

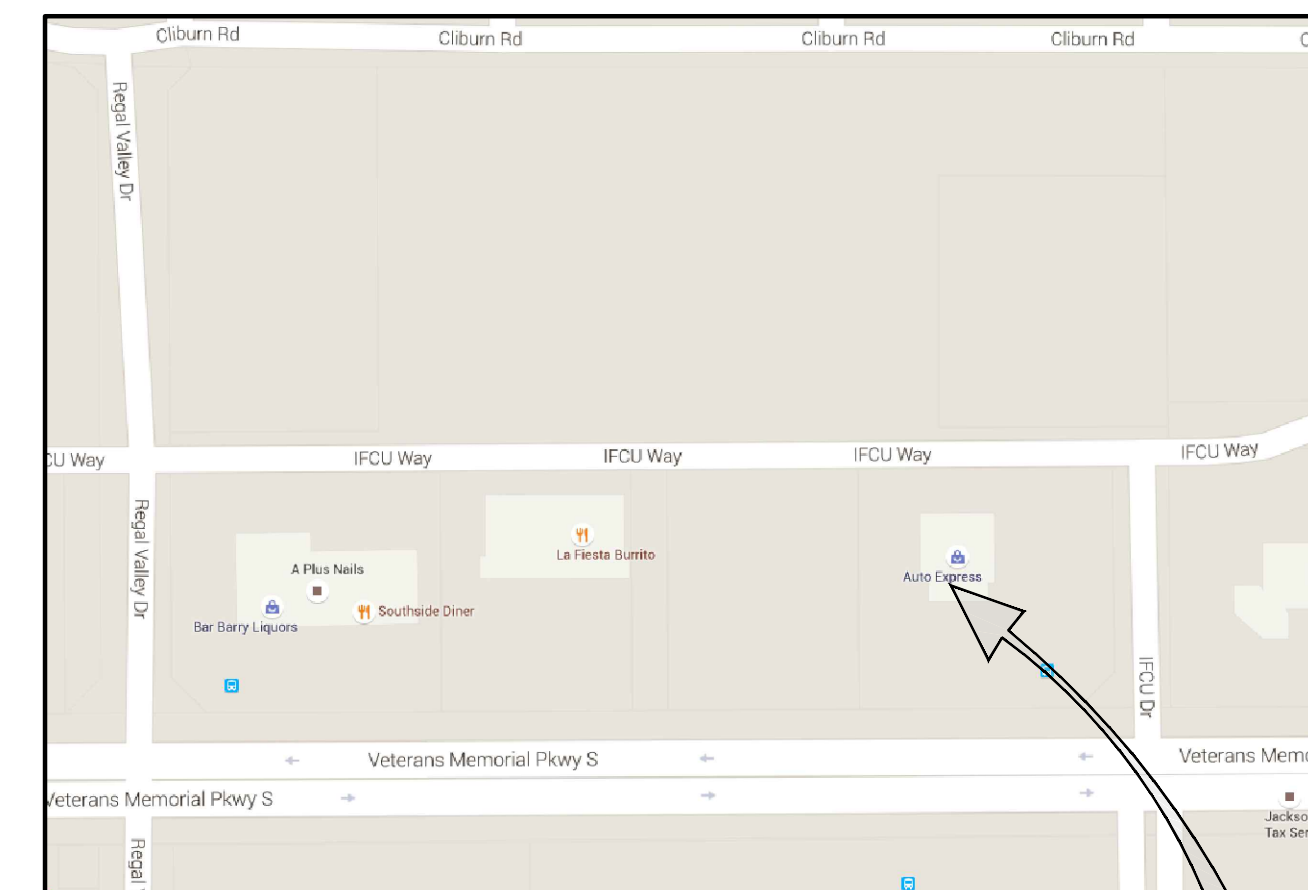
AUTO EXPRESS

SALES OFFICE REMODEL

2306 VETERANS MEMORIAL PARKWAY SOUTH
LAFAYETTE, IN 47909

Owner:
NATHAN BUCHE
AUTO EXPRESS
2306 VETERANS MEMORIAL PKWY S
LAFAYETTE, IN 47909

Architect & Engineer:

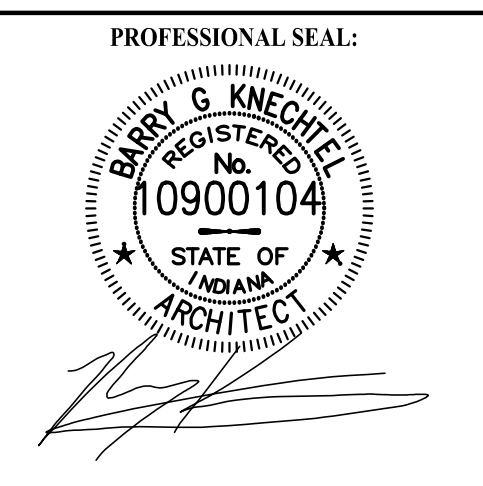


SHEET INDEX	
SHEET	TITLE
TITLE	SHEET INDEX & VICINITY MAP
ARCHITECTURAL	
A104	LIFE SAFETY AND CODE COMPLIANCE PLAN
A105	DEMOLITION PLAN
A106	FLOOR PLAN AND WALL TYPES
A110	REFLECTED CEILING PLAN
A200	EXTERIOR ELEVATIONS
A300	CANOPY SECTIONS
A301	BUILDING SECTIONS
A600	DOOR & WINDOW & ROOM FINISH SCHEDULES
STRUCTURAL	
S100	CANOPY STRUCTURAL PLAN AND DETAILS
MECHANICAL	
M001	MECHANICAL ABBREVIATIONS
M101	MECHANICAL FLOOR PLAN
M601	MECHANICAL DETAILS AND SCHEDULES
ELECTRICAL	
E001	ELECTRICAL NOTES AND LEGENDS
E101	ELECTRICAL LIGHTING FLOOR PLAN
E102	ELECTRICAL POWER FLOOR PLAN



PROJECT TITLE:
AUTO EXPRESS SALES OFFICE
2306 VETERANS MEMORIAL PARKWAY SOUTH
LAFAYETTE, IN 47909

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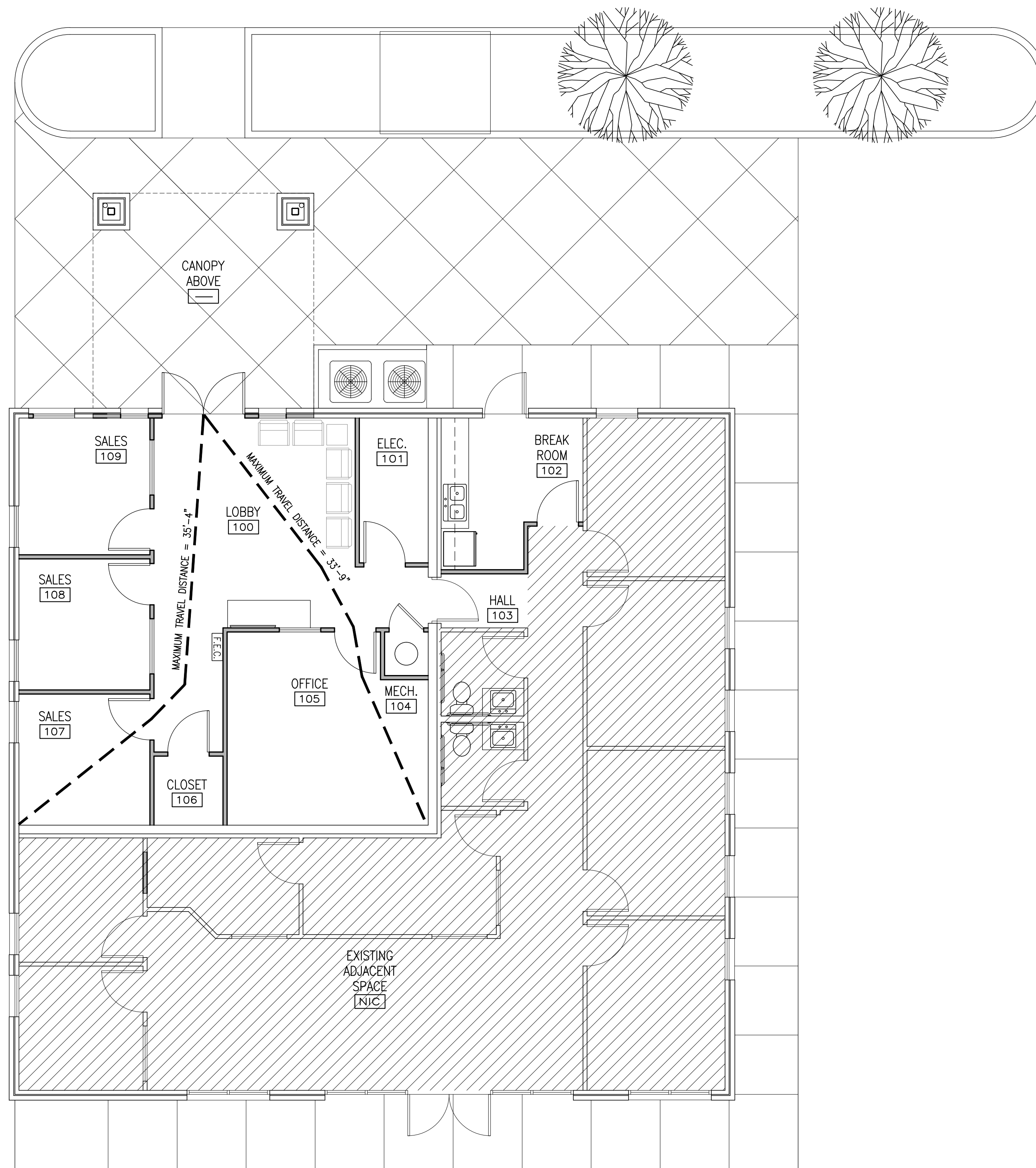
PROJECT DATE:
09/16/2016

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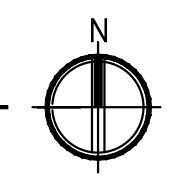
PROJECT NUMBER:
A2016.077

DRAWING TITLE:
TITLE SHEET

SHEET NUMBER:
TITLE



1 LIFE SAFETY PLAN
A104 SCALE: 3/16"=1'-0"



CODES:
2012 INTERNATIONAL BUILDING CODE W/ 2014 INDIANA AMENDMENTS
2010 INDIANA ENERGY CONSERVATION CODE (ASHRAE 90.1-2007)
2008 INTERNATIONAL PLUMBING CODE W/ 2012 INDIANA AMENDMENTS
2008 NATIONAL ELECTRIC CODE W/ 2009 INDIANA AMENDMENTS
2012 INTERNATIONAL MECHANICAL CODE W/ 2014 INDIANA AMENDMENTS
2012 INTERNATIONAL FIRE CODE W/ 2014 INDIANA AMENDMENTS

PROJECT NAME AND LOCATION:
A REMODEL FOR:
AUTO EXPRESS SALES OFFICE
2306 VETERANS MEMORIAL PARKWAY SOUTH
LAFAYETTE, INDIANA
TIPPECANOE COUNTY

PROJECT SCOPE: THIS PROJECT SHALL INCLUDE THE CONSTRUCTION OF REMODELING FOR NEW OFFICE SPACES IN THE EXISTING BUILDING, WHICH SHALL BE USED FOR SALES OFFICES AND NEW LOBBY AREA.

REMODELING WORK TO CONSIST OF INTERIOR FINISHES, WALLS, AS WELL AS ANY ELECTRICAL, MECHANICAL AND PLUMBING AS REQUIRED.

OCCUPANCY CLASSIFICATION AND CONSTRUCTION TYPE:
OCCUPANCY GROUP B: PROFESSIONAL SERVICES [SECTION 304.1]

INCIDENTAL USE AREAS:
STORAGE AND MECHANICAL AREAS PER [SECTION 508.2 AND TABLE 508.2]

ACCESSORY USE AREAS:
RESTROOMS AND JANITORIAL AREAS PER [SECTION 508.3.1]

INCIDENTAL STOCK/STORAGE AREAS AS OUTLINED ABOVE ARE NOT REQUIRED TO BE SEPARATED FROM OTHER AREAS WHEN LESS THAN 100 S.F. IN AREA PER TABLE 508.3.1.3.

BUILDING AREA:
TOTAL BUILDING AREA: 2,493 SQ. FT.
INTERIOR BUILD-OUT: 1,014 SQ. FT.

BASIC ALLOWABLE AREA FOR GROUP B = 19,000 SQ FT
AREA INCREASE (FRONTAGE) OF 14,250 S.F. ALLOWED PER SECTION 506.
TOTAL AREA ALLOWED = 33,250 S.F.

GROUP B: 2,493 S.F. / 33,250 S.F. = .074

CONSTRUCTION TYPE:
TYPE V-B PERMITTED BASED UPON THE PROVISIONS FOR GROUP B OCCUPANCIES. [SECTIONS TABLE 503 AND SECTION 602.3]

FIRE BARRIERS:
OCCUPANCY SEPARATION WALLS NOT REQUIRED PER PER TABLE 508.3.3.

EXTERIOR WALLS & OPENINGS:
FOR THE PURPOSE OF DETERMINING EXTERIOR WALL AND OPENINGS REQUIREMENTS, BUILDINGS ON THE SAME PROPERTY ARE REQUIRED TO HAVE AN ASSUMED PROPERTY LINE BETWEEN THEM. SUCH PROPERTY LINES MAY NOT BE ASSUMED AT A POINT AT WHICH THE EXISTING BUILDING WILL BE PUT INTO NON-COMPLIANCE. [SECTION 704.3]

BUILDING ELEMENTS: FIRE-RESISTIVE ELEMENTS:
INTERIOR BUILD-OUT ELEMENTS ARE PERMITTED TO BE NON-RATED. [TABLE 601]

CORRIDORS:
THERE ARE NO CORRIDORS AS DEFINED IN SECTION 1002.

EXITING:
MAXIMUM TRAVEL DISTANCE SHALL NOT EXCEED 200' PER TABLE 1016.1.

THE LENGTH OF A COMMON PATH OF TRAVEL SHALL NOT EXCEED 75' PER SECTION 1014.3.

ONE EXIT (1) IS REQUIRED PER TABLE 1019.2.

EGRESS DOORS MAY HAVE A KEY-OPERATED LOCKING DEVICE PROVIDED IT IS DISTINGUISHABLE AS LOCKED AND A VISIBLE SIGN IS POSTED ON OR ADJACENT TO THE DOOR THAT READS "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED" PER SECTION 1008.1.8.3, EXCEPTION 2.

SPRINKLER APPLICATION:
A FIRE SPRINKLER SYSTEM IS NOT REQUIRED THROUGHOUT GROUP B OR M OCCUPANCIES HAVING A FIRE AREA LESS THAN 12,000 S.F. PER SECTION 903.2.6.

BUILDING ELEMENTS: FIRE-RESISTIVE ELEMENTS:
ALL INTERIOR WALLS, FLOORS, AND STRUCTURAL ELEMENTS SHALL BE UNRATED THROUGHOUT UNLESS NOTED OTHERWISE. [TABLE 601]

FIRE ALARM SYSTEM:
MANUAL FIRE ALARM SYSTEMS ARE NOT REQUIRED IN 'B' OCCUPANCIES PER SECTION 907.2.2 WHEN SERVING AN OCCUPANT LOAD LESS THAN 500.

SMOKE DETECTORS:
SMOKE DETECTORS ARE REQUIRED NOT FOR AUTOMATIC HVAC SHUTDOWN FOR SYSTEMS DELIVERING LESS THAN 2,000 CFM. [606.1, IMC]

PORTABLE FIRE EXTINGUISHERS:
PORTABLE FIRE EXTINGUISHERS ARE REQUIRED EVERY 75' PER INTERNATIONAL FIRE CODE SECTION 906 & TABLE 906.1.

PLUMBING FIXTURES:
CHAPTER 29, SECTION 2903, EXCEPTION 2, (BC) REQUIRES SEPARATE RESTROOM FACILITIES TO BE PROVIDED FOR EACH SEX (E: MALE AND FEMALE) IN THE AMOUNT AS INDICATED PER TABLE 29. (BC). THESE NUMBERS MAY BE BASED UPON THE ACTUAL OR ANTICIPATED NUMBER OF OCCUPANTS OR AS CALCULATED BY THE OCCUPANT LOAD FACTOR IN TABLE 1003.2.2.2, PER SECTION 2902. (NOTE: WE SUGGEST UTILIZING ACTUAL OR ANTICIPATED OCCUPANT LOADS FOR THESE CALCULATIONS). THESE FACILITIES ARE REQUIRED TO BE WITHIN 500' AND ACCESSIBLE TO PEOPLE WITH DIMINISHED PHYSICAL CAPABILITIES. SUCH FACILITIES ARE REQUIRED TO BE DIVIDED EQUALLY BETWEEN THE SEXES PER SECTION 2904.

DRINKING FOUNTAINS ARE NOT REQUIRED WHEN BOTTLE WATER SERVICE IS PROVIDED PER SECTION 2909, EXCEPTION 1.

FIXTURES HAVE BEEN CALCULATED PER THE FOLLOWING TABLE:

OCCUPANCY:	WATER CLOSETS:	LAVATORIES:	BATHTUBS/SHOWERS:	DRINKING FOUNTAINS:	SERVICE SINK:
B (OFFICE)	1 PER 25	1 PER 40	0	1 PER 100	1
REQUIRED	1	1	0	1	1

LEGEND
F.E.C. FIRE EXTINGUISHER CABINET (SEMI-RECESSED WITH 10LB. A-B-C RATED EXTINGUISHER)

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AUTO EXPRESS SALES OFFICE
2306 VETERANS MEMORIAL PARKWAY SOUTH
LAFAYETTE, IN 47909

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PROFESSIONAL SEAL:

PROJECT DATE:
09/16/2016

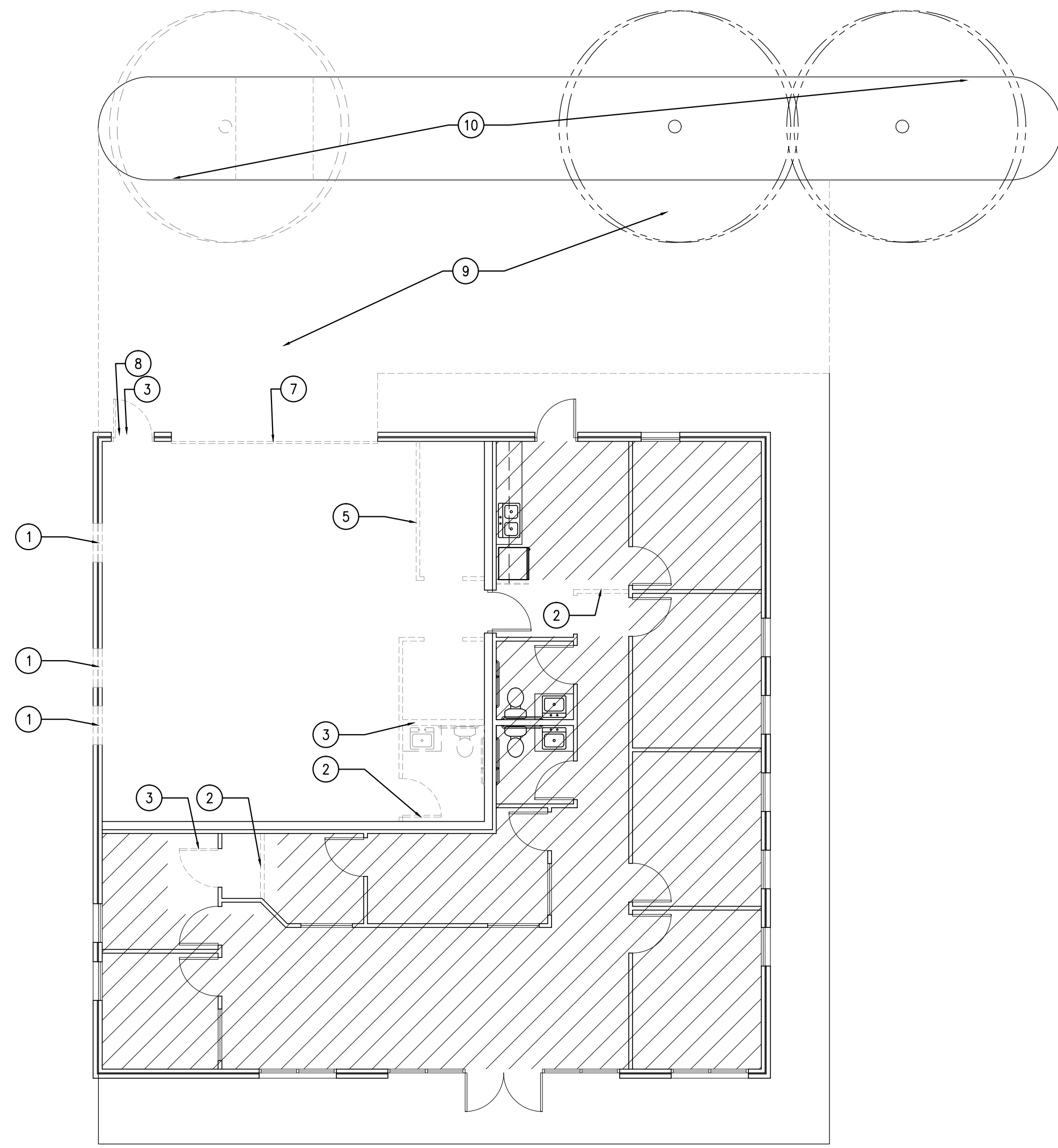
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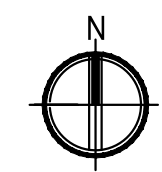
DRAWING TITLE:
CODE COMPLIANCE & BUILDING DATE

SHEET NUMBER:

A104



1
A105
DEMOLITION FLOOR PLAN
SCALE: 1/8"=1'-0"



DEMOLITION GENERAL NOTES:

1. DEMOLITION WORK SHOWN ON THESE DRAWINGS IS SCHEMATIC IN NATURE. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING ALL NECESSARY DEMOLITION OPERATIONS REQUIRED TO EFFECT ALL NEW CONSTRUCTION AND RENOVATION WORK AS SHOWN AND INDICATED ON THESE DRAWINGS.
2. ALL CONTRACTORS SHALL TOUR AND THOROUGHLY INSPECT WORK AREAS IN ORDER TO FAMILIARIZE THEMSELVES WITH ALL ITEMS TO BE REMOVED OR RELOCATED, SUCH AS ELECTRICAL, OUTLETS, GAS SERVICES, LIGHT SWITCHES, THERMOSTATS, FURNACES, DUCTWORK, PLUMBING, PLUMBING FIXTURES, VALVES, SURFACE-RUN CONDUIT, ETC., WHETHER INDICATED OR NOT ON THE PLANS. NO ADDITIONAL COMPENSATION WILL BE APPROVED FOR REMOVING OR RELOCATING ITEMS THAT ARE VISIBLE AND OBVIOUS. ADDITIONAL COMPENSATION WILL BE ALLOWED ONLY FOR UNFORSEEN OR CONCEALED ITEMS THAT WOULD NOT BE ASSUMED OR FOUND UNTIL AFTER DEMOLITION WORK HAS BEGUN.
3. EXCEPT AS NOTED OTHERWISE, WALLS SHOWN TO BE REMOVED SHALL BE REMOVED ENTIRELY, AND ALL UTILITIES RE-ROUTED OR PROPERLY AND PERMANENTLY TERMINATED. ALL FLOORS, ADJACENT WALLS, ETC. SHALL BE PATCHED AFTER REMOVAL TO MATCH NEW SURROUNDING CONDITIONS.
4. ALL ITEMS TO BE REMOVED DURING DEMOLITION SHALL BE RETURNED TO THE OWNER OR STORED FOR RE-USE AS NOTED OR AS REQUESTED BY THE OWNER. THIS GENERALLY INCLUDES, BUT IS NOT LIMITED TO, LIGHT FIXTURES, BUILT-IN FURNITURE OR CABINETRY, BOOKSHELVES, DOORS AND PLUMBING FIXTURES. ALL OTHER ITEMS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AS APPROVED BY THE OWNER. THE OWNER RESERVES THE RIGHT TO SALVAGE ITEMS WITH HIS OWN LABOR AND EQUIPMENT.
5. ALL MATERIALS NOT SALVAGED AS DIRECTED BY THE OWNER SHALL BE REMOVED FROM THE JOBSITE BY THE CONTRACTOR AND SHALL BE DISPOSED OF IN A SAFE AND PROPER DISPOSAL SITE AT CONTRACTOR'S EXPENSE.
6. ANY AND ALL STRUCTURAL MEMBERS TO BE REMOVED SHALL NOT BE WRECKED UNTIL PROPER TEMPORARY OR PERMANENT SHORING IS PROPERLY INSTALLED AND BRACED TO SUPPORT ALL SUPERIMPOSED LOADS (LIVE LOADS AND DEAD LOADS).
7. ALL STRUCTURAL ITEMS NOTED TO BE REMOVED OR REQUIRED TO BE REMOVED TO ACHIEVE THE DESIRED NEW CONSTRUCTION SHALL BE REVIEWED BY THE ARCHITECT PRIOR TO REMOVAL.
8. ALL DEMOLITION WORK SHALL BE PERFORMED ACCORDING TO ACCEPTED INDUSTRY STANDARDS, WITH PROPER TOOLS AND TECHNIQUES AS REQUIRED TO CAUSE MINIMAL DAMAGE TO ADJACENT CONSTRUCTION THAT IS TO REMAIN. ALL DEMOLISHED AREAS OF THE PROJECT SHALL BE PROPERLY BARRICADED TO PROTECT OTHER WORKERS AND THE PUBLIC FROM INJURY.
9. NOTIFY THE OWNER A MINIMUM OF 24 HOURS PRIOR TO SHUT-DOWN OF ANY UTILITIES REQUIRED BY DEMOLITION WORK. ASSIST THE OWNER IN RE-CONNECTING AND RE-ESTABLISHING UTILITY SERVICES AND ITEMS SUCH AS RE-LIGHTING OF PILOT LIGHTS.
10. ALL UTILITIES TO BE REMOVED SHALL BE TERMINATED OR CAPPED TO ENSURE A SEALED AND SAFE SYSTEM AND SHALL BE RECORDED AS DISCONTINUED ON THE PROJECT RECORD AS-BUILT DRAWINGS.
11. ELECTRICAL DEVICES TO BE PERMANENTLY REMOVED SHALL HAVE THEIR FEED CONDUCTORS REMOVED ENTIRELY, BACK TO POINT OF ORIGIN (JUNCTION BOX OR PANELBOARD), AND EXISTING PANELBOARD CIRCUIT DIRECTORIES UPDATED ACCORDINGLY.
12. ALL EXISTING WINDOWS, DOORS, INTERIOR FINISHES, TRIM, AND FLOOR FINISHES IN LOCATIONS OCCUPIED BY ITEMS NOTED AS NEW ON THE WINDOW, DOOR AND ROOM FINISH SCHEDULES SHALL BE REMOVED AS REQUIRED.
13. CONTRACTOR SHALL REPAIR OR REPLACE ANY ADJACENT FINISHES, SURFACES OR MATERIALS DAMAGED BY DEMOLITION OPERATIONS AT NO COST TO THE OWNER.
14. WALLS AND CEILINGS PATCHED DUE TO DEMOLITION OPERATIONS SHALL BE RE-PAINTED IN ENTIRETY AFTER PATCHING.
15. SUSPENDED CEILINGS AFFECTED BY ADJACENT DEMOLITION AND CONSTRUCTION WORK SHALL BE REPAIRED OR REPLACED AS NEEDED TO MATCH ADJACENT CEILING GRID AND TILES TO REMAIN.
16. DO NOT SCALE DRAWINGS; USE ONLY WRITTEN DIMENSIONS. ALL DIMENSIONS MUST BE FIELD VERIFIED BY CONTRACTOR.
17. ARCHITECT MUST BE NOTIFIED OF ANY DISCREPANCIES IN DIMENSIONS AND ASSUMED BEARINGS AND JOIST CONDITIONS THAT ARE FOUND TO BE DIFFERENT THAN INDICATED BY THESE DOCUMENTS PRIOR TO PROCEEDING WITH THE WORK.
18. IF HAZARDOUS MATERIALS ARE ENCOUNTERED DURING DEMOLITION OPERATIONS, NOTIFY ARCHITECT AND OWNER IMMEDIATELY. COMPLY WITH ALL APPLICABLE REGULATIONS, LAWS, AND ORDINANCES CONCERNING REMOVAL, HANDLING, DISPOSAL, AND PROTECTION AGAINST EXPOSURE OR ENVIRONMENTAL POLLUTION.

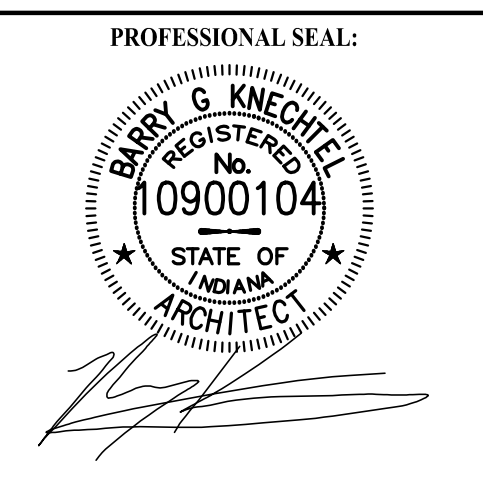
DEMOLITION KEYNOTES

- ① REMOVE PORTION OF EXISTING WALL AND C.M.U. EXTERIOR COVERAGE FOR NEW WINDOW LOCATION. SEE WINDOW SCHEDULE FOR SIZE. PROVIDE NEW HEADER IN WALL AND STEEL LINTEL AT C.M.U. (SEE STRUCTURAL FOR SIZES).
- ② REMOVE EXISTING WALL ENTIRELY. PROVIDE NEW WALL CONSTRUCTION (SEE NEW FLOOR PLAN).
- ③ REMOVE EXISTING DOOR AND FRAME. DISPOSE OF PER OWNER'S DIRECTIVE.
- ④ REMOVE EXISTING PLUMBING FIXTURES AND DISPOSE OF PER OWNER'S DIRECTIVE. REMOVE EXISTING PLUMBING LINES AND DRAIN AND CAP AS REQUIRED.
- ⑤ REMOVE PORTION OF EXISTING WALL. PREPARE AREA FOR NEW WALL LOCATION - SEE NEW FLOOR PLAN.
- ⑥ REMOVE EXISTING CABINET WALL END PANEL AND PREPARE AREA FOR NEW WALL CONSTRUCTION - SEE NEW FLOOR PLAN.
- ⑦ REMOVE EXISTING OVERHEAD DOOR AND FRAME - DISPOSE OF PER OWNER'S DIRECTIVE. REMOVE PORTION OF EXISTING WALL STRUCTURE AND EXISTING C.M.U. EXTERIOR WALL COVERAGE AS REQUIRED FOR NEW INTERNAL WALL BEAM AND COLUMN STRUCTURE TO ATTACH NEW CANOPY STRUCTURE AT BUILDING - SEE STRUCTURAL.
- ⑧ PREPARE EXISTING OPENING FOR NEW WINDOW LOCATION - SEE WINDOW SCHEDULE - MATCH ADJACENT WALL CONDITIONS UNLESS NOTED OTHERWISE.
- ⑨ REMOVE PORTION OF EXISTING ASPHALT AND PREPARE AREA FOR NEW POURED CONCRETE PAVING WITH DECORATIVE GROOVE PATTERN. VERIFY AREA AND PATTERN WITH OWNER.
- ⑩ PREPARE AREA FOR NEW CONCRETE CURBING AND LANDSCAPE AREA. VERIFY WITH CIVIL SITE PLAN.



PROJECT TITLE:
AUTO EXPRESS SALES OFFICE
2306 VETERANS MEMORIAL PARKWAY SOUTH
LAFAYETTE, IN 47909

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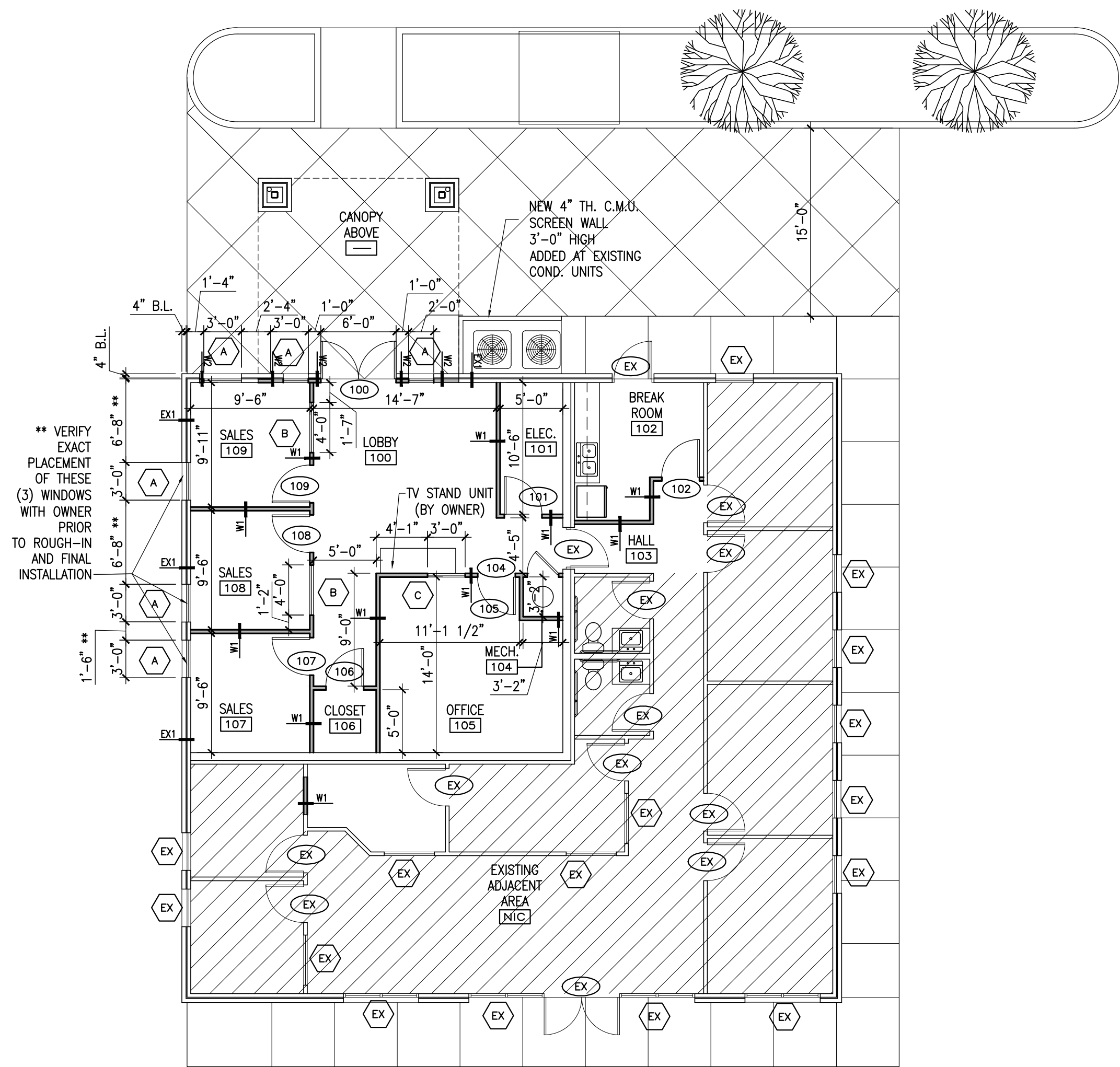
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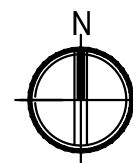
DRAWN BY:
DEMOLITION PLAN

DRAWING TITLE:
DEMOLITION PLAN

SHEET NUMBER:
A105



1
A106 NEW FLOOR PLAN
SCALE: 1/8"=1'-0"



<p>EXISTING GYP. BD. ONE SIDE (WARM SIDE) OF EXISTING 2x4 WOOD STUD @ 16\"/> </p>	<p>5/8\"/> </p>	<p>5/8\"/> </p>
<p>EX1 WALL KEY EXTERIOR WALL</p>	<p>W1 WALL KEY INTERIOR WALL</p>	<p>W2 WALL KEY EXTERIOR WALL</p>

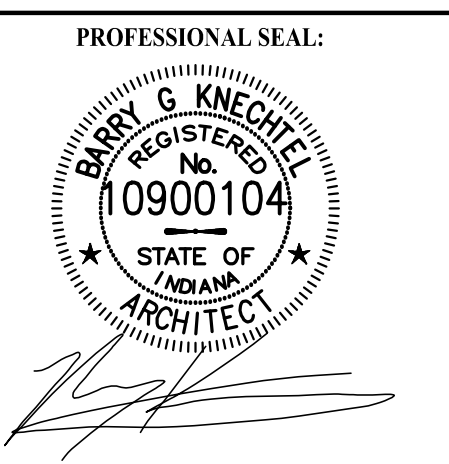
SHEET NOTES:

- A. ALL CONSTRUCTION MATERIALS AND INSTALLATION MUST COMPLY WITH CODE REQUIREMENTS OF THE INDIANA ADMINISTRATIVE BUILDING COUNCIL, THE STATE BOARD OF HEALTH, THE STATE FIRE MARSHALL, AND THE LOCAL GOVERNING AUTHORITY AS SET BY, BUT NOT LIMITED TO THE FOLLOWING AGENCIES:
 - 2012 INTERNATIONAL BUILDING CODE W/ 2014 INDIANA AMENDMENTS
 - 2010 INDIANA ENERGY CONSERVATION CODE (ASHRAE 90.1-2007 W/ INDIANA AMENDMENTS)
 - 2012 INTERNATIONAL FIRE CODE W/ 2014 INDIANA AMENDMENTS
 - 2006 INTERNATIONAL PLUMBING CODE W/ 2012 INDIANA AMENDMENTS
 - 2012 NATIONAL ELECTRICAL CODE W/ 2014 INDIANA AMENDMENTS
 - 2012 INTERNATIONAL MECHANICAL CODE W/ 2014 INDIANA AMENDMENTS
 - 2012 INTERNATIONAL FUEL GAS CODE W/ 2014 INDIANA AMENDMENTS
 - ALL CURRENT LOCAL CODES, ORDINANCES, AND REGULATIONS.
- B. THE OWNER WILL OBTAIN APPROVAL FROM THE APPLICABLE AGENCIES LISTED ABOVE PRIOR TO CONSTRUCTION.
- C. **DO NOT SCALE DRAWINGS; USE ONLY WRITTEN DIMENSIONS.** IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT ALL DIMENSIONS OF THE PROPOSED STRUCTURE ARE CORRECT BEFORE WORK STARTS.
- D. INTERIOR FINISHES SHALL BE IN ACCORDANCE WITH CHAPTER 8 OF THE IBC AND ANY OTHER APPLICABLE PART OF THE IBC.
- E. ALL WOOD AND/OR METAL STUD WALLS SHALL HAVE STUDS SPACED AT 16\"/>



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AUTO EXPRESS SALES OFFICE
 2306 VETERANS MEMORIAL PARKWAY SOUTH
 LAFAYETTE, IN 47909

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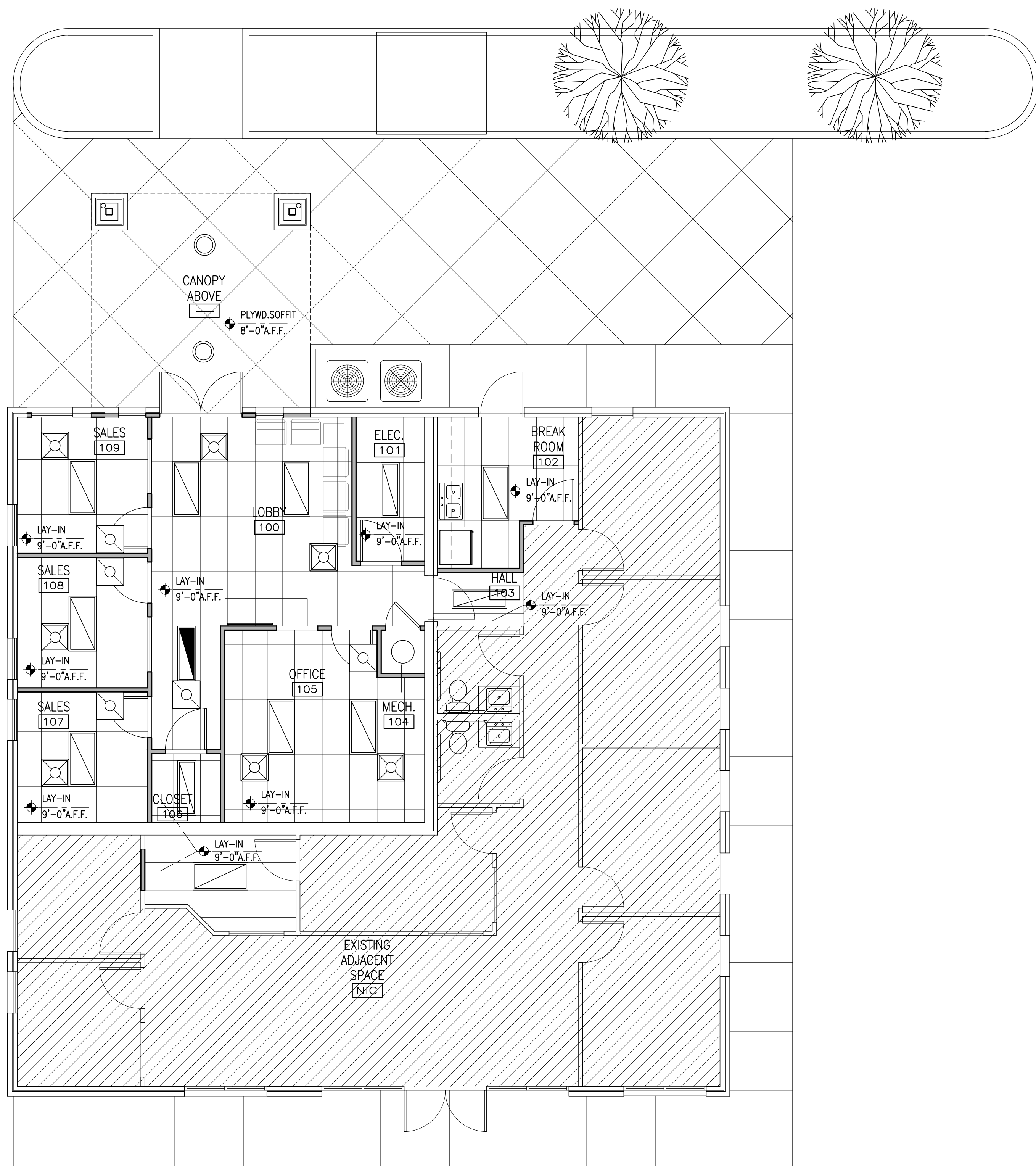
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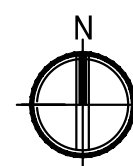
PROJECT NUMBER: **A2016.077** DRAWN BY:

DRAWING TITLE:
NEW FLOOR PLAN

SHEET NUMBER:
A106



1 REFLECTED CEILING PLAN
 A110 SCALE: 3/16"=1'-0"



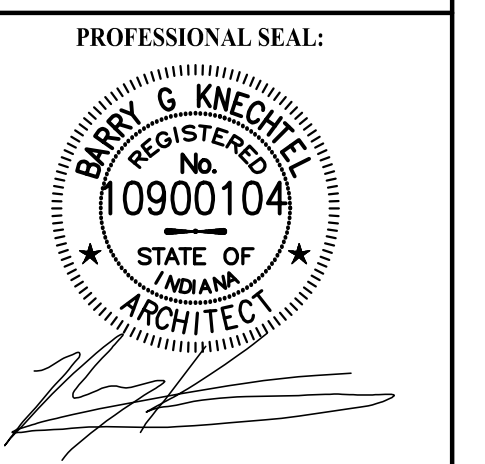
REFLECTED CEILING LEGEND	
SYMBOL	DESCRIPTION
	SUSPENDED CEILING TILE/GRID SYSTEM W/ 2'X4' LAY-IN CEILING TILES. SEE INTERIOR FINISH SCHEDULE.
	INDICATES CEILING TYPE/MATERIAL AND CEILING HEIGHT ABOVE FINISHED FLOOR.
	CEILING-RECESSED HVAC SUPPLY AIR DIFFUSER. SEE MECHANICAL PLAN AND SCHEDULES.
	CEILING-RECESSED HVAC RETURN AIR GRILLE. SEE MECHANICAL PLAN AND SCHEDULES.
	2'X4' LAY-IN LED TROFFER LIGHT FIXTURE. SEE LIGHTING PLAN AND LIGHT FIXTURE SCHEDULE.
	1'X4' RECESSED LED TROFFER LIGHT FIXTURE. SEE LIGHTING PLAN AND LIGHT FIXTURE SCHEDULE.
	8" DIA. RECESSED LED WEATHER-PROOF CAN LIGHT FIXTURE. SEE LIGHTING PLAN AND LIGHT FIXTURE SCHEDULE.



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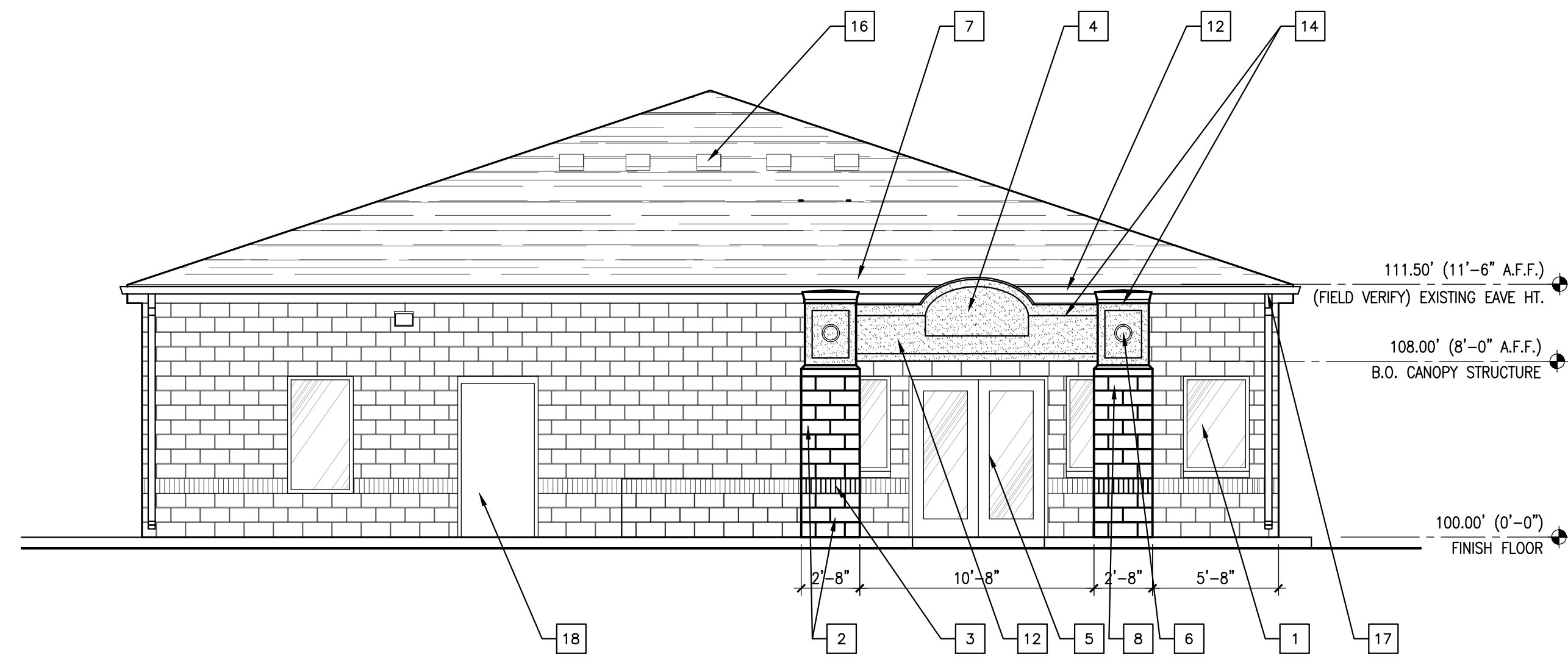
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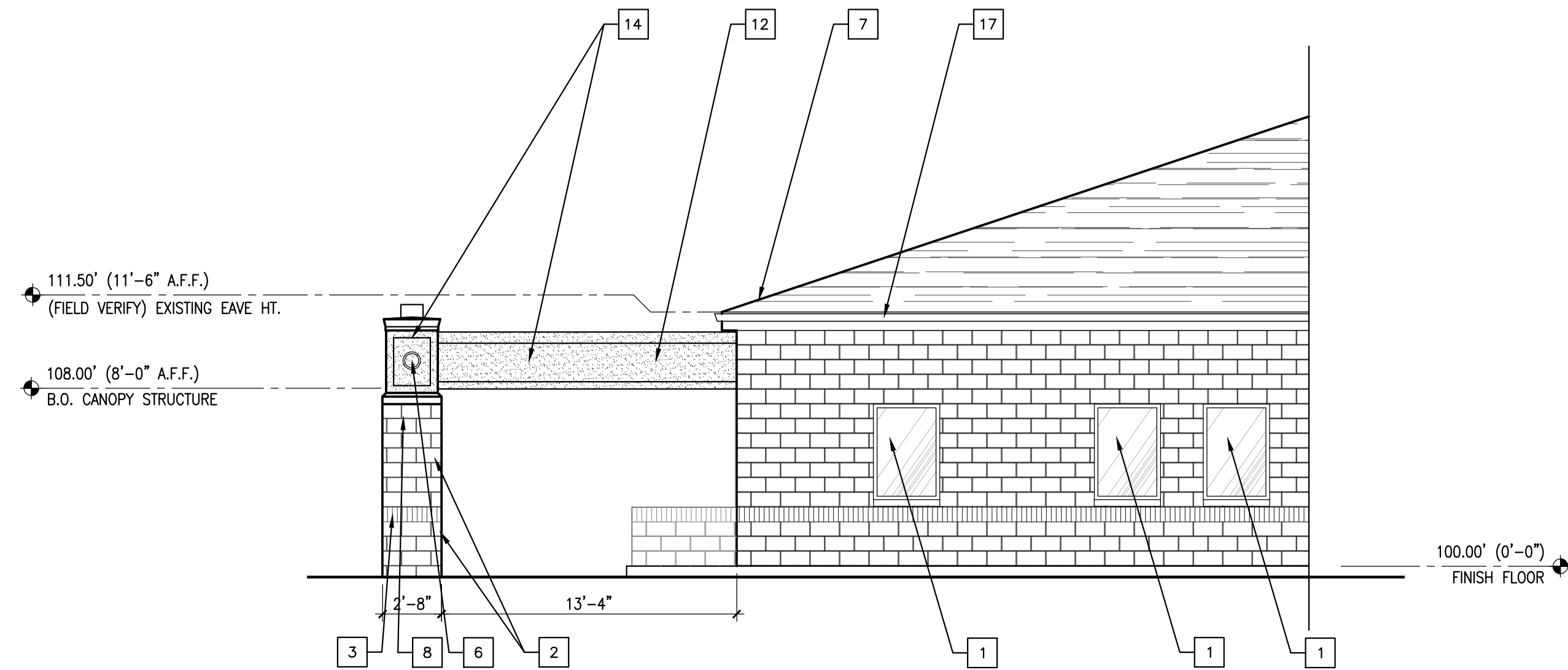
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DRAWING TITLE:
REFLECTED CEILING PLAN

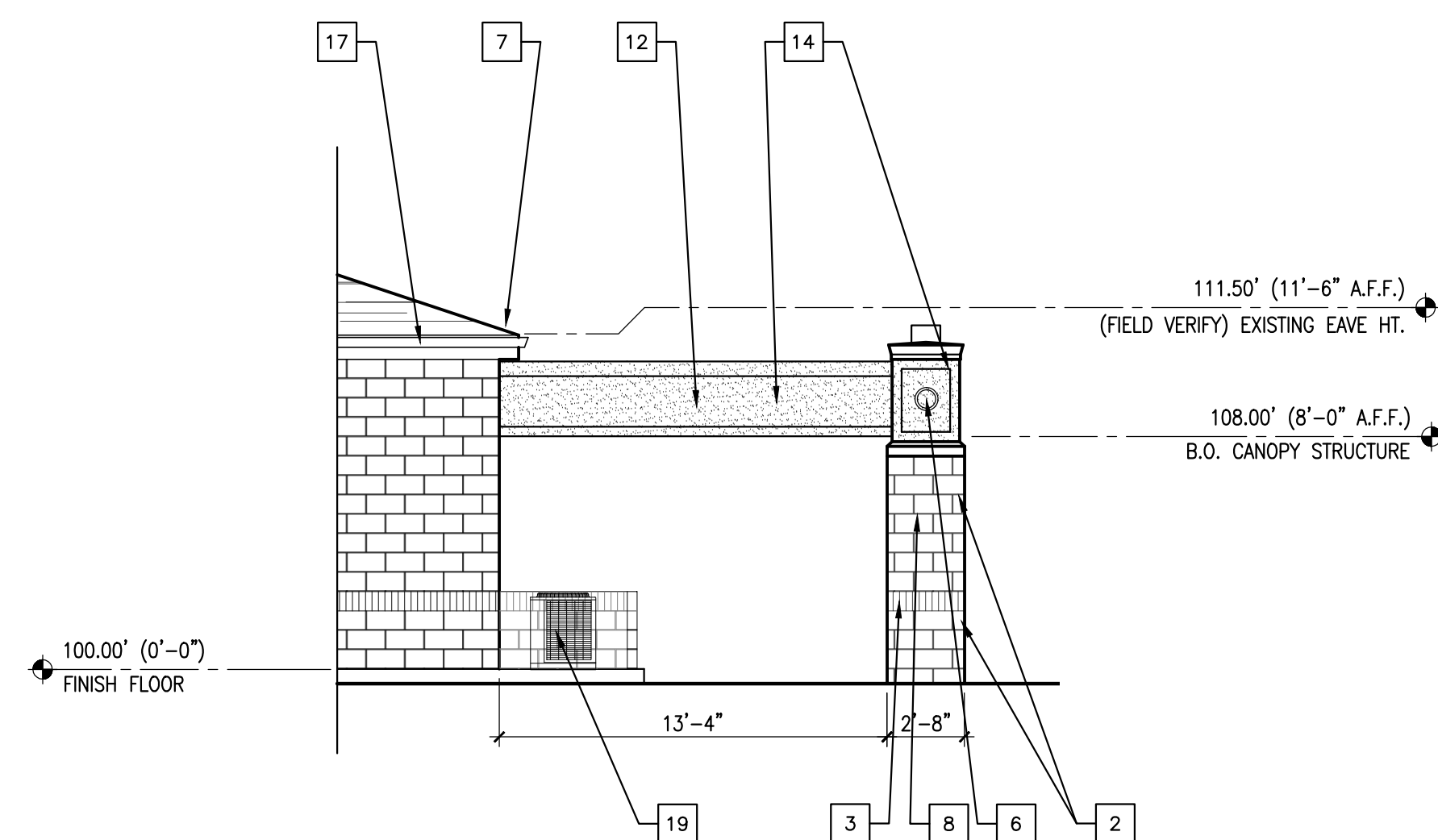
SHEET NUMBER:
A110



1 NORTH ELEVATION
A200 SCALE: 3/16"=1'-0"



2 NORTH ELEVATION (PARTIAL)
A200 SCALE: 3/16"=1'-0"



3 SOUTH ELEVATION (PARTIAL)
A200 SCALE: 3/16"=1'-0"

ELEVATION GENERAL NOTES:

- 1 COLOR AND TEXTURE OF MATERIAL, IF NOT INDICATED, SHALL BE APPROVED BY THE OWNER AND THE ARCHITECT PRIOR TO INSTALLATION.
- 2 ALL VENTS AND ROOF EQUIPMENT THAT ARE VISIBLE FROM THE GROUND SHALL BE PAINTED A COLOR TO MATCH THE ADJACENT SURFACE, UNLESS OTHERWISE NOTED. EXISTING ROOF EQUIPMENT TO BE CLEANED AND REPAINTED AS REQ'D.
- 3 COORDINATE FINAL GRADE LINES WITH THE CIVIL ENGINEERS SITE FINISHED GRADES FOR ELEVATIONS AND LOCATIONS OF BRICK LEDGES, VENTS, BOTTOM OF FOOTERS, STEPS AND RAMPS, ETC..

KEYNOTES:

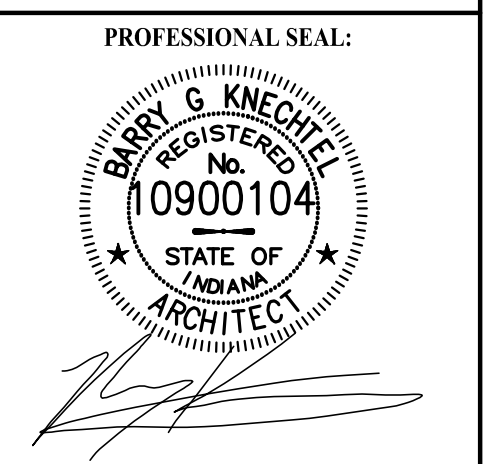
1. WINDOW UNIT, (SEE WINDOW SCHEDULE).
2. SPLIT-FACED CMU, COLOR TO MATCH EXISTING.
3. FLUTED, SPLIT-FACED CMU, COLOR TO MATCH EXISTING.
4. SIGNAGE BY OWNER.
5. STOREFRONT DOOR, COLOR TO MATCH EXISTING. SEE DOOR SCHEDULE.
6. LIGHT FIXTURE, SEE ELECTRICAL.
7. ARCHITECTURAL ROOF SHINGLE, COLOR TO MATCH EXISTING - REPAIR/REPLACE AT AREA OF NEW CANOPY ADDITION IF REQUIRED.
8. BUILT-UP COLUMN. SEE STRUCTURAL AND CANOPY DETAILS.
9. VENTED SOFFIT, TO MATCH EXISTING.
10. EPDM ROOFING MEMBRANE AREA.
11. ALUMINUM WRAPPED FASCIA, COLOR TO MATCH EXISTING.
12. E.I.F.S. COVERAGE AREA, COLOR/STYLE TO MATCH EXISTING.
13. ROOF DRAIN, CONNECT TO DOWNSPOUT INSIDE COLUMN.
14. BUILT-UP CANOPY AREA (SEE STRUCTURAL AND CANOPY DETAILS).
15. METAL COPING CAP (COLOR/STYLE TO MATCH EXISTING).
16. EXISTING OFF-RIDGE ROOF VENTS (TO REMAIN INTACT).
17. EXISTING ALUM. GUTTER AND DOWNSPOUTS (TO REMAIN INTACT - RELOCATE DOWNSPOUTS AT AREAS OF REMODELING AS REQUIRED.)
18. EXISTING METAL DOOR (REPAIR/REPLACE ANY HARDWARE COMPONENTS AS REQUIRED).
19. EXISTING COND. UNITS (PROVIDE NEW CMU SCREEN WALL AS SHOWN ON ELEVATIONS AND FLOOR PLAN).



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PROJECT TITLE:
AUTO EXPRESS SALES OFFICE
 2306 VETERANS MEMORIAL PARKWAY SOUTH
 LAFAYETTE, IN 47909

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PROJECT DATE:
09/16/2016

No.	DESCRIPTION:	DRAWN BY:	DATE ISSUED:

PROJECT NUMBER: A2016.077 **DRAWN BY:**

DRAWING TITLE:
EXTERIOR ELEVATIONS

SHEET NUMBER:
A200



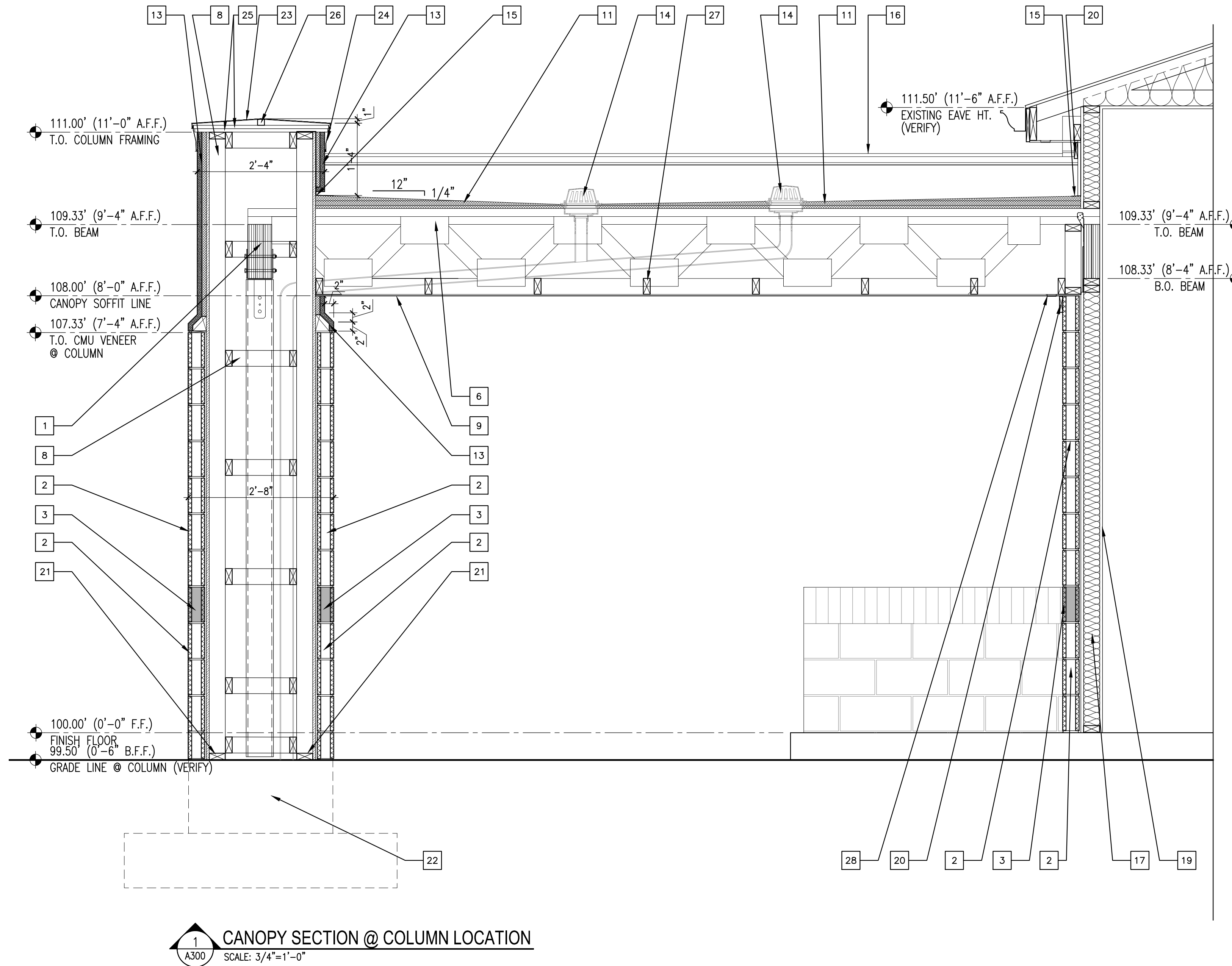
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ELEVATION GENERAL NOTES:

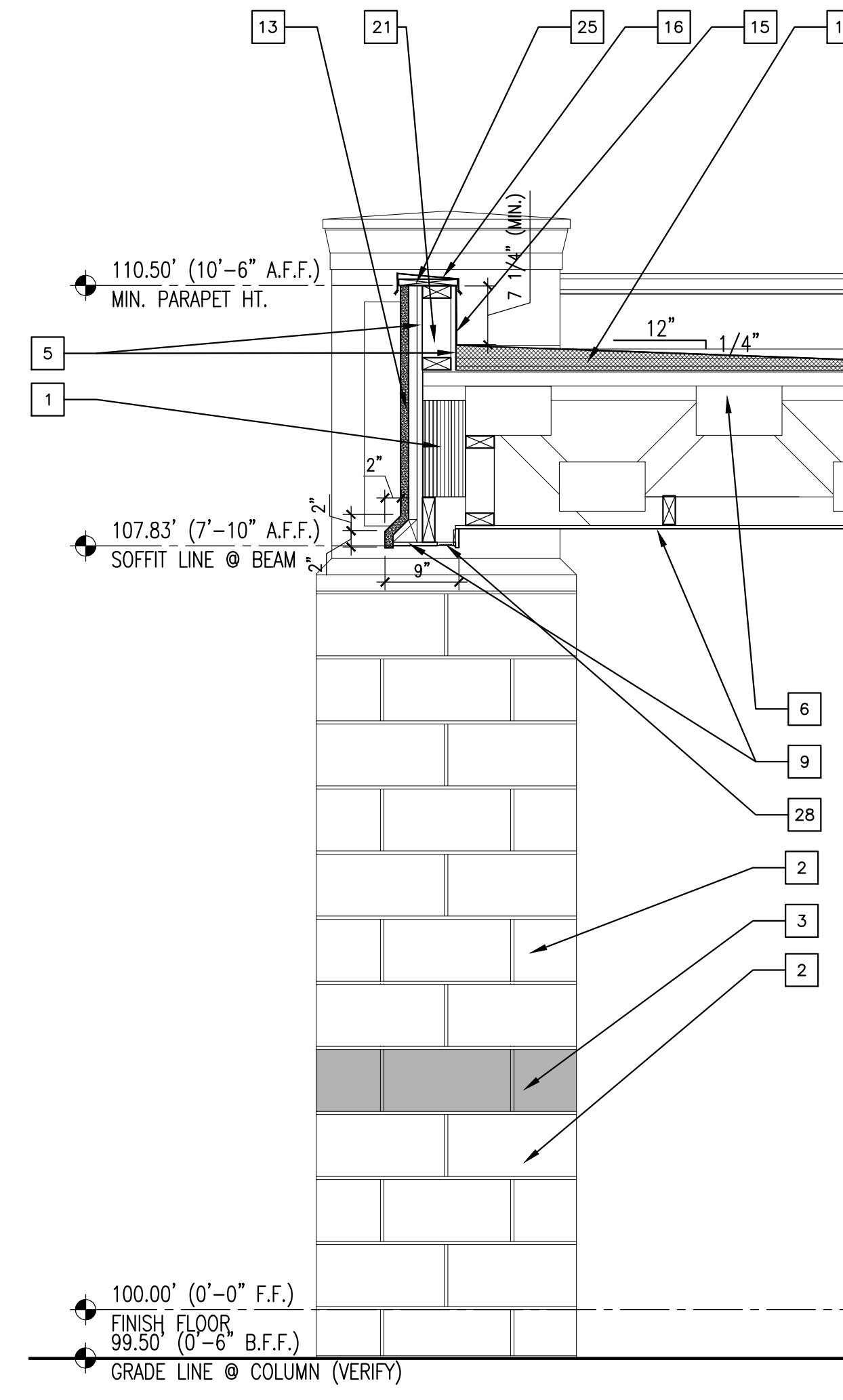
- COLOR AND TEXTURE OF MATERIAL, IF NOT INDICATED, SHALL BE APPROVED BY THE OWNER AND THE ARCHITECT PRIOR TO INSTALLATION.
- ALL VENTS AND ROOF EQUIPMENT THAT ARE VISIBLE FROM THE GROUND SHALL BE PAINTED A COLOR TO MATCH THE ADJACENT SURFACE, UNLESS OTHERWISE NOTED. EXISTING ROOF EQUIPMENT TO BE CLEANED AND REPAINTED AS REQ'D.
- COORDINATE FINAL GRADE LINES WITH THE CIVIL ENGINEERS SITE FINISHED GRADES FOR ELEVATIONS AND LOCATIONS OF BRICK LEDGES, VENTS, BOTTOM OF FOOTERS, STEPS AND RAMPS, ETC.

KEYNOTES:

- BEAM, (SEE STRUCTURAL).
- SPLIT-FACED CMU, COLOR TO MATCH EXISTING.
- FLUTED, SPLIT-FACED CMU, COLOR TO MATCH EXISTING.
- SIGNAGE BY OWNER.
- 5/8" O.S.B. SHEATHING
- WOOD ROOF TRUSS, SEE STRUCTURAL.
- SLOPED ROOF INSULATION, PER EDPM ROOFING SUPPLIER.
- 2X FRAMING.
- 3/8" EXT. RATED PLYWD. SOFFIT
- VENTED SOFFIT, TO MATCH EXISTING.
- EDPM ROOFING MEMBRANE AREA.
- ALUMINUM WRAPPED FASCIA, COLOR TO MATCH EXISTING.
- E.I.F.S. VENEER, COLOR/STYLE TO MATCH EXISTING.
- ROOF DRAIN, CONNECT TO DOWNSPOUT INSIDE COLUMN.
- RUN EDPM MATERIAL UP PARAPET SIDES FULL HT. (TYP. UNLESS NOTED OTHERWISE).
- METAL COPING CAP (COLOR/STYLE TO MATCH EXISTING).
- BATT INSUL. IN WALL (MATCH EXISTING)
- EXISTING ALUM. GUTTER AND DOWNSPOUTS (TO REMAIN INTACT - RELOCATE DOWNSPOUTS AT AREAS OF REMODELING AS REQUIRED.)
- 5/8" GYP. BD. INTERIOR WALL COVERAGE.
- 1X CEDAR TRIM (PAINT TO MATCH EXISTING).
- 2X4 P.T. FRAMING
- COLUMN FOUNDATION (SEE STRUCTURAL).
- METAL COLUMN CAP (FIELD-FABRICATED) COLOR TO MATCH EXISTING.
- METAL CAP TRIM (FIELD-FABRICATED) COLOR TO MATCH EXISTING.
- 3/4" EXT. RATED PLYWD. FRAMING CAP BASE
- P.T. SLOPED WOOD TRIM (RIPPED TO FIT METAL CAP) USE TO SECURE CAP TO BASE.
- 2X FRAMING BETWEEN TRUSSES (TO SECURE PLYWD. SOFFIT PANELS AS REQUIRED).
- CONT. METAL SOFFIT VENT STRIP W/ INSECT SCREEN (RUN AROUND ENTIRE PERIMETER OF SOFFIT PANEL AREA OF UNDERSIDE OF CANOPY STRUCTURE).



1 CANOPY SECTION @ COLUMN LOCATION
 SCALE: 3/4"=1'-0"

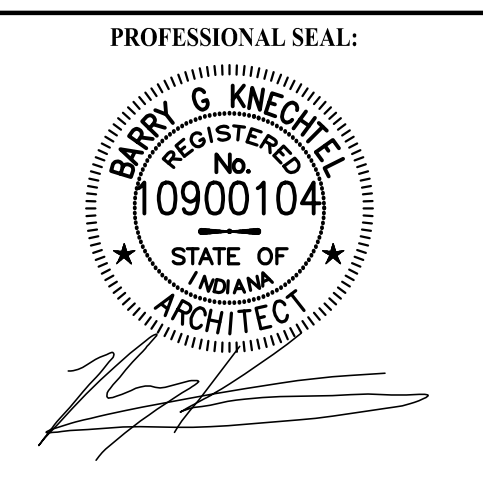


2 CANOPY SECTION @ SIGNAGE LOCATION
 SCALE: 3/4"=1'-0"

PROJECT TITLE:
AUTO EXPRESS SALES OFFICE

**2306 VETERANS MEMORIAL PARKWAY SOUTH
 LAFAYETTE, IN 47909**

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PROJECT DATE:
09/16/2016

No.	DESCRIPTION	DRAWN BY	DATE ISSUED

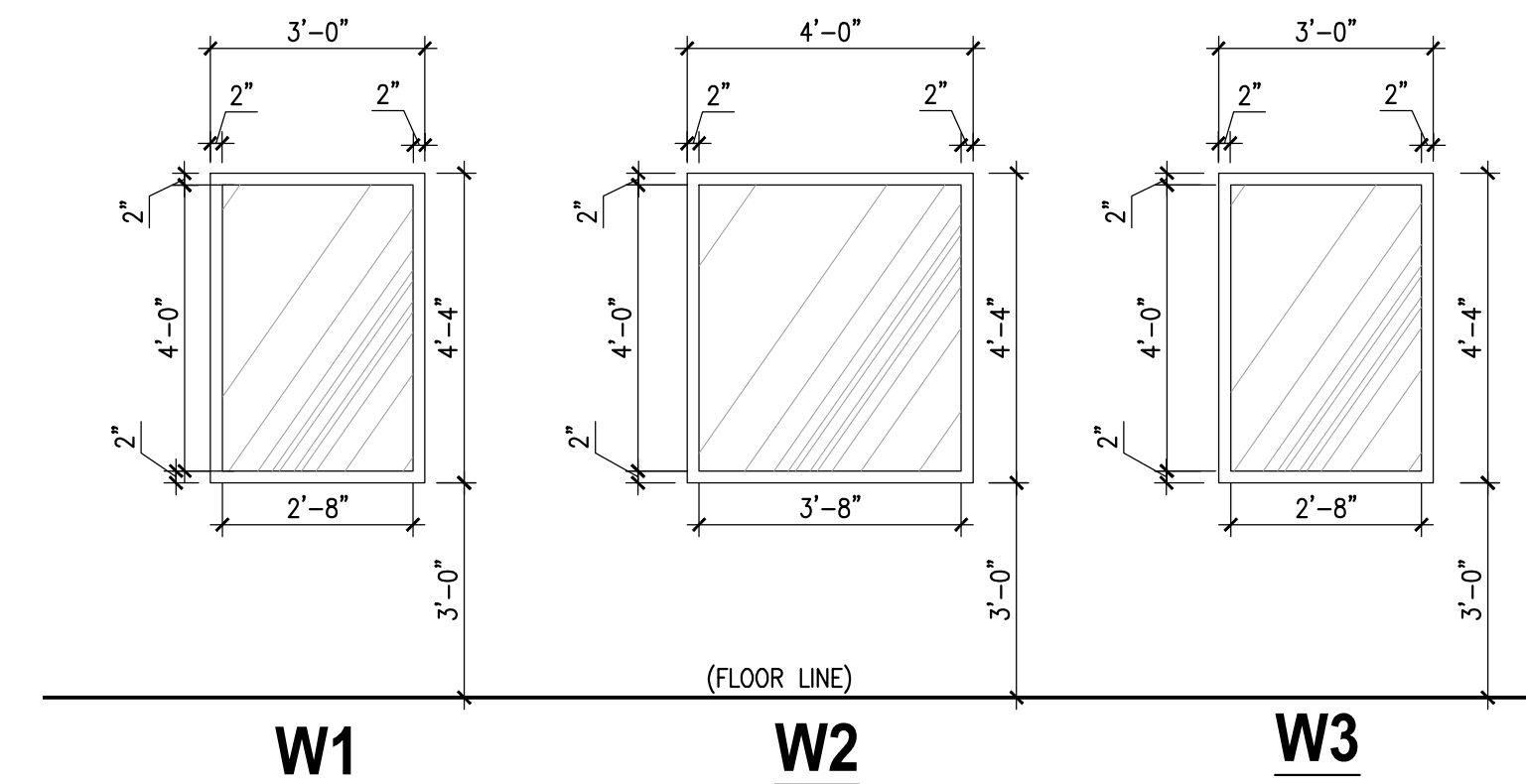
PROJECT NUMBER: **A2016.077** DRAWN BY:

DRAWING TITLE:
CANOPY SECTIONS AND DETAILS

SHEET NUMBER:
A300

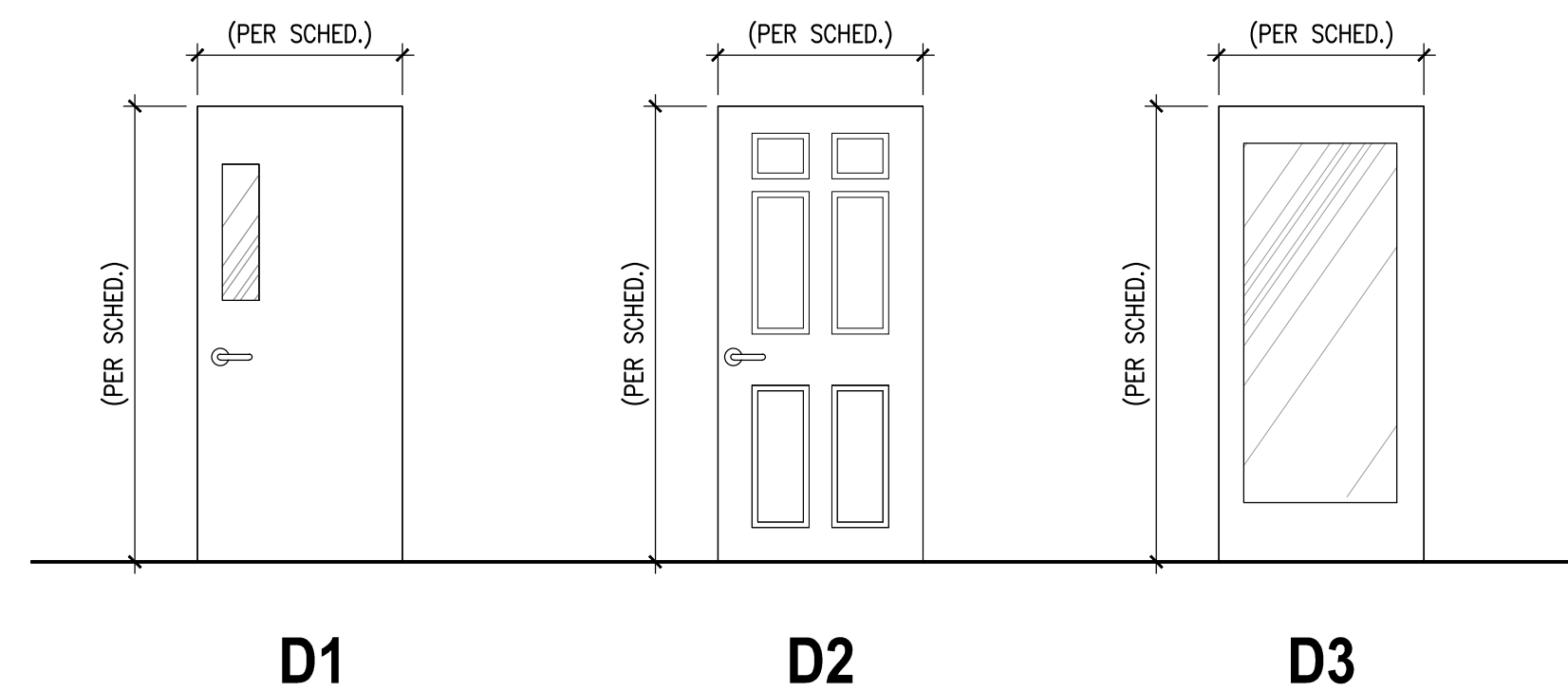
WINDOW SCHEDULE									
MARK	ELEV.	SIZE		FRAME		GLAZING TYPE	HEADER HEIGHT	REMARKS	FIRE RATING
		WIDTH	HEIGHT	TYPE	FINISH				
A	W1	3'-0"	4'-4"	ALUM	ANOD	G1	7'-4" (VERIFY)		
B	W2	4'-0"	4'-4"	ALUM	ANOD	G2	7'-4" (VERIFY)		
C	W3	3'-0"	4'-4"	ALUM	ANOD	G2	7'-4" (VERIFY)		
EX	-	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING UNIT - TO REMAIN INTACT	

WINDOW ELEVATIONS

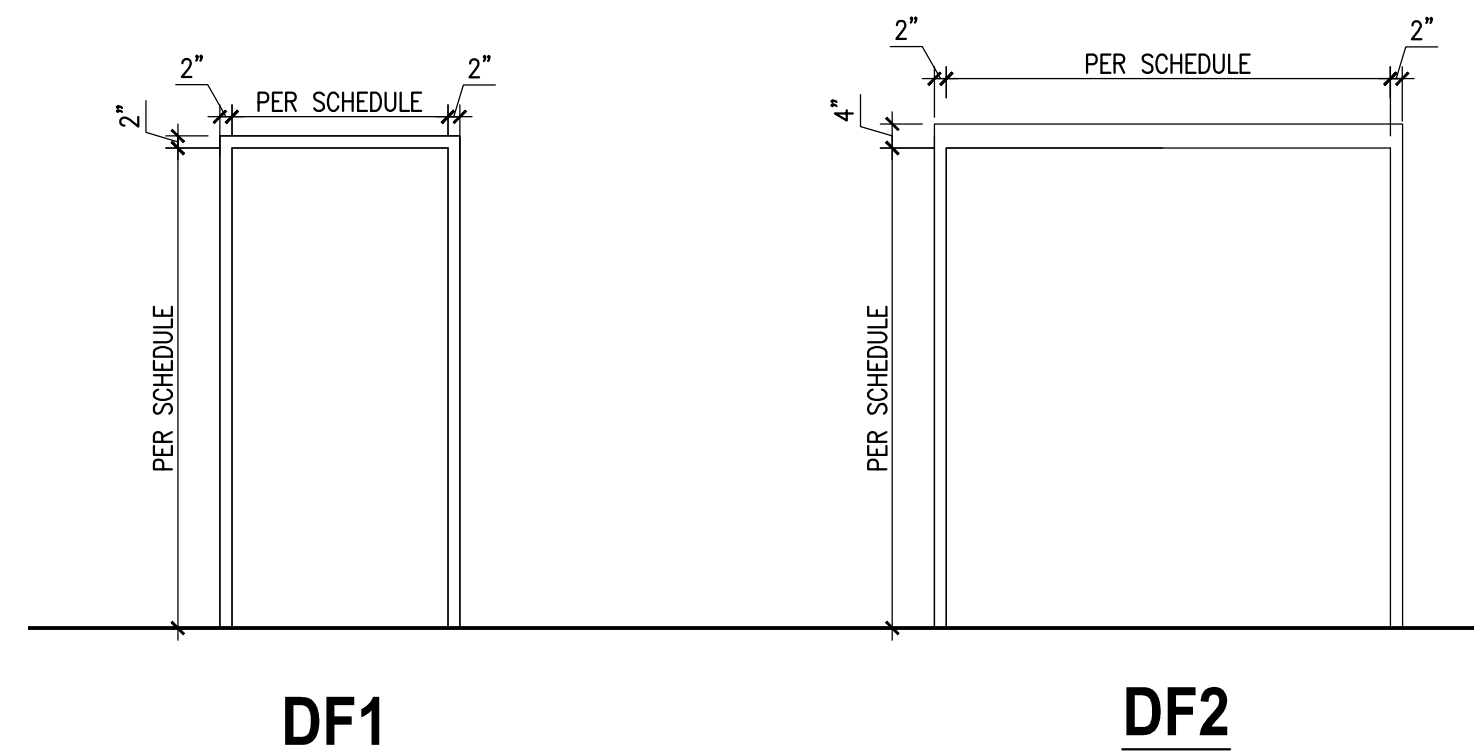


DOOR AND FRAME SCHEDULE													
MARK	ROOM	DOOR					FRAME			HEADER HEIGHT	HARDWARE SET NUMBER	REMARKS	FIRE RATING
		ELEV.	SIZE		TYPE	FINISH	ELEV.	TYPE	FINISH				
			WIDTH	HEIGHT									
100	LOBBY	D3	(2)3'-0"	7'-0"	ALUM1	ANOD	DF1	DF2	ANOD	7'-4" (VERIFY)	SEE NOTE		
101	ELECT.	D2	3'-0"	7'-0"	WD1	P2	DF1	DF1	P3	7'-2"	SEE NOTE		
104	MECH.	D2	3'-0"	7'-0"	WD1	P2	DF1	DF1	P3	7'-2"	SEE NOTE		
105	OFFICE	D2	3'-0"	7'-0"	WD1	P2	DF1	DF1	P3	7'-2"	SEE NOTE		
106	CLOSET	D2	3'-0"	7'-0"	WD1	P2	DF1	DF1	P3	7'-2"	SEE NOTE		
107	SALES	D1	3'-0"	7'-0"	WD1	P2	DF1	DF1	P3	7'-2"	SEE NOTE		
108	SALES	D2	3'-0"	7'-0"	WD1	P2	DF1	DF1	P3	7'-2"	SEE NOTE		
109	SALES	D2	3'-0"	7'-0"	WD1	P2	DF1	DF1	P3	7'-2"	SEE NOTE		

DOOR ELEVATIONS



DOOR FRAME ELEVATIONS



TRANSITION STRIPS

TS1 = COMMERCIAL GRADE, VINYL TRANSITION STRIP
 MANUFACTURER: JOHNSONITE (OR EQUAL)
 COLOR: (TO MATCH ADJACENT FLOORING)
 VCT (OR CPT) TRANSITIONS TO SC
 ***FIELD VERIFICATION REQUIRED

TS2 = COMMERCIAL GRADE, VINYL TRANSITION STRIP
 MANUFACTURER: JOHNSONITE (OR EQUAL)
 COLOR: (TO MATCH ADJACENT FLOORING)
 VCT TRANSITIONS TO CPT
 ***FIELD VERIFICATION REQUIRED

DOOR FINISH

P2 = DOOR PAINT, ONE COAT PRIMER COAT AND TWO FINISH COATS
 MANUFACTURER: AS SELECTED BY OWNER
 COLOR: AS SELECTED BY OWNER
 FINISH: AS SELECTED BY OWNER

DOOR TRIM FINISH

P3 = DOOR TRIM PAINT, ONE COAT PRIMER COAT AND TWO FINISH COATS
 MANUFACTURER: AS SELECTED BY OWNER
 COLOR: AS SELECTED BY OWNER
 FINISH: SEMI-GLOSS

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR		WALLS								CEILING		REMARKS
		FINISH	BASE	NORTH		EAST		SOUTH		WEST		MTL.	FIN.	
				MTL.	FIN.	MTL.	FIN.	MTL.	FIN.	MTL.	FIN.			
100	LOBBY	CPT	VCB1	GYP	P1	GYP	P1	GYP	P1	GYP	P1	LAY-IN	PRE	
101	ELECTRICAL ROOM	SC	VCB1	GYP	P1	GYP	P1	GYP	P1	GYP	P1	LAY-IN	PRE	PROVIDE FLOOR TRANSITION STRIP TS1 AT DOOR 101 LOCATION
102	BREAK ROOM	VCT	VCB1	GYP	P1	GYP	P1	GYP	P1	GYP	P1	LAY-IN	PRE	PROVIDE FLOOR TRANSITION STRIP TS2 AT DOOR 102 LOCATION
103	HALL	CPT	VCB1	GYP	P1	GYP	P1	GYP	P1	GYP	P1	LAY-IN	PRE	
104	MECHANICAL	SC	VCB1	GYP	P1	GYP	P1	GYP	P1	GYP	P1	LAY-IN	PRE	PROVIDE FLOOR TRANSITION STRIP TS1 AT DOOR 104 LOCATION
105	OFFICE	CPT	VCB1	GYP	P1	GYP	P1	GYP	P1	GYP	P1	LAY-IN	PRE	
106	CLOSET	CPT	VCB1	GYP	P1	GYP	P1	GYP	P1	GYP	P1	LAY-IN	PRE	
107	SALES	CPT	VCB1	GYP	P1	GYP	P1	GYP	P1	GYP	P1	LAY-IN	PRE	
108	SALES	CPT	VCB1	GYP	P1	GYP	P1	GYP	P1	GYP	P1	LAY-IN	PRE	
109	SALES	CPT	VCB1	GYP	P1	GYP	P1	GYP	P1	GYP	P1	LAY-IN	PRE	

GENERAL NOTES:

- OWNER SHALL FURNISH AND INSTALL ALL KEYS PRIOR TO SUBSTANTIAL COMPLETION.
- ALL HARDWARE SHALL BE INSTALLED AND FIELD ADJUSTED PER MANUFACTURER'S REQUIREMENTS.
- SEE ELEVATIONS FOR GLAZING TYPE.

DOOR & FRAME LEGEND:

DOORS/WINDOWS:

HM1 INSULATED HOLLOW METAL FLUSH WITH VISION GLASS, 1-3/4" TOTAL DOOR THICKNESS, HEAVY DUTY STANDARD, CECO OR APPROVED EQUAL.
 WD1 SOLID CORE WOOD VENEER 6-PANEL TYPE DOOR, PREPPED FOR HARDWARE, MASONITE OR EQUAL.

SFD1 STOREFRONT DOOR WITH FULL GLASS PANEL, KAWNEER OR APPROVED EQUAL.

FRAMES:

DF1 HOLLOW METAL FRAME, KNOCK-DOWN, 16 GA. MINIMUM COLD ROLLED STEEL, FACTORY PRIMED, CURRIES CM SERIES OR APPROVED EQUAL.
 ALUM1 ALUMINUM STOREFRONT, KAWNEER 451T SERIES OR APPROVED EQUAL.

DOOR & FRAME FINISH & GLAZING LEGEND:

GLAZING:

G1 STANDARD EXTERIOR GLAZING: 1" INSULATING CLEAR/CLEAR GLASS ASSEMBLY USING (2) 1/4" THICK GLASS PANES W/ 1/2" AIR SPACE BETWEEN AND SPUTTERED LOW-E COATING ON #2 SURFACE. PPG SOLARBAN 60 OR EQUAL, VLT 70%, U-VALUE 0.35, SHGC 0.44, SC 0.44, UV TRANS. 19%, EXTERIOR VISIBLE REFLECTANCE 11%. PROVIDE TEMPERED GLASS WHEN NOTED ON THE WINDOW ELEVATIONS.

G2 STANDARD INTERIOR GLAZING: 1/4" CLEAR GLASS PANEL SECURED IN ALUM. FRAME WITH RUBBER GASKETING.

FINISH:

ANOD PREFINISHED ALUMINUM ANODIZED BY MANUFACTURER, CLEAR ANODIZED.

PT PAINT, ONE PRIMER COAT AND TWO FINISH COATS
 MANUFACTURER/COLOR: VERIFY ALL FINISHES WITH OWNER.

DOOR HARDWARE

HARDWARE STANDARDS:

LEVER HARDWARE: SCHLAGE AL SERIES, FINISH US26D
 CLOSERS: LCN 4040 SERIES W/ HOLD OPEN
 EXIT DEVICES: VON DUPRIN 35A SERIES
 BUTT HINGES: MCKINNEY #MPB79, PLAIN STEEL
 OVERHEAD STOP: GLYNN-JOHNSON #100 SERIES, CONCEALED

VERIFY ALL FINISHES WITH OWNER PRIOR TO ORDERING MATERIALS.

ALL LOCKS SHALL BE KEYPED TO THE EXISTING MASTER SYSTEM --- COORDINATE MASTERING AND SUBMASTERING W/ OWNER.

VERIFY ALL HARDWARE SETS WITH OWNER PRIOR TO FINAL ORDERING.

FINISHES:

FLOOR FINISH

VCT1 = COMMERCIAL GRADE, VINYL COMPOSITION TILE
 MANUFACTURER: AS SELECTED BY OWNER
 COLLECTION: AS SELECTED BY OWNER
 COLOR: AS SELECTED BY OWNER
 INSTALLATION: VERIFY WITH OWNER

CPT = GLUE-DOWN CARPET SQUARES
 MANUF: SELECTED BY OWNER
 COLOR: SELECTED BY OWNER
 INSTALLATION: VERIFY WITH OWNER

SC = SEALED CONCRETE

FLOOR BASE

VCB1 = COMMERCIAL GRADE, 4" VINYL COVE WALL BASE
 MANUFACTURER: JOHNSONITE
 COLOR: AS SELECTED BY OWNER

WALL MATERIAL

GYP = 5/8" GYP BOARD

WALL FINISH

P1 = WALL PAINT, ONE COAT PRIMER COAT AND TWO FINISH COATS
 MANUFACTURER: SELECTED BY OWNER
 COLOR: AS SELECTED BY OWNER
 FINISH: SELECTED BY OWNER

CEILING MATERIAL

LAY-IN = ACOUSTICAL LAY IN TILES WITH METAL GRIDWORK

CEILING FINISH

PRE= PRE-FINISHED PER CEILING TILE MANUF.



PROJECT TITLE:
AUTO EXPRESS SALES OFFICE
 2306 VETERANS MEMORIAL PARKWAY SOUTH
 LAFAYETTE, IN 47909



PROJECT DATE:
09/16/2016

No.	DESCRIPTION	DRAWN BY	DATE INDEXED

PROJECT NUMBER: **A2016.077** DRAWN BY:

DRAWING TITLE:
DOOR & WINDOW & ROOM FINISH SCHEDULES

SHEET NUMBER:
A600

GENERAL STRUCTURAL NOTES

- 1.0 GENERAL.....
- 1.1 THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING ALL APPLICABLE SAFETY PRECAUTIONS OR REGULATIONS DURING CONSTRUCTION. THE STRUCTURAL ENGINEER WILL NOT ADVISE NOR ISSUE DIRECTION ON SAFETY PRECAUTIONS.
- 1.2 THE STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR PROCEDURES REQUIRED TO PERFORM WORK ON THIS PROJECT. SUPERVISION OF ALL WORK IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 1.3 NO STRUCTURAL MEMBER SHALL BE NOTCHED, CUT, OR OTHERWISE REDUCED IN STRENGTH WITHOUT WRITTEN AUTHORIZATION BY THE STRUCTURAL ENGINEER.
- 1.4 DRAWINGS INDICATE TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY SHOWN, SIMILAR CONSTRUCTION TYPE AND STYLE SHALL BE USED AND SHALL BE SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER.
- 1.5 STRUCTURAL ELEMENTS ARE NON-SELF SUPPORTING AND REQUIRE INTERACTION WITH OTHER ELEMENTS FOR STABILITY AND RESISTANCE TO LATERAL FORCES. FRAMING AND WALLS SHALL BE TEMPORARILY BRACED BY THE CONTRACTOR UNTIL PERMANENT BRACING, FLOOR AND ROOF DECKS, OR WALLS HAVE BEEN INSTALLED AND PERMANENT CONNECTIONS BETWEEN THESE ELEMENTS HAVE BEEN MADE. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE SUPPORT AND STABILITY OF STRUCTURE DURING ALL PHASES OF CONSTRUCTION.
- 1.6 THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS, SHALL VERIFY EXISTING TOPOGRAPHY, AND GRADE ELEVATIONS, AND SHALL NOTIFY KJG ENGINEERING OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH THE PROJECT.
- 1.7 IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INFORM KJG ENGINEERING OF ANY UNSAFE ITEMS OR CODE VIOLATIONS, BOTH STATE AND LOCAL, PRIOR TO THE START OF CONSTRUCTION.
- 1.8 THESE PLANS ADDRESS STRUCTURAL ENGINEERING PORTIONS OF THIS PROJECT ONLY. SEE ARCHITECTURAL DRAWINGS FOR INFORMATION REGARDING FINISHES NOT SHOWN.
- 1.9 IF FIELD CONDITIONS EXIST THAT REQUIRE ALTERATIONS TO THESE PLANS, KJG ENGINEERING MUST BE NOTIFIED AT ONCE AND BEFORE ANY FURTHER CONSTRUCTION TAKES PLACE.
- 1.10 DO NOT SCALE DRAWINGS, USE ONLY WRITTEN DIMENSIONS.
- 1.11 ALL CONSTRUCTION MATERIALS AND INSTALLATION MUST COMPLY WITH CODE REQUIREMENTS OF THE INDIANA ADMINISTRATIVE BUILDING COUNCIL, THE STATE FIRE MARSHALL, AND THE LOCAL GOVERNING AUTHORITY.
- 2.0 EXISTING CONDITIONS.....
- 2.1 EXISTING BUILDING DIMENSIONS AND MATERIAL SIZES SHOWN ON THESE PLANS ARE BASED ON LIMITED FIELD MEASUREMENTS BY KJG ENGINEERING AND/OR INFORMATION OBTAINED FROM ORIGINAL CONSTRUCTION DRAWINGS. PRIOR TO FABRICATING NEW STRUCTURAL MEMBERS, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL DIMENSIONS AND ANY AS-BUILT CONDITIONS THAT MAY HAVE CHANGED SINCE THESE DRAWINGS WERE ISSUED.
- 2.2 PORTIONS OF WORK PROPOSED IN THESE PLANS CONSISTS OF REPLACING AND/OR MODIFYING COMPONENTS OF AN EXISTING STRUCTURE. NO INCREASE IN DEAD AND LIVE LOADING TO THE REMAINING EXISTING STRUCTURAL MEMBERS IS ANTICIPATED.
- 2.3 KJG ENGINEERING WAS UNABLE TO INSPECT ALL EXISTING COMPONENTS OF THE BUILDING DUE TO LIMITED ACCESS. IF ANY STRUCTURAL DAMAGE IS DISCOVERED DURING CONSTRUCTION OR DEMOLITION THAT IS NOT SHOWN ON THESE PLANS, CONTACT KJG ENGINEERING FOR AN INSPECTION.
- 2.4 THE CONTRACTOR SHALL FIELD VERIFY THE DIMENSIONS, ELEVATIONS, ETC. NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW PORTIONS OF WORK TO THE EXISTING COMPONENTS.
- 2.5 BEFORE PROCEEDING WITH ANY WORK, THE CONTRACTOR SHALL BECOME FAMILIAR WITH EXISTING STRUCTURAL CONDITIONS AND ANY OTHER CONDITIONS WHICH MAY AFFECT THE NEW CONSTRUCTION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY SAFEGUARDS, TO MAINTAIN ALL PARTS OF THE WORK IN A SAFE CONDITION DURING DEMOLITION AND CONSTRUCTION, AND TO PROTECT PORTIONS OF THE EXISTING WORK WHICH ARE TO REMAIN FROM DAMAGE.

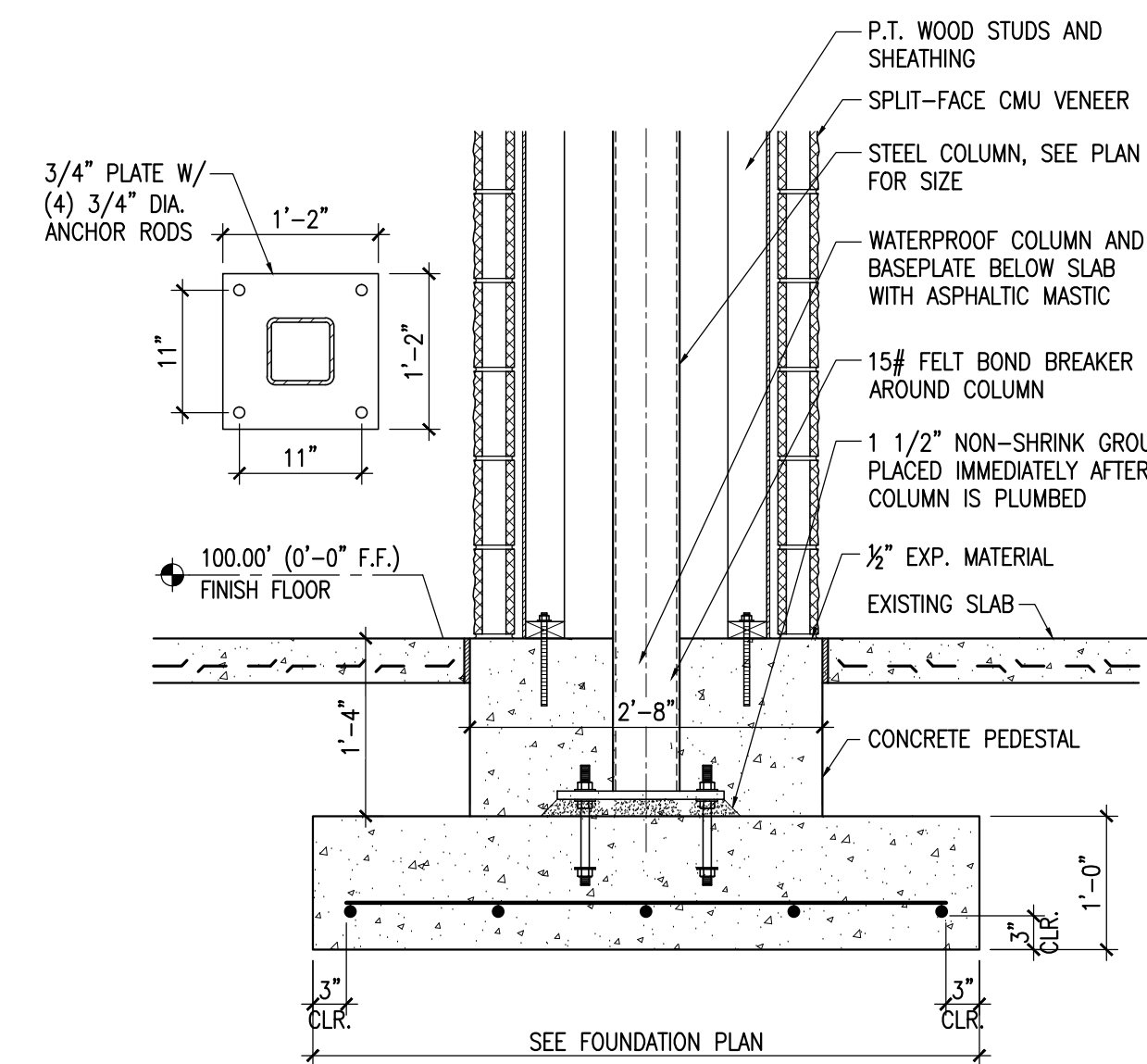
- 3.0 FOUNDATIONS.....
- 3.1 ALL EXTERIOR FOOTINGS OR PIERS SHALL BEAR ON UNDISTURBED SOIL AT OR BELOW LOCAL FROST LINE MINIMUM. LOCAL FROST LINE IS 30" BELOW GRADE. WHERE FOOTINGS ARE REQUIRED TO BE STEPPED, STEP DOWN IN VERTICAL INCREMENTS OF 2'-0" FOR EVERY 6'-0" MINIMUM OF HORIZONTAL DISTANCE. INTERIOR FOOTINGS SHALL BEAR ON UNDISTURBED SOIL AT THE ELEVATIONS INDICATED ON THE FOUNDATION PLAN.
- 3.2 COLUMN AND WALL FOOTINGS ARE TO BEAR ON FIRM NATURAL SOILS OR WELL COMPACTED ENGINEERED FILL WITH AN ASSUMED NET ALLOWABLE BEARING PRESSURE OF 2000 PSF FOR SPREAD FOOTINGS, AND 1500 PSF FOR CONTINUOUS WALL FOOTINGS. CONTRACTOR SHALL PROVIDE ON-SITE TESTING TO CONFIRM ADEQUATE SOIL BEARING CAPACITY.
- 3.3 ALL ENGINEERED FILL BENEATH SLABS AND OVER FOOTINGS SHOULD BE COMPACTED TO A DRY DENSITY OF AT LEAST 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557). ALL FILL WHICH WILL BE STRESSED BY FOUNDATION LOADS SHALL BE APPROVED GRANULAR MATERIALS COMPACTED TO A DRY DENSITY OF AT LEAST 98% (ASTM D-1557). COORDINATE ALL FILL AND COMPACTION OPERATIONS WITH THE SPECIFICATIONS AND THE SUBSURFACE INVESTIGATION.
- 3.4 COMPACTION SHALL BE ACCOMPLISHED BY PLACING FILL IN APPROXIMATELY 8" LIFTS AND MECHANICALLY COMPACTING EACH LIFT TO AT LEAST THE SPECIFIED MINIMUM DRY DENSITY. FOR LARGE AREAS OF FILL, FIELD DENSITY TESTS SHALL BE PERFORMED FOR EACH 3000 SQUARE FEET OF BUILDING AREA FOR EACH LIFT AS NECESSARY TO INSURE ADEQUATE COMPACTION IS BEING ACHIEVED.
- 3.5 RAKE EXCAVATED MATERIALS BACK 12" MINIMUM FROM EDGES OF ALL EXCAVATIONS TO PREVENT LOOSE SOIL FROM FALLING BACK INTO TRENCH.
- 3.6 PLACE FOOTINGS THE SAME DAY THAT THE EXCAVATION IS PERFORMED. IF THIS IS NOT POSSIBLE, THE FOOTINGS SHALL BE ADEQUATELY PROTECTED AGAINST ANY DETRIMENTAL CHANGE IN CONDITION SUCH AS FROM DISTURBANCES, RAIN, OR FREEZING.
- 4.0 CONCRETE.....
- 4.1 ALL EXTERIOR CONCRETE WORK SHALL BE 6 BAG, LIMESTONE AGGREGATE, 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI. ALL INTERIOR FLAT WORK CONCRETE SHALL BE 6 BAG, GRAVEL AGGREGATE, 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI. ALL FOOTINGS AND FOUNDATION WALLS SHALL BE GRAVEL AGGREGATE, 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.
- 4.2 CONCRETE FLOOR SLABS SHALL HAVE A FLAT FLOOR FINISH AS FOLLOWS: HARD CLOSED SMOOTH SURFACE WITH A MAXIMUM 1/8" GAP UNDER A 10'-0" STRAIGHT EDGE.
- 4.3 PROVIDE DEFORMED REINFORCING BARS PER ASTM A-615, GRADE 60, AND WELDED WIRE FABRIC PER ASTM A-185, UNLESS OTHERWISE NOTED. SUPPORT REINFORCING BARS WITH CONCRETE BRICKS OR METAL CHAIRS AS REQUIRED TO ACHIEVE CLEARANCES SHOWN ON DRAWINGS.
- 4.4 MINIMUM CONCRETE COVER OVER REINFORCEMENT STEEL SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE:
 CONCRETE CAST AGAINST EARTH 3"
 FORMED CONCRETE EXPOSED TO EARTH OR WEATHER 2"
 INTERIOR CONCRETE SLABS 3/4"
 INTERIOR BEAMS AND COLUMNS MAIN REINFORCEMENT 1 1/2"
- 4.5 ALL CONCRETE WORK AND MATERIALS SHALL COMPLY WITH APPLICABLE PROVISIONS OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", ACI 318, "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", AND "CONCRETE REINFORCING STEEL INSTITUTE (CRSI), MANUAL OF STANDARD PRACTICE."
- 4.6 COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI-306 AND HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI-305.
- 4.7 ALL CONCRETE EXPOSED TO WEATHER SHALL BE AIR-ENTRAINED.

- 5.0 WOOD.....
- 5.1 DIMENSIONAL LUMBER, WITH THE EXCEPTION OF NON-BEARING WALL STUDS, SHALL MEET THE MINIMUM PROPERTIES OF SPRUCE-PINE-FIR #2 UNLESS A HIGHER RATING IS INDICATED ON THE DRAWINGS. NON-LOAD BEARING WALL STUDS SHALL BE SPRUCE-PINE-FIR STUD GRADE.
- 5.2 PROVIDE SIMPSON WOOD CONNECTORS (OR EQUIVALENT APPROVED BY ENGINEER) AS INDICATED ON DRAWINGS OR OF AN APPROPRIATE SIZE AND CAPACITY FOR EACH PARTICULAR CONNECTION. CONTRACTOR SHALL INSTALL CONNECTORS ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS AND COORDINATE CONNECTOR FINISH WITH PRESERVATIVES USED IN PRESSURE TREATED WOOD.
- 5.3 CONTRACTOR SHALL COORDINATE NAIL AND FASTENER FINISH WITH PRESERVATIVES USED IN PRESSURE TREATED WOOD. FOR PRESSURE-TREATED WOOD WITHOUT AMMONIA, USE ZMAX/HD6 GALVANIZED CONNECTORS WITH GALVANIZED FASTENERS PER ASTM A153. FOR ALL OTHER PRESSURE-TREATED WOOD, USE STAINLESS STEEL CONNECTORS AND FASTENERS.
- 5.4 ROOF SHEATHING SHALL BE APA RATED EXTERIOR O.S.B. SHEATHING WITH A SPAN RATING OF AT LEAST 32/16. REFER TO DRAWINGS FOR FASTENER SIZE AND SPACING. ORIENT LONG DIRECTION OF ROOF SHEATHING PERPENDICULAR TO TRUSS SPAN.
- 5.5 EXTERIOR WALL SHEATHING SHALL BE APA RATED EXTERIOR O.S.B. SHEATHING WITH A SPAN RATING OF AT LEAST 24/0. REFER TO DRAWINGS FOR FASTENER SIZE AND SPACING. SPLICES IN CONTINUOUS DOUBLE 2x TOP PLATE PERMITTED ONLY ABOVE WALL STUDS, AND ONLY AT ONE PLATE AT ANY LOCATION.
- 6.0 PRE-ENGINEERED WOOD TRUSSES.....
- 6.1 PREFABRICATED WOOD TRUSSES SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE TIMBER CONSTRUCTION MANUAL BY THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC) AND THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE AMERICAN FOREST & PAPER ASSOCIATION (ANSI/NFOPA NDS) AND THE LATEST CRITERIA ESTABLISHED BY THE TRUSS PLATE INSTITUTE (TPI) AND THE WOOD TRUSS COUNCIL OF AMERICA.
- 6.2 TEMPORARY AND PERMANENT BRACING OF WOOD TRUSSES SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE COMMENTARY AND RECOMMENDATIONS FOR HANDLING, INSTALLING AND BRACING METAL PLATE CONNECTED WOOD TRUSSES.
- 6.3 WOOD ROOF TRUSSES SHALL BE DESIGNED TO SUPPORT THE SUPERIMPOSED LOADS PROVIDED IN THE DESIGN INFORMATION IN ADDITION TO THE SELF-WEIGHT OF THE TRUSSES.
- 6.4 TRUSS PLATES SHALL BE GALVANIZED STEEL AND SHALL BE APPLIED TO BOTH FACES OF THE MEMBERS BEING CONNECTED.
- 6.5 TRUSSES SHALL CONFORM TO THE GEOMETRY SHOWN. MINIMUM LUMBER SIZE FOR TOP AND BOTTOM CHORD MEMBERS SHALL BE 2" X 4" (NOMINAL). WEB MEMBER SIZE AND CONFIGURATION SHALL BE THE OPTION OF THE FABRICATOR.
- 6.6 THE TRUSS MANUFACTURER SHALL PROVIDE SHOP DRAWINGS TO THE STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION. THESE DRAWINGS SHALL SHOW THE DESIGN FORCES IN THE TRUSS MEMBERS, THE SIZE OF THE TRUSS PLATES, THE LUMBER SPECIES, AND COMMERCIAL GRADE OF LUMBER USED. THE TRUSS MANUFACTURER SHALL BE RESPONSIBLE FOR ALL DIMENSIONS AND ACCURACY OF TRUSSES FABRICATED. TRUSS DESIGN SHALL BE CERTIFIED BY THE FABRICATOR AND THE TRUSS DRAWINGS SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF INDIANA.
- 6.7 THE CONTRACTOR SHALL INSTALL ALL PERMANENT TRUSS BRACING AS SHOWN ON THE TRUSS MANUFACTURER'S SHOP DRAWINGS.

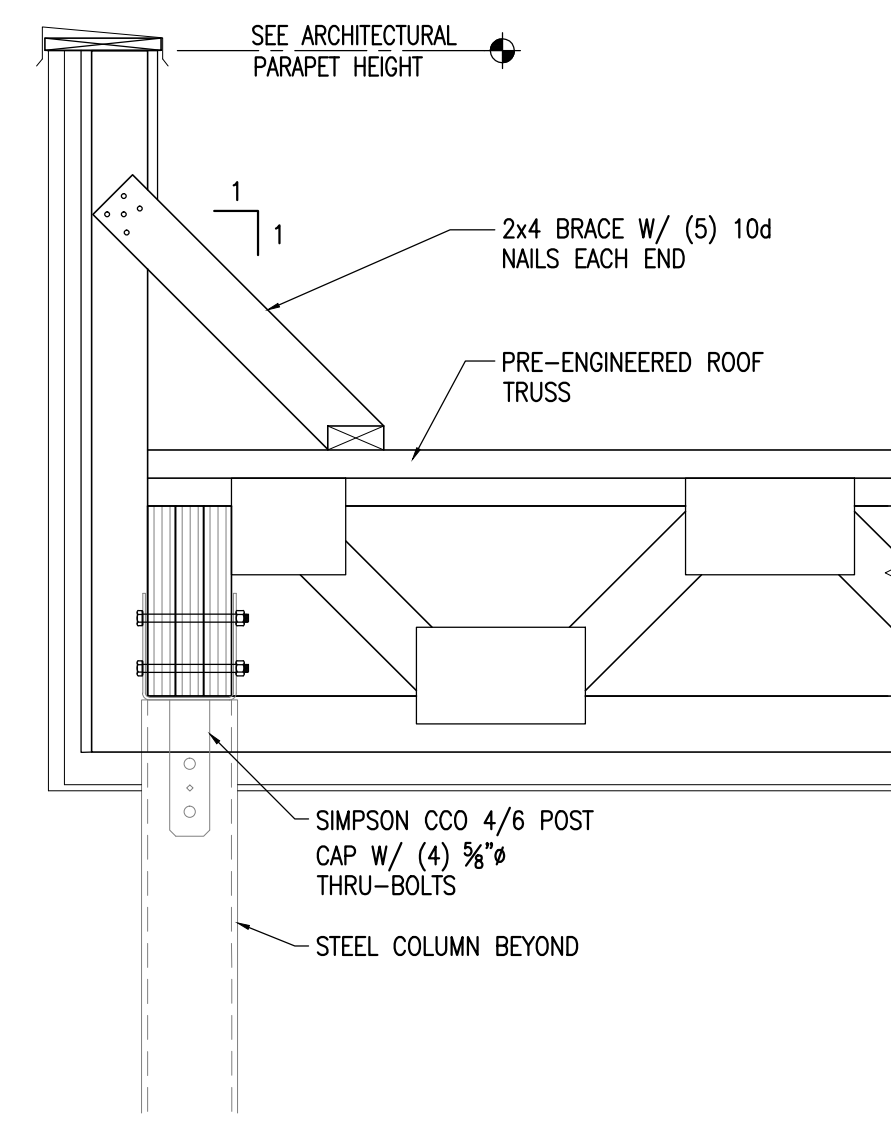
- 7.0 STRUCTURAL STEEL.....
- 7.1 STRUCTURAL STEEL SHALL MEET THE FOLLOWING MINIMUM YIELD STRENGTHS AND ASTM SPECIFICATIONS:
 OTHER SHAPES, BARS, PLATES YIELD 36 KSI ASTM SPEC. A36
 STRUCTURAL STEEL TUBING 48 KSI A500, GRADE B
 ANCHOR RODS 36 KSI F1554
- 7.2 ALL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE AISC MANUAL OF STEEL CONSTRUCTION.
- 7.3 ALL BOLTED CONNECTIONS SHALL BE MADE USING 3/4" DIA. ASTM A325 BOLTS INSTALLED SNUG TIGHT WITH 3" MIN. SPACING AND 1 1/4" MIN. EDGE DISTANCE, UNLESS OTHERWISE NOTED. REFER TO DRAWINGS FOR BOLT DIAMETER. BOLT HOLES SHALL BE SIZED 1/16" GREATER THAN BOLT DIAMETER, UNLESS NOTED OTHERWISE. BOLTED CONNECTIONS IN MOMENT FRAMES AND BRACING CONNECTIONS SHALL BE FULLY TENSIONED UTILIZING LOAD INDICATING WASHERS OR TWIST OFF BOLTS.
- 7.4 PROVIDE DOUBLE NUTS AND DOUBLE WASHERS FOR STEEL COLUMN ANCHOR RODS TO ALLOW FOR FIELD LEVELING OF BASE PLATES. FOR ANCHOR RODS 1 1/4" DIAMETER AND GREATER, PROVIDE HALF HEIGHT LEVELING NUTS.
- 7.5 FILL VOID BENEATH COLUMN BASE PLATES WITH 5000 PSI, NON-SHRINK, NON-METALLIC GROUT. GROUT SHALL BE PLACED IMMEDIATELY AFTER COLUMNS ARE PLUMBED AND BEFORE PLACEMENT OF FLOOR OR ROOF DECKS.
- 7.6 ALL WELDING SHALL BE AS PER THE AWS/AWS CODE, LATEST EDITION. THE WELD RODS SHALL BE E70XX, UNLESS NOTED OTHERWISE.
- 7.7 ALL FABRICATED STEEL SHALL BE FREE OF SHARP EDGES, AND ALL CONNECTIONS SHALL BE CLEANED PRIOR TO ATTACHMENT.
- 7.8 ALL STEEL SHALL BE PRIMED AND PAINTED WITH COLORS AND SPECIFICATIONS PER THE OWNER. CONNECTIONS SHALL BE FIELD PAINTED AFTER CONNECTION IS MADE.
- 7.9 PROVIDE SHOP DRAWINGS SHOWING ALL MEMBERS, SIZES, DIMENSIONS, CONNECTIONS, AND ALL OTHER PERTINENT INFORMATION. CONNECTIONS NOT DETAILED ON THESE PLANS SHALL BE DESIGNED BY STEEL FABRICATOR AND SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER. THE MINIMUM THICKNESS OF CONNECTION MATERIAL IS TO BE 3/8" UNLESS NOTED OTHERWISE.
- 7.10 FABRICATE BEAMS NOT SPECIFICALLY NOTED TO RECEIVE CAMBER SO THAT AFTER ERECTION, ANY MINOR CAMBER DUE TO ROLLING OR SHOP ASSEMBLY SHALL BE UPWARD.
- 7.11 PROVIDE CAP PLATES OR END PLATES TO CLOSE OFF EXPOSED AND OPEN ENDS OF ALL TUBULAR MEMBERS, UNLESS NOTED OTHERWISE.

DESIGN PARAMETERS

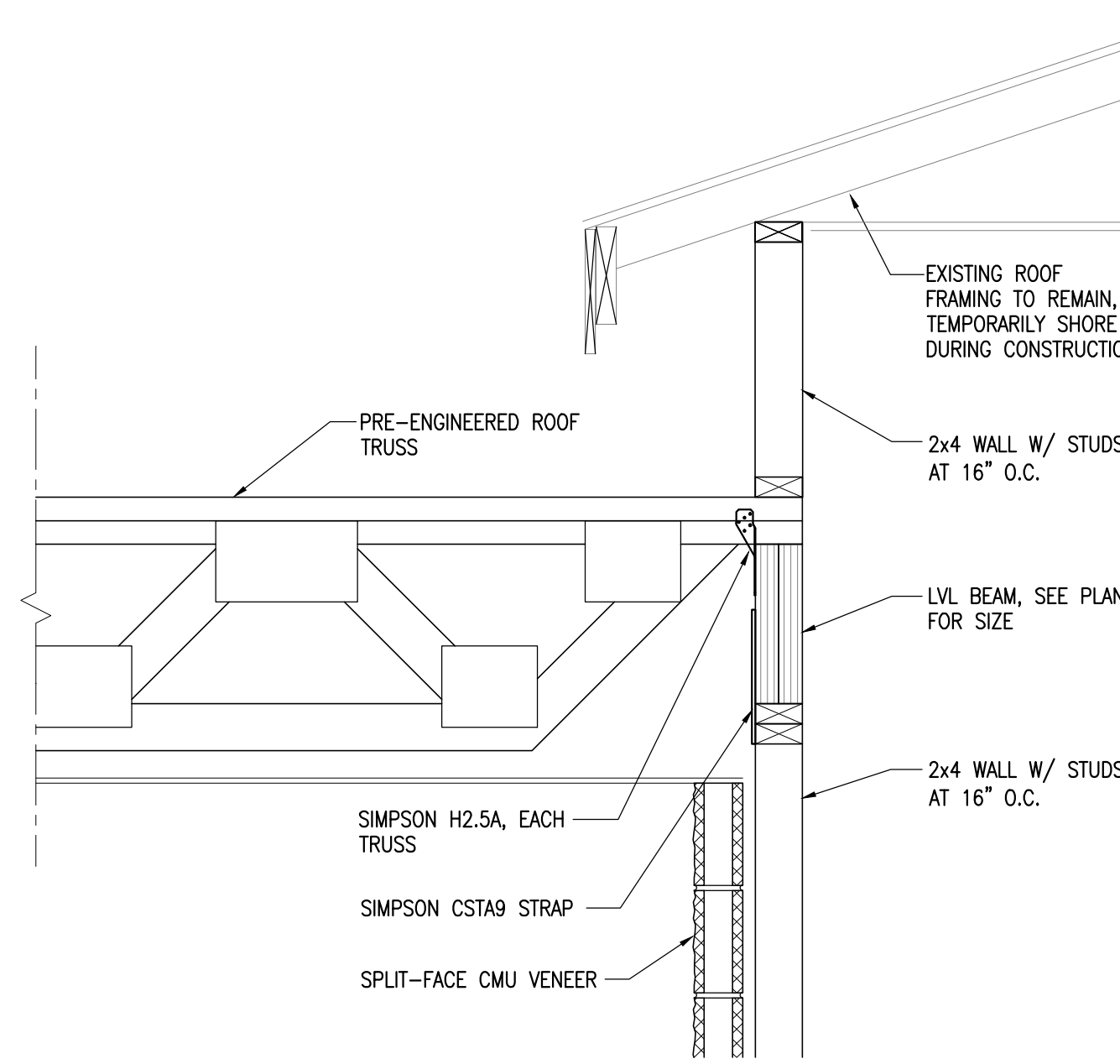
1. BUILDING CODE	2014 INDIANA BUILDING CODE (2012 IBC)
2. RISK CATEGORY	II
3. ROOF DEAD LOAD	20 PSF
4. ROOF LIVE LOAD	20 PSF
5. SNOW LOADS	
GROUND SNOW LOAD	20 PSF
SNOW IMPORTANCE FACTOR	1.0
SNOW DRIFT	46 PSF
6. WIND LOADS	
DESIGN WIND SPEED	115 MPH (3--SECOND GUST)
EXPOSURE CATEGORY	"C"
7. SEISMIC LOADS	
SPECTRAL ACCELERATION (SHORT PERIOD)	0.173
SPECTRAL ACCELERATION (1--SEC PERIOD)	0.086
SEISMIC IMPORTANCE FACTOR	1.0
SOIL SITE CLASS	"D" (ASSUMED)
SEISMIC DESIGN CATEGORY	"C"



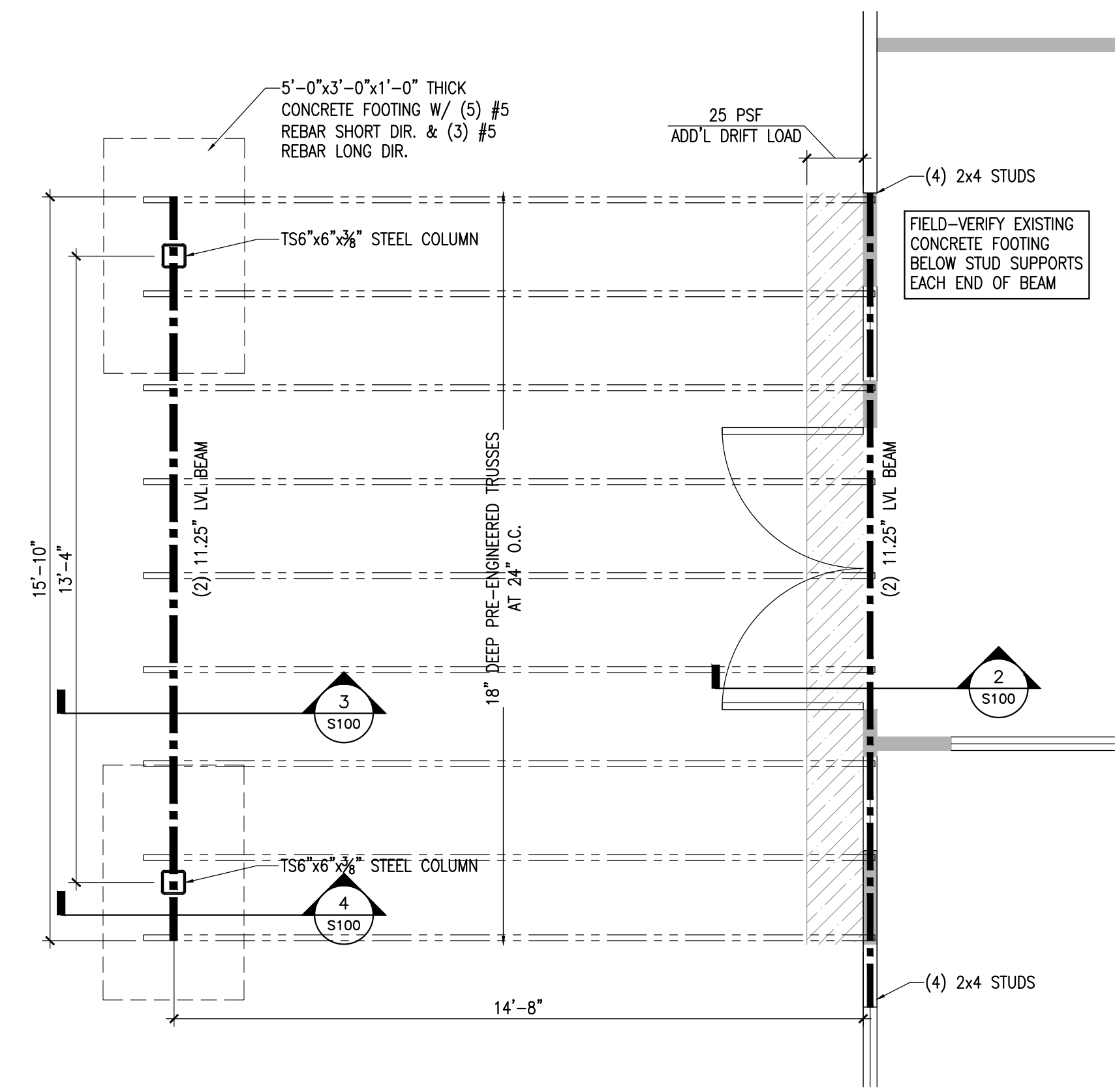
4 CANOPY COLUMN FOUNDATION
SCALE: 3/4"=1'-0"



3 CANOPY PARAPET DETAIL
SCALE: 1"=1'-0"



2 CANOPY TRUSS BEARING
SCALE: 1"=1'-0"



1 CANOPY FOUNDATION AND FRAMING PLAN
SCALE: 3/8"=1'-0"



PROJECT TITLE:
AUTO EXPRESS SALES OFFICE
2306 VETERANS MEMORIAL PARKWAY SOUTH
LAFAYETTE, IN 47909

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PROJECT DATE:
09/16/2016

No.	DESCRIPTION	DRAWN BY	DATE ISSUED

PROJECT NUMBER:
A2016.077

DRAWN BY:
JAN

DRAWING TITLE:
CANOPY STRUCTURAL PLAN

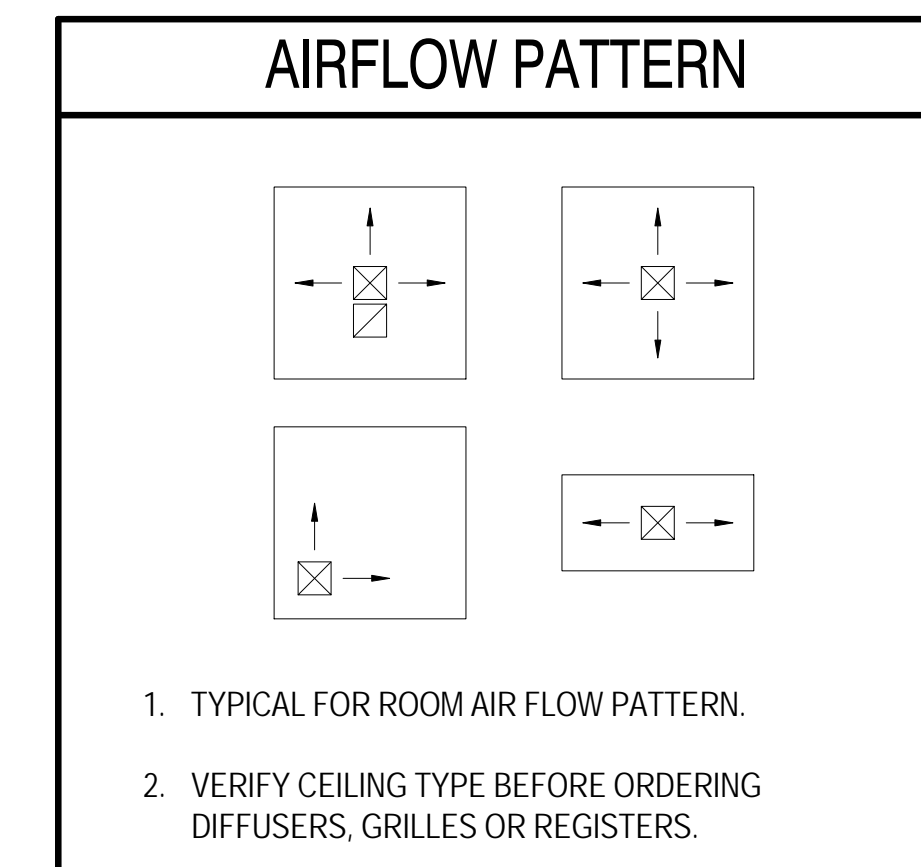
SHEET NUMBER:
S100

LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	SECTION (DUCT RISER) - SUPPLY AIR DUCT		UNDERCUT
	SECTION (DUCT RISER) - RETURN AIR DUCT		DOOR LOUVER
	SECTION (DUCT RISER) - EXHAUST AIR DUCT		FIRE DAMPER (FD)
	SECTION (DUCT RISER) - ROUND DUCT		FIRE SMOKE DAMPER (FSD)
	SECTION (DUCT TO BELOW)-SUPPLY AIR DUCT		SMOKE DAMPER (SD)
	SECTION (DUCT TO BELOW)-RETURN AIR DUCT		DUCT SMOKE DETECTOR (DSD)
	SECTION (DUCT TO BELOW)-EXHAUST AIR DUCT		MOTORIZED DAMPER
	SECTION (DUCT TO BELOW)-ROUND DUCT		ROOM TEMPERATURE SENSOR/THERMOSTAT
	SUPPLY AIR DIFFUSER (T-BAR MOUNT)		HUMIDISTAT SENSOR
	RETURN AIR GRILLE (T-BAR MOUNT)		OXYGEN SENSOR
	EXHAUST AIR GRILLE (T-BAR MOUNT)		CARBON DIOXIDE SENSOR
	SUPPLY AIR DIFFUSER (SURFACE MOUNT)		STATIC PRESSURE
	RETURN AIR GRILLE (SURFACE MOUNT)		SWITCH
	EXHAUST AIR GRILLE (SURFACE MOUNT)		CUBIC FEET PER MINUTE OF AIRFLOW
	MANUAL BALANCING DAMPER		THERMOMETER STEM TYPE
	DUCT WITH TURNING VANES		PRESSURE GAGE
	FLEXIBLE DUCT/PIPE CONNECTION		FLOW METER
	POINT OF CONNECTION		UNION
	POINT OF REMOVAL		
	FLEXIBLE DUCT		

GENERAL NOTES	
1. DUCT FABRICATION AND INSTALLATION SHALL CONFORM TO THE "HVAC DUCT CONSTRUCTION STANDARDS" AS PUBLISHED BY S.M.A.C.N.A. LATEST EDITION.	7. CONSTRUCTION PRESSURE CLASSIFICATION: SUPPLY & RETURN DUCT TO BE 1" STATIC PRESSURE CONSTRUCTION. DUCT LEAKAGE TEST NOT REQUIRED. RETURN AND EXHAUST DUCT TO BE 1" STATIC PRESSURE CONSTRUCTION, UNLESS OTHERWISE NOTED. DUCT LEAKAGE TEST NOT REQUIRED UNLESS OTHERWISE NOTED.
2. ALL BRANCHES TO DIFFUSERS AND REGISTERS SHALL BE SUPPLIED WITH MANUAL VOLUME DAMPERS. ALL DAMPERS THAT ARE INACCESSIBLE SHALL BE PROVIDED WITH REMOTE OPERATORS SIMILAR TO VENTLOK 677-PLAIN FINISH.	8. DIMENSIONS SHOWN ON DRAWINGS ARE CLEAR INSIDE DIMENSION.
3. ALL MISCELLANEOUS METAL, ANGLES, BRACING OR SUPPORTS EXPOSED TO THE WEATHER SHALL BE GALVANIZED IRON OR BLACK IRON PAINTED WITH ONE COAT OF RUST INHIBITING PAINT AND ONE COAT OF GRAY PRIMER.	9. FOR AV ROOMS THE REFRIGERANT SUPPLY AND SUCTION LINES, THE POWER AND CONTROL CABLES AND THE CONDENSATE DRAIN PIPING SHALL BE CONTAINED IN A SINGLE CONDUIT PENETRATION.
4. PENETRATIONS IN FIRE-RESISTIVE WALLS, PARTITIONS AND FLOORS WHERE PROTECTED OPENINGS ARE REQUIRED SHALL BE FIRE STOPPED USING APPROVED MATERIALS, INTEGRITY AND PREVENTING THE MOVEMENT OF HOT FLAMES OR GASES THROUGH THE VOID SPACES BETWEEN PENETRATING MATERIALS AND WALLS, PARTITIONS AND FLOORS WHEN TESTED IN ACCORDANCE WITH ASTM STANDARD E-814 OR U.L. STANDARD 1479.	10. ALL ADHESIVES AND SEALANTS SHALL MEET THE REQUIREMENTS OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQM/D) RULE #1168. AEROSOL ADHESIVES SHALL MEET GREEN SEAL STANDARD FOR COMMERCIAL ADHESIVES GS-36 REQUIREMENTS.
5. ALL SUPPLY AND RETURN DUCTWORK AND PIPING SHALL BE INSULATED. INSULATION SHALL HAVE A FLAME SPREAD OF NOT MORE THAN 25 AND A SMOKE DEVELOPED RATING OF NOT MORE THAN 50 WHEN TESTED AS A COMPOSITE INSTALLATION INCLUDING INSULATION FACING MATERIALS, TAPES AND ADHESIVE.	11. ALL EQUIPMENT SHALL BE PROVIDED WITH THE MANUFACTURER'S HIGHEST EFFICIENCY MOTOR OPTION.
6. FLEXIBLE DUCTS SHALL BE SUPPORTED AT OR NEAR MID-LENGTH WITH 2" WIDE 28 GAUGE STEEL HANGER COLLAR ATTACHED TO THE STRUCTURE WITH AN APPROVED DUCT HANGER. INSTALLATION SHALL MINIMIZE SHARP RADIUS TURNS OR OFFSETS. THE MAXIMUM LENGTH CONNECTING TO TERMINAL OUTLETS SHALL BE 6'-0".	12. ROUND DUCT MAY BE USED IN PLACE OF SQUARE OR RECTANGULAR DUCT. ROUND DUCT SHALL BE SIZED USING A DUCTULATOR WITH A FRICTION LOSS OF 0.08" TO 0.10" PER 100 FEET OF DUCT.
	13. ALL WORK SHALL CONFORM TO THE LATEST INTERNATIONAL MECHANICAL CODE.

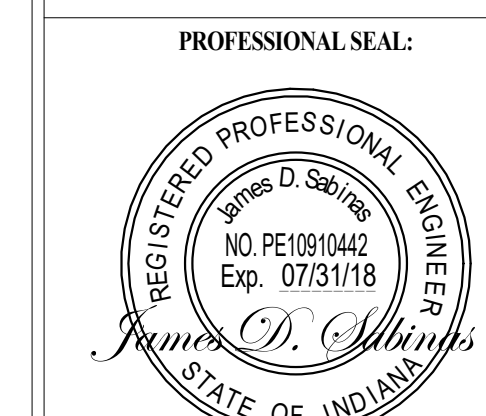
ABBREVIATIONS			
ABBREVIATIONS	DESCRIPTION	ABBREVIATIONS	DESCRIPTION
A	AMPS	LDB	LEAVING DRY BULB TEMPERATURE
AC	AIR CONDITIONER	lps	LITERS PER SECOND
AMB	AMBIENT	LVG	LEAVING
APD	AIR PRESSURE DROP	LWB	LEAVING WET BULB TEMPERATURE
APPROX.	APPROXIMATE	LWT	LEAVING WATER TEMPERATURE
ATFP	ANTI TERRORISM FORCE PROTECTION	MAX	MAXIMUM
BTUH	BRITISH THERMAL UNITS PER HOUR	MBH	1,000 BRITISH THERMAL UNITS PER HOUR
C	CENTIGRADE	MCA	MAXIMUM CURRENT AMPS
CAP	CAPACITY	MERV	MINIMUM EFFICIENCY REPORTING VALUE
CC	COOLING COIL	MFG	MANUFACTURER
CFM	CUBIC FEET PER MINUTE	MIN	MINIMUM
CHW	CHILLED WATER	mm	MILLIMETER
CHWR	CHILLED WATER RETURN	MOCP	MAXIMUM OVERCURRENT PROTECTION
CHWS	CHILLED WATER SUPPLY	MPS	MEDIUM PRESSURE STEAM
COP	COEFFICIENT OF PERFORMANCE	MTD	MOUNTED
CR	CONDENSATE RETURN	MU	MAKE-UP
CU	CONDENSING UNIT	NC	NOISE CRITERION
CW	COLD WATER	NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION
DDC	DIRECT DIGITAL CONTROL	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
D/L	DOOR LOUVER	NMCI	NAVY MARINE CORPS INTRANET
DSD	DUCT SMOKE DETECTOR	O & M	OPERATION AND MAINTENANCE
DX	DIRECT EXPANSION	OB	OPPOSED BLADE DAMPER
(E)	EXISTING	OSA	OUTSIDE AIR
EA	EXHAUST AIR	Pa	PASCALS
EAT	ENTERING AIR TEMPERATURE	PD	PRESSURE DROP
EDB	ENTERING DRY BULB TEMPERATURE	PH	PHASE
EER	ENERGY EFFICIENCY RATIO	PRV	PRESSURE REDUCING/RELIEF VALVE
EF	EXHAUST FAN	PSI	POUNDS PER SQUARE INCH
EL	EXPANSION LOOP	QTY	QUANTITY
ENT	ENTERING	RA	RETURN AIR
EQUIP	EQUIPMENT	REF	REFERENCE
ESP	EXTERNAL STATIC PRESSURE	REQ'D	REQUIRED
EWB	ENTERING WET BULB TEMPERATURE	RF	RETURN FAN
EWT	ENTERING WATER TEMPERATURE	RLA	RUNNING LOAD AMPS
F	FAHRENHEIT	RP	RECIRCULATING PUMP
FC	FAN COIL	RPM	REVOLUTIONS PER MINUTE
FLA	FULL LOAD AMPS	SA	SUPPLY AIR
FT HD	FOOT HEAD	SEER	SEASONAL ENERGY EFFICIENCY RATIO
GAL	GALLON	SF	SUPPLY FAN
GALV	GALVANIZED	SJ	SEISMIC JOINT
GLYR	GLYCOL RETURN	SMACNA	SHEET METAL AND AIR CONDITIONING CONTRACTORS' NATIONAL ASSOCIATION
GLYS	GLYCOL SUPPLY	SQ FT	SQUARE FEET
GPM	GALLONS PER MINUTE	T	TRAP
HHW	HEATING HOT WATER	TAB	TEST AND BALANCE
HHWR	HEATING HOT WATER RETURN	TSP	TOTAL STATIC PRESSURE
HHWS	HEATING HOT WATER SUPPLY	T'STAT	THERMOSTAT
HP	HEAT PUMP	TYP	TYPICAL
HP	HORSEPOWER	U/C	UNDERCUT
HR	HOUR	U/G	UNDERGROUND
HSPF	HEATING SEASONAL PERFORMANCE FACTOR	UFC	UNIFIED FACILITIES CRITERIA
HV	HEAT VENTILATOR	UON	UNLESS OTHERWISE NOTED
HW	HOT WATER	V	VOLTAGE/VOLTS
HX	HEAT EXCHANGER	VAV	VARIABLE AIR VOLUME
Hz	HERTZ	VE	VEHICLE EXHAUST SYSTEM
in-wg	INCHES WATER GAUGE	VFD	VARIABLE FREQUENCY DRIVE
in (")	INCHES	W/	WITH
IPLV	INTEGRATED PART LOAD VALUE	WB	WET BULB
IRH	INFARED HEATER	WPD	WATER PRESSURE DROP
LAT	LEAVING AIR TEMPERATURE		
LBS	POUNDS		

FLEX DUCT SCHEDULE	
MAX AIRFLOW (CFM)	SIZE (ø)
100	6
150	7
200	8
300	9
400	10
600	12
1000	14
1500	16



PROJECT TITLE:
**AUTO EXPRESS GARAGE ADDITION
PHASE 2**
2306 VETERANS MEMORIAL PARKWAY SOUTH
LAFAYETTE, IN 47909

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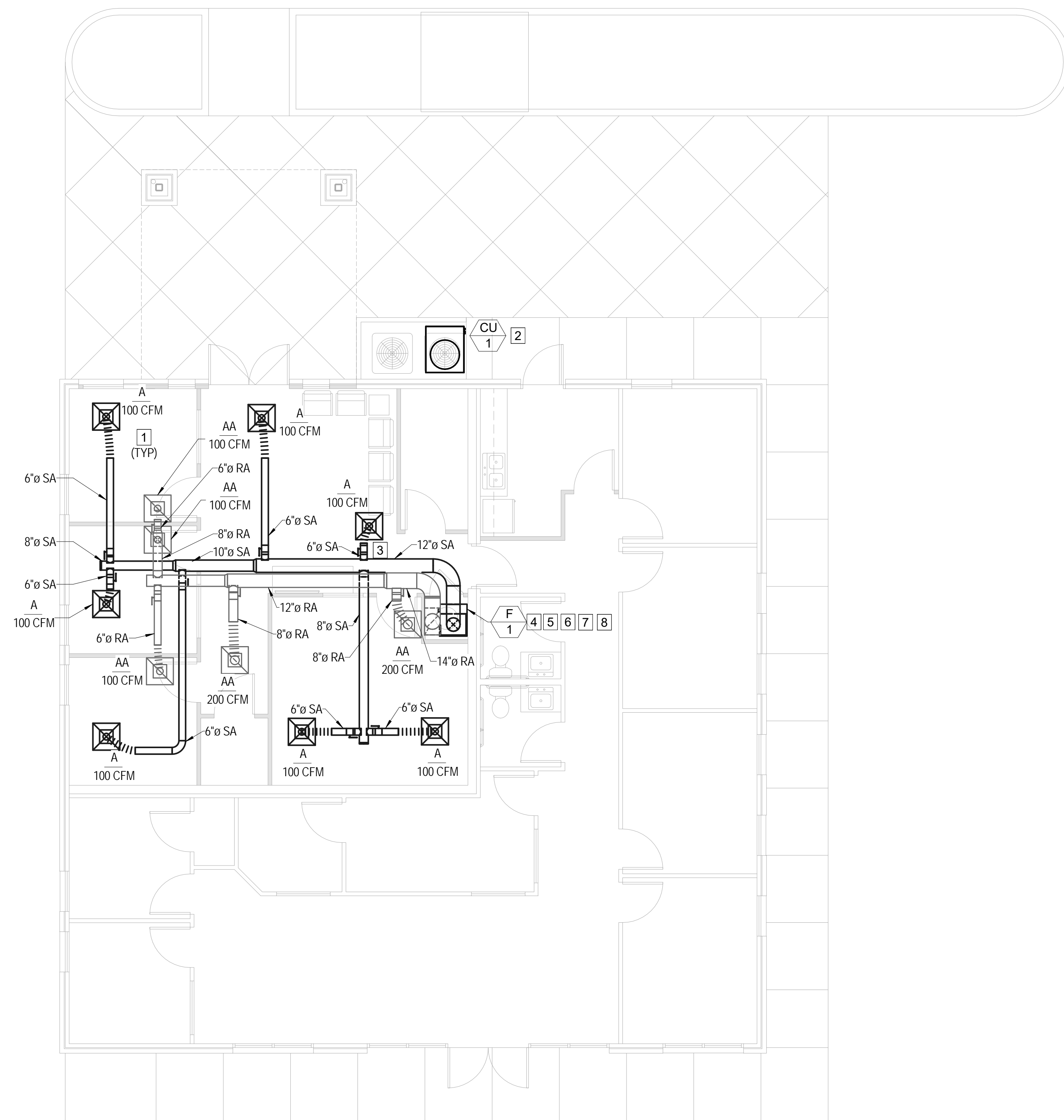
PROJECT DATE:
08/22/16

NO.	DESCRIPTION	DRAWN BY	DATE

PROJECT NUMBER: A2016.077 DRAWN BY: KC

DRAWING TITLE:
**MECHANICAL
FLOOR PLAN**

SHEET NUMBER:
M001



KEY NOTES:

- 1 FOR AIR DISTRIBUTION, SEE 1/M601.
- 2 FOR EQUIPMENT MOUNTING, SEE 2/M601.
- 3 FOR DUCT TAKE-OFFS, SEE 3/M601.
- 4 INSTALL FURNACE VENT AND COMBUSTION AIR WITH PVC PIPING PER MANUFACTURER INSTRUCTIONS.
- 5 PROVIDE AND INSTALL REFRIGERANT PIPING PER MANUFACTURER'S INSTRUCTIONS.
- 6 INSTALL FURNACE SIMILAR TO 2/M601.
- 7 ROUTE GAS PIPE TO NEAREST MAIN.
- 8 PROVIDE CONDENSATE PUMP, PIPE TO NEAREST DRAIN LINE.

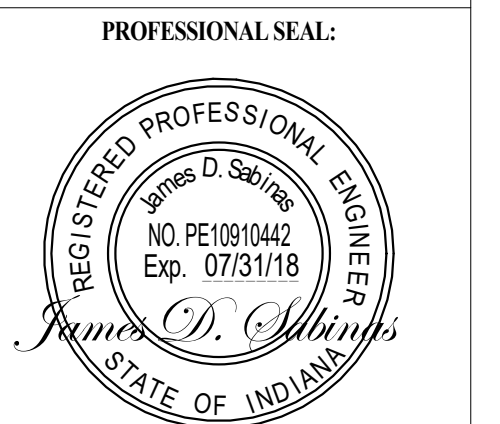


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PROJECT TITLE:
**AUTO EXPRESS GARAGE ADDITION
 PHASE 2**

2306 VETERANS MEMORIAL PARKWAY SOUTH
 LAFAYETTE, IN 47909

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PROJECT DATE:
08/22/16

No.	DESCRIPTION	DRAWN BY:	DATE ISSUED:

PROJECT NUMBER: A2016.077 **DRAWN BY:** KC

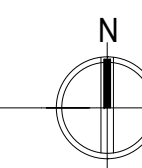
DRAWING TITLE:
**MECHANICAL
 FLOOR PLAN**

SHEET NUMBER:
M101

1
M101

MECHANICAL FLOOR PLAN

SCALE: 3/32" = 1' - 0"





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AIR CONDITIONER EQUIPMENT SCHEDULE

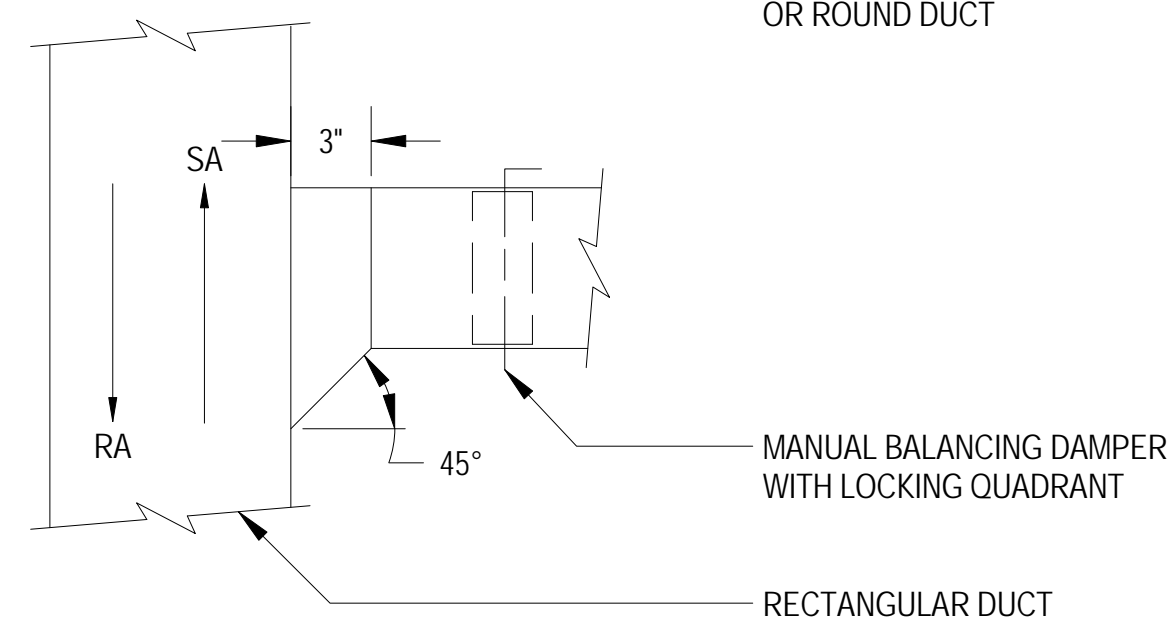
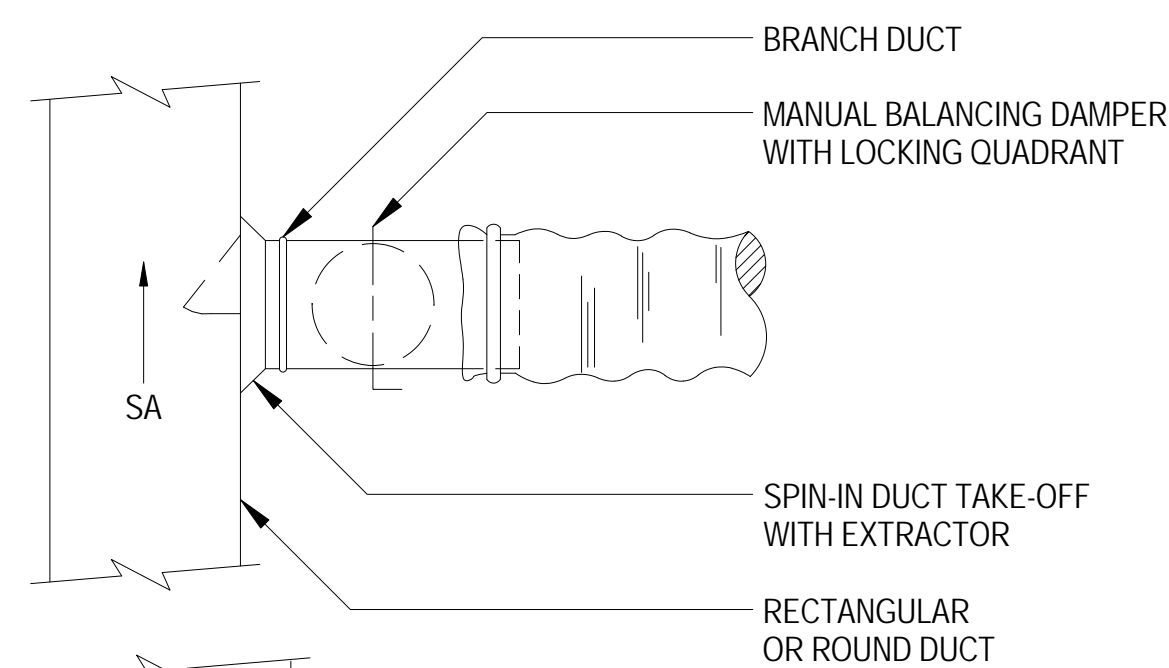
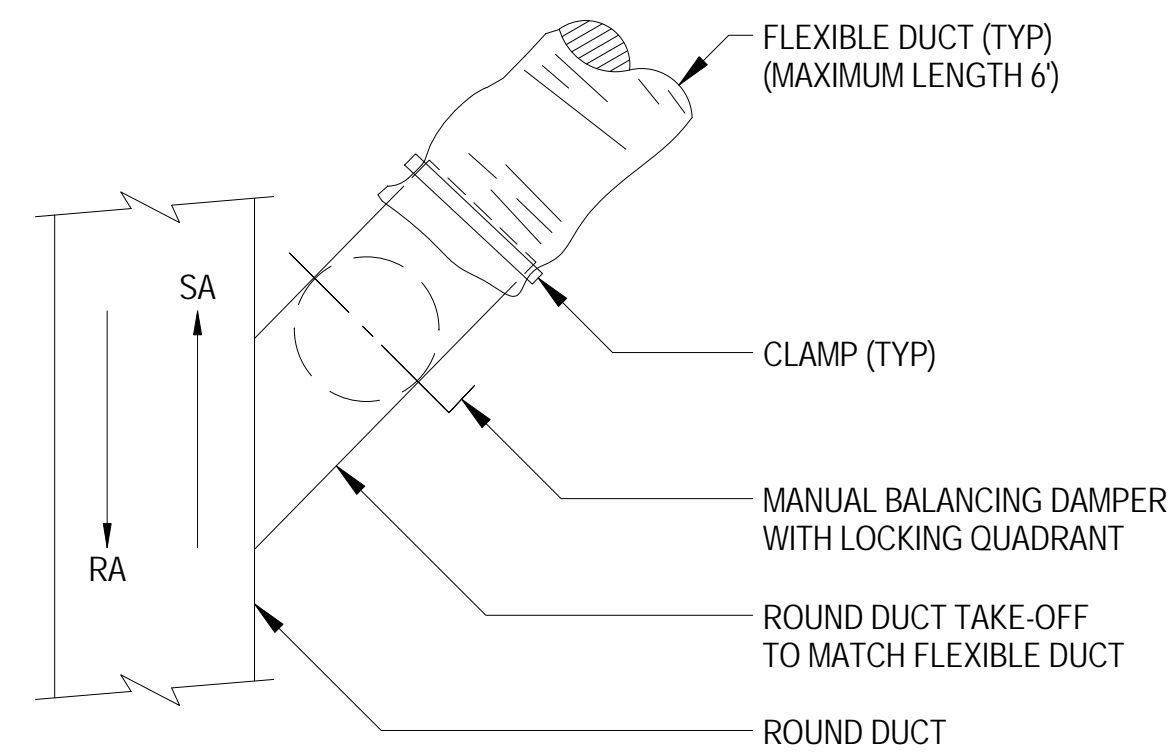
SYMBOL	DESCRIPTION	SUPPLY FAN		SUPPLY FAN		EXHAUST FAN			CAPACITIES								AIR TEMPERATURES (°F)						MIN OA (CFM)	APPROX WEIGHT (LBS)	REMARKS					
		MCA	MOP	HP	VOLTS	PHASE	HP	VOLTS	PHASE	SENSIBLE (MBH)	TOTAL (MBH)	HEATING (MBH)	SF FLOW (CFM)	SF ESP (INH2O)	EF FLOW (CFM)	EF ESP (INH2O)	AMBIENT		COOLING COIL							HEATING		AIR FILTERS		
																	SUMMER DB	WINTER WB	EDB	EWB	LDB	LWB				EDB	LDB	QTY	SIZE	
F 1	FURNACE TRANE: XXX	--	--	-	208	1	1	-	-	18	24	75	800	0.8	-	-	88	74	-3	80	67	55	54	42	90	-	-	150	150	UPFLOW FURNACE WITH A-COIL AND THERMOSTAT. EFFICIENCY: AFUE = 90%
CU 1	CONDENSING UNIT TRANE: XXX	--	--	-	208	1	1	-	-	18	24	75	-	-	-	-	88	74	-3	-	-	-	-	-	-	-	-	400	400	CONDENSING UNIT EFFICIENCY: SEER = 14

AIR DISTRIBUTION SCHEDULE

SYMBOL	MAKE & MODEL	AIRFLOW (CFM)	SIZE (IN)	REMARKS
A	KRUEGER SERIES 1240	100 - 200	8x8	STEEL SUPPLY DIFFUSER WITH WHITE FINISH, NO OBDs, 24x24 FILLER PANEL FOR T-BAR MOUNTING (WHERE REQUIRED)
AA	KRUEGER SERIES S80H	100 - 250	10x10	STEEL RETURN REGISTER WITH WHITE FINISH, NO OBDs, 24x24 FILLER PANEL FOR T-BAR MOUNTING (WHERE REQUIRED)

NOTES:

- ALL BRANCH TAKE-OFFS TO BE INSTALLED PER SMACNA DUCT CONSTRUCTION STANDARDS.
- ALL MANUAL BALANCING DAMPERS ON SUPPLY AIR DUCT SERVING VAV BOXES TO BE LOCKED IN OPEN POSITION WITH SCREW THROUGH HANDLE.



DUCT TAKE-OFFS

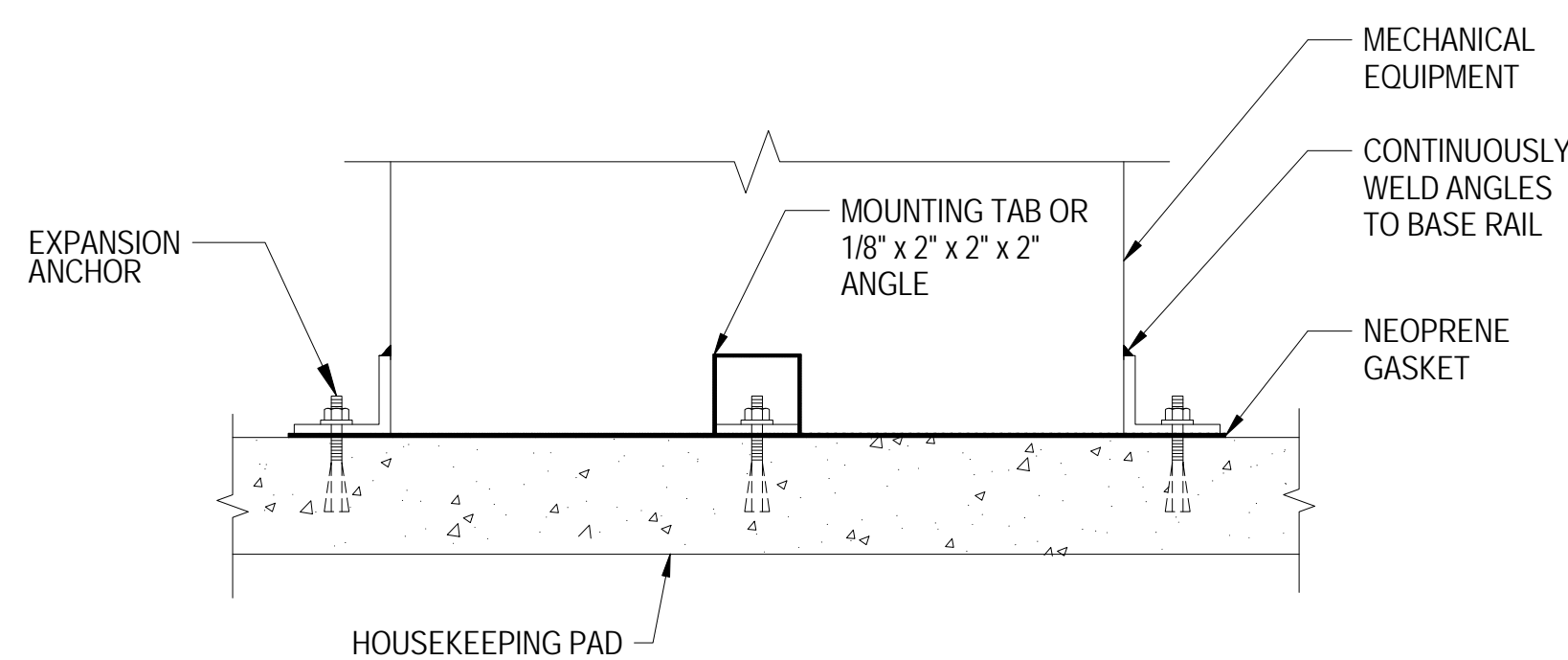
NO SCALE

TYP 3

CONDENSING UNIT MOUNTING

NO SCALE

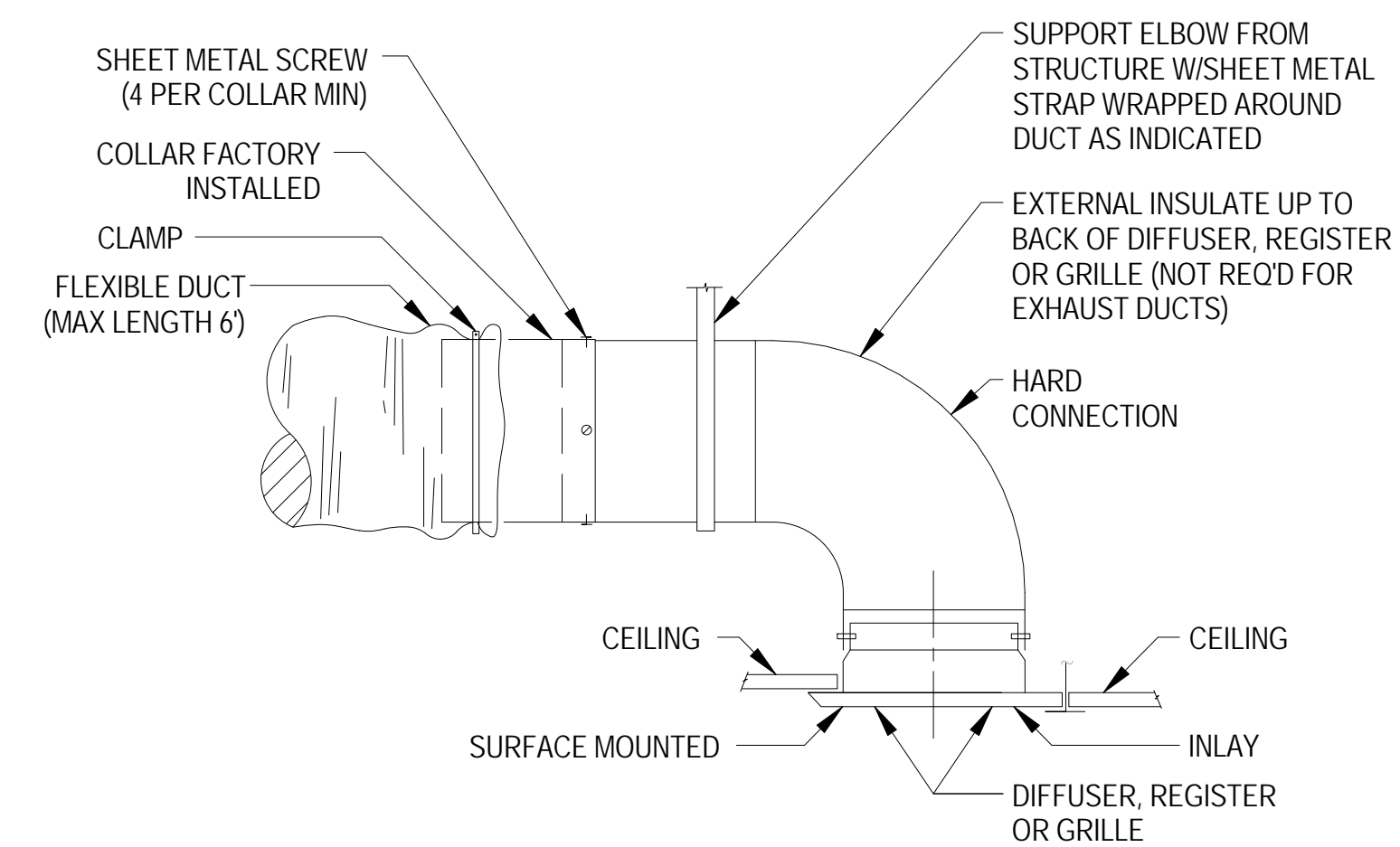
TYP 2



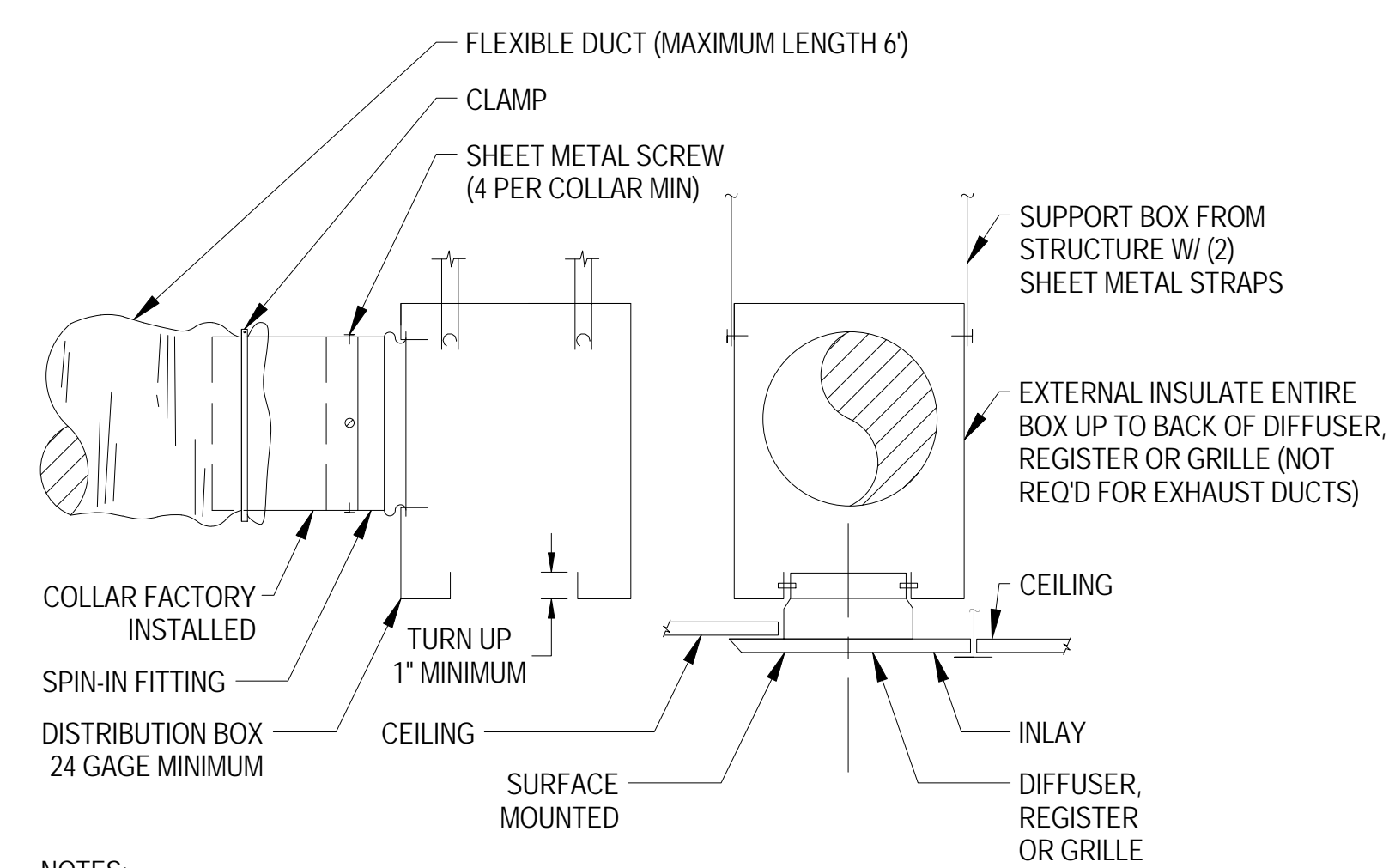
AIR DISTRIBUTION CONNECTION

NO SCALE

TYP 1



-----OR-----



- NOTES:
FLEXIBLE DUCT MUST BE SEALED TO COLLAR.

PROJECT TITLE:
**AUTO EXPRESS GARAGE ADDITION
PHASE 2**

2306 VETERANS MEMORIAL PARKWAY SOUTH
LAFAYETTE, IN 47909

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PROFESSIONAL SEAL:



PROJECT DATE:
08/22/16

No.	DESCRIPTION	DRAWN BY	DATE

PROJECT NUMBER:
A2016.077

DRAWN BY:
KC

DRAWING TITLE:
**MECHANICAL
DETAILS &
SCHEDULES**

SHEET NUMBER:

M601

ELECTRICAL SYMBOL LIST:

A	LIGHTING FIXTURE SCHEDULE REFERENCE
1	SHEET NOTE REFERENCE
	DETAIL NUMBER DESIGNATION
	SHEET DETAIL REFERENCED FROM
	LIGHTING FIXTURE
	INDUSTRIAL EMERGENCY LIGHTING UNIT.
	LIGHTING FIXTURE, WALL MOUNTED AT HEIGHT NOTED.
	STRIP LIGHTING FIXTURE.
	COVE LIGHTING FIXTURE AND SUPPORT.
	TAPE TYPE LED LIGHTING.
	LIGHTED EXIT SIGN. TOP MOUNTED ON CEILING OR STEM MOUNTED SHADED SIDE INDICATES FACE. PROVIDE ARROWS WHERE SHOWN TO INDICATE DIRECTION OF TRAVEL.
	DOUBLE SIDED EXIT SIGN. PROVIDE ARROWS WHERE SHOWN TO INDICATE DIRECTION OF TRAVEL.
	WALL MOUNTED EXIT SIGN. PROVIDE ARROWS WHERE SHOWN TO INDICATE DIRECTION OF TRAVEL.
	FLUSH SWITCH, SUBSCRIPT ADJACENT TO SWITCHES INDICATE: a,b,c etc. = FIXTURE CONTROLLED 2 = DOUBLE POLE 3 = THREE WAY T = MANUAL MOTOR STARTER WITH THERMAL OVERLOADS. LV = LOW VOLTAGE M = MOTION SENSOR
	SURFACE MOUNTED TOGGLE SWITCH, MOUNTED AT +46"(1150mm) UON.
a,b,c	INDICATES MULTIPLE SWITCHES IN GANGED BOX WITH COMMON COVERPLATE. "a,b,c" INDICATES NUMBER OF INDIVIDUAL SWITCHES AND FIXTURES CONTROL. FOR SINGLE LIGHT FIXTURE (3) LAMPS: a - (1) CENTRAL LAMP b - (2) OUTER LAMPS
a	INDICATES SWITCHES a MOUNTED IN SEPARATE BOXES WITH SEPARATE COVERPLATES.
	FUSED SAFETY DISCONNECT SWITCH.
	NON-FUSED SAFETY DISCONNECT SWITCH.
	COMBINATION FUSED OR CIRCUIT BREAKER DISCONNECT STARTER.
	INTERIOR PHOTOCCELL.
GFI	DUPLEX RECEPTACLE, WALL MOUNTED AT +18"(450mm) UON. "GFI" INDICATES GROUND FAULT INTERRUPTER TYPE. WP INDICATES WEATHER PROOF (WHERE OCCURS).
	DOUBLE DUPLEX RECEPTACLE (FOURPLEX) IN TWO GANG BOX AT +18"(450mm) UON
	DUPLEX RECEPTACLE WALL MOUNTED AT 6"(150mm) ABOVE COUNTER BACKSPLASH OR +42"(1050mm) A.F.F.
	SPECIAL OUTLET.
	WALL TELEPHONE OUTLET WALL MOUNTED AT +54"(450mm) UON
	COMBINATION TELEPHONE/DATA OUTLET. EACH OUTLET SHALL HAVE (2) 8-PIN RJ-45 REGISTERED JACKS WITH 1" CONDUIT AND 4" SQUARE J-BOX. WALL MOUNTED AT +18"(450mm) UON.
	COMBINATION TELEPHONE/DATA OUTLET. EACH OUTLET SHALL HAVE (4) 8-PIN RJ-45 REGISTERED JACKS WITH 1-1/4" CONDUIT AND 5" SQUARE J-BOX. WALL MOUNTED AT +18"(450mm) UON.
	CABLE TELEVISION OUTLET MOUNTED AT HEIGHT NOTED.
	FUTURE CCTV CAMERA. PROVIDE J-BOX WITH 3/4" CONDUIT ROUTED TO NEAREST COMM ROOM.
	FLOOR OUTLET.

	HOMERUN TO PANEL BOARD. CROSSMARKS DENOTE QUANTITY OF #12 PHASE AND NEUTRAL WIRES ONLY IN BRANCH CIRCUIT CONDUIT. NUMBER ADJACENT TO CROSSMARKS DENOTES WIRE SIZE OTHER THAN #12.
	TRANSIENT VOLTAGE SURFACE SUPPRESSION.
	GROUND FAULT PROTECTION.
	DISTRIBUTION PANEL OR SWITCHBOARD. DASHED LINE INDICATES NEC REQUIRED CLEARANCE.
	PANEL BOARD.
	LOW VOLTAGE PANEL.
	FIRE ALARM MASS NOTIFICATION LOCAL OPERATOR CONSOLE.
	LIGHTING CONTROL PANEL.
	TRANSFORMER.
	MOTOR CONNECTION.
	JUNCTION OR OUTLET BOX.
	GROUNDING ELECTRODE.
	CIRCUIT BREAKER.
	FUSED SWITCH.
	KILOWATT HOUR METER.
	STEP DOWN TRANSFORMER.
	GROUND BUS BAR.

	SMOKE DETECTOR
	HEAT DETECTOR
	AUDIOVISUAL ALARM
	VISUAL ALARM
	AUDIO ALARM
	MANUAL PULL STATION
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUCIATOR PANEL

ABBREVIATIONS

A	AMPERES
AFF	ABOVE FINISHED FLOOR
AIC	AMPERES INTERRUPTING CAPACITY
BSC	BARE STRANDED COPPER
C	CONDUIT
C/B	CIRCUIT BREAKER
C.O.	CONDUIT ONLY
CX	CONNECT TO EXISTING CIRCUIT
E.D.F.	ELECTRIC DRINKING FOUNTAIN
E.EM	EMERGENCY SERVICE
E.G.	EQUIPMENT GROUND
ERU	EMERGENCY RETURN UNIT
E.W.C.	ELECTRIC WATER COOLER
EXT. EX.	EXISTING
F.A.	FIRE ALARM
G	GROUND
G.F.I.	GROUND FAULT INTERRUPTER
I.G.	ISOLATED GROUND
ISC	CALCULATED SHORT CIRCUIT FAULT CURRENT
J.B.	JUNCTION BOX
LTG.	LIGHTING
MFR	MANUFACTURER
N.L.	NIGHT LIGHT
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
P	POLES
P.B.	PULLBOX
R.G.S.	RIGID GALVANIZED STEEL
TELE.	TELEPHONE
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
TGB	TELEPHONE GROUND BUS
UON	UNLESS OTHERWISE NOTED
V	VOLTS
VIF	VERIFY IN FIELD
V.L.	VERIFY LOCATION.
W	WATTS
W.H.	WATER HEATER
W.P.	WEATHERPROOF
XFMR.	TRANSFORMER
GEC	GROUNDING ELECTRODE CONDUCTOR

SUBSCRIPT ADJACENT TO LIGHTING FIXTURE INDICATES:
1,2,3 etc. = BRANCH CIRCUIT NUMBERS
a,b,c etc. = SWITCH-LEG REFERENCE
NL = NIGHT/SECURITY LIGHTING FIXTURE

CIRCUIT BREAKER CALLOUT

3	-POLE
175	-TRIP SIZE
200	-FRAME
42	-AIC RATING

FUSE CALLOUT

3	-POLE
150	-FUZE SIZE
200	-DISCONNECT SIZE
RK1	-FUZE TYPE

GENERAL NOTES

1. THE ELECTRICAL CONTRACTOR(EC) SHALL FURNISH ALL MATERIALS AND LABOR TO COMPLETE THE WORK AS INDICATED IN THE DRAWINGS AND SPECIFICATIONS.
2. ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE AND OTHER STATE AND LOCAL CODES.
3. EC SHALL FULLY GUARANTEE ALL MATERIALS AND WORKMANSHIP FOR ONE YEAR AFTER ACCEPTANCE BY THE OWNER.
4. EC SHALL VERIFY ALL LOADS, WIRE SIZES, CONDUIT SIZES, MINIMUM CIRCUIT AMPACITIES, AND OVERCURRENT PROTECTION PRIOR TO STARTING WORK.
5. EC SHALL MAINTAIN ALL REQUIRED CLEARANCES AROUND ELECTRICAL EQUIPMENT AND COORDINATE WITH OTHER TRADES TO MAINTAIN CODE REQUIRED CLEARANCES.
6. EC SHALL BE RESPONSIBLE FOR FIRESTOPPING ALL PENETRATIONS OF HIS WORK THROUGH RATED CONSTRUCTION TO MAINTAIN THE REQUIRED FIRE RATING.
7. EC SHALL COORDINATE WITH THE LOCAL UTILITY COMPANY AND SHALL PROVIDE ALL MATERIAL AND LABOR AND PAY FEES TO PROVIDE A COMPLETE ELECTRICAL SERVICE.
8. EC SHALL PROVIDE AND INSTALL ALL WIRING, CONDUIT, DISCONNECTS, AND OTHER ITEMS NECESSARY TO CONNECT MECHANICAL, PLUMBING, AND OTHER TRADES.
9. PROVIDE PLENUM RATED CABLE WHERE RETURN PLENUMS ARE USED.
10. PROVIDE AND INSTALL A COMPLETE GROUNDING CONDUCTOR SYSTEM AS REQUIRED BY THE NEC AND ALL OTHER APPLICABLE CODES. BOND ALL DEVICES AND BOXES TO THE CONDUIT SYSTEM. CONDUIT SYSTEM SHALL BE ELECTRICALLY CONTINUOUS AND GROUNDED. CONTRACTOR SHALL TEST AND VERIFY GROUNDING OF ALL DEVICES AND GROUNDING CONDUCTORS.
11. DEVICES MAY BE WIRED IN A DIFFERENT ORDER THAN SHOWN. GFCI OUTLETS MUST BE LOCATED AT THE END OF RUNS.
12. CIRCUITS MAY BE SHOWN WITH LOW AMPERAGE DRAWS TO ACCOUNT FOR VOLTAGE DROP.
13. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHTS OF ALL RECEPTACLES AND DEVICES.
14. VERIFY ALL MECHANICAL EQUIPMENT LOCATIONS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS PRIOR TO ROUGH IN.
15. COORDINATE WITH EQUIPMENT MANUFACTURER FOR EXACT LOCATIONS OF CONNECTION POINTS.



PROJECT TITLE:
AUTO EXPRESS GARAGE ADDITION
PHASE 2
 2306 VETERANS MEMORIAL PARKWAY SOUTH
 LAFAYETTE, IN 47909

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PROJECT DATE:
08/22/16

NO.	DESCRIPTION	DRAWN BY	DATE

PROJECT NUMBER: A2016.077 **DRAWN BY:** XX

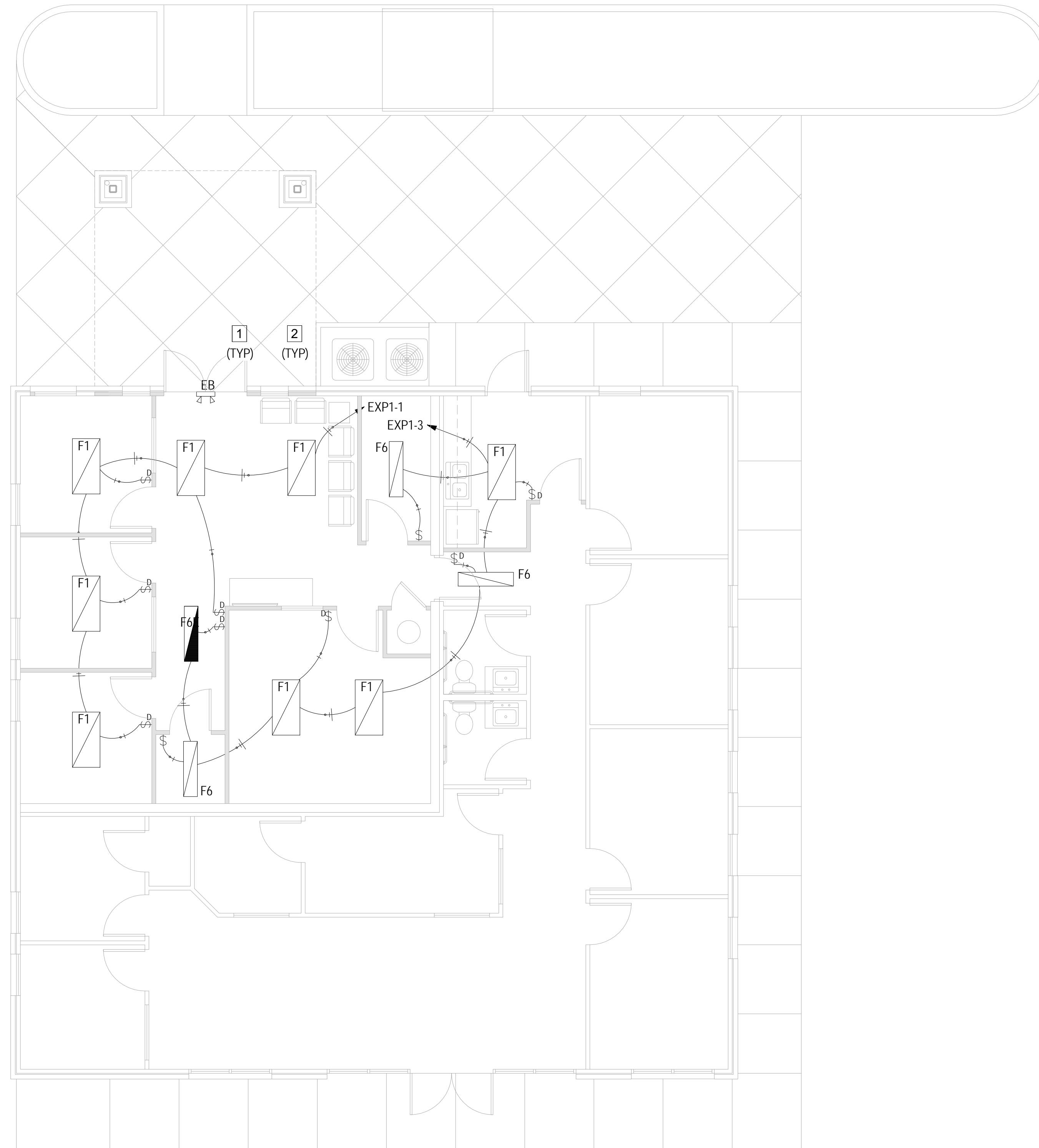
DRAWING TITLE:
ELECTRICAL NOTES AND LEGENDS

SHEET NUMBER:
E001

LUMINAIRE SCHEDULE										
CALLOUT	SYMBOL	LAMP	DESCRIPTION	BALLAST	MOUNTING	MODEL	INPUT WATTS	VOLTS	NOTE	QUANTITY
E-B		(1) 2W	LITHONIA EXIT/ LIGHT COMBO		WALL/CEILING	# ECR LED M6	2	120V 1P 2W		1
F1		(1) 74W EATON LED 3500K	METALUX 2X4 FR TROFFER LED FIXTURE	ELECTRONIC	RECESSED	EATON - METALUX , 24FR-72-UNV-L835-CD1-U	73.1	120V 1P 2W	OSRAM ELECTRONIC DRIVER	8
F6		(1) 31W XH-G2	1 x 4 ZR SERIES TROFFER, MATTE FINISH, 40 LUMEN PACKAGE, 3500K	ELECTRONIC	RECESSED	CREE INC , ZR14M-40L-35K-10V-FD	30.56	120V 1P 2W		3
F6E		(1) 31W XH-G2	1 x 4 ZR SERIES TROFFER, MATTE FINISH, 40 LUMEN PACKAGE, 3500K	ELECTRONIC	RECESSED	CREE INC , ZR14M-40L-35K-10V-FD EB14	30.56	120V 1P 2W	FITTED WITH BATT. BACKUP	1

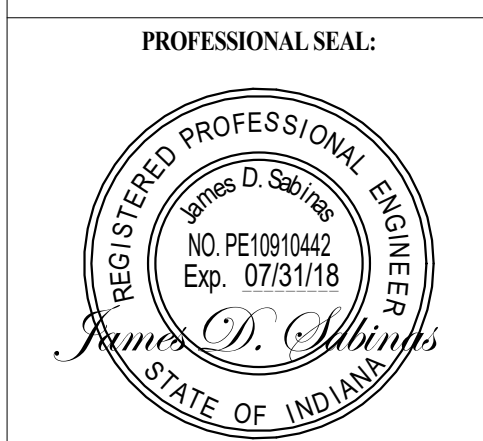
KEY NOTES:

- 1 PROVIDE POWER FROM EXISTING PANEL.
- 2 PROVIDE WALL OR CEILING MOUNTED OCCUPANCY SENSORS FOR EACH ROOM.



PROJECT TITLE:
**AUTO EXPRESS GARAGE ADDITION
PHASE 2**
2306 VETERANS MEMORIAL PARKWAY SOUTH
LAFAYETTE, IN 47909

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PROJECT DATE:
08/22/16

No.	DESCRIPTION	DRAWN BY	DATE ISSUED

PROJECT NUMBER: A2016.077 DRAWN BY: XX

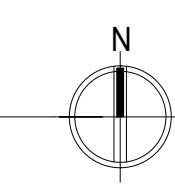
DRAWING TITLE:
ELECTRICAL LIGHTING FLOOR PLAN

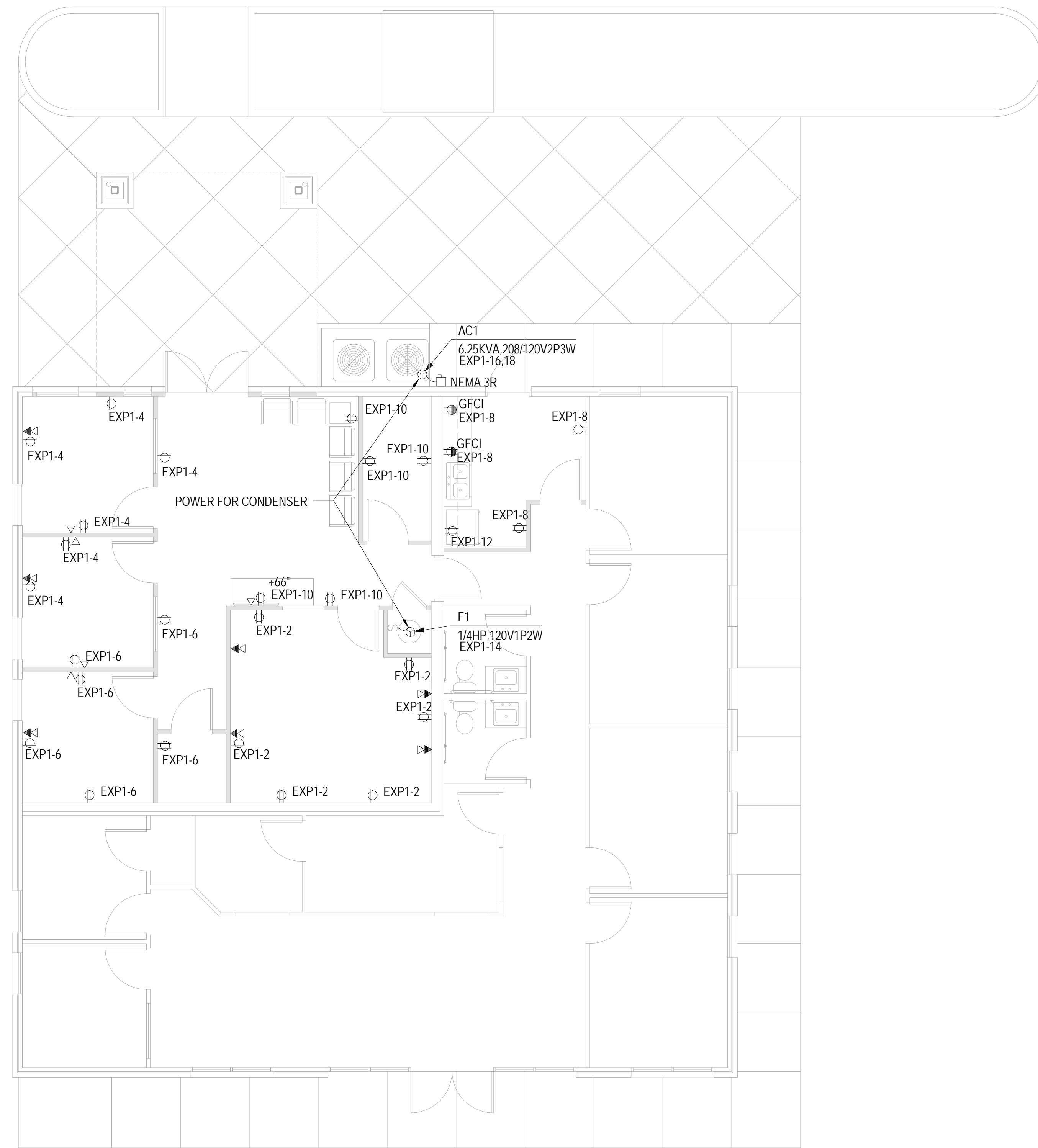
SHEET NUMBER:
E101

1
E101

ELECTRICAL LIGHTING FLOOR PLAN

SCALE: 3/32" = 1' - 0"





KEY NOTES:

- 1 PROVIDE POWER FROM EXISTING PANEL.
- 2 PROVIDE NEMA3 FUSED DISCONNECT FOR NEW CONDENSING UNIT.



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PROJECT TITLE:
AUTO EXPRESS GARAGE ADDITION
PHASE 2

2306 VETERANS MEMORIAL PARKWAY SOUTH
 LAFAYETTE, IN 47909

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PROFESSIONAL SEAL:



PROJECT DATE:
08/22/16

No.	DESCRIPTION	DRAWN BY	DATE ISSUED

PROJECT NUMBER: A2016.077 **DRAWN BY:** XX

DRAWING TITLE:
ELECTRICAL
POWER FLOOR
PLAN

SHEET NUMBER:
E102

1
 E102

ELECTRICAL POWER FLOOR PLAN

SCALE: 3/32" = 1' - 0"

