Commercial Building Tenant Improvement for:

Brown & Brown Insurance

PRESCOTT, ARIZONA



SHELDON ST.

SITE

Project Information Seet Index

CLIENT:

Brown & Brown Insurance 1055 Iron Springs Rd. Prescott, AZ 86305

PH: 928-445-3540 CONTACT: Ron Estabrook

PREPARED BY:

W. Alan Kenson & Assoc., P.C. P.O. Box 11593 Prescott, AZ 86304

PH: 928-443-5812 CONTACT: Alan Kenson WAKA@cableone.net

CONTRACTOR:

Kenson Construction Company Inc. PH: 928-443-5812 CONTACT: Alan Kenson Prescott, AZ 86301

WAKA@cableone.net

JOBSITE ADDRESS: 255 E. Sheldon St. Prescott, AZ 86301

PARCEL NUMBER: 113-16-017B

ZONING:

BG Business General

CONST. TYPE:

OCCUPANCY: **B** Business

EXISTING BUILDING

Existing 1st Floor: 5,676 S.F. Existing Basement: 2,610 S.F. Total Existing 8,286 S.F. Suite Area of Renovation: 3,295 S.F.

BUILDING CODES:

2018 International Fire Code 2018 International Plumbing Code 2018 International Mechanical Code 2018 International Fuel Gas Code

2018 International Building Code

Parking is existing and sufficient

2017 National Electrical Code

2018 International Energy Conservation Code

ARCHITECTURAL

Cover Sheet Code Summary

A1.0 **Architectural Site Plan**

Demolition and Proposed Floor Plans, Door & Hardware Schedules Demolition and Proposed Reflected Ceiling Plans, and Details

MECHANICAL

Mechanical Demolition Floor Plan

M2.0**Mechanical Floor Plan**

Mechanical Schedules and Details

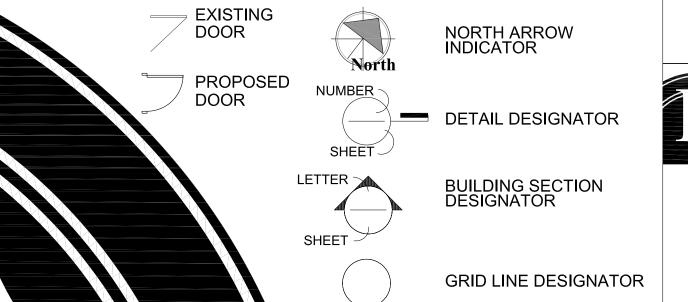
ELECTRICAL

Electrical Symbols, Spec's, Panel Schedule, One Line Diagram and Notes

E1.1 **Demolition and Proposed Lighting Floor Plans**

E1.2 **Demolition and Proposed Power Floor Plans**

Caphic Standards EXISTING DOOR



(#)

Project Description

Brown & Brown insurance intends to remodel a portion of the existing building creating 7 new offices, a conference room and a copy room. They will utilize the existing restrooms, reception area, break room and existing offices. HVAC and electric will be updated to accommodate the new spaces.

Architect:

W. Alan Kenson & Associates, P.C.

P 928-443-5812 F 928-443-5815

P.O. Box 11593 Prescott, AZ 86304

email: waka@cableone.net www.kenson-associates.com

ARCHITECTURE & PLANNING



REVISIONS

W. Alan Kenson & Associates P

W. Alan Kenson & Associates, P.

L.O. CHECKED BY W.A.K. August 20th, 2019 JOB NO. **743**

WALL TYPE DESIGNATOR

DOOR TYPE DESIGNATOR

REVISION DESIGNATOR

ELEVATION DESIGNATOR

DESCRIPTIVE NOTE DESIGNATOR

ROOM NUMBER / FINISH DESIGNATOR

DOOR NUMBER DESIGNATOR

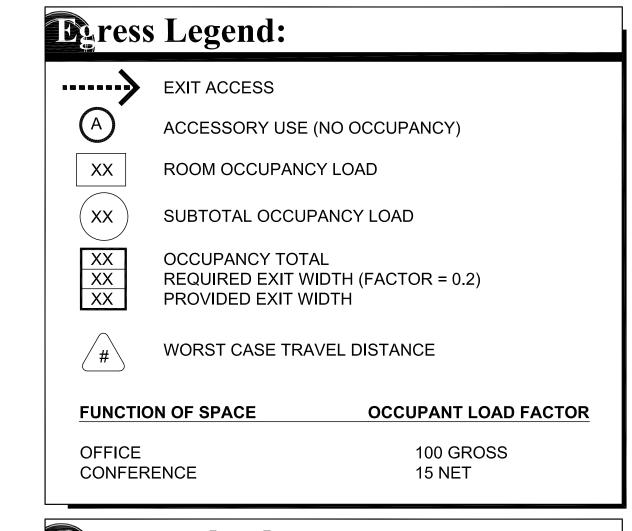
WINDOW TYPE DESIGNATOR

Rumbing Ca	alculations					
	OCCUPANCY CLASSIFICATION	OCCUPANCY COUNT	WATER CLOSETS	LAVATORIES	DRINKING FOUNTAINS	SERVICE SINK
	Business	37	1.5	.9	1	1
TOTAL REQUIRED			1.5	.9	1	1
TOTAL EXISTING			2 (SINGLE USER ACCESSIBLE)	2	*0	1

^{*} THERE ARE NO EXISTING DRINKING FOUNTAINS IN THE BUILDING. TENANT AGREES TO PROVIDE BOTTLED WATER DISPENSER.



 PROVIDE A 6"x9" BLUE TACTILE 'EXIT' SIGN AS MANUFACTURED BY 'SIMPLY EXIT SIGNS (#SE-1980)' OR EQUAL COMPLYING WITH ICCA117.1 AND IBC 1011.3 ADJACENT TO EACH DOOR TO AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE. SIGN SHALL BE MOUNTED 60" A.F.F. TO THE CENTER OF THE SIGN.



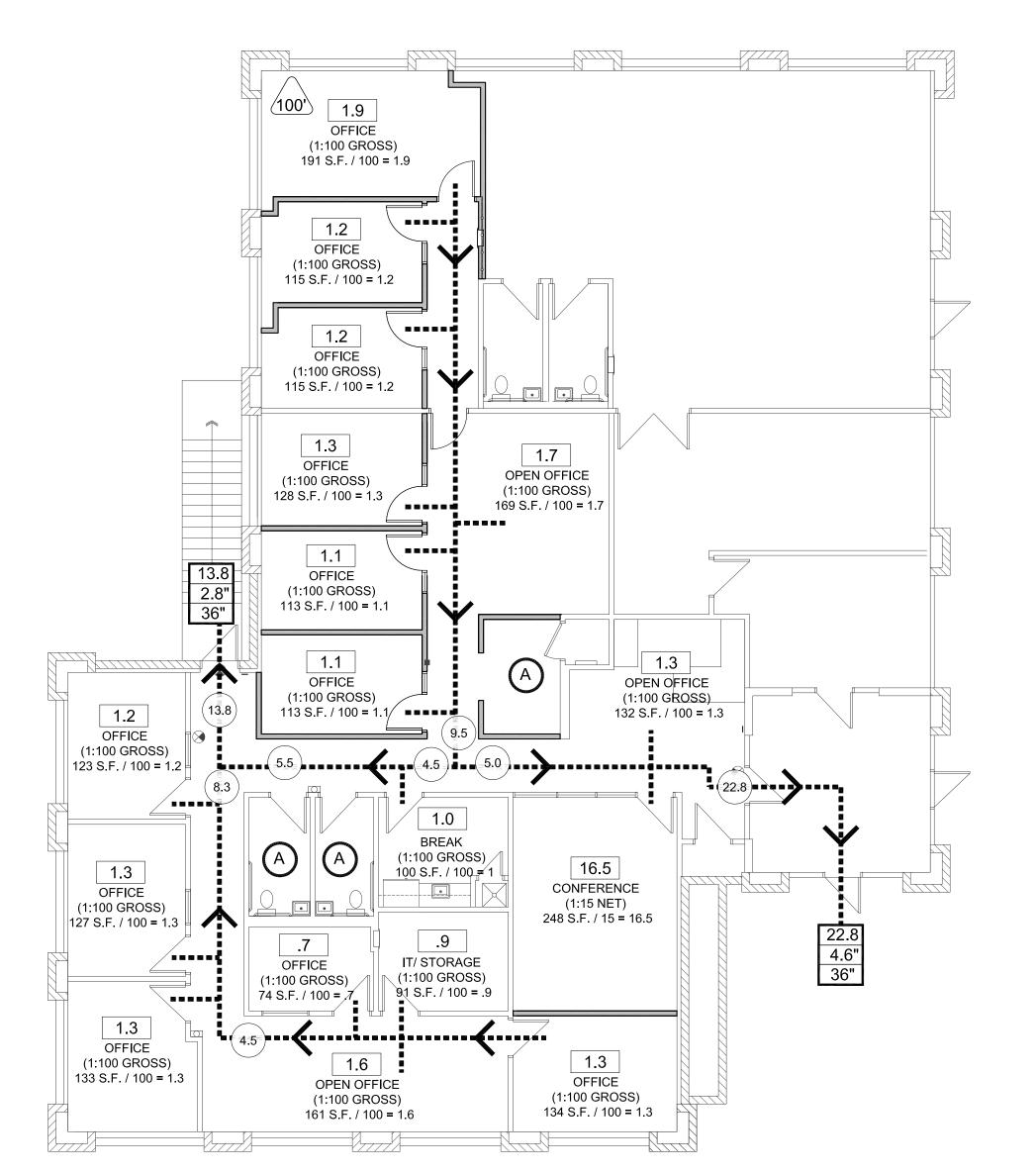


GROSS SQUARE FOOTAGE LISTED BELOW DOES NOT INCLUDE ACCESSORY AREAS.

BUSINESS AREAS: 2,019 SQ. FT. 20 OCCUPANTS CONFERENCE RM: TOTAL

248 SQ. FT. 16.5 OCCUPANTS 37 OCCUPANTS

NOTE: BUILDING IS EXISTING, INCLUDING RESTROOMS.



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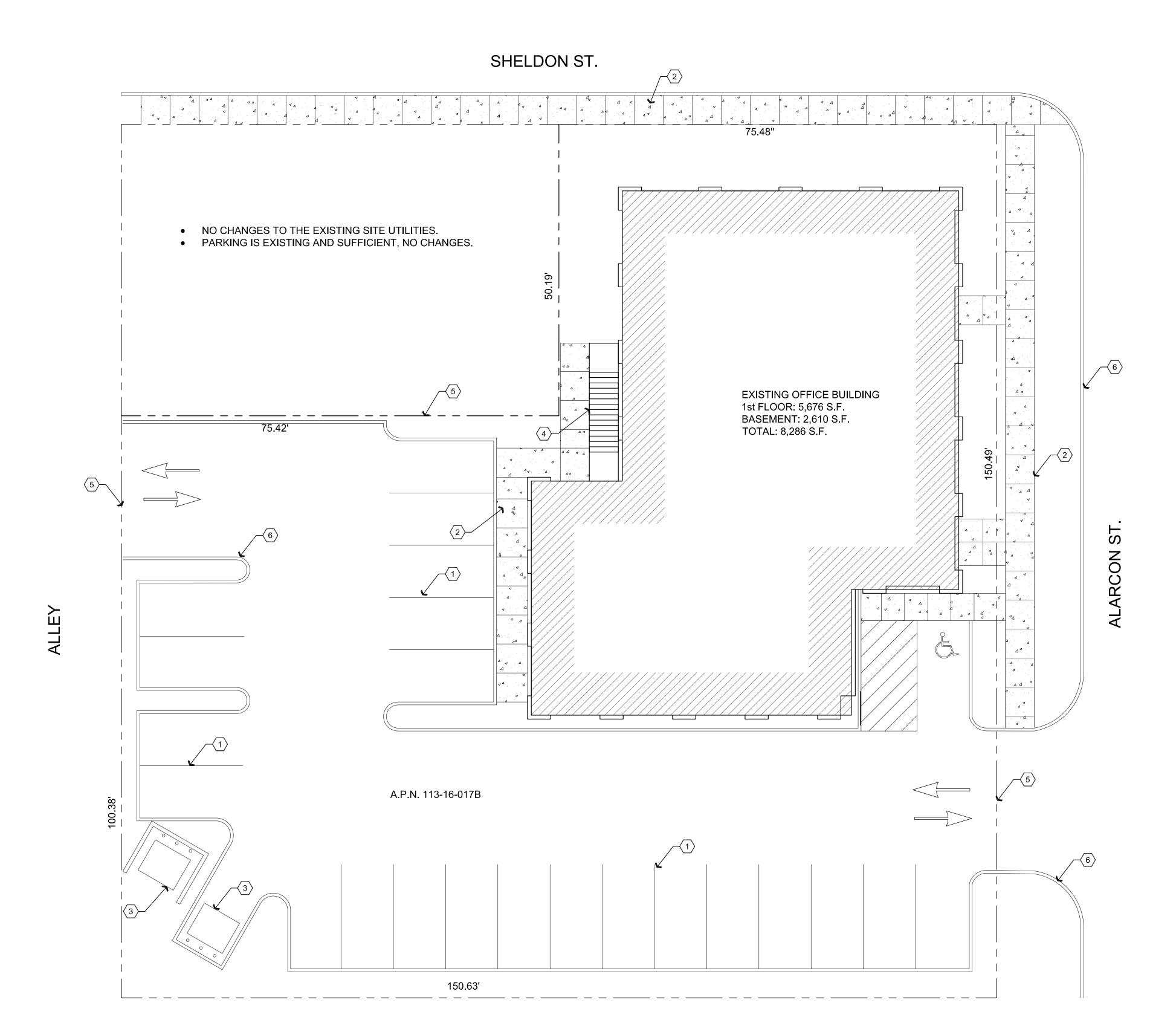
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August 20th, 2019 JOB NO. **743**

- 1. EXISTING PARKING SPACE, TYPICAL.
- 2. EXISTING SIDEWALK, TYPICAL. 3. EXISTING TRASH DUMPSTER, TYPICAL.
- 4. EXISTING STAIRS.
- 5. PROPERTY LINE.
- 6. EXISTING CURB, TYPICAL.



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Rardware Schedule

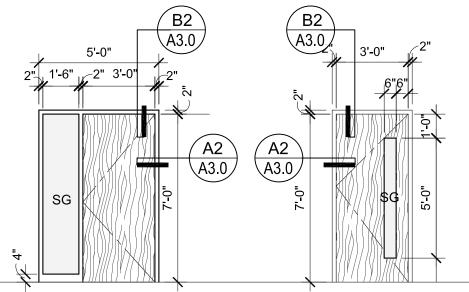
HARDWARE SET 1 SINGLE DOOR: TAG 100A, 102A, 103A, 104A, 105A EACH DOOR TO HAVE:

	,, ,		_
QTY	DESCRIPTION		MANUFACTURER
3	HINGE 4.5 X 4.5 FBB179	626	STANLEY
1	ENTRY AL53PD X SAT	626	SCHLAGE
1	WALL STOP 1270CV	626	TRIMCO
3	SILENCERS SR64	GRY	IVES

HARDWARE SET 2 SINGLE DOOR DOOR: TAG 107A

-	IV. IVA IAIV		
QTY	DESCRIPTION		MANUFACTURER
3	HINGE 4.5 X 4.5 FBB179	626	STANLEY
1	PASSAGE AL10S X SAT	626	SCHLAGE
1	HOLD OPEN SEM7850 12/24V	689	LCN
1	CLOSER QDC111 RW/PA	689	STANLEY
1	SMOKE SEAL S88BL - 17	BLK	PEMKO
	•		1

Note: The SEM Hold Open must be wired into the fire alarm system



VT INDUSTRIES 5502H
SOLID CORE VENEER FINISH
PROFILE: RED OAK
COLOR: CLEAR CL18
TO MATCH EXISTING
IN 16 GAUGE HOLLOW
METAL FRAME

VT INDUSTRIES 5502H SOLID CORE
DOOR, 1-1/2 HR FIRE RATED,
WITH LITE KIT, VENEER FINISH
PROFILE: RED OAK
COLOR: CLEAR CL18
TO MATCH EXISTING
IN 16 GAUGE HOLLOW METAL FRAME

Dior Schedule

NO.	ROOM NAME	SIZE	TYPE	TYPE DOOR DOOF		FRAME	FRAME	HARDWARE
110.	TOOM NAME	OIZL	· · · · ·	MATERIAL	DOOK! INO!!	MATERIAL	FINISH	TYPE
100A	OFFICE	3'-0"x7'-0"	Α	SCWD	STAIN	HM	PAINT	1
101A	OFFICE	3'-0"x7'-0"	Α	SCWD	STAIN	HM	PAINT	1
102A	OFFICE	3'-0"x7'-0"	Α	SCWD	STAIN	HM	PAINT	1
103A	OFFICE	3'-0"x7'-0"	Α	SCWD	STAIN	НМ	PAINT	1
104A	OFFICE	3'-0"x7'-0"	Α	SCWD	STAIN	HM	PAINT	1
105A	OFFICE	3'-0"x7'-0"	Α	SCWD	STAIN	НМ	PAINT	1
107A	CORRIDOR	3'-0"x7'-0"	В	SCWD	STAIN	HM	PAINT	2

NOTES:

- 1. ALL EXIT DOORS & HARDWARE SHALL COMPLY WITH THE 2012 I.B.C.
- 2. DOOR THRESHOLDS SHALL HAVE A MAX HEIGHT OF 1/2" FOR H.C. ACCESSIBILITY. THRESHOLD SHALL HAVE A MAXIMUM RISE OF 1/4" AND 1/2" RISE WHEN BEVELED WITH MAXIMUM 1:2 SLOPE.
- 3. ALL GLAZING IN DOORS SHALL BE SAFETY GLAZING.
- 4. ALL INTERIOR DOORS SHALL BE OPERABLE FOR EMERGENCY EXITING PURPOSES WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE NOR EFFORT.
- 5. ALL GLAZING WITHIN 24" OF OPENINGS SHALL BE SAFETY GLASS.
- 6. IF A DOOR HAS A CLOSER, THEN THE SWEEP PERIOD OF THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES, THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR.
- 7. DOOR HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERATING DEVICES ON ACCESSIBLE DOORS SHALL HAVE A SHAPE THAT IS EASY TO GRASP WITH ONE HAND AND DOES NOT REQUIRE TIGHT GRASPING, TIGHT PINCHING, OR TWISTING OF THE WRIST TO OPERATE. HARDWARE REQUIRED FOR DOOR PASSAGE SHALL BE MOUNTED NO HIGHER THAN 48" ABOVE FINISH FLOOR.
- 8. DOOR OPENING FORCE SHALL BE: 5lbf MAX INTERIOR HINGED, SLIDING OR FOLDING DOORS; FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY.

Discriptive Keynotes \bigcirc

- 1. REMOVE PORTION OF EXISTING DEMISING WALL FOR INSTALLATION OF NEW DOOR
- 2. REMOVE WALL.
- 3. PROVIDE NEW WALL, TYPICAL, REFER TO WALL TYPES.
- 4. PROVIDE NEW DOOR, TYPICAL, REFER TO DOOR SCHEDULE.
- 5. ALIGN NEW WALL WITH EXISTING WALL.
- 6. ALIGN NEW WALL WITH EXISTING WINDOW MULLION.
- 7. EXISTING COLUMN TO REMAIN.
- 8. PROVIDE A 6"x9" BLUE TACTILE 'EXIT' SIGN AS MANUFACTURED BY 'SIMPLY EXIT SIGNS (#SE-1980)' OR EQUAL COMPLYING WITH ICCA117.1 AND IBC 1011.3 ADJACENT TO EACH DOOR TO AN EXIT PASSAGEWAY AND THE EXIT DISCHARGE. SIGN SHALL BE MOUNTED 60" A.F.F. TO
- THE CENTER OF THE SIGN.
 9. REMOVE EXISTING MILLWORK.
- 10. PROVIDE ELECTRICAL PANEL, REFER TO ELECTRICAL PLANS.
- 11. EXISTING FIRE EXTINGUISHER.
- 12. EXISTING FIRE ALARM PANEL.
- 13. REMOVE EXISTING MAIL SLOTS.
- 14. PATCH AND REPAIR WALL WHERE MAIL SLOTS WERE REMOVED, TO MATCH EXISTING.
- 15. CUBICLE SPACE.
- 16. EXISTING 'BUILT IN' RECEPTION COUNTER / DESK.



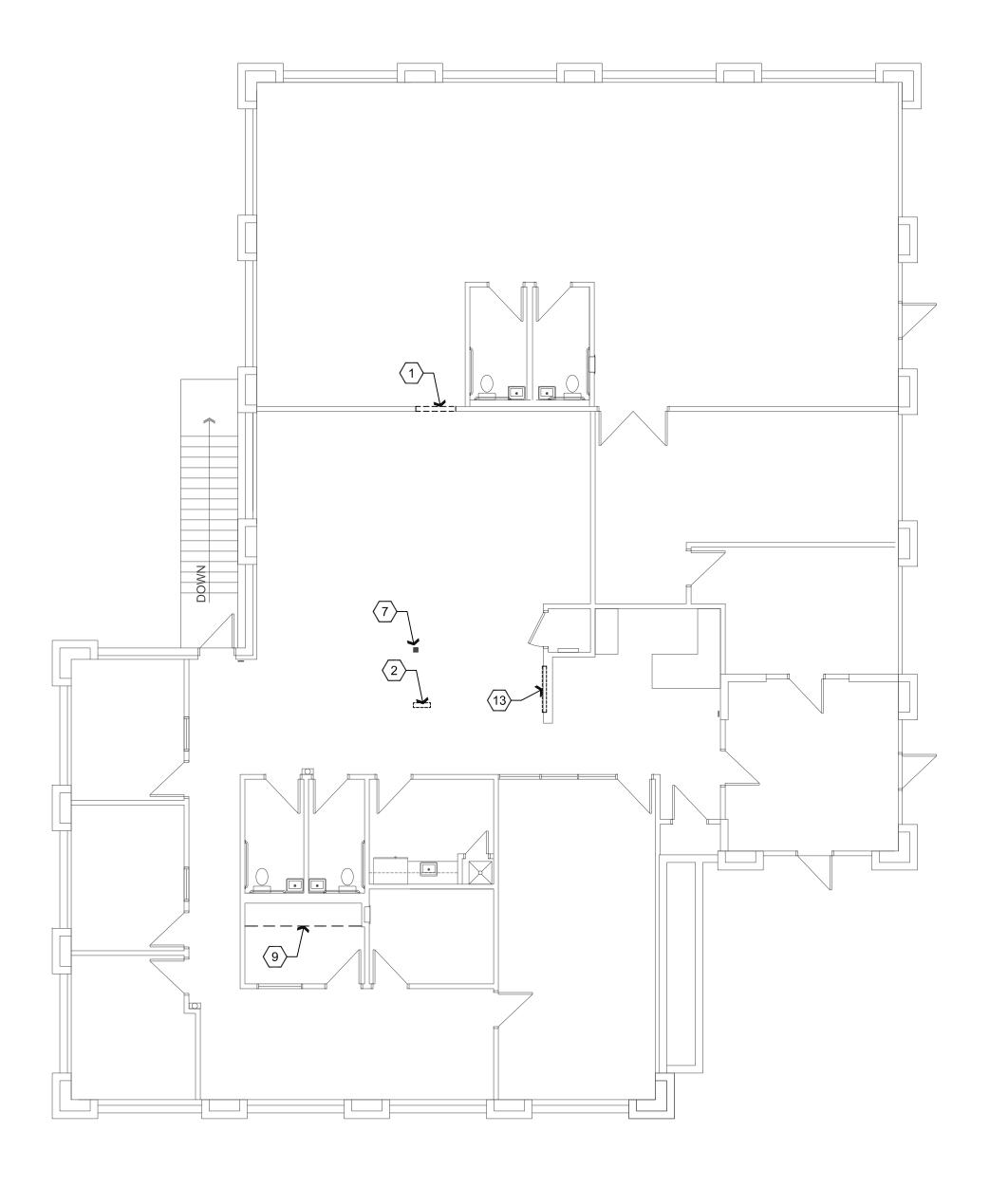
A INTERIOR PARTITION WALL:

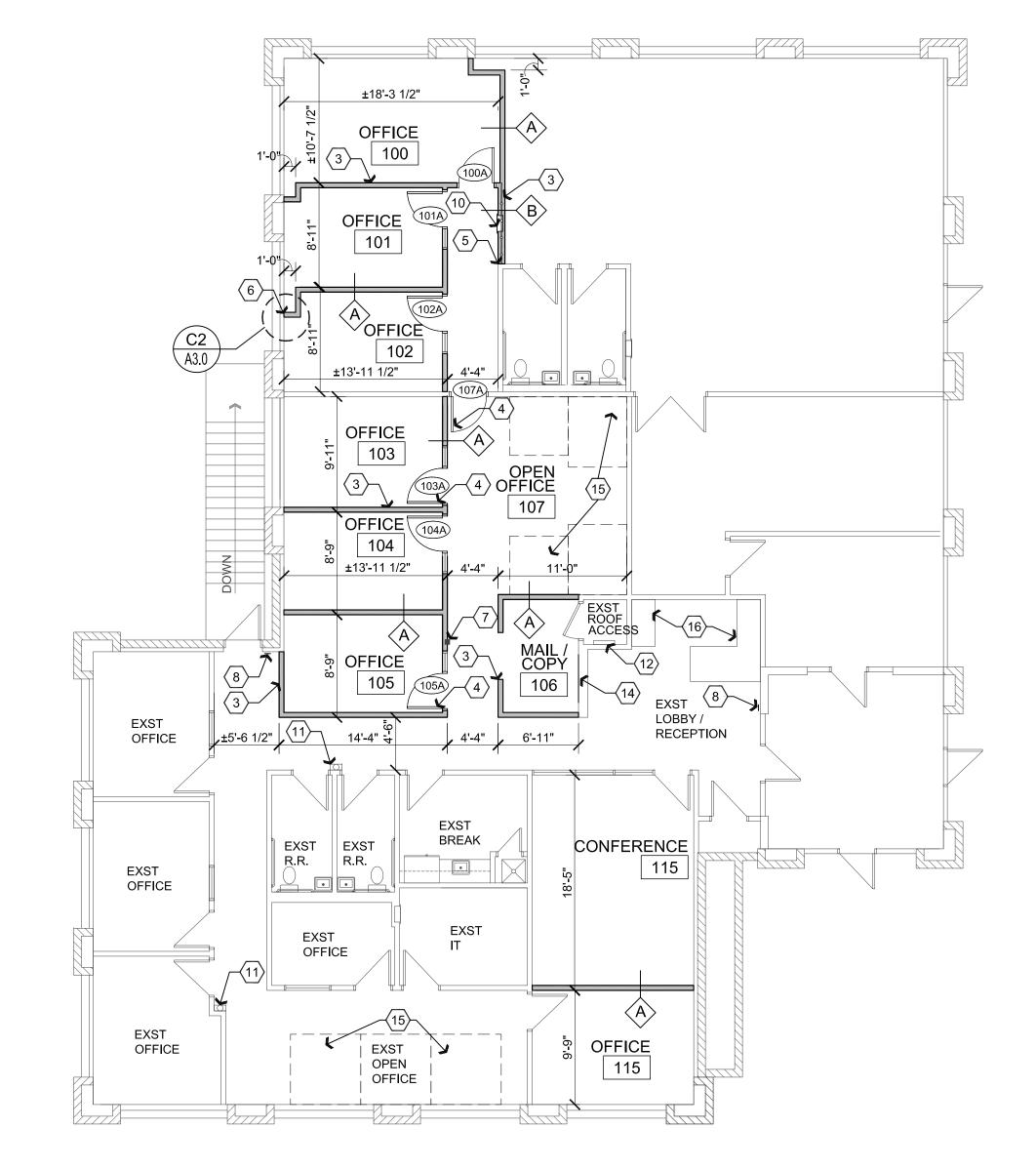
PROVIDE TO 6" ABOVE CEILING $3-\frac{5}{8}$ " 25 GA. STEEL STUDS AT 2'-0" O.C. WITH 5/8" GPDW ON EXPOSED SIDES. PROVIDE R-11 UNFACED BATT INSULATION.

B INTERIOR PARTITION WALL:

PROVIDE TO 6" ABOVE CEILING 6" 25 GA. STEEL STUDS AT 2'-0" O.C. WITH 5/8" GPDW ON EXPOSED SIDES. PROVIDE R-19 UNFACED BATT INSULATION.

EXISTING

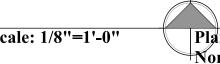














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nolition and Proposed Floor Plans or and Hardware Schedules, and Details

ECT: Brown & Brown 255 E. Sheldon

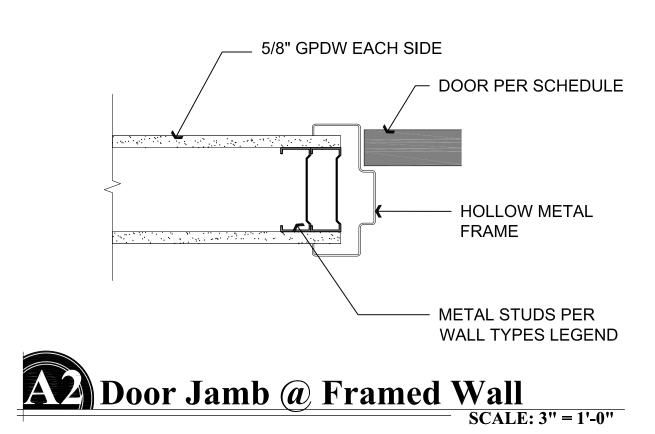
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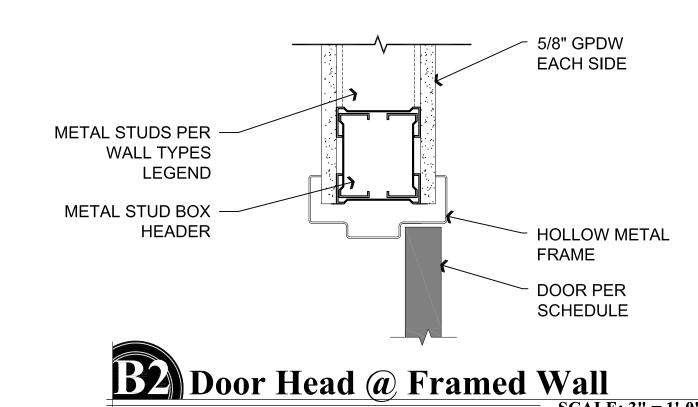
August 20th, 2019

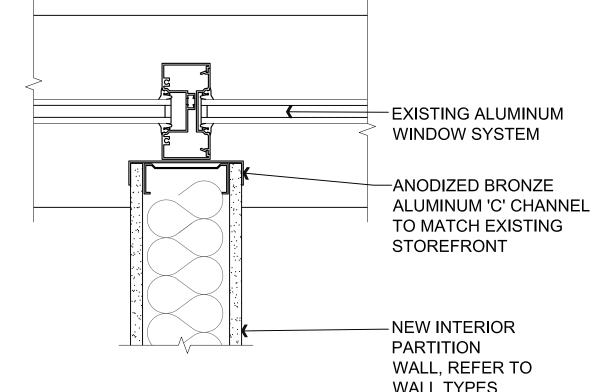
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SHEET

A2.0



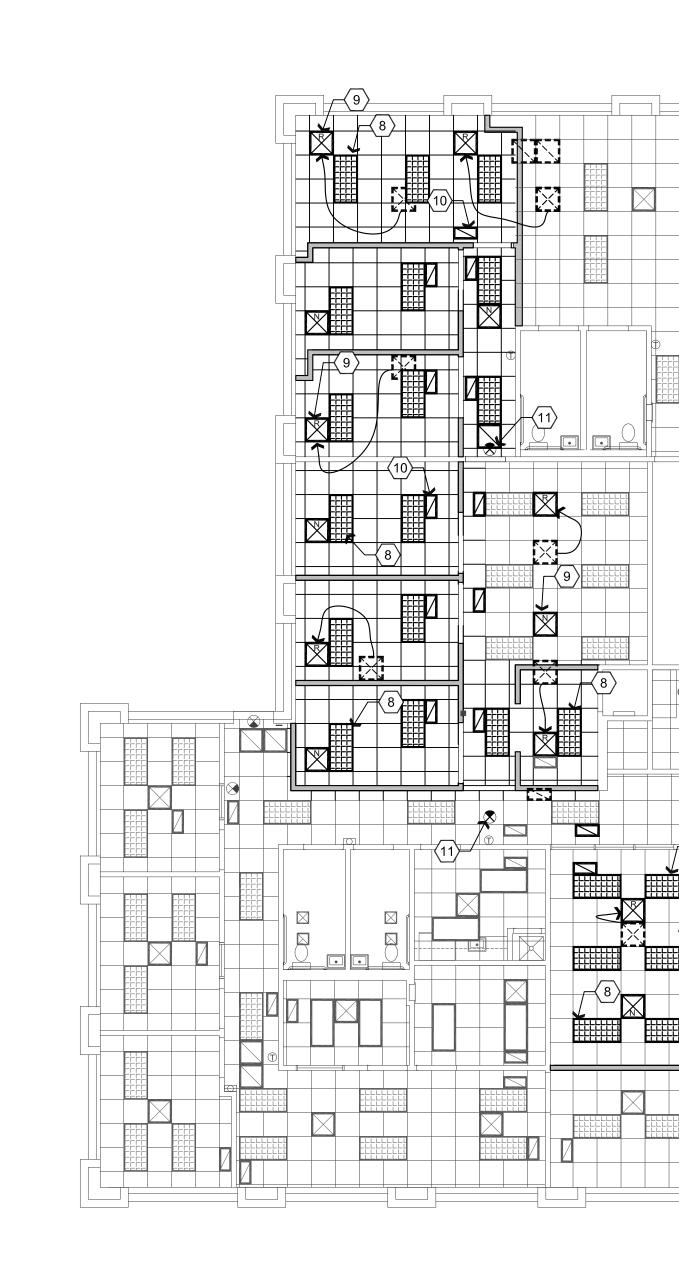


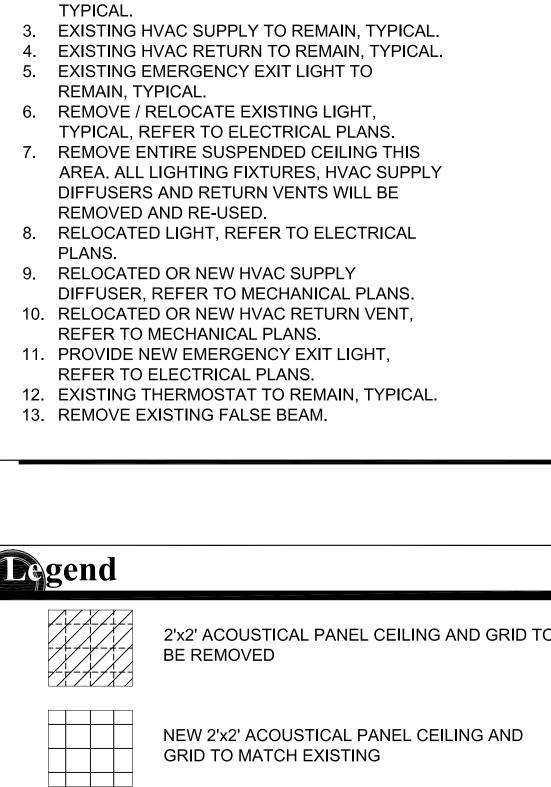


WALL, REFER TO WALL TYPES

Interior Wall at Mullion

SCALE: 3" = 1'-0"



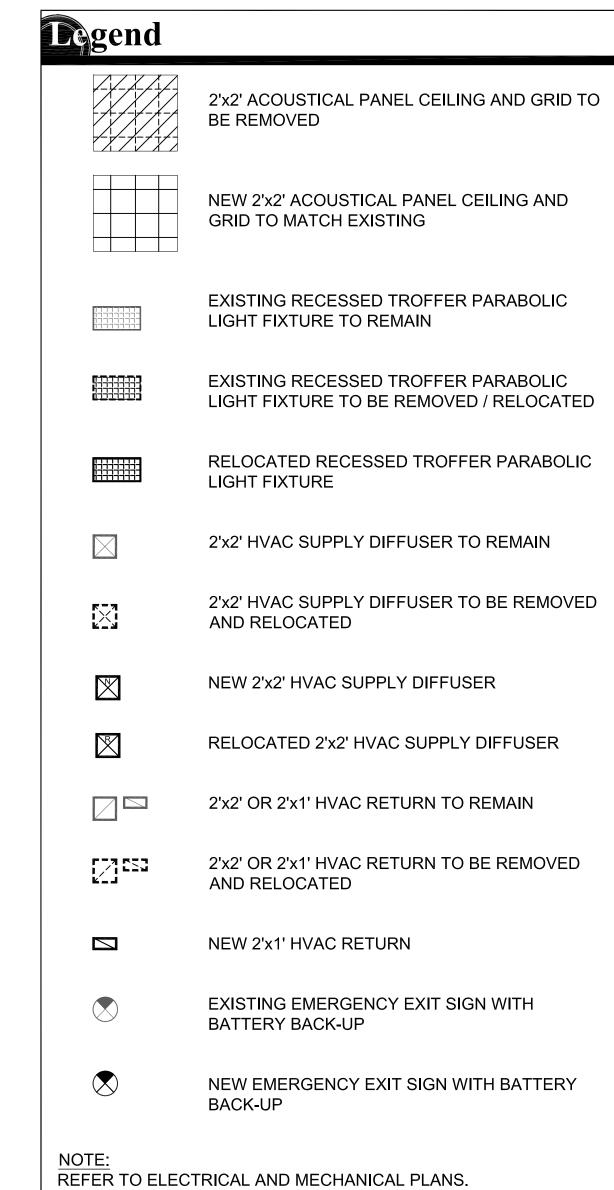


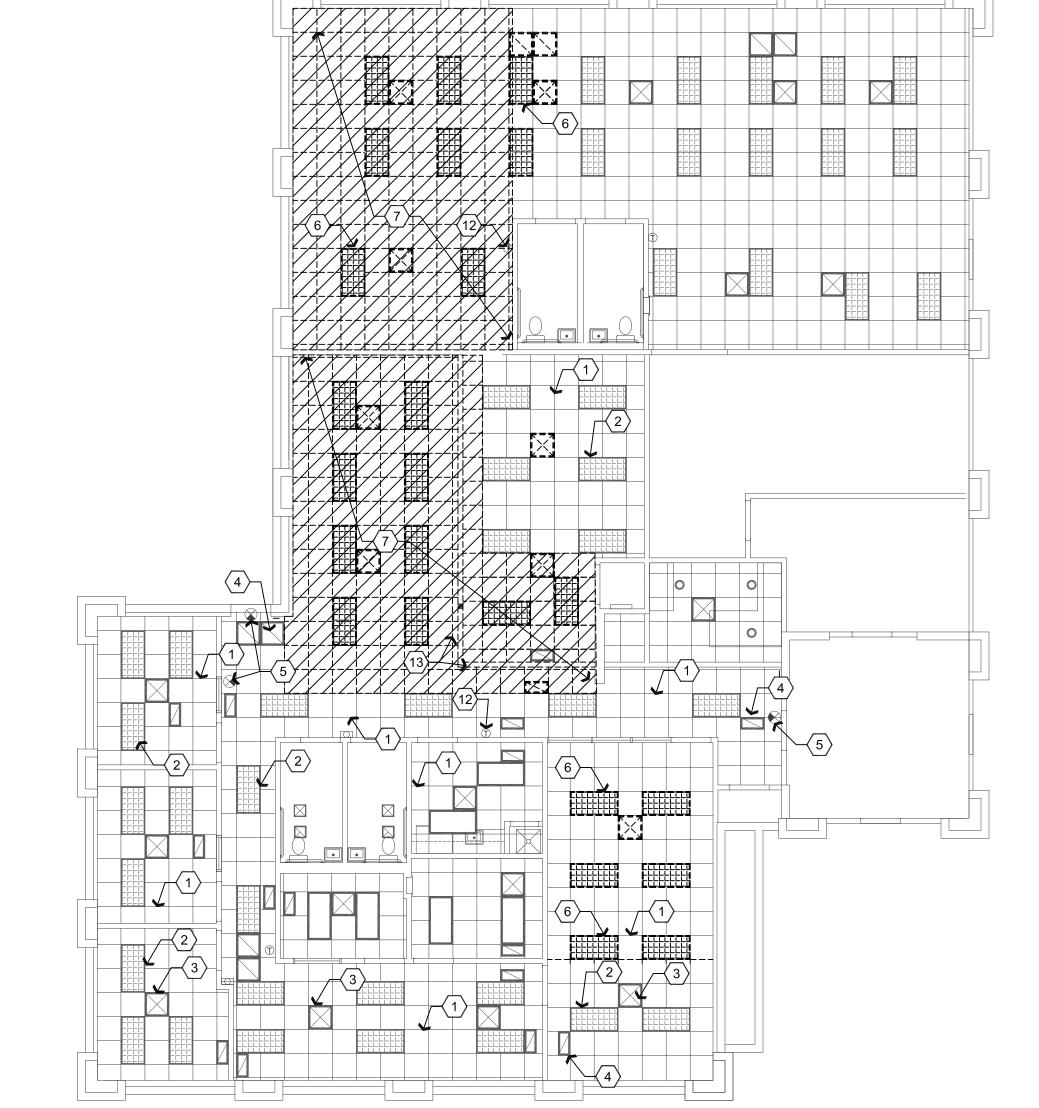
Descriptive Keynotes

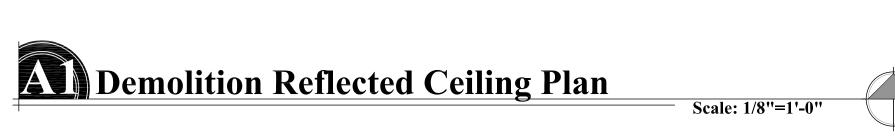
TYPICAL.

1. EXISTING SUSPENDED CEILING TO REMAIN,

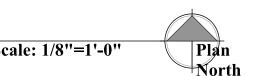
2. EXISTING LIGHT FIXTURES TO REMAIN,











EXISTING FROM WRONG UNIT

AWING: Demolition and Proposed Reflected Ceiling P and Details
OJECT: Brown & Brown TI

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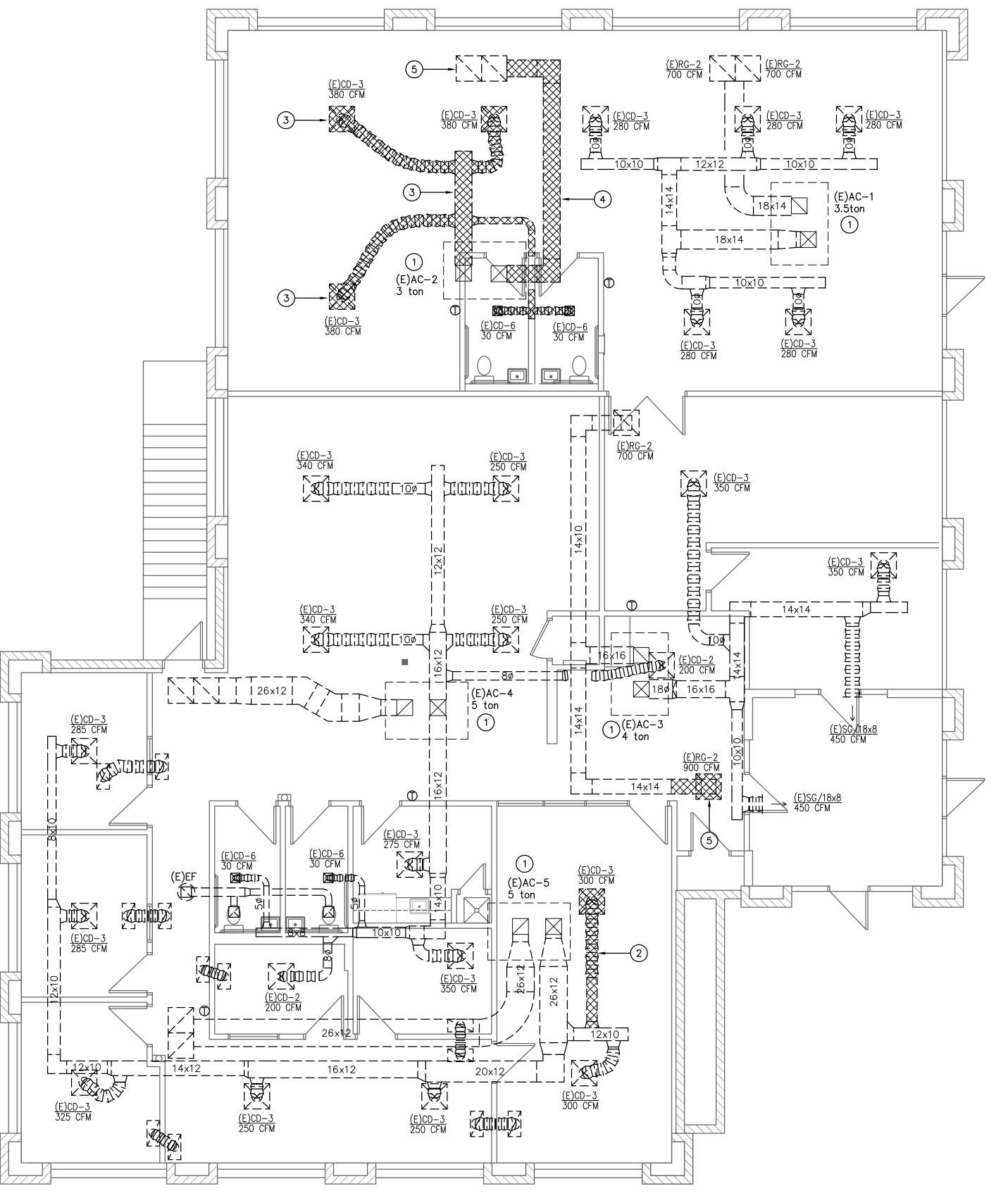
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August 20th, 2019

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743

A3.0



KEYNOTES

- 1 EXISTING ROOF MOUNTED A/C. VERIFY AND REFURBISH UNIT AS NOTED BELOW. EXISTING CONDENSATE DRAIN TO REMAIN.
- 2) REMOVE EXISTING SUPPLY DIFFUSER AND BRANCH DUCT AND PATCH MAIN.
- REMOVE EXISTING SUPPLY DIFFUSERS AND DUCTWORK BACK TO UNIT. CLEAN AND STOCKPILE DIFFUSERS FOR REUSE. REFER TO SHEET M2.0.
- 4 REMOVE EXISTING RETURN GRILLES AND DUCTWORK BACK TO UNIT. CLEAN AND STOCKPILE RETURN GRILLES FOR REUSE. REFER TO SHEET M2.0.
- 5 REMOVE EXISTING RETURN GRILLE AND DUCT SHOWN HATCH.

VERIFICATION AND REFURBISHMENT

CONTRACTOR SHALL VERIFY CAPACITY OF EXISTING ROOFTOP HEAT PUMP UNITS AND TEST FOR PROPER OPERATION. REFURBISH AS NOTED BELOW AS REQUIRED; a) VERIFY UNIT TONNAGE, CONFIGURATION, LOCATION, DATA, DUCT SIZE, ETC., AND NOTIFY ENGINEER IF CAPACITY OR LAYOUT IS OTHER THAN WHAT IS STATED

b) START UNIT AND REPAIR/REPLACE MOTOR, FAN BELT, FUSES, OR CONTRACTORS AS MAY BE REQUIRED.

c) CHECK FOR PROPER OPERATION AND INSTALLATION, CLEAN COIL AND CASING AND DETERMINE ANY/ALL REPAIRS THAT MAY BE REQUIRED TO RETURN UNIT TO PROPERLY FUNCTIONING CONDITION.

d) INSPECT AND TEST T-STAT FOR PROPER OPERATION AND RELOCATE TO NEW LOCATION IF SHOWN ON MECHANICAL PLAN.

e) TEST EXISTING CONDENSATE DRAIN FOR PROPER DRAINAGE. REPAIR OR RÉPLACE AS MAY BE REQUIRED.

- f) COMB CONDENSER COIL FINS.
- g) PROVIDE NEW AND CLEAN FILTER.

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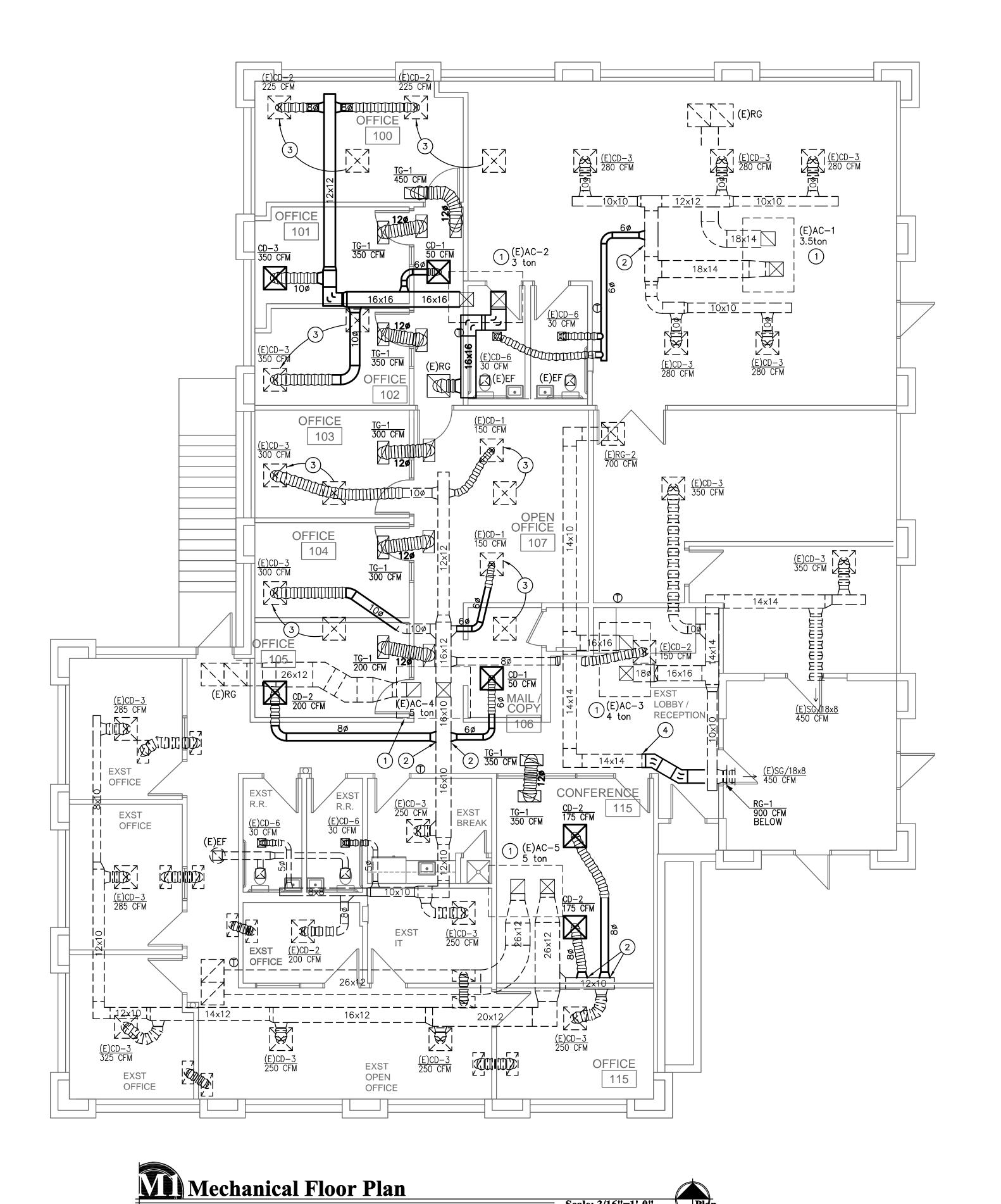
DATE July 3rd, 2019

M1.0

Design Group, LLC consulting Engineers 611 West Delano Ave Prescott, AZ 86301 Project Surprise, AZ 85379 (602) 499.0001 #19080 (623) 444-6143

Mechanical Demo Floor Plan

Scale: 3/16"=1'-0"



Scale: 3/16"=1'-0"

KEYNOTES

- RELOCATE EXISTING SUPPLY DIFFUSER AS SHOWN. PROVIDE NEW OR EXTEND FLEX DUCT AS MAY BE REQUIRED.
- 4 EXTEND 14x14 RETURN DUCT TO NEW SIDEWALL RETURN GRILLE LOCATED BELOW EXSITING SUPPLY GRILLE.

EXISTING HVAC SYSTEMS SHOWN ARE BASED
ON AS BUILT DRAWINGS AND A LIMITED VISUAL
INSPECTION, CONTRACTOR SHALL FIELD VERIFY
ALL MECHANICAL SYSTEMS BEFORE BEGINNING
ANY WORK. CONTRACTOR SHALL REPORT ANY
DISCREPANCIES FOUND THAT WILL CONFLICT WITH THE WORK SHOWN ON THESE DRAWINGS.

ALL FLEXIBLE AIR DUCT CONNECTORS
SHALL BE TESTED IN ACCORD WITH UL 181
ABD LISTED AND LABLED AS CLASS 0 OR

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M2.0

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- 1 EXISTING ROOF MOUNTED A/C. BALANCE OUTSIDE PER CALCULATION ON SHEET M3.0
- 2 CONNECT NEW BRANCH DUCT TO EXISTING AND EXTEND TO NEW CEILING DIFFUSER.

CLASS 1.

MECHANICAL SPECIFICATIONS

GENERAL REQUIREMENTS

GENERAL PROVISIONS WHICH MAKE SPECIFIC REFERENCE TO ELECTRICAL DIVISION ONLY ARE INCLUDED HEREIN FOR CLARITY AND SIMPLIFICATION OF SPECIFICATIONS WRITING AND ARE NOT PART OF THE MECHANICAL WORK. THE WORK OF DIVISION 15, MECHANICAL, IS SUBJECT TO THE CONDITIONS OF THE CONDITIONS OF THE CONTRACT, DIVISION 1, GENERAL REQUIREMENTS, AND APPLICABLE REQUIREMENTS OF OTHER PORTIONS OF THE CONTRACT DOCUMENTS. EXAMINE AND BECOME FAMILIAR WITH ALL CONTRACT DOCUMENTS AND COORDINATE THE MECHANICAL WORK ACCORDINGLY.

INTENT

IT IS THE INTENTION OF THE SPECIFICATIONS AND DRAWINGS TO CALL FOR FINISHED WORK, TESTED AND READY FOR OPERATION. ANY APPARATUS, APPLIANCE, MATERIAL OR WORK NOT SHOWN ON THE DRAWINGS, BUT MENTIONED IN THE SPECIFICATIONS OR VICE VERSA, OR ANY INCIDENTAL ACCESSORIES NECESSARY TO MAKE THE WORK COMPLETE AND READY FOR OPERATION, EVEN IF NOT PARTICULARLY SPECIFIED, SHALL BE PROVIDED WITHOUT ADDITIONAL EXPENSE TO THE OWNER. SHALL THERE APPEAR TO BE DISCREPANCIES OR QUESTIONS OF INTENT IN THE CONTRACT. DOCUMENTS, REFER THE MATTER TO THE ARCHITECT FOR HIS DECISION BEFORE ORDERING ANY MATERIALS OR EQUIPMENT OR BEFORE THE START OF ANY RELATED WORK. THE DECISION OF THE ARCHITECT SHALL BE FINAL, CONCLUSIVE AND BINDING.

DRAWINGS AND DATA

DRAWINGS ARE GENERALLY DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE OF WORK AND TO INDICATE GENERAL ARRANGEMENT OF EQUIPMENT, DUCTS, CONDUITS, PIPING AND FIXTURES. THEY ARE NOT INTENDED TO SHOW EVERY OFFSET OR FITTINGS OR EVERY STRUCTURAL DIFFICULTY THAT MAY BE ENCOUNTERED DURING INSTALLATION OF THE WORK. LOCATION OF ALL ITEMS NOT DEFINITELY FIXED BY DIMENSIONS ARE APPROXIMATE ONLY. EXACT LOCATIONS NECESSARY TO SECURE BEST CONDITIONS AND RESULTS MUST BE DETERMINED AT PROJECT AND SHALL HAVE OVAL OF ARCHITECT BEFORE BEING INSTALLED. DO NOT SCALE DRAWINGS. IF SO DIRECTED BY ARCHITECT, WITHOUT EXTRA CHARGE, MAKE REASONABLE MODIFICATIONS IN LAYOUT AS NEEDED TO PREVENT CONFLICT WITH WORK OF OTHER TRADES OR FOR PROPER EXECUTION OF WORK. INCLUDE MINOR DETAILS NOT USUALLY SHOWN OR SPECIFIED, BUT NECESSARY FOR PROPER INSTALLATION AND OPERATION OF A SYSTEM OR PIECE OF EQUIPMENT IN BID PRICE.

INCLUDE IN WORK, WITHOUT EXTRA COST TO OWNER, LABOR, MATERIALS, SERVICES, APPARATUS, NECESSARY FOR THE REMODELING, INSTALLATION DRAWINGS (IN ADDITION TO CONTRACT DRAWINGS AND DOCUMENTS) REQUIRED TO COMPLY WITH APPLICABLE LAWS, ORDINANCES, RULES AND REGULATIONS. DRAWINGS AND SPECIFICATIONS TAKE PRECEDENCE WHEN THEY ARE MORE STRINGENT THAN CODES, ORDINANCES, STANDARDS AND STATUTES. CODES, ORDINANCES, STANDARDS AND STATUES TAKE PRECEDENCE WHEN THEY ARE MORE STRINGENT OR CONFLICT WITH DRAWINGS OR SPECIFICATIONS. FOLLOWING INDUSTRY STANDARDS, SPECIFICATIONS AND CODES ARE MINIMUM REQUIREMENTS:

A. APPLICABLE CITY, COUNTY, AND STATE MECHANICAL, ELECTRICAL, GAS, PLUMBING, HEALTH AND SANITARY CODES, LAWS AND ORDINANCES. B. CITY OR OTHER APPLICABLE BUILDING CODES. C. NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION STANDARDS. D. NATIONAL ELECTRIC SAFETY CODE.

E. UNDERWRITER'S LABORATORIES, INC. STANDARDS.

F. AMERICAN NATIONAL STANDARDS INSTITUTE. G. AMERICAN SOCIETY FOR TESTING MATERIALS STANDARDS. H. 2018 INTERNATIONAL MECHANICAL CODE WITH

LOCAL AMENDMENTS. I. REGULATIONS, PERMITS, INSPECTIONS: COMPLY WITH ALL APPLICABLE CODED, RULES AND REGULATIONS. ALL MATERIALS, EQUIPMENT AND WORK MUST CONFORM TO THE INTERNATIONAL MECHANICAL CODE. OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND LICENSES. WHEN REQUIRED BY CODE, ALL WORK MUST BE INSPECTED AND APPROVED BY LOCAL AUTHORITIES.

GENERAL

MATERIALS AND EQUIPMENT STANDARD PRODUCTS OF A REPUTABLE MANUFACTURER REGULARLY ENGAGED IN MANUFACTURE OF THE SPECIFIED ITEMS. WHERE MORE THAN ONE UNIT IS REQUIRED OF ANY ITEM, FURNISHED BY THE SAME MANUFACTURER, EXCEPT WHERE SPECIFIED OTHERWISE. INSTALL MATERIAL AND EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. SHOULD VARIANCE BETWEEN PLANS AND SPECIFICATIONS OCCUR WITH THESE, CONTACT ARCHITECT IMMEDIATELY SO THAT VARIATIONS IN INSTALLATION CAN BE KNOWN BY ALL PARTIES CONCERNED. PROVIDE EQUIPMENT FROM MANUFACTURER WHOSE PRODUCTS HAVE LOCAL REPRESENTATION.

EXECUTION

PROTECT EXISTING ACTIVE SERVICES (WATER, GAS, SEWER, ELECTRIC) WHEN ENCOUNTERED, AGAINST DAMAGE FROM CONSTRUCTION WORK. DO NOT PREVENT OR DISTURB OPERATION OF ACTIVE SERVICES WHICH ARE TO REMAIN. IF WORK MAKES MECHANICAL CODE. OBTAIN AND PAY FOR ALL TEMPORARY SHUTDOWNS OF SERVICES UNAVOIDABLE, CONSULT WITH OWNER AS TO DATES, PROCEDURES, AND ESTIMATED DURATION OF AT LEAST 10 WORKING DAYS IN ADVANCE OF DATE WHEN WORK IS TO BE PERFORMED. ARRANGE WORK FOR CONTINUOUS PERFORMANCE TO ASSURE THAT EXISTING OPERATING SERVICES WILL BE SHUT DOWN ONLY DURING THE TIME REQUIRED TO MAKE NECESSARY CONNECTIONS. A SYSTEM CANNOT SHUT DOWN, INSTALL TEMPORARY BYPASSES OR JUMPERS UNTIL CONNECTIONS ARE COMPLETE. CONTRACTOR RESPONSIBLE FOR ALL COSTS INCURRED BY ABOVE SHUTDOWNS, INCLUDING BYPASS OR JUMPER INSTALLATIONS, FOR WORK PERFORMED UNDER THIS SECTION. IF EXISTING ACTIVE UTILITY SERVICES ARE ENCOUNTERED WHICH REQUIRE RELOCATION, MAKE REQUEST TO PROPER AUTHORITIES FOR DETERMINATION OF PROCEDURES. PROPERLY TERMINATE EXISTING SERVICES TO BE ABANDONED IN CONFORMANCE WITH REQUIREMENTS CONNECTION TO AIR DISTRIBUTION DEVICES, BUT OF AUTHORITIES. WHERE CONNECTIONS OR DISRUPTIONS ARE MADE TO EXISTING SYSTEMS, REACTIVATE, REFILL, AND RECHARGE ALL COMPONENTS AND RESTORE SYSTEMS TO OPERATING CONDITIONS AT TIME OF DISRUPTION.

GUARANTEE

EACH COMPLETE SYSTEM GUARANTEED BY CONTRACTOR FOR A PERIOD OF ONE YEAR, FROM DATE OF ACCEPTANCE OF WORK BY OWNER IN WRITING, TO BE FREE OF DEFECTS OF MATERIALS AND WORKMANSHIP, AND TO PERFORM SATISFACTORILY UNDER ALL CONDITIONS OF LOAD OR SERVICE. THE GUARANTEES PROVIDE THAT ANY ADDITIONAL CONTROLS, PROTECTIVE DEVICES, OR EQUIPMENT BE PROVIDED AS NECESSARY TO MAKE THE SYSTEM OF EQUIPMENT OPERATE SATISFACTORILY, AND THAT ANY FAULTY MATERIALS OR WORKMANSHIP BE REPLACED OR REPAIRED. ON FAILURE OF GUARANTOR TO DO THE ABOVE AFTER WRITTEN NOTICE FROM OWNER THE OWNER MAY HAVE THE WORK DOWN AT THE COST OF GUARANTOR. LOSS OF REFRIGERANT IS CONSIDERED A DEFECT IN WORKMANSHIP AND/OR EQUIPMENT, TO BE CORRECTED AS REQUIRED AT NO EXTRA COST TO THE OWNER.

PROVIDE EXTENDED FIVE (5) YEAR FACTORY PARTS SPACE: & LABOR WARRANTY ON ALL AIR CONDITIONING COMPRESSORS.

AIR CONDITIONING, HEATING AND VENTILATING

WORK UNDER THIS SECTION INCLUDES FURNISHING ALL LABOR, MATERIALS AND EQUIPMENT AND PLACING INTO OPERATION THE HEATING VENTILATING AND AIR CONDITIONING WORK AS SPECIFIED HEREIN AND INDICATED ON THE

VERIFICATION OF DIMENSIONS:

SCALED AND FIGURED DIMENSIONS ARE APPROXIMATE ONLY. BEFORE PROCEEDING WITH WORK, CAREFULLY CHECK AND VERIFY AT THE SITE, AND RESPONSIBLE FOR PROPERLY FITTING EQUIPMENT AND MATERIALS TOGETHER AND TO THE STRUCTURE IN SPACES PROVIDED. DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND MANY OFFSETS, BENDS, SPECIAL FITTINGS AND EXACT LOCATIONS ARE NOT INDICATED. CAREFULLY STUDY DRAWINGS AND PREMISES I ORDER TO DETERMINE BEST METHODS, EXACT LOCATIONS, ROUTES AND BUILDING OBSTRUCTIONS, PRESERVE HEADROOM, AND KEEP OPENINGS AND PASSAGEWAYS CLEAR.

CUTTING AND PATCHING:

CUT EXISTING WORK AND PATCH AS NECESSARY TO PROPERLY INSTALL THE NEW WORK. AS THE WORK PROGRESSES, LEAVE NECESSARY OPENINGS, HOLES AND CHASES, ETC., IN THEIR CORRECT LOCATIONS. IF THE REQUIRED OPENINGS, HOLES AND CHASES ETC., ARE NOT IN THEIR CORRECT LOCATIONS, MAKE THE NECESSARY CORRECTIONS AT NO COST TO THE OWNER. AVOID EXCESSIVE CUTTING AND DO NOT CUT STRUCTURAL MEMBERS WITHOUT CONSENT OF ARCHITECT.

REGULATIONS, PERMITS & INSPECTIONS

COMPLY WITH ALL APPLICABLE CODES, RULES AND REGULATIONS. ALL MATERIALS, EQUIPMENT AND WORK MUST CONFORM TO THE INTERNATIONAL REQUIRED PERMITS AND LICENSES. WHEN REQUIRED BY CODE, ALL WORK MUST BE INSPECTED AND APPROVED BY LOCAL AUTHORITIES.

ALL DUCTWORK TO BE GALVANIZED LOCK FORMING SHEET METAL. SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS. CONSTRUCT ALL DUCTWORK AND FITTINGS TO PROVIDE MINIMUM RESISTANCE AND NOISE LEVELS. DUCTWORK SHALL BE FABRICATED AND INSTALLED BY SKILLED MECHANICS IN A WORKMANLIKE MANNER USING THE LATEST EDITION OF THE "SMACNA" MANUAL AS A GUIDELINE. SEAL ALL SUPPLY AIR DUCTWORK AND RETURN AIR PLATFORMS/PLENUMS AIRTIGHT WITH APPROVED DUCT SEALER. TURNING VANES SHALL BE INSTALLED IN ALL MITERED ELBOWS.

SHALL NOT EXCEED 8 FEET IN LENGTH. FLEXIBLE DUCT SHALL HAVE A MINIMUM R-8 INSULATION VALUE.

FLEXIBLE DUCT MAY BE USED FOR FINAL

DUCT SIZES ON DRAWINGS ARE "CLEAR INSIDE. INCREASE SHEET METAL SIZES ACCORDINGLY FOR LINED DUCTWORK. ADHESIVE AND INSULATING MATERIALS SHALL HAVE COMPOSITE FIRE AND SMOKE HAZARD RATINGS MAXIMUM 25 FOR FLAME SPREAD AND 50 FOR SMOKE DEVELOPED.

DUCTS IN FLOOR TRUSSES OR OTHER CONDITIONED LINED DUCTWORK - SEMI-RIGID GLASS FIBER

ADHESIVES SHALL BE WATERPROOF.

INSULATION, 1 1/2 PCF, 1 1/2" THICK, THERMAL CONDUCTIVITY AT 75°. MAXIMUM 0.17 BTU/IN./SQ. FT./DEG./HR. MINIMUM "R-VALUE" SHALL BE 6.0.

WRAPPED DUCTWORK - FIBER GLASS BLANKET WITH FRK VAPOR RETARDING FACING. 1 1/2 PCF, 2" THICK, WITH A MINIMUM INSTALLED "R-VALUE" OF 6.0. (ASSUMES 25% COMPRESSION)

<u>DUCTS IN CEILINGS OR OTHER UNCONDITIONED</u>

LINED DUCTWORK - SEMI-RIGID GLASS FIBER INSULATION, 1 1/2 PCF, 2" THICK, THERMAL CONDUCTIVITY AT 75°. MAXIMUM 0.13 BTU/IN./SQ. FT./DEG./HR. MINIMUM "R-VALUE" SHALL BE 8.0.

WRAPPED DUCTWORK - FIBER GLASS BLANKET WITH FRK VAPOR RETARDING FACING. 0.75 PCF, 3" THICK. WITH A MINIMUM INSTALLED "R-VALUE" OF 8.0. (ASSUMES 25% COMPRESSION)

ACCEPTABLE MANUFACTURERS

THE FOLLOWING IS A LIST OF MANUFACTURERS WHOSE EQUIPMENT AND HVAC MATERIALS ARE ACCEPTABLE, SUBJECT TO CONFORMANCE WITH CONTRACT DOCUMENTS. VERIFY THAT THE EQUIPMENT WILL MEET ALL CAPACITIES, SPACE ALLOCATIONS, AND THAT THE WEIGHTS WILL NOT EXCEED STRUCTURAL DESIGN LOADS.

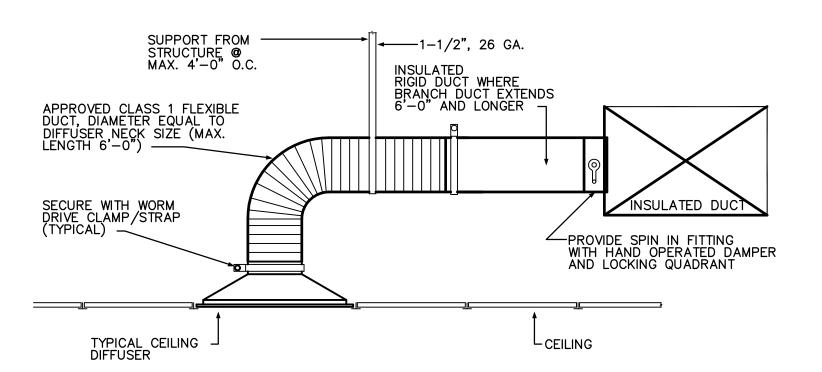
FLEXIBLE DUCT: GENFLEX, THERMAFLEX, OR EQUIVALENT. DUCT AND PIPE INSULATION: KNAUF, OWENS-CORNING, MANVILLE, CERTAIN-TEED, PPG.

AIR SYSTEM BALANCING

AIR SYSTEMS AND AIR DISTRIBUTION TEST AND BALANCE: THE CONTRACTOR SHALL INCLUDE IN HIS BID THE SERVICES OF AN INDEPENDENT AIR BALANCE AND TESTING AGENCY. THE AGENCY SHALL BE APPROVED BY THE OWNER AND ARCHITECT. THE TESTING AGENCY SHALL BE ONE WHICH SPECIALIZES IN THE BALANCING AND TESTING OF HEATING, VENTILATION AND AIR CONDITIONING SYSTEMS TO BALANCE, ADJUST AND TEST AIR MOVING EQUIPMENT AND AIR DISTRIBUTING OR EXHAUSTING SYSTEMS AS HEREIN SPECIFIED. ALL WORK SHALL BE DONE UNDER DIRECT SUPERVISION OF A REGISTERED PROFESSIONAL HEATING AND VENTILATING ENGINEER OR AABC OR NEBB CERTIFIED COMPANY. PROVIDE CERTIFIED REPORT.

(GRILLES/REGISTERS/DIFFUSERS SCHEDULE											
MARK	DESCRIPTION	MODULE SIZE	TYPE	OBD	FRAME	MATERIAL	FINISH	MANUF.	MODEL	REMARKS		
CD-1	SUPPLY DIFFUSER	24" × 24"	SQUARE CEILING	NO	T-BAR	STEEL	WHITE	TITUS	TMS	6"ø NECK		
CD-1	SUPPLY DIFFUSER	24" x 24"	SQUARE CEILING	NO	T-BAR	STEEL	WHITE	TITUS	TMS	8"ø NECK		
CD-1	SUPPLY DIFFUSER	24" × 24"	SQUARE CEILING	NO	T-BAR	STEEL	WHITE	TITUS	TMS	10"ø NECK		
TG-1	TRANSFER GRILLE	10" x 22"	SINGLE DFLT.	NO	SURFACE	STEEL	WHITE	TITUS	350RL	NECK PER PLAN		
RG-1	SIDEWALL FILTER RETURN GRILLE	24" x 12"	SINGLE DFLT.	NO	SURFACE	STEEL	WHITE	TITUS	350RLF	HINGED FILTER GRILLE		
NOTES:												

- NECK SIZE SHOWN ON PLANS AND CORRESPONDS TO DUCT
- MOUNTING HEIGHT OF GRILLES AND EXACT LOCATION OF ALL DIFFUSERS TO FIELD COORDINATED AND APPROVED BY OWNER.
- CONTRACTOR SHALL PROVIDE SQUARE TO ROUND ADAPTERS AS REQUIRED FOR INSTALLATION.
- 4. VERIFY MAKE, MODEL AND COLOR OF ALL DEVICES WITH





ASHRAE 62.1 OSA CALCULATION

954	81.1
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110	13.2
equired	94
	quired for 94 (

Outside Air for AC-2											
Space	Area	Occ Density	Rp	Pz	Ra	Az	Vbz				
Office	432	5	5	2.16	0.06	432	36.7				
Corridor	80	50	5	4	0.06	80	24.8				
				Total N	let OSA Re	equired	62				
				Ва	alance AC-	-2 for 62 Cl	FM				

Space	Area	Occ Density	Rp	Pz	Ra	Az	Vbz
Office	613	5	5	3.065	0.06	613	52.1
Break Room	101	25	5	2.525	0.06	101	18.7
Corridor	237	50	5	11.85	0.06	237	73.5
Reception	219	30	5	6.57	0.06	219	46.0
Storage	120	0	0	0	0.12	120	14.4
				Total N	et OSA Re	auired	205

Outside Air for AC-5							
Space	Area	Occ Density	Rp	Pz	Ra	Az	Vbz
Office	820	5	5	4.1	0.06	820	69.7
Conference	248	50	5	12.4	0.06	248	76.9
Corridor	177	50	5	8.85	0.06	177	54.9
Storage	95	0	0	0	0.12	95	11.4
				Total N	let OSA Re	equired	213
				_			

Balance AC-5 for 213 CFM

Balance AC-4 for 205 CFM

6.2.2.1 Breathing Zone Outdoor Airflow. The design outdoor airflow required in the breathing zone of the occupiable space or spaces in a zone, i.e., the breathing zone outdoor airflow (V_{bz}) , shall be determined in accordance with Equation 6-1.

> $V_{bz} = R_p \cdot P_z + R_a \cdot A_z$ (6-1)

 $A_z = zone floor area:$ the net occupiable floor area of the zone m2 (ft2)

 $P_z = zone population$: the largest number of people expected to occupy the zone during typical usage. If the number of people expected to occupy the zone fluctuates, P_{τ} may be estimated based on averaging approaches described in Section 6.2.6.2

> Note: If P₂ cannot be accurately predicted during design, it shall be an estimated value based on the zone floor area and the default occupant density listed in Table 6-1.

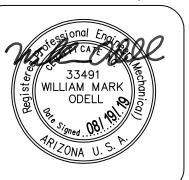
 R_n = outdoor airflow rate required per person as determined from Table 6-1

Note: These values are based on adapted occupants. R_a = outdoor airflow rate required per unit area as determined from Table 6-1

> Design Group, LLC Consulting Engineers

REVISIONS

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CHECKED BY July 3rd, 2019 JOB NO. **743**

ELECTRICAL SYMBOLS

NOTE: NOT ALL SYMBOLS ARE USED ON THIS PROJECT

FLUORESCENT FIXTURE, WITH FIXTURE DESIGNATED BY LETTER. SMALL LETTER INDICATES SWITCH LEG NIGHT LIGHT- NOT SWITCHED OR EMERGENCY

FLUORESCENT STRIP FIXTURE.

CEILING OR WALLMOUNTED FIXTURE.

PORCELAIN PULL CHAIN FIXTURE

JUNCTION BOX

JUNCTION BOX WITH FLEX CONNECTION.

SINGLE FACE EXIT SIGN- NOT SWITCHED

DOUBLE FACED EXIT SIGN- NOT SWITCHED. TWO HEAD EMERGENCY LIGHT WITH BATTERY.

SINGLE POLE SWITCH, + 48" A.F.F. (20A-120/277V)

THREE WAY SWITCH, + 48" A.F.F. (20A-120/277V)

4-WAY SWITCH +48" AFF (20A-120/277V)

SWITCH AND PILOT LIGHT (20A-120-/277V)

SINGLE POLE SWITCH, KEY OPERATED (20A)

WALL OR CEILING MOUNTED MOTION SENSOR MANUFACTURE BY LAVITON

DIMMER CONTROL, + 48" A.F.F. TYPE, RATING AS NOTED

DUPLEX RECEPTACLE, + 18" A.F.F. (20A)

DUPLEX RECEPTACLE ABOVE COUNTER, VERIFY HEIGHT. (20A)

FOURPLEX RECEPTACLE, + 18" A.F.F. (20A)

HALF SWITCHED DUPLEX RECEPTACLE (20A)

SPECIAL RECEPTACLE - SIZE & TYPE AS NOTED

POWER / PHONE / DATA FLUSH FLOOR OUTLET

TELEPHONE OUTLET PLASTER RING AT + 18" A.F.F. HUBBELL #P12 COVERPLATE. 3/4"C TO CEILING SPACE UNLESS SHOWN WITH HOMERUNS.

DATA SYSTEM OUTLET, 4" SQUARE BOX AND COVERPLATE, 3/4" C. TO CEILING SPACE UNLESS SHOWN WITH HOMERUN, + 18" A.F.F.

TELE/DATA COMBO OUTLET, 4" SQUARE BOX AND COVERPLATE, 3/4" C. TO CEILING SPACE UNLESS SHOWN WITH HOMERUN, + 18" A.F.F.

CABLE TELEVISION (CATV) OUTLET PLASTER RING AT + 18" A.F.F. U.N.O. HUBBELL COVERPLATE. 3/4"C TO CEILING SPACE UNLESS SHOWN WITH HOMERUNS.

TELPHONE SYSTEM CONDUIT HOMERUN

WITH NYLON PULLWIRE (1"C MIN UNO)

CLOSED CIRCUIT TV (CCTV)
OUTLET SAME AS CATV OUTLET

REMOTE CONTROL STATION @ +48" AFF

DISCONNECT SWITCH, FUSE PER EQUIPMENT MANUFACTURERS RECOMMENDATION. OUTSIDE NEMA 3R - N.F. = NON-FUSED.

COMBINATION STARTER AND FUSIBLE DISCONNECT SWITCH SIZE AS NOTED

EQUIPMENT TERMINATION CONNECTION POINT VERIFY EXACT LOCATION LOAD AND VOLTAGE AS NOTED

THERMAL PROTECTED SWITCH

MOTOR STARTER - SHADING INDICATES F.B.O.

DISTRIBUTION PANELBOARD.

BRANCH CIRCUIT PANELBOARD.

CONDUIT BELOW FLOOR OR UNDERGROUND

CONDUIT IN WALL OR ABOVE CEILING

HOMERUN TO PANEL

CONDUIT TURNING UP

CONDUIT TURNING DOWN

CONDUIT STUB-OUT, MARK AND CAP AS DIRECTED

GROUND WIRE (SIZE AS NOTED) EXTENDED AND CONNECTED TO APP'D GROUND

> ALL WIRING #6 AWG AND LARGER SHALL BE XHHW COPPER. #8 AWG AND SMALLER SHALL BE THHN/THWN COPPER

SPECIFICATIONS

- PRIOR TO SUBMITTING BID. SUBCONTRACTORS SHALL EXAMINE ALL GENERAL CONSTRUCTION DRAWINGS AND VISIT THE CONSTRUCTION SITE TO BECOME FAMILIAR WITH EXISTING CONDITIONS UNDER WHICH HE WILL HAVE TO OPERATE AND WHICH IN ANY WAY AFFECTS THE WORK UNDER HIS CONTRACT. NO SUBSEQUENT ALLOWANCE WILL BE MADE IN BEHALF OF THE CONTRACTOR FOR ANY ERROR OR NEGLIGENCE ON HIS PART.
- 2. THE SUBCONTRACTOR SHALL BE HELD FULLY RESPONSIBLE FOR THE PROPER RESTORATION OF ALL EXISTING SURFACES REQUIRING PATCHING, PLASTERING, PAINTING AND /OR OTHER REPAIR DUE TO THE INSTALLATION OF ELECTRICAL WORK UNDER THE TERMS OF THE CONTRACT. CLOSE ALL OPENINGS, REPAIR ALL SURFACES, ETC., AS REQUIRED.
- 3. SEE ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS, ELEVATIONS AND BUILDING DETAILS. VERIFY LOCATION OF ALL OUTLETS, SWITCHES, AND WALL MOUNTED LIGHTING FIXTURES WITH ARCHITECTURAL DRAWINGS AND ACTUAL CONDITIONS. VERIFY ALL CEILING TYPES WITH ARCHITECTURAL DRAWINGS BEFORE ORDERING FIXTURES.
- 4. PRIOR TO ROUGH-IN AND FINAL CONNECTION, VERIFY ELECTRICAL CHARACTERISTICS AND EXACT LOCATION OF EQUIPMENT.
- GROUT AND SEAL ALL CONDUIT PENETRATIONS OF WALLS AND FLOOR SLABS TO PRESERVE FIRE RATING AND WATERTIGHT INTEGRITY.
- BRANCH CIRCUIT WIRING SHALL BE THHN/THWN INSULATION. PANEL FEEDERS SHALL BE TYPE XHHW. ALL WIRE SHALL BE COPPER. MINIMUM WIRE SIZE SHALL BE #12.
- 7. ALL WRING TO BE INSTALLED IN RACEWAYS. TYPE OF RACEWAY SHALL BE AS REQUIRED BY CODE. MINIMUM CONDUIT SIZE SHALL BE 1/2".
- 8. PROVIDE CODE SIZED BOND WIRE IN ALL EMT, FLEXIBLE CONDUIT
- 9. ALL ELECTRICAL EQUIPMENT SHALL BE NEW, U.L. APPROVED AND COMMERCIAL
- 10. WRE RATED FOR 150° CENTIGRADE SHALL BE USED FOR ALL INCANDESCENT LIGHTING FIXTURES.
- 11. ALL ELECTRICAL WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST NATIONAL CODE, (N.E.C.), AND ALL APPLICABLE FEDERAL, STATE AND LOCAL
- 12. PROVIDE TYPEWRITTEN DESCRIPTIVE PANEL DIRECTORIES

FIRE WALL/FLOOR PENETRATION

ALL PENETRATIONS OF FIRE RESISTIVE FLOORS OR SHAFT WALLS SHALL BE PROTECTED BY MATERIALS AND INSTALL-ATION DETAIL THAT CONFORM TO UNDERWRITERS LABOR-ATORY'S LISTINGS FOR THROUGH PENETRATION FIRESTOP SYSTEMS. THE CONTRACTOR SHALL SUBMIT SHOP DRAWING DETAILS WHICH SHOW COMPLETE CONFORMANCE WITH THE LISTING TO THE ARCHITECT AND SUCH DRAWINGS SHALL BE AVAILABLE TO THE LOCAL GOVERNING INSPECTORS. THE DRAWINGS SHALL BE SPECIFIC FOR EACH PENETRATION WITH ALL VARIABLES DEFINED.

OUTLET MOUNTING HEIGHTS PER AMERICAN DISABILITY ACT RECEPTACLES +18" (MIN.) TELEPHONE/DATA +18" (MIN.)

SIDE REACH

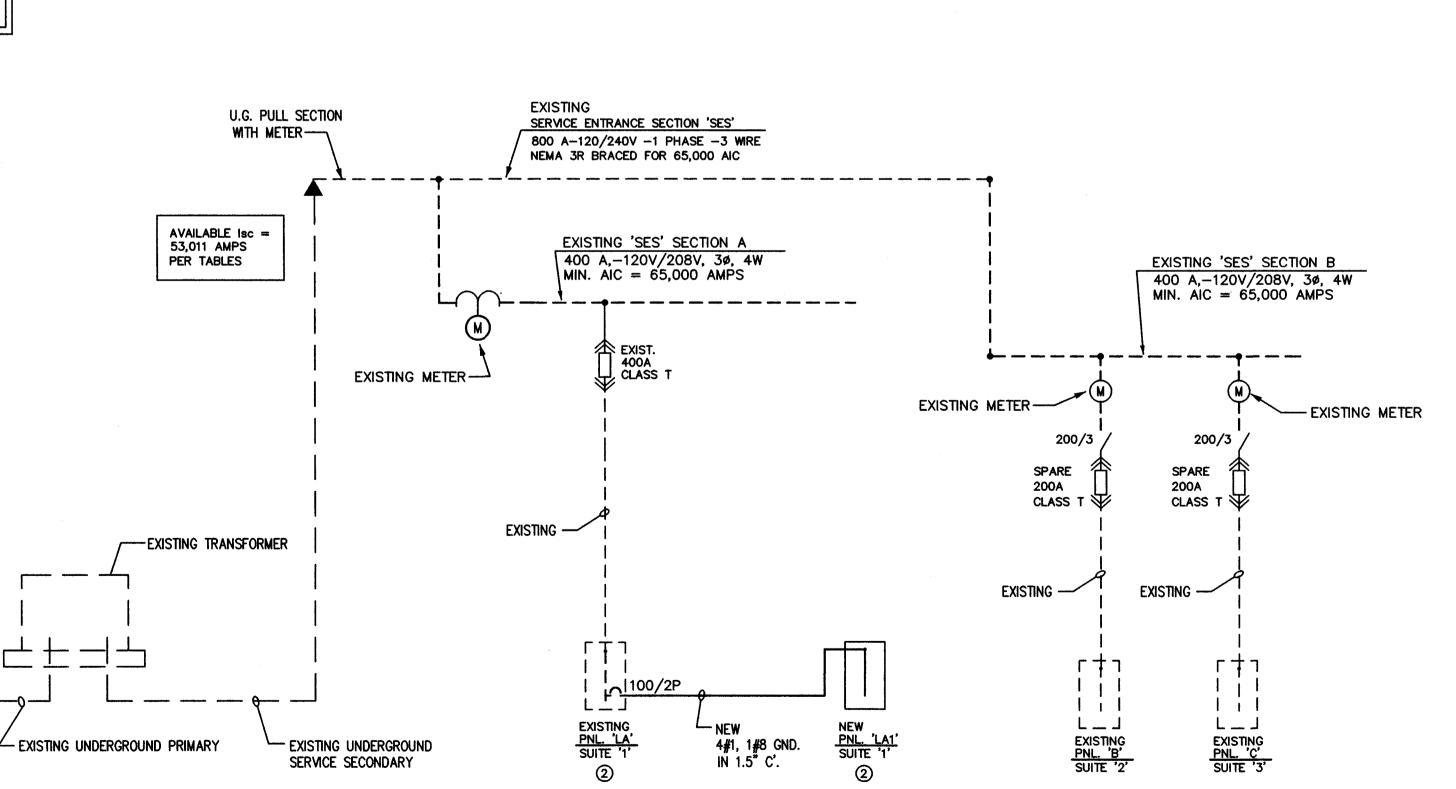
+54" (MAX)

GENERAL ELECTRICAL DEMOLITION NOTES

- RETURN REMOVED MATERIAL DEEMED SALVAGEABLE TO OWNER'S REPRESENTATIVE. MATERIALS DEEMED NOT SALVAGEABLE SHALL BE REMOVED FROM THE PREMISES.
- THE CONTRACTOR WILL EXAMINE THE PREMISES AND SATISFIED HIMSELF AS TO EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGED TO PERFORM HIS WORK. THE DRAWINGS ARE GENERALLY DIAGRAMMATIC AND THE CONTRACTOR SHALL FIELD VERIFY ALL DETAILS OF DEMOLITION.
- REMOVE ALL EXISTING WIRING DEVICES, LIGHT FIXTURES, WIRE, CONDUIT, DISCONNECTS, ETC., AS NOTED OR INDICATED WITHIN DEMOLITION AREA. (ALL ITEMS MAY NOT BE SHOWN.) REWORK AS NECESSARY ALL CIRCUITING WHICH REQUIRES CONTINUATION THROUGH THE AREA.
- ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK REQUIRED TO REMOVE/RELOCATE ANY EXISTING ELECTRICAL EQUIPMENT SUCH THAT ELECTRIC SHOCK HAZARDS TO WORKMEN ARE ELIMINATED DURING DEMOLITION AND NEW CONSTRUCTION.
- 5. REMOVED OR DAMAGED CONDUIT, WIRE AND FITTINGS SHALL NOT BE RE-USED
- WORK REQUIRED FOR EXISTING EQUIPMENT NOTED AS "EXISTING TO BE REMOVED"
 - A. SALVAGING OR DISPOSING OF ALL MATERIAL OR EQUIPMENT AS DIRECTED BY OWNER OR OWER'S REPRESENTATIVE.
 - B. REMOVAL OF FEEDER OR CABLING FROM EQUIPMENT TO POINT OF FEED.
 - C. REMOVAL OR RECIRCUITING (AS REQUIRED OR AS NOTED ON PANELS) OF ALL BRANCH CIRCUITING.
 - D. REMOVAL OF ALL FITTINGS, SUPPORTS, BRACKETS, ETC. E. REPAIR AND PATCHING OF WALLS, FLOORS AND CEILINGS TO MATCH EXISTING
 - OR PER ARCHITECT'S INSTRUCTIONS. F. CAPPING OF IN-SLAB FEEDER CONDUITS FLUSH WITH THE FINISHED FLOOR.
 - G. CAPPING OF FEEDER CIRCUITS AT 6" ABOVE OR BELOW THE FLOOR OR CEILING FOR IN-SLAB CONDUITS LOCATED UP NEXT TO A WALL OR FOR CEILING AREA
 - H. THE OPPOSITE END LOCATION OF ALL EMPTY FEEDER CONDUITS AT SWITCHBOARDS, PANELBOARDS, ETC., SHALL BE MARKED USING AN ENGRAVED BRASS TAG ATTACHED TO THE CONDUIT.
 - EXISTING FEEDER CONDUITS SHALL BE REMOVED OR CUT OFF AND ABANDONED IF FOUND TO BE UNSALVAGEABLE BY THE OWNER, ARCHITECT OR ENGINEER.
- EXISTING EQUIPMENT NOT IMPICITLY SHOWN ON THE DRAWINGS IS INTENDED TO BE "EXISTING TO REMAIN, " UNLESS NOTED OTHERWISE.

ELECTRICAL DESIGN & CADD SERVICES INC. 1600 LAMB LANE PRESCOTT, AZ. 86305 PH. (928) 776-4900 FAX (928) 776-7800 E-MAIL: EES@CABLEONE.NET

PA	NELBOARD				LA					SC	HEDULE	
MAINS:	400A MLO						LOCATION: SEE PLAN MOUNTING: FLUSH					
VOLTAGE: TYPE:	120/240V, 1ø, 3W GE (EXISTING)			LOAD)—VA		MIN. A.I.C.: EXISTING		***************************************	 		
	RCUIT DESCRIPTION	T 21/2	CIR. NO.	ØA	Øв	CIR. NO.	ВК		ENIS		CUIT DESCRIPTION	
	ACON DESCRIPTION	8KR.	NO.	<u> </u>	W ^B	NO.	20				COIT DESCRIPTION	
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			31		F000		100		NEW	V SUB-PAI	NEL 'LA1'	EXISTING AC-1 TO BE RE-FED FROM
		+-+	33		5900	32	/	\dashv				EXISTING PANEL 'LB' AND REPLACE
				6420		34		2				BREAKER TO FEED NEW PANEL 'LA1'
			35				60		EXIS	STING A/C	UNIT AC-2	
		++	37			36	/	- 				
						38	/	2				
			39	•		<u> </u>	60	Λ	EXIS	STING A/C	UNIT AC-3	
		+	41	· · · · · · · · · · · · · · · · · · ·		40	/	\dashv				
	↓					42	1	2				
TOTAL L	OAD PER PHASE: EXISTING ESTI	MATED L	LOAD:	30000	30000	HIS	3	3000	0 /	120V =	250.0 AMPS	
	NEW ADDED L	.OAD:		6420	5900	HIØ	6	3420	/ 1:	20V -	53.5 AMPS	
	TOTAL LOAD:		,	36420	35900	HIØ	3	642	0 /	120V =	303.5 AMPS	



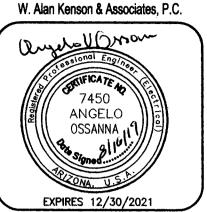
ALL EQUIPMENT & WIRING SHOWN DASHED IS EXISTING. PROVIDE UNDER PREVIOUS CONTRACT.

EXISTING ELEC. ONE LINE DIAGRAM

N.T.S.

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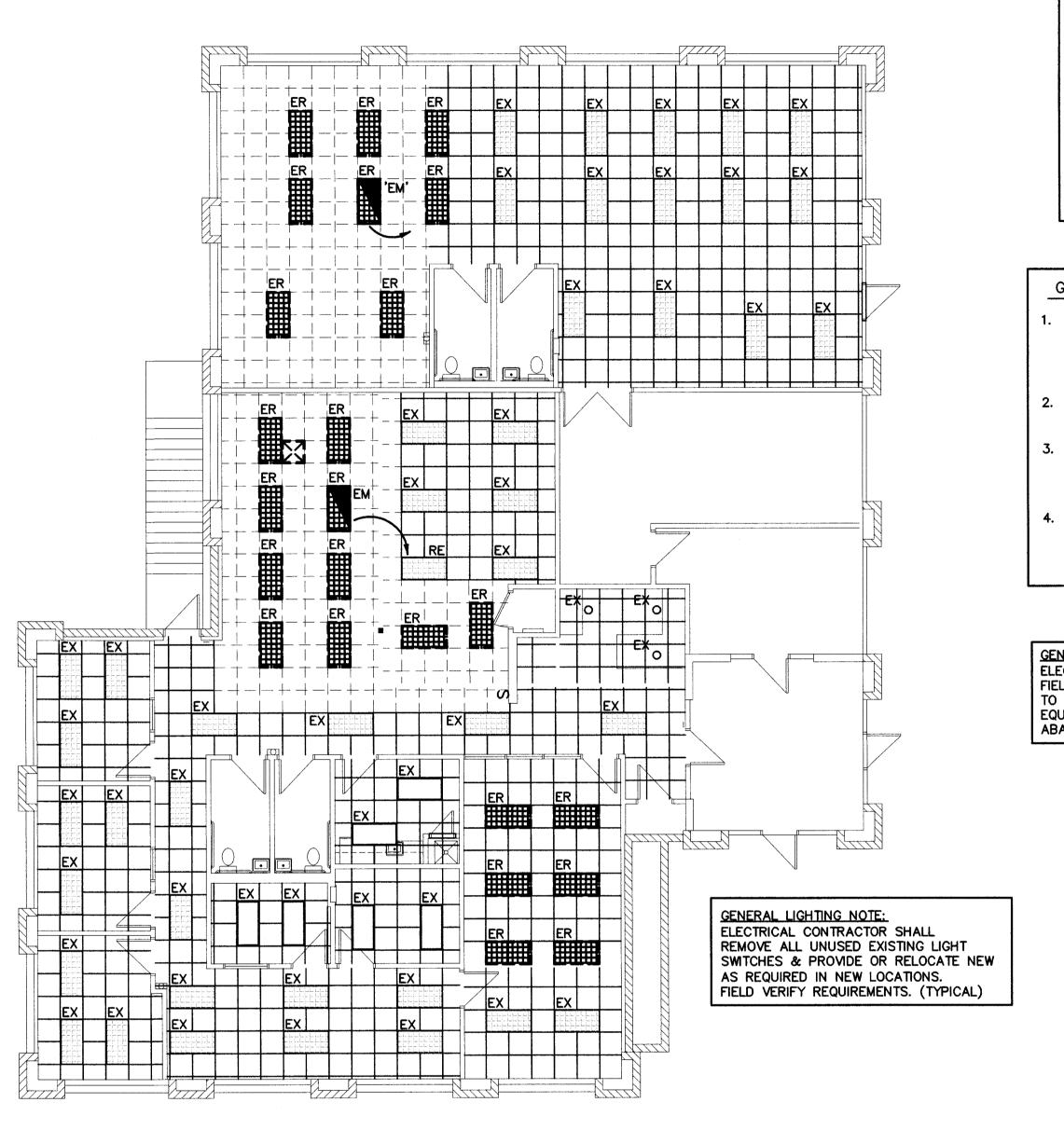


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CHECKED BY July 3rd, 2019



Demolition Lighting Plan

ABBREVIATIONS

EX EXISTING LIGHT OR DEVICE TO REMAIN

RE EXISTING LIGHT OR DEVICE TO BE REPLACED OR RELOCATED EXTEND CIRCUITING AS REQUIRED IF NOT SHOWN.

ER REPLACED OR RELOCATED LIGHT OR DEVICE

RM REMOVED LIGHT OR DEVICE

A.F.F. ABOVE FINISHED FLOOR (C OF OUTLET)

A.F.G. ABOVE FINISHED GRADE (& OF OUTLET)

E.C. EMPTY CONDUIT

UNO UNLESS OTHERWISE NOTED

FBO FURNISHED BY OTHERS

NL NIGHT LIGHT

TYP TYPICAL

GENERAL LIGHTING NOTES:

IF ELECTRICAL CONTRACTOR IS NOT CERTAIN OF MOUNTING HIEGHT OR LOCATION OF ANY LIGHTING FIXTURES OR SWITCHES HE IS TO VERIFY ITEMS WITH ELCTRICAL ENG., ARCHITECT OR OWNER PRIOR TO ROUGH—IN.

. NIGHT LIGHTS (NL), EMERGENCY & EXIT LIGHT FIXTURES SHALL BE CONNECTED TO UNSWITCHED LEG OF CIRCUIT.

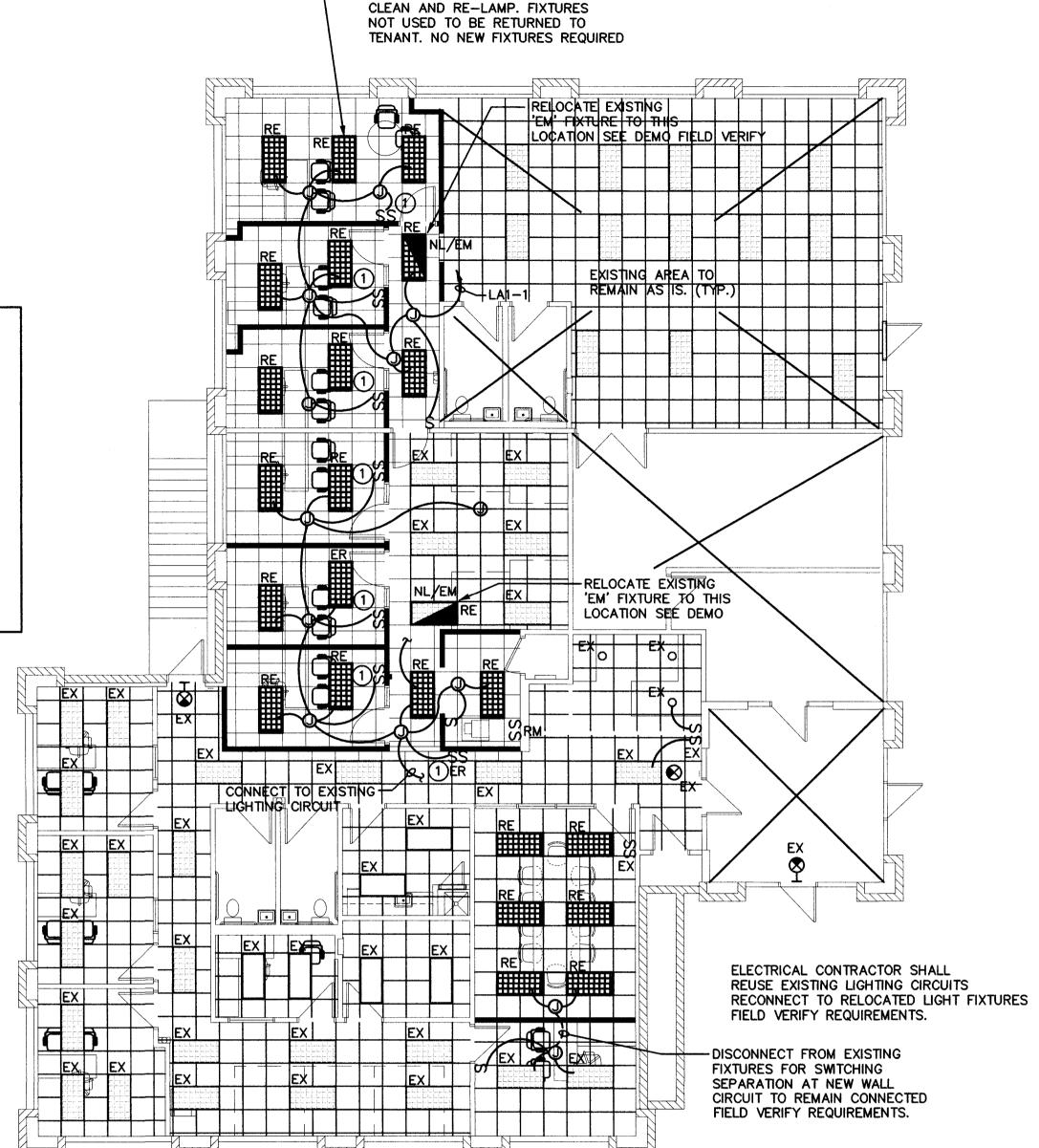
. MC CABLE SHALL BE ALLOWED PER APPROVAL BY THE CITY PLAN CHECKER & INSPECTORS ROMAX IS NOT ALLOWED.

4. EXTERIOR LIGHTING IS EXISTING AND SHALL REMAIN AS IS. NO ADDITIONAL LIGHTING IS REQUIRED UNDER THIS PERMIT.

GENERAL NOTE:
ELECTRICAL CONTRACTOR SHALL
FIELD VERIFY SITE PRIOR TO BID
TO CONFIRM ALL EXISTING ELECTRICAL
EQUIPMENT TO BE REMOVED AND
ABANDONED.

KEY NOTE:

(1) ELECTRICAL CONTRACTOR TO PROVIDE & INSTALL DUEL LIGHT SWITCHES FOR TWO LEVEL LIGHTING INSIDE & OUTSIDE LAMPS TO BE CONTROLLED SEPARATELY. (TYP.)



- ELECTRICAL CONTRACTOR SHALL

RE-USE EXISTING LIGHT FIXTURES

Lighting Floor Plan

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

W. Alan Kenson & A

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W. Alan Kenson & Associates, P.C.

ANGELO

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EXPIRES 12/30/2021

BEGINDE

augh V. Ornam

ELECTRICAL DESIGN & CADD SERVICES INC.
1600 LAMB LANE

PRESCOTT, AZ. 86305
PH. (928) 776-4900
FAX (928) 776-7800

E-MAIL: EES@CABLEONE.NET

nmolition and Proposed Lighting Floor F wn & Brown Tl

CT: Brown & Bro 255 E. Sheld Prescott, AZ

PROJECT:

DRAWING:

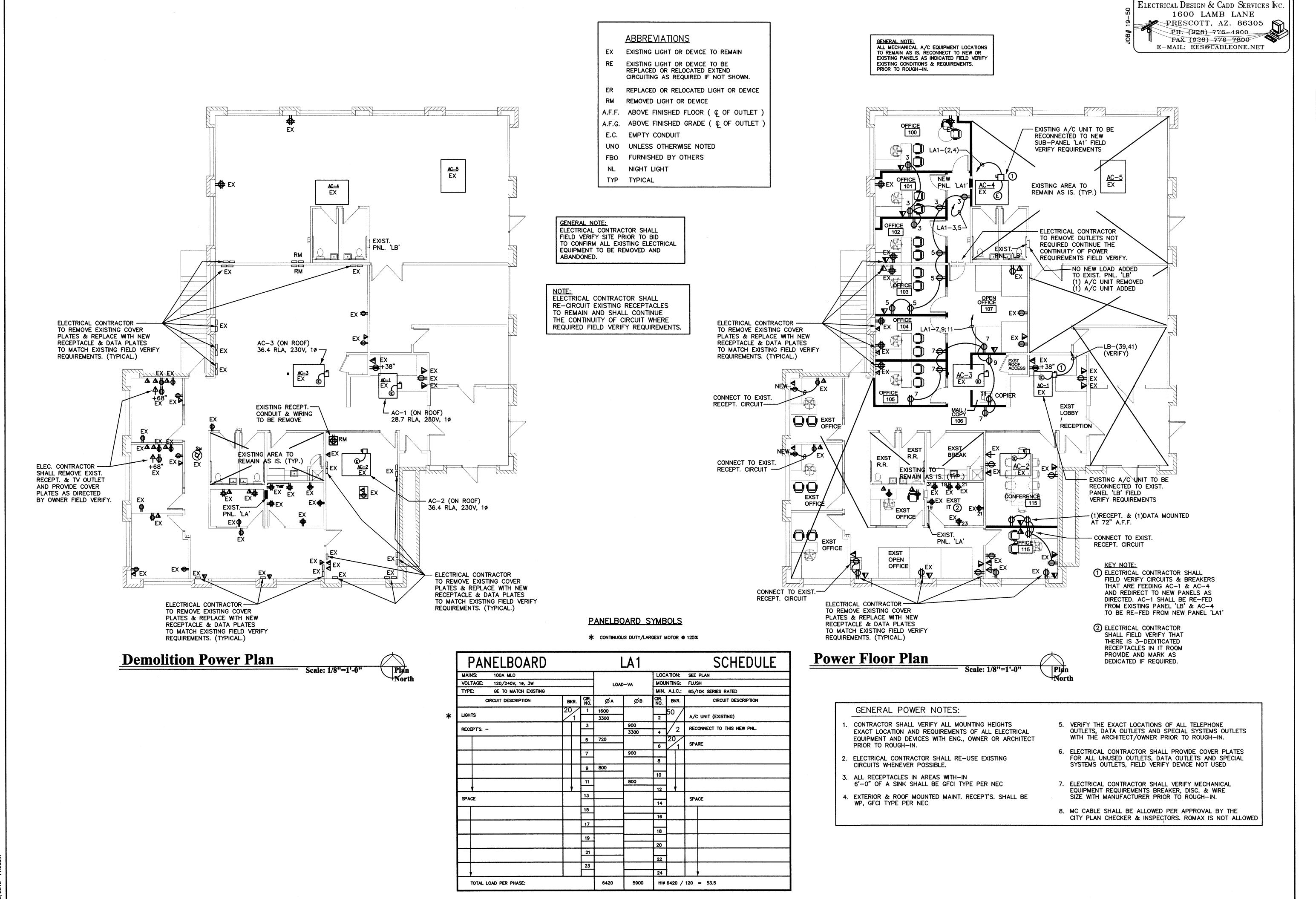
DRAWN BY

July 3rd, 2019

JOB NO.
743

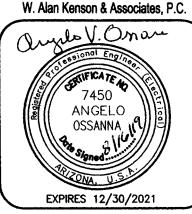
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Scale: 1/8"=1'-0" | Plan



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PROJECT

DR

CHECKED BY July 3rd, 2019

SHEET