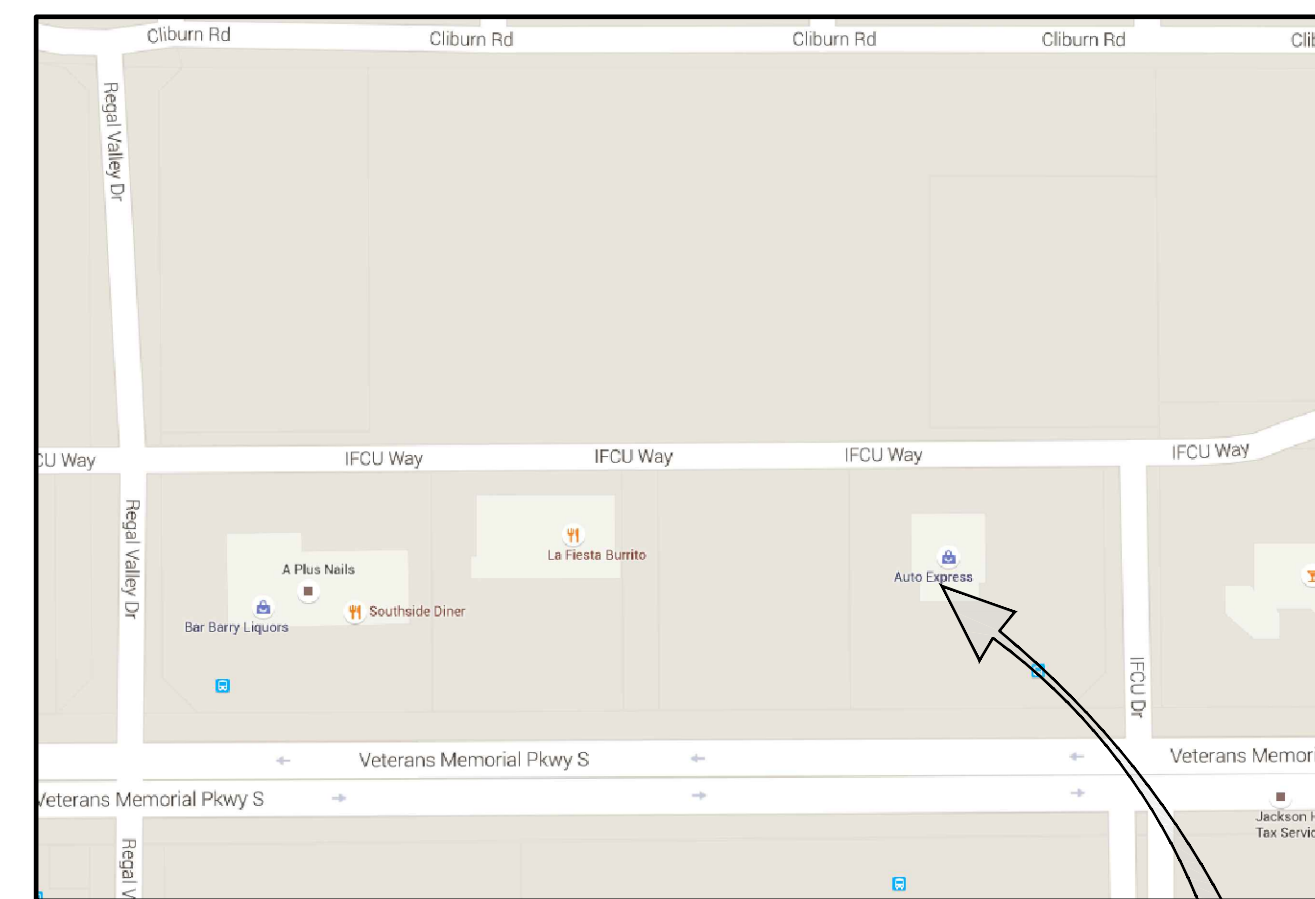


AUTO EXPRESS GARAGE ADDITION

2306 VETERANS MEMORIAL PARKWAY SOUTH
LAFAYETTE, IN 47909



PROJECT LOCATION
SCALE: N.T.S.

Owner:
NATHAN BUCHE
AUTO EXPRESS
2306 VETERANS MEMORIAL PKWY S
LAFAYETTE, IN 47909
(765) 477-7200
email: buche@autoexpresscars.com

Architect & Engineer:

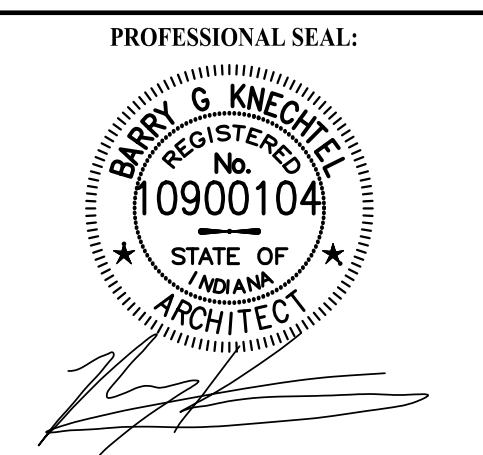


M./E./P. Engineer:
ProDeComm Engineering, Inc.
140 N. Main St.
North Liberty, IN 46554
Office: (574) 656-9956

SHEET INDEX	
SHEET	TITLE
TITLE	SHEET INDEX & VICINITY MAP
ARCHITECTURAL	
A000	LIFE SAFETY AND CODE COMPLIANCE PLAN
A100	ARCHITECTURAL SITE PLAN
A105	DEMOLITION PLAN
A106	FLOOR PLAN AND WALL TYPES
A110	REFLECTED CEILING PLAN
A150	ROOF PLAN AND DETAILS
A200	EXTERIOR ELEVATIONS
A210	INTERIOR ELEVATIONS
A300	BUILDING SECTIONS
A301	BUILDING SECTIONS
A305	WALL SECTIONS
A306	WALL SECTIONS
A600	DOOR & WINDOW SCHEDULES
A601	DOOR & WINDOW DETAILS
A605	FINISH SCHEDULE
STRUCTURAL	
S000	GENERAL STRUCTURAL NOTES
S100	FOUNDATION PLAN AND DETAILS
S110	FRAMING PLAN AND DETAILS
S200	SHEAR WALL PLAN
MECHANICAL	
M001	MECHANICAL NOTES AND ABBREVIATIONS
M101	MECHANICAL FLOOR PLAN
M501	MECHANICAL DETAILS
M601	MECHANICAL SCHEDULES
ELECTRICAL	
E001	ELECTRICAL NOTES AND ABBREVIATIONS
E101	LIGHTING FLOOR PLAN
E102	POWER FLOOR PLAN
E103	ELECTRICAL ROOF PLAN
PLUMBING	
P001	PLUMBING NOTES
P101	PLUMBING FLOOR PLAN DW
P102	PLUMBING FLOOR PLAN WATER
P103	PLUMBING FLOOR PLAN COMPRESSED AIR GAS
P401	PLUMBING ENLARGED PLANS
P501	PLUMBING DETAILS
P901	PLUMBING ISOMETRIC DW
P902	PLUMBING ISOMETRIC WATER
P903	PLUMBING ISOMETRIC COMPRESSED AIR GAS

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

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PROJECT DATE:
9/2/2016

No.	DESCRIPTION	DRAWN BY:	DATE ISSUED:

PROJECT NUMBER: A2016.077
DRAWN BY:

DRAWING TITLE:
TITLE SHEET

SHEET NUMBER:
TITLE



KJG Architecture, Inc.
527 Sagamore Parkway W., Suite 101
West Lafayette, Indiana 47906
Office: 765.497.4598 Fax: 765.497.4599
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CODE SUMMARY:

- 2012 INTERNATIONAL BUILDING CODE W/ 2014 INDIANA AMENDMENTS
- 2010 INDIANA ENERGY CONSERVATION CODE (ASHRAE 90.1-2007)
- 2006 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

LOCATION: LAFAYETTE, INDIANA

OCCUPANCY CLASSIFICATIONS:
OCCUPANCY GROUP S-1:
REPAIR GARAGE (TYPE 1)
[SECTION 311.2]

INCIDENTAL USE AREAS:
STOCK/STORAGE AND MECHANICAL AREAS PER
[SECTION 302.1.1 AND TABLE 302.1.1]

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.

ALLOWABLE AREA:
S-1 OCCUPANCY, V-B CONSTRUCTION TYPE ALLOWABLE AREA = 9,000 S.F. (PER TABLE 503) TOTAL ALLOWABLE AREA OF 9,000 IS GREATER THAN ACTUAL AREA OF 5,151 S.F. (FIRST FLOOR EXISTING /ADDITION) + 266 S.F. (EXISTING MEZZANINE) = 5,417 TOTAL PROJECT S.F.

CONSTRUCTION TYPE: REGEN

TYPE V-B PERMITTED BASED UPON THE PROVISIONS FOR GROUP S-1 OCCUPANCIES. [TABLE 503]

CORRIDORS:
THERE ARE NO CORRIDORS IN THIS PROJECT.

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

TWO (2) EXITS ARE REQUIRED WHEN COMMON PATH OF EGRESS IS LESS THAN 75' AND OCCUPANT LOAD IS GREATER THAN 30 OCCUPANTS PER TABLE 1014.3

EXIT TRAVEL DISTANCE SHALL NOT EXCEED 200' [TABLE 1016.2]

SPRINKLER APPLICATION:
BUILDING SPRINKLER SYSTEM NOT REQUIRED IN THIS PROJECT SCOPE (PER SECTION 903.2.9.1)

FIRE BARRIERS:
FIRE BARRIERS NOT REQUIRED IN THIS PROJECT SCOPE

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

FIRE ALARM SYSTEM:
MANUAL FIRE ALARM SYSTEMS ARE NOT REQUIRED PER SECTION 907.2.7. AND 907.2.1 WHEN SERVING AN OCCUPANT LOAD LESS THAN 300.

SMOKE DETECTORS:
SMOKE DETECTORS ARE REQUIRED FOR AUTOMATIC HVAC SHUTDOWN FOR SYSTEMS DELIVERING IN EXCESS OF 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.

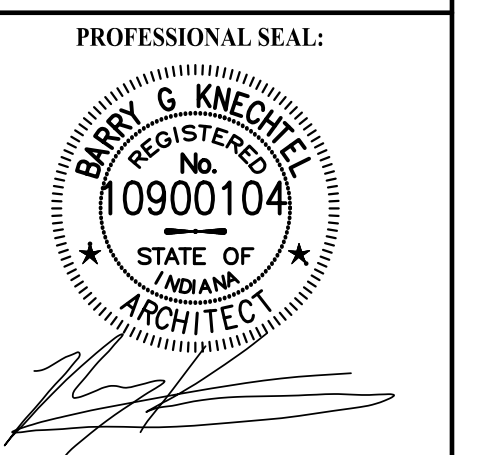
ACCESSIBILITY:
AN ACCESSIBLE MEANS OF EGRESS IS REQUIRED [SECTION 1007.1.]

OCCUPANT LOAD:
EXISTING FIRST FLOOR: 948 S.F. @ 100/NET = 9 OCCUPANTS
EXISTING MEZZANINE AREA: 266 S.F. @ 300/GROSS = 1 OCCUPANTS
FIRST FLOOR ADDITION: 4,203 S.F. @ 100/NET = 42 OCCUPANTS

12 OCCUPANTS (ANTICIPATED-WORK STAFF)
10 OCCUPANTS (ANTICIPATED-PUBLIC)
TOTAL = 22 OCCUPANTS (ANTICIPATED)

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

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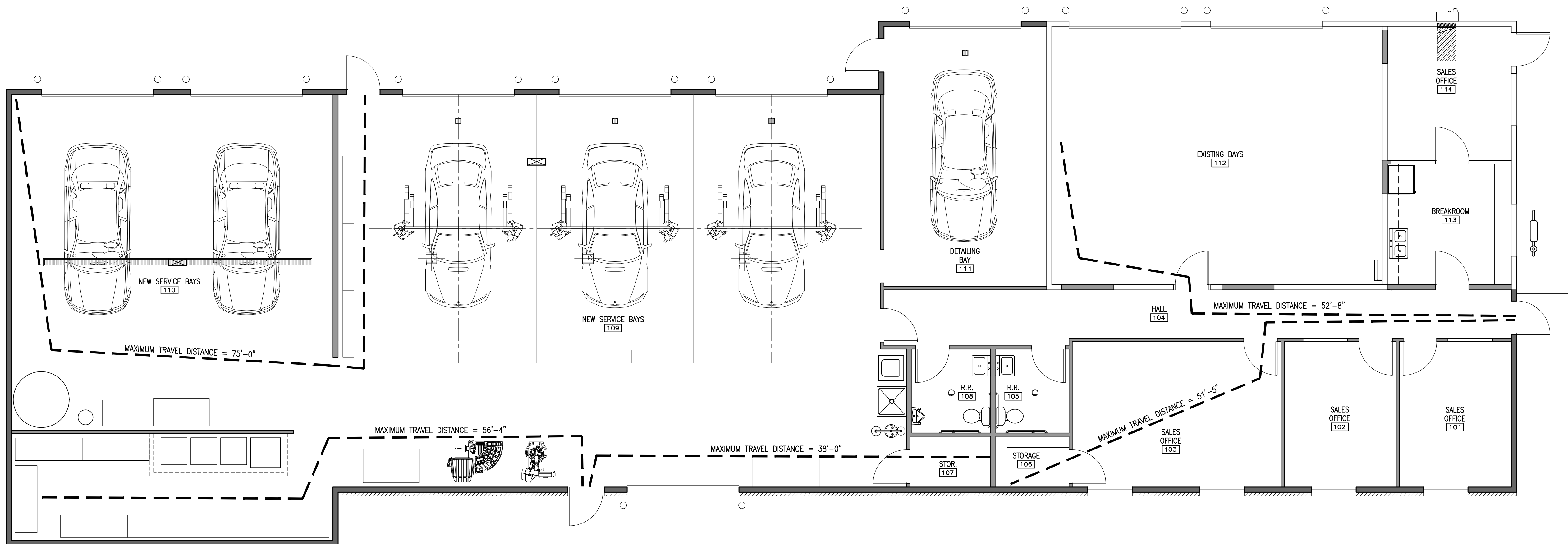
PROJECT DATE:
09/02/16

No.	DESCRIPTION:	DRAWN BY:	DATE ISSUED:

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

DRAWING TITLE:
LIFE SAFETY AND CODE COMPLIANCE

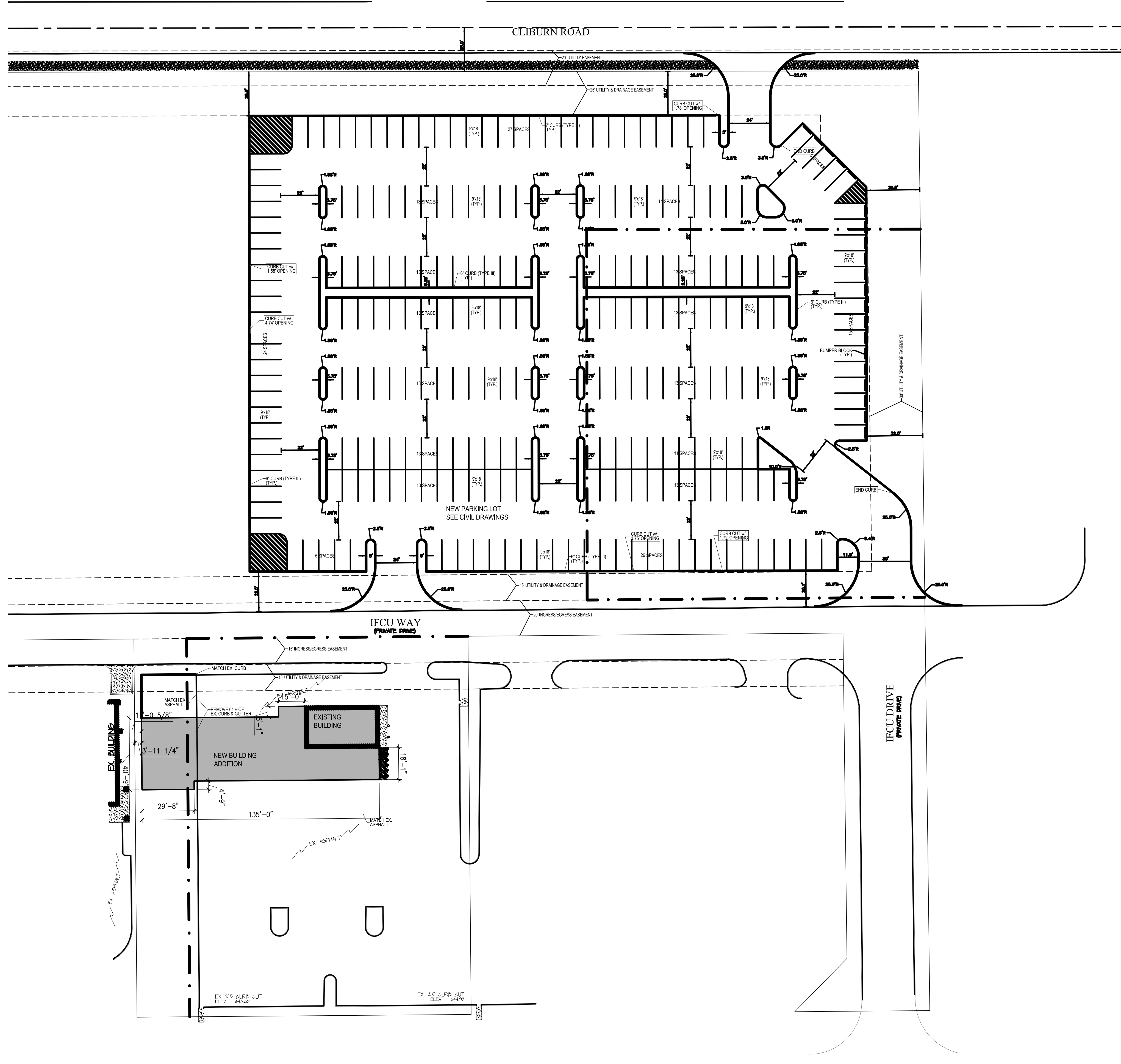
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A000



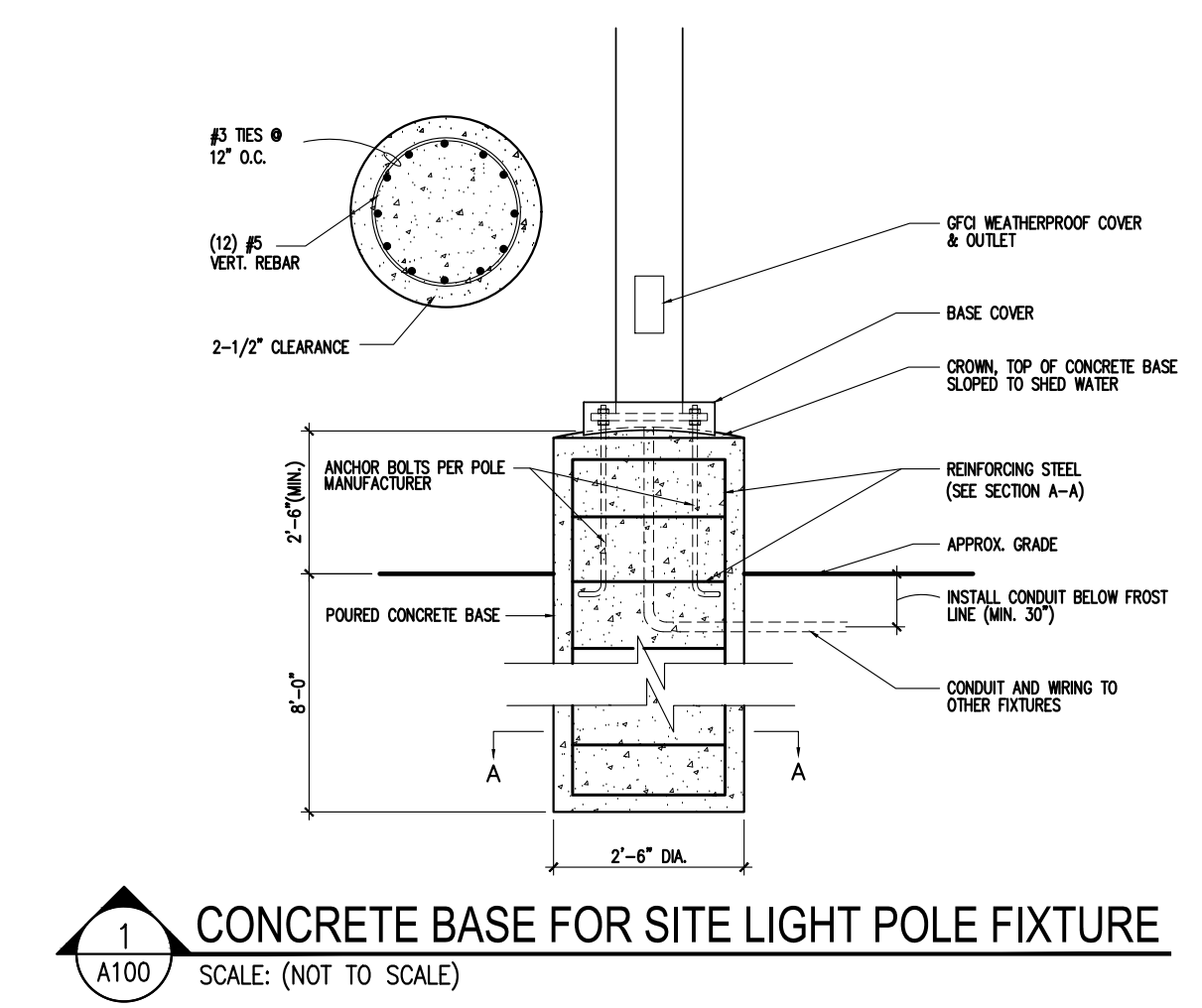
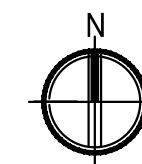
1 LIFE SAFETY PLAN
A000 SCALE: 3/16"=1'-0"



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1
 A100 ARCHITECTURAL SITE PLAN
 SCALE: 1"=30'-0"



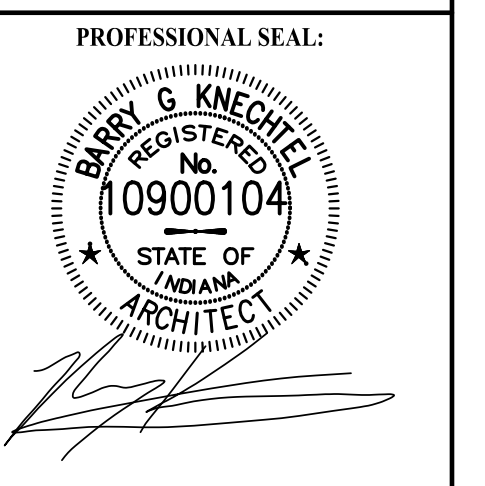
1
 A100 CONCRETE BASE FOR SITE LIGHT POLE FIXTURE
 SCALE: (NOT TO SCALE)

1
 A100 X
 SCALE: 1/4"=1'-0"

PROJECT TITLE:
AUTO EXPRESS GARAGE ADDITION

2306 VETERANS MEMORIAL PARKWAY SOUTH
 LAFAYETTE, IN 47909

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PROFESSIONAL SEAL:
 PROJECT DATE:
9/2/2016

No.	DESCRIPTION:	DRAWN BY:	DATE ISSUED:

PROJECT NUMBER:
A2016.077

DRAWING TITLE:
ARCHITECTURAL SITE PLAN

SHEET NUMBER:
A100



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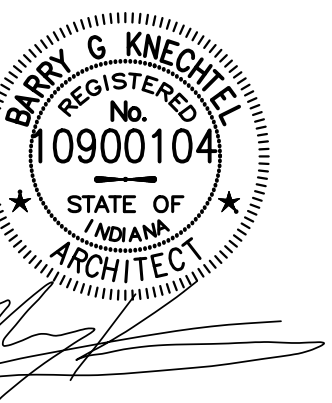
PROJECT TITLE:
AUTO EXPRESS GARAGE ADDITION

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

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PROFESSIONAL SEAL:



PROJECT DATE:

09/02/16

No.	DESCRIPTION:	DRAWN BY:	DATE ISSUED:

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

DRAWING TITLE:
DEMO PLAN

SHEET NUMBER:

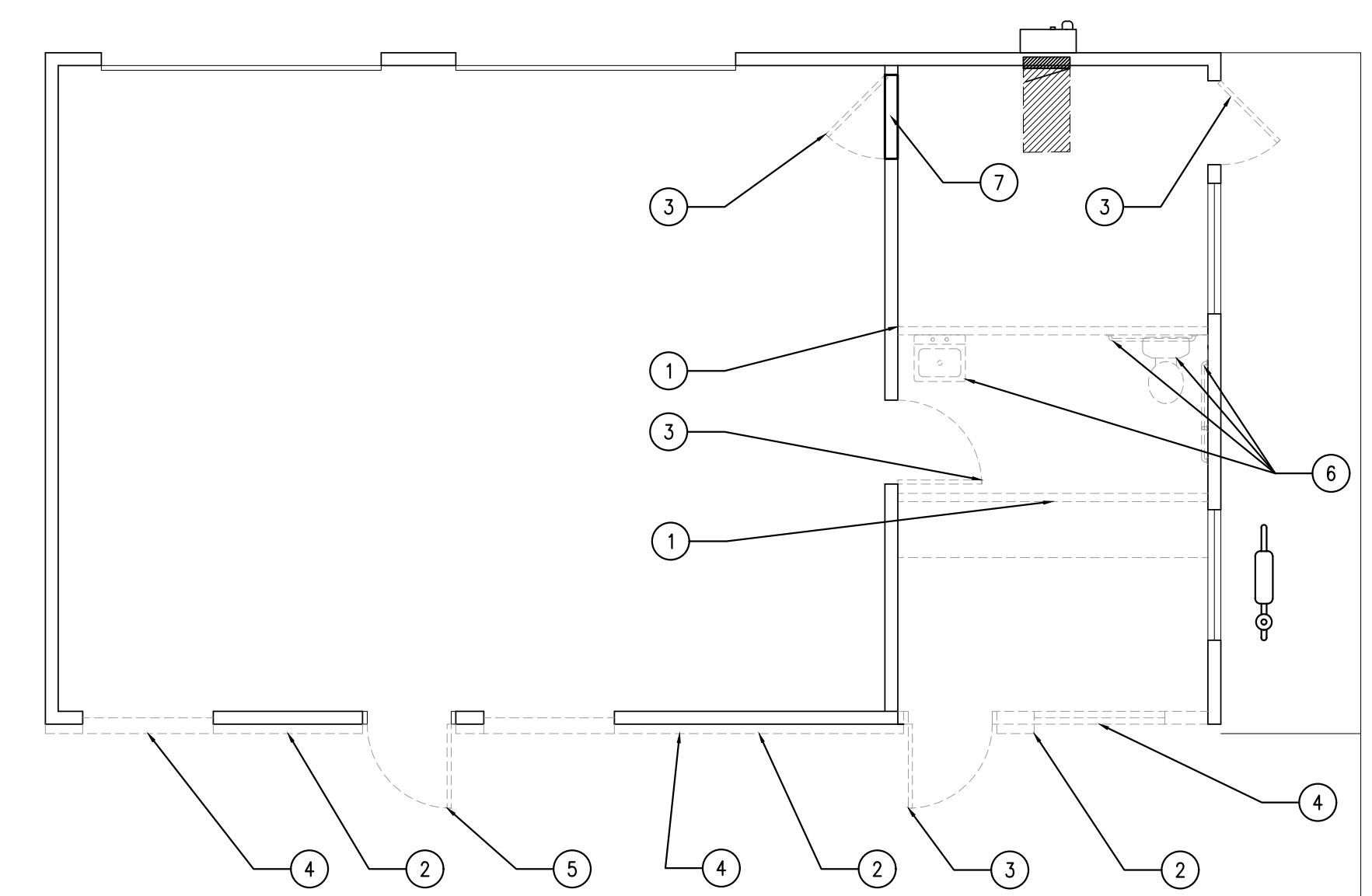
A105

DEMOLITION GENERAL NOTES:

- 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.
- 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.
- 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.
- 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 CABINETS, 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.
- 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.
- 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).
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- CONTRACTOR SHALL REPAIR OR REPLACE ANY ADJACENT FINISHES, SURFACES OR MATERIALS DAMAGED BY DEMOLITION OPERATIONS AT NO COST TO THE OWNER.
- WALLS AND CEILINGS PATCHED DUE TO DEMOLITION OPERATIONS SHALL BE RE-PAINTED IN ENTIRETY AFTER PATCHING.
- 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.
- DO NOT SCALE DRAWINGS; USE ONLY WRITTEN DIMENSIONS. ALL DIMENSIONS MUST BE FIELD VERIFIED BY CONTRACTOR.
- 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.
- 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

- REMOVE EXISTING WALL.
- REMOVE BRICK VENEER.
- REMOVE EXISTING DOOR AND FRAME.
- REMOVE EXISTING WINDOW AND INFILL.
- REMOVE EXISTING DOOR, DOOR FRAME TO REMAIN.
- REMOVE BATHROOM FIXTURES.
- IN-FILL REMOVED DOOR AREA WITH NEW WALL CONSTRUCTION (TO MATCH ADJACENT WALL SURFACES.)

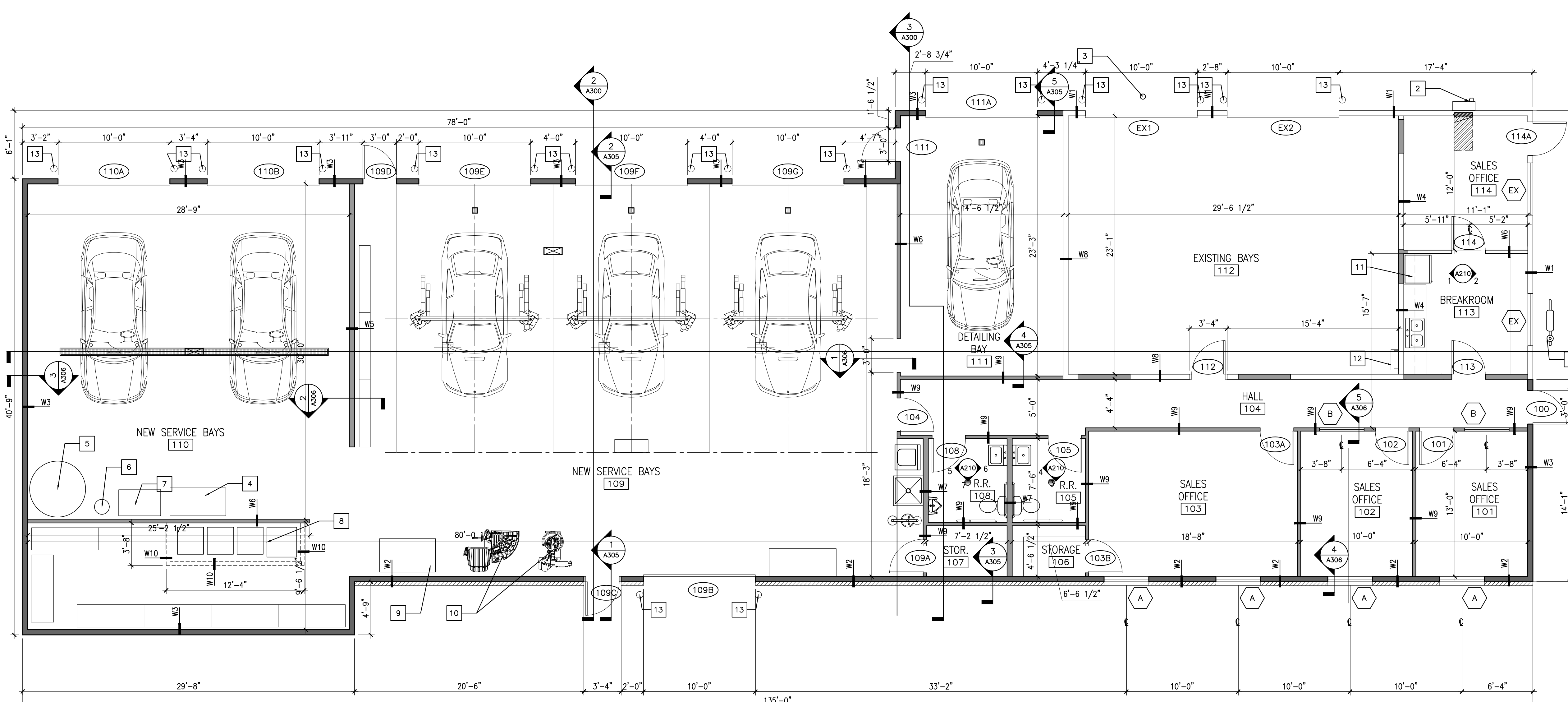


1
A105 **DEMOLITION PLAN**
 SCALE: 3/16"=1'-0"

GENERAL CONSTRUCTION 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" ON CENTER UNLESS NOTED OTHERWISE. SEE WALL KEYS FOR WALL MATERIALS.
- F. ALL DIMENSIONS ARE ROUGH FRAMING DIMENSIONS. (INSIDE FACE OF STUD TO INSIDE FACE OF STUD OR INSIDE FACE OF MASONRY TO INSIDE FACE OF MASONRY).
- G. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INFORM K&G ARCHITECTURE, INC. OF ANY UNSAFE CONDITION OR CODE VIOLATION, EITHER STATE OR LOCAL, PRIOR TO THE START OF CONSTRUCTION.
- H. THE CONTRACTOR SHALL VERIFY ALL WORK WITH ALL TRADES (PLUMBING, ELECTRICAL, MECHANICAL AND OTHERS ON JOB) TO ENSURE THAT ALL REQUIRED CLEARANCES ARE MADE PRIOR TO PROCEEDING WITH THE PROJECT AND SHALL NOTIFY THE ARCHITECT OF ANY PROBLEMS PRIOR TO THE START OF CONSTRUCTION.
- I. IF FIELD CONDITIONS EXIST THAT REQUIRE ALTERATIONS TO THESE PLANS, K&G ARCHITECTURE, INC. MUST BE NOTIFIED AT ONCE AND BEFORE ANY FURTHER CONSTRUCTION TAKES PLACE.
- J. PROVIDE SOLID BLOCKING FOR ALL WALL-MOUNTED ITEMS SUCH AS, BUT NOT LIMITED TO, HANDRAILS, CABINETS, TOWEL BARS, GRAB BARS, TOILET ACCESSORIES AND SHELVING.
- K. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED MATERIAL.

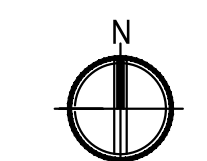
EXISTING 2x6 WOOD STUD WALL.	GYP. BD. ONE SIDE (WARM SIDE) OF 2x4 WOOD STUD @ 16" O.C. w/ BATT INSULATION w/ BRICK VENEER AND AIR GAP w/ BUILDING WRAP OVER OSS EXTERIOR SHEATHING ON OPPOSITE SIDE.	5/8" GYP. BD. ONE SIDE (WARM SIDE) OF 2x6 WOOD STUD @ 16" O.C. w/ R-21 BATT INSULATION w/ VINYL SIDING OVER BUILDING WRAP OVER 7/16" OSS EXTERIOR SHEATHING OPPOSITE SIDE.				
W1 WALL KEY EXTERIOR WALL	W2 WALL KEY EXTERIOR WALL	W3 WALL KEY EXTERIOR WALL				
EXISTING 2x4 WOOD STUD WALL.	5/8" GYP. BD. ON ONE SIDE OF 2x6 WOOD STUD @ 16" O.C. AND 5/8" O.S.B. SHEATHING ON OPPOSITE SIDE OF WALL.	5/8" O.S.B. SHEATHING BOTH SIDES OF 2x4 WOOD STUD @ 16" O.C. w/ ACOUSTIC BATT INSULATION	5/8" GYP. BD. BOTH SIDES OF 2x6 WOOD STUD @ 16" O.C. w/ ACOUSTIC BATT INSULATION	NEW DRYWALL APPLIED TO EXISTING EXTERIOR SHEATHING ON EXISTING 2x6 WOOD STUD WALL.	5/8" GYP. BD. BOTH SIDES OF 2x4 WOOD STUD @ 16" O.C. w/ ACOUSTIC BATT INSULATION	6" WIDE C.M.U. (ONE BLOCK COURSE HIGH) BOND BEAM AT PERIMETER OF OIL TANK STORAGE AREA (TO ACT AS SECONDARY CONTAINMENT AREA)
W4 WALL KEY INTERIOR WALL	W5 WALL KEY INTERIOR WALL	W6 WALL KEY INTERIOR WALL	W7 WALL KEY INTERIOR WALL	W8 WALL KEY INTERIOR WALL	W9 WALL KEY INTERIOR WALL	W10 WALL KEY INTERIOR WALL



PLAN KEYNOTES

1. EXISTING GAS METER TO REMAIN.
2. EXISTING 200 AMP METER LOCATION-UPGRADE TO 400 AMP.
3. EXISTING 6" CLEAN OUT- TIE NEW GREASE INTERCEPTOR INTO THIS LINE.
4. FLOOR MAT CLEANER
5. SOAP TANK
6. R/O UNIT
7. PRESSURE WASHER
8. OIL TANKS
9. AIR COMPRESSOR
10. TIRE CHANGER/ALIGNER
11. COMPACT REFRIGERATOR; 2.6 CUBIC FT. UNIT MUST BE UNDER 30" TALL DUE TO LOW COUNTER HEIGHT.
12. WALL MOUNTED ACCESS LADDER TO ATTIC/ROOF HATCH.
13. OPTIONAL PIPE BOLLARD SEE SHEET DETAIL 1/5000.

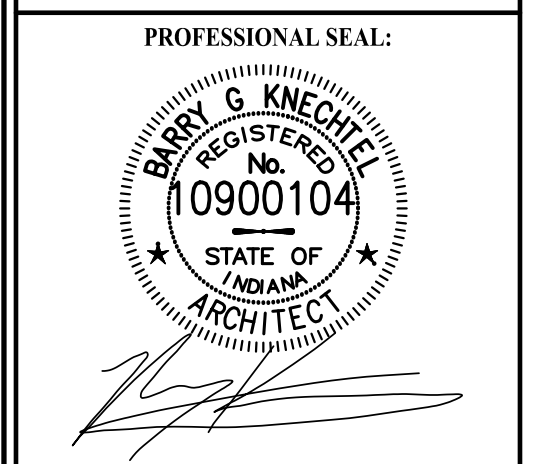
1 FLOOR PLAN
SCALE: 3/16"=1'-0"



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

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PROJECT DATE:
09/02/16

No.	DESCRIPTION	DRAWN BY	DATE ISSUED

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

DRAWING TITLE:
FLOOR PLAN

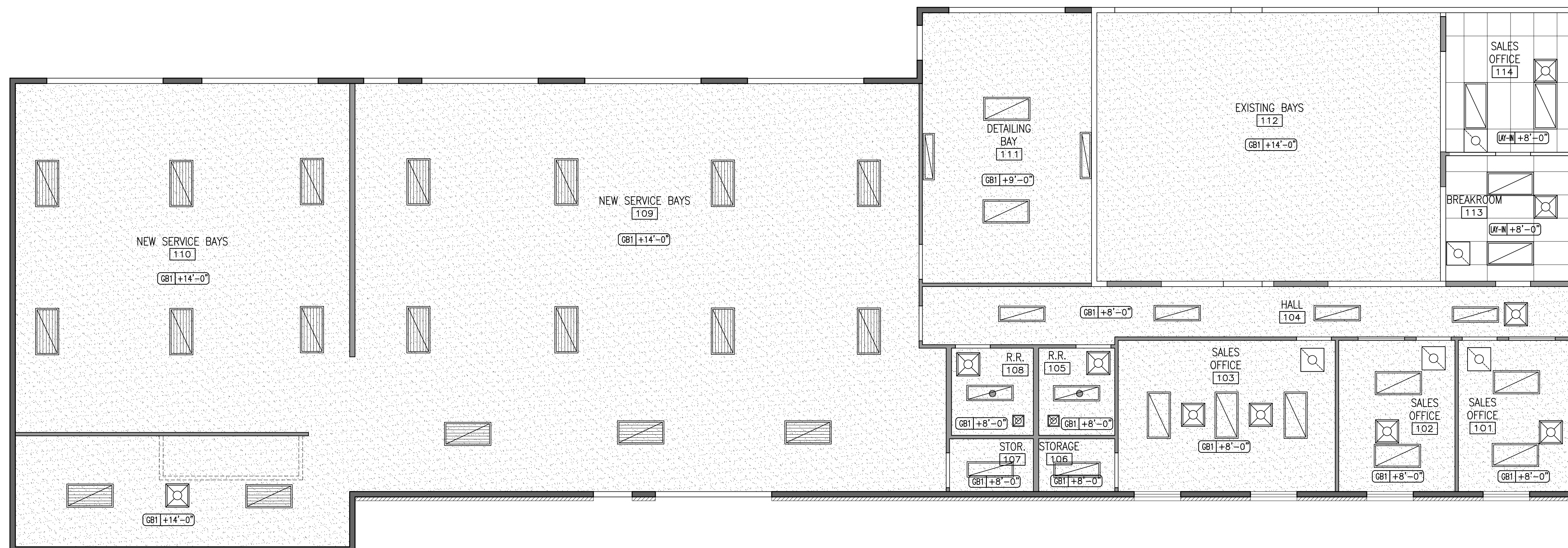
SHEET NUMBER:
A106



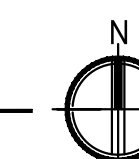
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 www.kjgarchitecture.com

REFLECTED CEILING LEGEND

SYMBOL	DESCRIPTION
	ACT1: SUSPENDED CEILING TILE/GRID SYSTEM W/ 2'X4' LAY-IN CEILING TILES. SEE INTERIOR FINISH SCHEDULE.
	GB1: GYPSUM BOARD CEILING W/ PAINT FINISH. 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.
	CEILING-RECESSED HVAC EXHAUST FAN - SEE MECHANICAL PLAN & SCHEDULES.
	2'X4' CEILING MOUNT (OR RECESSED) LED LIGHT FIXTURE. SEE LIGHTING PLAN AND LIGHT FIXTURE SCHEDULE.
	1'X4' CEILING MOUNT LED LIGHT FIXTURE. SEE LIGHTING PLAN AND LIGHT FIXTURE SCHEDULE.
	2'X4' CEILING MOUNT HIGH-BAY LED LIGHT FIXTURE. SEE LIGHTING PLAN AND LIGHT FIXTURE SCHEDULE.
	WALL MOUNT LED LIGHT FIXTURE. SEE LIGHTING PLAN AND LIGHT FIXTURE SCHEDULE.

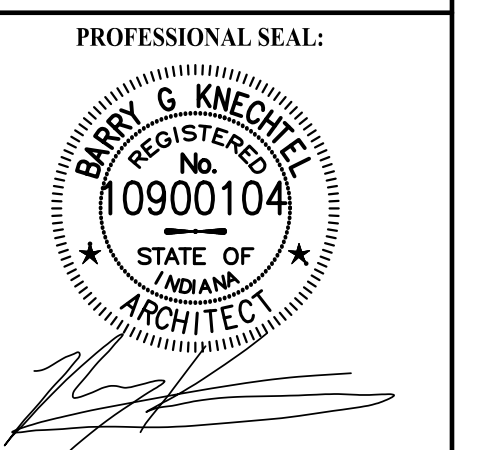


1 REFLECTED CEILING PLAN
 SCALE: 3/16"=1'-0"



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

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PROJECT DATE:
09/02/16

No.	DESCRIPTION	DRAWN BY	DATE ISSUED

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

DRAWING TITLE:
REFLECTED CEILING PLAN

SHEET NUMBER:
A110



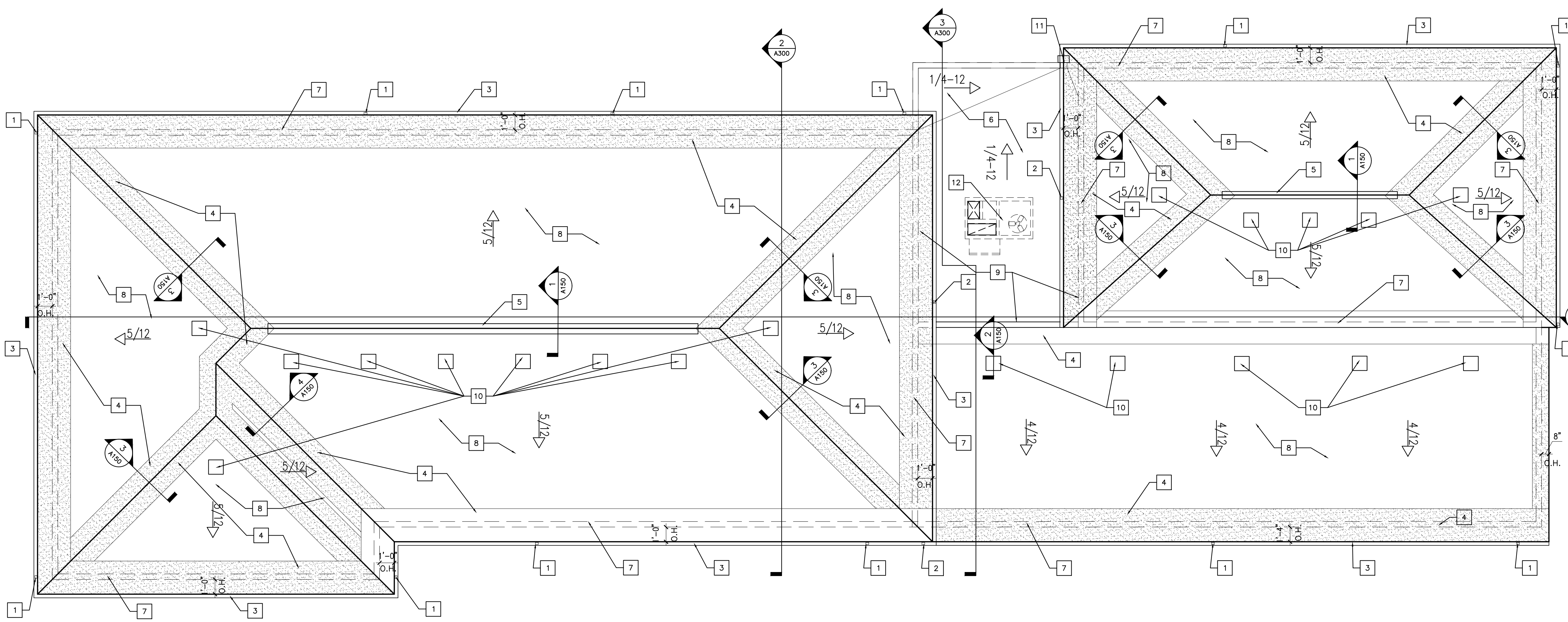
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 527 Sagamore Parkway W., Suite 101
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 Office: 765.497.4598 Fax: 765.497.4599
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ROOF PLAN SHEET NOTES:

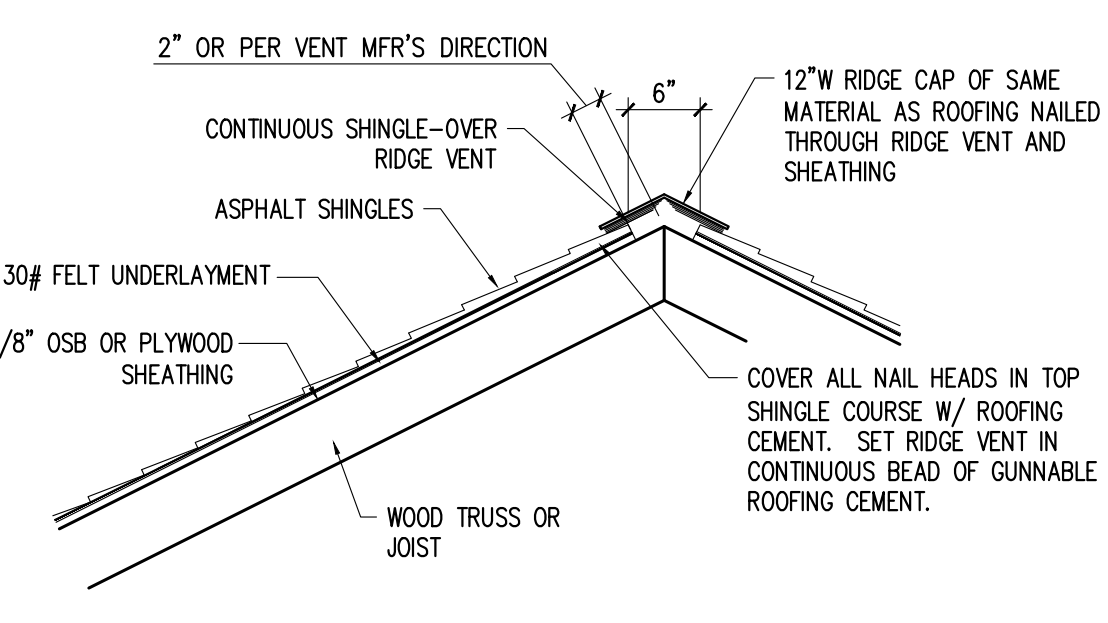
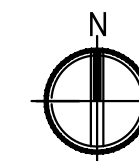
- SEE SHEET A106 FOR GENERAL CONSTRUCTION NOTES
- VENTING REQUIREMENTS ARE 1/3 OF ATTIC AREA PER IBC SECTION 1203.2. CONTRACTOR TO VERIFY RIDGE VENTS SELECTED WILL PROVIDE ADEQUATE VENTING. OTHERWISE, ADD ADDITIONAL BOX VENTS AS REQ'D. ON BACKSIDE OF BUILDING, IN UPPER 1/2 OF AIRSPACE PER IBC SECTION 1203.2.

ROOF PLAN KEY NOTES:

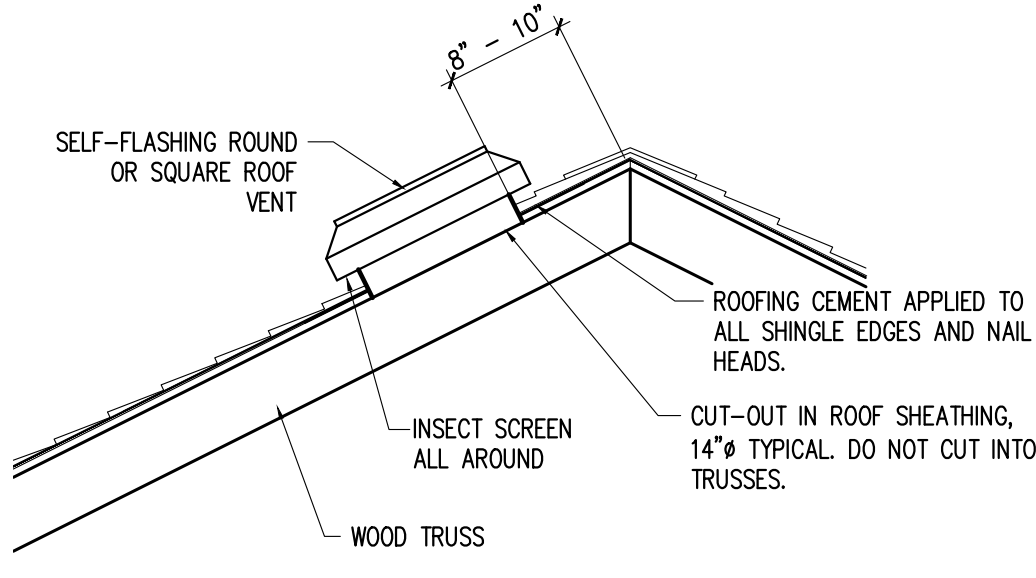
- DOWNSPOUT TO GRADE. CONTRACTOR TO COORDINATE UNDERGROUND PIPING LOCATIONS FOR DRAINAGE.
- DOWNSPOUT AT (OR EMPTIES TO) LOWER ROOF
- CONT. ALUM. GUTTER (MATCH EXISTING).
- PROVIDE GRACE ICE & WATER SHIELD OVER ROOF PLYWOOD PER PRODUCT SPECIFICATIONS. AREAS INDICATED WITH HATCH FOR REFERENCE.
- CONTINUOUS RIDGE VENT. INSTALL AND FLASH PER MANUFACTURER'S SPECIFICATIONS. (SEE DETAIL 1/A150).
- EDPM ROOF AREA BELOW. SLOPE TO SCUPPER (SEE DETAIL 6/A150).
- LINE OF STUD WALL BELOW.
- ASPHALT SHINGLE ROOFING OVER ROOFING FELT (OVER ICE AND WATER SHIELD PER SPECIFICATIONS & WHERE INDICATED) OVER STRUCTURAL SHEATHING. INSTALL ALL MATERIALS PER MANUFACTURERS SPECIFICATIONS.
- RUN EDPM UP INTERIOR SIDE OF PARAPET WALL.
- BOX VENT, 50 SQ. IN. MIN. FREE AIR. (SEE DETAIL 2/A150).
- THRU-WALL SCUPPER LOCATION (SEE DETAIL 6/A150).
- ROOF TOP UNIT LOCATION (SEE MECHANICAL PLANS).



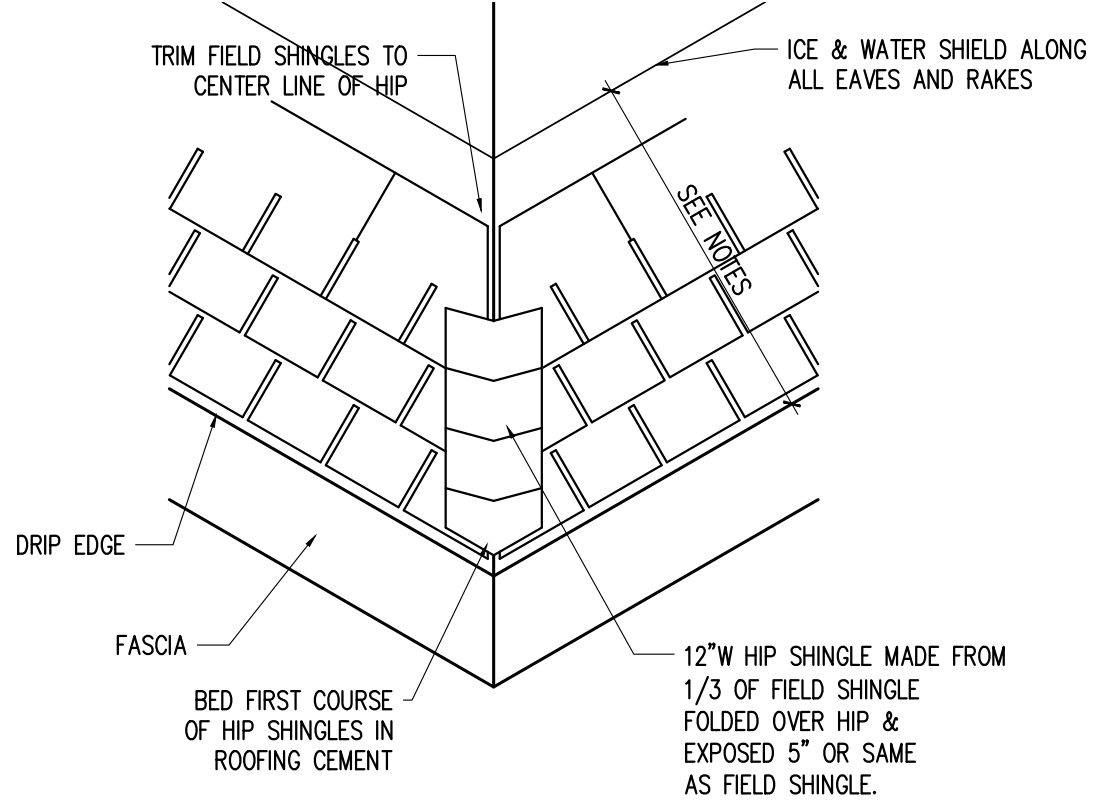
1
A150
ROOF PLAN
SCALE: 3/16"=1'-0"



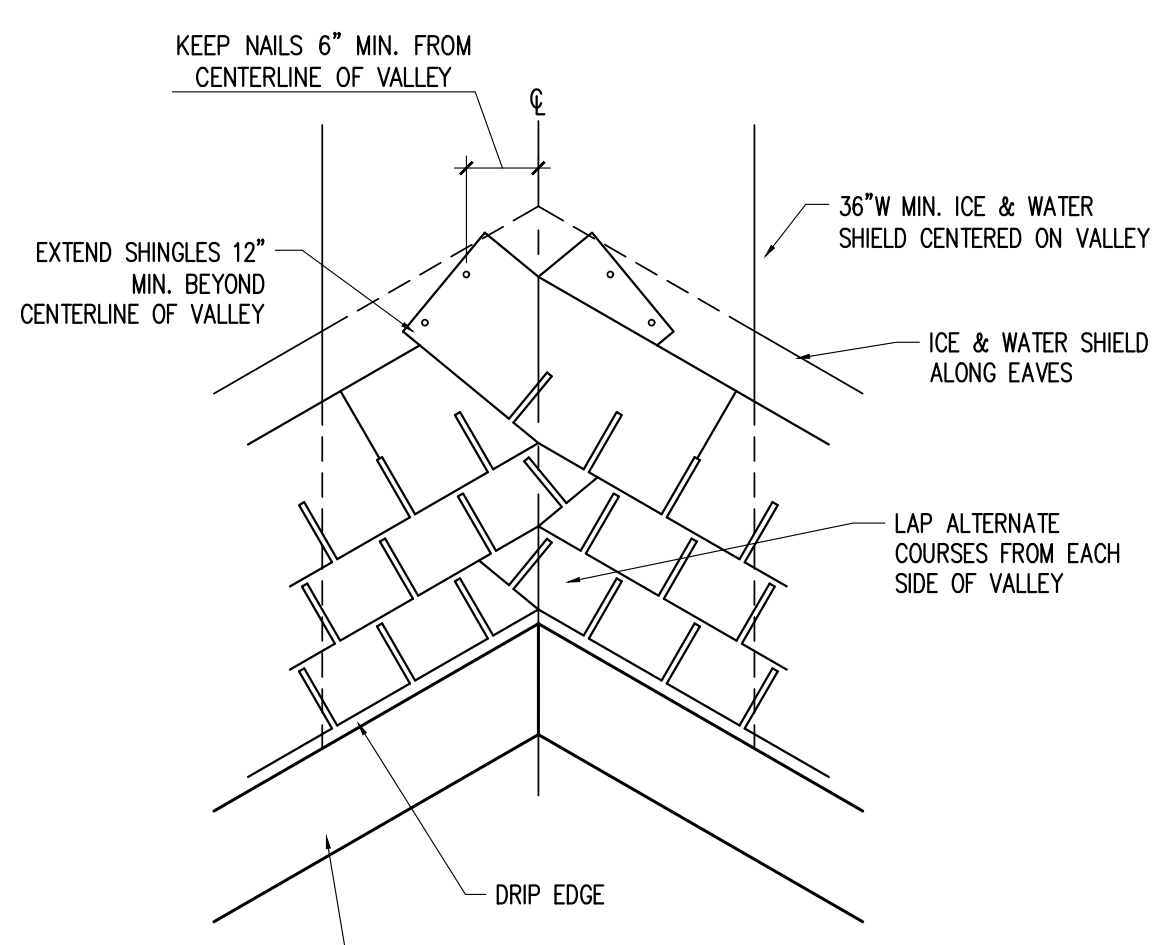
1
A150
RIDGE VENT DETAIL
SCALE: (NOT TO SCALE)



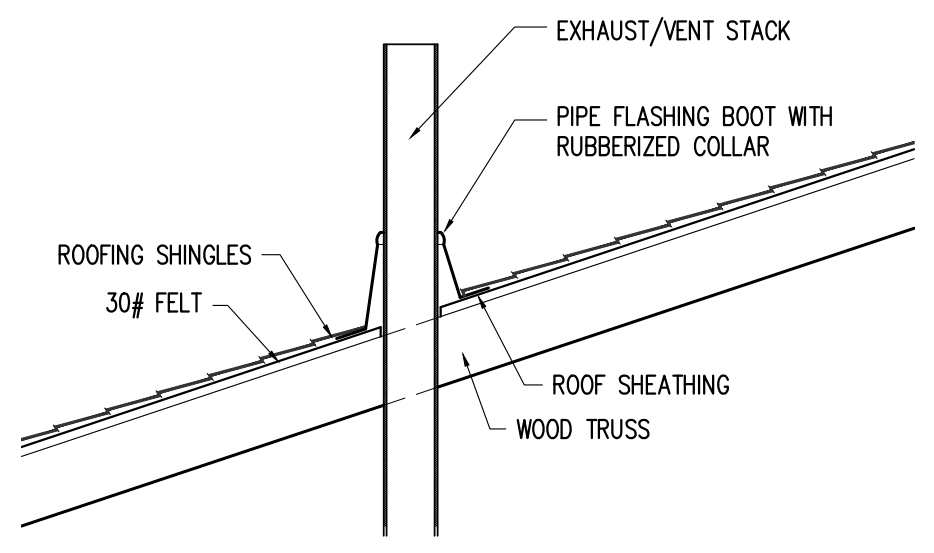
2
A150
BOX VENT DETAIL
SCALE: (NOT TO SCALE)



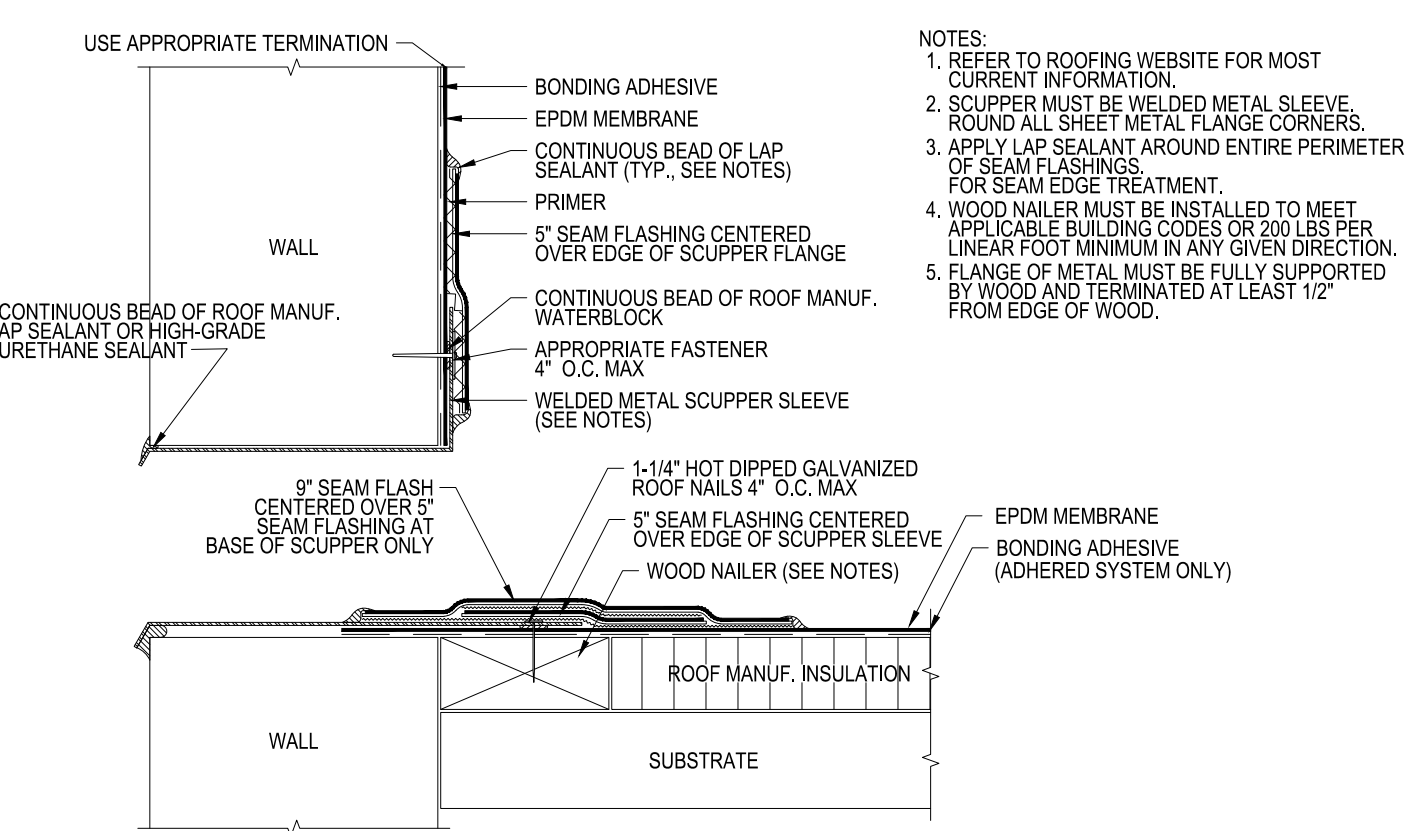
3
A150
HIP SHINGLE DETAIL
SCALE: (NOT TO SCALE)



4
A150
VALLEY SHINGLE DETAIL
SCALE: (NOT TO SCALE)



5
A150
VENT STACK DETAIL
SCALE: (NOT TO SCALE)



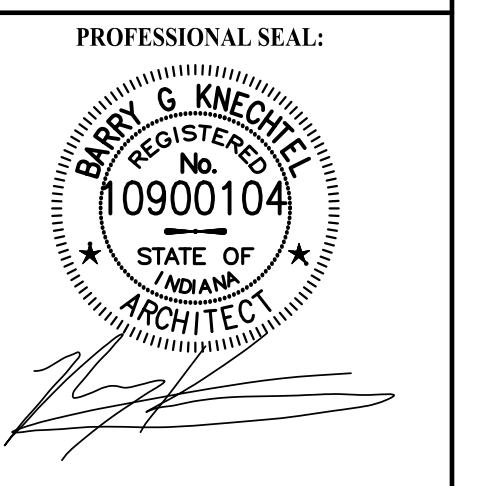
6
A150
THRU WALL SCUPPER DETAIL
SCALE: (NOT TO SCALE)

- NOTES:**
- REFER TO ROOFING WEBSITE FOR MOST CURRENT INFORMATION.
 - SCUPPER MUST BE WELDED METAL SLEEVE, ROUND ALL SHEET METAL FLANGE CORNERS.
 - APPLY LAP SEALANT AROUND ENTIRE PERIMETER OF SEAM FLASHINGS FOR SEAM EDGE TREATMENT.
 - WOOD NAILED MUST BE INSTALLED TO MEET APPLICABLE BUILDING CODES OR 200 LBS PER LINEAR FOOT MINIMUM IN ANY GIVEN DIRECTION.
 - FLANGE OF METAL MUST BE FULLY SUPPORTED BY WOOD AND TERMINATED AT LEAST 1/2" FROM EDGE OF WOOD.

PROJECT TITLE:
AUTO EXPRESS GARAGE ADDITION

2306 VETERANS MEMORIAL PARKWAY SOUTH
LAFAYETTE, IN 47909

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PROJECT DATE:
09/02/16

No.	DESCRIPTION:	DRAWN BY:	DATE ISSUED:

PROJECT NUMBER:
A2016.077

DRAWING TITLE:
ROOF PLAN AND DETAILS

SHEET NUMBER:
A150

ATTIC VENTILATION:

PER IBC 2006 SEC. 1203.2, ATTIC SHALL BE VENTILATED BY NATURAL OPENINGS WITH A TOTAL NET FREE AREA NOT LESS THAN 1/300 OF THE AREA OF THE (ATTIC) SPACE VENTILATED, AND WITH 50% OF THE OPENINGS IN THE UPPER PORTION OF THE ROOF, WITH THE BALANCE BEING EAWE OR CORNICE VENTS. A VAPOR RETARDER HAVING A TRANSMISSION RATE NOT EXCEEDING 1 PERM IN ACCORDANCE WITH ASTM E96 IS TO BE INSTALLED ON THE WARM SIDE OF THE ATTIC INSULATION.

TOTAL BUILDING (EXISTING/ADDITIONS):
 ATTIC AREA = 5,183 SQ. FT.
 5183/300 = 17.27 SQ. FT. = 3.34 SQ. FT. (EXISTING) + 13.93 SQ. FT. (ADDITIONS)
 17.27 SQ. FT. X 144 SQ. IN./SQ. FT. = 2,487 SQ. IN. REQUIRED/EACH (EXISTING & ADDITIONS)

RIDGE VENT FREE AREA = 18 SQ. IN./LIN. FT.
 2487 SQ. IN./18 SQ. IN./LIN. FT. = 138 LIN. FT.
 TO BE PROVIDED PER PLAN: 30' + 16' = 46 LIN. FT.
 46 LIN. FT. X 18 SQ. IN./LIN. FT. = 828 SQ. IN.
 REMAINDER VENTILATION REQUIRED TO BE MADE UP THROUGH THE USE OF OFF RIDGE VENTS

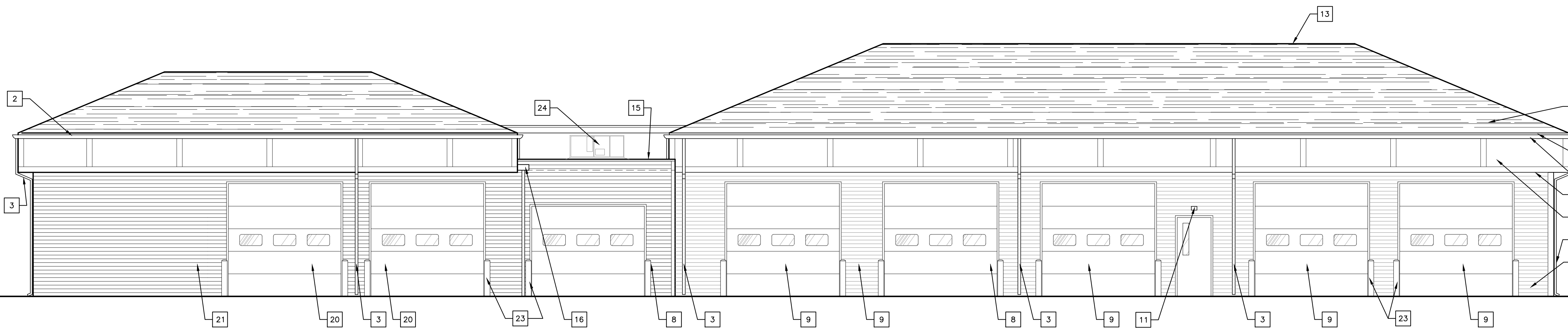
LOWER PORTION OF THE BUILDING ROOF SHALL BE VENTILATED BY VENTILATED SOFFIT PANELS PROVIDING A TOTAL FREE AREA EQUAL TO THE TOTAL OF THE RIDGE VENTS (2487 SQ. IN.).



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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 ENGINEER'S SITE FINISHED GRADES FOR ELEVATIONS AND LOCATIONS OF BRICK LEDGES, VENTS, BOTTOM OF FOOTERS, STEPS AND RAMPS, ETC..



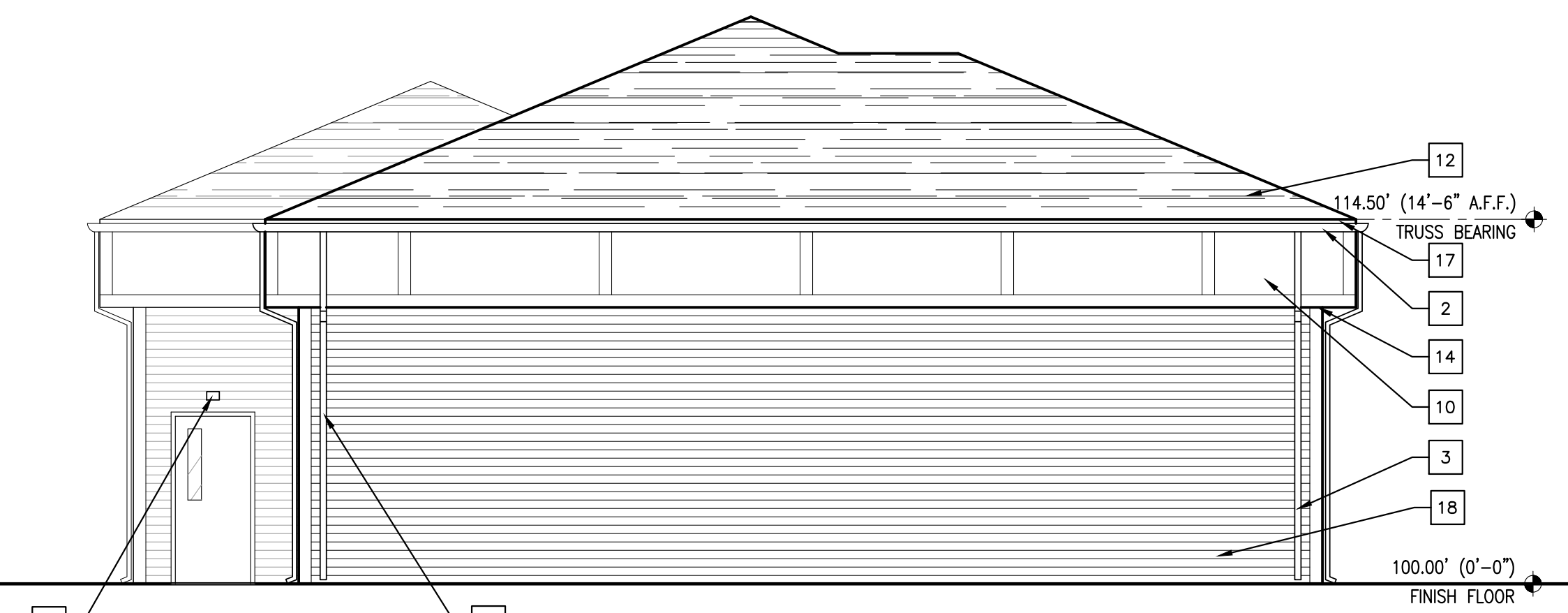
1 NORTH ELEVATION
 SCALE: 3/16"=1'-0"

KEYNOTES:

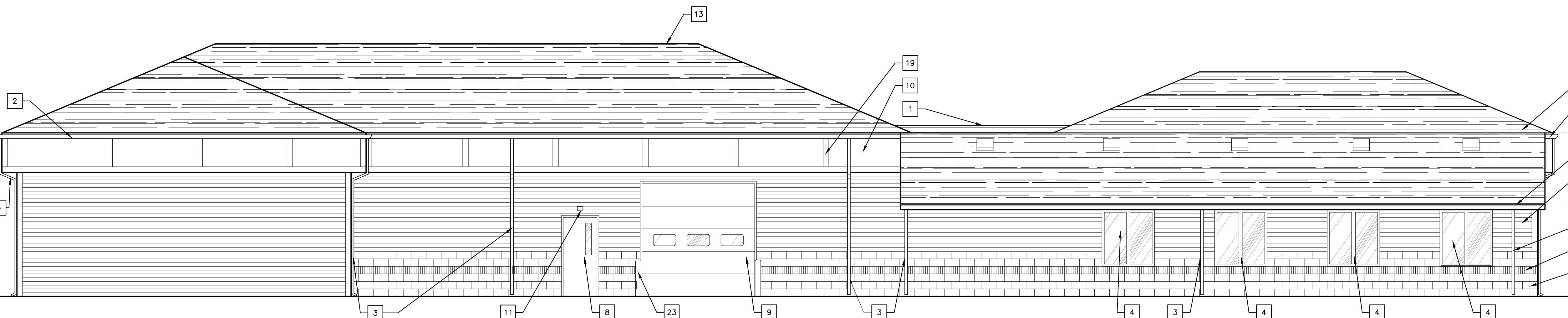
- PREFINISHED METAL PARAPET CAP, DARK BRONZE
- PREFINISHED METAL GUTTER, COLOR TO MATCH EXISTING
- PREFINISHED METAL DOWNSPOUTS, COLOR TO MATCH EXISTING
- WINDOW UNIT, (SEE WINDOW SCHEDULE).
- SPLITFACED CMU, COLOR TO MATCH EXISTING
- FLUTED, SPLITFACED CMU, COLOR TO MATCH EXISTING
- SIGNAGE BY OWNER
- INSULATED METAL DOOR, COLOR TO MATCH EXISTING
- METAL OVERHEAD INSULATED DOOR, COLOR TO MATCH EXISTING
- BOARD AND BATTEN PANELING, COLOR TO MATCH EXISTING
- LIGHT FIXTURE, SEE ELECTRICAL
- ARCHITECTURAL SHINGLE, COLOR TO MATCH EXISTING
- CONTINUOUS RIDGE VENT
- VENTED VINYL SOFFIT, COLOR TO MATCH EXISTING
- EPDM ROOFING MEMBRANE AREA.
- METAL WALL SCUPPER
- ALUMINUM WRAPPED FASCIA
- VINYL SIDING, PROFILE AND COLOR TO MATCH EXISTING
- BATTEN STRIP
- EXISTING O.H. DOOR
- EXISTING INSULATED DOOR
- EXISTING VINYL CASEMENT WINDOW
- OPTIONAL CONC. FILLED METAL BOLLARDS (PAINTED SAFETY YELLOW) SEE DETAIL 1/S000.
- ROOF TOP UNIT LOCATION (SEE MECHANICAL)



2 EAST ELEVATION
 SCALE: 3/16"=1'-0"



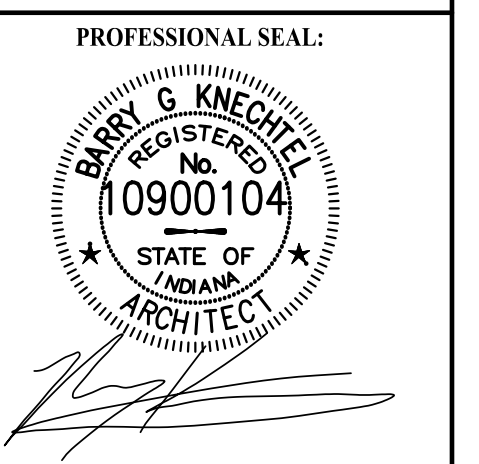
3 WEST ELEVATION
 SCALE: 3/16"=1'-0"



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

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

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PROJECT DATE:
09/02/16

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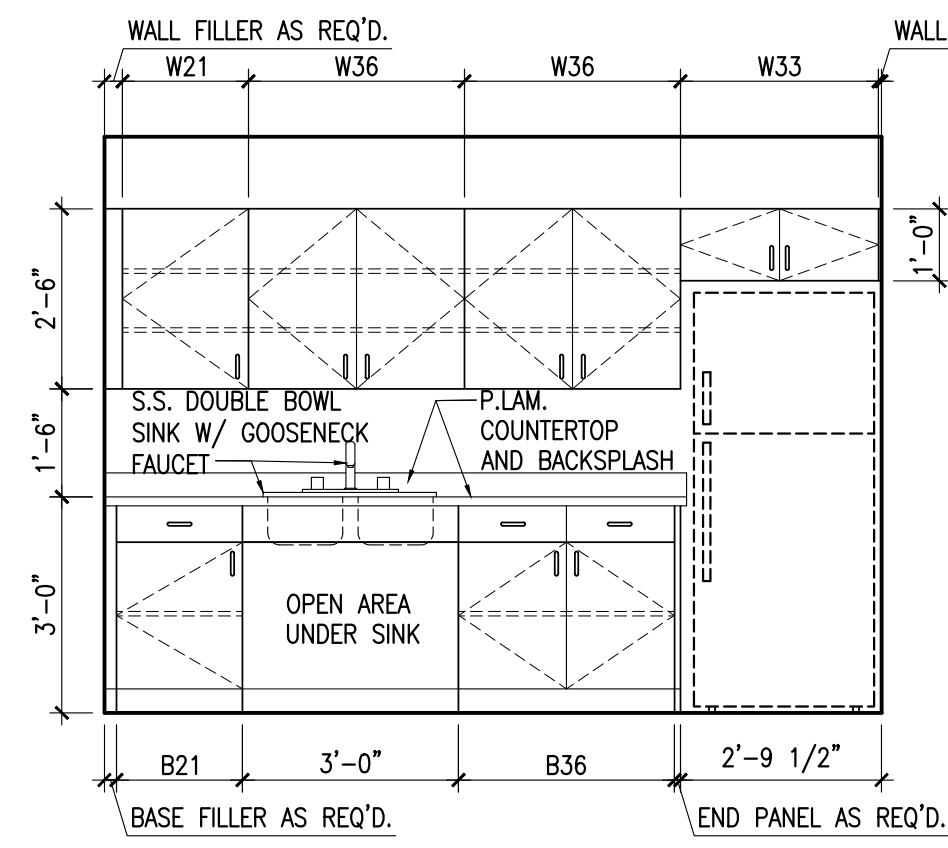
PROJECT NUMBER: **A2016.077** DRAWN BY:

DRAWING TITLE:
EXTERIOR ELEVATIONS

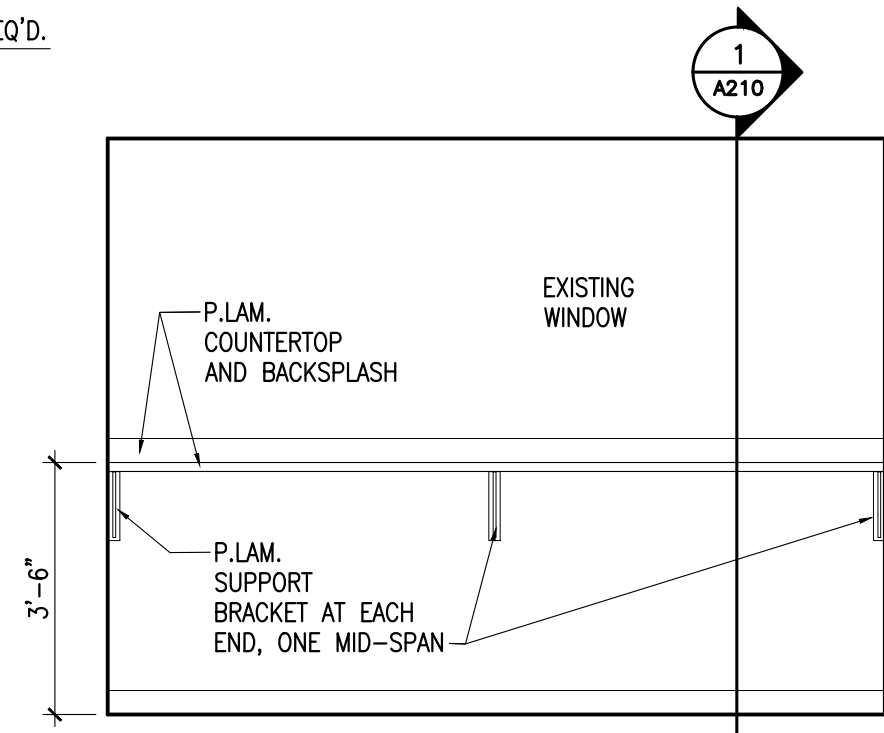
SHEET NUMBER:
A200



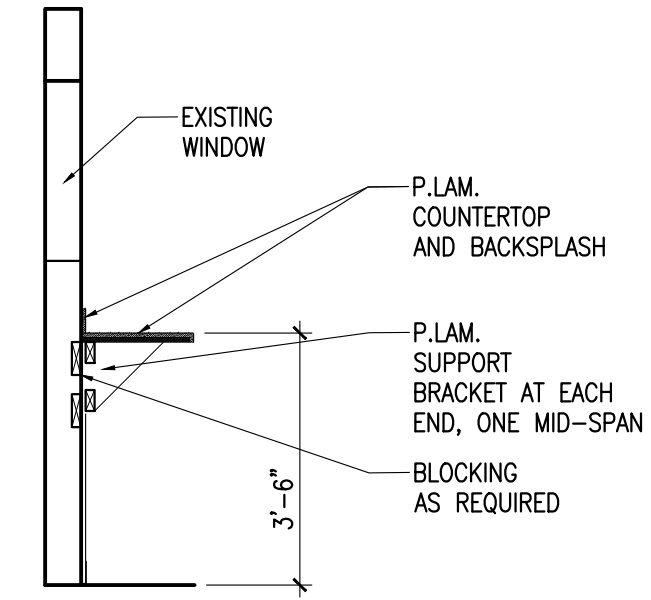
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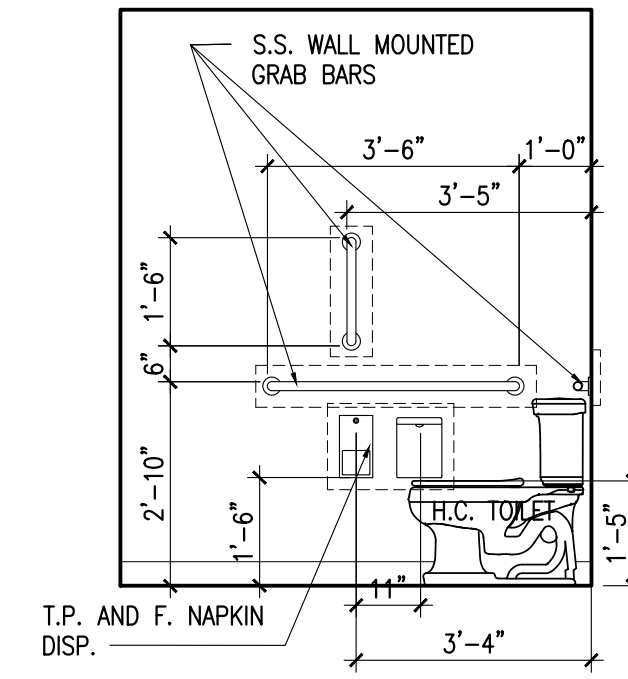
1 BREAK ROOM - 113 (WEST WALL)
 SCALE: 3/8"=1'-0"



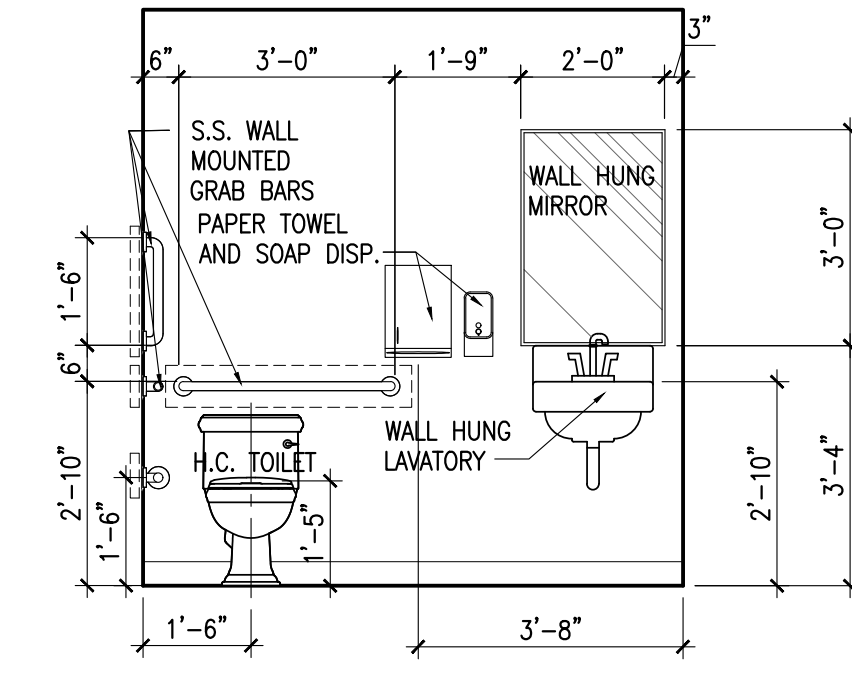
2 BREAK ROOM - 113 (EAST WALL)
 SCALE: 3/8"=1'-0"



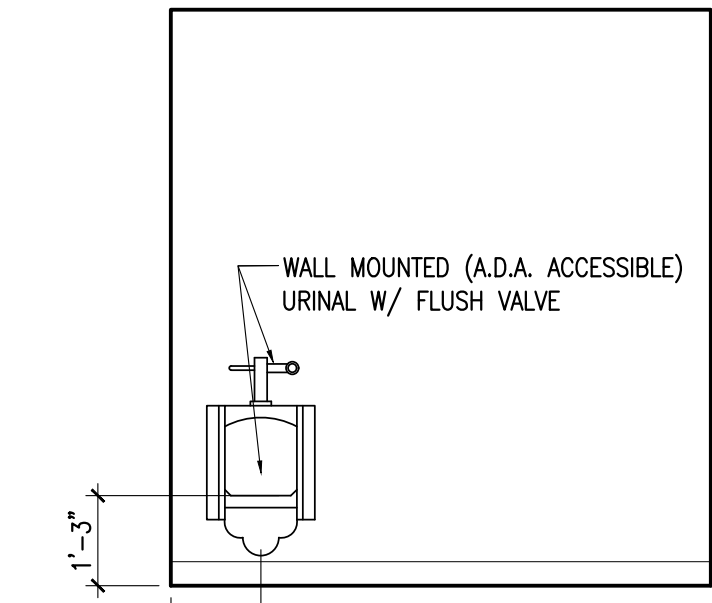
1 SECTION @ WORK COUNTER
 SCALE: 3/8"=1'-0"



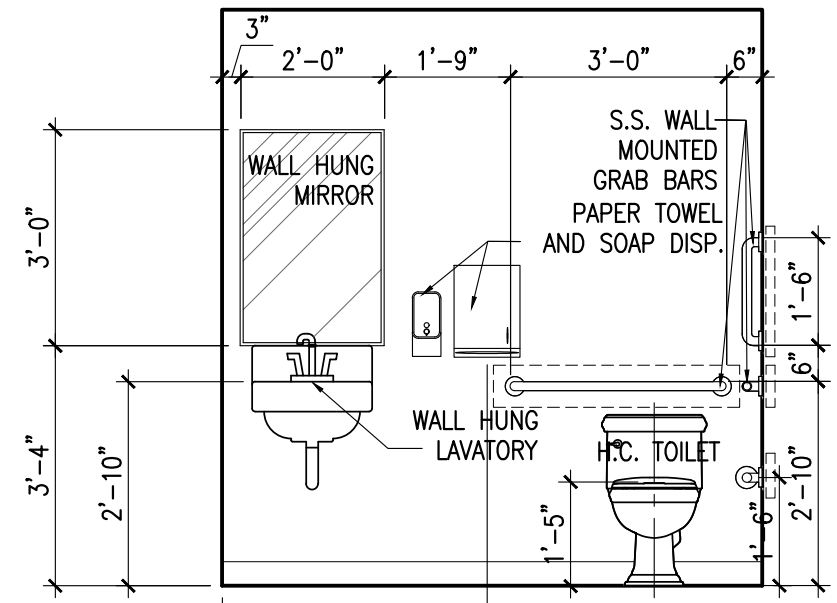
3 REST ROOM - 105 (SOUTH WALL)
 SCALE: 3/8"=1'-0"



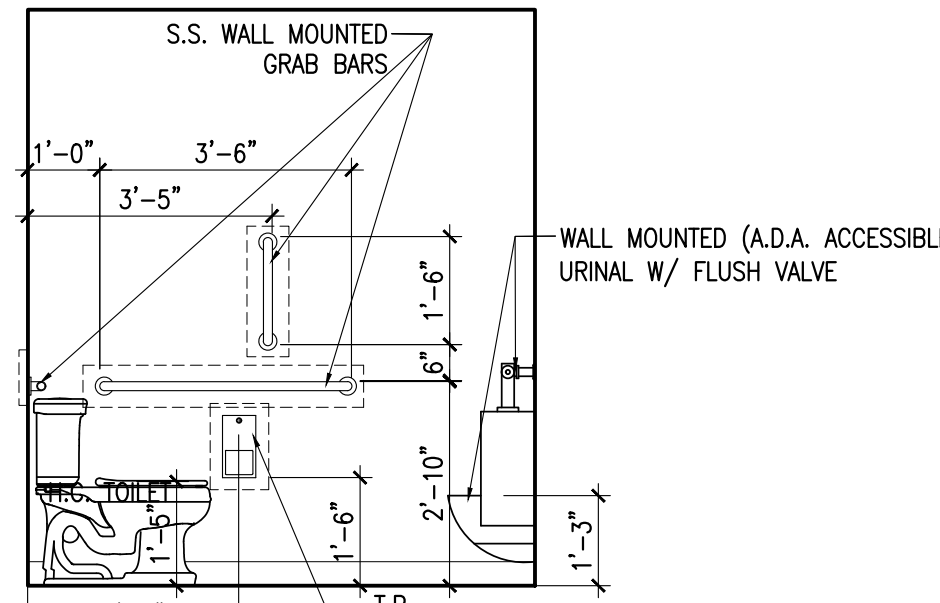
4 REST ROOM - 105 (WEST WALL)
 SCALE: 3/8"=1'-0"



5 REST ROOM - 108 (WEST WALL)
 SCALE: 3/8"=1'-0"



6 REST ROOM - 108 (EAST WALL)
 SCALE: 3/8"=1'-0"

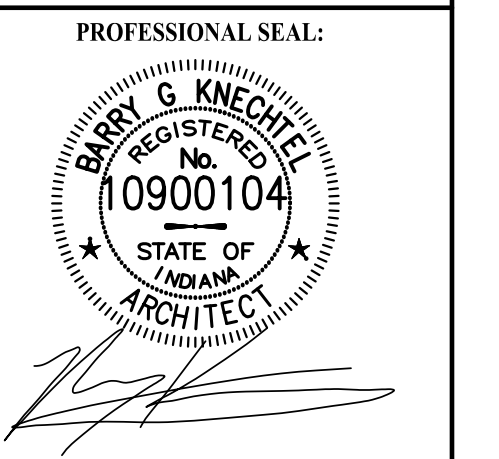


7 REST ROOM - 108 (SOUTH WALL)
 SCALE: 3/8"=1'-0"

PROJECT TITLE:
AUTO EXPRESS GARAGE ADDITION

2306 VETERANS MEMORIAL PARKWAY SOUTH
 LAFAYETTE, IN 47909

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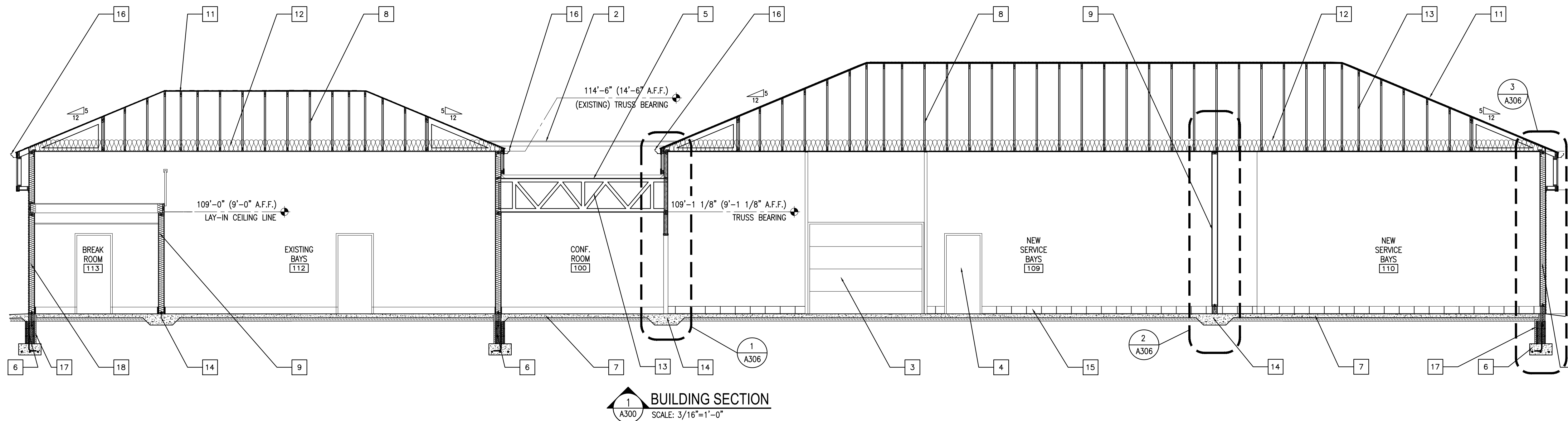
PROJECT DATE:
09/02/16

No.	DESCRIPTION:	DRAWN BY:	DATE ISSUED:

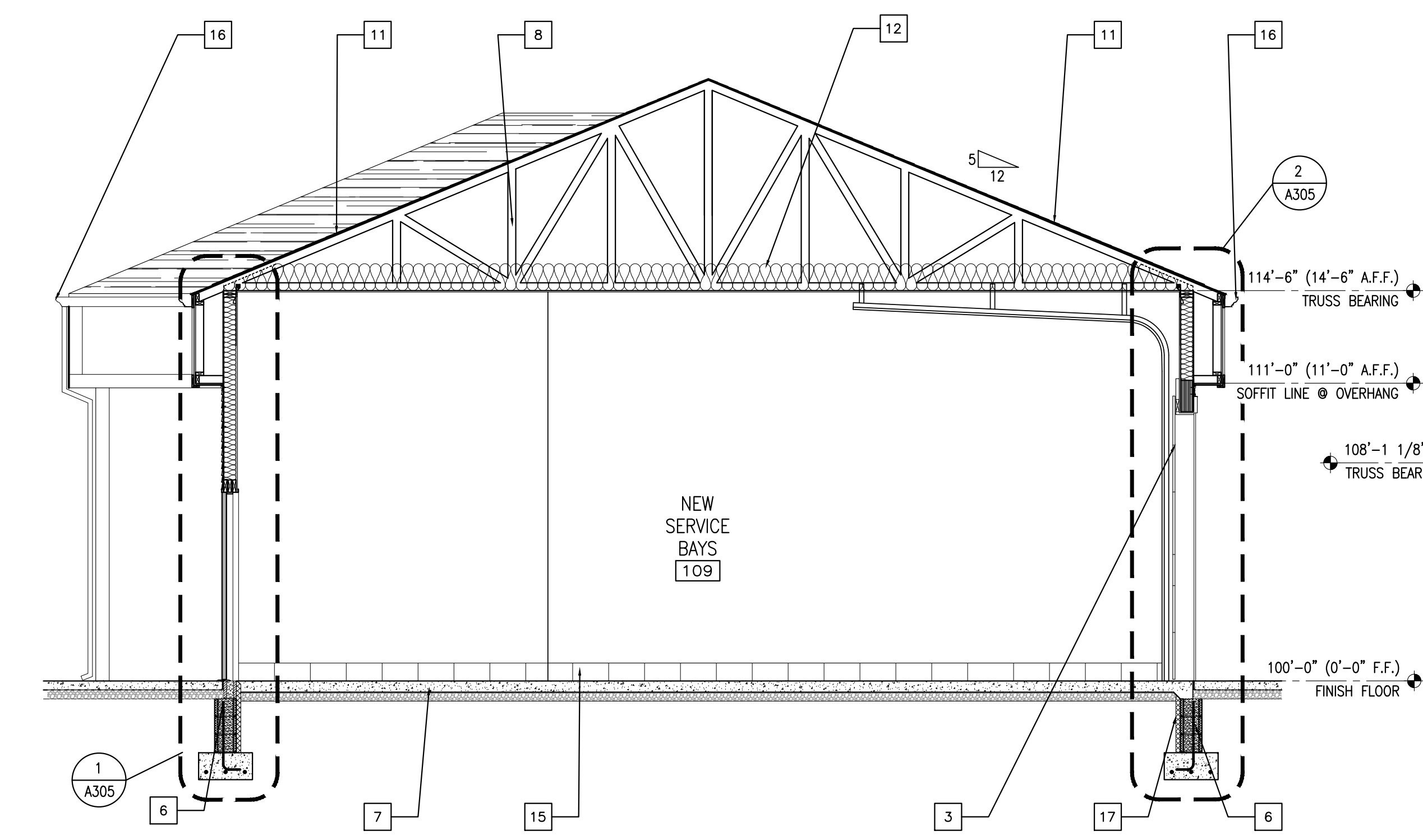
PROJECT NUMBER: **A2016.077** DRAWN BY:

DRAWING TITLE:
INTERIOR ELEVATIONS

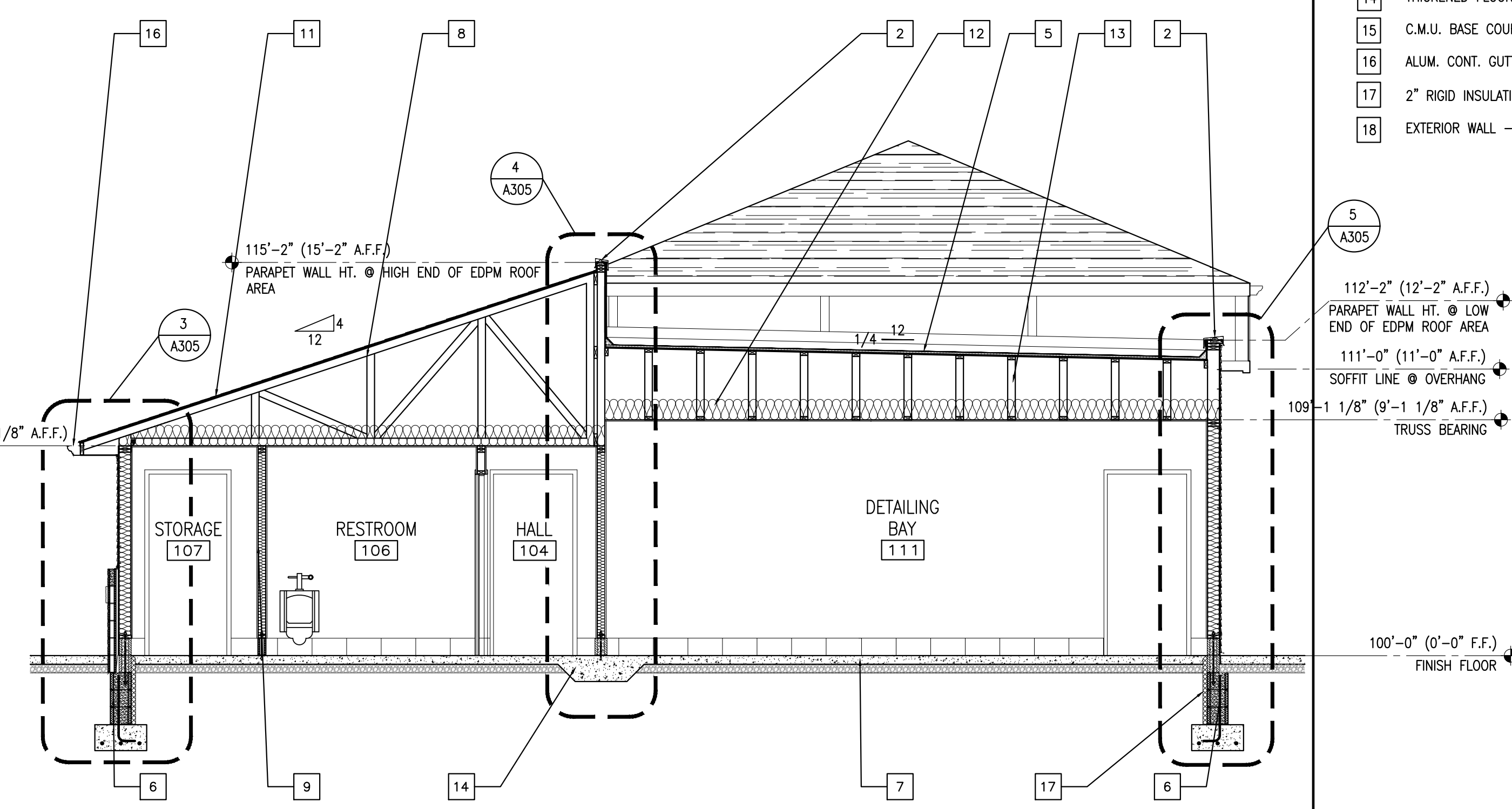
SHEET NUMBER:
A210



1 BUILDING SECTION
SCALE: 3/16"=1'-0"



2 BUILDING SECTION
SCALE: 1/4"=1'-0"



3 BUILDING SECTION
SCALE: 1/4"=1'-0"

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.
- UTILITY ENTRANCE EQUIPMENT SHALL BE PAINTED A COLOR TO MATCH ADJACENT SURFACE UNLESS PAINT WOULD INTERFERE WITH EQUIPMENT OPERATION AS DIRECTED BY THE UTILITY COMPANY. VERIFY WITH ARCHITECT.
- COORDINATE FINAL GRADE LINES WITH THE CIVIL ENGINEERS SITE FINISHED GRADES FOR ELEVATIONS AND LOCATIONS OF VENTS, BOTTOM OF FOOTERS, STEPS AND RAMPS, ETC..

KEY NOTES:

- HORIZONTAL VINYL SIDING - SEE EXTERIOR ELEVATIONS.
- METAL COPING CAP - SEE EXTERIOR ELEVATIONS.
- OVERHEAD DOOR LOCATION - SEE DOOR SCHEDULE.
- MAN DOOR LOCATION - SEE DOOR SCHEDULE.
- EDPM ROOFING - SEE ROOF PLAN.
- CONC. FOUNDATION WALL - SEE FOUNDATION PLAN.
- CONC. FLOOR SLAB - SEE FOUNDATION PLAN.
- ROOF TRUSS - SEE FRAMING PLAN.
- INTERIOR WALL - SEE WALL TYPES.
- GRADE LINE.
- FIBERGLASS/ASPHALT ROOF SHINGLE. - SEE ROOF PLAN
- R-38 ATTIC INSULATION.
- OPEN WEB WOOD ROOF TRUSS - SEE FRAMING.
- THICKENED FLOOR SLAB LOCATION - SEE STRUCTURAL.
- C.M.U. BASE COURSE AT WALL - SEE STRUCTURAL.
- ALUM. CONT. GUTTER - SEE BUILDING ELEVATIONS.
- 2" RIGID INSULATION - SEE FOUNDATION DETAILS.
- EXTERIOR WALL - SEE WALL TYPES.

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PROFESSIONAL SEAL:

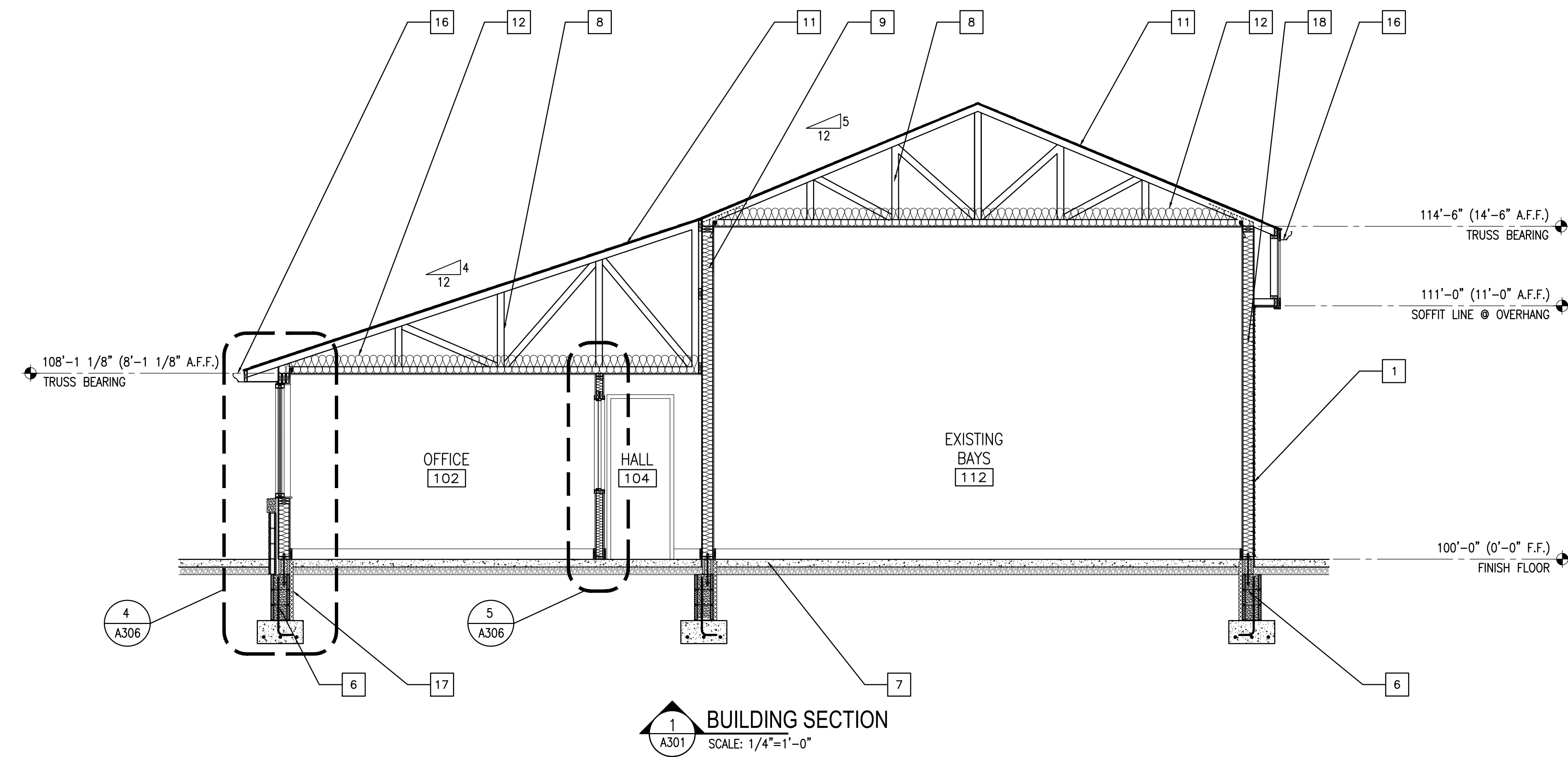
PROJECT DATE:
09/02/16

No.	DESCRIPTION	DRAWN BY	DATE ISSUED

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

DRAWING TITLE:
BUILDING SECTIONS

SHEET NUMBER:
A300



BUILDING SECTION
 SCALE: 1/4"=1'-0"

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.
- 3 UTILITY ENTRANCE EQUIPMENT SHALL BE PAINTED A COLOR TO MATCH ADJACENT SURFACE UNLESS PAINT WOULD INTERFERE WITH EQUIPMENT OPERATION AS DIRECTED BY THE UTILITY COMPANY. VERIFY WITH ARCHITECT.
- 4 COORDINATE FINAL GRADE LINES WITH THE CIVIL ENGINEERS SITE FINISHED GRADES FOR ELEVATIONS AND LOCATIONS OF VENTS, BOTTOM OF FOOTERS, STEPS AND RAMPS, ETC..

KEY NOTES:

- 1 HORIZONTAL VINYL SIDING - SEE EXTERIOR ELEVATIONS.
- 2 METAL COPING CAP - SEE EXTERIOR ELEVATIONS.
- 3 OVERHEAD DOOR LOCATION - SEE DOOR SCHEDULE.
- 4 MAN DOOR LOCATION - SEE DOOR SCHEDULE.
- 5 EDPM ROOFING - SEE ROOF PLAN.
- 6 CONC. FOUNDATION WALL - SEE FOUNDATION PLAN.
- 7 CONC. FLOOR SLAB - SEE FOUNDATION PLAN.
- 8 ROOF TRUSS - SEE FRAMING PLAN.
- 9 INTERIOR WALL - SEE WALL TYPES.
- 10 GRADE LINE.
- 11 FIBERGLASS/ASPHALT ROOF SHINGLE - SEE ROOF PLAN
- 12 R-38 ATTIC INSULATION.
- 13 OPEN WEB WOOD ROOF TRUSS - SEE FRAMING.
- 14 THICKENED FLOOR SLAB LOCATION - SEE STRUCTURAL.
- 15 C.M.U. BASE COURSE AT WALL - SEE STRUCTURAL.
- 16 ALUM. CONT. GUTTER - SEE BUILDING ELEVATIONS.
- 17 2" RIGID INSULATION - SEE FOUNDATION DETAILS.
- 18 EXTERIOR WALL - SEE WALL TYPES.

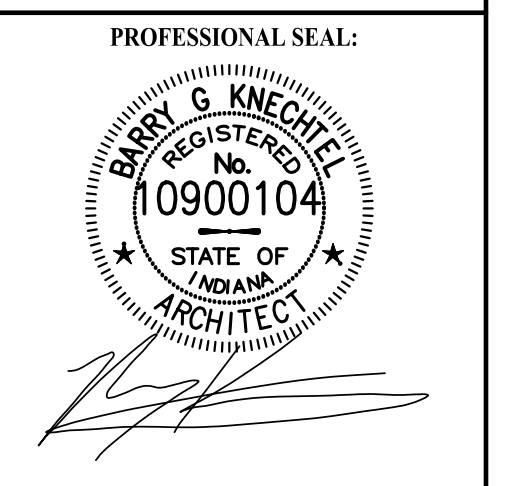


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PROJECT TITLE:
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PROJECT DATE:
 09/02/16

No.	DESCRIPTION:	DRAWN BY:	DATE ISSUED:

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

DRAWING TITLE:
BUILDING SECTIONS

SHEET NUMBER:
A301

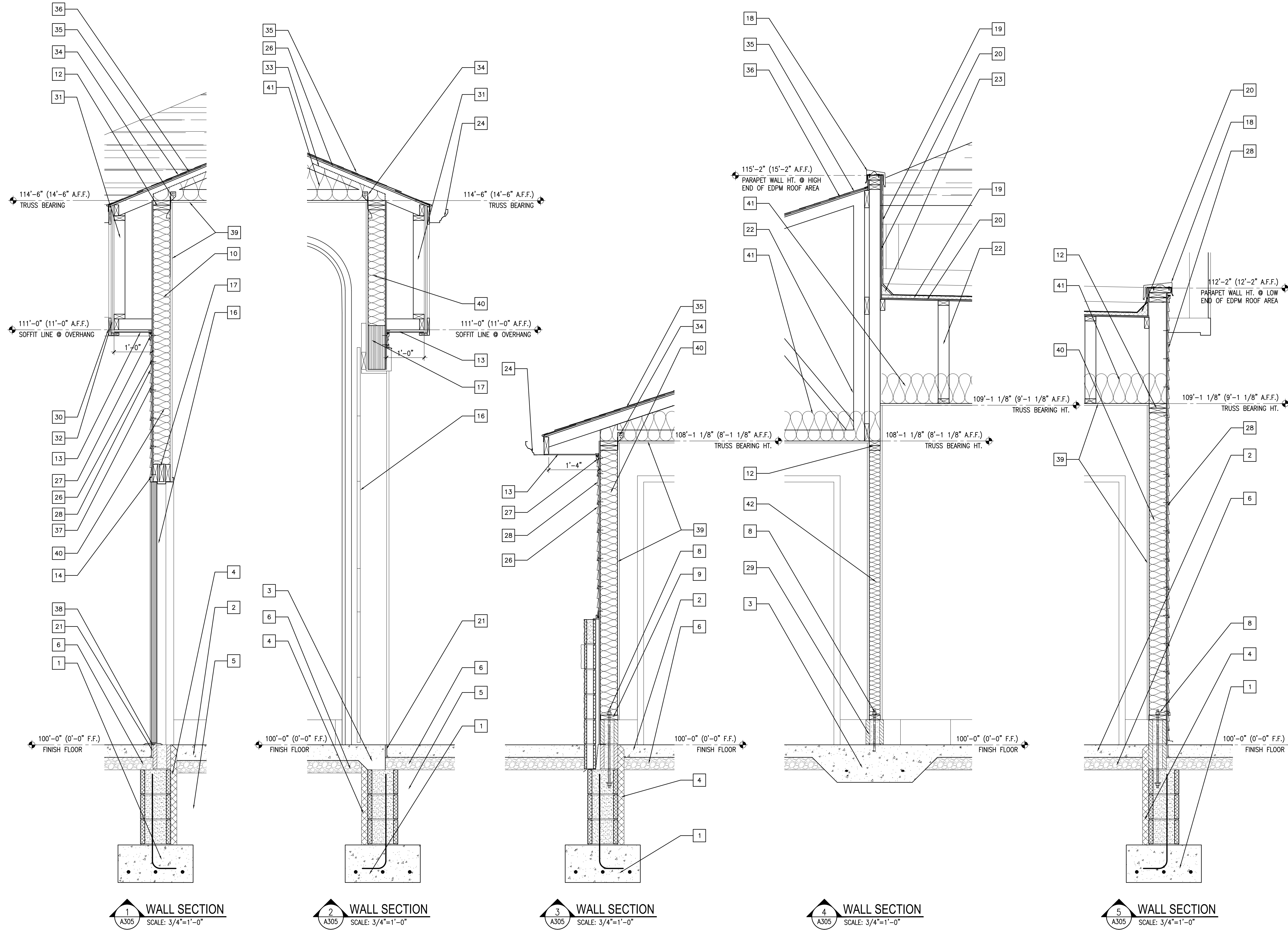


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KEY NOTES

WALL SECTIONS

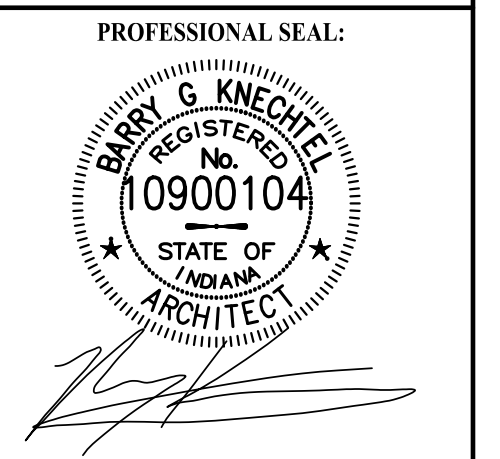
1. CONCRETE FOOTING/FOUNDATION. REFER TO FOUNDATION PLANS, DETAILS AND SCHEDULES
2. REINFORCED CONC. SLAB. REFER TO FOUNDATION PLAN & DETAILS
3. THICKENED SLAB, REFER TO FOUNDATION PLANS, DETAILS AND SCHEDULES
4. 2" RIGID INSULATION
5. UNDISTURBED OR WELL COMPACTED SOIL.
6. 4" MIN. GRANULAR FILL.
7. PROPOSED FINISHED ELEVATION. REFER TO CIVIL ENGINEER FOR ACTUAL FIN. ELEVATION.
8. ANCHOR BOLT CONNECTION FOR CONC. MASONRY UNIT, REFER TO STRUCTURAL FOUNDATION PLAN AND DETAILS.
9. P.T. SILL PLATE (IN SEALANT), REFER TO STRUCTURAL FOR DETAILS.
10. 2X6 WOOD STUD WALL @ 16" O.C.,
11. 2X4 WOOD STUD WALL @ 16" O.C.,
12. DOUBLE TOP PLATE (SIZED PER STUD WALL WIDTH).
13. PRE-FINISHED PERFORATED VINYL SOFFIT PANEL. (TO MATCH EXISTING).
14. SEALANT WITH BACKER ROD.
15. SILL FLASHING.
16. DOOR/WINDOW ASSEMBLY, REFER TO DOOR/WINDOW SCHEDULE FOR TYPE AND SIZE.
17. BEAM/HEADER. PROVIDE BEAM OR HEADER PER SCHEDULE ON FRAMING PLAN.
18. METAL COPING CAP.
19. SINGLE-SLOPE EDPM ROOFING, REFER TO ROOF PLAN.
20. ROOF DECKING PER EDPM ROOFING RECOMMENDATIONS.
21. 1/2" EXPANSION MATERIAL
22. OPEN WEB WOOD TRUSS/JOIST, REFER TO FRAMING PLAN FOR SIZE AND LOCATIONS.
23. ROOF TO WALL FLASHING WITH CANT. BLOCKING.
24. ALUM. CONT. GUTTERING
25. ALUM. DOWNSPOUT BEYOND.
26. 5/8" O.S.B. SHEATHING, REFER TO STRUCTURAL DETAILS.
27. VINYL TRIM MOLDING (PER VINYL SIDING MANUF.)
28. VINYL HORIZONTAL SIDING (PER VINYL SIDING MANUF.)
29. CONC. MASONRY UNIT BASE COURSE (@ NEW WALL CONST. AREAS ONLY).
30. R.S CEDAR WOOD TRIM. (SIZE/TYPE TO MATCH EXISTING).
31. 2X FRAMING AS REQUIRED.
32. EXT. RATED PLYWD. FINISH GRADE SIDING (TO MATCH EXISTING.)
33. INSUL. BAFFLE (BETWEEN TRUSSES).
34. ROOF TRUSS ANCHOR BRACKET (EQUAL TO SIMPSON STRONG-TIE H2.5)
35. FIBERGLASS/ASPHALT ROOFING SHINGLES (TO MATCH EXISTING).
36. 30# ROOFING UNDERLAYMENT MATERIAL.
37. VAPOR RETARDER WALL WRAP (EQUAL TO: TYVEK).
38. ALUM. DOOR THRESHOLD (SET IN SEALANT).
39. 5/8" GYPSUM BOARD (TYPE "X" WHERE REQUIRED).
40. R-21 WALL BATT INSULATION.
41. R-38 CEILING BATT INSULATION.
42. R-13 WALL SOUND BATT INSULATION.
43. ALUM. FULL HT. WALL PANEL W/ TRIM AS REQUIRED.
44. ALUM. DRIP EDGE



PROJECT TITLE:
AUTO EXPRESS GARAGE ADDITION

2306 VETERANS MEMORIAL PARKWAY SOUTH
 LAFAYETTE, IN 47909

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PROJECT DATE:
09/02/16

No.	DESCRIPTION	DRAWN BY	DATE ISSUED

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

DRAWING TITLE:
WALL SECTIONS

SHEET NUMBER:

A305

SHEET NOTES

WALL SECTIONS

- A. REFER TO SHEET A120 FOR GENERAL NOTES.
- B. REFER TO STRUCTURAL DRAWINGS FOR ALL ANCHORAGE REQUIREMENTS.

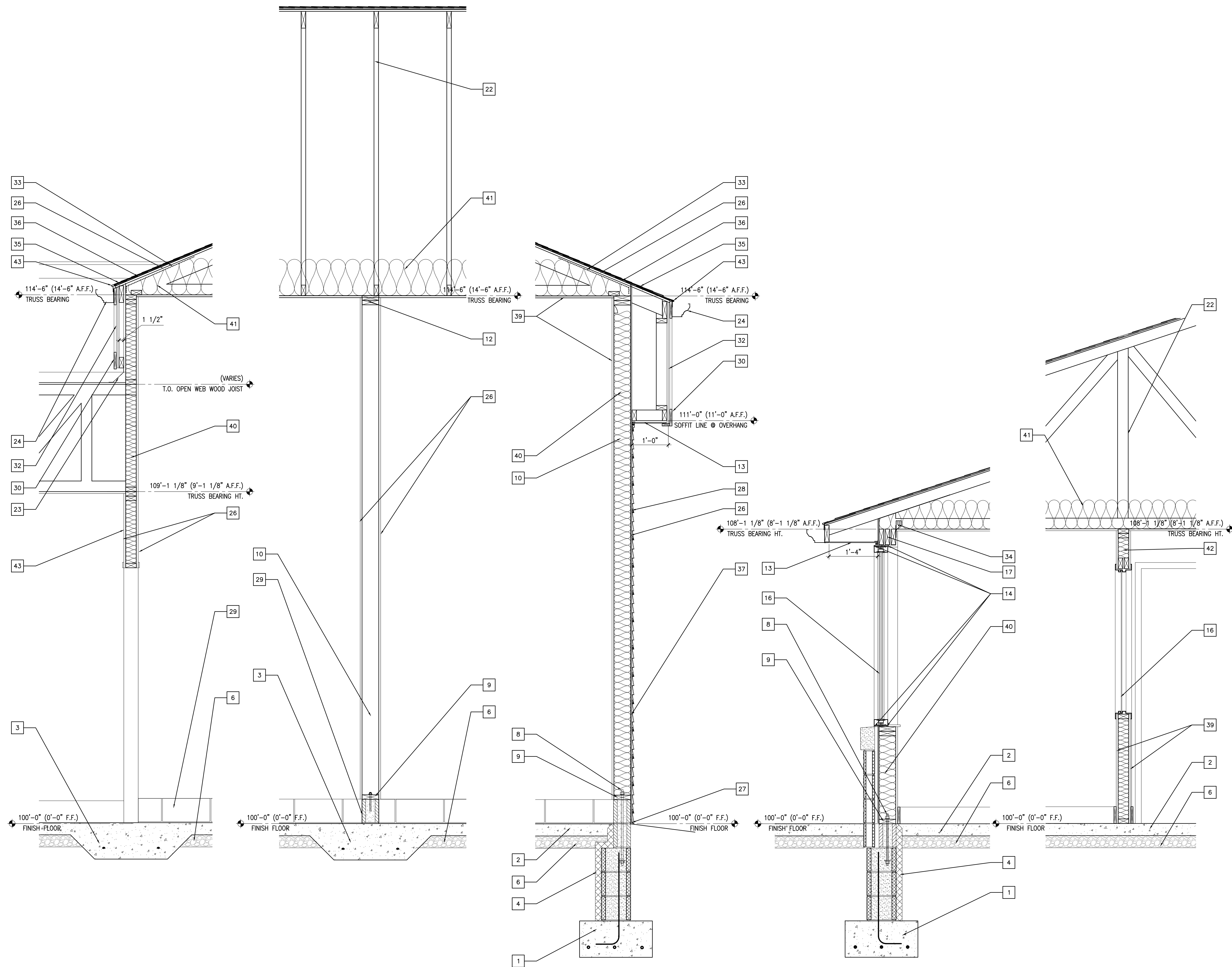


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KEY NOTES

WALL SECTIONS

1. CONCRETE FOOTING/FOUNDATION. REFER TO FOUNDATION PLANS, DETAILS AND SCHEDULES
2. REINFORCED CONC. SLAB. REFER TO FOUNDATION PLAN & DETAILS
3. THICKENED SLAB, REFER TO FOUNDATION PLANS, DETAILS AND SCHEDULES
4. 2" RIGID INSULATION
5. UNDISTURBED OR WELL COMPACTED SOIL.
6. 4" MIN. GRANULAR FILL.
7. PROPOSED FINISHED ELEVATION. REFER TO CIVIL ENGINEER FOR ACTUAL FIN. ELEVATION.
8. ANCHOR BOLT CONNECTION FOR CONC. MASONRY UNIT, REFER TO STRUCTURAL FOUNDATION PLAN AND DETAILS.
9. P.T. SILL PLATE (IN SEALANT), REFER TO STRUCTURAL FOR DETAILS.
10. 2X6 WOOD STUD WALL @ 16" O.C..
11. 2X4 WOOD STUD WALL @ 16" O.C..
12. DOUBLE TOP PLATE (SIZED PER STUD WALL WIDTH).
13. PRE-FINISHED PERFORATED VINYL SOFFIT PANEL. (TO MATCH EXISTING).
14. SEALANT WITH BACKER ROD.
15. SILL FLASHING.
16. DOOR/WINDOW ASSEMBLY, REFER TO DOOR/WINDOW SCHEDULE FOR TYPE AND SIZE.
17. BEAM/HEADER. PROVIDE BEAM OR HEADER PER SCHEDULE ON FRAMING PLAN.
18. METAL COPING CAP.
19. SINGLE-SLOPE EDPM ROOFING, REFER TO ROOF PLAN.
20. ROOF DECKING PER EDPM ROOFING RECOMMENDATIONS.
21. 1/2" EXPANSION MATERIAL
22. OPEN WEB WOOD TRUSS/JOIST, REFER TO FRAMING PLAN FOR SIZE AND LOCATIONS.
23. ROOF TO WALL FLASHING WITH CANT. BLOCKING.
24. ALUM. CONT. GUTTERING
25. ALUM. DOWNSPOUT BEYOND.
26. 5/8" O.S.B. SHEATHING, REFER TO STRUCTURAL DETAILS.
27. VINYL TRIM MOLDING (PER VINYL SIDING MANUF.)
28. VINYL HORIZONTAL SIDING (PER VINYL SIDING MANUF.)
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31. 2X FRAMING AS REQUIRED.
32. EXT. RATED PLYWD. FINISH GRADE SIDING (TO MATCH EXISTING.)
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42. R-13 WALL SOUND BATT INSULATION.
43. ALUM. FULL HT. WALL PANEL W/ TRIM AS REQUIRED.
44. ALUM. DRIP EDGE



1 WALL SECTION
A306 SCALE: 3/4"=1'-0"

2 WALL SECTION
A306 SCALE: 3/4"=1'-0"

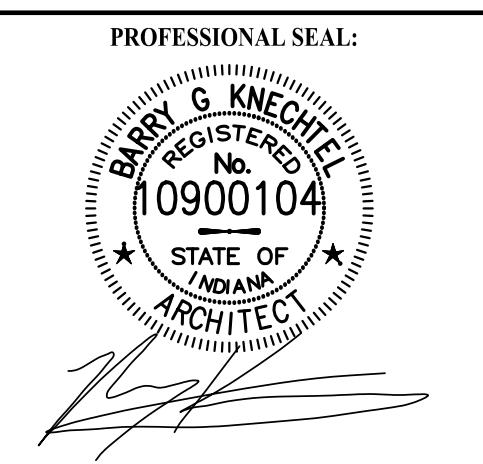
3 WALL SECTION
A306 SCALE: 3/4"=1'-0"

4 WALL SECTION
A306 SCALE: 3/4"=1'-0"

5 WALL SECTION
A306 SCALE: 3/4"=1'-0"

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

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No.	DESCRIPTION	DRAWN BY	DATE ISSUED

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

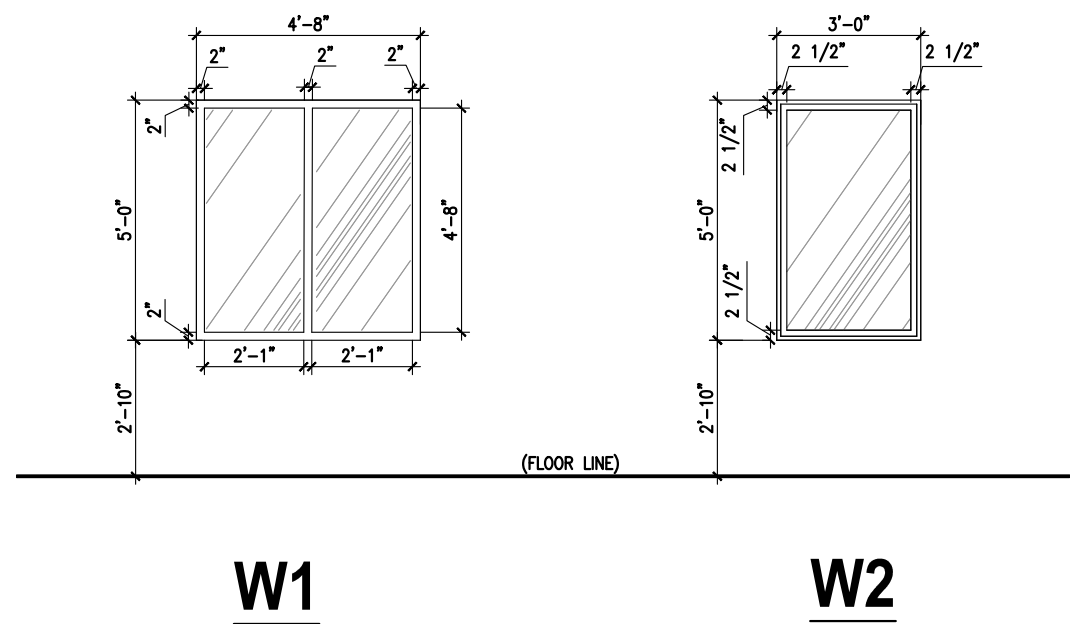
DRAWING TITLE:
WALL SECTIONS

SHEET NUMBER:
A306

WINDOW SCHEDULE

MARK	ELEV.	SIZE		FRAME		DETAIL			GLAZING TYPE	HEADER HEIGHT	REMARKS	FIRE RATING
		WIDTH	HEIGHT	TYPE	FINISH	HEAD	JAMB	SILL				
A	W1	4'-8"	5'-0"	ALUM	ANOD	5/A601	--	6/A601	G1	8'-0"		
B	W2	3'-0"	5'-0"	ALUM	ANOD	7/A601	--	8/A601	G2	8'-0"		

WINDOW ELEVATIONS



GENERAL NOTES:

- OWNER SHALL FURNISH AND INSTALL ALL KEYPED CYLINDERS 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.
 - HM2 HOLLOW METAL FLUSH DOOR, 1-3/4" TOTAL THICKNESS, HEAVY DUTY STANDARD. CECO OR APPROVED EQUAL.
 - HM3 HOLLOW METAL FLUSH DOOR WITH HALF-GLASS PANEL, 1-3/4" TOTAL THICKNESS, HEAVY DUTY STANDARD. CECO OR APPROVED EQUAL.
 - WD1 SOLID CORE WOOD VENEER 6-PANEL TYPE DOOR. PREPPED FOR HARDWARE. MASONITE OR EQUAL.
 - OHD1 SECTIONAL METAL INSULATED OVERHEAD DOOR, CLOPAY OR APPROVED EQUAL.
- FRAMES:**
- DF1 GALVANIZED HOLLOW METAL FRAME, WELDED, 16 GA. MINIMUM COLD ROLLED STEEL, FACTORY PRIMED, CURRIES CM SERIES OR APPROVED EQUAL.
 - DF2 HOLLOW METAL FRAME, KNOCK-DOWN, 16 GA. MIN. COLD ROLLED STEEL, FACTORY PRIMED, CURRIES CM SERIES OR EQUAL.
 - ALUM1 ALUMINUM STOREFRONT, KANNEER 451T SERIES OR APPROVED EQUAL.
 - OHD1 METAL DOOR FRAME AS SUPPLIED BY OVERHEAD DOOR MANUF.

DOOR AND FRAME SCHEDULE

MARK	ROOM	DOOR				FRAME						HEADER HEIGHT	HARDWARE SET NUMBER	REMARKS	FIRE RATING	
		ELEV.	SIZE		TYPE	FINISH	ELEV.	TYPE	FINISH	DETAIL						
			WIDTH	HEIGHT						HEAD	JAMB					SILL
100	HALL	D1	3'-0"	7'-0"	HM1	PT	DF1	DF1	PT	1/A601	--	2/A601	7'-2"	SEE NOTE		
101	SALES OFFICE	D2	3'-0"	7'-0"	WD1	PT	DF2	DF2	PT	3/A601	--	4/A601	7'-2"	SEE NOTE		
102	SALES OFFICE	D2	3'-0"	7'-0"	WD1	PT	DF2	DF2	PT	3/A601	--	4/A601	7'-2"	SEE NOTE		
103A	SALES OFFICE	D2	3'-0"	7'-0"	WD1	PT	DF2	DF2	PT	3/A601	--	4/A601	7'-2"	SEE NOTE		
103B	SALES OFFICE	D2	3'-0"	7'-0"	WD1	PT	DF2	DF2	PT	3/A601	--	4/A601	7'-2"	SEE NOTE		
104	HALL	D3	3'-0"	7'-0"	HM3	PT	DF2	DF2	PT	3/A601	--	4/A601	7'-2"	SEE NOTE		
105	RESTROOM	D2	3'-0"	7'-0"	WD1	PT	DF2	DF2	PT	3/A601	--	4/A601	7'-2"	SEE NOTE		
108	RESTROOM	D2	3'-0"	7'-0"	WD1	PT	DF2	DF2	PT	3/A601	--	4/A601	7'-2"	SEE NOTE		
109A	STORAGE	D2	3'-0"	7'-0"	WD1	PT	DF1	DF2	PT	3/A601	--	4/A601	7'-2"	SEE NOTE		
109B	SERVICE BAYS	D4	10'-0"	10'-0"	OHD1	PRE	DF3	OHD1	--	--	--	--	10'-2"	SEE NOTE		
109C	SERVICE BAYS	D1	3'-0"	7'-0"	HM1	PT	DF1	DF1	PT	1/A601	--	2/A601	7'-2"	SEE NOTE		
109D	SERVICE BAYS	D1	3'-0"	7'-0"	HM1	PT	DF1	FD1	PT	1/A601	--	2/A601	7'-2"	SEE NOTE		
109E	SERVICE BAYS	D4	10'-0"	10'-0"	OHD1	PRE	DF3	OHD1	--	--	--	--	10'-2"	SEE NOTE		
109F	SERVICE BAYS	D4	10'-0"	10'-0"	OHD1	PRE	DF3	OHD1	--	--	--	--	10'-2"	SEE NOTE		
109G	SERVICE BAYS	D4	10'-0"	10'-0"	OHD1	PRE	DF3	OHD1	--	--	--	--	10'-2"	SEE NOTE		
110A	SERVICE BAYS	D4	10'-0"	10'-0"	OHD1	PRE	DF3	OHD1	--	--	--	--	10'-2"	SEE NOTE		
110B	SERVICE BAYS	D4	10'-0"	10'-0"	OHD1	PRE	DF3	OHD1	--	--	--	--	10'-2"	SEE NOTE		
111	DETAILING BAY	D1	3'-0"	7'-0"	HM1	PT	DF2	DF2	PT	3/A601	--	4/A601	7'-2"	SEE NOTE		
111A	DETAILING BAY	D4	10'-0"	8'-0"	OHD1	PRE	DF3	OHD1	--	--	--	--	8'-2"	SEE NOTE		
112	EXISTING BAYS	D3	3'-0"	7'-0"	HM3	PT	DF2	DF2	PT	3/A601	--	4/A601	7'-2"	SEE NOTE		
113	BREAK ROOM	D3	3'-0"	7'-0"	HM3	PT	DF2	DF2	PT	3/A601	--	4/A601	7'-2"	SEE NOTE		
114	SALES OFFICE	D2	3'-0"	7'-0"	WD1	PT	DF2	DF2	PT	3/A601	--	4/A601	7'-2"	SEE NOTE		
114A	SALES OFFICE	D1	3'-0"	6'-8"	HM1	PT	DF1	DF1	PT	EXISTING	--	EXISTING	EXISTING	SEE NOTE	VERIFY EXISTING DOOR SIZE (REPLACE TO MATCH EXISTING)	
EX1	EXISTING BAYS	--	--	--	--	--	--	--	--	--	--	--	--	SEE NOTE	VERIFY EXISTING OVERHEAD DOOR CONDITION REPAIR/REPLACE COMPONENTS AS REQUIRED.	
EX2	EXISTING BAYS	--	--	--	--	--	--	--	--	--	--	--	--	SEE NOTE	VERIFY EXISTING OVERHEAD DOOR CONDITION REPAIR/REPLACE COMPONENTS AS REQUIRED.	

DOOR & FRAME FINISH AND GLAZING LEGEND:

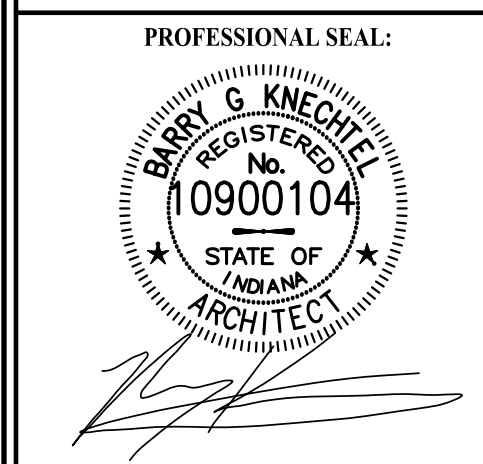
- GLAZING:**
- G1 STANDARD EXTERIOR GLAZING: 1" INSULATING CLEAR/CLEAR GLASS ASSEMBLY USING (2) 1/4" THICK GLASS PANE W/ 1/2" AIR SPACE BETWEEN AND SPUTTERED LOW-E COATING ON #2 SURFACE. PPG SOLARBAN 60 OR EQUAL, VLT 70%, U-VALUE 0.35, SHGC 0.44, SC 0.44, UV TRANS. 19%, EXTERIOR VISIBLE REFLECTANCE 11%. 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.
 - PRE PREFINISHED PER DOOR MANUFACTURER.

DOOR HARDWARE

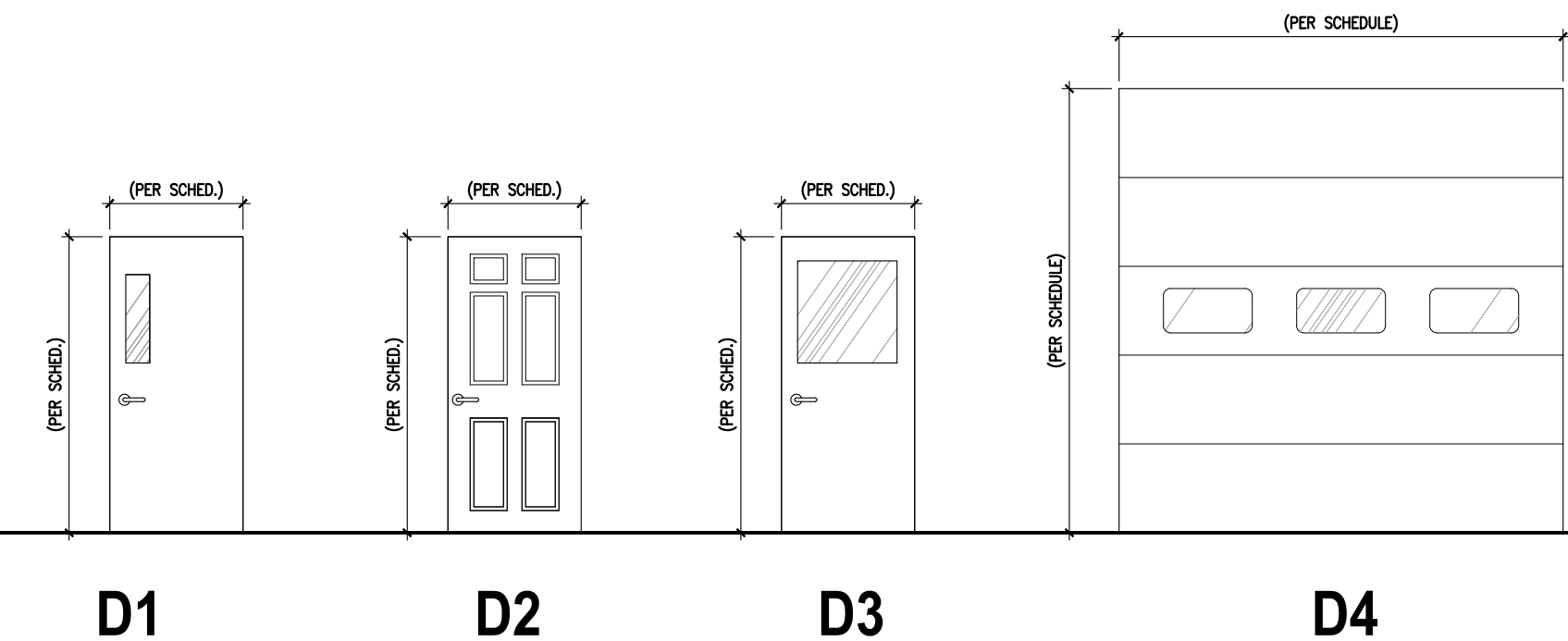
- HARDWARE STANDARDS:**
- LEVER HARDWARE: SCHLAGE AL SERIES, FINISH US26D
 - CLOSERS: LCN 4040 SERIES W/ HOLD OPEN
 - EXIT DEVICES: VON DUPRIN 35A SERIES
 - EXIT HINGES: MCKINNEY #MPB79, PLAIN STEEL
 - OVERHEAD STOP: GLYNN-JOHNSON #100 SERIES, CONCEALED
- VERIFY ALL FINISHES WITH OWNER PRIOR TO ORDERING 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.

PROJECT TITLE:
AUTO EXPRESS GARAGE ADDITION
 2306 VETERANS MEMORIAL PARKWAY SOUTH
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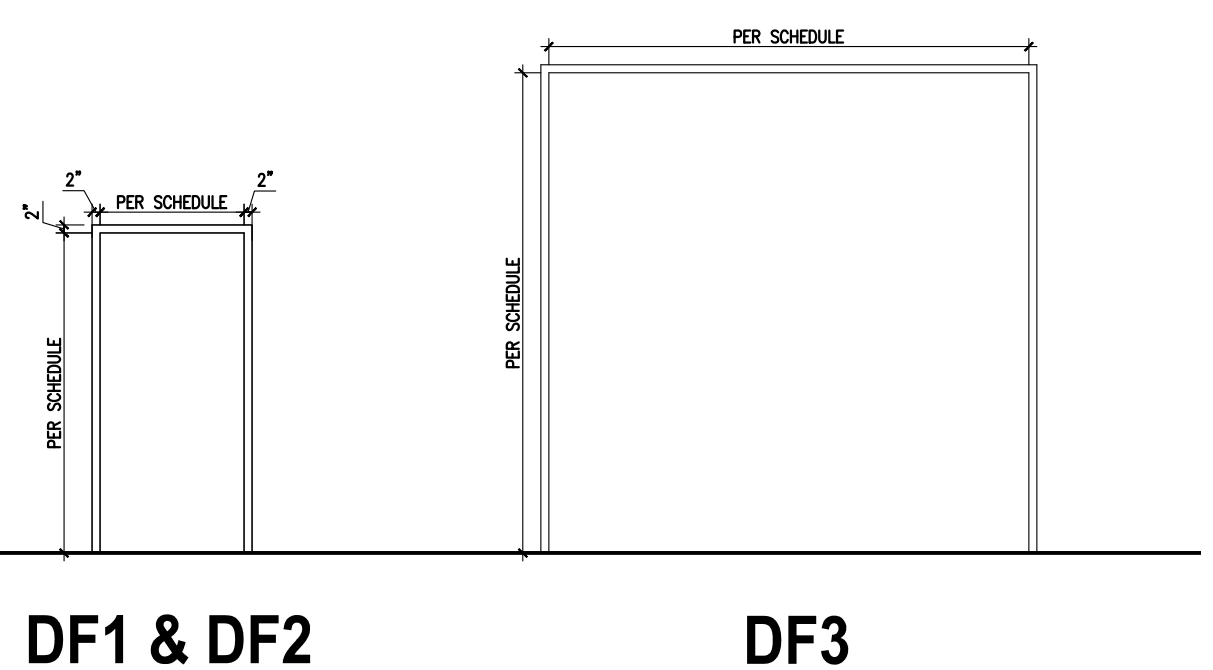
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DOOR ELEVATIONS



DOOR FRAME ELEVATIONS



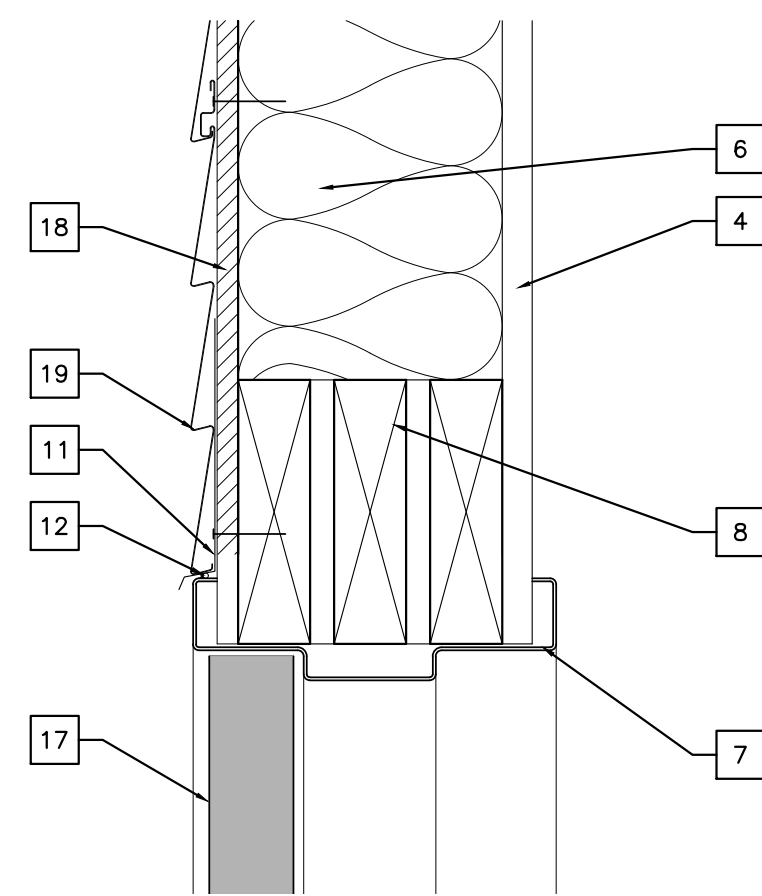
PROJECT DATE:
09/02/16

No.	DESCRIPTION	DRAWN BY	DATE ISSUED

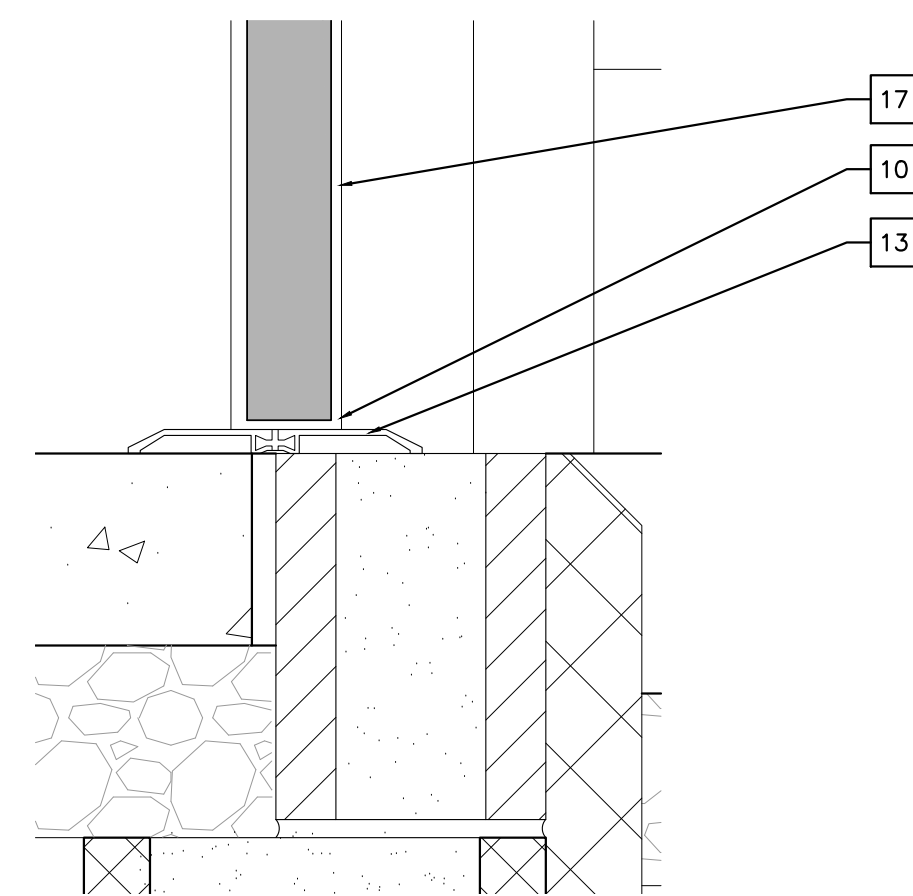
PROJECT NUMBER: **A2016.077** DRAWN BY:

DRAWING TITLE:
DOOR AND WINDOW SCHEDULES

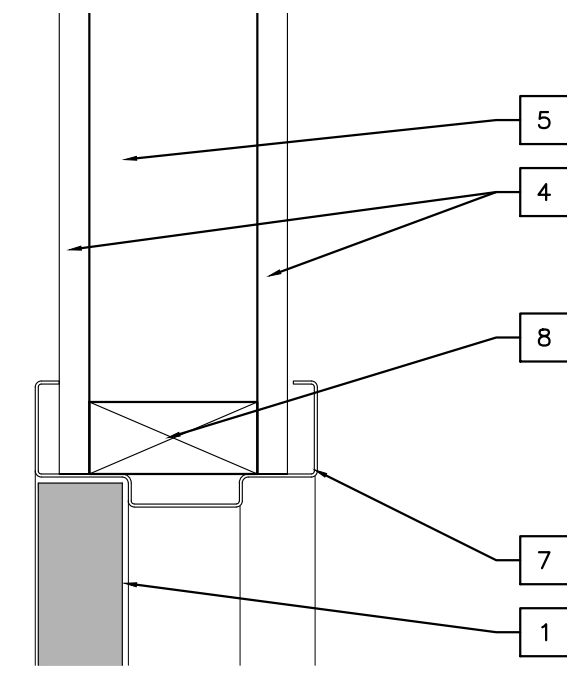
SHEET NUMBER:
A600



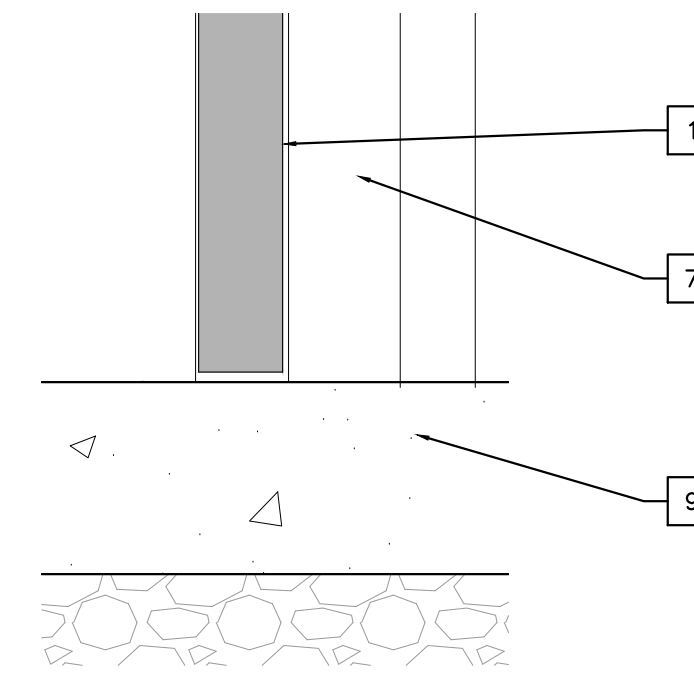
1 H.M. EXTERIOR DOOR FRAME HEAD DETAIL
SCALE: 3"=1'-0"



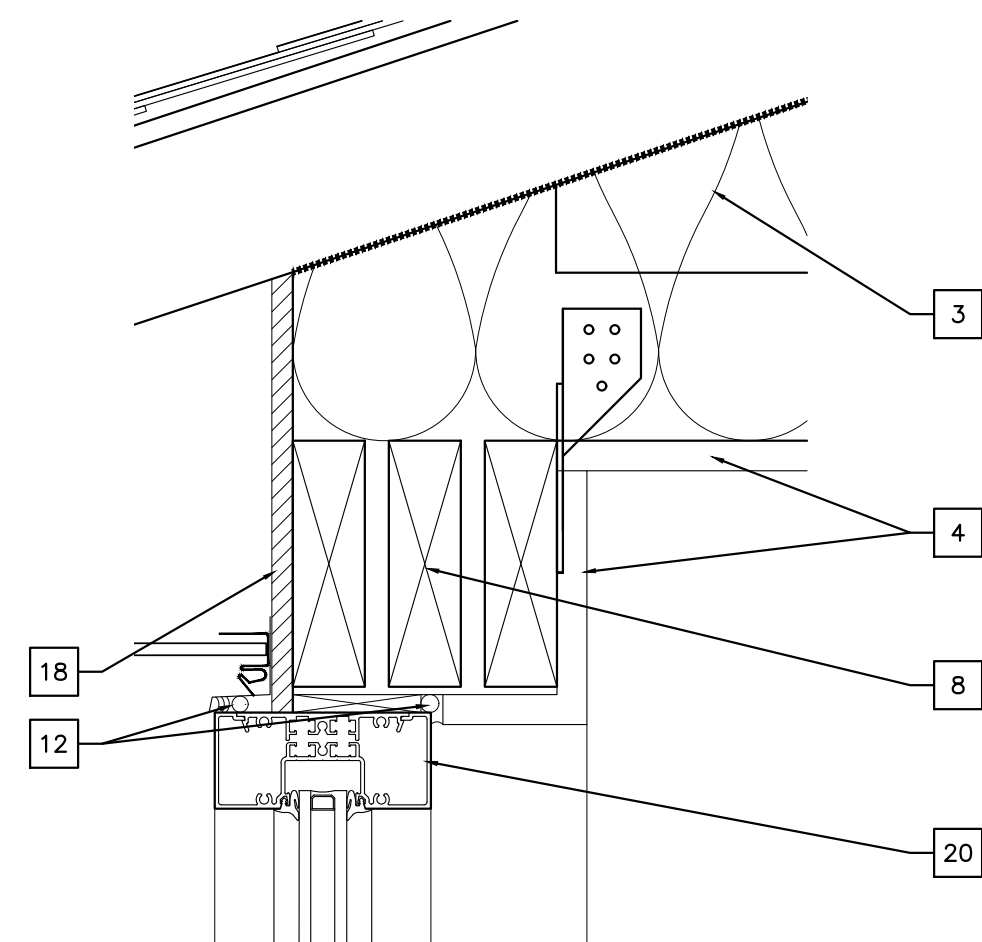
2 H.M. EXTERIOR DOOR FRAME SILL DETAIL
SCALE: 3"=1'-0"



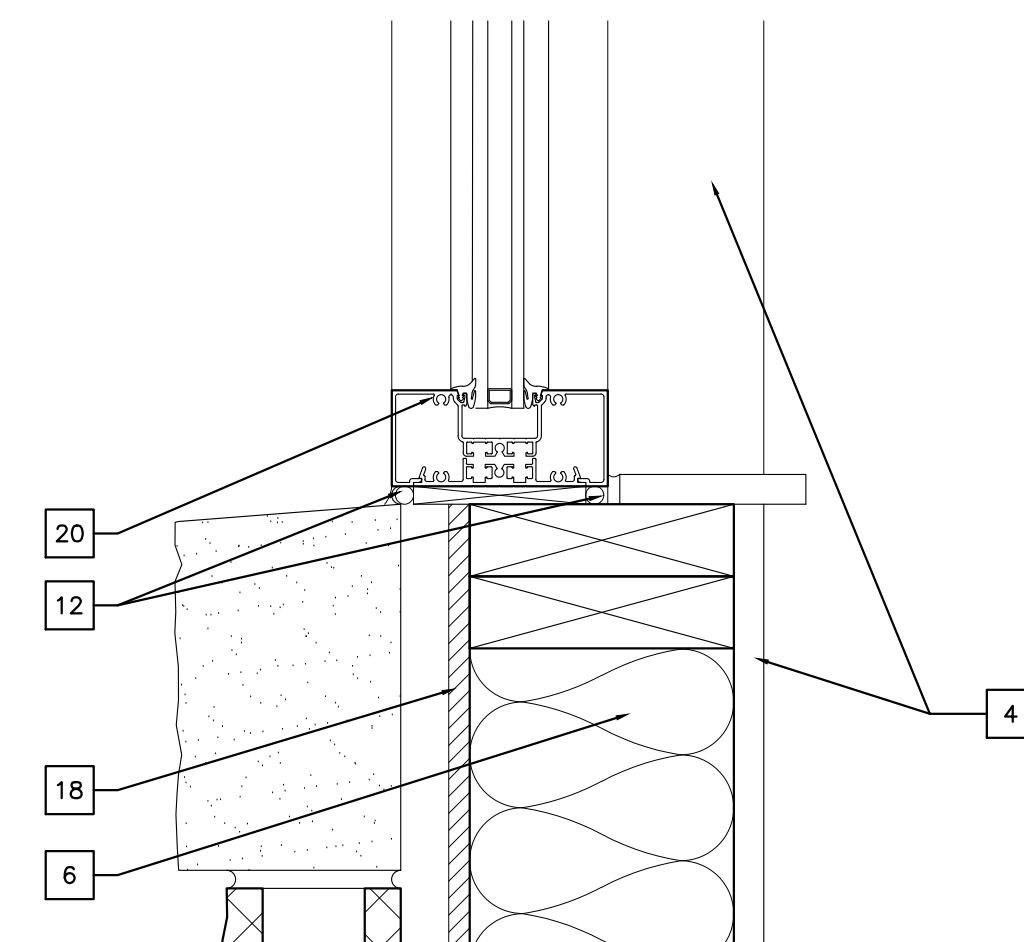
3 H.M. INTERIOR DOOR FRAME HEAD DETAIL
SCALE: 3"=1'-0"



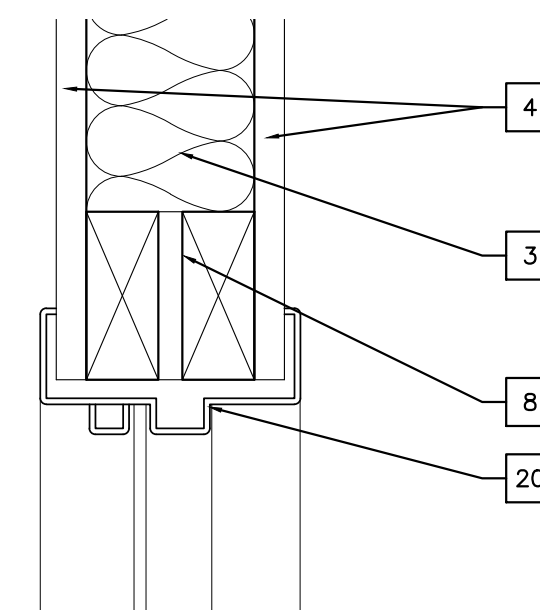
4 H.M. INTERIOR DOOR FRAME SILL DETAIL
SCALE: 3"=1'-0"



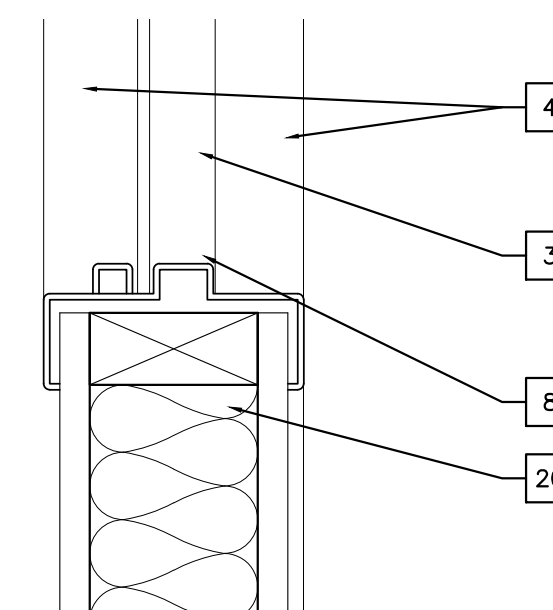
5 STOREFRONT EXTERIOR WINDOW HEAD DETAIL
SCALE: 3"=1'-0"



6 STOREFRONT EXTERIOR WINDOW SILL DETAIL
SCALE: 3"=1'-0"



7 METAL FRAME INTERIOR WINDOW HEAD DETAIL
SCALE: 3"=1'-0"



8 METAL FRAME INTERIOR WINDOW SILL DETAIL
SCALE: 3"=1'-0"

DETAIL KEYNOTES:

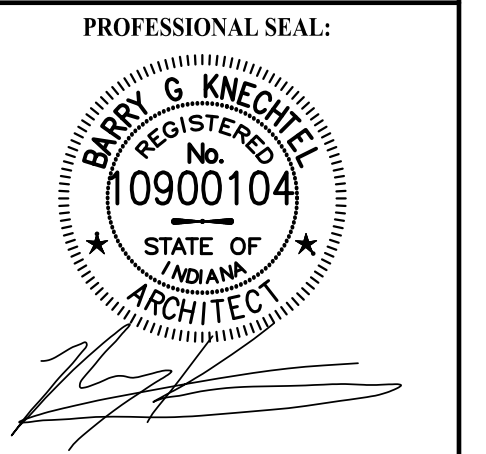
1. SOLID CORE WOOD DOOR (SEE SCHEDULE)
2. INTERIOR WOOD TRIM (OWNER SELECTED)
3. BATT INSULATION (SEE WALL TYPE)
4. 5/8" GYP (SEE WALL TYPE)
5. 2X4 WOOD STUD WALL (SEE WALL TYPES)
6. 2X6 WOOD STUD WALL (SEE WALL TYPES)
7. HOLLOW METAL DOOR FRAME
8. HEADER (SEE STRUCTURAL)
9. CONC. FLOOR W/ FLOOR FINISH (SEE FINISH SCHEDULE)
10. DOOR SWEEP (EXT. DOORS ONLY)
11. CONT. METAL FLASHING
12. BACKER ROD AND CAULK
13. ALUM. THRESHOLD IN A CONTINUOUS BED OF SEALANT
14. R.S. CEDAR BD. TRIM
15. ALUMINUM STOREFRONT DOOR
16. ALUMINUM STOREFRONT FRAME
17. HOLLOW METAL DOOR (SEE SCHEDULE)
18. BUILDING WRAP OVER 5/8" OSB
19. VINYL SIDING (TO MATCH EXISTING)
20. WINDOW FRAME (PER WINDOW MANUF.)



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PROJECT DATE:
09/02/16

No.	DESCRIPTION:	DRAWN BY:	DATE ISSUED:

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

DRAWING TITLE:
DOOR AND WINDOW DETAILS

SHEET NUMBER:
A601

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR		WALLS								CEILING		REMARKS
				NORTH		EAST		SOUTH		WEST		MTL.	FIN.	
		FINISH	BASE	MTL.	FIN.	MTL.	FIN.	MTL.	FIN.	MTL.	FIN.			
101	SALES OFFICE	CPT	VCB1	GYP	P1	GYP	P1	GYP	P1	GYP	P1	GYP	P2	
102	SALES OFFICE	CPT	VCB1	GYP	P1	GYP	P1	GYP	P1	GYP	P1	GYP	P2	
103	SALES OFFICE	CPT	VCB1	GYP	P1	GYP	P1	GYP	P1	GYP	P1	GYP	P2	
104	HALL	VCT	VCB1	GYP	P1	GYP	P1	GYP	P1	GYP	P1	GYP	P2	
105	RESTROOM	VCT	VCB1	GYP	P1	GYP	P1	GYP	P1	GYP	P1	GYP	P2	
106	STORAGE	VCT	VCB1	GYP	P1	GYP	P1	GYP	P1	GYP	P1	GYP	P2	
107	STORAGE	SC	VCB1	GYP	P1	GYP	P1	GYP	P1	GYP	P1	GYP	P2	
108	RESTROOM	VCT	VCB1	GYP	P1	GYP	P1	GYP	P1	GYP	P1	GYP	P2	
109	NEW SERVICE BAYS	SC	VCB1	GYP	P1	GYP	P1	GYP	P1	GYP	P1	GYP	P2	
110	NEW SERVICE BAYS	SC	VCB1	GYP	P1	GYP	P1	GYP	P1	GYP	P1	GYP	P2	
111	DETAILING BAY	EX (SC)	VCB1	GYP	P1	GYP	P1	GYP	P1	GYP	P1	LAY-IN	PRE	NOTE: ALUM. WALL PANELS (FULL HT.) APPLIED TO ALL WALL SURFACES IN THIS ROOM
112	EXISTING BAYS	EX (SC)	EX	EX/GYP	P1	EX/GYP	P1	EX/GYP	P1	EX/GYP	P1	GYP	P2	
113	BREAK ROOM	VCT	VCB1	EX	P1	EX	P1	EX	P1	EX	P1	LAY-IN	PRE	
114	SALES OFFICE	CPT	VCB1	EX	P1	EX	P1	GYP	P1	EX/P1	EX/P1	LAY-IN	PRE	

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

EX = EXISTING TO REMAIN

FLOOR BASE

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

EX = EXISTING TO REMAIN

WALL MATERIAL

GYP = 5/8" GYP BOARD

PLY = 3/4" O.S.B. SHEATHING

EX = (EXISTING GYP BOARD- PATCH/REPAINT AS REQUIRED)

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

LP1 = ALUM. FULL HT. WALL LINER PANEL

EX = EXISTING WALL FINISH TO REMAIN

CEILING MATERIAL

GB = 5/8" GYP. BOARD

LAY-IN = ACOUSTICAL LAY IN TILES WITH METAL GRIDWORK

EX = EXISTING GYP BOARD

CEILING FINISH

P2 = CEILING PAINT, 1 PRIMER COAT & 2 FINISH COATS
 MANUFACTURER:
 FINISH:

PRE = PREFINISHED PER CEILING TILE MANUF.

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

P3 = DOOR PAINT, ONE COAT PRIMER COAT AND TWO FINISH COATS
 MANUFACTURER:
 COLOR:
 FINISH:

DOOR TRIM FINISH

P4 = DOOR TRIM PAINT, ONE COAT PRIMER COAT AND TWO FINISH COATS
 MANUFACTURER:
 COLOR: AS SELECTED BY OWNER
 FINISH: SEMI-GLOSS

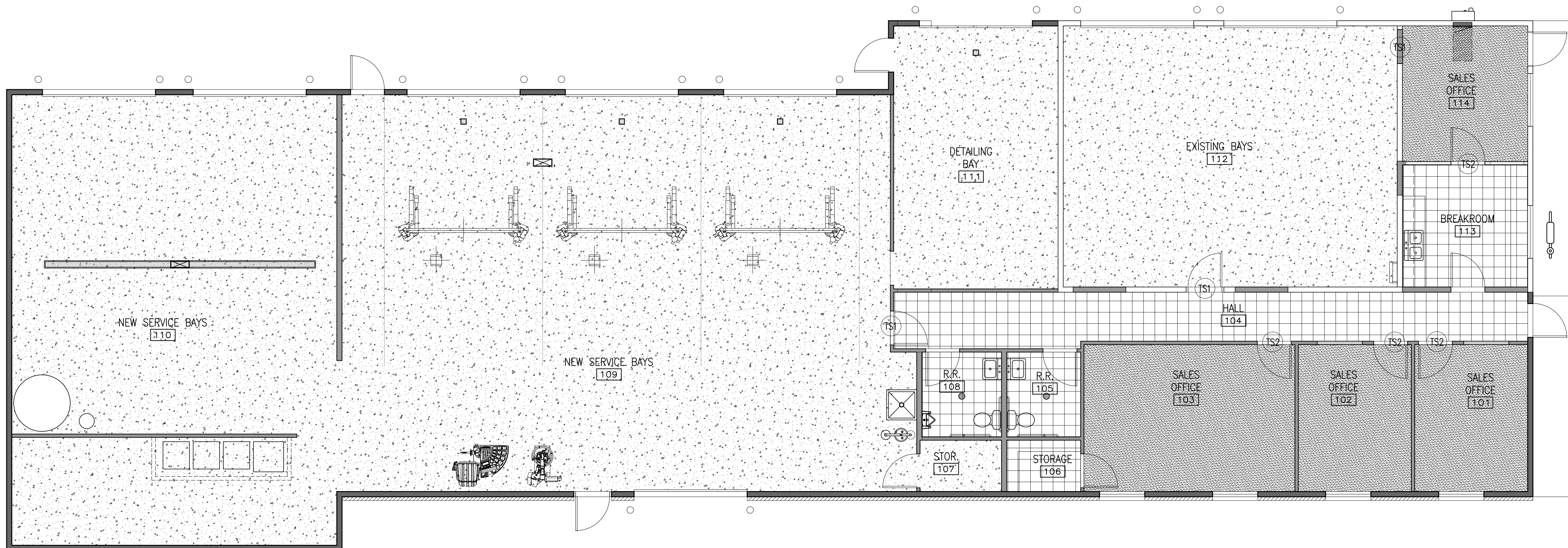
FLOORING & SYMBOL LEGEND

TS TRANSITION STRIP

VCT - VINYL COMPOSITION TILE

SC - SEALED CONCRETE

CPT - CARPET



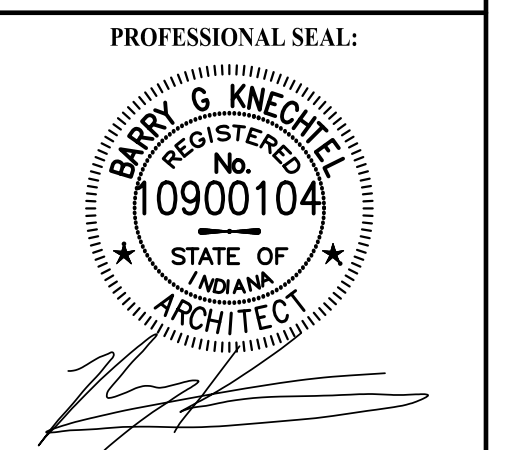
1 FINISH PLAN
 SCALE: 3/16"=1'-0"



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

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PROJECT DATE:
09/02/16

No.	DESCRIPTION	DRAWN BY	DATE ISSUED

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

DRAWING TITLE:
FINISH SCHEDULE

SHEET NUMBER:

A605

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.
- 2.6 WHEN FIELD WELDING IS PERFORMED NEAR EXISTING COMBUSTIBLE MATERIALS, A FIRE WATCH MAN MUST BE UTILIZED, AND NO WELDING PERFORMED PRIOR TO 1 HOUR BEFORE WORKERS LEAVE THE JOB SITE. A FINAL OBSERVATION OF EACH WELD LOCATION MUST BE MADE PRIOR TO LEAVING THE JOB SITE. THIS SHOULD BE MADE WITH A MAN'S EYES/NOSE WITHIN 3' OF THE WELDED AREA FOR A THOROUGH EXAMINATION.
- 2.7 WELDING TO AND WITHIN AN EXISTING FACILITY PRESENTS POTENTIAL HAZARDS INCLUDING FIRE HAZARD TO EXISTING CONSTRUCTION AND BUILDING CONTENTS. DO NOT LEAVE THE SITE UNTIL SATISFIED THAT NO POTENTIAL HAZARDS EXIST.
- 3.0 COORDINATION WITH OTHER TRADES.....
- 3.1 THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS OF ALL OTHER DISCIPLINES. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF THE MECHANICAL, ELECTRICAL, PLUMBING, AND OTHER TRADES AS TO SLEEVES, CHASES, HANGERS, INSERTS, ANCHORS, HOLES, AND OTHER ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORK.
- 3.2 THERE SHALL BE NO VERTICAL OR HORIZONTAL HOLES CUT OR DRILLED IN ANY BEAM OR COLUMN UNLESS IT IS EXPLICITLY SHOWN ON THE STRUCTURAL DRAWINGS OR APPROVED IN WRITING BY THE STRUCTURAL ENGINEER.
- 3.3 ANY OPENINGS THROUGH SUPPORTED SLABS AND WALLS THAT ARE 8" IN DIAMETER OR LARGER AND NOT SHOWN ON THE STRUCTURAL DRAWINGS MUST BE APPROVED IN WRITING BY THE STRUCTURAL ENGINEER.
- 3.4 THE CONTRACTOR SHALL VERIFY THE SIZE AND LOCATION OF ALL PLUMBING, MECHANICAL AND ELECTRICAL REQUIREMENTS AND CLEARANCES PRIOR TO PROCEEDING WITH THE PROJECT AND SHALL NOTIFY KJG ENGINEERING OF ANY STRUCTURAL INTERFERENCE PRIOR TO THE START OF CONSTRUCTION. PENETRATIONS THROUGH THE STRUCTURE SHALL BE SUBJECT TO APPROVAL BY KJG. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR OPENING LOCATIONS NOT SHOWN ON STRUCTURAL DRAWINGS.
- 3.5 PROVIDE SLEEVES FOR ALL OPENINGS, SUCH AS BUT NOT LIMITED TO GAS, WATER, SEWER, ELECTRIC, ETC. IN EXTERIOR WALLS OR FOUNDATION TO SEPARATE PIPE FROM MATERIAL.
- 3.6 DO NOT INSTALL CONDUIT IN SUPPORTED SLABS, SLABS ON GRADE, OR CONCRETE WALLS UNLESS SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWINGS.
- 3.7 DO NOT SUSPEND ANY ITEMS, SUCH AS DUCTWORK, MECHANICAL OR ELECTRICAL FIXTURES, CEILING, ETC. DIRECTLY FROM STEEL DECK, UNLESS SPECIFICALLY SHOWN ON THE STRUCTURAL DRAWINGS.

- 4.0 SPECIALTY ENGINEERING.....
- 4.1 A SPECIALTY ENGINEER IS DEFINED AS A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF INDIANA, WHO IS NOT THE STRUCTURAL ENGINEER OF RECORD, AND WHO PERFORMS STRUCTURAL ENGINEERING FUNCTIONS NECESSARY FOR THE STRUCTURAL INTEGRITY OF THE PROPOSED WORK. CONTRACTORS ARE REFERRED TO THE STRUCTURAL DRAWINGS FOR ELEMENTS REQUIRING SPECIALTY ENGINEERING, AND EXAMPLES OF THESE COMPONENTS INCLUDE, BUT ARE NOT LIMITED TO:
 - SHORING AND BRACING SYSTEMS
 - TEMPORARY RETAINING SYSTEMS
 - WOOD TRUSS SYSTEMS
- 4.2 IT IS THE SPECIALTY ENGINEER'S RESPONSIBILITY TO REVIEW THE CONSTRUCTION DRAWINGS AND SPECIFICATIONS TO DETERMINE THE APPROPRIATE SCOPE OF ENGINEERING.
- 4.3 IT IS THE INTENT OF THE STRUCTURAL DRAWINGS TO PROVIDE SUFFICIENT INFORMATION FOR THE SPECIALTY ENGINEER TO PERFORM HIS OR HER DESIGN AND ANALYSIS. IF THE SPECIALTY ENGINEER DETERMINES THAT THERE ARE CONFLICTS WITH THE PROJECT AS INDICATED IN THE PROJECT DOCUMENTS, THE SPECIALTY ENGINEER SHALL CONTACT KJG ENGINEERING FOR THE RESOLUTION OF CONFLICTS.
- 4.4 THE SPECIALTY ENGINEER SHALL SUPPLY THE STRUCTURAL ENGINEER DOCUMENTS FOR REVIEW THAT SHALL BEAR THE STAMP OF THE SPECIALTY ENGINEER AND INCLUDE:
 - A. DRAWINGS INDICATING THE CONFIGURATION OF STRUCTURAL COMPONENTS AND/OR THEIR ASSEMBLY INTO STRUCTURAL SYSTEMS.
 - B. CALCULATIONS, EITHER MANUAL OR COMPUTER GENERATED, THAT ARE ACCOMPANIED BY SUFFICIENT DESIGN ASSUMPTIONS AS WELL AS INPUT AND OUTPUT INFORMATION.
- 4.5 ANY MODIFICATIONS PROPOSED TO ELEMENTS DESIGNED BY THE SPECIALTY ENGINEER SHALL BE SUBJECT TO THE APPROVAL OF THE SPECIALTY ENGINEER, AND SHALL ALSO BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW PRIOR TO PERFORMING THE PROPOSED MODIFICATIONS.
- 5.0 FOUNDATIONS.....
- 5.1 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.
- 5.2 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.
- 5.3 FOUNDATION WALLS SHALL HAVE ADEQUATE TEMPORARY BRACING INSTALLED BY THE CONTRACTOR BEFORE BACKFILL IS PLACED AGAINST THEM. TEMPORARY BRACING SHALL NOT BE REMOVED UNTIL WALL IS PERMANENTLY BRACED.
- 5.4 THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING EXACT QUANTITIES OF CUT AND FILL FOR ESTIMATING AND CONSTRUCTION.
- 5.5 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.
- 5.6 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.
- 5.7 RAKE EXCAVATED MATERIALS BACK 12" MINIMUM FROM EDGES OF ALL EXCAVATIONS TO PREVENT LOOSE SOIL FROM FALLING BACK INTO TRENCH.
- 5.8 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.
- 6.0 CONCRETE.....
- 6.1 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.
- 6.2 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.
- 6.3 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.
- 6.4 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"
- 6.5 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."
- 6.6 COLD WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI-306 AND HOT WEATHER CONCRETING SHALL BE IN ACCORDANCE WITH ACI-305.
- 6.7 ALL CONCRETE EXPOSED TO WEATHER SHALL BE AIR-ENTRAINED.
- 6.8 FINISH ANY SURFACES EXPOSED TO PUBLIC VIEW WITH A SMOOTH FORM FINISH. ALL OTHER FORM FINISH MAY BE ROUGH.
- 6.9 SEE ARCHITECTURAL DRAWINGS FOR CHAMFER REQUIREMENTS FOR CORNERS OF CONCRETE. WHERE NOT INDICATED, PROVIDE 3/4" CHAMFER ON EXPOSED CORNERS OF CONCRETE EXCEPT THOSE ABUTTING MASONRY.
- 6.10 PROVIDE CONTROL JOINTS AND CONSTRUCTION JOINTS IN CONCRETE SLABS AS INDICATED ON PLANS. "C.J." INDICATES CONTROL JOINTS WHICH SHALL BE SAW CUT WITHIN 24 HOURS MAXIMUM AFTER CONCRETE IS PLACED. "CONST. JT." INDICATES CONSTRUCTION JOINTS WHICH SHALL BE DOWELED JOINTS (1/2" DIAMETER SMOOTH BARS AT 24" OC) BETWEEN SEPARATE SLAB POURS. NO FILLER SHALL BE PLACED IN INTERIOR CONTROL JOINTS, EXCEPT IN AREAS RECEIVING VCT. ALL EXTERIOR CONTROL JOINTS SHALL HAVE SEALANT APPLIED TO JOINT. EXTERIOR SIDEWALKS SHALL HAVE CONTROL JOINTS AS SHOWN ON PLANS OR A MAXIMUM OF 10'-0" O.C.
- 6.11 CONCRETE SLABS-ON-GRADE SHALL HAVE A 10 MIL, CLASS A, NON-PERMEABLE VAPOR BARRIER OVER 6" MINIMUM GRANULAR FILL PER GEOTECHNICAL REPORT.

- 7.0 WOOD.....
- 7.1 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.
- 7.2 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.
- 7.3 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.
- 7.4 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.
- 7.5 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.
- 7.6 FLOOR SHEATHING SHALL BE APA RATED EXPOSURE 1 TONGUE AND GROOVE WITH A SPAN RATING OF AT LEAST 32/16.
- 8.0 PRE-ENGINEERED WOOD TRUSSES.....
- 8.1 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 (TP) AND THE WOOD TRUSS COUNCIL OF AMERICA.
- 8.2 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.
- 8.3 WOOD FLOOR AND ROOF TRUSSES SHALL BE DESIGNED TO SUPPORT THE SUPERIMPOSED LOADS PROVIDED IN THE DESIGN INFORMATION IN ADDITION TO THE SELF-WEIGHT OF THE TRUSSES.
- 8.4 TRUSS PLATES SHALL BE GALVANIZED STEEL AND SHALL BE APPLIED TO BOTH FACES OF THE MEMBERS BEING CONNECTED.
- 8.5 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.
- 8.6 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.
- 8.7 THE CONTRACTOR SHALL INSTALL ALL PERMANENT TRUSS BRACING AS SHOWN ON THE TRUSS MANUFACTURER'S SHOP DRAWINGS.
- 9.0 DRILLED IN DOWELS & ANCHOR RODS.....
- 9.1 ALL REINFORCING STEEL AND TREADED ROD ANCHORS TO BE INSTALLED IN A TWO PART CHEMICAL ANCHORING SYSTEM SHALL BE SUBJECT TO THE SPECIFIC INSTALLATION RECOMMENDATIONS AND REQUIREMENTS OF THE MANUFACTURER.
- 9.2 WHEN REINFORCING STEEL IS ENCOUNTERED DURING DRILLING FOR THE INSTALLATION OF ANCHORS; STOP DRILLING, USE A SENSOR TO LOCATE REINFORCEMENT IN THE SURROUNDING AREA, AND INSTALL ANCHOR(S) AS CLOSE AS POSSIBLE TO INTENDED LOCATION. CONTACT THE STRUCTURAL ENGINEER IF THE REVISED LOCATION IS GREATER THAN 2" FROM THE ORIGINAL LOCATION, OR IF THE ORIGINAL FUNCTION OF THE ANCHOR IS SIGNIFICANTLY ALTERED.

DESIGN PARAMETERS

1. BUILDING CODE	2014 INDIANA BUILDING CODE (BASED ON 2012 IBC)
2. RISK CATEGORY	II
3. DEAD LOADS	20 PSF
4. LIVE LOADS	20 PSF
5. SNOW LOADS	20 PSF
GROUND SNOW LOAD	20 PSF
SNOW IMPORTANCE FACTOR	1.0
SNOW DRIFT (FLAT ROOF)	25 PSF
6. WIND LOADS	115 MPH (3-SECOND GUST)
DESIGN WIND SPEED	"C"
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"

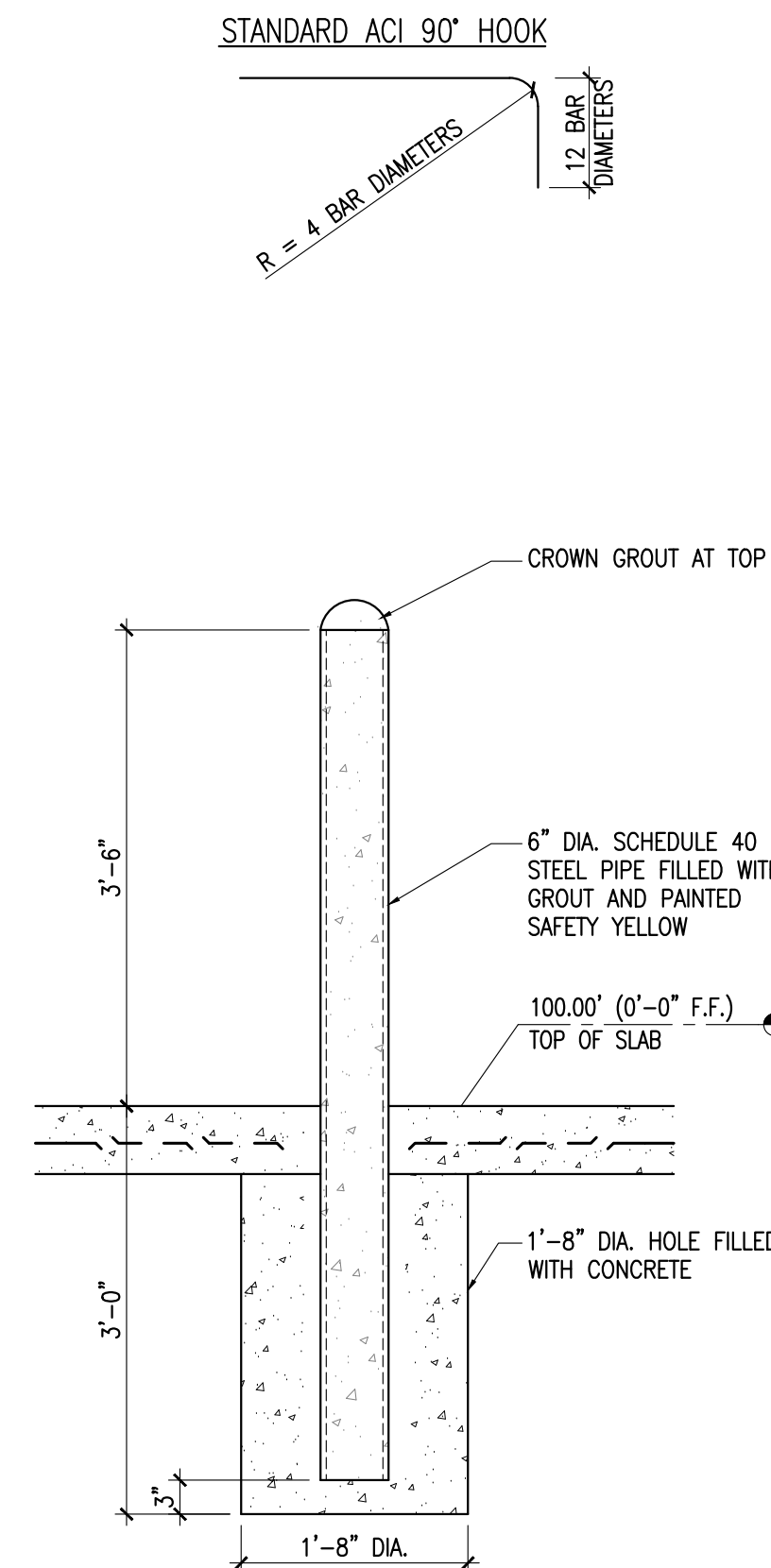
ROOF TRUSS NOTES:

WOOD ROOF TRUSSES SHALL BE DESIGNED AND FABRICATED FOR THE LOADS SHOWN IN THE LOAD SUMMARY BELOW. 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.

ROOF LIVE LOAD	20 PSF
ROOF DEAD LOAD	20 PSF
ROOF TOTAL	40 PSF

LIMIT ROOF LIVE LOAD DEFLECTION TO L/240.
LIMIT ROOF TOTAL LOAD DEFLECTION TO L/180.

CONCRETE LAP SCHEDULE		
BAR SIZE	LAP LENGTH	
	TOP REINF.	OTHER
#3	28"	22"
#4	37"	29"
#5	47"	36"
#6	56"	43"
#7	81"	63"
#8	93"	72"

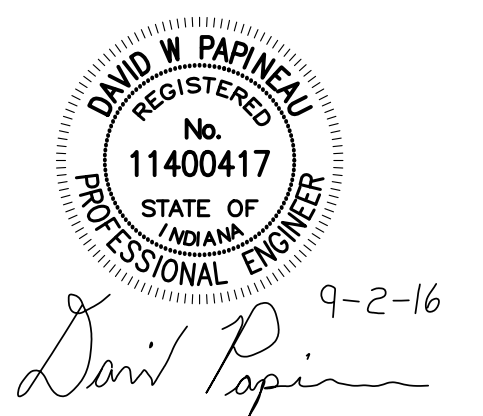


OPTIONAL PIPE BOLLARD
SCALE: 3/4"=1'-0"

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

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PROFESSIONAL SEAL:



PROJECT DATE:
9/2/2016

No.	DESCRIPTION	DRAWN BY	DATE ISSUED

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

DRAWING TITLE:
GENERAL STRUCTURAL NOTES

SHEET NUMBER:
S000

SHEET NOTES:

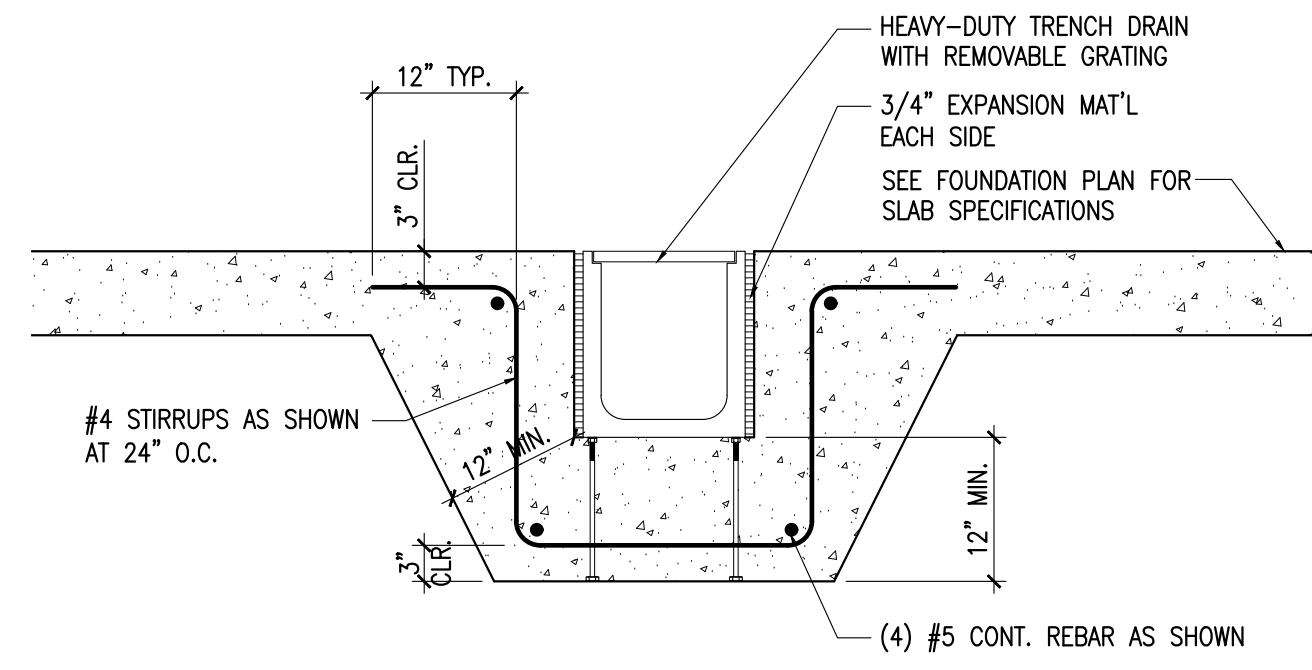
- DO NOT SCALE DRAWINGS, USE ONLY WRITTEN DIMENSIONS.
- ALL DIMENSIONS ARE TAKEN FROM OUT TO OUT OF WOOD STUD WALL OR TO CENTER OF BUILDING COLUMN UNLESS OTHERWISE NOTED. DIMENSIONS WITH +/- ARE TO BE FIELD VERIFIED BY CONTRACTOR.
- ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL AT OR BELOW LOCAL FROST LINE MINIMUM. WHERE FOOTINGS ARE REQUIRED TO BE STEPPED, STEP DOWN IN MAXIMUM VERTICAL INCREMENTS OF 2'-0" FOR EVERY 6'-0" MINIMUM OF HORIZONTAL DISTANCE.
- PROVIDE CONTROL JOINTS (C.J.) AS SHOWN ON THE FOUNDATION PLAN. CONSTRUCTION JOINTS MAY BE USED WHERE SEPARATE SLAB POURS ARE REQUIRED, HOWEVER THESE JOINTS MUST FALL ON COLUMN LINES, IF APPLICABLE. REFER TO DETAILS FOR SLAB JOINT DETAILS.
- REFER TO ARCHITECTURAL SITE PLAN FOR EXTERIOR CONCRETE SIDEWALKS, STOOPS, ETC WHICH SHALL HAVE BROOM FINISH PERPENDICULAR TO LINE OF TRAFFIC, UNLESS NOTED OTHERWISE. RAMPS AND OTHER INCLINED CONCRETE SURFACES TO HAVE COARSE, NON-SLIP STIFF-BRISTLED BROOM FINISH, PERPENDICULAR TO LINE OF TRAFFIC, UNLESS NOTED OTHERWISE.

KEYNOTES:

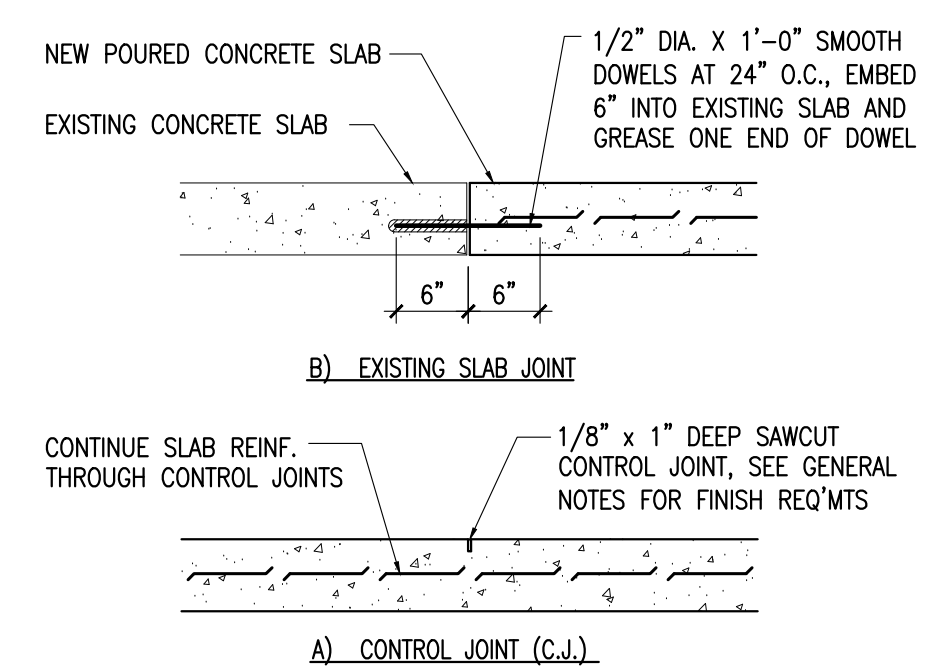
- 5" CONCRETE SLAB ON GRADE REINFORCED WITH 6x6 W1.4xW1.4 W.W.F. OVER 10 MIL VAPOR BARRIER OVER 6" MIN. GRANULAR FILL.
- 4" CONCRETE SLAB ON GRADE REINFORCED WITH 6x6 W1.4xW1.4 W.W.F. OVER 6" GRANULAR FILL (NO VAPOR BARRIER).
- EXISTING CONCRETE SLAB TO REMAIN.
- NON-LOAD BEARING WALLS, SEE ARCHITECTURAL DRAWINGS.
- EXISTING FOUNDATION WALL TO REMAIN.

LINE KEY:

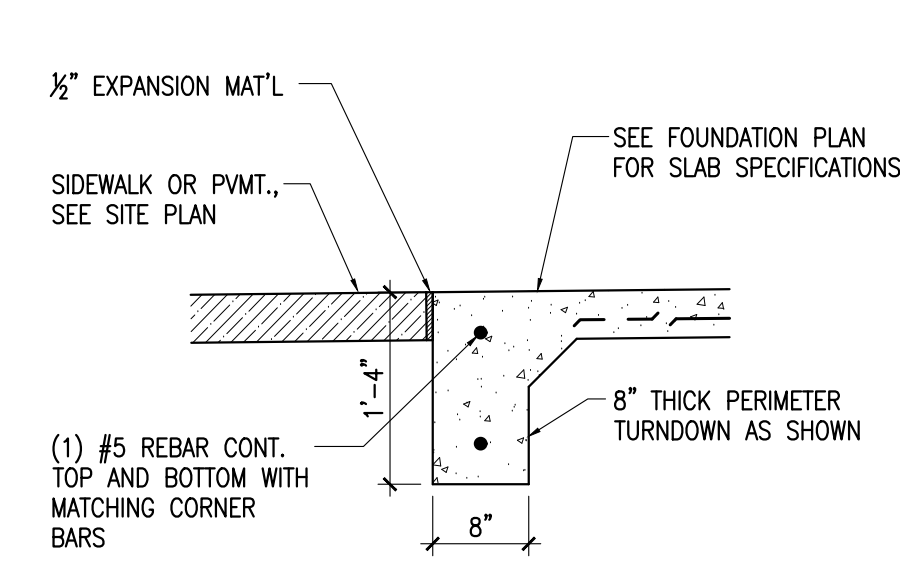
- = REINFORCED CONCRETE FOOTING
- ▬ = WOOD STUD BEARING WALL
- = CONCRETE TURNDOWN
- = CONTROL JOINT
- ▨ = BRICK VENEER
- ▩ = THICKENED SLAB
- F.D. ⊙ = FLOOR DRAIN



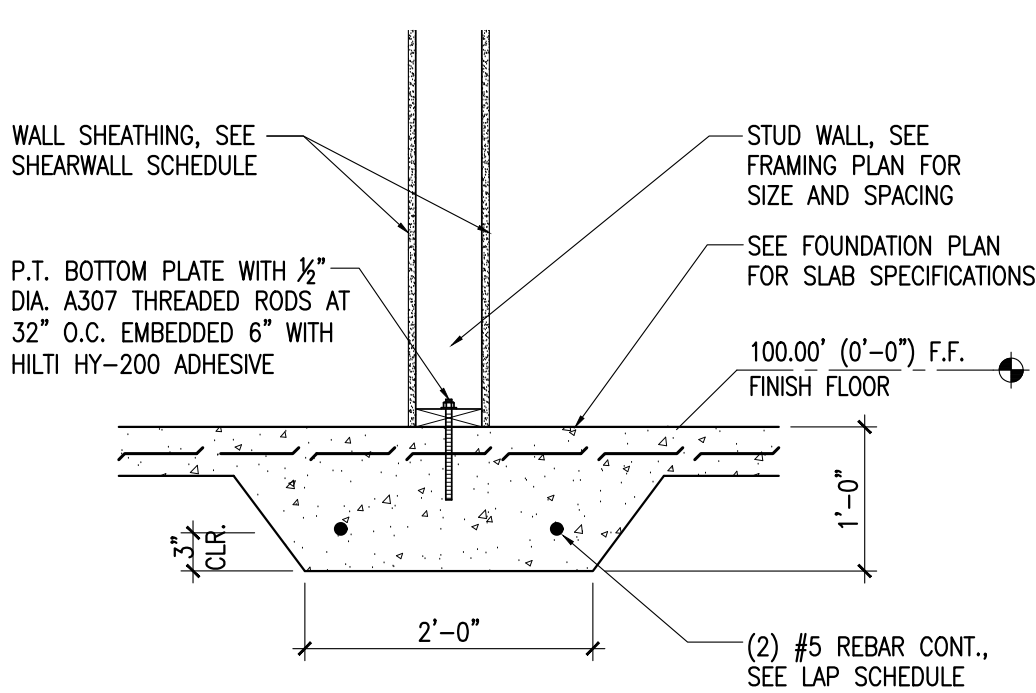
7 TRENCH DRAIN DETAIL
 SCALE: 3/4"=1'-0"



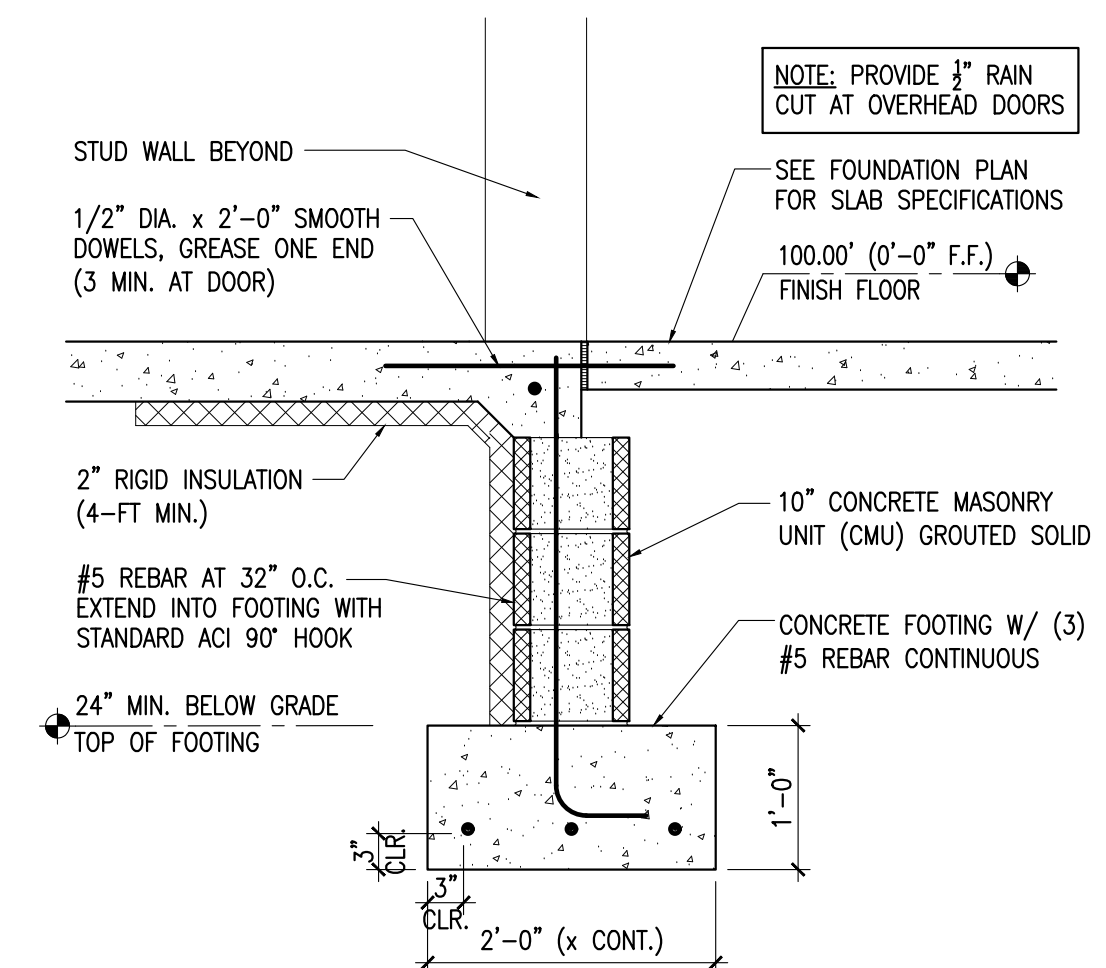
6 SLAB JOINT DETAILS
 SCALE: 3/4"=1'-0"



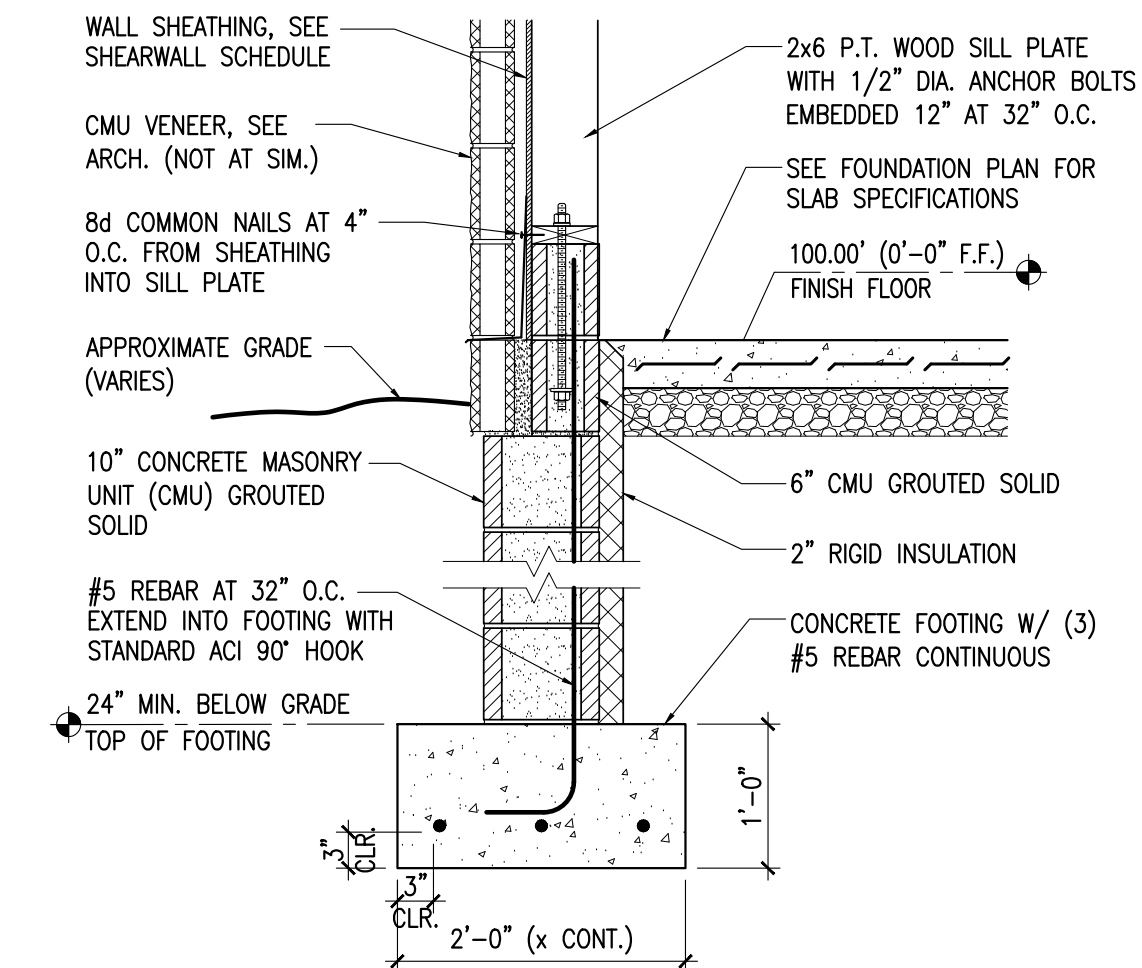
5 TYPICAL SLAB TURNDOWN
 SCALE: 3/4"=1'-0"



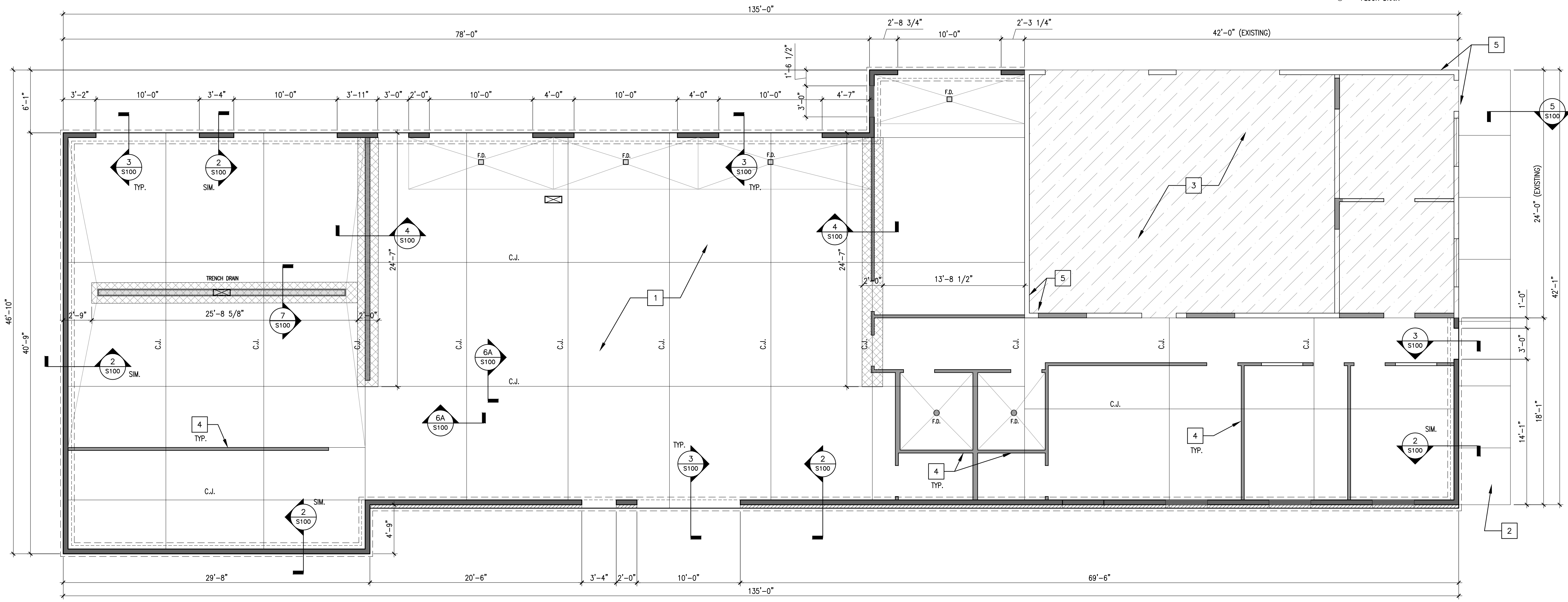
4 THICKENED SLAB AT INTERIOR WALL
 SCALE: 3/4"=1'-0"



3 FOUNDATION WALL AT DOORWAY
 SCALE: 3/4"=1'-0"



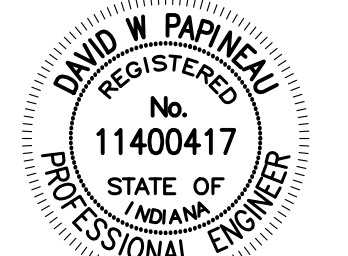
2 TYPICAL FOUNDATION WALL
 SCALE: 3/4"=1'-0"



1 FOUNDATION PLAN
 SCALE: 3/16"=1'-0"

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

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PROFESSIONAL SEAL:

 David W. Papineau
 9-2-16

PROJECT DATE:
 9/2/2016

No.	DESCRIPTION	DRAWN BY	DATE ISSUED

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





DRAWING TITLE:
FOUNDATION PLAN AND DETAILS

SHEET NUMBER:
S100

SHEET NOTES:

- A. DO NOT SCALE DRAWINGS, USE ONLY WRITTEN DIMENSIONS.
- B. ALL DIMENSIONS ARE TAKEN FROM OUT TO OUT OF WOOD STUD WALLS OR TO CENTER OF BEAM UNLESS OTHERWISE NOTED. DIMENSIONS WITH +/- ARE TO BE FIELD VERIFIED BY CONTRACTOR.
- C. REFER TO ARCHITECTURAL FOR WINDOW AND DOOR SIZES AND LOCATIONS.
- D. THIS SHEET DEPICTS ONLY WOOD STUD BEARING WALLS. REFER TO ARCHITECTURAL FOR DIMENSIONS OF ALL WALLS AND LOCATIONS OF ALL NON-LOADING BEARING WALLS.
- E. REFER TO ARCHITECTURAL FOR TRUSS BEARING HEIGHTS.

HEADER & BEAM SCHEDULE


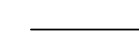
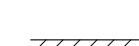



MARK	DESCRIPTION	MIN. END BEARING	SECTION
H-1	(2) 2x8	(2) 2x	
H-2	2-PLY 11.25" LVL	(2) 2x	
H-3	3-PLY 11.25" LVL	(3) 2x	
B-1	2-PLY 9.25" LVL	(2) 2x	

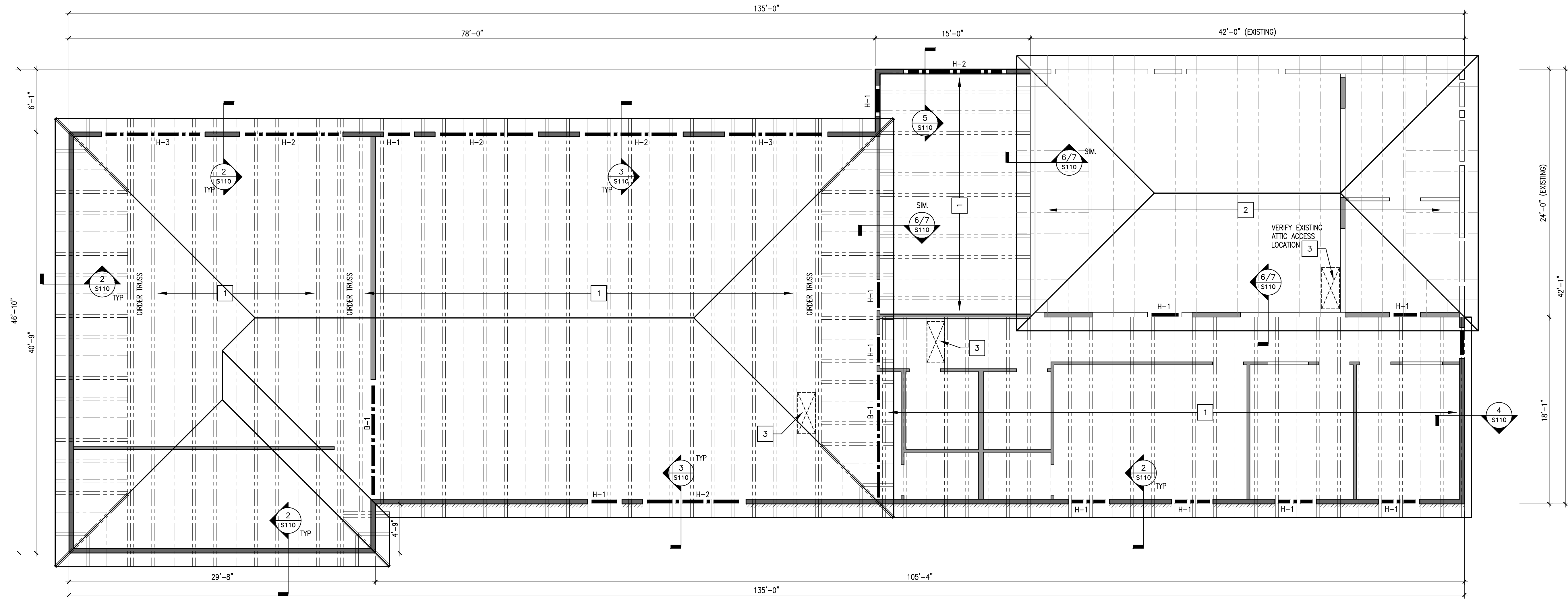
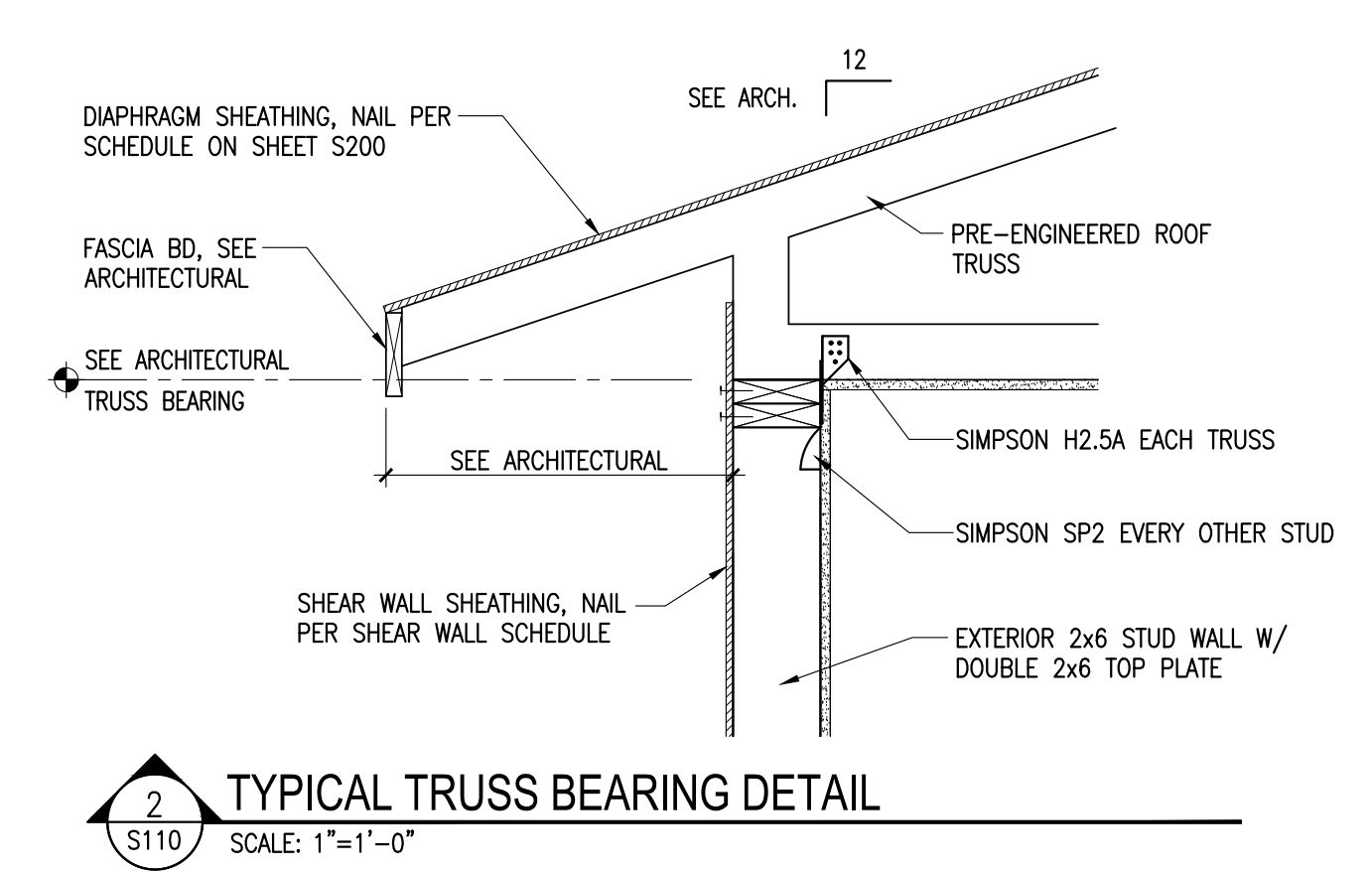
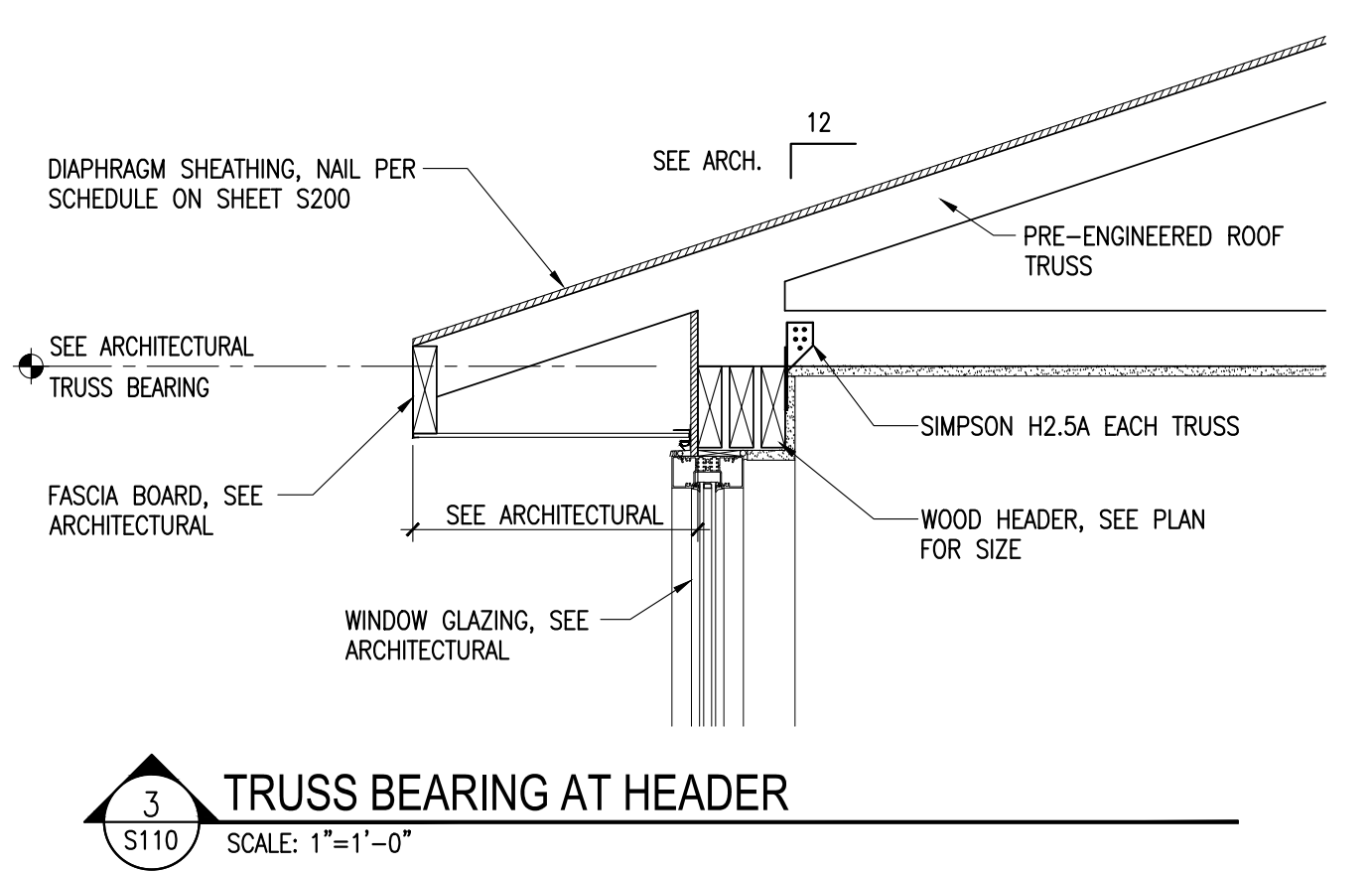
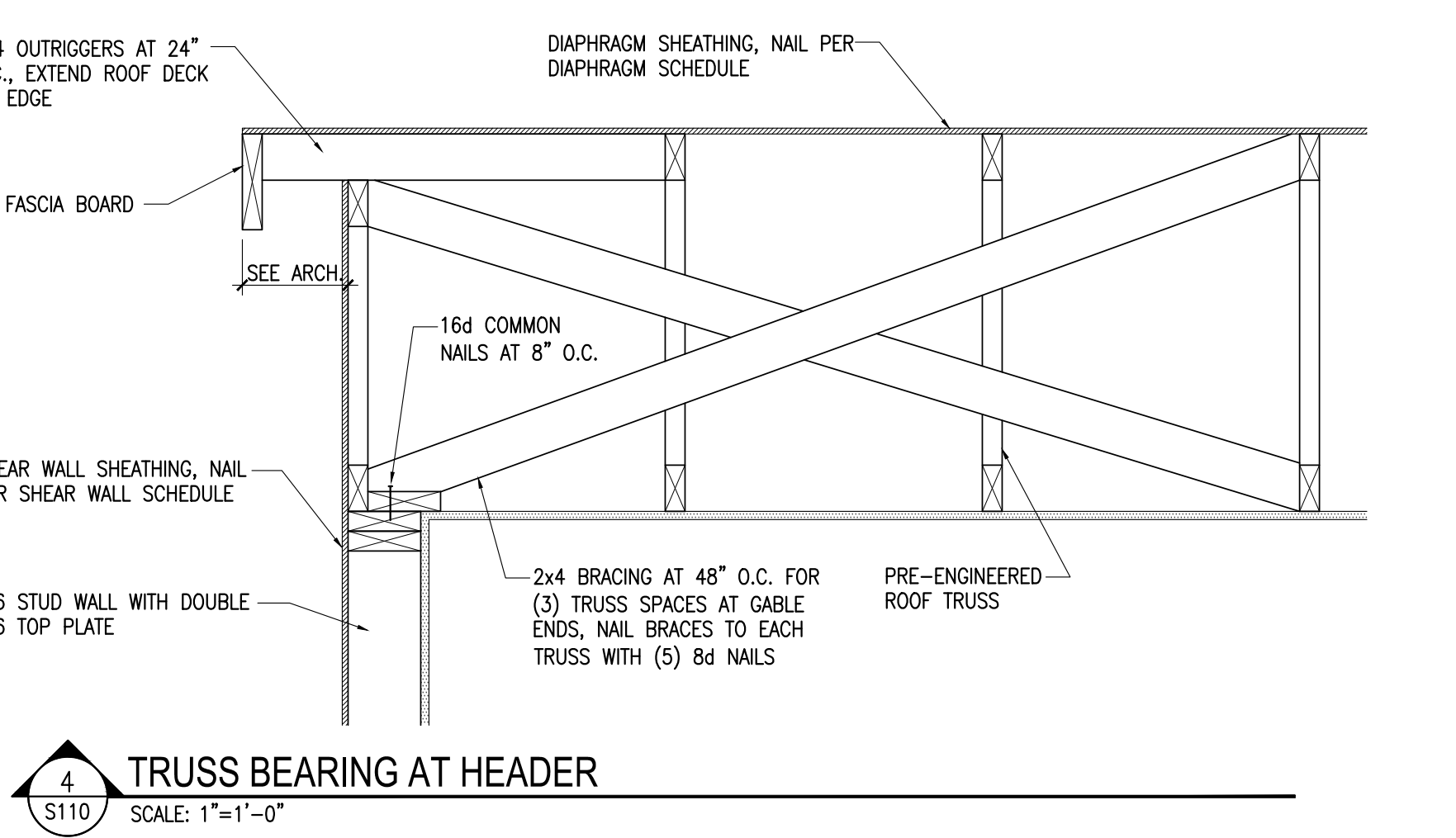
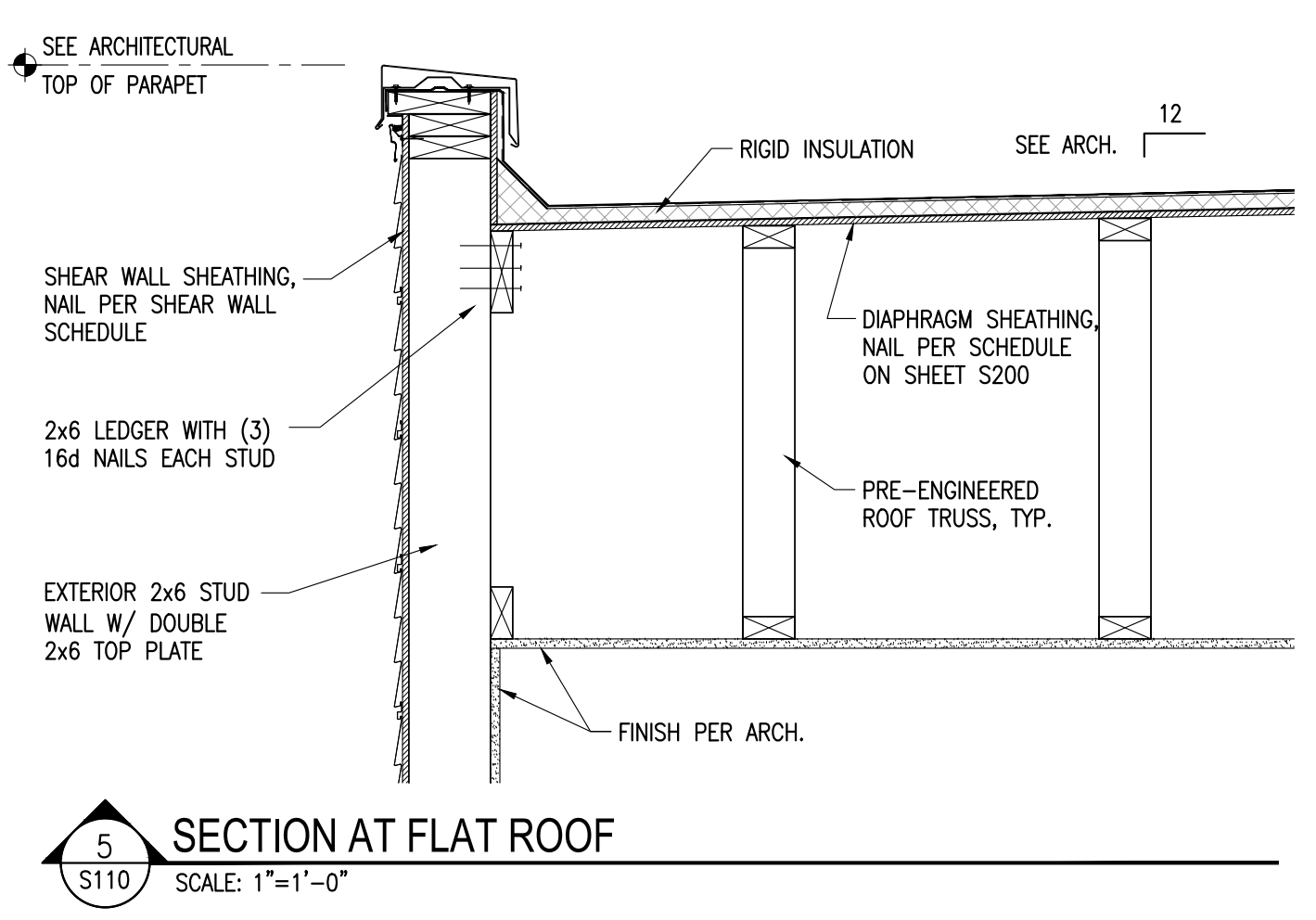
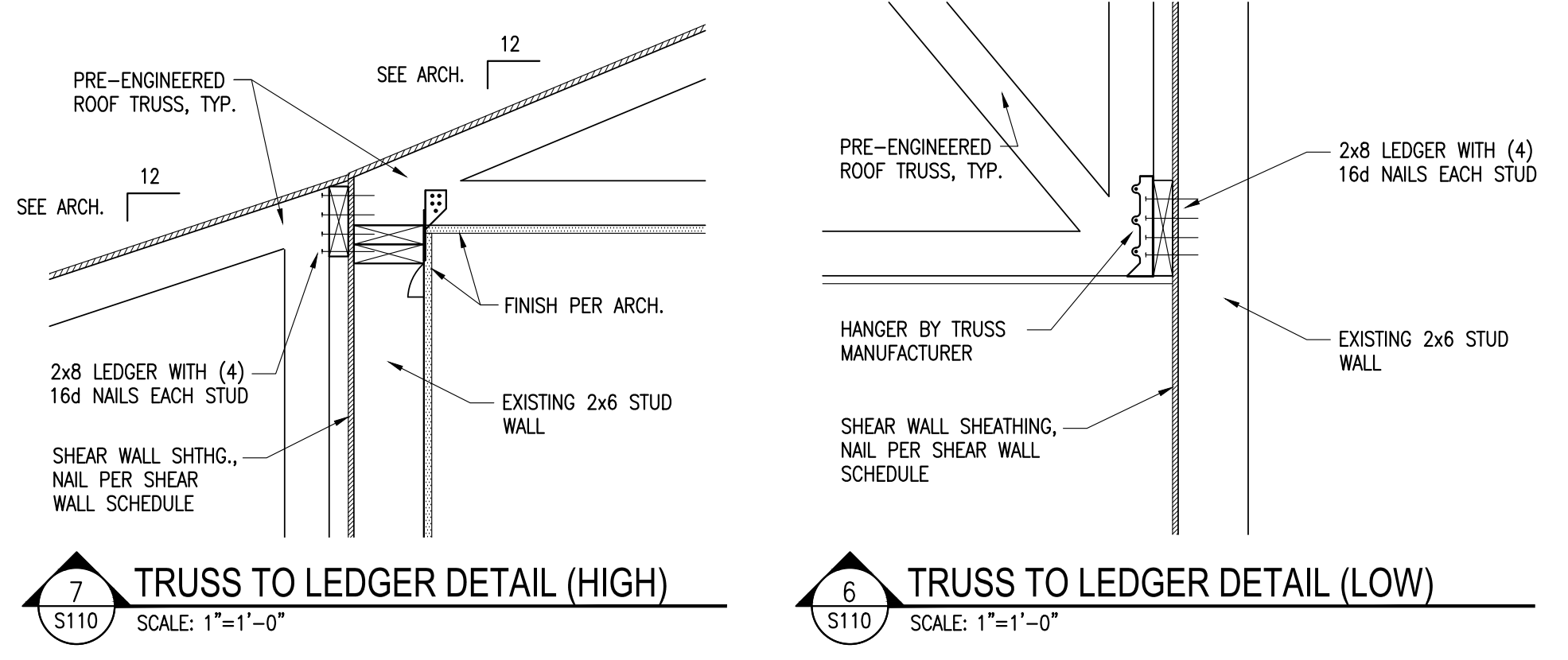
NOTE: FOR 2x6 WALLS, CONSTRUCT HEADER AS A BOX HEADER AND INSULATE BETWEEN HEADER PLIES.
STRUCTURAL PROPERTIES FOR HEADERS & LINTELS:
ALL WOOD 2x's: S.P.F. OR S.P. #2 MINIMUM
LVL: E=2.0e6 PSI, Fb=2750 PSI

KEYNOTES:

1. PRE-ENGINEERED ROOF TRUSSES AT 24" O.C. SPACING
2. EXISTING ROOF FRAMING TO REMAIN. CUT TAILS FROM SOUTH SIDE TRUSSES AS REQUIRED.
3. 20"x42" (MIN.) ATTIC ACCESS OPENING

LINE KEY:

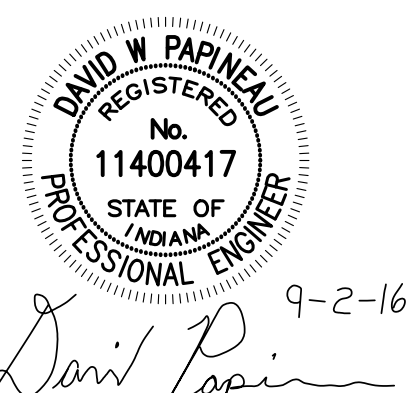
-  = PRE-ENGINEERED ROOF TRUSS
-  = WOOD STUD BEARING WALL
-  = MASONRY VENEER
-  = BEAM/HEADER/LINTEL
-  = STEEL BEAM
-  = ROOF LINE



PROJECT TITLE:
AUTO EXPRESS GARAGE ADDITION

2306 VETERANS MEMORIAL PARKWAY SOUTH
LAFAYETTE, IN 47909

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PROFESSIONAL SEAL:

9-2-16

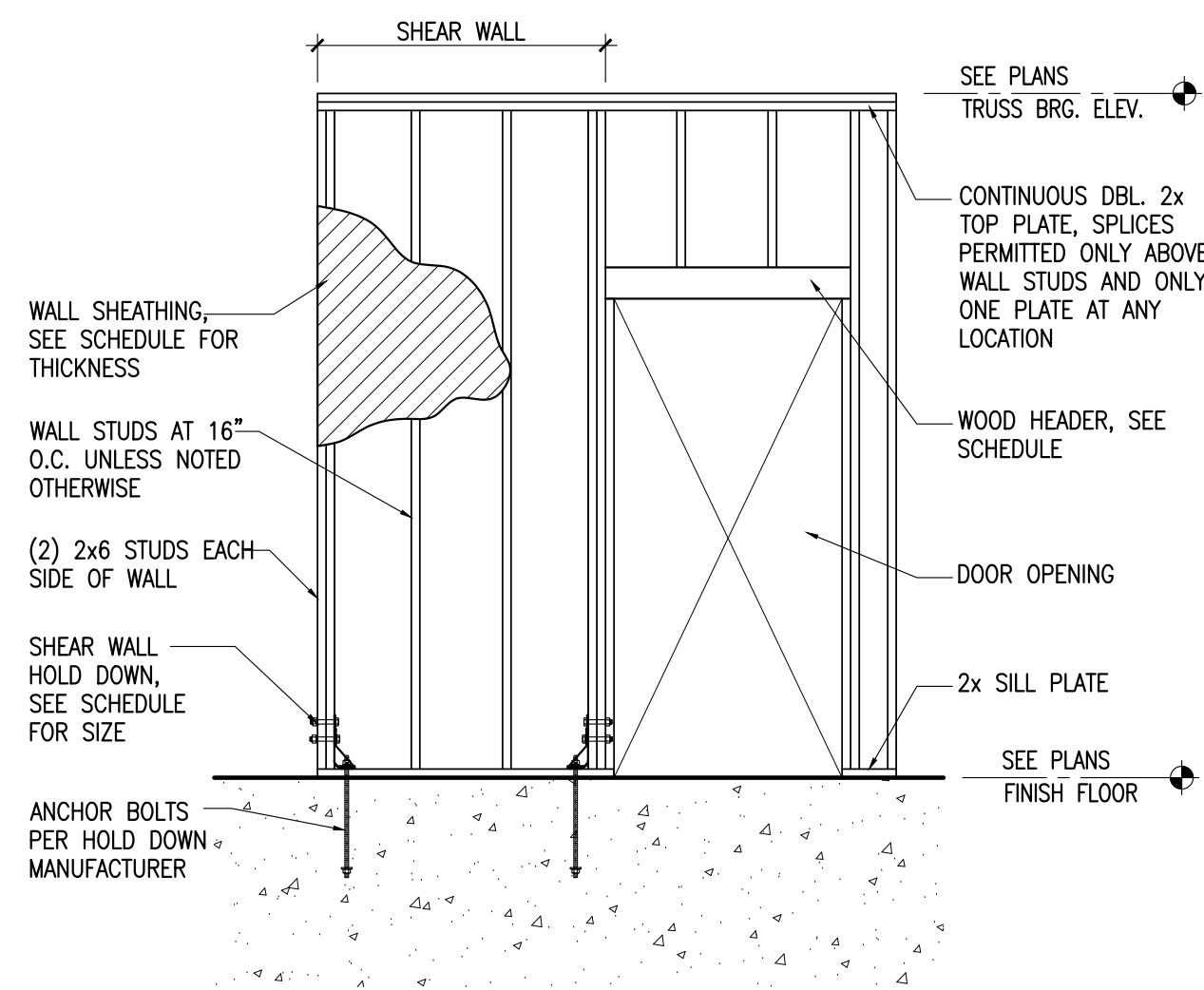
PROJECT DATE:
9/2/2016

No.	DESCRIPTION	DRAWN BY:	DATE ISSUED:

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

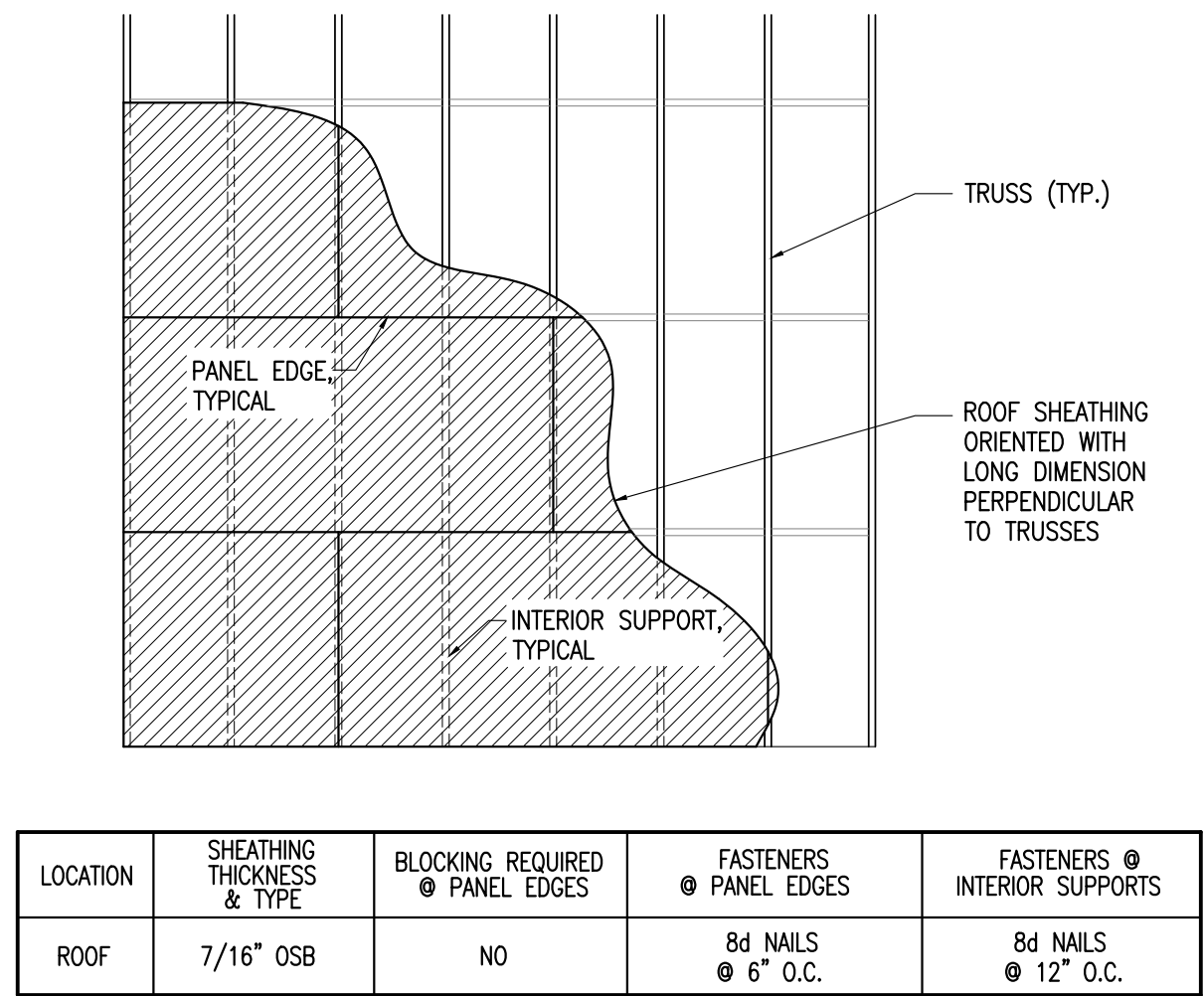
DRAWING TITLE:
FRAMING PLAN AND DETAILS

SHEET NUMBER:
S110



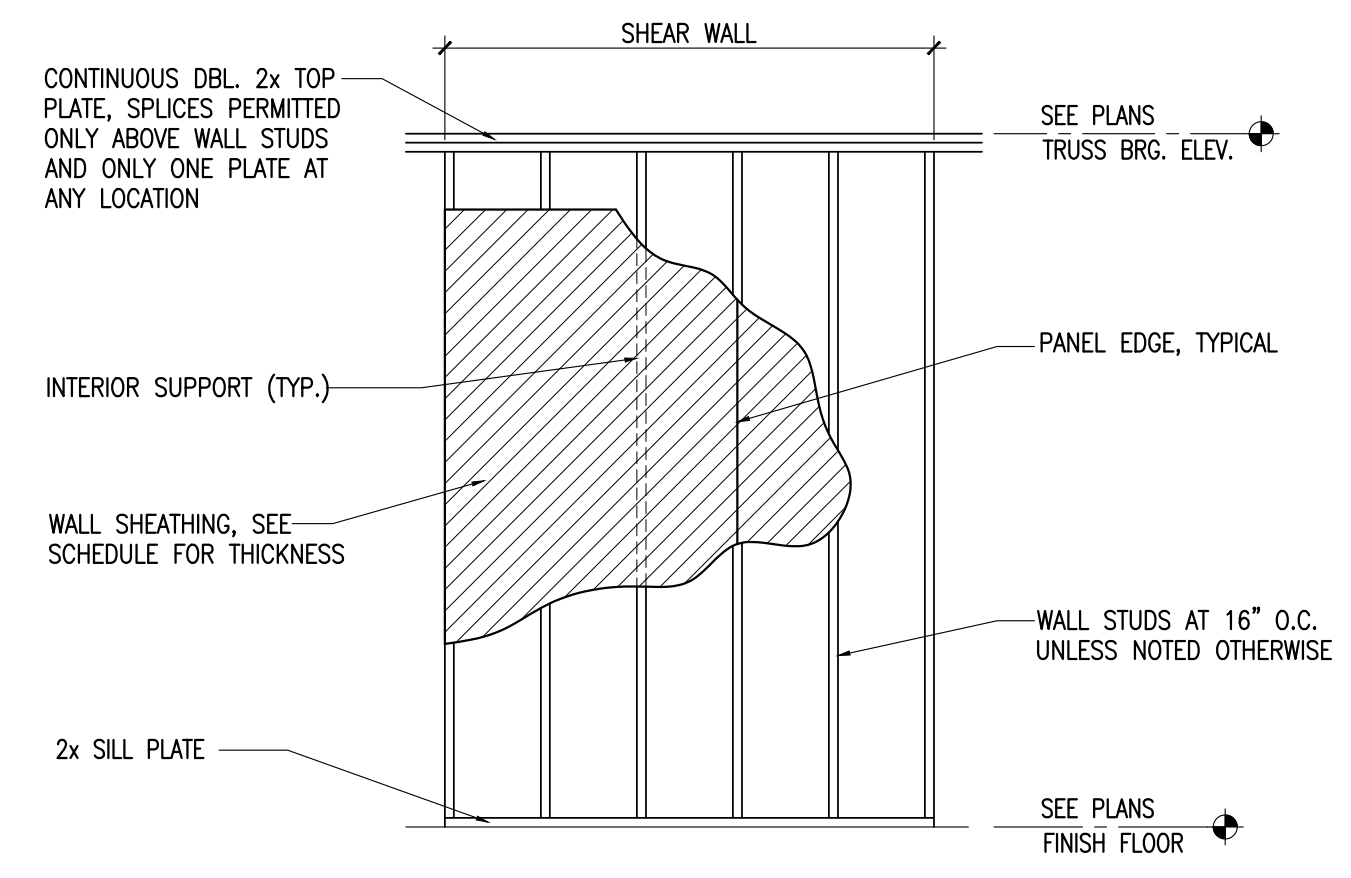
5 SHEAR WALL HOLD DOWN DETAIL

S200 SCALE: N.T.S.



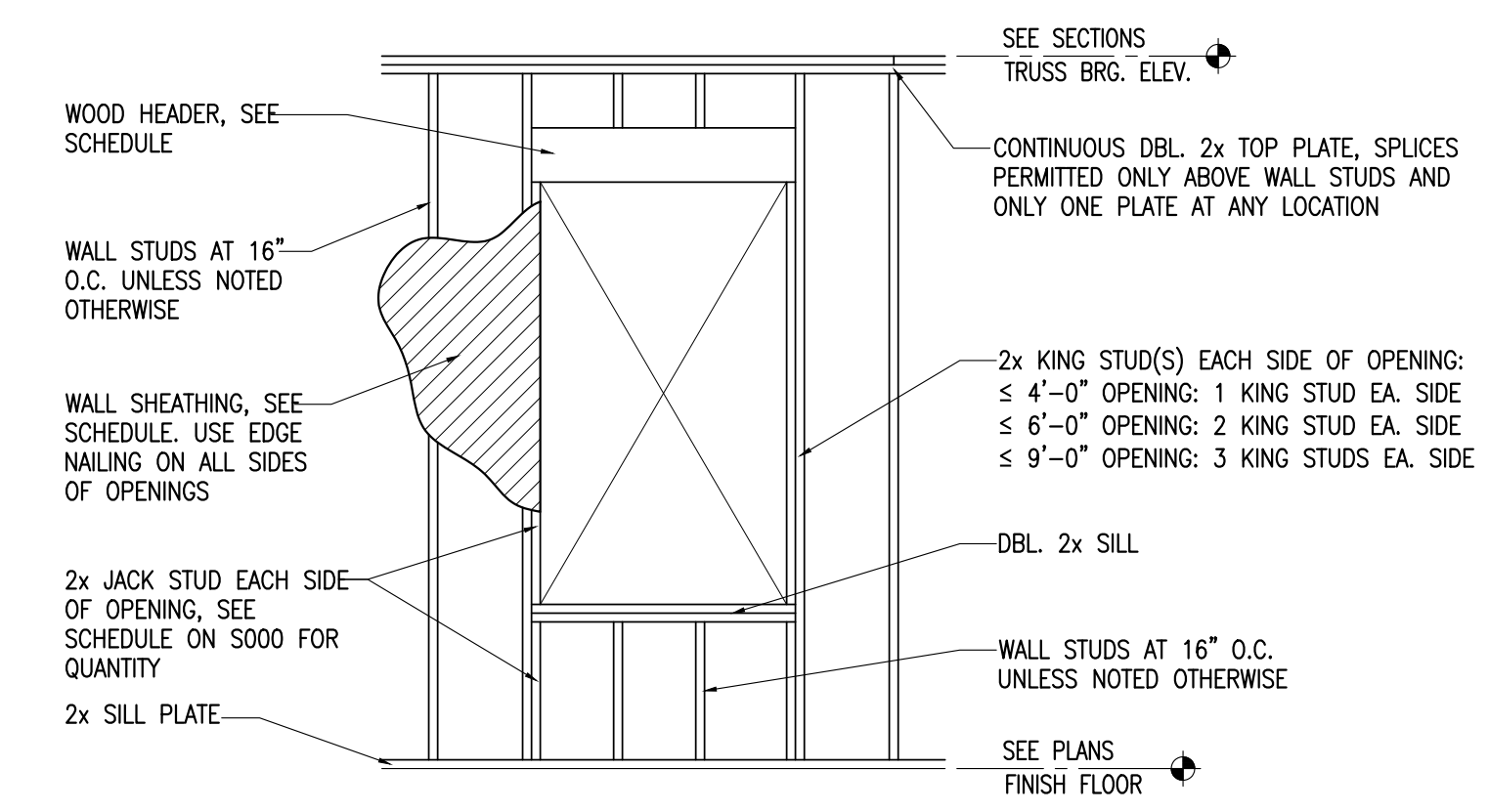
4 DIAPHRAGM SHEATHING DETAIL

S200 SCALE: N.T.S.



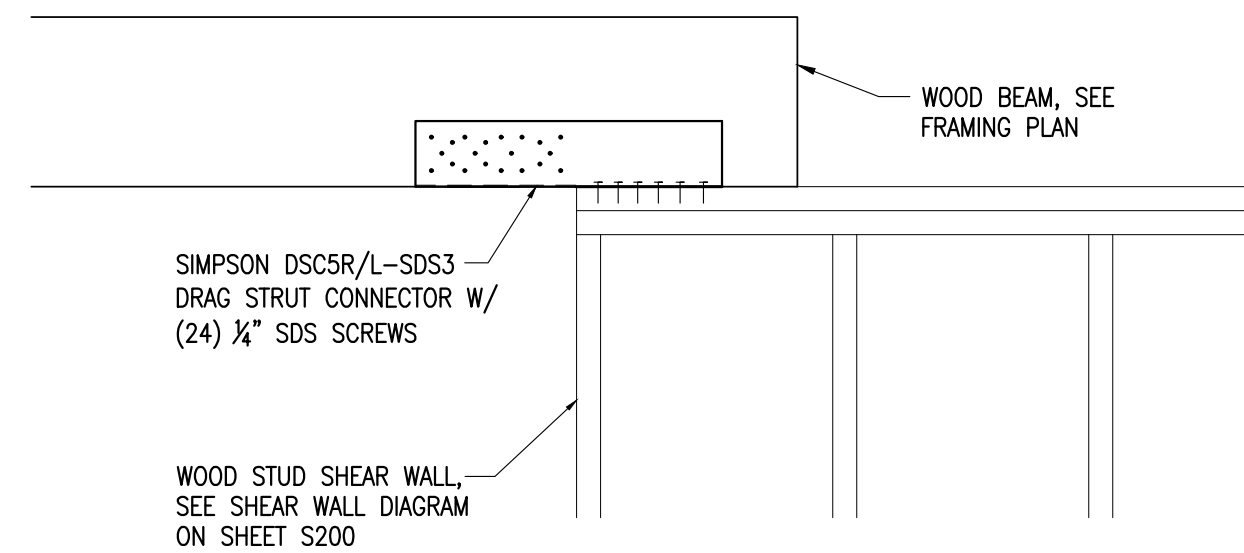
3 TYPICAL WALL SECTION

S200 SCALE: N.T.S.



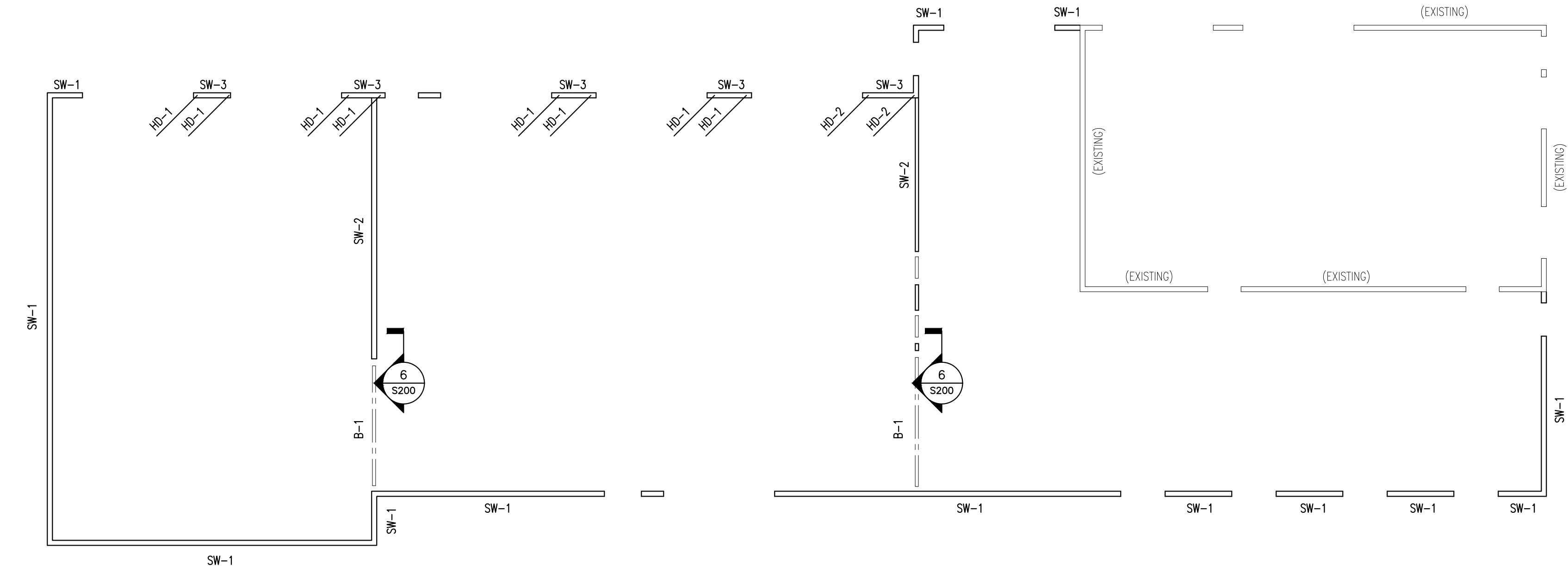
2 TYPICAL OPENING SECTION

S200 SCALE: N.T.S.



6 SHEAR WALL COLLECTOR DETAIL

S200 SCALE: N.T.S.



SHEAR WALL SCHEDULE					
MARK	SHEAR WALL OR BRACE DESCRIPTION	FASTENER PATTERN		CONNECTIONS	
		PANEL EDGES	INTERIOR	AT FOUNDATION 1,2	AT FLOOR
SW-1	7/16" OSB EXTERIOR FACE OF WALL	8d @ 6" O.C.	8d @ 12" O.C.	1/2" DIA. x 16" A307 ANCHOR RODS AT 32" O.C. MAX.	(2) 16d NAILS @ 8" O.C.
SW-2	7/16" OSB EACH FACE OF WALL	8d @ 4" O.C.	8d @ 12" O.C.	1/2" DIA. x 16" A307 ANCHOR RODS AT 32" O.C. MAX.	(2) 16d NAILS @ 8" O.C.
SW-3	7/16" OSB EXTERIOR FACE OF WALL	8d @ 6" O.C.	8d @ 12" O.C.	1/2" DIA. x 16" A307 ANCHOR RODS AT 32" O.C. MAX.	HOLD-DOWN (SEE SCHEDULE)

- NOTES:**
- ANCHOR RODS SHALL BE USED FOR ALL EXTERIOR WALLS. POWDER ACTUATED FASTENERS ARE PERMITTED FOR INTERIOR WALLS BEARING ON THICKENED SLABS ONLY.
 - FOUNDATION ANCHORS SHALL BE INSTALLED AT SPACING INDICATED IN TABLE, (2) MIN. PER SECTION OF SILL PLATE, AND WITHIN 12" OF SILL PLATE TERMINATION NEAR OPENINGS OR CORNERS.
 - PERIMETER FOUNDATION ANCHORS SHALL BE EMBEDDED 12" MIN. INTO CONCRETE.

1 SHEAR WALL DIAGRAM

S200 SCALE: 1/8"=1'-0"

HOLD-DOWN SCHEDULE		
MARK	HOLD-DOWN CONNECTOR	HOLD-DOWN CHORD
HD-1	SIMPSON HDU2-SDS2.5	(2) 2x's
HD-2	SIMPSON HDU5-SDS2.5	(2) 2x's

- NOTES:**
- HOLD DOWNS REQUIRED AT FOUNDATIONS AND AT FLOOR. REFER TO SHEAR WALL PLANS FOR LOCATIONS.
 - REFER TO MANUFACTURER'S SPECIFICATIONS FOR ANCHOR ROD SIZE. ANCHORS SHALL BE EMBEDDED 12" MIN. AT PERIMETER LOCATIONS AND 8" MIN. AT INTERIOR LOCATIONS

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

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PROFESSIONAL SEAL:
DAVID W. PAPIEVALU
REGISTERED
No. 11400417
STATE OF INDIANA
PROFESSIONAL ENGINEER
9-2-16
David Papieval

PROJECT DATE:
9/2/2016

No.	DESCRIPTION	DRAWN BY:	DATE ISSUED:

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

DRAWING TITLE:
SHEAR WALL PLAN

SHEET NUMBER:
S200



KJG Architecture, Inc.
 527 Sagamore Parkway W., Suite 101
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KEY NOTES:

- 1 ALL EXPOSED DUCT SHALL BE PRE-INSULATED, SPIRAL TYPE.
- 2 INSTALL EXHAUST FAN PER DETAIL 5/M501. DUCT UP THROUGH ROOF AND PROVIDE WEATHER CAP. PER 3/M501
- 3 FOR ROOFTOP UNIT MOUNTING SEE 2/M506.
- 4 FOR AIR DISTRIBUTION DETAIL, SEE 1/M501.
- 5 FOR DUCT TAKE-OFF DETAIL, SEE 7/M501
- 6 DUCT TO EXISTING FURNACE / AC UNIT ON MEZZANINE. CONTRACTOR TO VERIFY LOCATION.
- 7 PROVIDE BIRD SCREEN ON RETURN AIR DUCT.
- 8 INSTALL FURNACE IN MEZZANINE.
- 9 FOR CONDENSING UNIT INSTALLATION, SEE 4/M501.

PROJECT TITLE:
AUTO EXPRESS GARAGE ADDITION

2306 VETERANS MEMORIAL PARKWAY SOUTH
 LAFAYETTE, IN 47909

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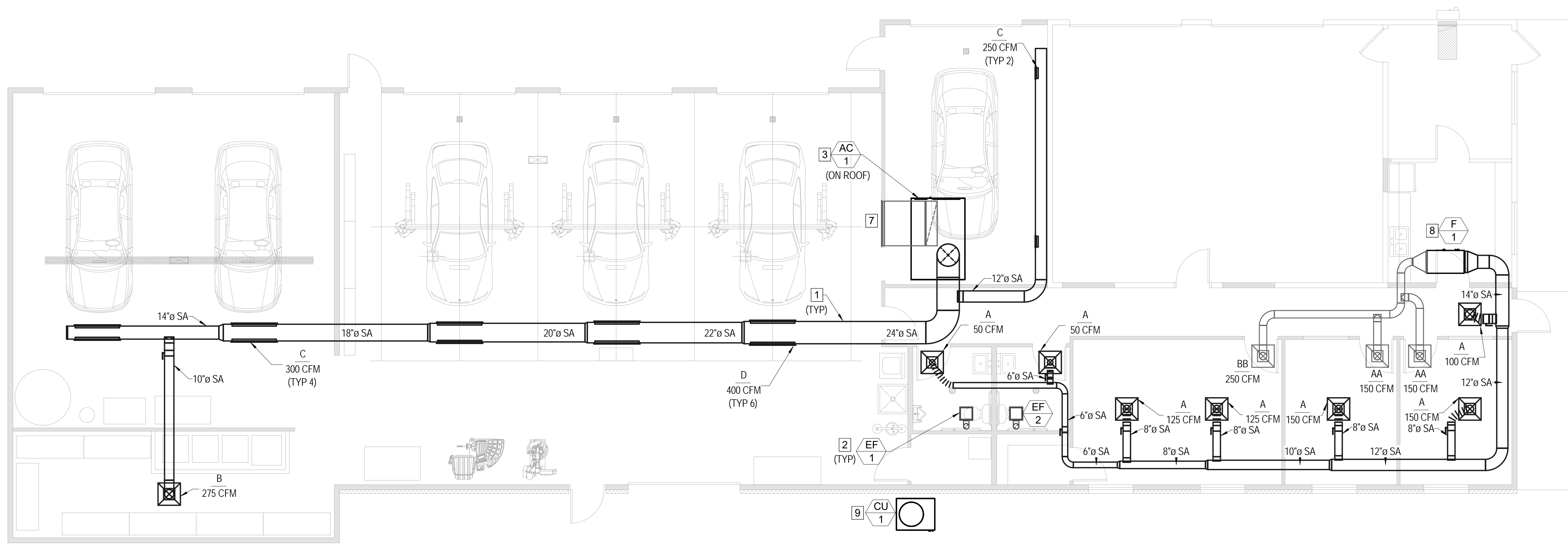
PROJECT DATE:

NO.	DESCRIPTION:	DRAWN BY:	DATE:	INSTR.:

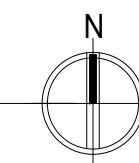
PROJECT NUMBER: **DRAWN BY:**

DRAWING TITLE:
MECHANICAL FLOOR PLAN

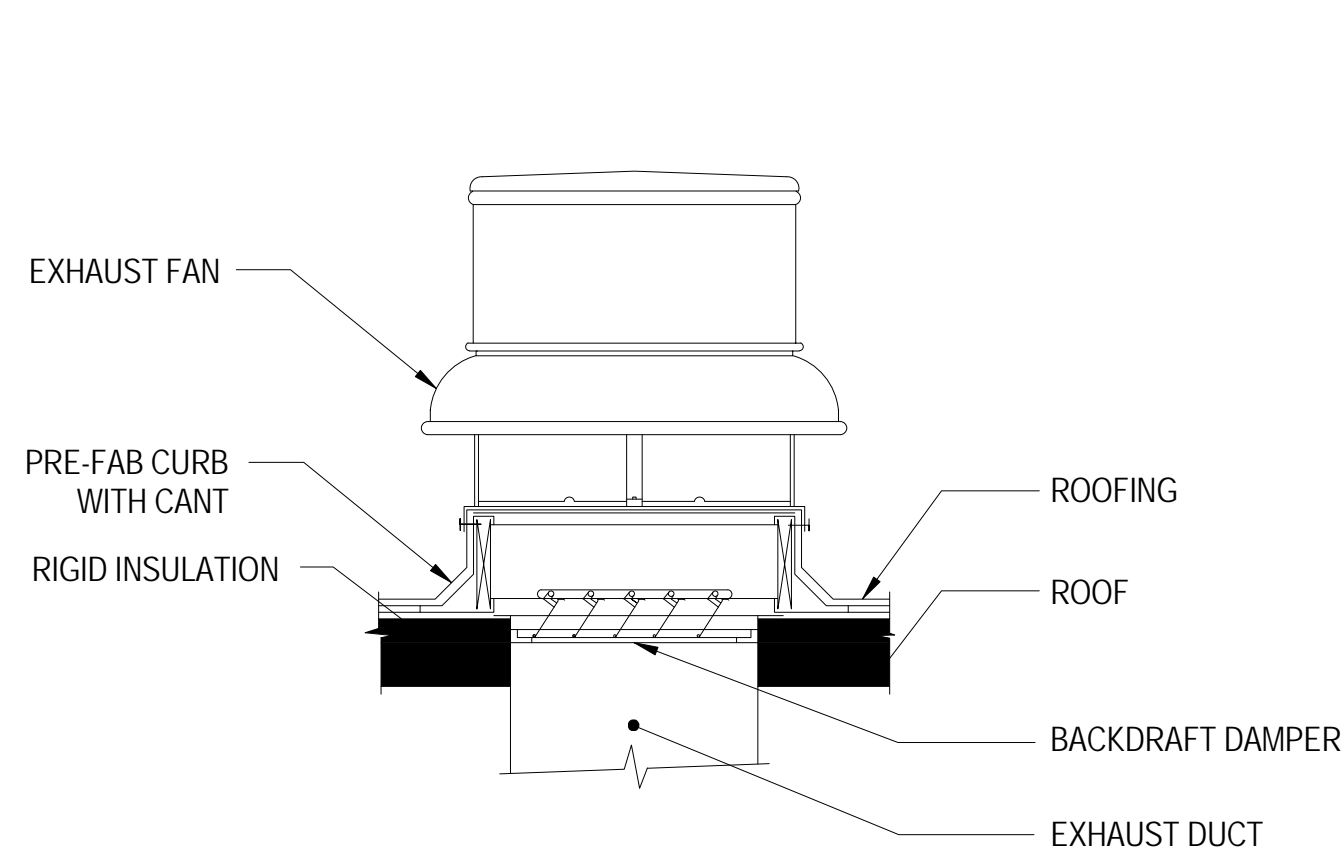
SHEET NUMBER:
M101



1 **MECHANICAL FLOOR PLAN**
 SCALE: 3/16" = 1'-0"



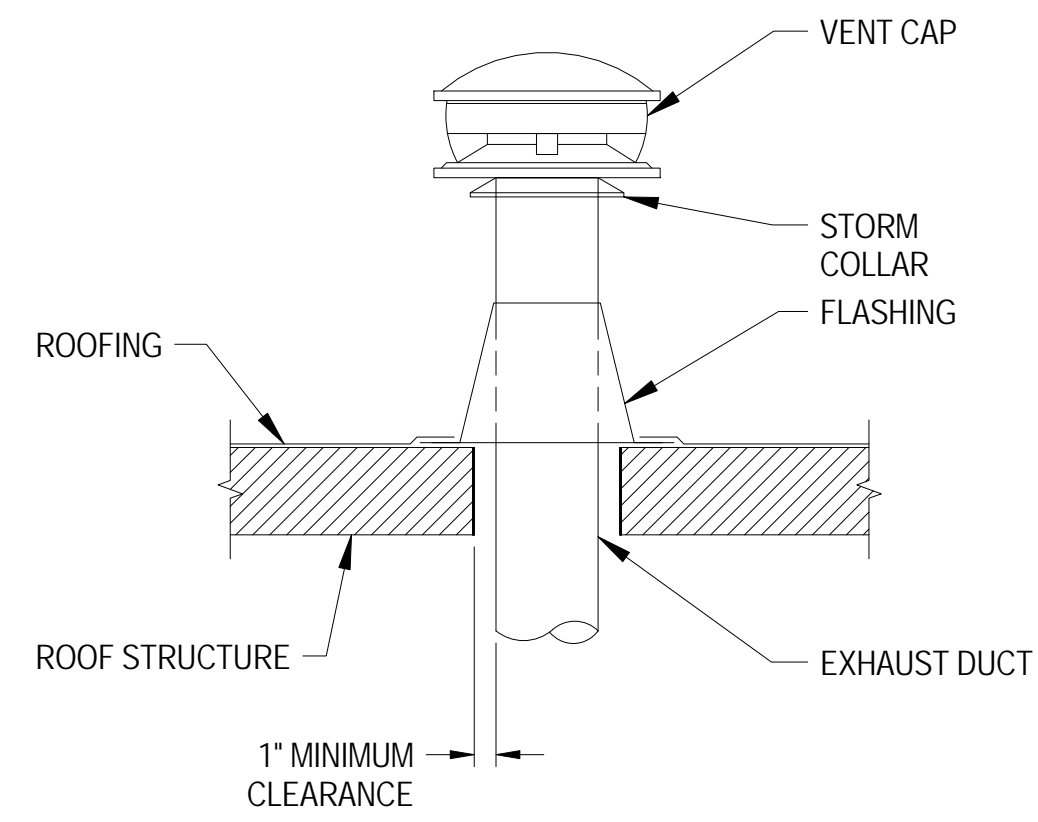
NOTES:
FAN & PRE-FAB CURB SHALL SIT LEVEL. PROVIDE LEVEL BASE IF ROOF IS PITCHED.



ROOF MOUNTED EXHAUST FAN INSTALLATION DETAIL

NO SCALE

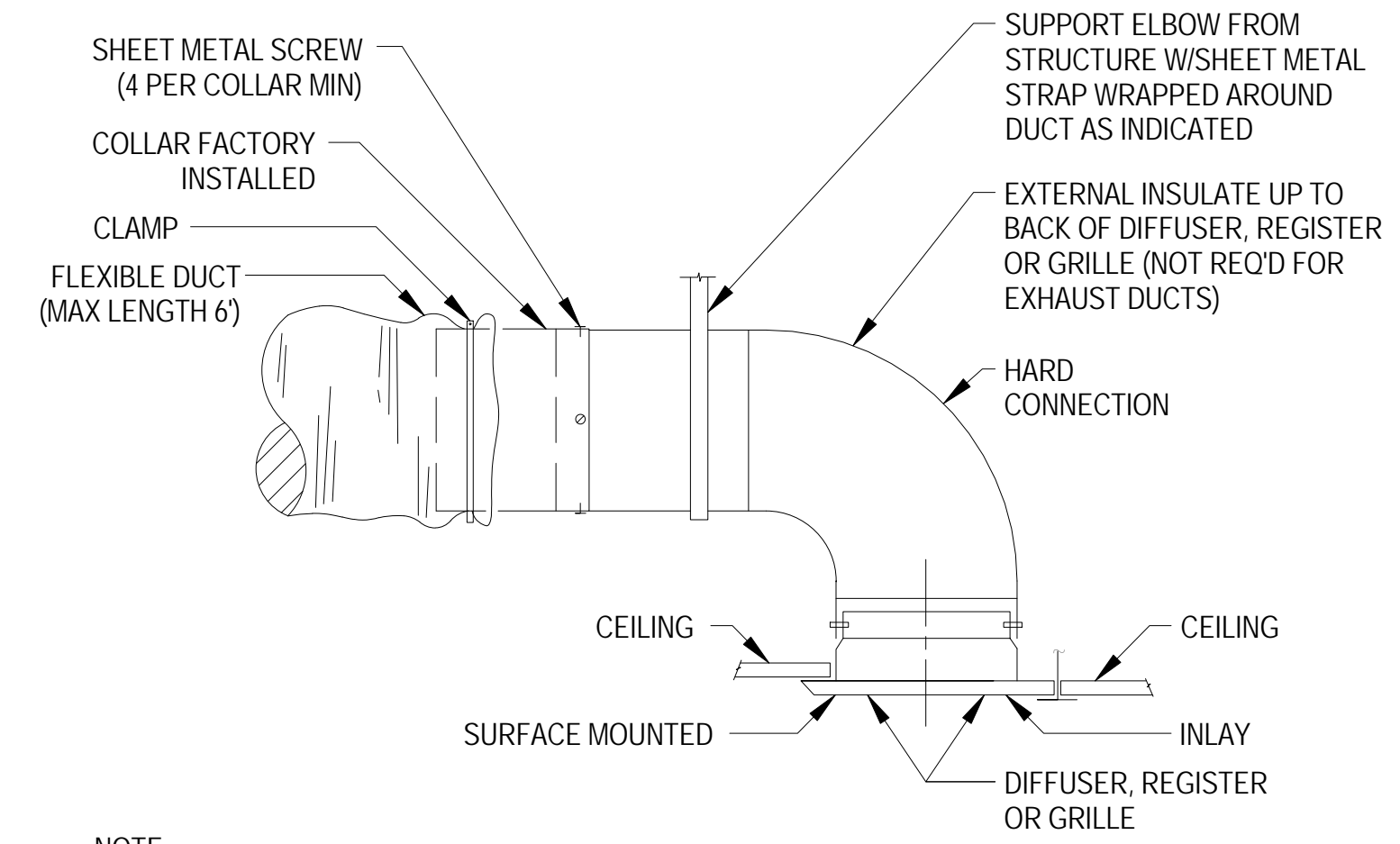
TYP **6**



EXHAUST OUTLET DETAIL

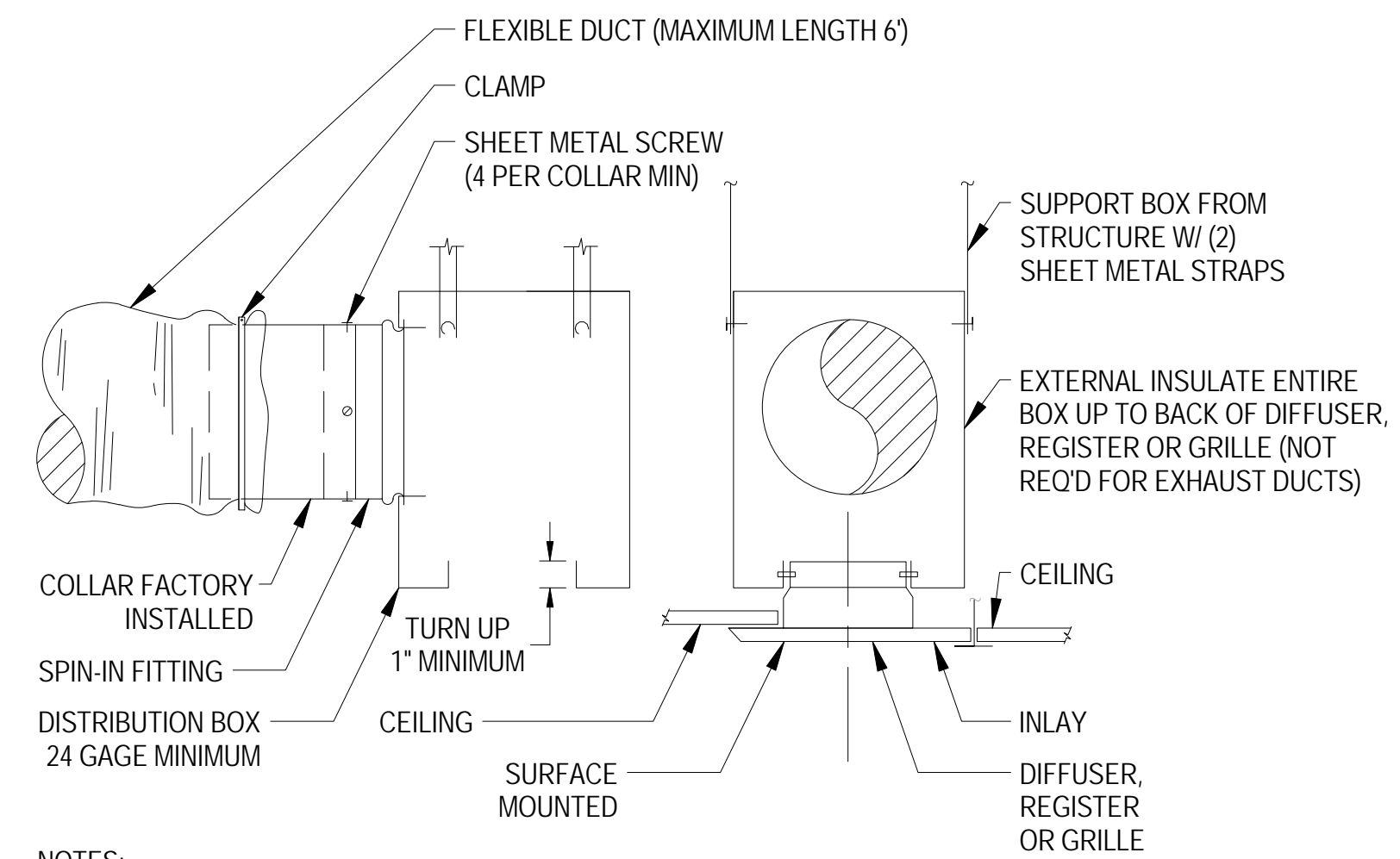
NO SCALE

TYP **3**



NOTE:
FLEXIBLE DUCT MUST BE SEALED TO COLLAR.

-----OR-----



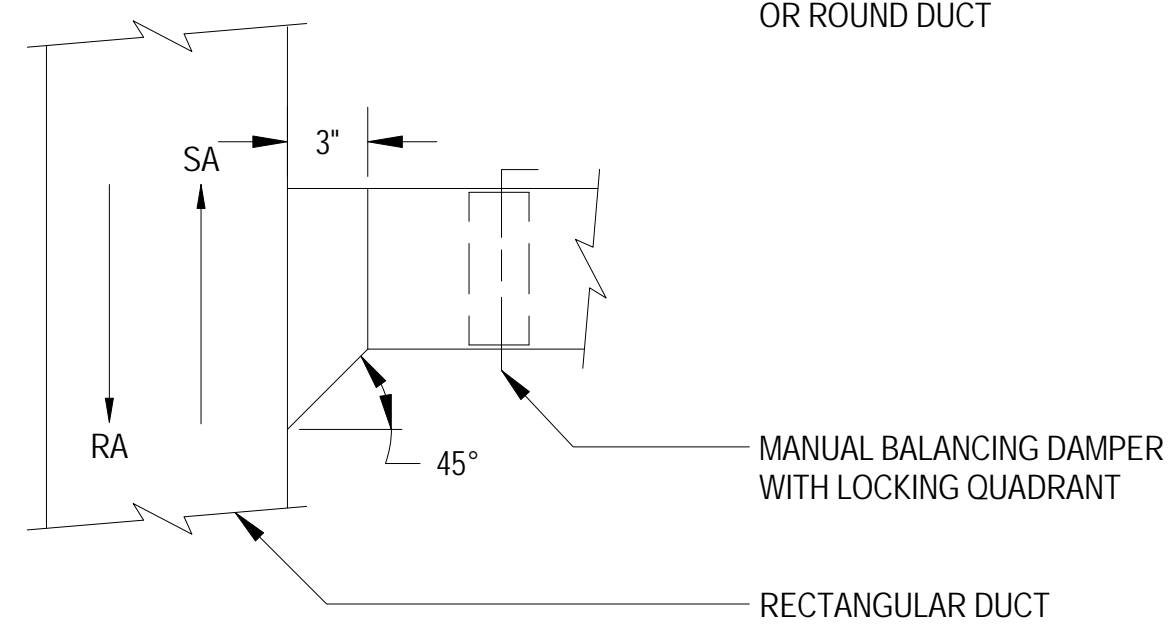
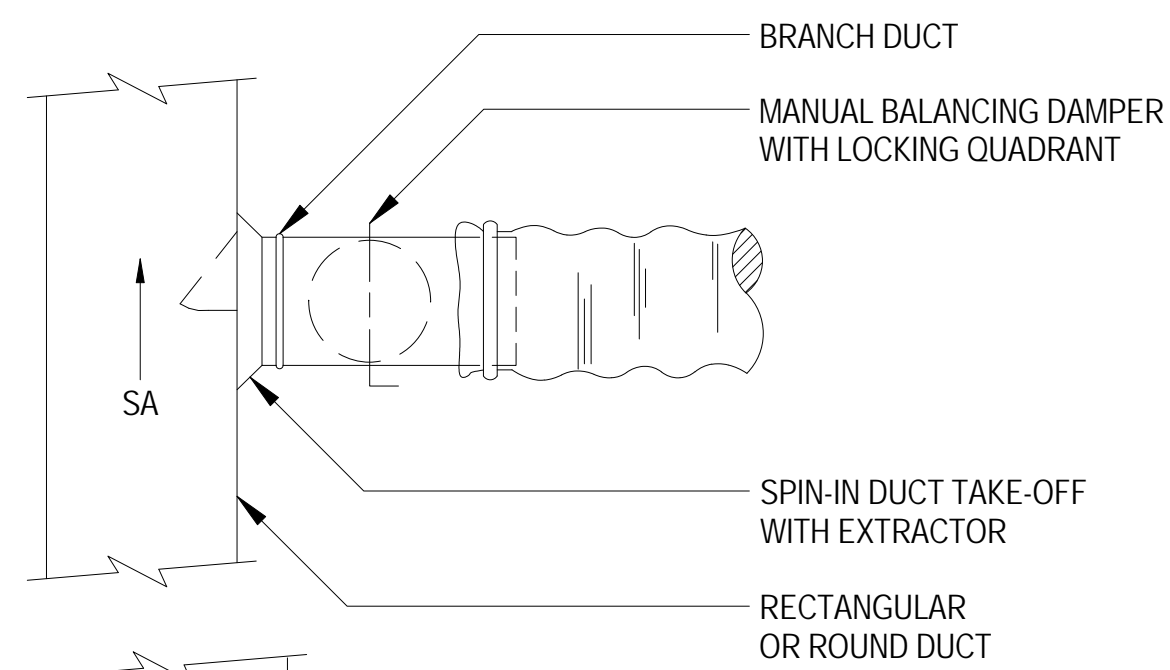
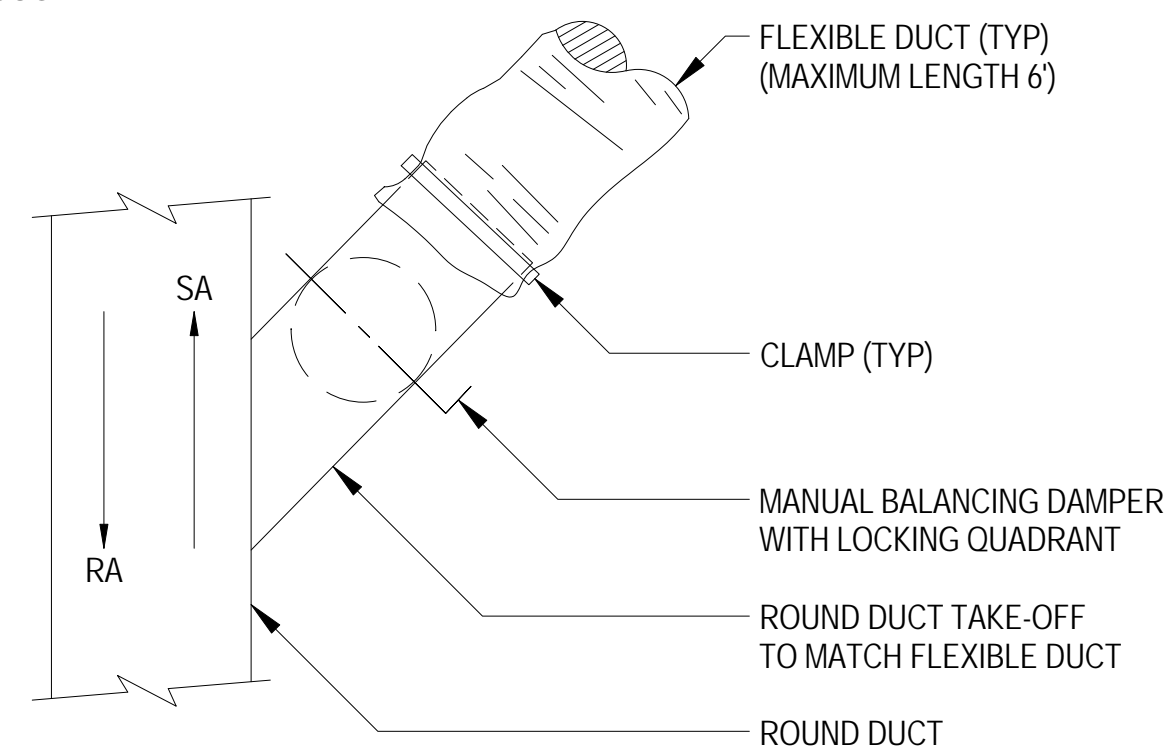
NOTES:
FLEXIBLE DUCT MUST BE SEALED TO COLLAR.

AIR DISTRIBUTION CONNECTION

NO SCALE

TYP **1**

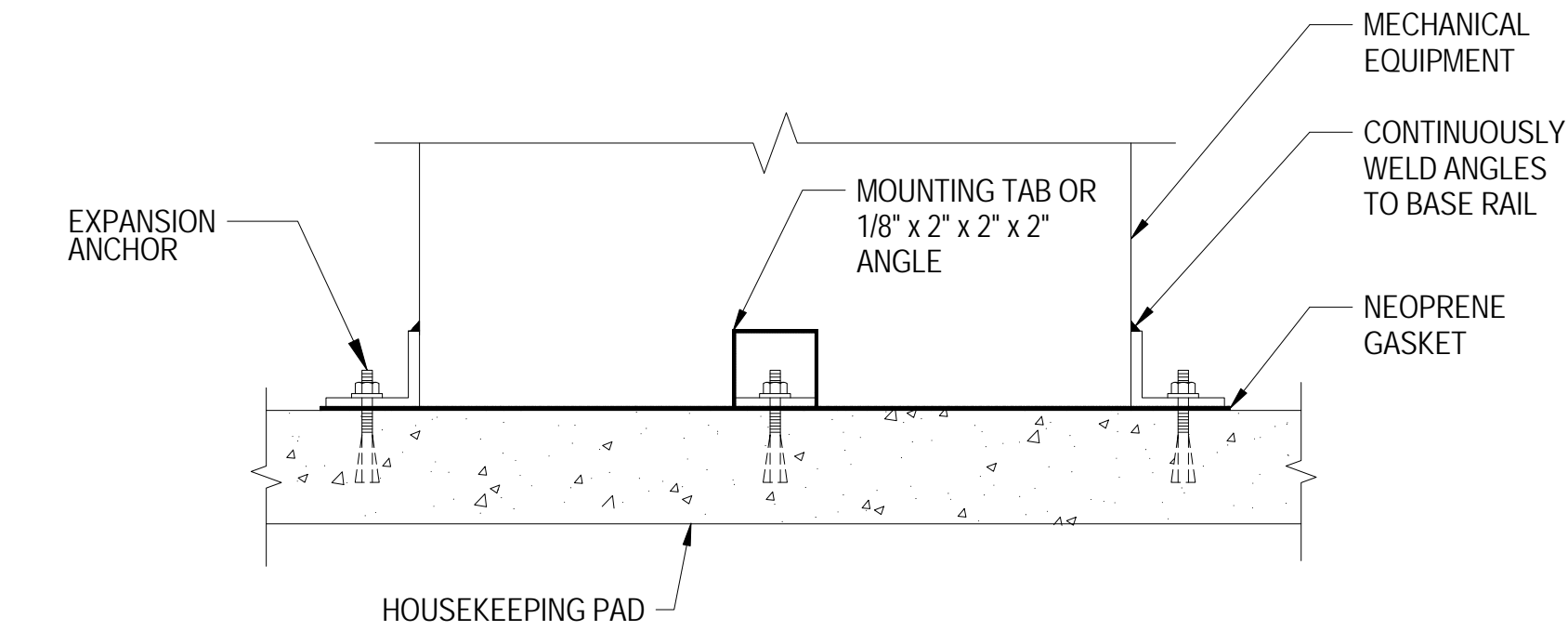
NOTES:
1. ALL BRANCH TAKE-OFFS TO BE INSTALLED PER SMACNA DUCT CONSTRUCTION STANDARDS.
2. ALL MANUAL BALANCING DAMPERS ON SUPPLY AIR DUCT SERVING VAV BOXES TO BE LOCKED IN OPEN POSITION WITH SCREW THROUGH HANDLE.



DUCT TAKE-OFFS

NO SCALE

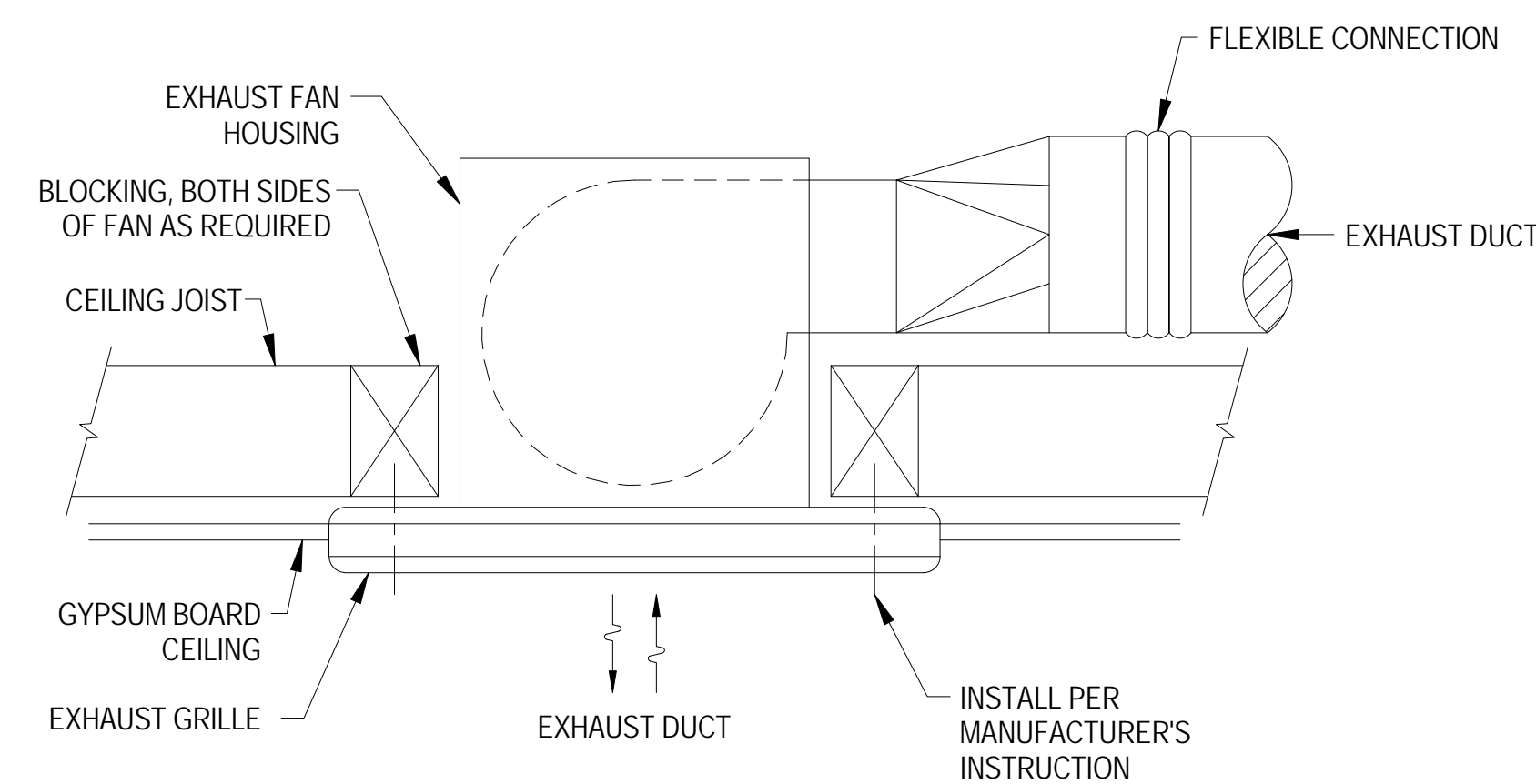
TYP **7**



CONDENSING UNIT MOUNTING

NO SCALE

TYP **4**



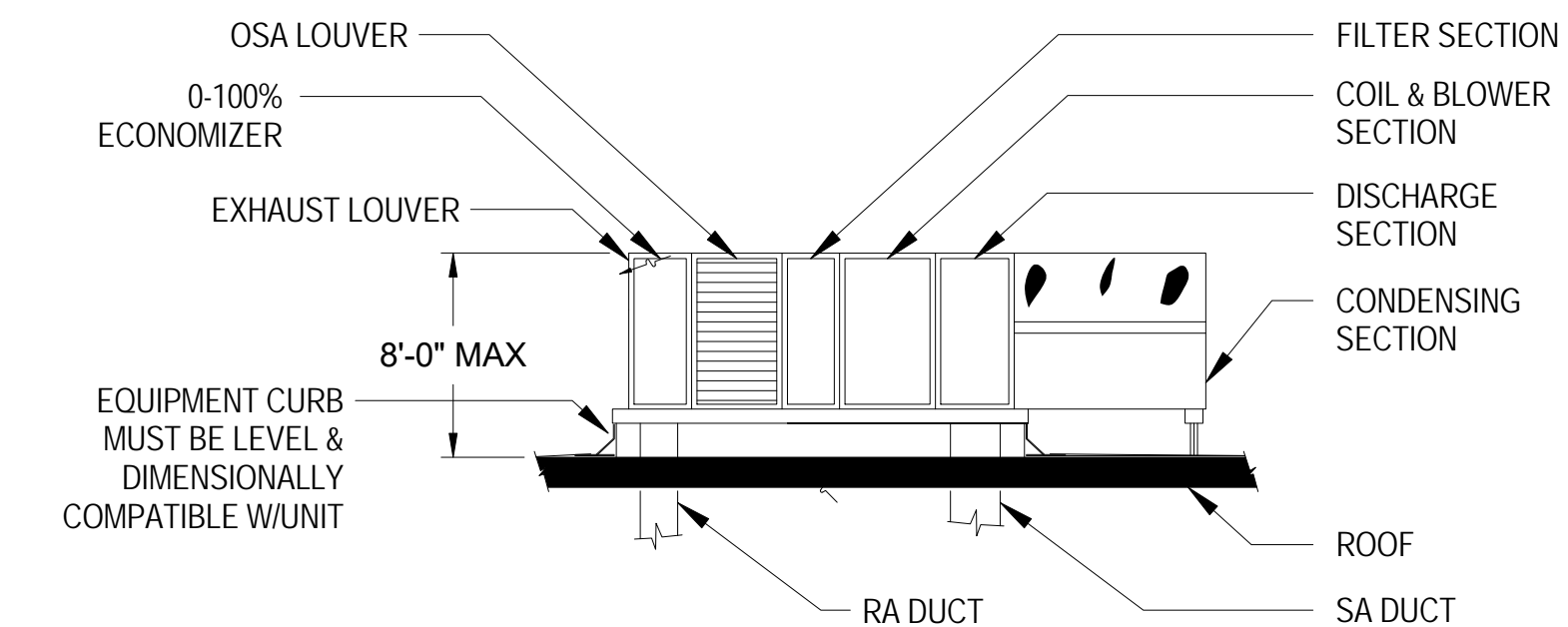
NOTES:
FLEXIBLE CONNECTION SHALL HAVE A FLAME SPREAD INDEX OF 75 OR LESS AND A SMOKE-DEVELOPED RATING OF 150.

CEILING MOUNTED EXHAUST FAN

NO SCALE

TYP **5**

NOTES:
1. UNITS SHALL BE INTERNALLY ISOLATED AND BOLTED TO CURB.



ROOFTOP PACKAGED AIR CONDITIONER DETAIL

NO SCALE

TYP **2**



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PROJECT TITLE:
AUTO EXPRESS GARAGE ADDITION

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PROFESSIONAL SEAL:



PROJECT DATE:

NO.	DESCRIPTION	DRAWN BY:	DATE:	INSTR:

PROJECT NUMBER: DRAWN BY:

DRAWING TITLE:
**MECHANICAL
DETAILS**

SHEET NUMBER:

M501

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 (IN/H2O)	EF FLOW (CFM)	EF ESP (IN/H2O)	AMBIENT			COOLING COIL					HEATING		AIR FILTERS			
																	DB	WB	DB	EDB	EWB				LDB	LWB	EDB	LDB	QTY	SIZE
AC 1	AIR CONDITIONER TRANE: YHC120	--	--	3.8	208	3	1.0	208	3	90	120	160	4375	1.5	3875	0.5	88	74	-3	80	67	55	54	42	90	-	-	1000	1200	PROVIDE VERTICAL INLET AND DISCHARGE, 0-100% ECONOMIZER WITH POWER EXHAUST, DEHUMIDIFICATION OPTION PRE-FAB ROOF CURB, AND THERMOSTAT. EFFICIENCY: SEER = 14, AFUE = 79
F	FURNACE TRANE: XXX	--	--	-	208	1	1	-	-	18	24	75	800	0.8	-	-	88	74	-3	80	67	55	54	42	90	-	-	350	150	UPFLOW FURNACE WITH A-COIL AND THERMOSTAT. EFFICIENCY: AFUE = 90%
CU 1	CONDENSING UNIT TRANE: XXX	--	--	-	208	3	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)
B	KRUEGER SERIES 1240	300 - 450	12x12	STEEL SUPPLY DIFFUSER WITH WHITE FINISH, NO OBDS, 24x24 FILLER PANEL FOR T-BAR MOUNTING (WHERE REQUIRED)
C	KRUEGER SERIES DPL	450 - 750	6X16	DRUM LOUVER FOR SPIRAL DUCT INSTALLATION, NO OBDS, -
D	KRUEGER SERIES DPL	400 - 600	6X24	DRUM LOUVER FOR SPIRAL DUCT INSTALLATION, NO OBDS, -
AA	KRUEGER SERIES S80H	100 - 250	10x10	STEEL RETURN REGISTER WITH WHITE FINISH, NO OBDS, 24x24 FILLER PANEL FOR T-BAR MOUNTING (WHERE REQUIRED)

EXHAUST FAN SCHEDULE

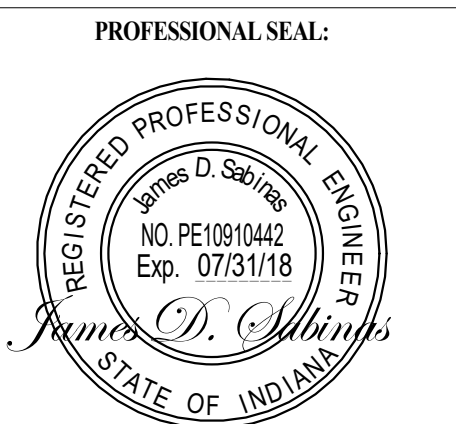
SYMBOL	DESCRIPTION	ELECTRICAL DATA			CAPACITIES		APPROX WEIGHT	REMARKS
		HP	VOLTS	PHASE	CFM	ESP (WG)		
EF 1	ROOF EXHAUST FAN GREENHECK: SP-A110	1/8	115	1	80	0.3	50	PROVIDE WITH BACKDRAFT DAMPER
EF 2	ROOF EXHAUST FAN GREENHECK: SP-A110	1/8	115	1	80	0.3	50	PROVIDE WITH BACKDRAFT DAMPER



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AUTO EXPRESS GARAGE ADDITION
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 LAFAYETTE, IN 47909

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PROJECT DATE:

No.	DESCRIPTION	DRAWN BY:	DATE ISSUED:

PROJECT NUMBER: DRAWN BY:

DRAWING TITLE:
MECHANICAL 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 \$ b \$	INDICATES SWITCHES a,b MOUNTED IN SEPARATE BOXES WITH SEPARATE COVERPLATES.
	FUSED SAFETY DISCONNECT SWITCH.
	NON-FUSED SAFETY DISCONNECT SWITCH.
	COMBINATION FUSED OR CIRCUIT BREAKER DISCONNECT STARTER.
	INTERIOR PHOTOCELL.
GFI WP	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
	AUDIO/VISUAL 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	-FUSE SIZE
200	-DISCONNECT SIZE
RK1	-FUSE TYPE

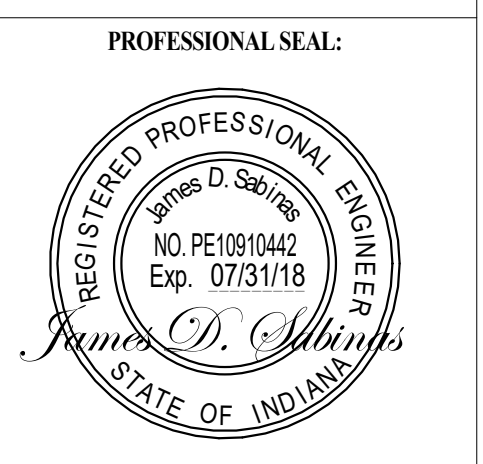
GENERAL NOTES

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



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

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PROJECT DATE:

NO.	DESCRIPTION:	DRAWN BY:	DATE:

PROJECT NUMBER: DRAWN BY:

DRAWING TITLE:
ELECTRICAL NOTES AND ABBREVIATIONS

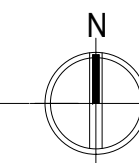
SHEET NUMBER:
E001



1
E100

ELECTRICAL SITE PLAN

SCALE: 1" = 20' - 0"



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PROJECT TITLE:
AUTO EXPRESS GARAGE ADDITION

2306 VETERANS MEMORIAL PARKWAY SOUTH
LAFAYETTE, IN 47909

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PROJECT DATE:

No.	DESCRIPTION:	DRAWN BY:	DATE:

PROJECT NUMBER: DRAWN BY:

DRAWING TITLE:
ELECTRICAL SITE PLAN

SHEET NUMBER:
E100

LUMINAIRE SCHEDULE										
CALLOUT	SYMBOL	LAMP	DESCRIPTION	BALLAST	MOUNTING	MODEL	INPUT WATTS	VOLTS	NOTE 1	QUANTITY
3MB		(240) 1.81W	CREE EDGE HIGH OUTPUT, TYPE III MEDIUM W- FULL BLS, 120 LEDS, 1000MA, 5700K	ELECTRONIC	CEILING	CREE, INC., ARE-EHO-3MB-xx-12-E-UL-xx-1000 or BXAK*H12E-UX (1000mA)	419.4	208V 2P 2W	PROVIDE WITH PHOTOCELL	2
E-B		(1) 2W	LITHONIA EXIT/ LIGHT COMBO		WALL/CEILING	# ECR LED M6	2	120V 1P 2W		5
E-C		(1) 3W	LITHONIA E-LIGHT ONLY		CEILING	# EUR LED M12	3	120V 1P 2W		2
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	22
F2		(1) 35W EATON LED 3000K	METALUX WSNLED 4FT WRAP	ELECTRONIC	CEILING	EATON - METALUX , 4WSNLED-LD4-36SL-F-UNV-L835-CD1-U	34.8	120V 1P 2W	ELECTRONIC DRIVER	7
F2E		(1)	METALUX WSNLED 4FT WRAP	ELECTRONIC	CEILING	EATON - METALUX , 4WSNLED-LD4-36SL-F-UNV-L835-CD1-U	64	120V 1P 2W	FITTED WITH BATT. BACKUP	2
F3		(1) 105W	METALUX 2X4 HBLEL FIXTURE WITH A CLEAR LENS DOOR. TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P33337)	ELECTRONIC	CEILING	EATON - METALUX , HBLEL-LD4-12-W-CL-UNV-L850-CD1-U	104.1	120V 1P 2W		10
F4		(1) 67W (224) EATON 4000K LEDS, (2) 2UT217056A8404A, (4) 2UT119028A8404A	METALUX LED STAIRWELL 7000 LM DBL ROW WITH WIDE OPAQUE LENS	ELECTRONIC	WALL	EATON-METALUX , 4SWLED-LD4-72HL-LW-UNV-L850-CD1	66.4	120V 1P 2W	(2) OSRAM ELECTRONIC DRIVER, OT50W0700CC	4
F5		(1) 25W 4 TYPE MDA LEds	CREE, XSPW SERIES WALLPACK LUMINAIRE, TYPE II MEDIUM, 4000K, INPUT POWER DESIGNATOR G	ELECTRONIC	WALL	CREE INC, XSPWx2FG-U	24.4	120V 1P 2W	PROVIDE WITH PHOTOCELL	5

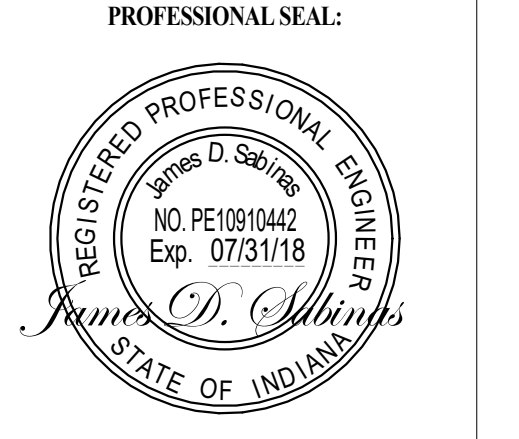
KEY NOTES:

- 1 PROVIDE WALL OR CEILING MOUNTED OCCUPANCY SENSOR IN EACH SPACE. PROGRAM FOR OFF FUNCTION ONLY.



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

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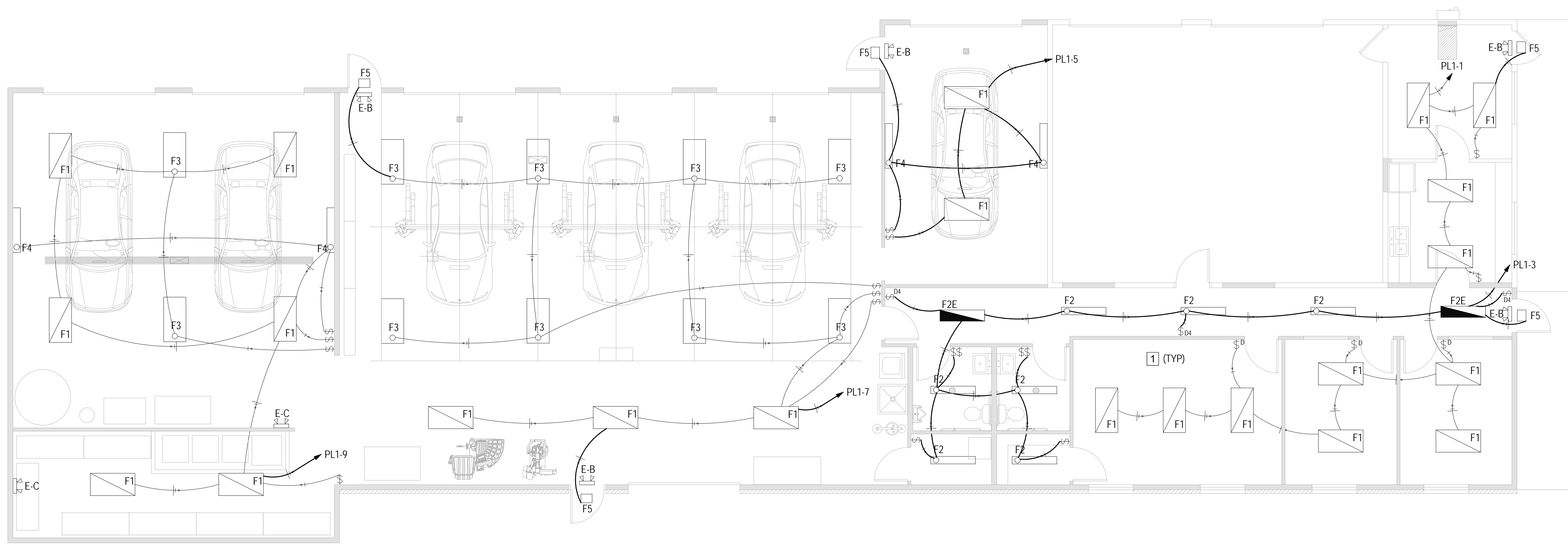
PROJECT DATE:

No.	DESCRIPTION	DRAWN BY	DATE	INSTR.

PROJECT NUMBER: **DRAWN BY:**

DRAWING TITLE:
LIGHTING FLOOR PLAN

SHEET NUMBER:
E101



1 LIGHTING FLOOR PLAN
 SCALE: 3/16" = 1'-0"

PL1

ROOM		VOLTS			208Y/120V 3P 4W		AIC		22,000		
MOUNTING SURFACE		BUS AMPS			400		MAIN BKR		400		
FED FROM UTILITY		NEUTRAL			100%		LUGS		STANDARD		
NOTE											
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA		
			A	B	C				A	B	C
1	201	LIGHTING	0.804			2	202	CL1	1.44		
3	201	EF1, EF2, LIGHTING		0.596		4				1.44	
5	201	LIGHTING			0.303	6	202	CL2			1.44
7	201	LIGHTING	1.05			8			1.44		
9	201	LIGHTING		0.78		10	202	CL3		1.44	
11	201	RECEPTACLE			1.08	12					1.44
13	201	RECEPTACLE	1.26			14	202	PW	2.04		
15	201	RECEPTACLE		1.08		16				2.04	
17	201	RECEPTACLE			1.08	18	302	CU-1			3.36
19	201	RECEPTACLE	1.08			20			3.36		
21	201	RECEPTACLE		0.9		22	603	RTU-1		5.82	
23	201	RECEPTACLE			1.08	24					5.82
25	201	RECEPTACLE	0.9			26			5.82		
27	201	RECEPTACLE		0.72		28	302	D RECEPTACLE		3.12	
29	201	RECEPTACLE			0.72	30					3.12
31	201	RECEPTACLE	0.18			32	203	AC	2.11		
33	201	CR1 RECEPTACLE		0.18		34				2.11	
35	201	CR2 RECEPTACLE			0.18	36					2.11
37	201	CR3 RECEPTACLE	0.18			38	201	F-1	1.92		
39	201	SPACE		0		40	201	TC RECEPTACLE		0.18	
41	201	SPACE			0	42	201	SB RECEPTACLE			0.18
43	201	SPACE	0			44	202	PARKING LIGHTING	0.419		
45	201	SPACE		0		46				0.419	
47	201	SPACE			0	48	201	SPACE			0
49	201	SPACE	0			50	201	SPACE	0		
51	201	SPACE		0		52	201	SPACE		0	
53	201	SPACE			0	54	201	SPACE			0
TOTAL CONNECTED KVA BY PHASE									24	20.8	21.9
			CONN KVA	CALC KVA		CONN KVA	CALC KVA				
LIGHTING			4.17	5.22	(125%)	CONTINUOUS	0	0	(125%)		
LARGEST MOTOR			17.5	21.8	(125%)	HEATING	0	0	(N/A)		
OTHER MOTORS			27.9	27.9	(100%)	COOLING	0	0	(N/A)		
RECEPTACLES			17.2	13.6	(50%-10)	NONCONTINUOUS	0	0	(100%)		
KITCHEN EQUIP			0	0	(N/A)	DIVERSE	0	0	(N/A)		
						METERED DEMAND	0	0	(125%)		
						TOTAL KVA	66.7	68.5			
						BALANCED 3-PHASE AMPS		190			

KEY NOTES:

- 1 REPLACE EXISTING SERVICE WITH NEW 208V, 3 PHASE, 400A.
- 2 PROVIDE DISCONNECT FOR ALL EQUIPMENT UNLESS PROVIDED BY EQUIPMENT MANUFACTURER.
- 3 PROVIDE POWER AND DATA CONNECTIONS AT 36" FOR WORK STATIONS. COORDINATE WITH OWNER.



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

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PROFESSIONAL SEAL:



PROJECT DATE:

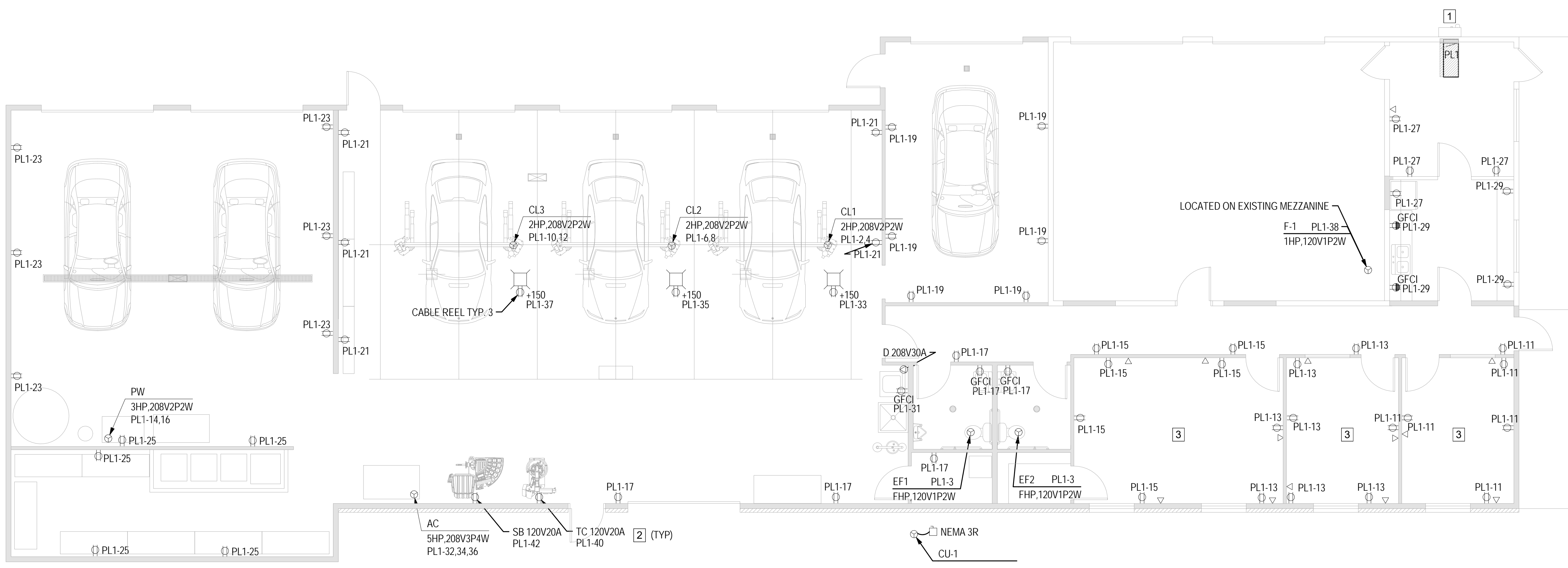
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PROJECT NUMBER: **DRAWN BY:**

DRAWING TITLE:
POWER FLOOR PLAN

SHEET NUMBER:

E102



1 POWER FLOOR PLAN
E102 SCALE: 3/16" = 1'-0"

KEY NOTES:

- 1 PROVIDE DISCONNECT UNLESS PROVIDED BY EQUIPMENT MANUFACTURER.



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AUTO EXPRESS GARAGE ADDITION

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PROFESSIONAL SEAL:



PROJECT DATE:

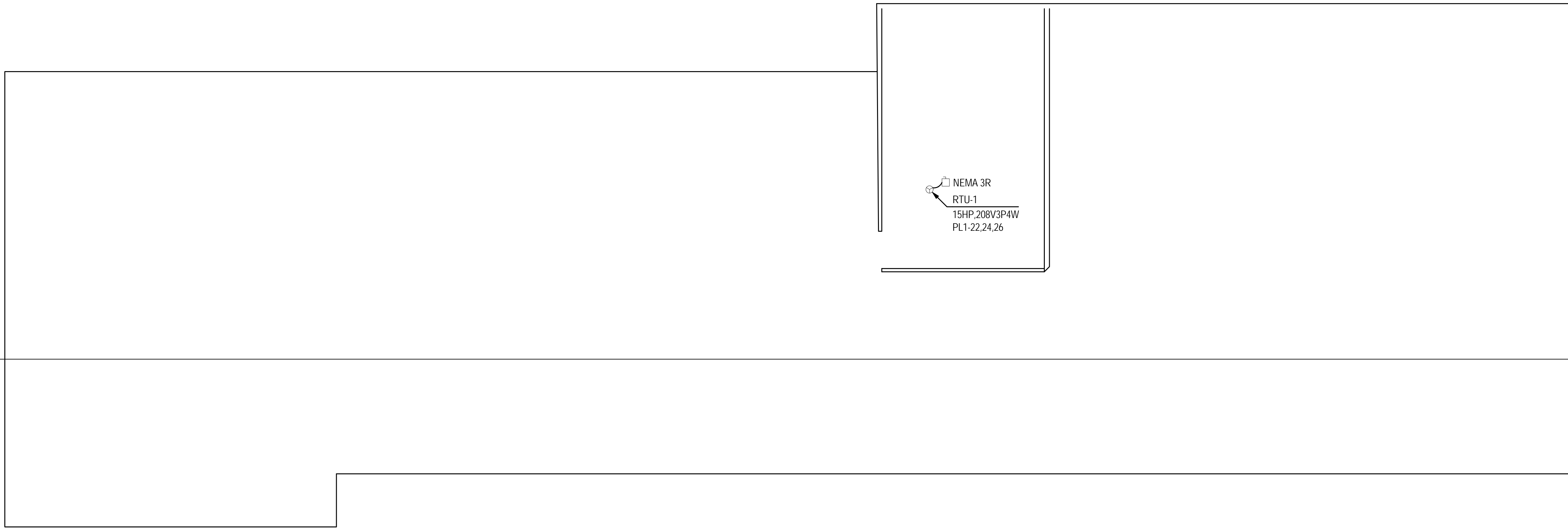
No.	DESCRIPTION:	DRAWN BY:	DATE ISSUED:

PROJECT NUMBER: **DRAWN BY:**

DRAWING TITLE:
ELECTRICAL ROOF PLAN

SHEET NUMBER:

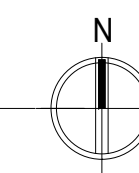
E103



1
E103

ELECTRICAL ROOF PLAN

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



EQUIPMENT SCHEDULE

SYMBOL	TYPE	MODEL	ELECTRICAL DATA				CAPACITY	WATER TEMP		APPROX WEIGHT	REMARKS
			HP	VOLTS	PHASE	AMP		ENT	LVG	LBS	
WH 1	WATER HEATER A.O. SMITH	GPHE-50	-	120	1	10	50	50	120	250	76 MBH, 90% EFFICIENCY

FIXTURE SCHEDULE

ITEM NO.	DESCRIPTION	MINIMUM ROUGH-IN SIZE				REMARKS
		WASTE	VENT	CW	HW	
WC 1	WATER CLOSET AMERICAN STANDARD	4"	2"	1-1/4"	-	FLOOR MOUNTED, WITH 1.28 GAL. FLUSH, CLOSED FRONT SEAT, AND COVER
L 1	LAVATORY AMERICAN STANDARD	1-1/4"	1-1/4"	1/2"	1/2"	WALL HUNG
LS 1	MOP SINK ELKAY	2	1-1/2"	1/2"	1/2"	STAINLESS STEEL
S 1	SINK - BREAKROOM AMERICAN STANDARD	2"	1-1/2"	1/2"	1/2"	STAINLESS STEEL, DOUBLE BOWL
ESE 1	EMERGENCY SHOWER EYEWASH BRADLEY	-	-	-	-	-
TV 1	TEMPERING VALVE BRADLEY	-	-	1/2"	1/2"	FOR USE WITH EMERGENCY SHOWER
HB 1	HOSE BIBB	-	-	3/4"	-	-
TD 1	TRENCH DRAIN	2"	1-1/2"	-	-	-
FD 1	FLOOR DRAIN WATTS - FD15-R	2"	1-1/2"	1/2"	-	ADJUSTABLE, CAST IRON, WITH TRAP PRIMER
HR 1	HOSE REEL COXREEL	-	-	-	-	FOR COMPRESSED AIR SYSTEM

FIXTURE CALCULATIONS

TYPE OF FIXTURE	CW SUPPLY			HW SUPPLY		SEWER	
	QTY	FU	TOTAL	FU	TOTAL	FU	TOTAL
WATER CLOSET	2	5	10	-	-	4	8
LAVATORY	2	1.5	3	1.5	3	2	4
MOP SINK	1	3	3	3	3	2	2
SINK	1	3	3	3	3	2	2
EMERGENCY SHOWER EYEWASH	1	3	3	3	3	2	2
HOSE BIBB	5	1	5	-	-	-	-
TRENCH DRAIN	1	-	-	-	-	4	4
FLOOR DRAIN	7	-	-	-	-	2	14
TOTAL FU GPM	27 CWFU + 12 HWFU = 39 FU 19 GPM = 2" MAIN			12 HWFU 16 GPM = 1-1/4" MAIN		36 DFU 4" MAIN	

GENERAL NOTES

- LOCATION AND SIZE OF EXISTING PIPING TO REMAIN IS ESTIMATED. DURING BID, CONTRACTOR TO ASSUME THAT PIPING SHOWN MAY BE OFF LOCATION UP TO 3 FEET IN EITHER DIRECTION.
- CONTRACTOR TO VERIFY EXACT SIZE AND LOCATION OF EXISTING PIPING PRIOR TO DEMOLITION.
- CONTRACTOR TO DETERMINE INVERT ELEVATIONS OF EXISTING WASTE LINES TO ASSURE SUFFICIENT DEPTH FOR EXTENDING LINE PRIOR TO SAW CUTTING.
- CONTRACTOR TO REMOVE WALL, CEILING, AND FLOORS AS REQUIRED FOR DEMOLITION AND INSTALLATION OF PLUMBING FIXTURES AND ASSOCIATED PIPING.
- CONTRACTOR TO REPAIR ALL VOIDS IN FLOORS CAUSED BY SAW CUTTING AND FIXTURE OR PIPE REMOVAL TO MATCH ADJACENT SURFACES.
- TO MAKE CONNECTION FOR NEW PLUMBING FIXTURE TO EXISTING PIPING, REMOVE FIXTURE CARRIER AND PORTION OF PIPING AS REQUIRED, WHEN REMOVING PLUMBING FIXTURE.
- UNLESS SPECIFICALLY SHOWN ON THESE PLANS, NO STRUCTURAL MEMBER SHALL BE CUT, DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT.
- FOR FIXTURE HEIGHT AND ACCESSIBILITY REQUIREMENTS SEE ARCHITECTURAL DRAWINGS.
- ALL INVERT ELEVATIONS REPRESENTED BY - X.XX FT, ARE BELOW FINISHED FLOOR ELEVATION.
- ALL SAW CUTTING SHALL BE COORDINATED WITH ARCHITECT PRIOR TO COMMENCING ANY TYPE OF WORK. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFIED ALL EXISTING CONDITIONS PRIOR TO COMMENCING WORK.
- ALL WORK SHALL CONFORM TO INTERNATIONAL PLUMBING CODE (IPC), INDIANA RESIDENTIAL CODE, AND INDIANA RESIDENTIAL POOL CODE.
- THE SEISMIC ANCHORAGE OF MECHANICAL AND ELECTRICAL EQUIPMENT SHALL CONFORM TO CCR, TITLE 24, 2001 CBC SECTION 1632A AND TABLE 16A-0. ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIPMENT SHALL BE SHOWN ON PLANS.
- ALL PENETRATION THROUGH ROOF AND FLOOR SHALL BE FIRE STOPPED. AVOID PENETRATIONS ABOVE POOL ROOM TO ENSURE VAPOR BARRIER CONTINUITY.

PLUMBING LEGEND

SYMBOL	ABBREV.	DESCRIPTION	ABBREV.	DESCRIPTION
---	S OR W	SANITARY SEWER OR WASTE A/G	AFF	ABOVE FINISHED FLOOR
---	S OR W	SANITARY SEWER OR WASTE B/G	A/G	ABOVE GRADE
---	CWV	COMBINATION WASTE & VENT	B/F	BELOW FLOOR
---	V	VENT	B/G	BELOW GRADE
---	CW	COLD WATER	CONC.	CONCRETE
---	HW	HOT WATER	CONN.	CONNECTION
---	HWR	HOT WATER RETURN	CONT.	CONTINUATION
---	CD	CONDENSATE DRAIN	DN.	DOWN
---	DE	DEIONIZED WATER	DF	DRINKING FOUNTAIN
---	DER	DEIONIZED WATER RETURN	FF ELEV.	FINISHED FLOOR ELEVATION
---	DS	DOWNSPOUT	FG	FINISHED GRADE
---	F	FIRE MAIN	FH	FIRE HYDRANT
---	SPK	FIRE SPRINKLER	FU	FIXTURE UNIT
---	IW	INDIRECT WASTE	FT	FLUSH TANK
---	G	NATURAL GAS (LOW PRESSURE)	FV	FLUSH VALVE
---	MPG	NATURAL GAS (MEDIUM PRESSURE)	GPM	GALLONS PER MINUTE
---	HPG	NATURAL GAS (HIGH PRESSURE)	HC	HANDICAPPED
---	ODS	OVERFLOW DOWNSPOUT	I/A	IN ATTIC OR ABOVE CEILING
---	ORW	OVERFLOW RAIN WATER	I.E.	INVERT ELEVATION
---	RW	RAIN WATER	LAV	LAVATORY
---	SD	STORM DRAIN	MH	MANHOLE
---	TP	TRAP PRIMER	MS	MOP SINK
---	FCO	FLOOR CLEAN-OUT	PIV	POST INDICATOR VALVE
---	COTG	CLEAN-OUT TO GRADE	RI & C	ROUGH-IN & CONNECT
---	WCO	WALL CLEAN-OUT	SS	SERVICE SINK
---	HB	HOSE BIBB	SH	SHOWER
---		PIPE RISING	S	SINK
---		PIPE DOWN	TYP.	TYPICAL
---	S.O.V.	SHUT-OFF VALVE	U/G	UNDERGROUND
---		SHUT-OFF VALVE ON RISE OR DROP	U	URINAL
---	GLV	GLOBE VALVE	VTR	VENT THRU ROOF
---	CV	CHECK VALVE	WC	WATER CLOSET
---		BALANCING VALVE	WH	WATER HEATER
---		GAS COCK	W/	WITH
---	WHA	WATER HAMMER ARRESTOR		
---	FD	FLOOR DRAIN		
---	FSK	FLOOR SINK		
---	CB	CATCH BASIN		
---	RD	ROOF DRAIN		
---	ORD	OVERFLOW ROOF DRAIN		
---	P.O.C.	POINT OF CONNECTION		



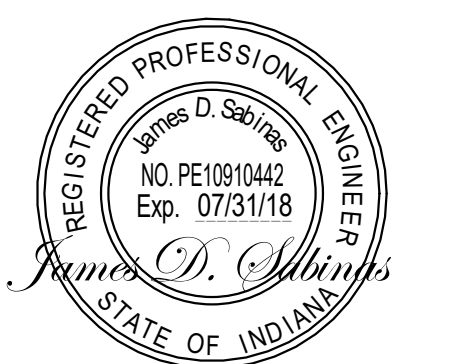
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PROJECT TITLE:
AUTO EXPRESS GARAGE ADDITION

2306 VETERANS MEMORIAL PARKWAY SOUTH
LAFAYETTE, IN 47909

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PROFESSIONAL SEAL:



PROJECT DATE:

NO.	DESCRIPTION	DRAWN BY	DATE ISSUED

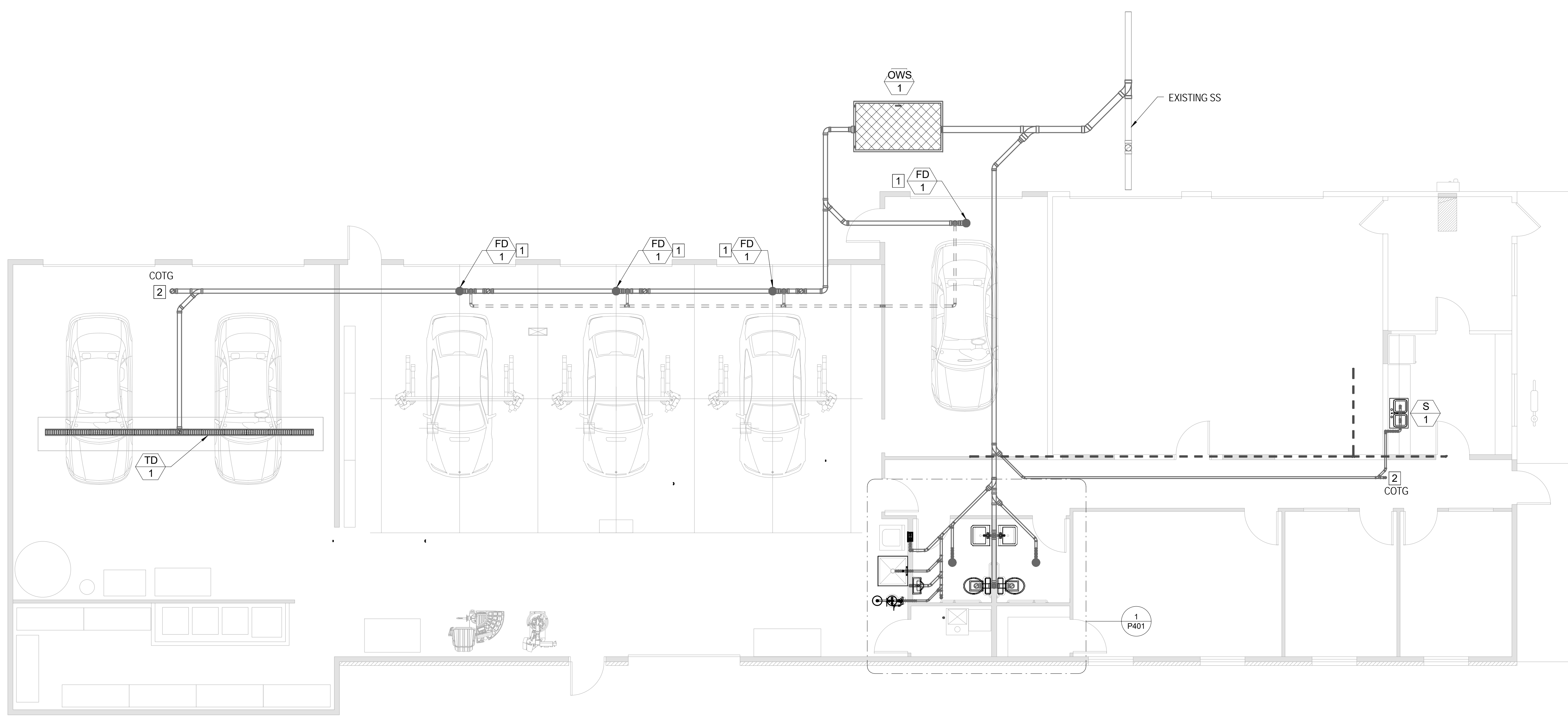
PROJECT NUMBER: **DRAWN BY:**

DRAWING TITLE:

PLUMBING NOTES

SHEET NUMBER:

P001



KEY NOTES:

- 1 FOR FLOOR SINK/DRAIN DETAIL, SEE 1/P501.
- 2 FOR CLEANOUT DETAIL, SEE 2/P501.



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

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PROJECT DATE:

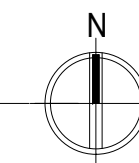
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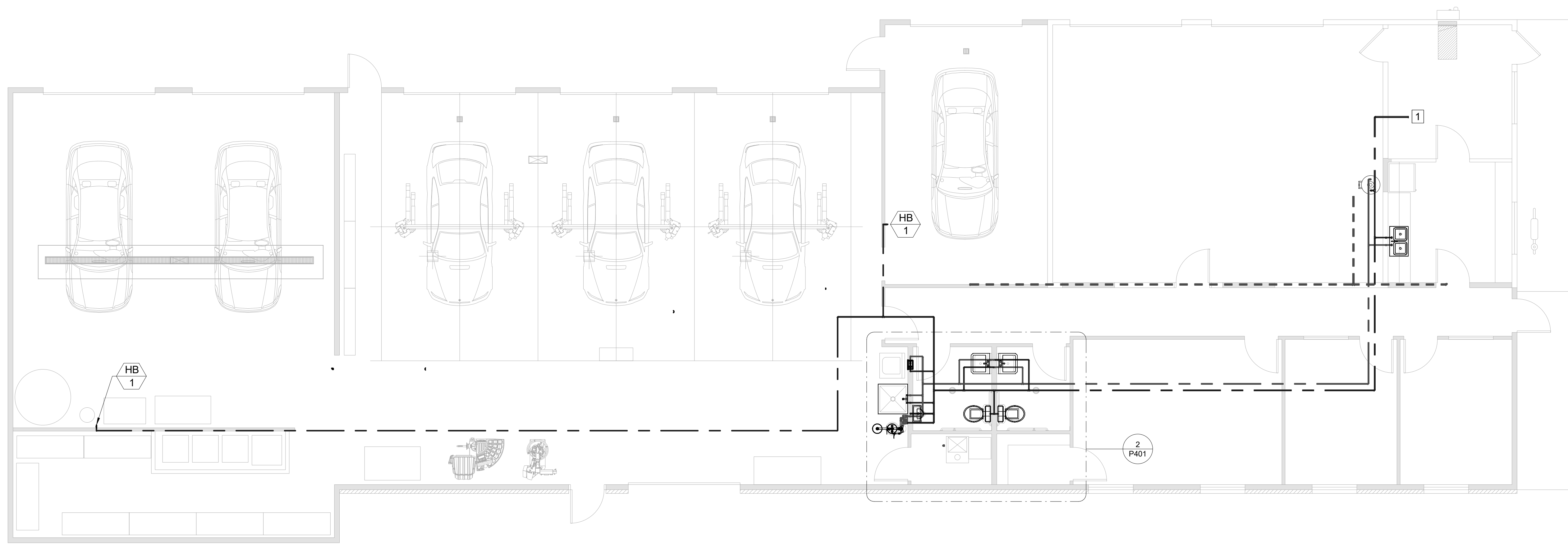
PROJECT NUMBER: **DRAWN BY:**

DRAWING TITLE:
PLUMBING FLOOR PLAN DWV

SHEET NUMBER:
P101

1 **PLUMBING FLOOR PLAN - DWV**
 SCALE: 3/16" = 1'-0"





1
P102 PLUMBING FLOOR PLAN - WATER
SCALE: 3/16" = 1'-0"

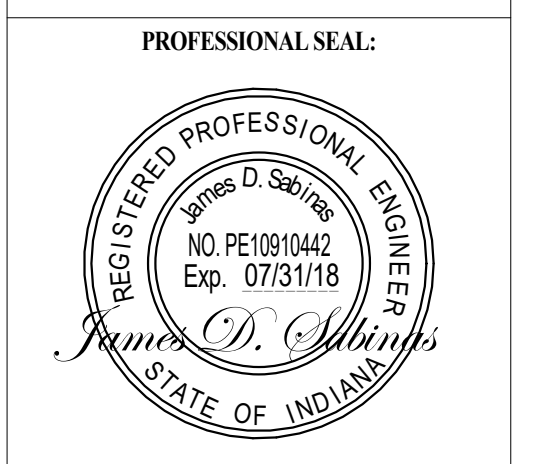
KEY NOTES:

- 1 DCW TO TIE INTO EXISTING DCW. CONTRACTOR TO VERIFY LOCATION AND SIZE.
- 2 MOUNT WATER HEATER ON EXISTING MEZZANINE.



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

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PROJECT DATE:

No.	DESCRIPTION	DRAWN BY	DATE

PROJECT NUMBER: **DRAWN BY:**

DRAWING TITLE:
PLUMBING FLOOR PLAN WATER

SHEET NUMBER:
P102



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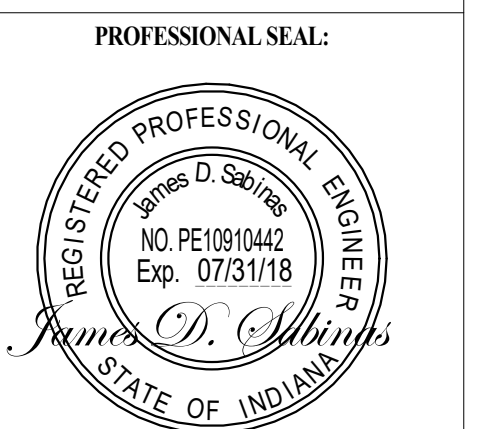
KEY NOTES:

- 1 CONTRACTOR TO VERIFY SIZE OF EXISTING GAS METER, REPLACE IF NEEDED.
- 2 NEW GAS TO TIE INTO EXISTING GAS LINE. CONTRACTOR TO VERIFY LOCATION AND SIZES.
- 3 GAS UP TO ROOF MOUNTED MECHANICAL UNIT, FOR EXACT LOCATION, SEE MECHANICAL PLANS.
- 4 GAS TO MECHANICAL UNIT, FOR EXACT LOCATION, SEE MECHANICAL PLANS.
- 5 FOR HOSE REEL DETAIL, SEE 4/P501.
- 6 FOR AIR COMPRESSOR DETAIL, SEE 6/P501.
- 7 GAS TO WATER HEATER.

PROJECT TITLE:
AUTO EXPRESS GARAGE ADDITION

2306 VETERANS MEMORIAL PARKWAY SOUTH
 LAFAYETTE, IN 47909

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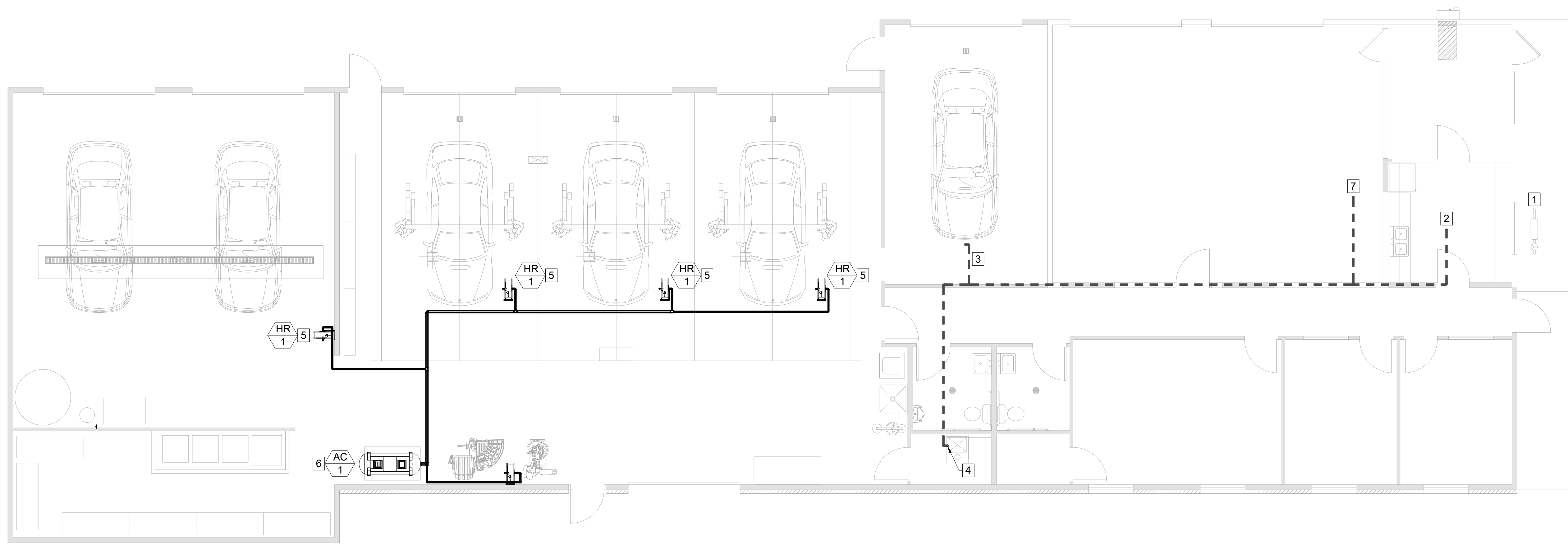
PROJECT DATE:

No.	DESCRIPTION	DRAWN BY	DATE	INSTR.

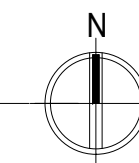
PROJECT NUMBER: **DRAWN BY:**

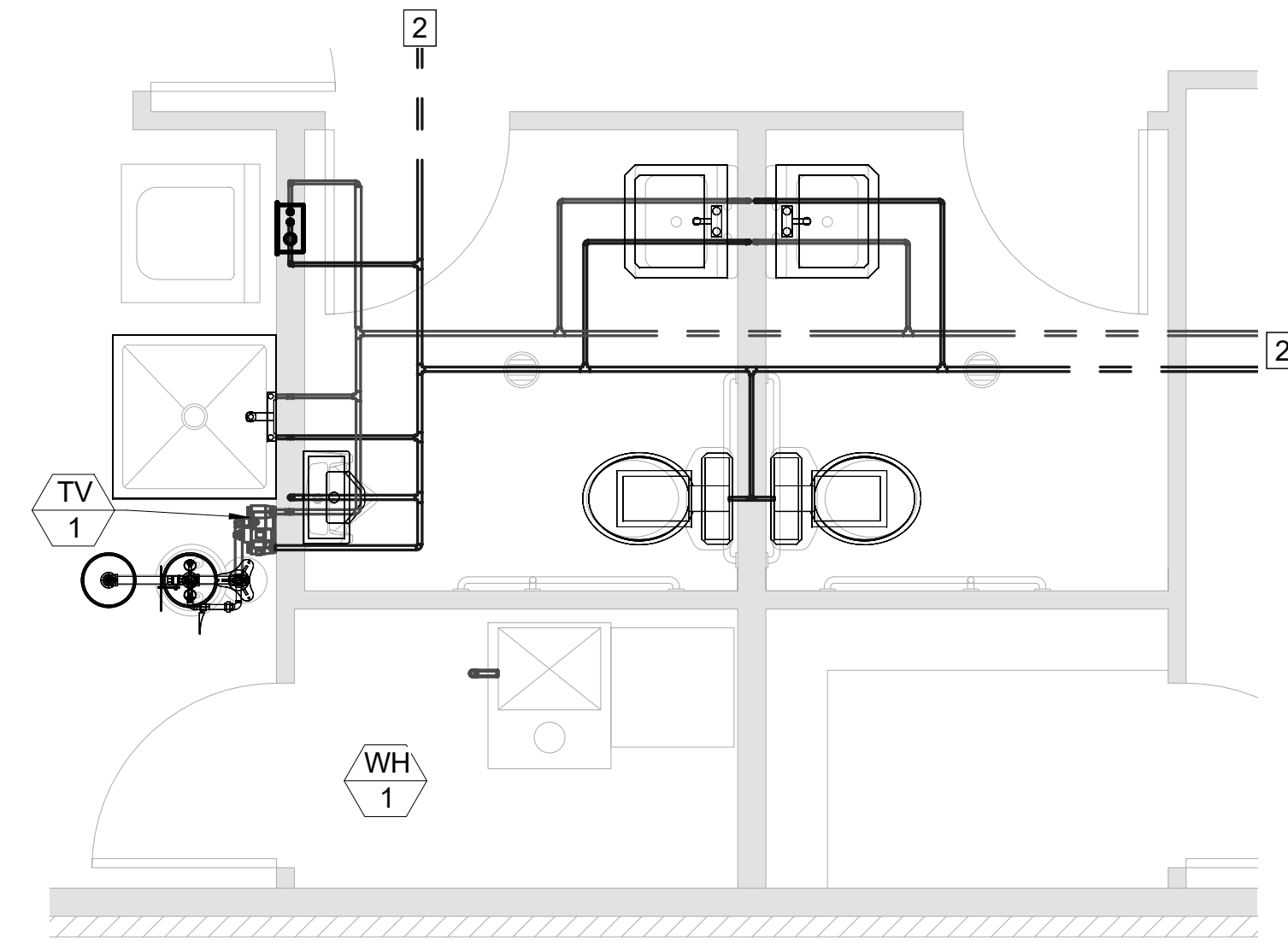
DRAWING TITLE:
PLUMBING FLOOR PLAN
COMPRESSED AIR
GAS

SHEET NUMBER:
P103



1 **PLUMBING FLOOR PLAN - COMPRESSED AIR / GAS**
 SCALE: 3/16" = 1'-0"

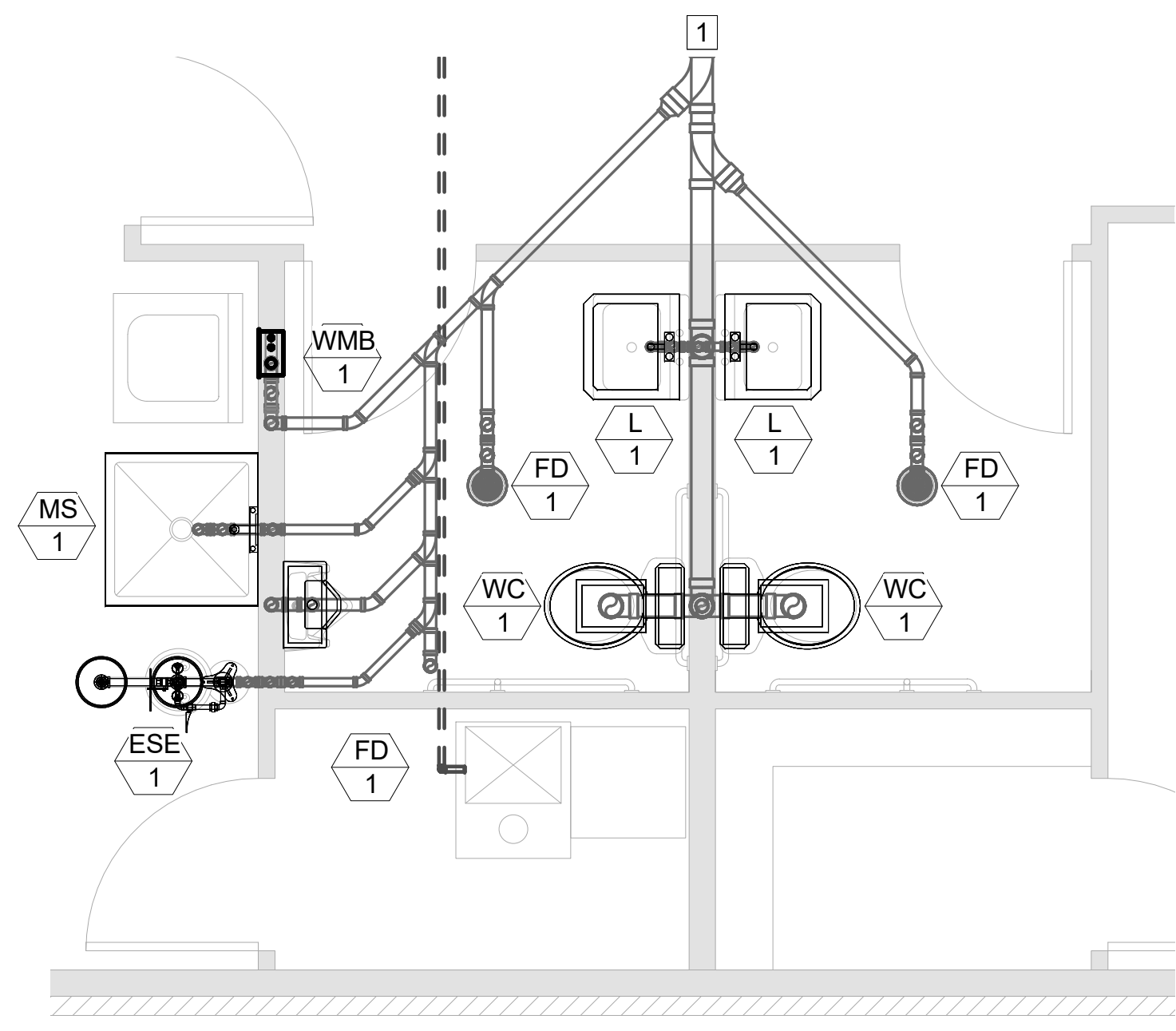
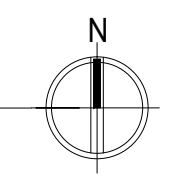




2
P401

PLUMBING ENLARGED RESTROOM PLAN - WATER

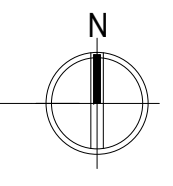
SCALE: 3/8" = 1'-0"



1
P401

PLUMBING ENLARGED RESTROOM PLAN - DWV

SCALE: 3/8" = 1'-0"



KEY NOTES:

- 1 FOR CONTINUATION, SEE 1/P101.
- 2 FOR CONTINUATION, SEE 1/P102.



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PROFESSIONAL SEAL:



PROJECT DATE:

No.	DESCRIPTION:	DRAWN BY:	DATE:

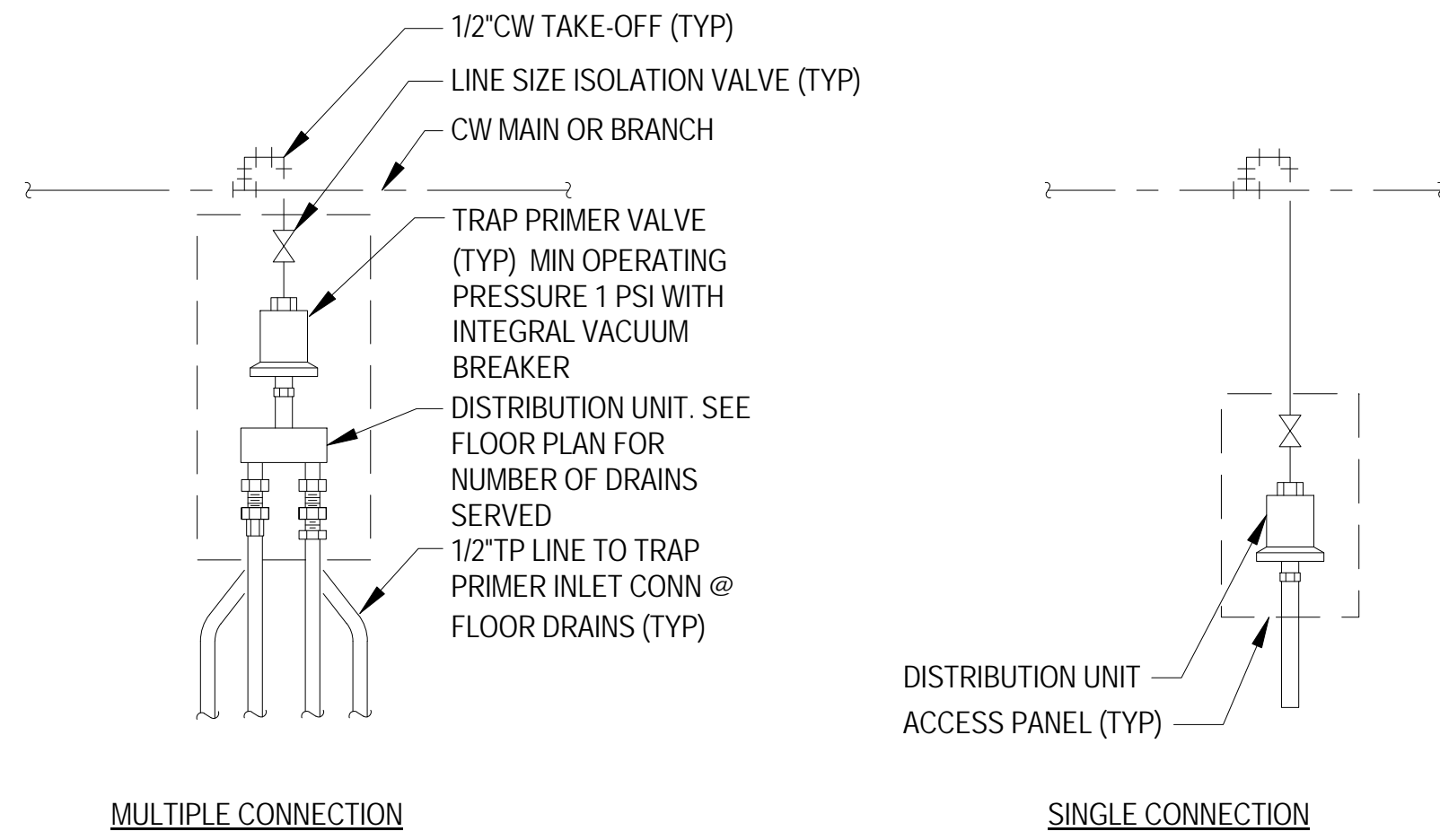
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DRAWING TITLE:

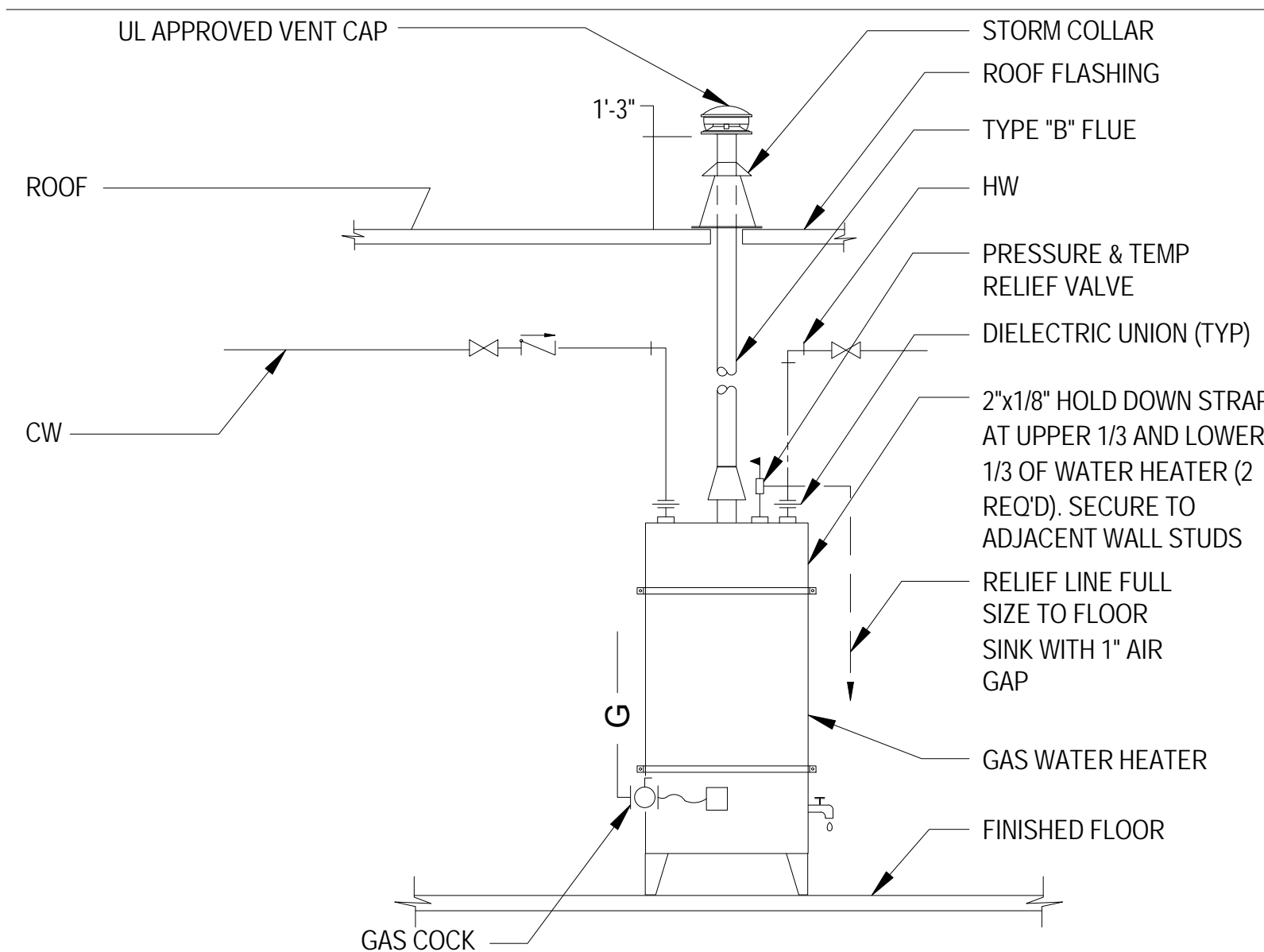
**PLUMBING
 ENLARGED
 PLANS**

SHEET NUMBER:

P401

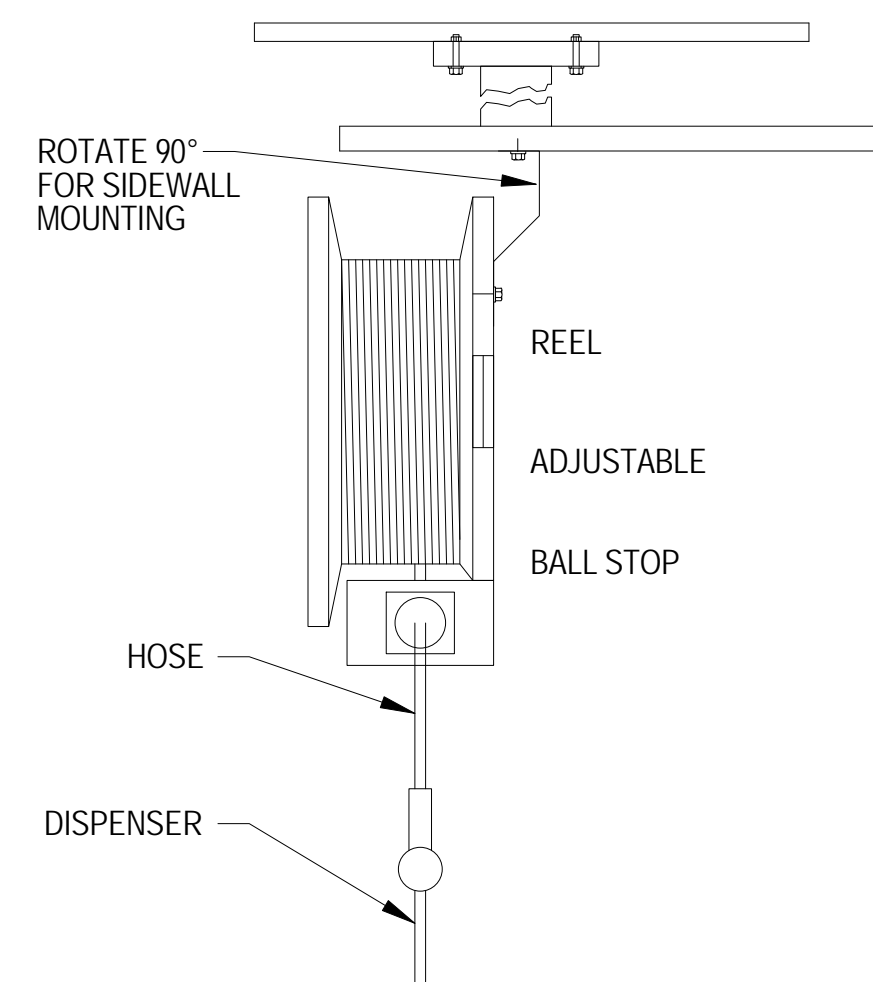


TRAP PRIMER DETAIL



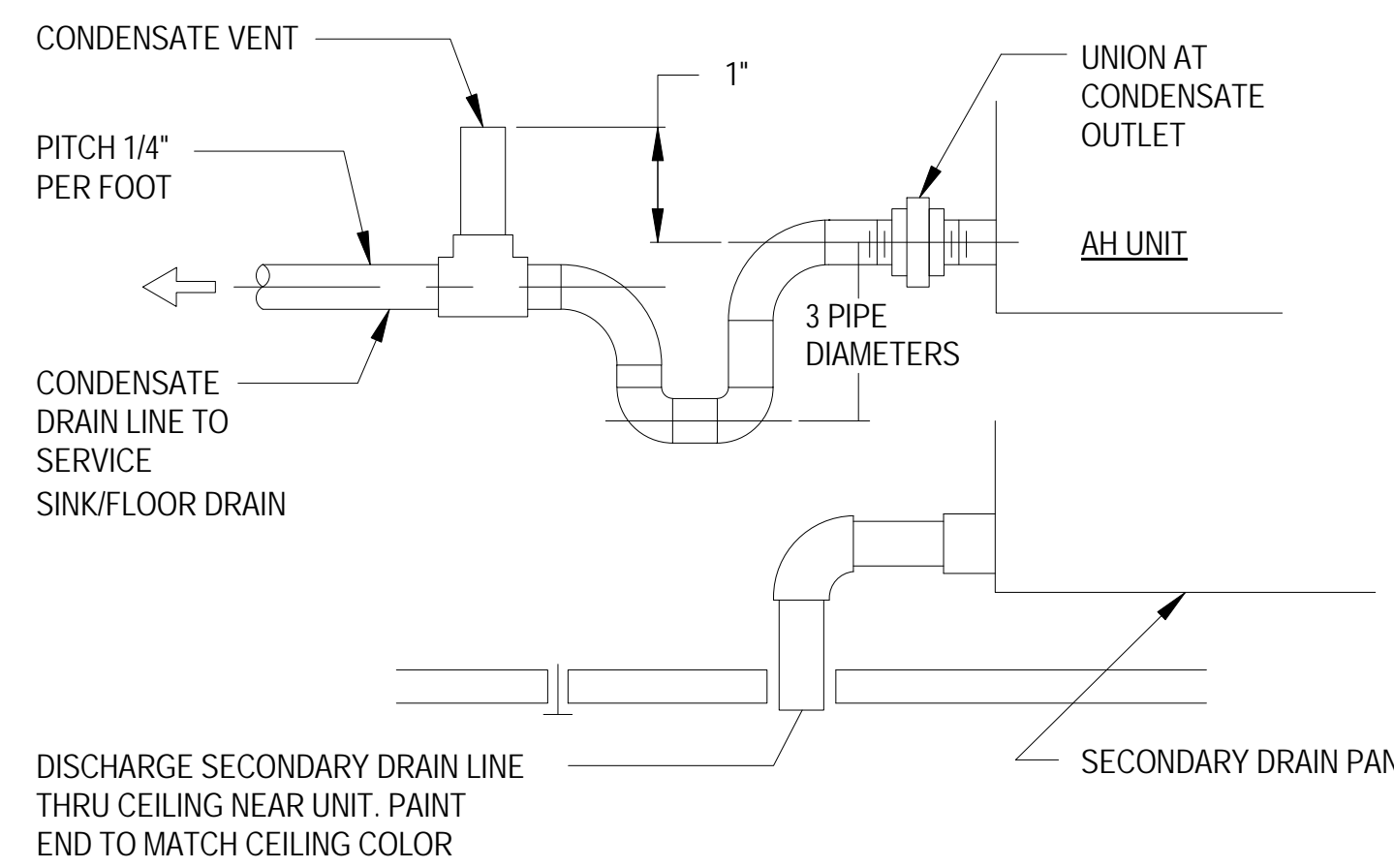
WATER HEATER DETAIL

NO SCALE



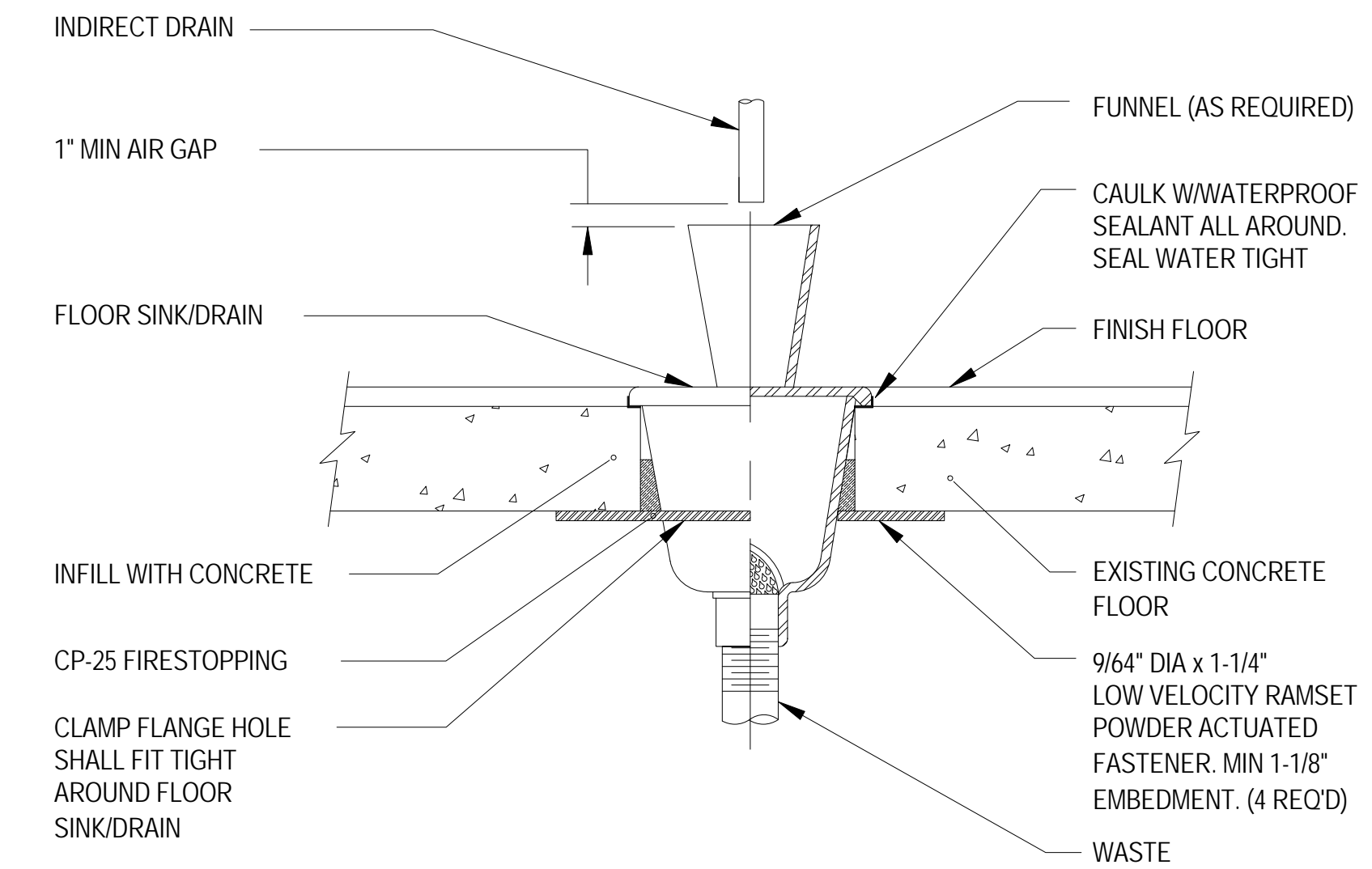
HOSE REEL DETAIL

NO SCALE



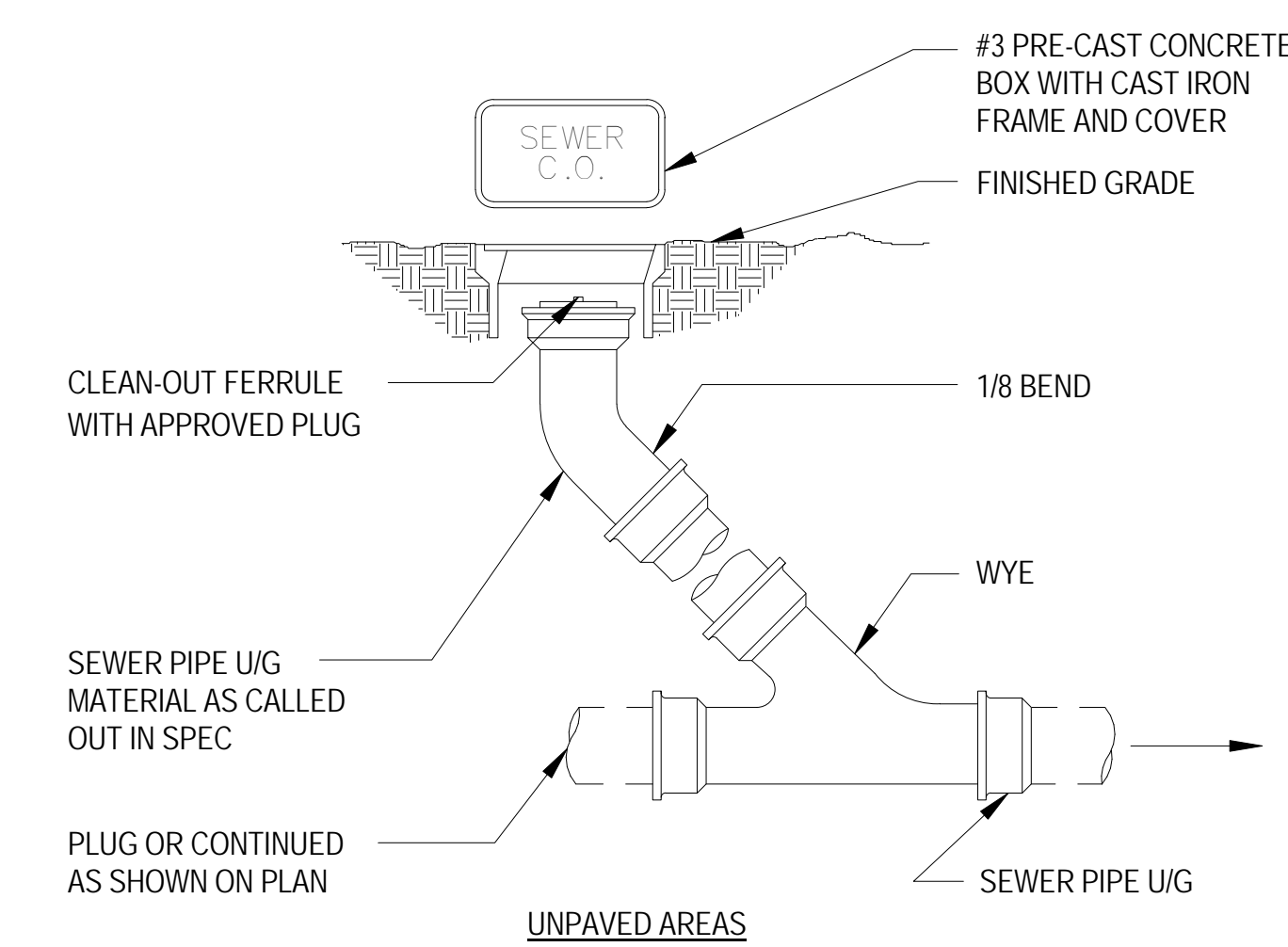
CONDENSATE TRAP DETAIL

NO SCALE



FLOOR SINK/DRAIN DETAIL

NO SCALE

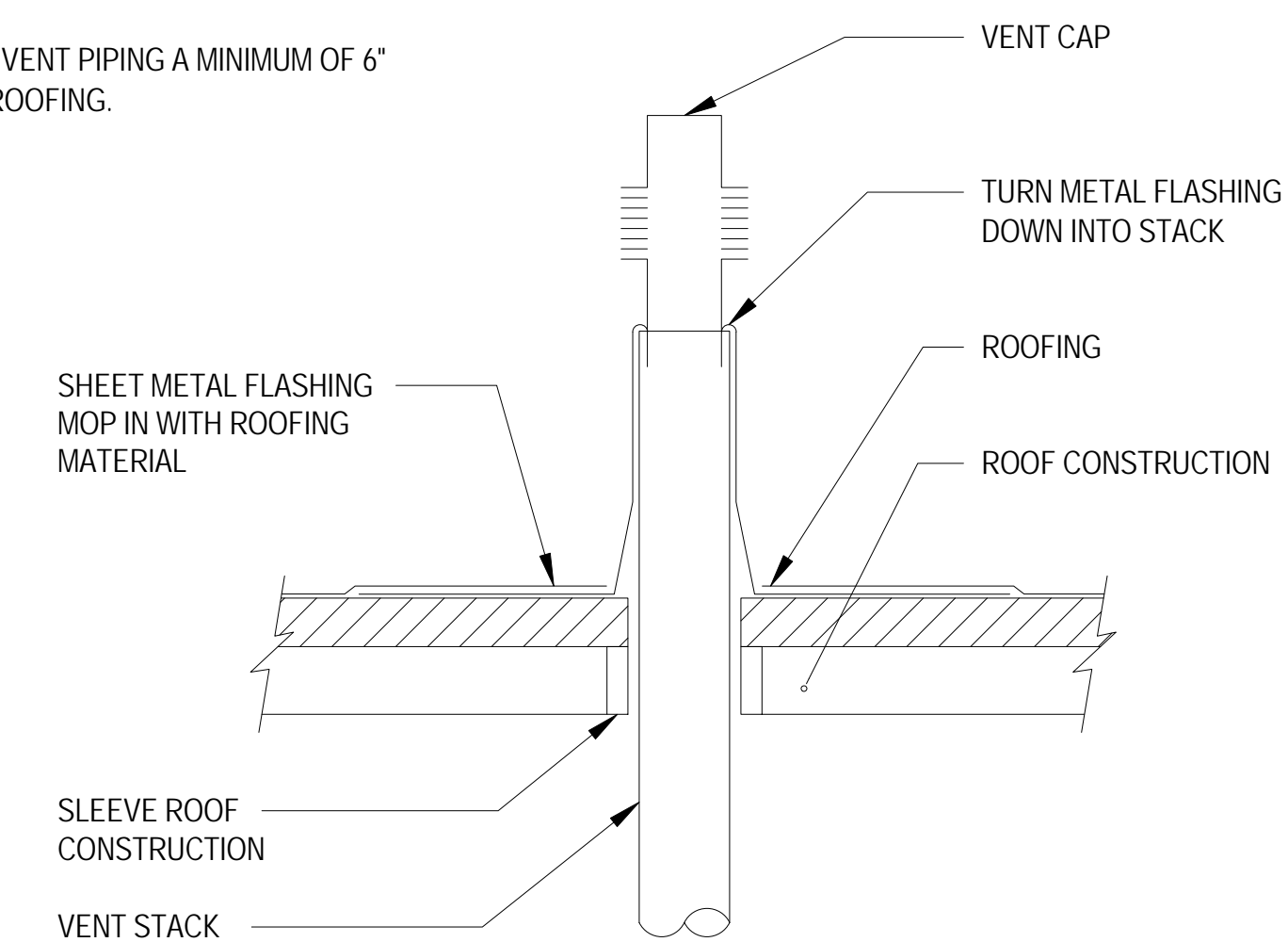


CLEAN-OUT TO GRADE DETAIL

NO SCALE

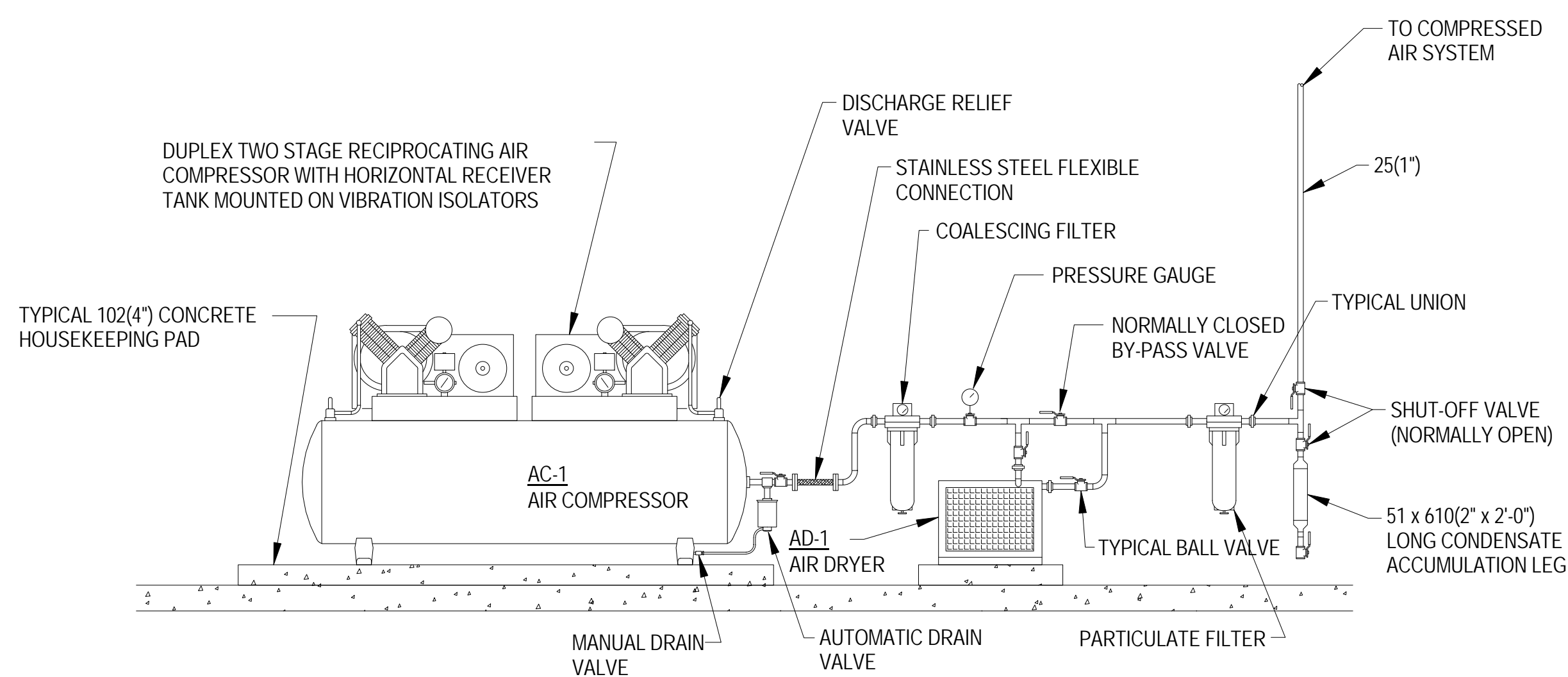
NOTES:

EXTEND VENT PIPING A MINIMUM OF 6" ABOVE ROOFING.



VENT THRU ROOF DETAIL

NO SCALE



AIR COMPRESSOR DETAIL

NO SCALE

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PROFESSIONAL SEAL:



PROJECT DATE:

NO.	DESCRIPTION	DRAWN BY:	DATE	REVISION:

PROJECT NUMBER: **DRAWN BY:**

DRAWING TITLE:
PLUMBING DETAILS

SHEET NUMBER:

P501

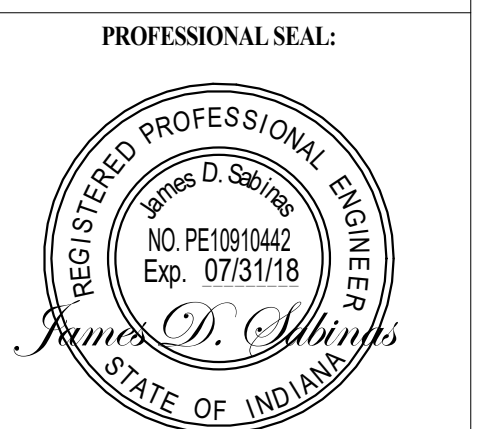


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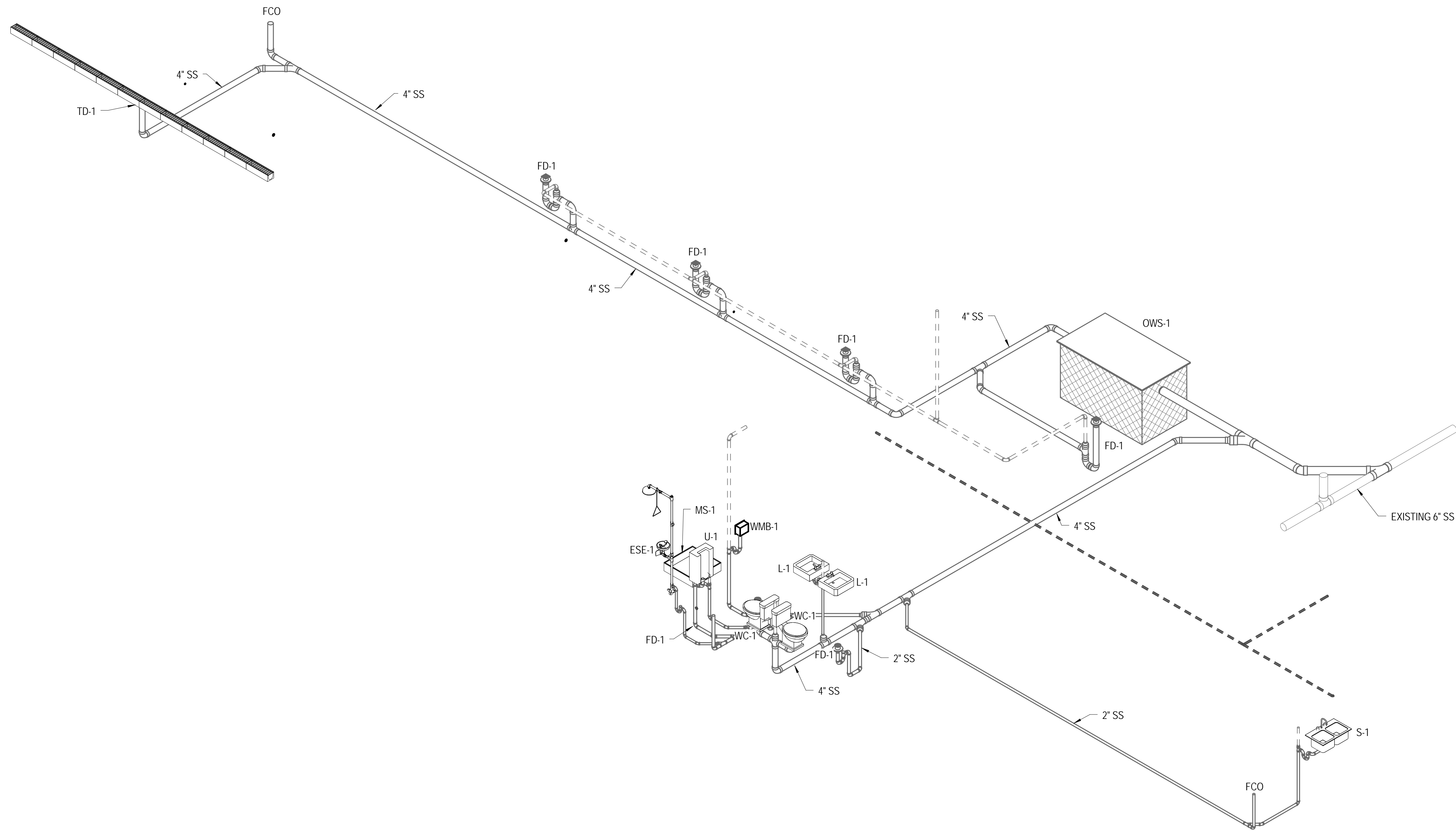
PROJECT DATE:

No.	DESCRIPTION:	DRAWN BY:	DATE ISSUED:

PROJECT NUMBER: **DRAWN BY:**

DRAWING TITLE:
PLUMBING ISOMETRIC DWV

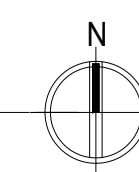
SHEET NUMBER:
P901



1
 P901

PLUMBING ISOMETRIC - DWV

SCALE: NO SCALE





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PROJECT TITLE:
AUTO EXPRESS GARAGE ADDITION

2306 VETERANS MEMORIAL PARKWAY SOUTH
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PROJECT DATE:

NO.	DESCRIPTION:	DRAWN BY:	DATE ISSUED:

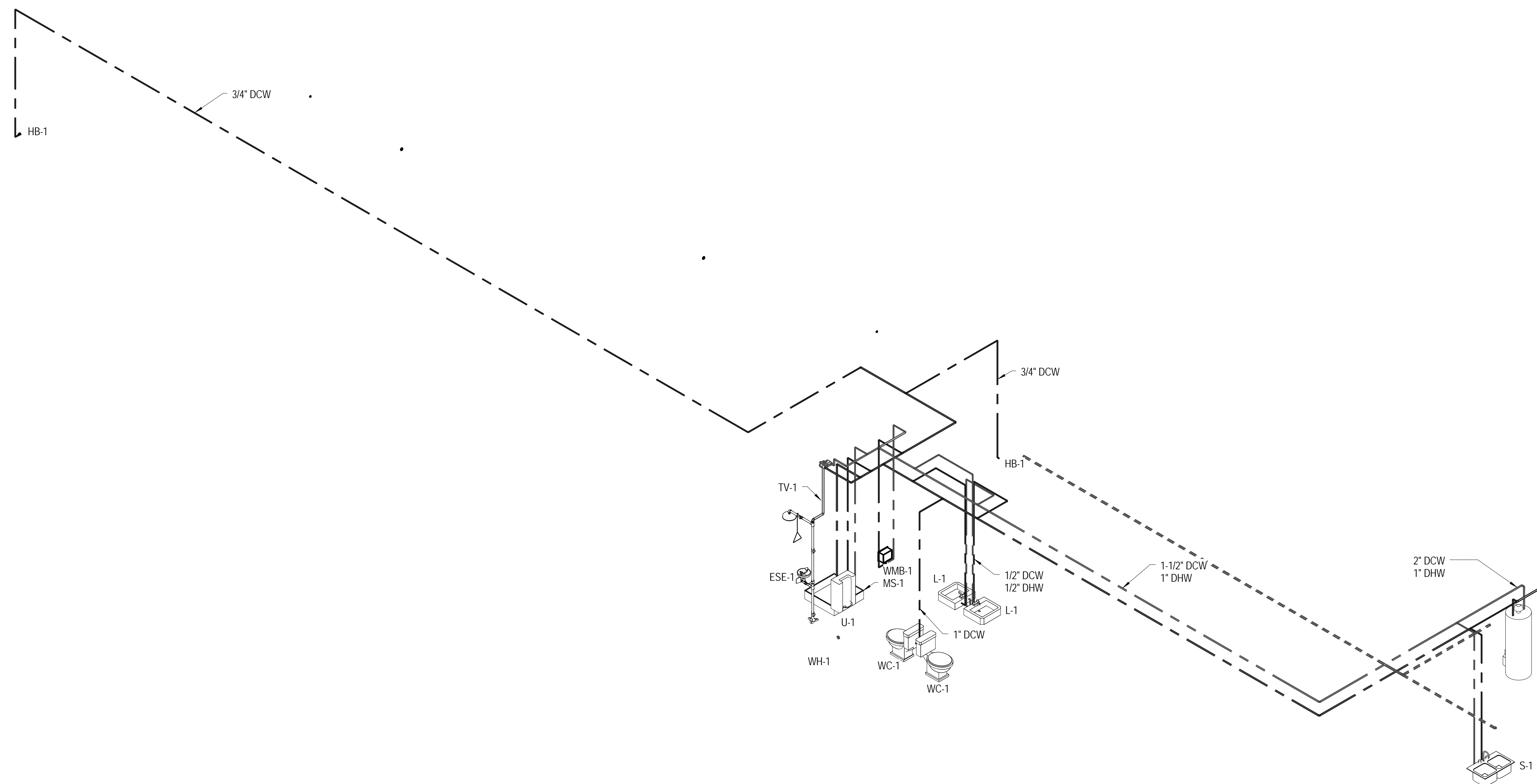
PROJECT NUMBER: **DRAWN BY:**

DRAWING TITLE:

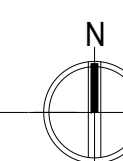
**PLUMBING
 ISOMETRIC
 WATER**

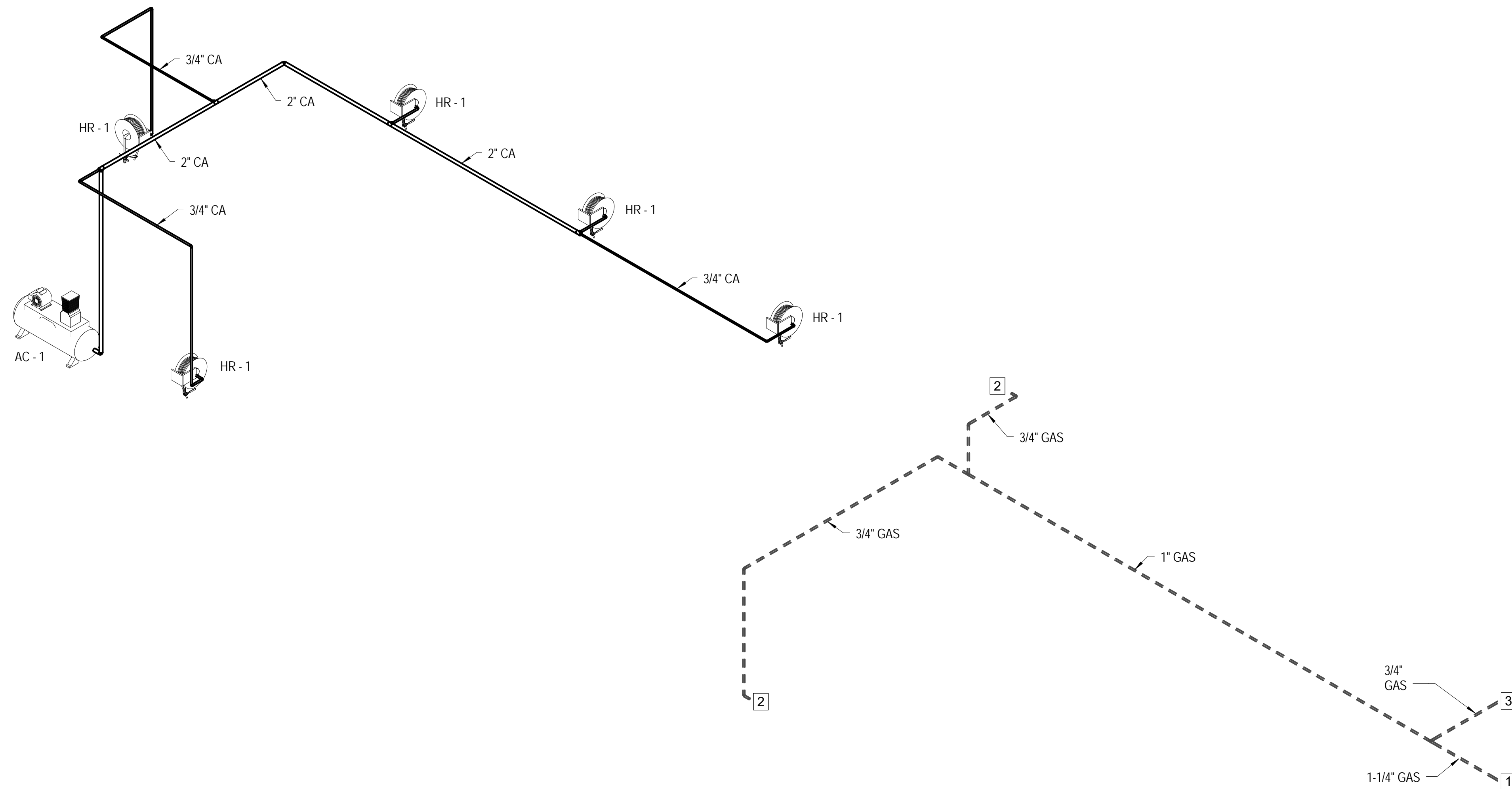
SHEET NUMBER:

P902



1
P902
PLUMBING ISOMETRIC - WATER
 SCALE: NO SCALE





KEY NOTES:

- 1 GAS TO EXISTING.
- 2 GAS TO MECHANICAL UNIT, SEE MECHANICAL PLANS.
- 3 GAS TO WATER HEATER.

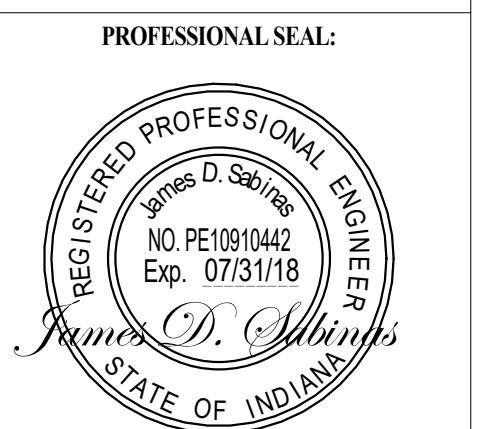


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PROJECT DATE:

No.	DESCRIPTION:	DRAWN BY:	DATE ISSUED:

PROJECT NUMBER: DRAWN BY:

DRAWING TITLE:
PLUMBING ISOMETRIC COMPRESSED AIR GAS

SHEET NUMBER:
P903

