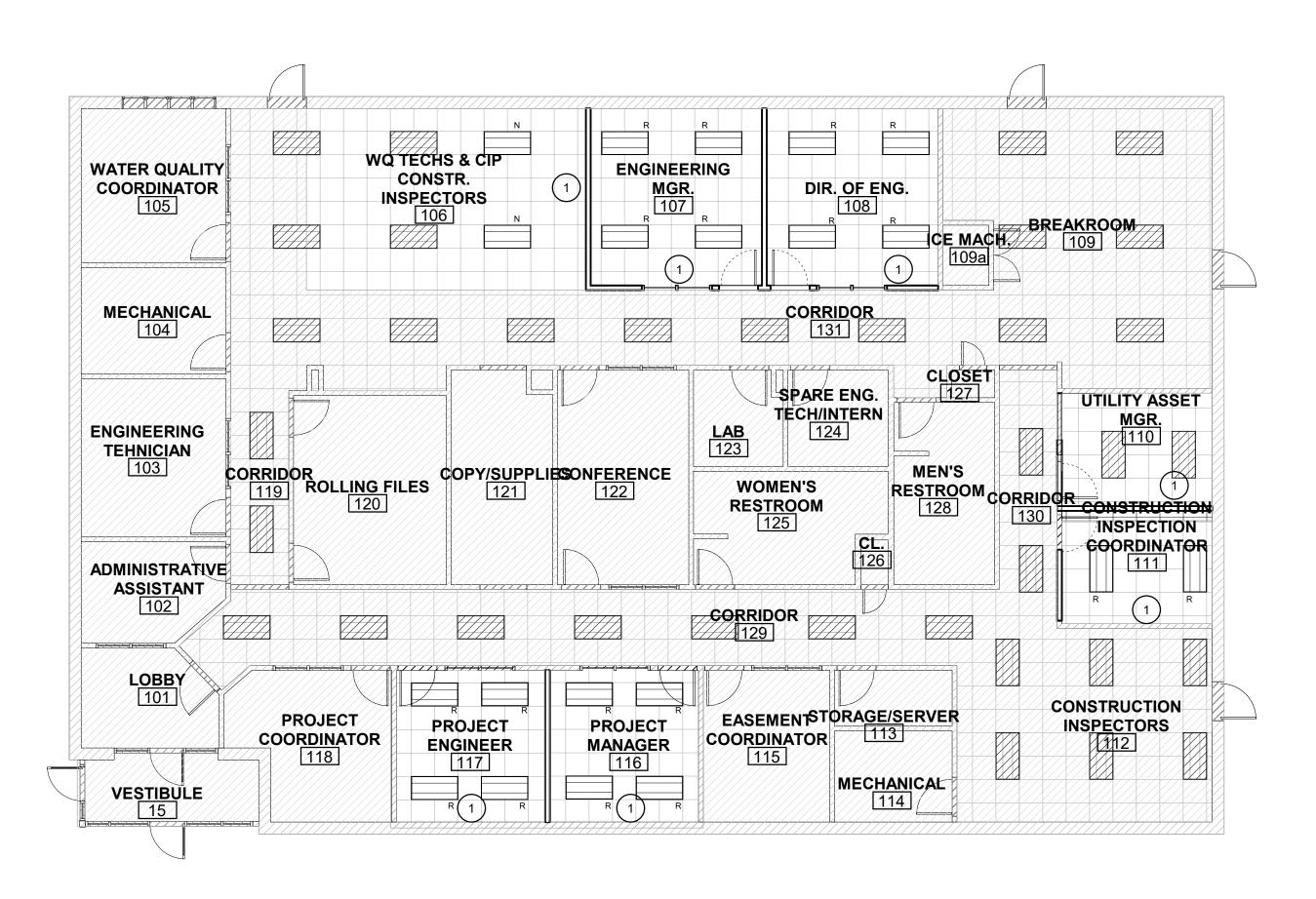




OPERATIONS BLDG - REFLECTED CEILING PLAN

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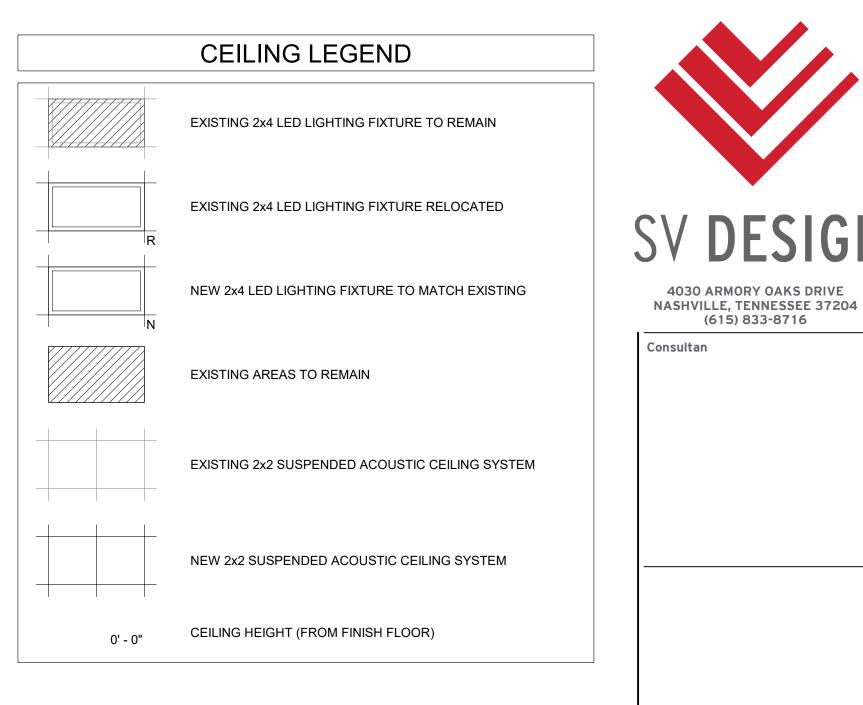
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1/8" = 1'-0"

#### CEILING KEYNOTES

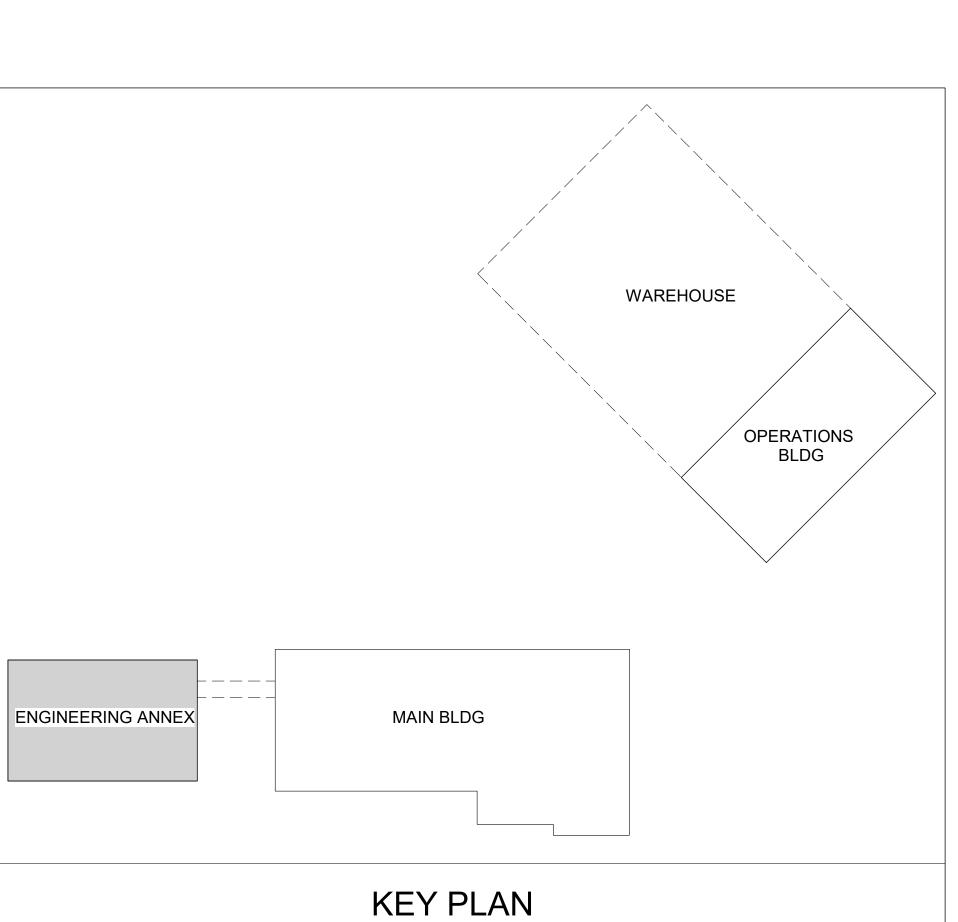
- 1 PATCH AND MATCH CEILING TILE AND GRID AS NEEDED.
- PROVIDE NEW DRYWALL HEADER TO MAINTAIN GRID IN LOBBY 114 OPERATIONS BUILDING.



#### GENERAL CEILING NOTES

- CEILING DETAILS ARE GIVEN TO ILLUSTRATE DESIGN INTENT. GENERAL CONTRACTOR SHALL PROPOSE ALTERNATE CONSTRUCTION DETAILING WHEN APPROPRIATE UPON ARCHITECTS' APPROVAL.
- WHERE APPLICABLE, SEE INTERIOR AND EXTERIOR WALL SECTIONS FOR ADDITIONAL CEILING DETAILS NOT SHOWN ON THIS DRAWING SHEET.

  HVAC DIFFUSERS ILLUSTRATED FOR DESIRED AESTHETIC IMPACT ONLY. CONTRACTOR TO COORDINATE FUNCTIONAL REQUIREMENT DESIGN / BUILD SUBCONTRACTOR.
- HANGER WIRES ARE REQUIRED AT ALL FOUR CORNERS OF ALL LIGHT FIXTURES, REGISTERS, GRILLS AND ANY ARCHITECTURAL FEATURES UNLESS OTHER MEANS OF SUPPORT IS PROVIDED.
- 5. ALL MULTIPLE SWITCH LOCATIONS ARE TO BE GANGED AND INSTALLED WITH A SINGLE FACE PLATE. COVER PLATES SHALL NOT MODIFIED.
- ALL CEILING ANGLES SHALL BE TIGHT TO PARTITION, FREE FROM DEFECTS, BREAKS AND OTHER IRREGULARITIES. WHERE PAINT IS REQUIRED FOR THE PARTITION FINISH, ANGLES SHALL BE CAULKED TO WALL PRIOR TO PAINT
- 7. SPEAKERS, SMOKE DETECTORS, AND SENSORS ARE TO BE CENTERED WITHIN CEILING TILES, UNLESS OTHERWISE NOTED.





CONSOLIDATED UTILITY DISTRICT 2022 RENOVATION - PHASE 2

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FINISH LEGEND									
PT1 EXTENT OF FINISH & ACCENT FINISH	MAT 2 → → MAT 1 TRANSITION OF MATERIALS								
FIN WALL BASE FINISH BASE TYPE	CEILING TYPE WALL FINISH BASE FINISH FLOOR FINISH								
AC ACOUSTICAL CEILING TILE AF ATHLETIC FLOORING CF CORK FLOORING CP CARPET FC FINISHED CONCRETE EC EXPOSED CEILING EP EPOXY PAINT ER EXISTING TO REMAIN FRP FIBERGLASS REINFORCED PANEL GYP GYPBOARD CEILING LF LAMINATE FLOORING ME MATCH EXISTING ML METAL LAMINATE NS NATURAL STONE PC PRIVACY CURTAIN PL PLASTIC LAMINATE PT PAINT RB RUBBER BASE SB STONE BASE	SC SEALED CONCRETE SF STONE FLOORING SM SPECIALTY MATERIAL SS SOLID SURFACE SV SHEET VINYL TB TILE BASE TF TILE FLOOR VB SEAMED VINYL COVE BASE VC VINYL COMPOSITION TILE VP VINYL PLANK VT VINYL TILE WB WOOD BASE WC WALLCOVERING WF WOOD FLOOR WP WALL PROTECTION WS WOOD STAIN WT WALL TILE WV WOOD VENEER QT QUARTZ								

#### GENERAL FINISH NOTES

- SEE FINISH PLANS, ELEVATIONS, DETAILS AND REFLECTED CEILING PLAN FOR CLARIFICATION OF EXTENT OF FINISH MATERIALS.
- NO SUBSTITUTIONS OF SPECIFIED FINISHES WILL BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE INTERIOR DESIGNER.
- THE DRAWINGS ATTACHED MAY NOT REFLECT ACTUAL FIELD CONDITIONS. IN NO CASE SHALL DIMENSIONS BE SCALED FROM DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND THE INTERIOR DESIGNER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR CONFLICTS WITH DIMENSIONS OR CONDITIONS IN THE FIELD BEFORE PROCEEDING WITH SUBSEQUENT WORK.
- THE GENERAL CONTRACTOR SHALL CAREFULLY STUDY AND COMPARE THE DOCUMENTS AND FINISH PLANS AND SHALL AT ONCE REPORT TO THE INTERIOR DESIGNER ANY ERROR, INCONSISTENCY OR OMISSION DISCOVERED.
- ALL SUBCONTRACTORS SHALL VISIT THE JOB SITE AND BECOME FAMILIAR WITH EXISTING CONDITIONS BEFORE SUBMITTING BIDS AND/OR PROCEEDING WITH ANY WORK. SUBMISSION OF BID INDICATES THAT THE CONTRACTOR HAS VERIFIED EXISTING
- ALL SUBCONTRACTORS SHALL TAKE OUT ALL NECESSARY INSURANCES TO INDEMNIFY AND HOLD HARMLESS THE OWNER, ARCHITECT AND AGENTS THEREOF FROM ANY DAMAGES RESULTING FROM CONTRACTORS' EXECUTION OF WORK.
- ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE BUILDING CODE, OSHA, ALL OTHER APPLICABLE CODES AND ALL OTHER GOVERNING AUTHORITIES HAVING JURISDICTION.
- SUBCONTRACTORS SHALL PROVIDE SUBMITTALS TO THE INTERIOR DESIGNER VIA GENERAL CONTRACTOR FOR APPROVAL PRIOR TO FABRICATING OR PURCHASING MATERIALS. ALL SUBMITTALS SHALL BE CLEARLY MARKED WITH MANUFACTURER, STYLE, COLOR AND FINISH MATERIAL LEGEND CODE. ALL PAINT SUBMITTALS MUST INDICATE PAINT COLOR FORMULA AS WELL AS STORE LOCATION WHERE PAINT IS TO BE PURCHASED.
- ALL PARTIES RESPONSIBLE FOR DELIVERING FINISHES TO THE SITE SHALL CHECK QUANTITIES AND DELIVERY DATES AS SOON AS BID IS AWARDED. CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL DELIVERY LEAD TIMES FOR FINISH MATERIALS AND FABRICATION WITHIN THE CONSTRUCTION SCHEDULE. ALL DELIVERY TIMES MUST BE CONFIRMED, AND ANY EXCESSIVE LEAD TIME MUST BE BROUGHT TO THE INTERIOR DESIGNER'S ATTENTION IMMEDIATELY.
- 10. ALL FINISH MATERIALS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDED SPECIFICATIONS, INSTRUCTIONS AND REQUIREMENTS.
- 11. GENERAL CONTRACTOR IS RESPONSIBLE FOR COMPLETING AND ACTIVATING ALL FINISH WARRANTIES. ALL WORK SHALL BE GUARANTEED AGAINST DEFECT FOR ONE YEAR.
- 12. GENERAL CONTRACTOR TO PROVIDE INSTALLATION AND MAINTENANCE MANUALS FOR ALL FINISH MATERIALS TO THE OWNER.
- 13. ALL RUBBISH AND DEBRIS RESULTING FROM DEMOLITION AND/OR NEW WORK SHALL BE DISPOSED OF OFFSITE AND SHALL NOT BE ALLOWED TO ACCUMULATE. ALL AREAS IN FACILITY ARE TO BE KEPT FREE AND CLEAR OF MISCELLANEOUS CONSTRUCTION EQUIPMENT, MATERIALS, DEBRIS, ETC. WORK AREAS SHALL BE CLEANED AND PICKED UP DAILY. AFTER INSTALLATION OF FLOORING, NO FOOD OR BEVERAGE ALLOWED IN FINISHED AREAS.
- THE CONTRACTOR SHALL, UPON COMPLETION, REMOVE ALL SPLATTERED PAINT, ADHESIVE OR OTHER DEBRIS FROM FINISHED SURFACES, LIGHT FIXTURES, DIFFUSERS, REGISTERS, CASEWORK, DOORS, WINDOWS, TRIM, ETC.
- 15. FINAL CLEANUP: THE CONTRACTOR SHALL MAKE CERTAIN THAT ALL HOUSEKEEPING CLEANUP ITEMS ARE DONE PRIOR TO MOVE-IN. THIS WOULD INCLUDE WIPING DOWN. CLEANING GLASS, LIGHT LENS AND AIR DIFFUSERS; WASHING, WAXING, VACUUMING, AND ANY OTHER SERVICES WHICH WOULD BE PERFORMED UNDER THE CONTRACTOR'S MAINTENANCE CLEANING PROGRAMS. UPON COMPLETION OF WORK, ALL WASTE MATERIAL, RUBBISH, TOOLS, CONSTRUCTION EQUIPMENT, AND OTHER SURPLUS MATERIALS SHALL BE REMOVED FROM THE SITE.
- 16. ALL FURNISHINGS ARE TO BE OWNER FURNISHED, OWNER INSTALLED.
- 17. SUBCONTRACTOR IS TO PROVIDE "SURPLUS" STOCK AS NOTED BELOW. SURPLUS STOCK SHALL BE PROVIDED ON EACH DIFFERENT MANUFACTURER, STYLE, COLOR AND FINISH SPECIFIED: REFER TO SPECIFICATIONS SECTION (IF APPLICABLE) FOR ADDITIONAL INFORMATION. FINAL PAYMENT SHALL NOT BE MADE UNTIL STOCK IS DELIVERED.

RESILIENT FLOORING: PROVIDE 3 BOXES EACH OF VT1 AND VP1 CARPET: PROVIDE 2 BOXES EACH OF CP1.

	CE	ILING FINISH	HES
SYMBOL	DESCRIPTION	SPECIFICATION	
AC1 NOT USED	ACOUSTICAL CEILING	MFG: STYLE: SIZE: COLOR:	NOT USED
	CEILING GRID	MFG: STYLE: COLOR:	NOT USED
AC2	ACOUSTICAL CEILING	MFG: STYLE: SIZE: COLOR:	ARMSTRONG TBD TBD TBD
ENG. ANNEX	CEILING GRID	MFG: STYLE: COLOR:	ARMSTRONG PRELUDE 15/16" WHITE
AC3	ACOUSTICAL CEILING	MFG: STYLE: SIZE: COLOR:	ARMSTRONG FINE FISSURED 24" X 48" WHITE
OPERATIONS BLDG	CEILING GRID	MFG: STYLE: COLOR:	ARMSTRONG PRELUDE 15/16" WHITE

#### CEILING FINISH NOTES

- 1. WHEN INSTALLING LAY-IN CEILINGS, LAYOUT GRID IN ROOM SO CUT TILES AT PERIMETER ARE NO LESS THAN 9" WIDE.
- 2. EXPOSED FIELD CUT EDGES OF CEILING TILE SHALL BE REPAINTED TO RESTORE ORIGINAL FINISH, PER MANUFACTURER'S RECOMMENDATIONS.
- 3. PAINT RETURN GRILLS, AIR SUPPLY GRILLS, AND ACCESS PANELS TO MATCH ADJACENT CEILING FINISH.
- 4. ALL SURFACES SHALL BE PREPARED TO RECEIVE THE SPECIFIED FINISH. ALL GYPSUM BOARD SURFACES SHALL BE TAPED AND SANDED SMOOTH AND PREPARED TO RECEIVE THE SPECIFIED FINISH. PAINT GRADE WOODWORK SHALL BE HAND SANDED BETWEEN COATS AND DUSTED CLEAN. ALL HOLES, PITCH POCKETS OR SAPPY PORTIONS SHALL BE SCRAPED AND SEALED. HAIL HOLES, CRACKS OR DEFECTS SHALL BE PUTTIED AFTER FIRST COAT, WITH PUTTY MATCHING COLOR OF STAIN OR PAINT FINISH. REMOVE OIL OR GREASE WITH MINERAL SPIRITS.

WALL FINISHES									
SYMBOL	DESCRIPTION	SPECIFICATION							
PT1	PAINT ENG. ANNEX 1 PRIMER COAT 2 FINISH COATS	MFG: COLOR: FINISH:	SHERWIN WILLIAMS MACADAMIA SW6142 LATEX SATIN						
PT2	PAINT ENG. ANNEX 1 PRIMER COAT 2 FINISH COATS	MFG: COLOR: FINISH:	SHERWIN WILLIAMS TEMPE STAR SW6229 LATEX SATIN						
РТ3	PAINT (TRIM) <b>NOT USED</b> 1 PRIMER COAT 2 FINISH COATS	MFG: COLOR: FINISH:	NOT USED						
PT3	PAINT (TRIM) ENGIN. ANNEX 1 PRIMER COAT 2 FINISH COATS	MFG: COLOR: FINISH:	SHERWIN WILLIAMS TBD (MATCH EXISTING) SEMI-GLOSS ALKYD ENAMEL						
PT5	PAINT OPERATIONS BLDG  1 PRIMER COAT 2 FINISH COATS	MFG: COLOR: FINISH:	SHERWIN WILLIAMS TBD (MATCH EXISTING) LATEX SATIN						
PT6	PAINT (TRIM) OPERATIONS BLDG  1 PRIMER COAT 2 FINISH COATS	MFG: COLOR: FINISH:	SHERWIN WILLIAMS TBD (MATCH EXISTING) SEMI-GLOSS ALKYD ENAMEL						

#### WALL FINISH NOTES

- NO PAINTING OR INTERIOR FINISHING SHALL BE DONE UNDER CONDITIONS WHICH WILL JEOPARDIZE THE QUALITY OR APPEARANCE OF SUCH WORK. ALL WORKMANSHIP WHICH IS JUDGED LESS THAN FIRST QUALITY BY THE INTERIOR DESIGNER WILL BE REJECTED.
- ALL SURFACES SHALL BE PREPARED TO RECEIVE THE SPECIFIED FINISH. ALL GYPSUM BOARD SURFACES SHALL BE TAPED AND SANDED SMOOTH AND PREPARED TO RECEIVE THE SPECIFIED FINISH. PAINT GRADE WOODWORK SHALL BE HAND SANDED BETWEEN COATS AND DUSTED CLEAN. ALL HOLES, PITCH POCKETS OR SAPPY PORTIONS SHALL BE SCRAPED AND SEALED. NAIL HOLES, CRACKS OR DEFECTS SHALL BE PUTTIED AFTER FIRST COAT, WITH PUTTY MATCHING COLOR OF STAIN OR PAINT FINISH. REMOVE OIL OR GREASE WITH
- ALL CRACKS, HOLES, IMPERFECTIONS IN EXISTING WALLS, PARTITIONS OR GYP. BD. SHALL BE FILLED WITH PATCHING PLASTER AND SMOOTHED TO MATCH ADJOINING SURFACES.
- INTERIOR GYPSUM BOARD SURFACES SHALL BE WIPED WITH A DAMP CLOTH JUST PRIOR TO APPLICATION OF THE FIRST COAT, IN ORDER TO LAY FLAT ANY NAP WHICH MAY HAVE FORMED IN SANDING PROCESS.
- PAINTING CONTRACTOR TO VERIFY ALL FINISHES FOR PROPER PRIMER APPLICATIONS.
- PROVIDE INTERIOR DESIGNER WITH A MINIMUM OF (3) 8" x 10" BRUSH-OUTS OF EACH COLOR AND FINISH FOR APPROVAL AT LEAST 2 WEEKS PRIOR TO SITE APPLICATION. ONE 3' x 3' ON-SITE APPLICATION OF EACH WALL COLOR WILL BE REQUIRED ONE WEEK PRIOR TO FINAL APPROVAL. INTERIOR DESIGNER RESERVES THE RIGHT TO ADJUST ANY COLOR OR FINISH ONCE THE WALL TEST HAS BEEN MADE.
- MISCELLANEOUS METAL (RETURN AND AIR SUPPLY GRILLES, EXPANSION JOINTS, ETC.) LOCATED ON WALL SURFACES TO BE PAINTED TO MATCH ADJACENT WALL COLOR.
- REPAINT ALL NEW DOOR FRAMES PT3 AT MAIN BUILDING, PT6 AT OPERATIONS BUILDING, AND PT4 AT ENGINEERING ANNEX. METAL DOORS, WINDOW TRIM, AND VIEW WINDOW TRIM TO BE PAINTED PT3 AT MAIN BUILDING, PT6 AT OPERATIONS BUILDING AND PT4 AT ENGINEERING ANNEX, SEMI-GLOSS ALKYD ENAMEL, UNLESS OTHERWISE NOTED ON FINISH \*\* DO NOT PAINT FACTORY PREFINISHED FRAMES.
- CAULK ALL DOOR FRAMES AND VIEW WINDOW FRAMES AFTER PAINTING AND WALLCOVERING INSTALLATION IS COMPLETE. COLOR OF CAULK TO BE CLEAR FINISH, UNLESS OTHERWISE NOTED.

BASE FINISHES										
	SYMBOL	DESCRIPTION	SPECIFICATION							
	RB1	RUBBER BASE NOT USED	MFG: STYLE: COLOR: HEIGHT:	NOT USED						
	RB2	RUBBER BASE ENG. ANNEX	MFG: STYLE: COLOR: HEIGHT:	JOHNSONITE CONTINUOUS RUBBER COVE BASE MATCH EXISTING 4"						
	RB3	RUBBER BASE OPERATIONS BLDG.	MFG: STYLE: COLOR: HEIGHT:	JOHNSONITE CONTINUOUS RUBBER COVE BASE MATCH EXISTING 4"						

FLOORING FINISHES							
SYMBOL	DESCRIPTION	SPECIFICATION					
VP1	VINYL PLANK NOT USED	MFG: STYLE: COLOR: SIZE:	NOT USED				
VP2	VINYL PLANK ENG. ANNEX OFFICES	MFG: STYLE: COLOR: SIZE:	TARKETT PECAN ANTIQUE WOOD 302 VINTAGE CABIN 6"X36"				
VP3	VINYL PLANK ENG. ANNEX CORRIDORS	MFG: SERIES: STYLE: COLOR: SIZE:	TARKETT EVENT EHP HERITAGE PLANK 3354 HONEY OAK RUSTIC 6"X 36"				
VT1	VINYL TILE OPERATIONS BLDG.	MFG: STYLE: COLOR: SIZE:	TARKETT VINYL COMPOSITION TILE 1324 COOL GRAY 12"X12"				

#### BASE & FLOORING NOTES

- . RUBBER BASE IS TO BE CONTINUOUS ROLLS. **<u>DO NOT USE 4'-0" SECTIONS.</u>** MITER INSIDE CORNERS. WRAP OUTSIDE CORNERS (NO SEAM AT OUTSIDE CORNERS.)
- MODIFY EXISTING FLOOR SURFACES AS REQUIRED TO INSTALL NEW FLOORING MATERIALS, THUS PREVENTING NOTICEABLE LUMPS OR DEPRESSIONS. CONCRETE SLABS TO BE CURED AND DRY TO BOND WITH ADHESIVE. CONCRETE SLABS TO HAVE pH RANGE RECOMMENDED BY MANUFACTURER OF FLOORING MATERIAL. CONDUCT MOISTURE TESTING PER ASTM F2170 IN ALL AREAS TO RECEIVE FLOOR COVERING. DO NOT INSTALL FLOOR COVERING IF MOISTURE EXCEEDS 75% RH. INSTALL MOISTURE MITIGATION SYSTEM FOR MOISTURE UP TO 99.5% RH PRIOR TO INSTALLING FLOOR COVERING. PROVIDE WRITTEN REPORT TO ARCHITECT/DESIGNER.
- 3. WHERE NEW FLOOR COVERING AND/OR BASE IS SPECIFIED, THE SAME FLOOR COVERING AND/OR BASE SHALL EXTEND INTO ANY CLOSETS, STORAGE AREAS, ETC. ADJACENT TO THAT SPACE UNLESS OTHERWISE NOTED.
- 4. REFER TO MANUFACTURER'S GUIDELINES FOR FLOOR PREP AND INSTALLATION. ALL FLOORING ADHESIVES MUST MEET MANUFACTURER'S SPECIFICATIONS.
- CONTRACTOR IS RESPONSIBLE FOR NEW FLOOR PREPARATION, INITIAL CLEANING AND SEALING OR WAXING (IF REQUIRED). REFER TO MANUFACTURER'S GUIDELINES FOR CORRECT PROCEDURES AND PRODUCTS.
- 6. LAY OUT TILES FROM CENTER MARKS ESTABLISHED WITH PRINCIPAL WALLS, DISCOUNTING MINOR OFFSETS, SO TILES AT OPPOSITE EDGES OF ROOM ARE OF EQUAL WIDTH. ADJUST AS NECESSARY TO AVOID USING CUT WIDTHS THAT EQUAL LESS THAN 1/2 TILE AT PERIMETER, UNLESS OTHERWISE NOTED ON THE FLOOR
- ALL REDUCER STRIPS AND OTHER THRESHOLDS TO BE LOCATED AT THE OUTSIDE EDGE OF THE DOOR FRAME WHEN IN CLOSED POSITION.



**NASHVILLE, TENNESSEE 37204** 

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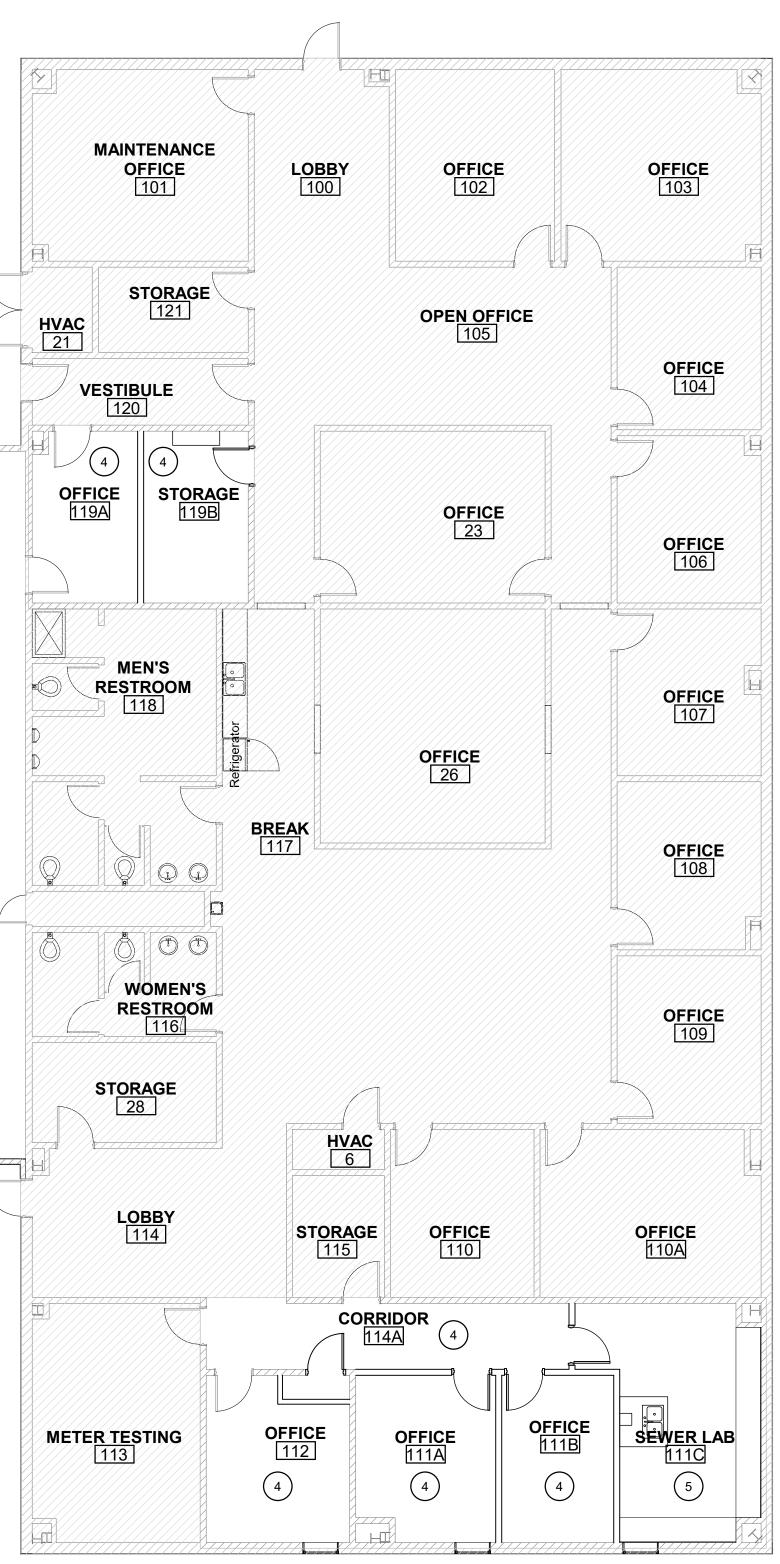
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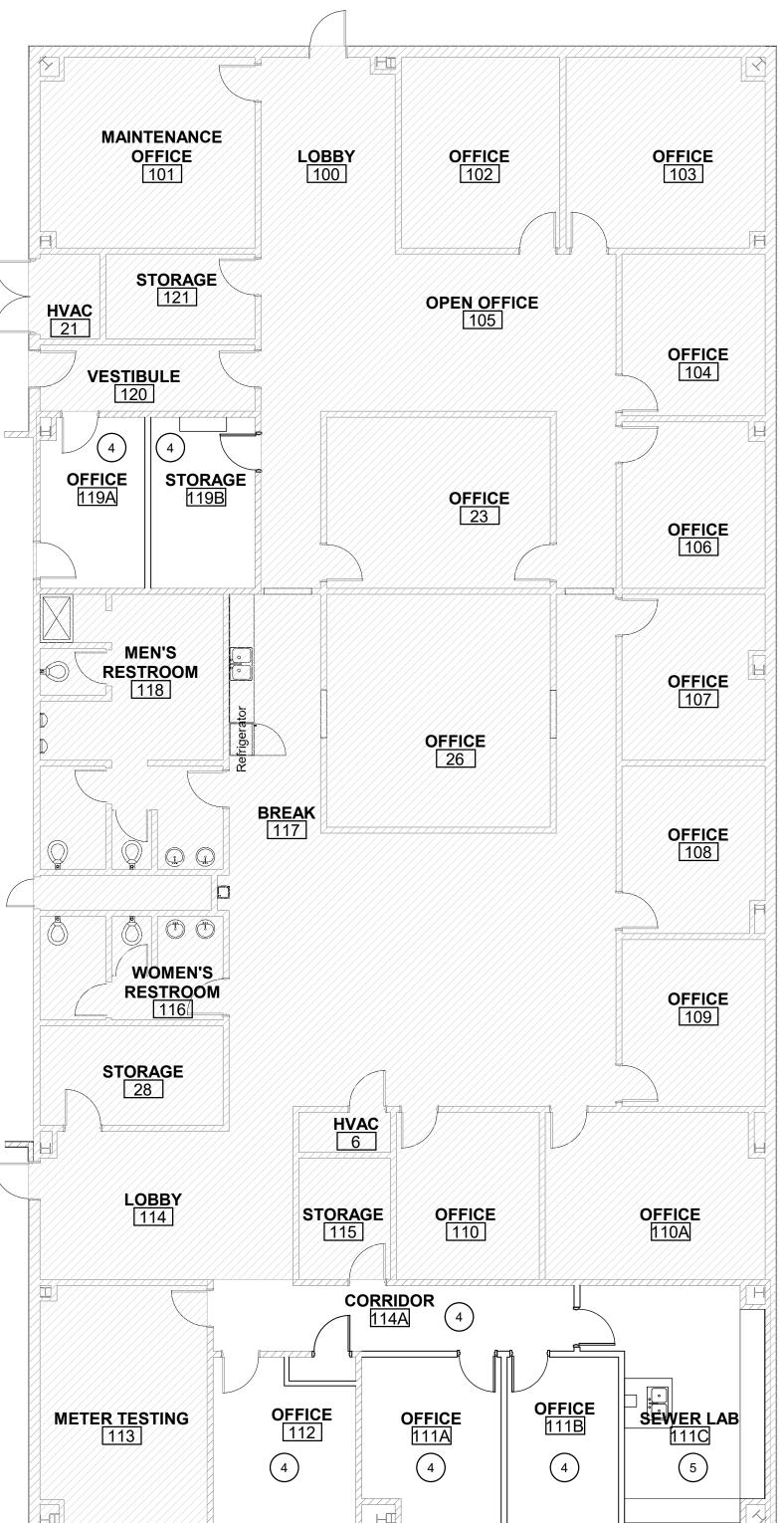


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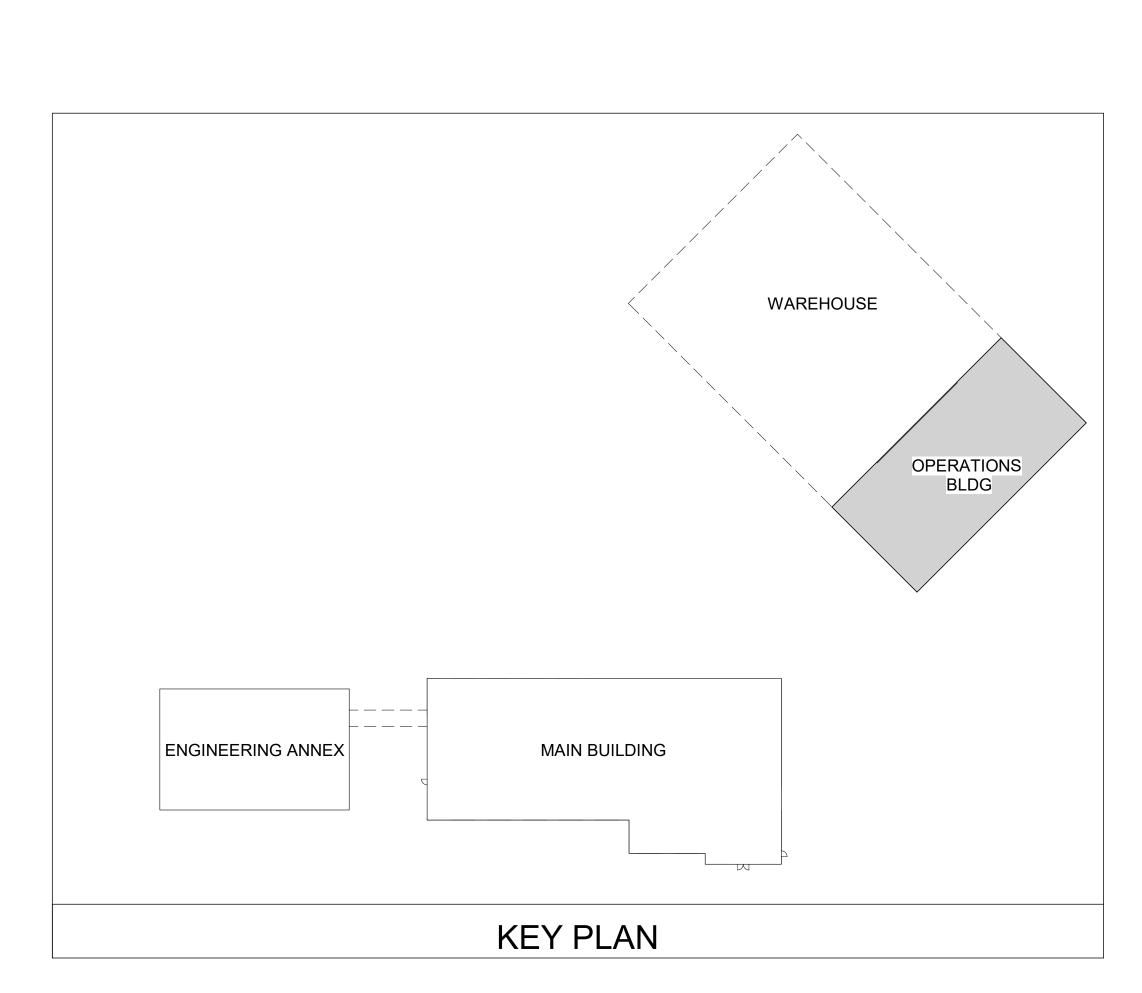
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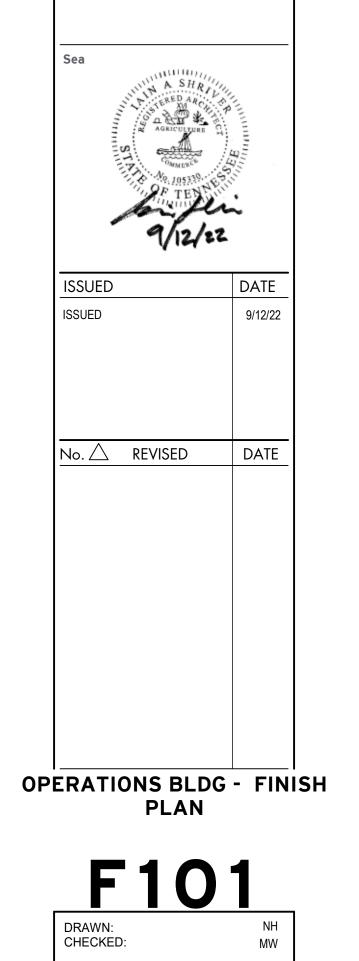


OPERATIONS BLDG. PHASE 2 FINISH PLAN
1/8" = 1'-0"









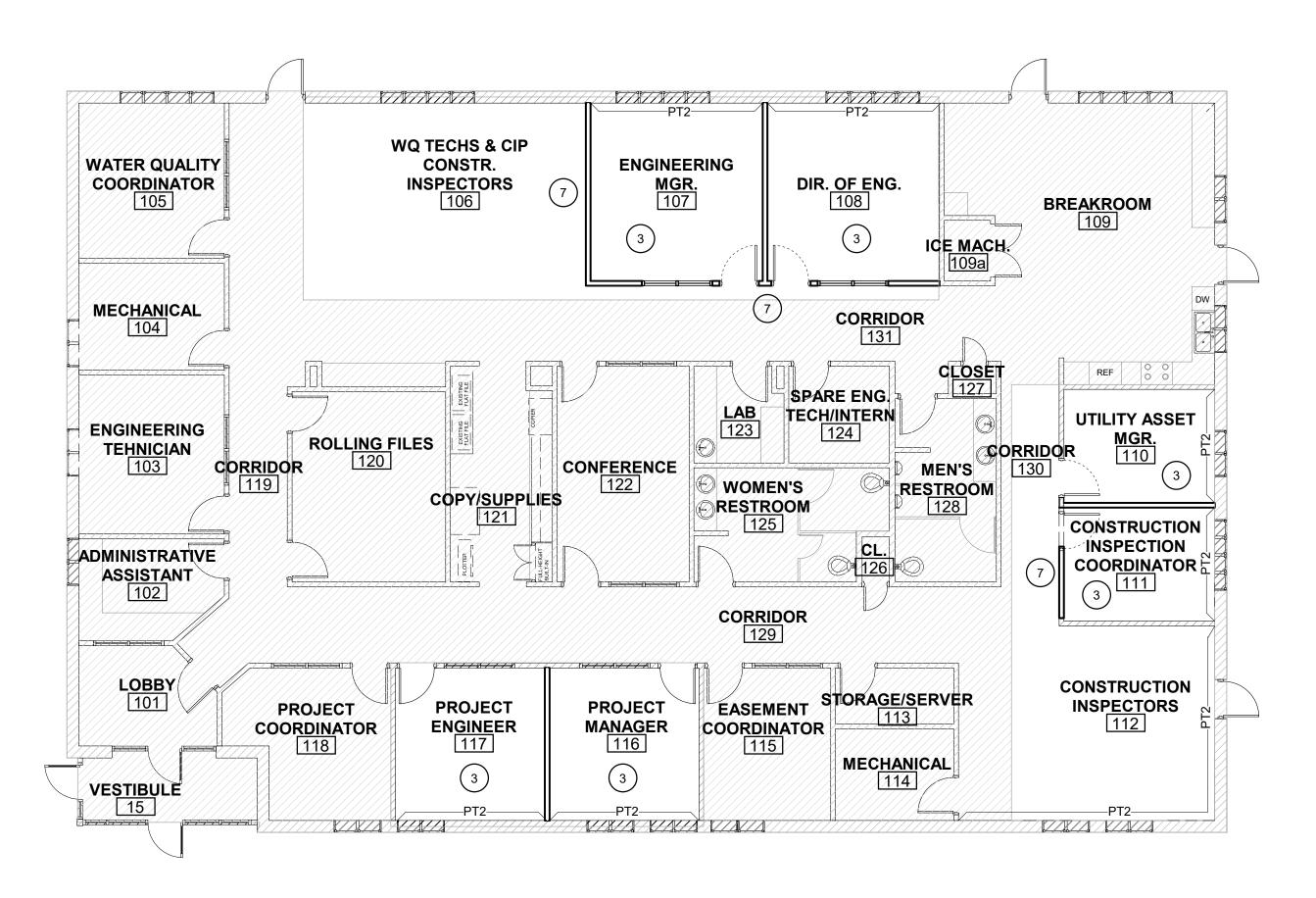
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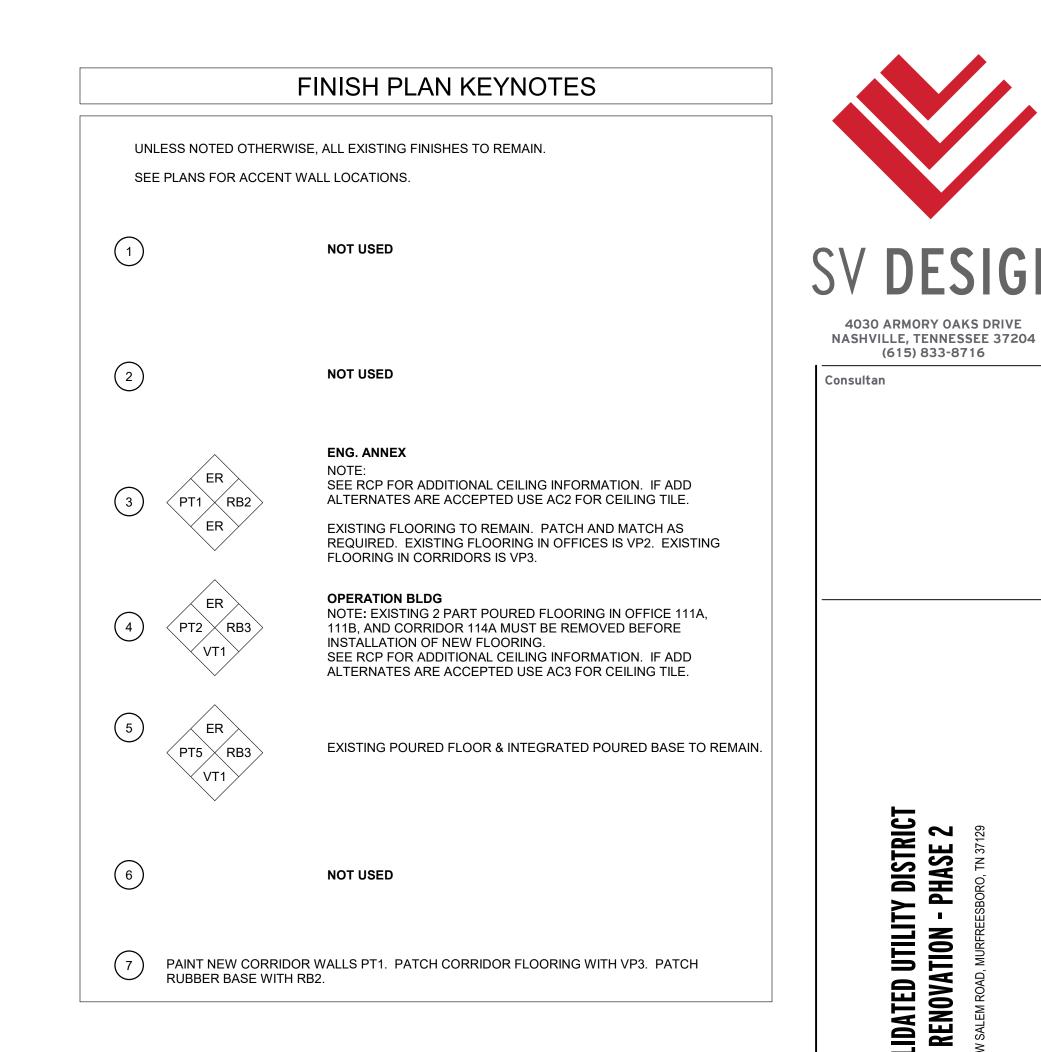
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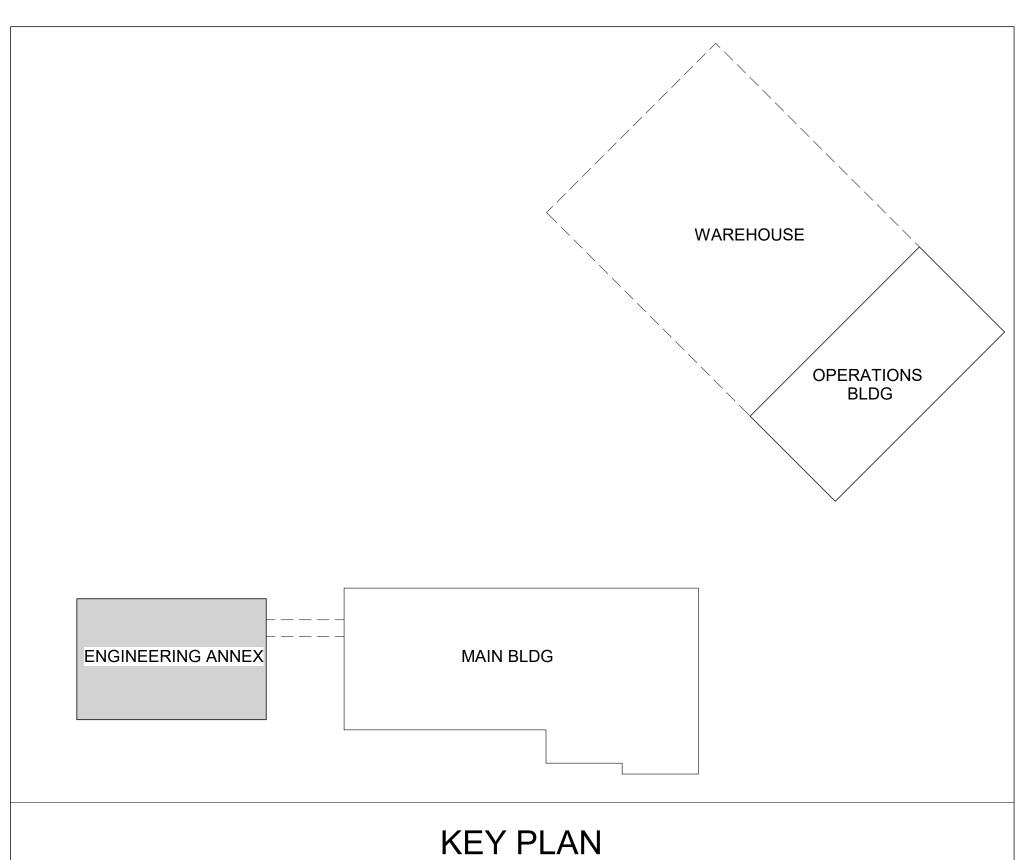
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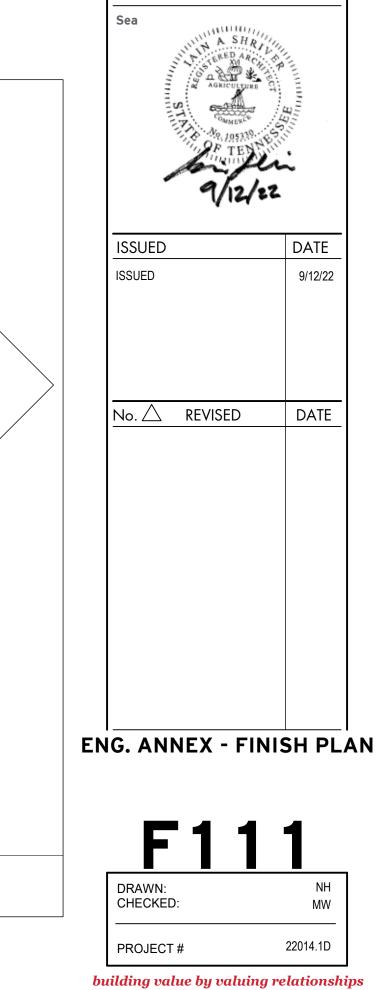
4030 ARMORY OAKS DRIVE

CONSOLIDATED UTILITY DISTRICT 2022 RENOVATION - PHASE 2









4030 ARMORY OAKS DRIVE

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CONSOLIDATED UTILITY DISTRICT 2022 RENOVATION - PHASE 2

		ELECT	RICAL LEGEND	
SYMBOL	DESCRIPTION MOUNTING HEIG TO CENTERLIN		DESCRIPTION	MOUNTING HEIGHT TO CENTERLINE
STWIDOL	UNO	JE STWIBOL		UNO
L	FLASHING LIGHT 80"		CONDUIT CONCEALED IN WALL OR CEILING.  CONDUIT CONCEALED IN FLOOR	
	CHIME/FLASHING LIGHT COMBINATION 80"		CONDUIT EXPOSED ON WALL OR CEILING.	
SD	MANUAL PULL STATION 46"  SMOKE DETECTOR CEILING		HOMERUN CONDUIT CONDUIT TURNING UP	
DSD (HD)	DUCT-SMOKE DETECTOR (DAMPER) OR (EXHAUST)  AUTOMATIC HEAT DETECTOR (RATE OF RISE TYPE)		CONDUIT TURNING DOWN SURFACE MOUNTED LIGHT FIXTURE ON NORMAL BRANCH CIRCUIT	
(SDE)	SYSTEM CONNECTED SMOKE DETECTOR FOR FIREMAN'S RECALL CEILING		SURFACE MOUNTED FIXTURE ON EMERGENCY BRANCH CIRCUIT	
FSD DH	FIRE SMOKE DAMPER  SMOKE DOOR HOLDER  6'-0"		RECESSED LIGHT FIXTURE ON NORMAL BRANCH CIRCUIT RECESSED LIGHT FIXTURE ON EMERGENCY BRANCH CIRCUIT	
TS	TAMPER SWITCH ———	HO	SURFACE MOUNTED WALL LIGHT FIXTURE ON NORMAL BRANCH CIRCUIT	
FS L	FLOW SWITCH CEILING FLASHING LIGHT/HORN SIGNAL STATION 80"		SURFACE MOUNTED WALL LIGHT FIXTURE ON EMERGENCY BRANCH CIRCUIT  RECESSED WALL LIGHT FIXTURE ON NORMAL BRANCH CIRCUIT	
L	FLASHING LIGHT SPEAKER SIGNAL STATION 80"	H	RECESSED MOUNTED WALL LIGHT FIXTURE ON EMERGENCY BRANCH CIRCUIT	
FAA	CONTROL PANEL  REMOTE ANNUNCIATOR  ———		SURFACE/SUSPENDED MOUNTED LIGHT FIXTURE ON NORMAL BRANCH CIRCUIT SURFACE/SUSPENDED MOUNTED LIGHT FIXTURE ON EMERGENCY BRANCH CIRCUIT	
(DC)	DOOR CONTACTOR  MISCELLANEOUS		RECESSED LIGHT FIXTURE ON NORMAL BRANCH CIRCUIT	
RGA	REMOTE GENERATOR ANNUNCIATOR —	<u> </u>	RECESSED LIGHT FIXTURE ON EMERGENCY BRANCH CIRCUIT  EXIT LIGHT, CEILING MOUNTED	
CR EDS	CARD READER ELECTRIC DOOR STRIKE	<u>+⊗</u>	EXIT LIGHT, WALL MOUNTED TWO HEAD BATTERY POWERED EMERGENCY EGRESS LIGHT	
MDL	MAGNETIC DOOR STRIKE	EBP	REMOTE EMERGENCY BATTERY PACK	
RMD RPB	REQUEST TO EXIT MOTION DETECTOR  REQUEST TO EXIT PUSH DETECTOR	"5"	LIGHTING FIXTURE TYPE DESIGNATION-SEE LIGHTING FIXTURE SCHEDULE  AREA OR STREET LIGHT FIXTURE	
$\triangleleft$	DATA DUPLEX 18"		AREA OR STREET LIGHT FIXTURE	
<u></u>	ABOVE COUNTER DATA DUPLEX 46" WIRELESS ACCESS POINT CEILING	— <u>—</u> —	DISCONNECT SWITCH, NON-FUSIBLE DISCONNECT SWITCH, FUSIBLE	
4	TELEPHONE OUTLET 18"	4 <b>∠</b> 3R	DISCONNECT SWITCH, NON-FUSIBLE RT DENOTES NEMA-3R	
	TELEPHONE DATA OUTLET 18" PHOTOCELL	4 <u></u> 3R	DISCONNECT SWITCH, FUSIBLE RT DENOTES NEMA-3R MOTOR CONNECTION WITH APPROXIMATE HORSE-POWER SHOWN	
AV TV	AUDIO/VISUAL CONNECTION  TV ROUGH-IN; PROVIDE 1" CONDUIT TO ABOVE ACCESSIBLE CEILING	SV	SOLENOID VALVE	
EPO	EMERGENCY POWER OFF SWITCH	R	PRESSURE SWITCH RELAY	
KP IC.	KEYPAD TWO-WAY VOICE COMMUNICATION MASTER STATION	(J)	TRANSFORMER  JUNCTION BOX - NOT WALL MOUNTED	
IC <sub>R</sub>	TWO-WAY VOICE COMMUNICATION REMOTE STATION	Ð	JUNCTION BOX - WALL MOUNTED	
AFF	ABBREVIATIONS ABOVE FINISHED FLOOR	РВ	PUSH BUTTON HAND HOLE	
AFG	ABOVE FINISHED GRADE	MH	MAN HOLE	
ABV ABC	MOUNT ABOVE COUNTER  ABOVE CEILING	PP	ENCLOSED CIRCUIT BREAKER POWER POLE	
CLG EWC	CEILING ELECTRIC WATER COOLER	M/oc	CEILING MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR	46"
EM	EMERGENCY EMERGENCY	S S <sub>2</sub>	SINGLE POLE SWITCH-(WHITE) TWO POLE SWITCH-(WHITE)	46"
EX RW	EXISTING ROOM WIZARD	S <sub>3</sub>	THREE-WAY SWITCH-(WHITE) FOUR WAY SWITCH-(WHITE)	46" 46"
FBO	FURNISHED BY OTHERS, INSTALLED BY ELECTRICAL CONTRACTOR	S <sub>D</sub>	SINGLE POLE DIMMER SWITCH	46"
GND R	GROUND RELOCATED	$S_{M}/S_{OC}$	WALL MOUNTED OCCUPANCY SENSOR SWITCH (WHITE) THREE-WAY DIMMER SWITCH	46" 46"
UON	UNLESS OTHERWISE NOTED	S <sub>T</sub>	THERMAL MOTOR SWITCH-(FBE)	46"
WH WP	WATER HEATER WEATHER PROOF, NEMA 3R	S <sub>TWP</sub>	THERMAL MOTOR SWITCH, WEATHERPROOF-(FBE) THERMAL MOTOR SWITCH, WITH PILOT LIGHT (FBE)	46" 46"
		S <sub>LV</sub>	LOW VOLTAGE SWITCH	
	SYMBOLS GENERAL NOTES:	ELC	POWER PACK EMERGENCY LIGHTING CONTROLLER - FUNCTIONAL DEVICES ESRB	
	A. ALL MOUNTING HEIGHTS GIVEN IN THE LEGEND, SCHEDULES, PLANS,	S <sub>WP</sub>	SINGLE POLE SWITCH, WEATHERPROOF 20A 120V. DUPLEX RECEPTACLE	46" 18"
	AND DRAWING NOTES ARE TO THE CENTERLINE OF THE DEVICE, UNLESS	<del>-</del>	20A 120V. DUPLEX RECEPTACLE ABOVE COUNTER	AS SPECIFIED
	OTHERWISE NOTED.	— E → TV	20A 120V. DUPLEX RECEPTACLE ABOVE COUNTER ON EMERGENCY BRANCH CIRCUIT (RED)  20A 120V. DUPLEX RECEPTACLE FOR TV POWER	AS SPECIFIED AS NOTED
	B. INSTALL ALL SWITCHES AT A CENTERLINE HEIGHT OF 46" A.F.F.		* 6" TO CENTERLINE BELOW FINISH CEILING	*
	UNLESS OTHERWISE NOTED. WHERE SWITCHES OR RECEPTACLES ARE MOUNTED ABOVE CASEWORK OR MILLWORK, LOCATE AT A HEIGHT OF 3'-8"	<del></del>	20A 120V. QUADRAPLEX RECEPTACLE SINGLE RECEPTACLE, AMPERAGE, VOLTAGE, NEMA CONFIGURATION AS REQUIRED BY EQUIP. SUPPLIER OR AS NOTED	18" 18"
	MAX. ABOVE FINISH FLOOR OR 3" ABOVE BACKSPLASH TO CENTERLINE.	<b>E</b>	20A 120V. QUADRAPLEX RECEPTACLE ABOVE COUNTER	AS SPECIFIED
	C. SEE ARCHITECTURAL MOUNTING HEIGHTS.	⊕ E ⊕ GFI	20A 120V. QUADRAPLEX RECEPTACLE ABOVE COUNTER ON EMERGENCY BRANCH CIRCUIT 20A GROUND FAULT TYPE RECEPTACLE	AS SPECIFIED AS SPECIFIED
	D. ADDITIONAL SYMBOLS MAY BE SHOWN OR DENOTED ON OTHER SHEETS.	⊕ GFI/WF	20A GROUND FAULT RECEPTACLE WEATHERPROOF TWO GANG FLOOR BOX WITH ONE DUPLEX RECEPTACLE AND ONE DATA OUTLET	AS SPECIFIED FLOOR BOX
			TWO GANG FLOOR BOX WITH ONE QUAD 20A RECEPTACLE AND ONE DATA OUTLET	FLOOR BOX
	E. ALL SYMBOLS, NOTES, AND ABBREVIATIONS SHOWN ON THE LEGEND ARE NOT NECESSARILY USED IN THIS SET OF CONTRACT DOCUMENTS.		TWO GANG FLOOR BOX WITH ONE HARD CONNECTION 20A RECEPTACLE, & ONE DATA OUTLET THREE GANG FLOOR BOX WITH TWO DUPLEX 20A RECEPTACLES, & ONE TELEPHONE OUTLET	FLOOR BOX FLOOR BOX
		⊕ △ AV	THREE GANG FLOOR BOX WITH ONE QUAD 20A RECEPTACLE AND ONE DATA OUTLET AND ONE AV CONNECTION	1 EGGIT BOX
	F. NUMERICAL SUBSCRIPT ADJACENT TO DEVICE FIXTURE, EQUIPMENT OR JUNCTION BOX SYMBOL ON THE DRAWINGS DENOTES THE PANELBOARD		THREE GANG FLOOR BOX WITH ONE DUPLEX 20A RECEPTACLE AND ONE DATA OUTLET AND ONE AV CONNECTION  THREE GANG FLOOR BOX WITH ONE HARDWARE CONNECTION AND ONE DATA OUTLET AND ONE AV CONNECTION	
	CIRCUIT NUMBER TO WHICH DEVICE, FIXTURE, EQUIPMENT OR WIRING	- J <sub>BPI</sub>	WALL MOUNTED FURNITURE BASE POWER FEED	
	IN JUNCTION BOX IS CONNECTED.	PDM AFM	POWER DISTRIBUTION MODULE  ACCESS FLOOR MODULE	
		<del>○</del> SR	20A DUPLEX RECEPTACLE AND SINGLE POLE SWITCH UNDER COMMON PLATE	4011
		⇒ IG	20A 120V. DUPLEX USB TYPE 20A DUPLEX RECEPTACLE, ISOLATED GROUNDING,	18" 18"
		_	20A DUPLEX RECEPTACLE, ISOLATED GROUNDING, INSTALL ABOVE COUNTER	46" 18"
		⊕ IG ⊕ WP	20A QUADRAPLEX RECEPTACLE, ISOLATED GROUNDING 20A WEATHERPROOF DUPLEX RECEPTACLE	
		<b>O</b>	120V DUPLEX RECEPTACLE, CEILING MOUNTED FLOOR BOX WITH (1) SINGLE RECEPTACLE - AMPERAGE, VOLTAGE, NEMA CONFIGURATION AS REQUIRED BY EQUIP. SUPPLIER OR AS NOTED	CEILING FLOOR BOX
			FLOOR BOX WITH (1) DUPLEX RECEPTACLE	FLOOR BOX
			FLOOR BOX WITH (1) QUADRUPLEX RECEPTACLE WIREMOLD #3000 WITH HUBBELL 5352 DUPLEX 20A RECEPTACLES 24" ON CENTER	FLOOR BOX 46"
		0 0 0	PLUGMOLD #2000 WITH 20A DUPLEX RECEPTACLES 24" ON CENTER	46"
			PUSHPAD FOR AUTOMATIC DOORS (F.B.O.)	

Lighting Fixture Schedule						
Type Comments	Manufacturer	Model	Description			
'N'	COOPER METALUX	24-RTC-48-UNV-GL-L835-CD	NEW RECESSED 2'X4'			
'NE'	COOPER METALUX	24-RTC-48-UNV-GL-EM14W-L835-CD	NEW RECESSED 2'X4' W/ EMERGENCY BATTERY BACKUP			
'R'	-	-	RELOCATED EXISTING FIXTURE			
'RE'	-	-	RELOCATED EXISTING FIXTURE			



I.C. Thomasson Associates, Inc.

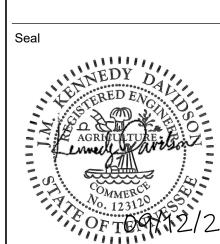
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ICT Project No. 220322

TY DISTRICT

ONSOLIDATED UTILITY

Client



ISSUED DATE

Revision 2 09/12/202

No. A REVISED DATE

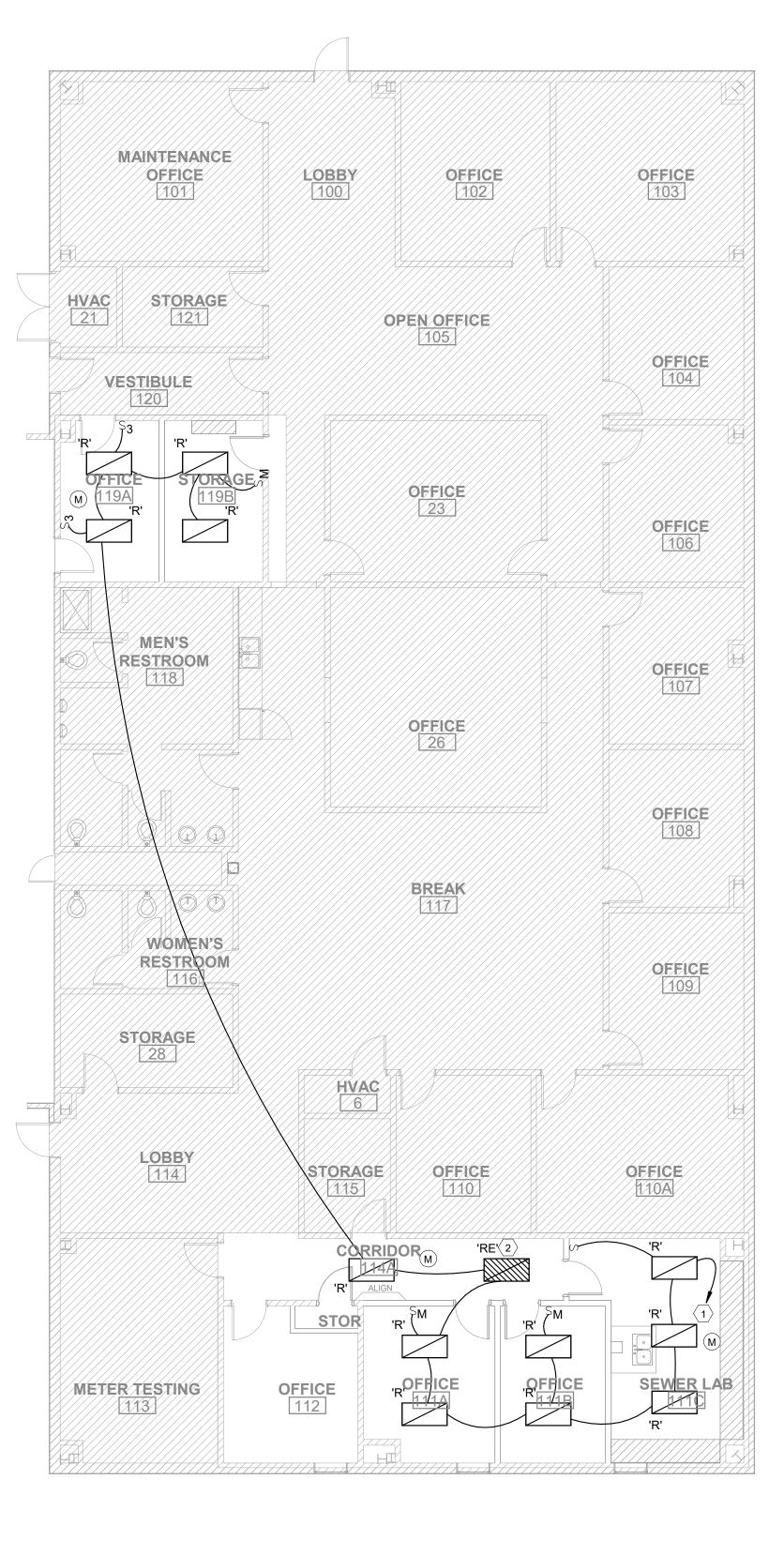
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AND SCHEDULES

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PROJECT # 22014.ID



POWER GENERAL NOTES

20A/1P CIRCUITS.

THE FARTHEST BRANCH CIRCUITS.

I.E. BREAKER HANDLE-TIE.

SMOKE CONTROL DAMPERS.

UNLESS OTHERWISE NOTED, 120V, 20A/1P BREAKERS SHALL UTILIZE #12

OF 125 LINEAR FEET, CONDUCTORS SHALL BE #10 AWG. EQUIPMENT

GROUNDING CONDUCTOR SHALL MATCH PHASE CONDUCTOR FOR

BRANCH CIRCUIT CONDUCTORS SIZED TO PREVENT VOLTAGE DROP

MAY BE REDUCED IN SIZE AS LOAD SUPPLIED BY REMAINING CIRCUIT

DECREASES. VOLTAGE DROP SHALL NOT EXCEED THREE PERCENT AT

MULTIWIRE BRANCH CIRCUITS SHALL BE INSTALLED PER ARTICLE 210.4

MEANS THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED

MAINTAIN A MINIMUM SEPARATION OF 12" BETWEEN CENTERLINE OF ALL

RECEPTACLES SET INTO OPPOSITE SIDES OF ALL SOUND ISOLATION WALLS. WHERE ABOVE NOTED CONDITION OCCURS AND REQUIRES A

DEVICES INDICATED ON THIS DRAWINGS ARE DIAGRAMMATICAL ONLY.

CONTRACTOR SHALL REFER TO ARCHITECTURAL ELEVATIONS FOR

REFERENCE MECHANICAL DRAWINGS FOR EXACT LOCATIONS AND

QUANTITIES OF DUCT SMOKE DETECTORS, FIRE/SMOKE DAMPERS AND

CONTRACTOR TO UPDATE PANEL DIRECTORY UPON COMPLETION. NEW

AND REUSED CIRCUITS ARE TO BE DISTINGUISHED FROM EXISTING AND

LOCATIONS OF OUTLETS, DEVICES, ETC. PRIOR TO ROUGH-IN.

NOT RE-USED CIRCUITS BY THE USE OF A BOLD TYPE FONT.

REQUIRED. COORDINATE WITH MECHANICAL CONTRACTOR.

EXTEND RELOCATED MECHANICAL EQUIPMENT CONNECTIONS AS

CONDUIT CONNECTION BETWEEN BOXES, UTILIZE FLEXIBLE TYPE

CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORIGINATES.

OF THE NEC. EACH MULTIWIRE CIRCUIT SHALL BE PROVIDED WITH A

AWG CONDUCTORS. EXCEPTION: WHERE BRANCH CIRCUIT IS IN EXCESS

1/8" = 1'-0" LIGHTING - OPERATIONS BLDG / WAREHOUSE PHASE 2

UNLESS OTHERWISE NOTED, 277V, 20A/1P BREAKERS

SHALL UTILIZE #12 AWG CONDUCTORS. EXCEPTION:

WHERE BRANCH CIRCUIT IS IN EXCESS OF 225 LINEAR

FEET, CONDUCTORS SHALL BE #10 AWG. EQUIPMENT GROUNDING CONDUCTOR SHALL MATCH PHASE

UNLESS OTHERWISE NOTED, 120V, 20A/1P BREAKERS

SHALL UTILIZE #12 AWG CONDUCTORS. EXCEPTION:

FEET, CONDUCTORS SHALL BE #10 AWG. EQUIPMENT

GROUNDING CONDUCTOR SHALL MATCH PHASE

MAINTAIN A MINIMUM SEPARATION OF 24" BETWEEN

WHERE ABOVE NOTED CONDITION OCCURS AND REQUIRES A CONDUIT CONNECTION BETWEEN BOXES,

SHALL BE PROVIDED WITH A MEANS THAT WILL

OPPOSITE SIDES OF ALL SOUND ISOLATION WALLS.

MULTIWIRE BRANCH CIRCUITS SHALL BE INSTALLED PER

ARTICLE 210.4 OF THE NEC. EACH MULTIWIRE CIRCUIT

SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED

CONDUCTORS AT THE POINT WHERE THE BRANCH

REFER TO ARCHITECTURAL INTERIOR ELEVATIONS

CIRCUIT ALL EXIT SIGNS AND EMERGENCY BALLAST

DRAWINGS FOR EXACT LOCATION AND ORIENTATION OF

CENTERLINE OF ALL LIGHT SWITCHES SET INTO

WHERE BRANCH CIRCUIT IS IN EXCESS OF 125 LINEAR

COORDINATE EXACT LOCATIONS OF LIGHTING FIXTURES

IN MECHANICAL ROOMS WITH MECHANICAL DUCTWORK

CONDUCTOR FOR 20A/1P CIRCUITS.

CONDUCTOR FOR 20A/1P CIRCUITS.

AND EQUIPMENT PRIOR TO ROUGH-IN.

UTILIZE FLEXIBLE TYPE CONDUIT.

CIRCUIT ORIGINATES.

AHEAD OF SWITCHING.

LIGHTING GENERAL NOTES:

## POWER - OPERATIONS BLDG / WAREHOUSE PHASE 2 1/8" = 1'-0"

VENDOR. CONTACT AND COORDINATE FEES WITH VENDOR PRIOR TO BID.

#### FIRE ALARM NOTES: FIRE ALARM SYSTEM SHALL BE ADA COMPLIANT. PROVIDE DEVICES TO MATCH NEW SYSTEM AND WIRE PER FIRE ALARM VENDOR'S REQUIREMENTS. CONTRACTOR SHALL INCLUDE IN BID PRICE ALL FEES REQUIRED BY FIRE ALARM VENDOR FOR

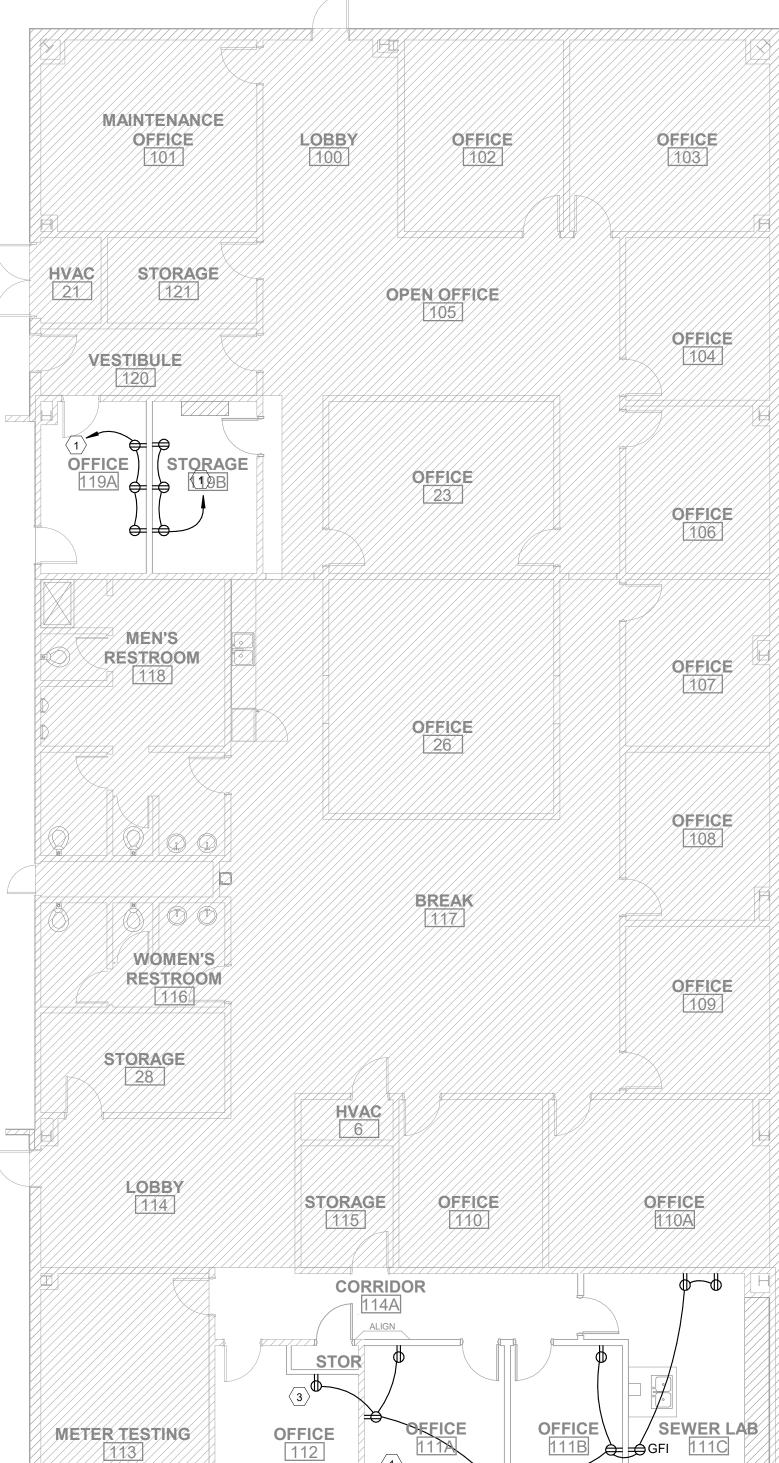
CONTRACTOR SHALL MEET WITH THE VENDOR ON SITE PRIOR TO THE START OF ANY CONSTRUCTION TO VERIFY AND DOCUMENT SYSTEM FUNCTION AND STATUS. CONTRACTOR TO MAKE ARRANGEMENTS WITH FIRE ALARM CONTRACTOR FOR PROPER DISCONNECTION OF SYSTEMS AFFECTED BY CONSTRUCTION. CONTRACTOR SHALL NOT DISCONNECT ANY SYSTEM

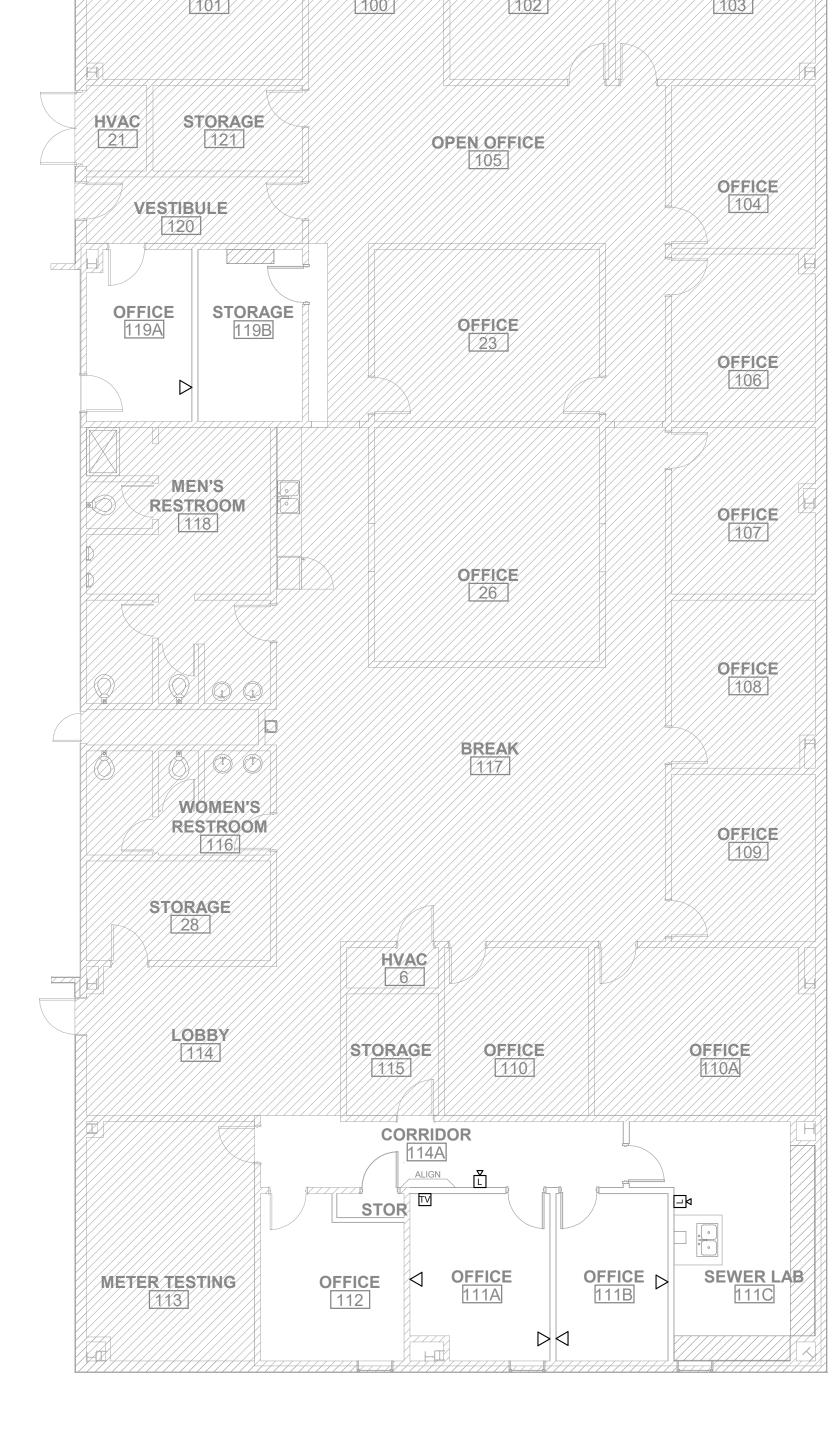
PROGRAMMING THE NEW SYSTEM AND NEW HARDWARE FOR THE ADDITIONS SHOWN AND ALL OTHER WORK REQUIRED BY

- PROVIDE ALL NECESSARY HARDWARE AND SOFTWARE, 24 HOUR BATTERY BACKUP, ETC. AS REQUIRED FOR THE INTENDED
- ALL NEW FIRE ALARM SYSTEM MODIFICATIONS AND INSTALLATIONS SHALL BE PROVIDED OR SUPERVISED BY FIRE ALARM VENDOR. THE ELECTRICAL CONTRACTORS BID PRICE SHALL INCLUDE ALL FEES, DEVICES, WIRE, CONDUIT, LABOR, MATERIAL, AND EQUIPMENT TO PROVIDE THE INTENDED INSTALLATION AS INDICATED ON THE DRAWINGS AND THESE NOTES.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND FIRE ALARM INSTALLER TO CONFIRM ALL WIRING CONDITIONS IN
- REGARDS TO THE NEW FIRE ALARM SYSTEM AS RELATED TO THIS PROJECT PRIOR TO BIDDING THE PROJECT.
- THE FIRE ALARM SUPPLIER SHALL PROVIDE A COMPLETE SET OF INSTALLATION DRAWINGS TO THE CONTRACTOR. THESE DRAWINGS SHALL BE INCLUSIVE OF FLOOR PLANS, RISER DIAGRAMS, DEVICE CONNECTIONS, ETC.
- REFER TO THE FLOOR PLANS FOR THE EXACT NUMBER AND TYPE OF DEVICES REQUIRED. ANY CONDUIT AND WIRE ROUTING SHOWN ON THE DRAWINGS SHALL BE MODIFIED, CHANGED, ADDED OR DELETED AS NECESSARY.
- THE CONTRACTOR SHALL PROVIDE ALL FIRE ALARM SYSTEM WIRING AS RECOMMENDED AND DIRECTED BY THE SYSTEM
- SUPPLIER OR MANUFACTURER AND IN ACCORDANCE WITH ALL CODES AND STANDARDS. ALL FIRE ALARM SYSTEM WIRING SHALL BE INSTALLED IN CONDUIT OR SHALL BE PLENUM-RATED. FIRE ALARM INSTALLER SHALL PROVIDE COMPLETE RECORD DRAWINGS OF THE NEW AND EXISTING FIRE ALARM SYSTEM
- INSTALLATION WITHIN THE AREA SHOWN ON THE PLANS AND HEADED EQUIPMENT. THE RECORD DRAWINGS SHALL REFLECT ALL DEVICES LOCATIONS AND WIRE/CONDUIT RUNS AS WELL AS FIRE ALARM PANEL AND ANNUNCIATOR MODIFICATIONS.
- ALL FIRE ALARM SYSTEM SMOKE DETECTORS, HEATERS, OTHER DEVICES, ETC. SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND THE UL LISTING REQUIREMENTS OF THE DEVICES.
- GIVEN THE INITIATION OF ANY PULL STATION, SMOKE OR HEAT DETECTOR A SIGNAL SHALL BE SENT TO THE FACP AND THE HORN AND STROBE DEVICES SHALL BE INITIATED TO SIGNAL A BUILDING EVACUATION IN ACCORDANCE WITH LOCAL REQUIREMENTS. THE FIRE ALARM INSTALLER SHALL TEST ALL STROBE, HORN, AND WIRING THAT WILL BE AFFECTED BY THIS PROJECT PRIOR TO
- ALARM INSTALLER SHALL TEST ALL STROBE, SPEAKER CIRCUITS, WIRING, AND ALL PROGRAMMING AFFECTED BY THIS PROJECT. THE FIRE ALARM SUPPLIER SHALL PROVIDE ALL NECESSARY BATTERY CALCULATIONS. PROVIDE ADDITIONAL BATTERY CAPACITY
- N. THE FIRE ALARM CONTRACTOR MUST BE CERTIFIED IN ACCORDANCE WITH THE TENNESSEE ALARM CONTRACTORS LICENSING ACT OF 1991, TCA TITLE 62, AND CHAPTER 32 (CALL 615-741-9771 FOR ADDITIONAL INFORMATION).

BEGINNING ANY WORK, ANY PROBLEMS SHALL BE MADE KNOWN TO THE OWNER, AFTER THIS PROJECT IS COMPLETE THE FIRE

AS REQUIRED TO SUPPORT DEVICES SHOWN.





OFFICE

3 SYSTEMS - OPERATIONS BLDG / WAREHOUSE PHASE 2 1/8" = 1'-0"

PROVIDE 2#12, #12 GROUND IN 3/4" CONDUIT TO A 20A/1P BREAKER IN EXISTING 120/208V PANELBOARD 'LP' SERVING THIS AREA. UPDATE

- EXISTING RECEPTACLE TO BE RELOCATED FROM EXISTING WALL. EXTEND CIRCUITRY AS REQUIRED

ELECTRICAL NOTES:

PANELBOARD DIRECTORY WITH NEW LOAD. PROVIDE UL924 INVERTER FOR EMERGENCY No. 🛆 REVISED

SV DESIGN

4030 ARMORY OAKS DRIVE NASHVILLE, TENNESSEE 37204

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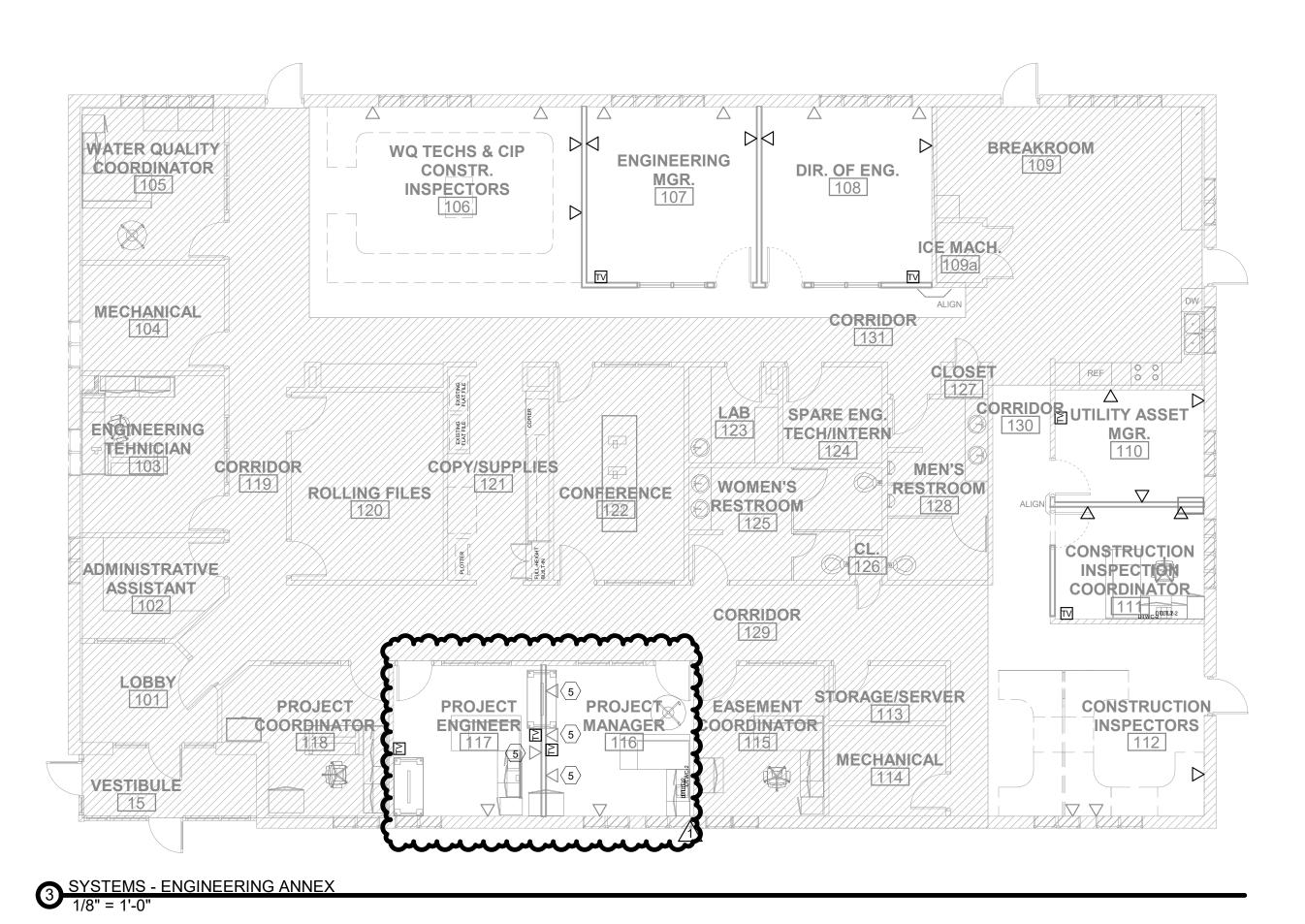
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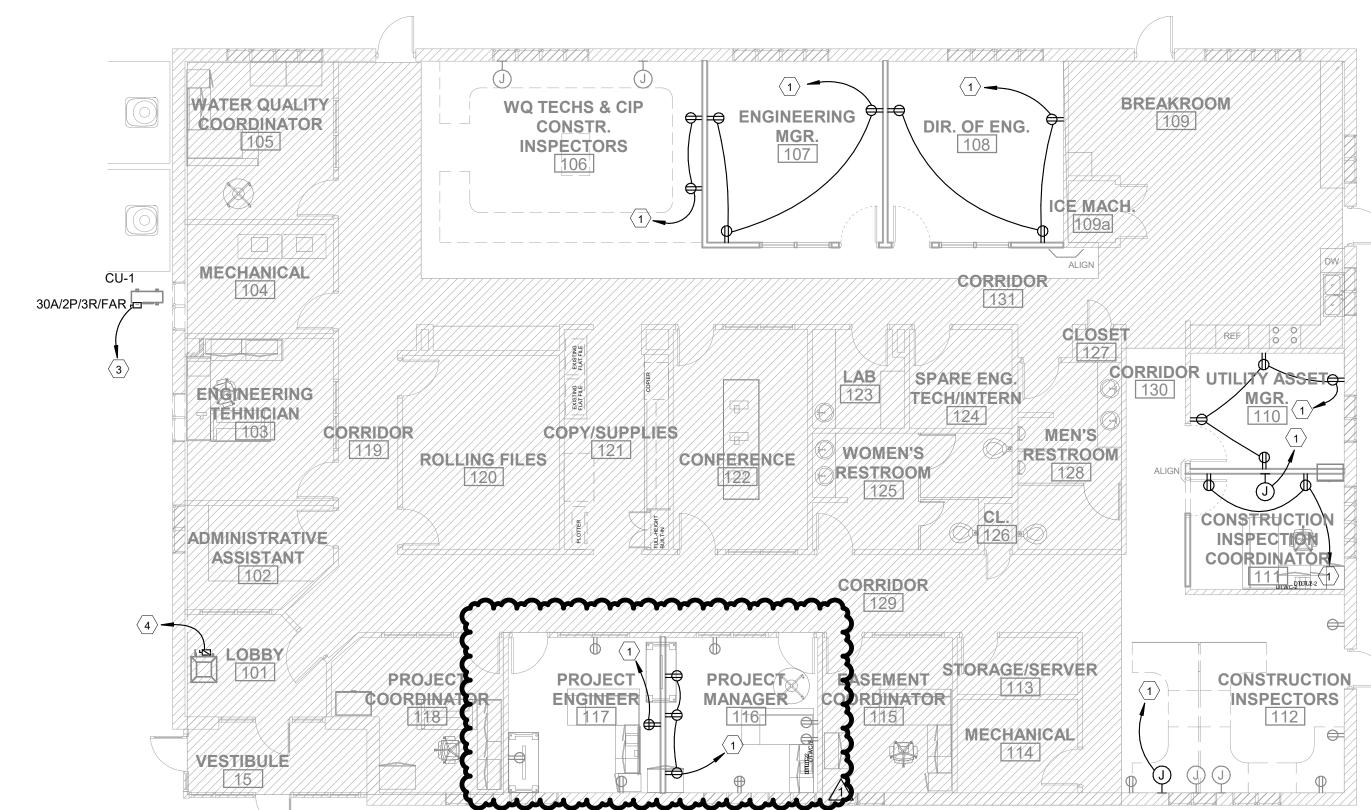
ELECTRICAL -OPERATIONS BLDG WAREHOUSE FLOOR

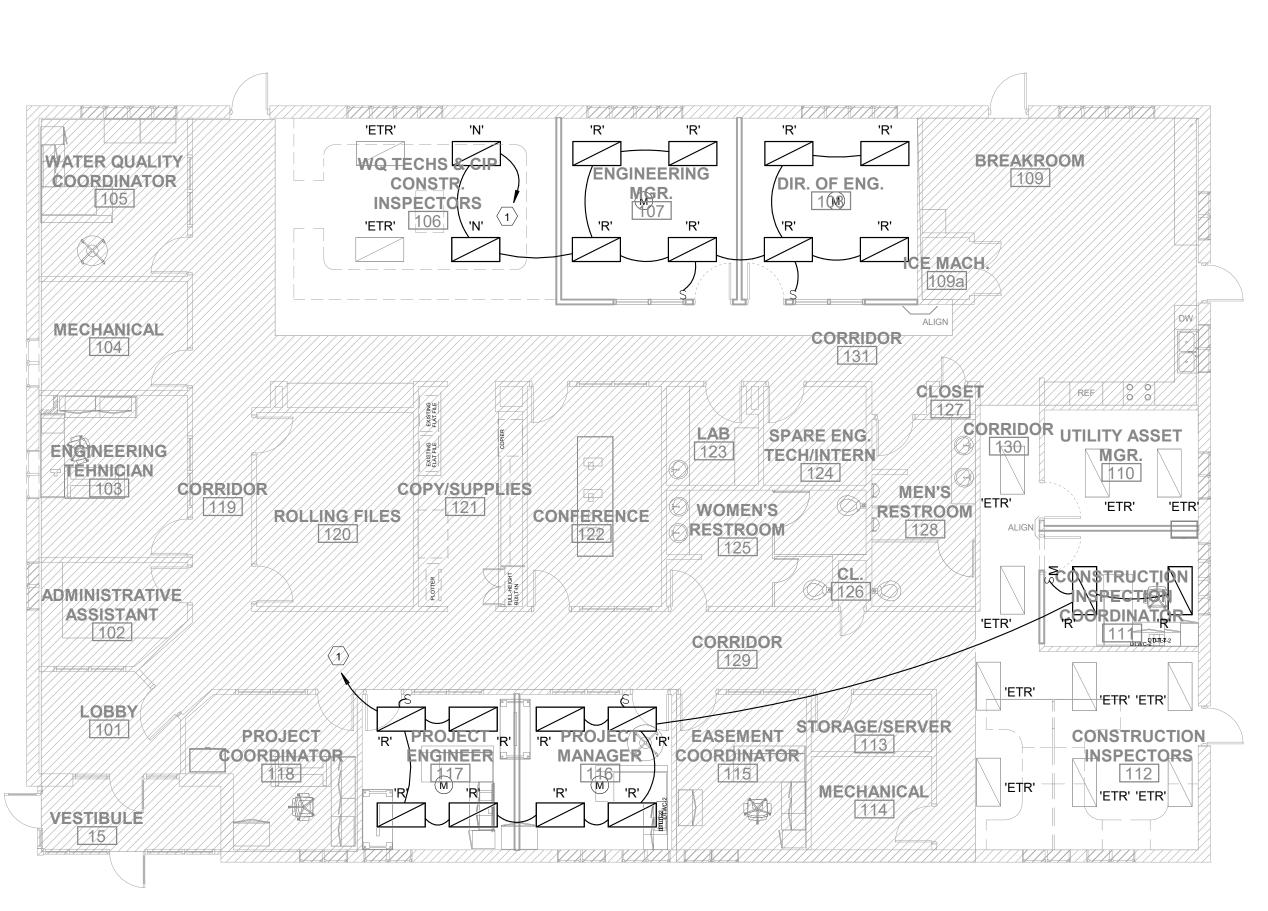
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22014.ID building value by valuing relationships

MAINTENANCE







1/8" = 1'-0"

#### ELECTRICAL NOTES: $\langle$

- 1. PROVIDE 2#12, #12 GROUND IN 3/4" CONDUIT TO A 20A/1P BREAKER IN EXISTING 120/208V PANELBOARD 'LP' SERVING THIS AREA. UPDATE PANELBOARD DIRECTORY WITH NEW LOAD.
- 2. TIE INTO EXISTING CORRIDOR LIGHTING CIRCUIT WITH 2#12, #12 GROUND IN 3/4" CONDUIT.
- 3. PROVIDE 2#12, #12 GROUND IN 3/4" CONDUIT TO A 15A/2P BREAKER IN EXISTING 120/208V PANELBOARD 'LP' SERVING THIS AREA. UPDATE PANELBOARD DIRECTORY WITH NEW LOAD.
- 4. INDOOR UNIT POWERED BY OUTSIDE UNIT. WIRE PER MANUFACTURER INSTRUCTIONS.
- 5. EXISTING DATA OUTLET TO BE INSTALLED IN SAME POSITION IN RELOCATED WALL.

#### **LIGHTING GENERAL NOTES:**

- A. UNLESS OTHERWISE NOTED, 277V, 20A/1P BREAKERS SHALL UTILIZE # 12 AWG CONDUCTORS. EXCEPTION: WHERE BRANCH CIRCUIT IS IN EXCESS OF 225 LINEAR FEET, CONDUCTORS SHALL BE #10 AWG. EQUIPMENT GROUNDING CONDUCTOR SHALL MATCH PHASE CONDUCTOR FOR 20A/1P CIRCUITS.
- UNLESS OTHERWISE NOTED, 120V, 20A/1P BREAKERS SHALL UTILIZE # 12 AWG CONDUCTORS. EXCEPTION: WHERE BRANCH CIRCUIT IS IN EXCESS OF 125 LINEAR FEET, CONDUCTORS SHALL BE #10 AWG. EQUIPMENT GROUNDING CONDUCTOR SHALL MATCH PHASE CONDUCTOR FOR 20A/1P CIRCUITS.
- C. COORDINATE EXACT LOCATIONS OF LIGHTING FIXTURES IN MECHANICAL ROOMS WITH MECHANICAL DUCTWORK AND EQUIPMENT PRIOR TO ROUGH-IN.
- D. MAINTAIN A MINIMUM SEPARATION OF 24" BETWEEN CENTERLINE OF ALL LIGHT SWITCHES SET INTO OPPOSITE SIDES OF ALL SOUND ISOLATION WALLS. WHERE ABOVE NOTED CONDITION OCCURS AND REQUIRES A CONDUIT CONNECTION BETWEEN BOXES, UTILIZE FLEXIBLE TYPE CONDUIT.
- E. MULTIWIRE BRANCH CIRCUITS SHALL BE INSTALLED PER ARTICLE 210.4 OF THE NEC. EACH MULTIWIRE CIRCUIT SHALL BE PROVIDED WITH A MEANS THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORIGINATES.
- F. REFER TO ARCHITECTURAL INTERIOR ELEVATIONS DRAWINGS FOR EXACT LOCATION AND ORIENTATION OF SWITCHES.
- G. CIRCUIT ALL EXIT SIGNS AND EMERGENCY BALLAST AHEAD OF SWITCHING.

#### **POWER GENERAL NOTES:**

- A. UNLESS OTHERWISE NOTED, 120V, 20A/1P BREAKERS SHALL UTILIZE # 12 AWG CONDUCTORS. EXCEPTION: WHERE BRANCH CIRCUIT IS IN EXCESS OF 125 LINEAR FEET, CONDUCTORS SHALL BE #10 AWG. EQUIPMENT GROUNDING CONDUCTOR SHALL MATCH PHASE CONDUCTOR FOR 20A/1P CIRCUITS.
- B. BRANCH CIRCUIT CONDUCTORS SIZED TO PREVENT VOLTAGE DROP MAY BE REDUCED IN SIZE AS LOAD SUPPLIED BY REMAINING CIRCUIT DECREASES. VOLTAGE DROP SHALL NOT EXCEED THREE PERCENT AT THE FARTHEST BRANCH CIRCUITS.
- C. MULTIWIRE BRANCH CIRCUITS SHALL BE INSTALLED PER ARTICLE 210.4 OF THE NEC. EACH MULTIWIRE CIRCUIT SHALL BE PROVIDED WITH A MEANS THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE POINT WHERE THE BRANCH CIRCUIT ORIGINATES. I.E. BREAKER HANDLE-TIE.
- D. MAINTAIN A MINIMUM SEPARATION OF 12" BETWEEN CENTERLINE OF ALL RECEPTACLES SET INTO OPPOSITE SIDES OF ALL SOUND ISOLATION WALLS. WHERE ABOVE NOTED CONDITION OCCURS AND REQUIRES A CONDUIT CONNECTION BETWEEN BOXES, UTILIZE FLEXIBLE TYPE CONDUIT.
- CONTRACTOR SHALL REFER TO ARCHITECTURAL ELEVATIONS FOR LOCATIONS OF OUTLETS, DEVICES, ETC. PRIOR TO ROUGH-IN.

DEVICES INDICATED ON THIS DRAWINGS ARE DIAGRAMMATICAL ONLY.

- F. REFERENCE MECHANICAL DRAWINGS FOR EXACT LOCATIONS AND QUANTITIES OF DUCT SMOKE DETECTORS, FIRE/SMOKE DAMPERS AND SMOKE CONTROL DAMPERS.
- G. CONTRACTOR TO UPDATE PANEL DIRECTORY UPON COMPLETION.
  NEW AND REUSED CIRCUITS ARE TO BE DISTINGUISHED FROM
  EXISTING AND NOT RE-USED CIRCUITS BY THE USE OF A BOLD TYPE
- H. EXTEND RELOCATED MECHANICAL EQUIPMENT CONNECTIONS AS REQUIRED. COORDINATE WITH MECHANICAL CONTRACTOR.

#### FIRE ALARM NOTES:

- A. FIRE ALARM SYSTEM SHALL BE ADA COMPLIANT. PROVIDE DEVICES TO MATCH NEW SYSTEM AND WIRE PER FIRE ALARM VENDOR'S REQUIREMENTS. CONTRACTOR SHALL INCLUDE IN BID PRICE ALL FEES REQUIRED BY FIRE ALARM VENDOR FOR PROGRAMMING THE NEW SYSTEM AND NEW HARDWARE FOR THE ADDITIONS SHOWN AND ALL OTHER WORK REQUIRED BY VENDOR. CONTACT AND COORDINATE FEES WITH VENDOR PRIOR TO BID.
- B. CONTRACTOR SHALL MEET WITH THE VENDOR ON SITE PRIOR TO THE START OF ANY CONSTRUCTION TO VERIFY AND DOCUMENT SYSTEM FUNCTION AND STATUS. CONTRACTOR TO MAKE ARRANGEMENTS WITH FIRE ALARM CONTRACTOR FOR PROPER DISCONNECTION OF SYSTEMS AFFECTED BY CONSTRUCTION. CONTRACTOR SHALL NOT DISCONNECT ANY SYSTEM WITHOUT FIRE ALARM CONTRACTOR PRESENT.
- C. PROVIDE ALL NECESSARY HARDWARE AND SOFTWARE, 24 HOUR BATTERY BACKUP, ETC. AS REQUIRED FOR THE INTENDED INSTALLATION.
- ALL NEW FIRE ALARM SYSTEM MODIFICATIONS AND INSTALLATIONS SHALL BE PROVIDED OR SUPERVISED BY FIRE ALARM VENDOR. THE ELECTRICAL CONTRACTORS BID PRICE SHALL INCLUDE ALL FEES, DEVICES, WIRE, CONDUIT, LABOR, MATERIAL, AND EQUIPMENT TO PROVIDE THE INTENDED INSTALLATION AS INDICATED ON THE DRAWINGS AND THESE NOTES.
- E. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND FIRE ALARM INSTALLER TO CONFIRM ALL WIRING CONDITIONS IN REGARDS TO THE NEW FIRE ALARM SYSTEM AS RELATED TO THIS PROJECT PRIOR TO BIDDING THE PROJECT.
- F. THE FIRE ALARM SUPPLIER SHALL PROVIDE A COMPLETE SET OF INSTALLATION DRAWINGS TO THE CONTRACTOR. THESE DRAWINGS SHALL BE INCLUSIVE OF FLOOR PLANS, RISER DIAGRAMS, DEVICE CONNECTIONS, ETC.
- G. REFER TO THE FLOOR PLANS FOR THE EXACT NUMBER AND TYPE OF DEVICES REQUIRED. ANY CONDUIT AND WIRE ROUTING SHOWN ON THE DRAWINGS SHALL BE MODIFIED, CHANGED, ADDED OR DELETED AS NECESSARY.
- H. THE CONTRACTOR SHALL PROVIDE ALL FIRE ALARM SYSTEM WIRING AS RECOMMENDED AND DIRECTED BY THE SYSTEM SUPPLIER OR MANUFACTURER AND IN ACCORDANCE WITH ALL CODES AND STANDARDS. ALL FIRE ALARM SYSTEM WIRING SHALL BE INSTALLED
- IN CONDUIT OR SHALL BE PLENUM-RATED.

  I. FIRE ALARM INSTALLER SHALL PROVIDE COMPLETE RECORD DRAWINGS OF THE NEW AND EXISTING FIRE ALARM SYSTEM INSTALLATION WITHIN THE AREA SHOWN ON THE PLANS AND HEADED EQUIPMENT. THE RECORD DRAWINGS SHALL REFLECT ALL DEVICES LOCATIONS AND WIRE/CONDUIT RUNS AS WELL AS FIRE ALARM PANEL AND ANNUNCIATOR MODIFICATIONS.
- J. ALL FIRE ALARM SYSTEM SMOKE DETECTORS, HEATERS, OTHER DEVICES, ETC. SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND THE UL LISTING REQUIREMENTS OF THE DEVICES.
- K. GIVEN THE INITIATION OF ANY PULL STATION, SMOKE OR HEAT DETECTOR A SIGNAL SHALL BE SENT TO THE FACP AND THE HORN AND STROBE DEVICES SHALL BE INITIATED TO SIGNAL A BUILDING
- EVACUATION IN ACCORDANCE WITH LOCAL REQUIREMENTS.

  L. THE FIRE ALARM INSTALLER SHALL TEST ALL STROBE, HORN, AND WIRING THAT WILL BE AFFECTED BY THIS PROJECT PRIOR TO BEGINNING ANY WORK. ANY PROBLEMS SHALL BE MADE KNOWN TO THE OWNER. AFTER THIS PROJECT IS COMPLETE THE FIRE ALARM INSTALLER SHALL TEST ALL STROBE, SPEAKER CIRCUITS, WIRING, AND ALL PROGRAMMING AFFECTED BY THIS PROJECT.
- THE FIRE ALARM SUPPLIER SHALL PROVIDE ALL NECESSARY BATTERY CALCULATIONS. PROVIDE ADDITIONAL BATTERY CAPACITY AS REQUIRED TO SUPPORT DEVICES SHOWN.
- THE FIRE ALARM CONTRACTOR MUST BE CERTIFIED IN ACCORDANCE WITH THE TENNESSEE ALARM CONTRACTORS LICENSING ACT OF 1991, TCA TITLE 62, AND CHAPTER 32 (CALL 615-741-9771 FOR ADDITIONAL INFORMATION).



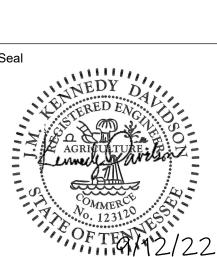
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SOLIDATED UTILITY DISTRICT ENGINEERING ANNEX

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 DATE

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 Revision 2
 09/12/2022

DATE

ELECTRICAL -ENGINEERING ANNEX PLAN

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Author
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PROJECT # 22014.1D

#### MECHANICAL GENERAL NOTES:

- 1. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE OPERATIONAL COOLING AND HEATING SYSTEM IN ACCORDANCE WITH THE DESIGN DRAWINGS.
- 2. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE INTERNATIONAL MECHANICAL CODE, NFPA REQUIREMENTS, AND ALL LOCAL CODES.
- 3. DRAWINGS ARE DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF SYSTEMS. DRAWINGS SHALL NOT BE SCALED.
- 4. CONTRACTOR SHALL FIELD VERIFY BY MEASUREMENT THE EXACT LOCATION OF EQUIPMENT, DUCTWORK, PIPING, STRUCTURE, AND OTHER CONDITIONS WHICH WILL AFFECT INSTALLATION. CONTRACTOR SHALL LOCATE EQUIPMENT AND ROUTE DUCTWORK AND PIPING TO AVOID CONFLICTS AND INTERFERENCES WITH EXISTING CONDITIONS.
- 5. COORDINATE DUCT, PIPING, AND EQUIPMENT LOCATIONS WITH ELECTRICAL ROOMS, ELEVATOR EQUIPMENT ROOMS, AND ALL ELECTRICAL PANEL LOCATIONS. DO NOT PASS ANY MECHANICAL OR PLUMBING PIPING OR CONDENSATE PRODUCING EQUIPMENT DIRECTLY OVER ELECTRICAL PANELS, ELECTRICAL EQUIPMENT, ELEVATOR EQUIPMENT, CONTROLS, OR TELECOMMUNICATIONS EQUIPMENT. SEE ELECTRICAL AND TELECOMMUNICATION DRAWINGS FOR EXACT EQUIPMENT LOCATIONS
- 6. CEILING DIFFUSER AND REGISTER LOCATIONS ARE APPROXIMATE ONLY. SEE ARCHITECTURAL FOR EXACT LOCATIONS OF ALL AIR DISTRIBUTION DEVICES (WALL AND CEILING).
- 7. ALL CUTTING AND PATCHING SHALL BE COORDINATED. ALL PATCHING SHALL RESTORE EACH DAMAGED SURFACE TO ITS ORIGINAL FINISH.
- 8. ALL EXPOSED DUCTWORK, PIPING, AND EQUIPMENT IN FINISHED SPACES TO BE INSTALLED AS HIGH AS POSSIBLE ABOVE FINISHED FLOOR AND SHALL BE PREPARED WITH PAINT GRIP SUITABLE FOR PAINTING.
- 9. ALL AIR DISTRIBUTION SYSTEM(S) SHALL BE TESTED AND BALANCED IN ACCORDANCE WITH A.A.B.C. OR N.E.B.B. REQUIREMENTS. A CERTIFIED AIR BALANCE REPORT SHALL BE PREPARED PRIOR TO PROJECT CLOSEOUT.
- 10. ALL LOW PRESSURE DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH THE LATEST SMACNA HVAC DUCT CONSTRUCTION MANUAL FOR 2" W.G. STATIC PRESSURE. DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL.
- 11. ALL DUCT DIMENSIONS SHOWN ON DRAWINGS ARE INSIDE CLEAR. ALLOWANCE MUST BE MADE IN SHEET METAL SIZE WHERE DUCT LINER IS SPECIFIED.
- 12. ALL MEDIUM PRESSURE SUPPLY DUCTWORK SHALL BE FABRICATED AND INSTALLED IN ACCORDANCE WITH THE LATEST SMACNA HVAC DUCT CONSTRUCTION MANUAL FOR 4" W.G. STATIC PRESSURE. DUCTWORK SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL. SEAL ALL TRANSVERSE JOINTS WITH DUCT SEALANT AS SPECIFIED.
- 13. SUPPLY DUCTWORK SHALL BE INTERNALLY INSULATED FOR THE FIRST 20 FEET OF SUPPLY DUCT FROM AIR HANDLING UNIT. ALL OUTSIDE AIR DUCT, AND ALL TRANSFER AIR DUCT (TAD) SHALL BE INTERNALLY INSULATED WITH 1" THICK, 3 LB. DENSITY, EQUAL TO CERTAINEED TOUGHGUARD. CONCEALED LOW PRESSURE SUPPLY DUCT NOT INTERNALLY LINED SHALL HAVE EXTERIOR WRAP INSULATION AS SPECIFIED. LOW PRESSURE RETURN AIR OR TRANSFER AIR DUCT SHALL BE LINED FOR 20 FEET FROM RETURN AIR DEVICE.
- 14. NO FLEXIBLE DUCT SHALL BE EXPOSED. NO DUCT WRAP INSULATION SHALL BE EXPOSED. DUCT EXPOSED IN MECHANICAL ROOMS SHALL BE EXTERNALLY INSULATED WITH RIGID INSULATION AS SPECIFIED.
- 15. DUCT RUNOUTS TO REGISTERS TO BE AS SCHEDULED UNLESS OTHERWISE INDICATED ON PLANS. CONTRACTOR TO PROVIDE A TRANSITION AT NECK OF EACH AIR DISTRIBUTION DEVICE AS REQUIRED.
- 16. DUCT RUNOUT SIZES TO VAV TERMINAL BOXES TO BE AS SCHEDULED UNLESS NOTED OTHERWISE ON PLANS. CONTRACTOR TO PROVIDE A TRANSITION FROM PLAN INDICATED RUN-OUT SIZE. SEE DETAIL FOR BOX CONNECTION.
- 17. FIRE DAMPERS TO BE TYPE "B" OR "C" DYNAMIC UNLESS OTHERWISE NOTED. INSTALLATION OUT OF AIRSTREAM AND IN STRICT ACCORDANCE WITH MANUFACTURER'S U.L. LISTED INSTALLATION INSTRUCTIONS AND SMACNA FIRE DAMPER GUIDE.
- 18. PROVIDE 4" HIGH CONCRETE PAD FOR ALL FLOOR-MOUNTED EQUIPMENT.
- 19. WHERE BRANCH TAPS OCCUR, PROVIDE INDIVIDUAL SPIN-IN FITTINGS WITH MANUAL-VOLUME DAMPERS FOR BALANCING. DO NOT USE TYPE WITH AIR SCOOP/EXTRACTOR. ADDITIONALLY, PROVIDE OPPOSED-BLADE VOLUME DAMPERS AT EACH AIR DISTRIBUTION DEVICE.
- 20. COORDINATE LOCATION AND PROVIDE DUCT ACCESS DOORS FOR ACCESS TO ALL FIRE DAMPERS, VALVES AND OTHER ENCLOSED ITEMS. DUCT ACCESS DOORS MAY BE OMITTED WHERE TYPE "A" FIRE DAMPERS ARE ACCESSIBLE THROUGH SIDEWALL REGISTER FACE. INSURE DUCT ACCESS DOORS AND DAMPERS ARE ACCESSIBLE THROUGH CEILINGS AND WALLS. LOCATE DUCT ACCESS DOORS ABOVE SPACES WITH LAY-IN CEILINGS OR EXPOSED CEILINGS WHERE POSSIBLE. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING TYPES.
- 21. PROVIDE CANVAS, FLAME RETARDANT FLEXIBLE DUCT CONNECTORS AT ALL CONNECTIONS OF FANS TO DUCTWORK.
- 22. PROVIDE A MINIMUM 15'-0" SEPARATION BETWEEN ANY FRESH AIR INTAKE AND ANY MECHANICAL EXHAUST, PLUMBING VENT, OR OTHER VENT OUTLETS.
- 23. COORDINATE INSTALLATION OF DUCT-MOUNTED SMOKE DETECTORS WITH FIRE ALARM SYSTEM PROVIDER.
- 24. DUCT-MOUNTED SMOKE DETECTORS ARE PROVIDED BY DIV. 26, INSTALLED BY DIV. 23.
- 25. DUCTWORK AND PIPE UNDER ROOF DECK SHALL BE SUPPORTED FROM STEEL BEAMS OR FROM SUPPLEMENTARY FRAMING SUPPORTED BY STEEL BEAMS.
- 26. DUCTWORK CAN BE HUNG FROM FLOOR DECK WITH CONCRETE FILL. SUPPORT DUCTWORK FROM STEEL BEAMS WHERE PRACTICAL.
- 27. PIPE 4" AND SMALLER CAN BE HUNG FROM FLOOR DECK WITH CONCRETE FILL. SUPPORT PIPE FROM STEEL BEAMS WHERE PRACTICAL. PIPE LARGER THAN 4" SHALL BE SUPPORTED FROM STEEL BEAMS OR FROM SUPPLEMENTARY FRAMING SUPPORTED BY STEEL BEAMS.
- 28. REFER TO THE IBC AND NFPA FOR CAULKING REQUIREMENTS AROUND FIRE AND FIRE/SMOKE DAMPERS.

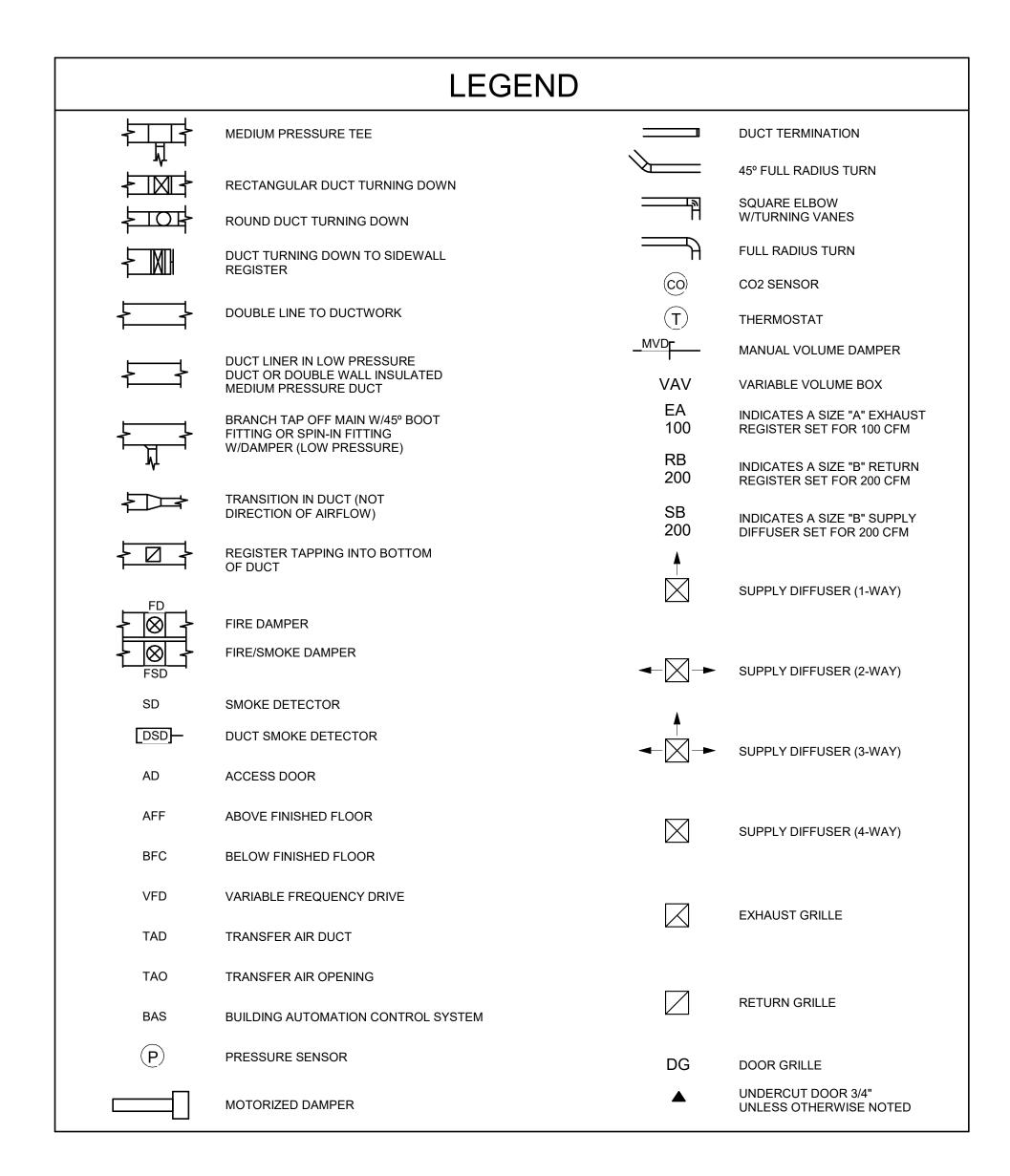
SUPPLY DIFFUSER SCHEDULE							
SYMBOL	ADAPTOR/ NECK SIZE	FACE SIZE	MAX CFM	MAX TP	MAX NC	THROW	DUCT RUNOUT SIZE *
SA	6" Ø	24"x24"	100	0.022	20	4-WAY	8"x5"/6" Ø
SB	8" Ø	24"x24"	200	0.042	20	4-WAY	10"x7"/8" Ø
SC	10" Ø	24"x24"	350	0.088	20	4-WAY	12"x8"/10" Ø
SD	12" Ø	24"x24"	500	0.127	20	4-WAY	14"x9"/12" Ø
SE	14" Ø	24"x24"	700	0.173	23	4-WAY	16"x10"/14" Ø
SF	15" Ø	24"x24"	950	0.259	28	4-WAY	16"x12"/16" Ø
SWA	8"x8"	10"x10"	275	0.03	19	2-WAY	8"x8"
SWB	16"x60"	18"x62"	2700	0.016	20	2-WAY	16"x60"
SWC	36"x24"	38"x26"	2700	0.016	20	2-WAY	36"x24"
SWF	20"x16"	22"x18"	1040	0.016	20	2-WAY	20"x16"
SWG	18"x10"	20"x12"	850	0.04	27	2-WAY	18"x10"

- 1. SA THRU SE ARE TITUS MODEL OMNI STEEL DIFFUSERS.
- 2. SWA THRU SWG SHALL BE TITUS MODEL 1707 SIDE WALL DIFFUSERS.
- ALL SUPPLY DIFFUSERS SHALL BE PROVIDED W/2" INSULATION BLANKET ON BACK OF DIFFUSER. ALL DIFFUSERS SHALL HAVE OPPOSED BLADE DAMPERS (OBD).
- \* RUNOUTS ARE DUCTS SERVING ONLY ONE SUPPLY DIFFUSER.

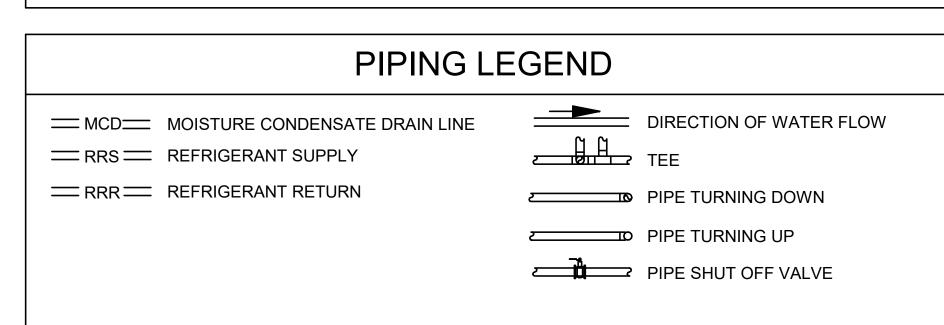
	С	EILING G	RILLES	& REG	ISTER	S
SYMBOL	NECK	FACE	MAX CFM	MAX SP	MAX NC	DUCT RUNOUT SIZE *
RA/EA	6" SQ	24"x24"	100	.06	20	8"x5"/6" Ø
RB/EB	8" SQ	24"x24"	200	.06	20	10"x7"/8" Ø
RC/EC	10" SQ	24"x24"	350	.06	20	12"x8"/10" Ø
RD/ED	12" SQ	24"x24"	500	.06	20	14"x9"/12" Ø
RE/EE	14" SQ	24"x24"	700	.06	20	16"x10"/14" Ø
RF/EF	16" SQ	24"x24"	1000	.06	20	20"x10"/16" Ø
RG/EG	18" SQ	24"x24"	1250	.06	20	24"x10"/18" Ø
RH/EH	22" SQ	24"x24"	1750	.06	20	24"x12"/18" Ø
SRA/SEA	24"x16"	26"x18"	1230	.04	20	24"x16"
SRB/SEB	10"x10"	12"x12"	240	.06	25	10"x10"
SRC/SEC	16"x16"	18"x18"	320	.002	20	16"x16"

#### PERFORMANCE BASIS:

- 1. RA/EA THRU RH/EH SHALL BE TITUS MODEL 50F OR APPROVED EQUAL WITH 1/2"x1/2"x1/2" EGG-CRATE CORE.
- 2. SRA/SEA AND RK/EK SHALL BE FILTER RETURN TITUS MODEL 350RLF OR APPROVED EQUAL WITH 1/2" BLADE SPACING.
- 3. TRANSFER AIR GRILLE (TAG) SHALL BE TITUS 350RL OR APPROVED EQUAL FOR SIDEWALL OR TITUS 50F FOR CEILING APPLICATIONS. SIZE AS SHOWN ON PLANS.
- \* RUNOUTS ARE DUCTS SERVING ONLY ONE GRILLE OR REGISTER.



# VIEW NAME LEGEND NUMBER NUMBER USED

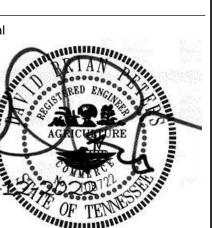




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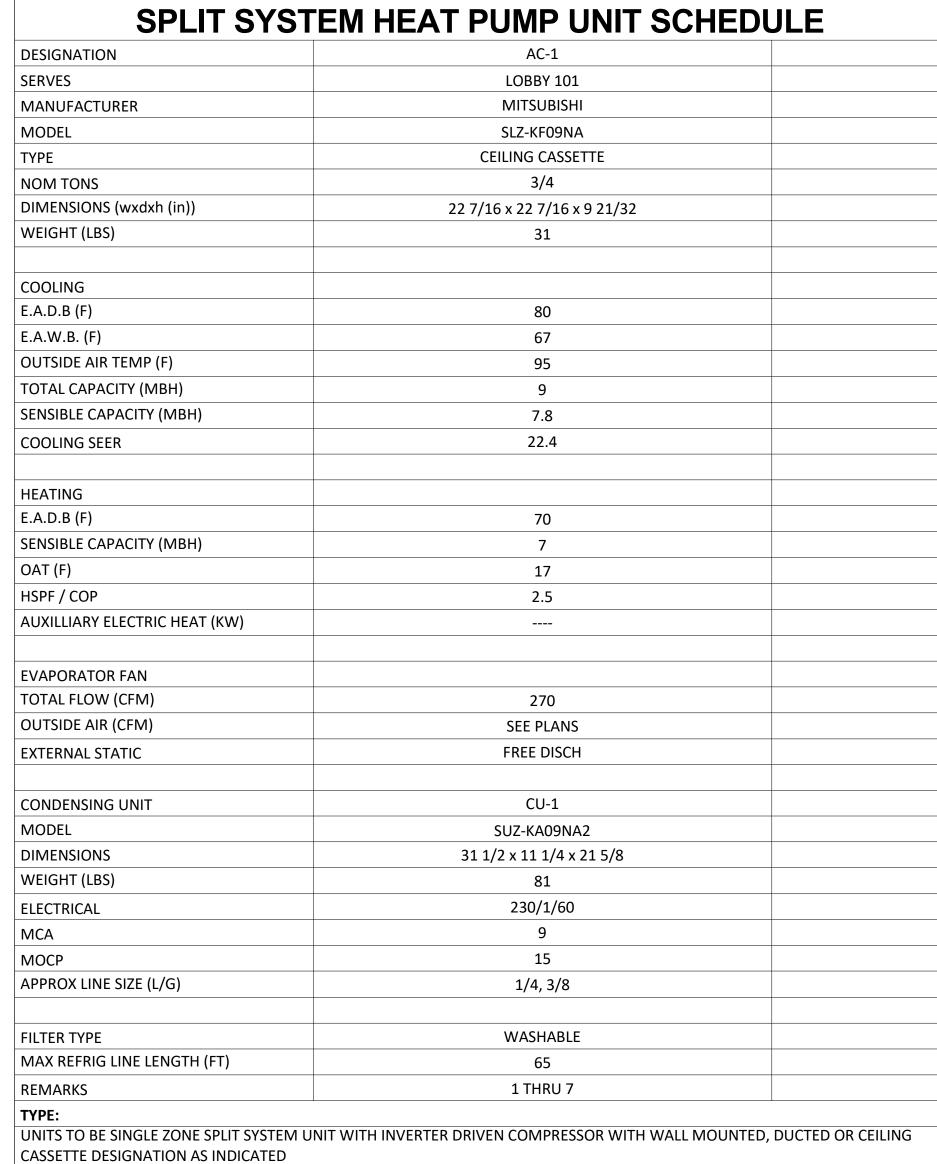


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**MECHANICAL - LEGEND** AND GENERAL NOTES

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#### **REMARKS:**

1. 5 YEAR COMPRESSOR WARRANTY

2. WALL MOUNTED WIRED CONTROLLER/THERMOSTAT (BATTERY POWERED THERMOSTAT OR REMOTE IS UNACCEPTABLE) 3. IF INDOOR UNIT DOES NOT HAVE INTEGRAL CONDENSATE PUMP, CONTRACTOR TO PROVIDE SEPARATE CONDENSATE PUMP TO DISPOSE OF CONDENSATE. CONTRACTOR TO PROVIDE ANY ADDITIONAL POWER CONNECTIONS AT NO ADDITIONAL COST TO OWNER. COORDINATE WITH ELECTRICAL CONTRACTOR AS REQUIRED.

4. 0 DEGREE LOW AMBIENT COOLING. PROVIDE & INSTALL ALL NECESSARY HOODS & WIND BAFFLES AS REQUIRED.

5. CONTRACTOR SHALL REVIEW REFRIGERANT PIPE LENGTHS & SIZING PRIOR TO SUBMITTING A BID

6. CONDENSATE OVERFLOW SWITCH

7. DESIGN INCLUDES SINGLE POINT POWER CONNECTION AT CONDENSING UNIT THAT POWERS INDOOR UNIT. ANY SUBMITTAL

DEVIATING FROM THIS METHOD OF SERVICE TO BE EXPRESSLY INDICATED ON SUBMITTAL.

VVT SCHEDULE							
TAG	MFR	MODEL	INLET SIZE (IN)	DESIGN AIRFLOW	MINIMUM AIRFLOW		
			(114)	RATE (CFM)	7 (11 (1 20 )	REMARKS	
VVT-4-4	TRANE	VCCF	6	305	150	6	
VVT-4-7	TRANE	VCCF	6	460	230	6	
VVT-4-4B	TRANE	VCCF	6	200	100	1 THRU 5	

#### NOTES:

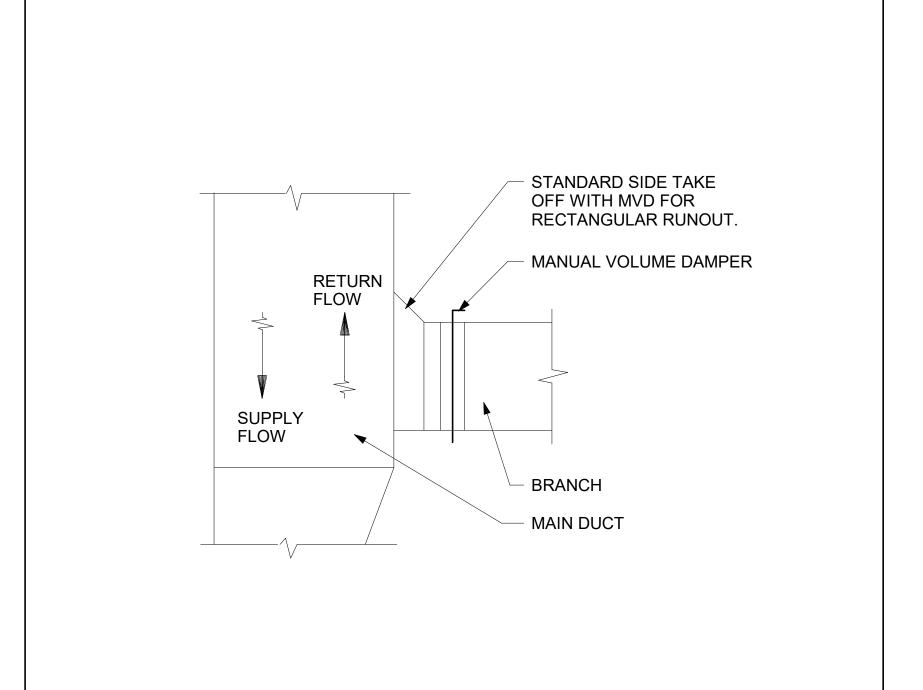
1. SELECTION BASED ON TRANE VARITRAC.

2. MAXIMUM INLET VELOCITY IS 2000 FPM.

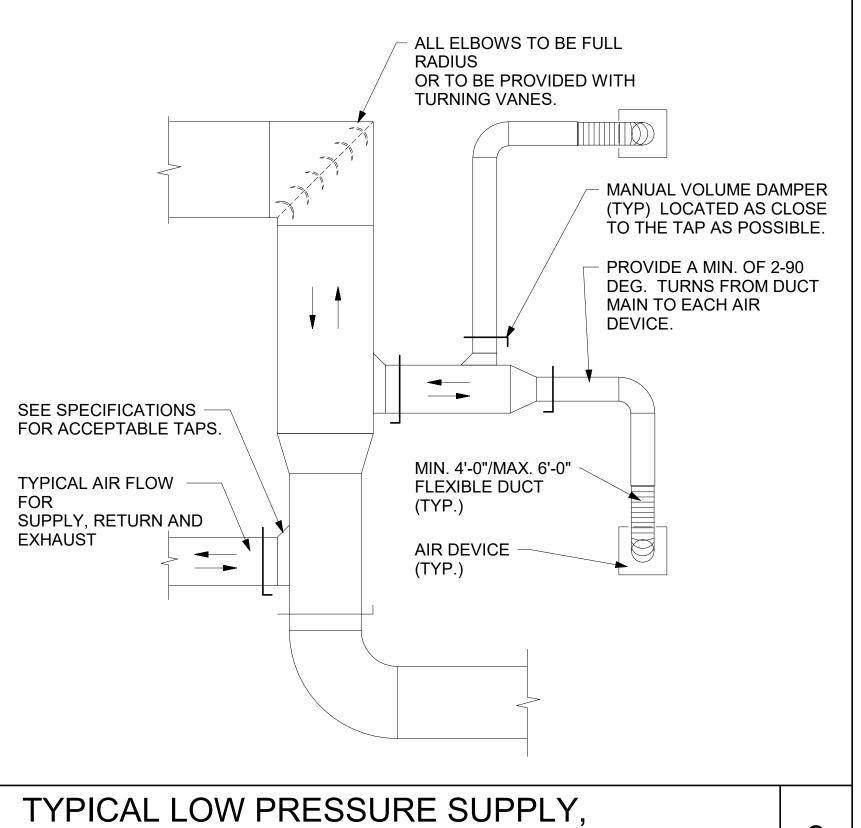
3. UNIT MOUNTED ZONE CONTROL MODULE. 4. DISCHARGE VALVE NC NOT TO EXCEED 26.

5. ELECTRICAL CONTRACTOR SHALL SUPPLY JUNCTION BOXES FOR 24V POWER SUPPLY(S). REFER TO

ELECTRICAL PLANS. 6. EXISTING DAMPER TO REMAIN. REBALANCE AIRFLOW FOR NEW INDICATED VALUES AND RELOCATE



# LOW PRESSURE RECTANGULAR BRANCH DUCT RUNOUT



RETURN AND EXHAUST DUCT DETAIL



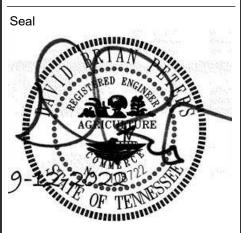


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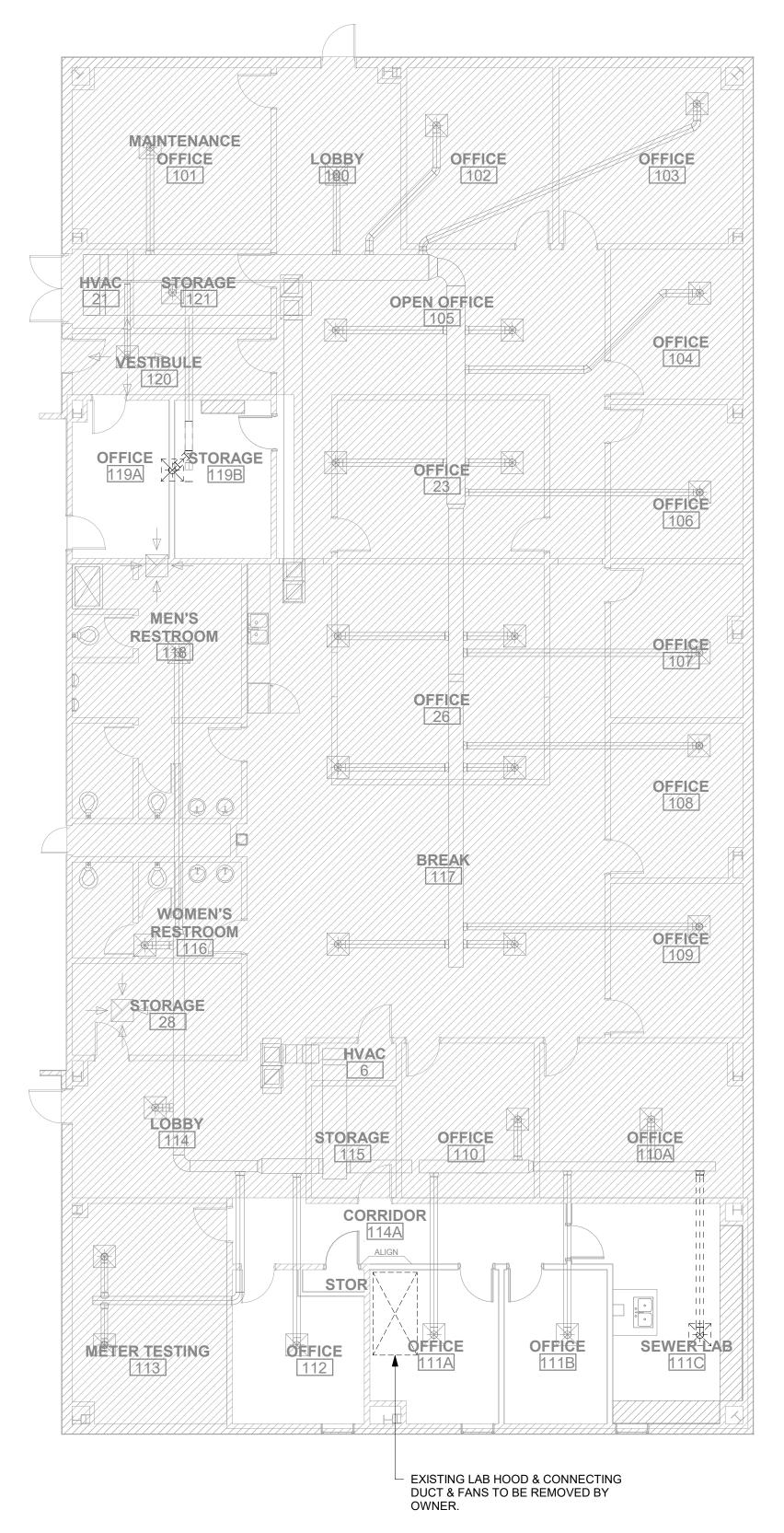


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MECHANICAL DETAILS & SCHEDULES

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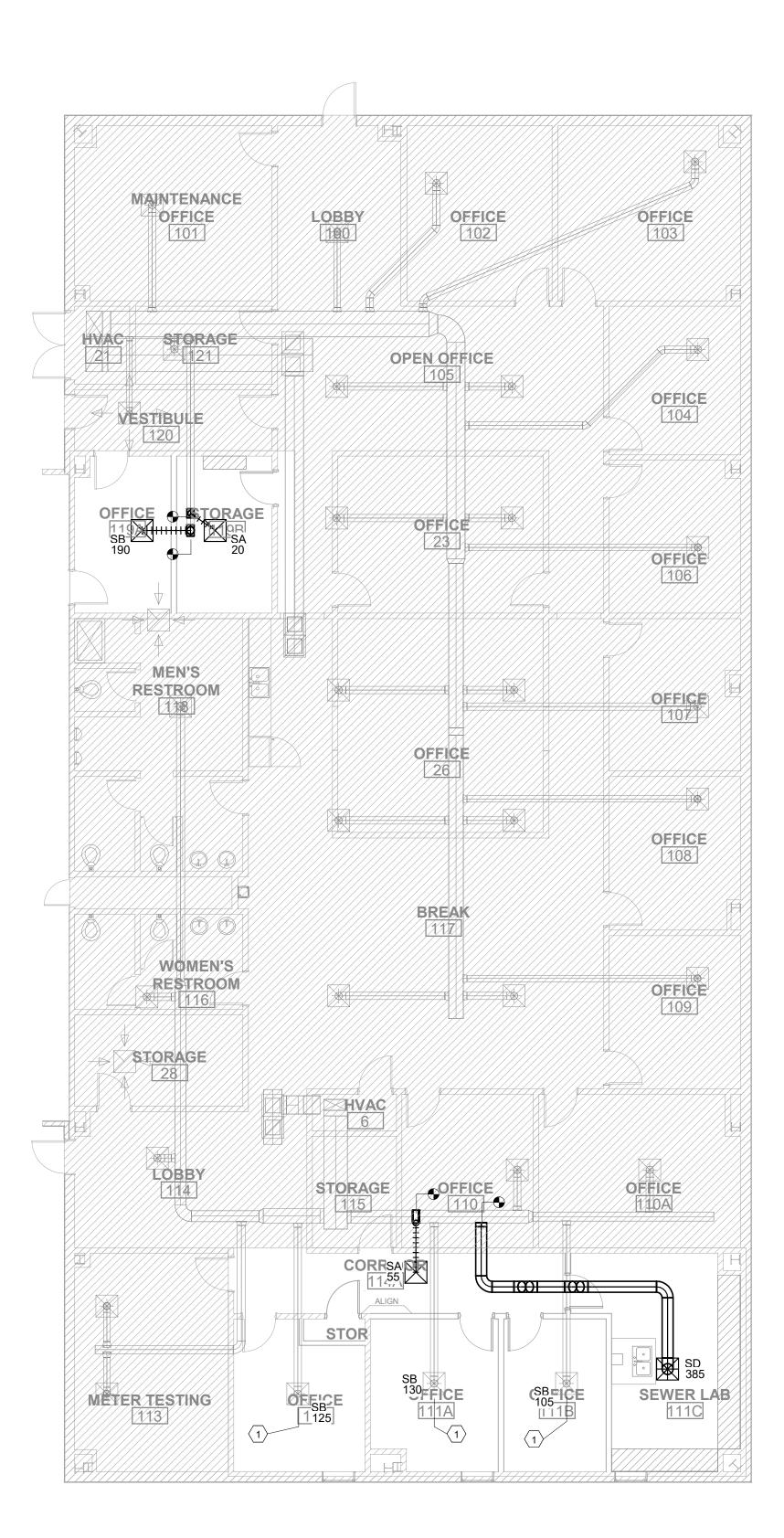


2 HVAC - OPERATIONS BLDG / WAREHOUSE PHASE 2 DEMOLITION 1/8" = 1'-0"

HVAC LEGEND DEMO

EXISTING TO REMAIN

=====: DEMOLITION



1/8" = 1'-0"

HVAC - OPERATIONS BLDG / WAREHOUSE PHASE 2



HVAC KEYED NOTES:

1. EXISTING DIFFUSERS TO REMAIN REBALANCE FOR NEW CONNECTED CFM



Consultant

I.C. Thomasson Associates, Inc

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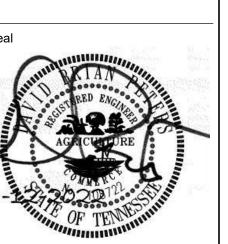
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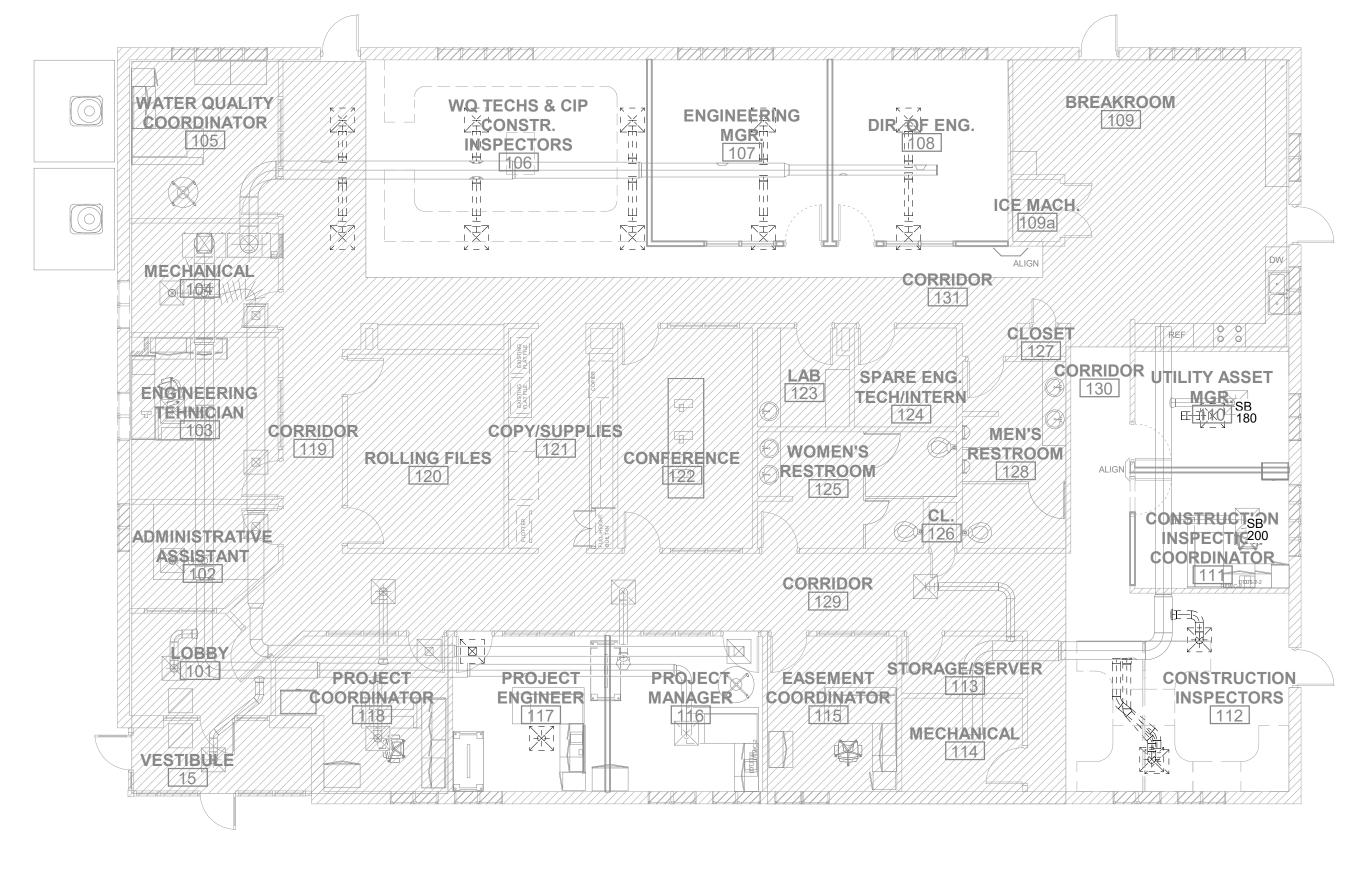
HVAC - OPERATIONS BLDG / WAREHOUSE PHASE 2

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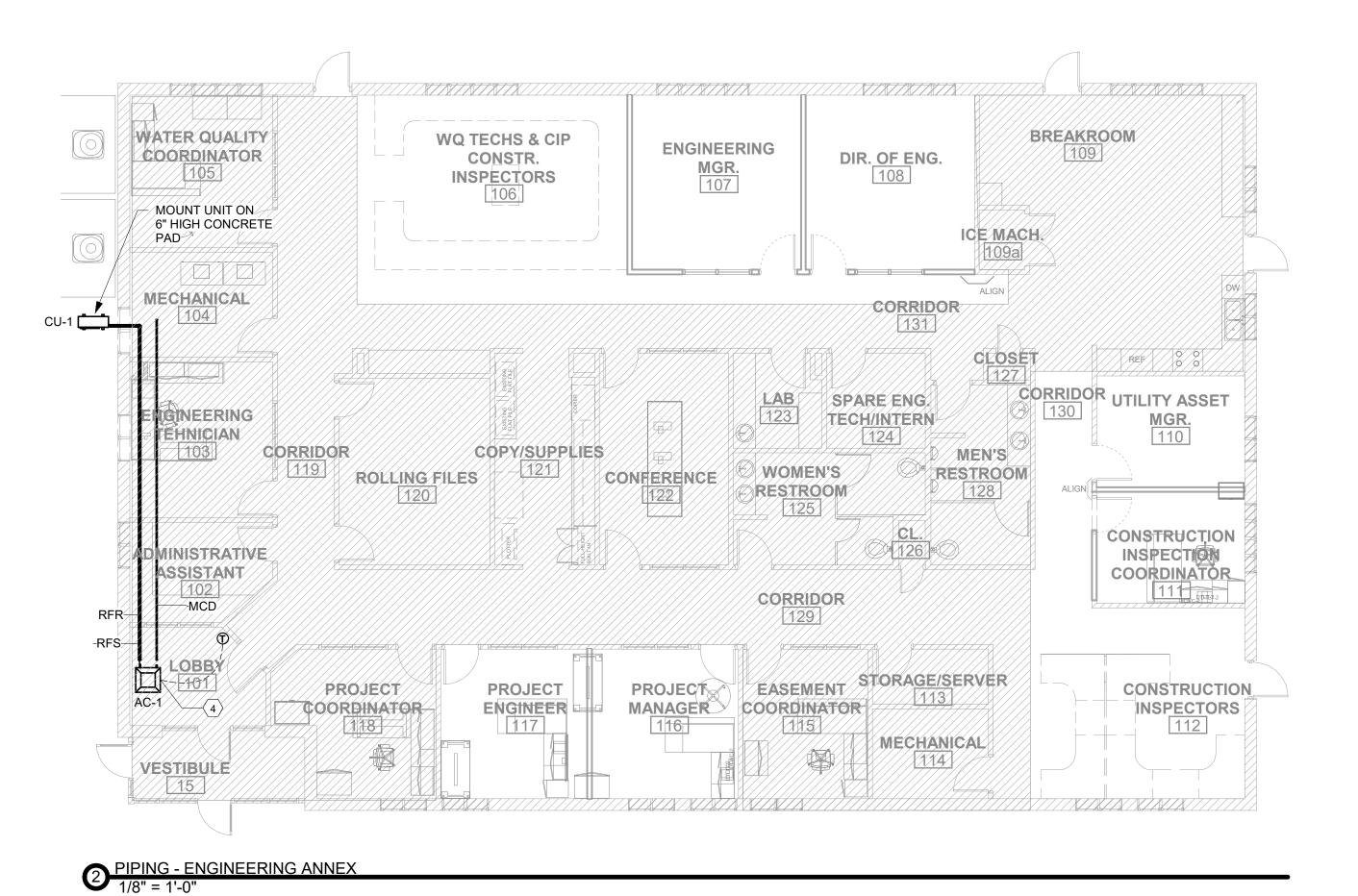
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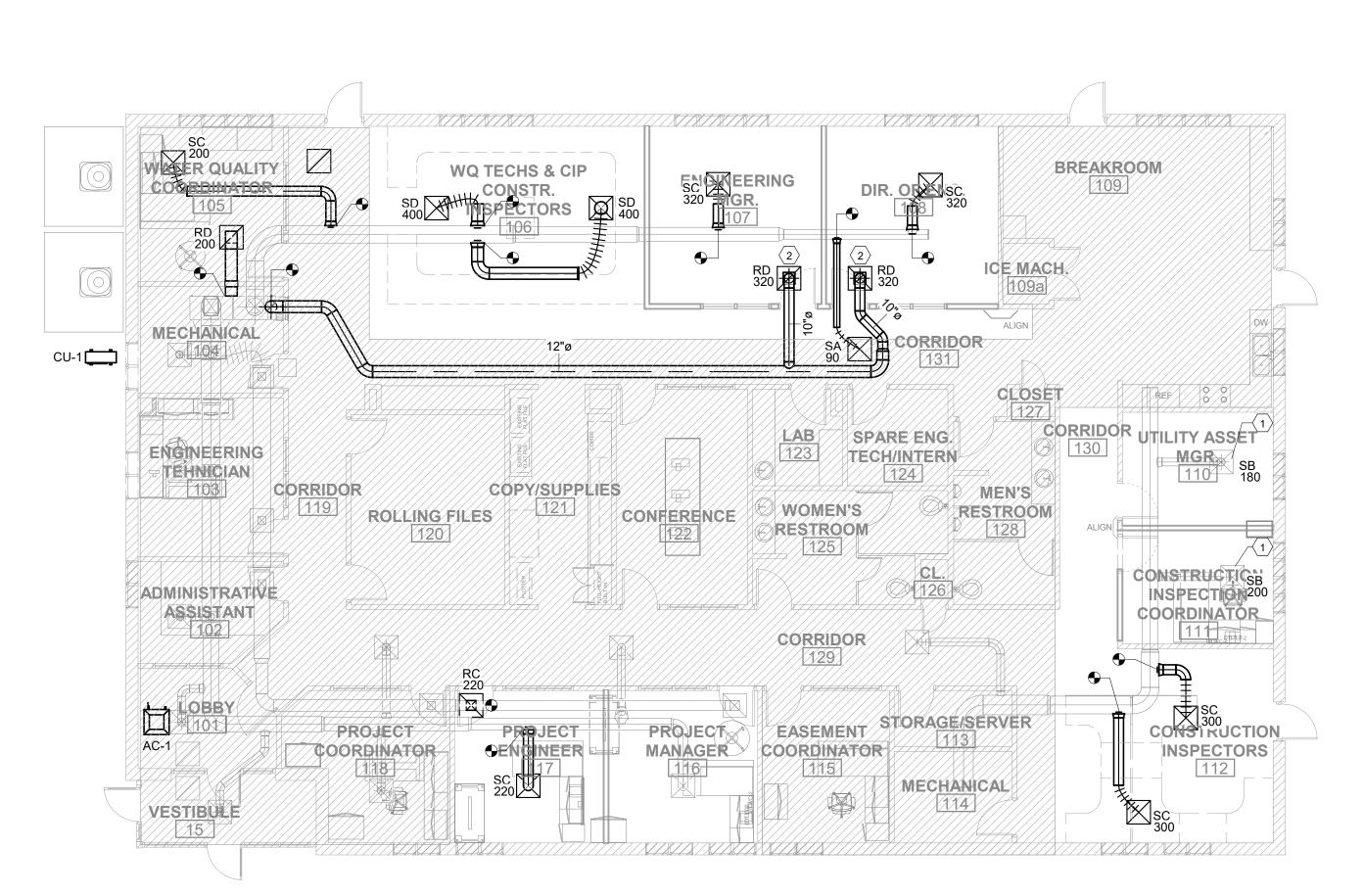
building value by valuing relationships



3 HVAC - ENGINEERING ANNEX DEMOLITION 1/8" = 1'-0"

HVAC LEGEND DEMO EXISTING TO REMAIN = = = = = : DEMOLITION





<u>NEW WORK LEGEND</u> EXISTING TO REMAIN NEW CONSTRUCTION

CONNECT TO EXISTING

HVAC KEYED NOTES:

- 1. EXISTING DIFFUSERS REMAIN, REBALANCE FOR NEW CFM
- 2. 2' X 2' EGGCRATE RETURN FILTER GRILLE.



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SOLIDATED UTILITY DISTRIC
ENGINEERING ANNEX

ISSUED CONSTRUCTION DOCUMENTS 6.07.2022

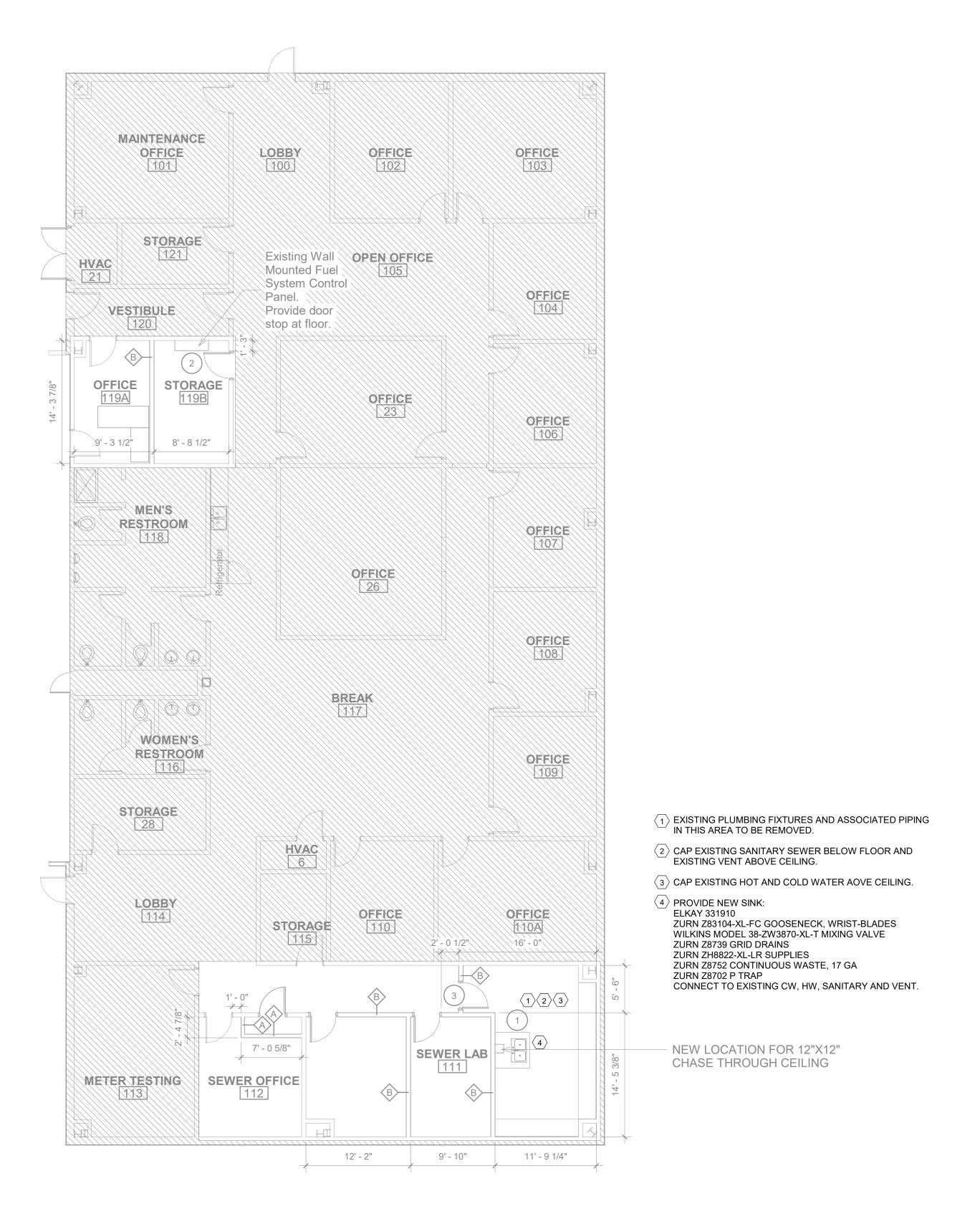
No. A REVISED

**MECHANICAL** -**ENGINEERING ANNEX** PLAN

DRAWN: CHECKED:

22014.1D PROJECT#

# PLUMBING - OPERATIONS BLDG / WAREHOUSE PHASE 2 1/8" = 1'-0"





4030 ARMORY OAKS DRIVE NASHVILLE, TENNESSEE 37204 (615) 833-8716 CONSULTING ENGINEERS

2950 KRAFT DRIVE NASHVILLE, TN. 37204 PHONE (615) 346-3400 www.icthomasson.com ICT Project No. 220322

SOLID, CON

ISSUED CONSTRUCTION DOCUMENTS 6/7/2022

No. △ REVISED

PLUMBING -OPERATIONS BLDG / WAREHOUSE FLOOR

DRAWN: CHECKED: PROJECT#