ST. TAMMANY FEDERAL CREDIT UNION

LIFE-SAFETY INFORMATION

APPLICABLE CODES
NFPA 101 LIFE-SAFETY CODE 2015

OCCUPANCY TYPE(S) AND CHAPTER(S)
BUSINESS (CHAPTER 38)

MULTIPLE, MIXED, OR SEPARATE OCCUPANCY — *(REFERENCE CHAPTER 6)*
N/A

OCCUPANT LOAD FACTOR — *(REFERENCE TABLE 7.3.1.2)*
1,060 SF / 100 SF PER OCCUPANT = 12 OCCUPANTS

CLASSIFICATION OF HAZARD OF CONTENTS
(REFERENCE: OCCUPANCY CHAPTER AND 6.2.2: SPECIFY LOW, ORDINARY, OR HIGH)

CONSTRUCTION TYPE(S) *(REFERENCE: CHAPTER8, TABLE A.8.2.1.2 AND COMMENTARY TABLE 8.1 IN HANDBOOK)*
V B

MINIMUM EXIT SEPARATION DISTANCE FOR REMOTELY LOCATED EXITS
(REFERENCE: SECTION 7.5; SPECIFY 1/2 OR 1/3 DIAGONAL DISTANCE OF AREA SERVED)
1/3 DIAGONAL = 24'-10

MAXIMUM DEAD-END CORRIDORS — *(REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)*
50'

MAXIMUM COMMON PATH OF TRAVEL DISTANCE — *(REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)*
100'

MAXIMUM TRAVEL DISTANCE TO EXITS — *(REFERENCE: OCCUPANCY CHAPTER AND TABLE A.7.6)*
300'

*MAIN ENTRANCE MUST BE SIGNED TO ACCOMODATE 1/2 OCCUPANT LOAD OF BUILDING

EXTINGUISHMENT REQUIREMENTS	NOT SPRINKLED
DETECTION, ALARM, AND COMMUNICATION SYSTEMS	NO
ALLOWABLE HEIGHT AND BUILDING AREA	PER IBC EQUIVALENT CONSTRUCTION TYPE

BUILDING CODE INFORMATION

APPLICABLE CODES
IBC 2015

BUSINESS GROUP B — *(IBC 2012 CHAPTER 13)*

OCCUPANT LOAD CALCULATIONS — (TABLE 1004.1.1)

BUSINESS =	1,060 SQ FT	100 SF PER OCCUPANT (GROSS)	12 OCCUPANTS

CONSTRUCTION TYPE(S) — *(TABLE 504)*
VB *(SECTION 504)*

ALOWABLE HEIGHT AND BUILDING AREA LIMITED BY TYPE OF CONSTRUCTION

MAXIMUM HEIGHT IN STORIES *(SECTION 504.4)*	2
MAXIMUM AREA IN SQUARE FEET *(SECTION 503, 506 & 507, TABLE 503)*	9,000

WIND SPEED DESIGN REQUIREMENTS

THIS BUILDING SHALL BE DESIGNED WITH IBC SEC 1609 AS A FULLY ENCLOSED BLDG USING THE FOLLOWING INFORMATION:

WIND DESIGN DATA:

DETERMINATION OF WIND LOADS SHALL BE IN ACCORDANCE WITH IBC SEC 1609.3 (1), (2), OR (3) DEPENDING ON THE RISK CATEGORY

WIND SPEED Vult (3 SECOND GUST) =		131 MPH (IBC FIG 1609.3(1))	
NOMINAL DESIGN WIND SPEED Vasd =		102 MPH (Vult x $(0.6)^{\frac{1}{2}}$)	
RISK CATEGORY:	CATEGORY II BLDG	SURFACE ROUGHNESS =	B
TOPOGRAPHIC FACTOR =	1	EXPOSURE =	B
DESIGN WIND PRESSURE (ASCE 7-10 TABLE 28.6-1):		37.7 PSF	
INTERNAL PRESSURE COEFFICIENT (ASCE 7-10 TABLE 26.11-1):		± 0.18	

LIVE LOADS (IBC SEC 1607)

OFFICE LOBBIES & CORRIDORS 1ST FLOOR (IBC TABLE 1607.1):	100 PSF
OFFICES (IBC TABLE 1607.1):	50 PSF
ROOF LIVE LOADS (IBC TABLE 1607.1):	20 PSF UNIFORM, 300 LB CONCENTRATED

SNOW LOADS (IBC SEC 1608):

GROUND SNOW LOAD (IBC FIG 1608.2):	5 PSF

FLOOD ZONE INFORMATION

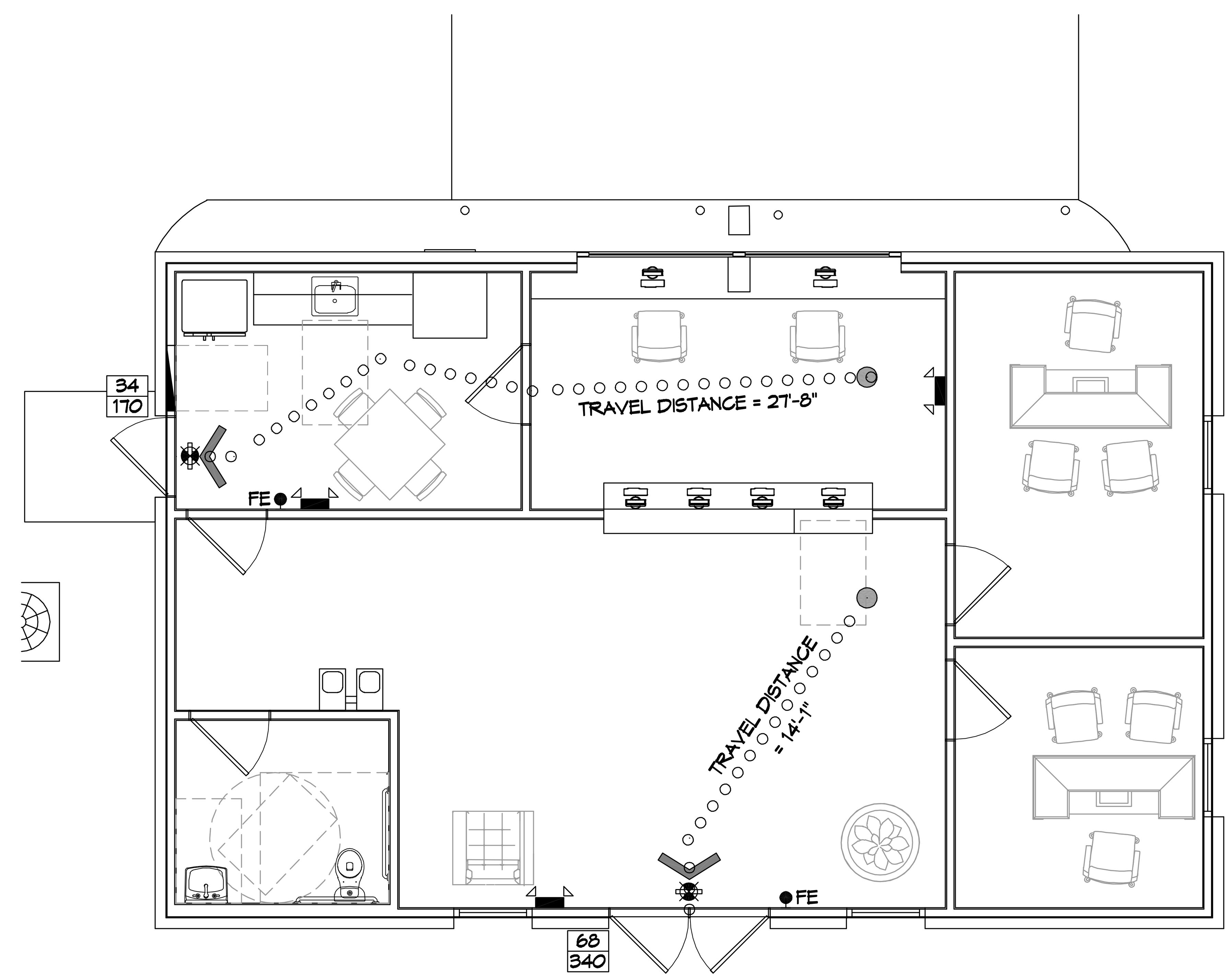
BASED ON THE SURVEY OF THIS PROPERTY BY LESTER MARTIN THIS PROPERTY IS IN FLOOD "C"

FIRM, COMMUNITY NO. 2252050245 C dated 10-17-1989

FLOOD ZONE:	C	BASE FLOOD ELEVATION	N/A

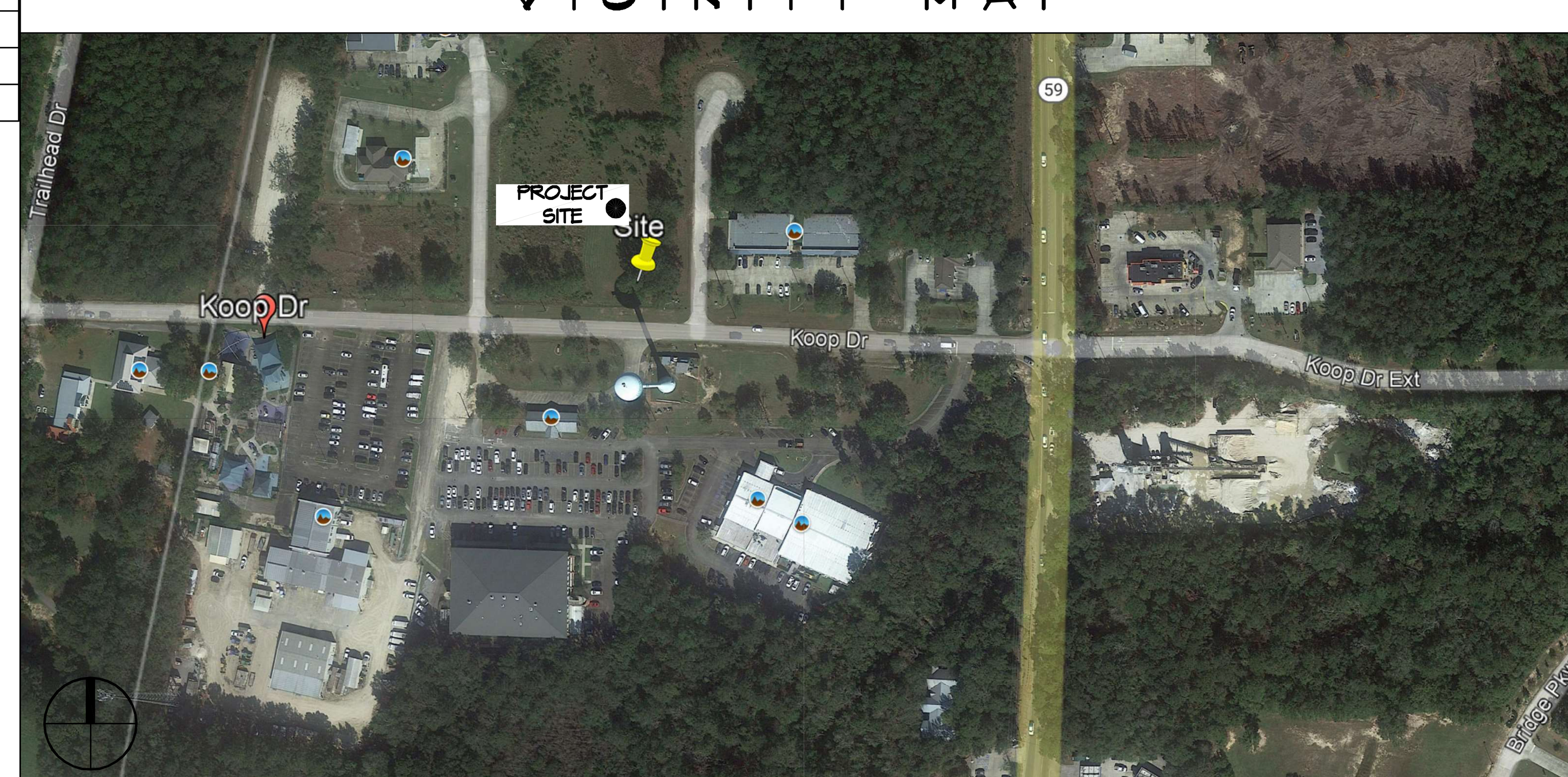
LIFE-SAFETY LEGEND

SYMBOL	DESCRIPTION
〉	EXITS
(45)	DOOR FIRE RATING (MINUTES)
36/170	DOOR WIDTH/EGRESS CAPACITY
⊠	EXIT LIGHT
● FE	FIRE EXTINGUISHER W/ WALL MTD BRACKET
———	COMMON PATH OF TRAVEL
○○○○○○○○○	TRAVEL DISTANCE
●	DECISION POINT



LIFE-SAFETY PLAN
SCALE: 1/4" = 1'-0"

VICINITY MAP



SHEET INDEX

GENERAL NOTES

1. ALL MATERIALS AND WORK, INCIDENTAL TO THE CONSTRUCTION OF THIS PROJECT, SHALL CONFORM TO ALL GOVERNING CODES, AND REGULATIONS OF AGENCIES IN AUTHORITY.
2. CONTRACTOR SHALL PROVIDE ALL PUBLIC PROTECTIONS NECESSARY AS REQUIRED BY LAW.
3. THE DRAWINGS AND ANY SUBSEQUENTLY ISSUED ADDENDA, AMENDMENTS OR SUCH CHANGE ORDERS APPROVED BY THE OWNER AND THE CONTRACTOR ARE PART OF THESE CONTRACT DOCUMENTS.
4. **DO NOT SCALE DRAWINGS.** CONSULT WITH THE ENGINEER REGARDING ANY ITEMS IN THE CONTRACT DOCUMENTS THAT REQUIRE CLARIFICATION.
6. TRASH SHALL BE REMOVED FROM THE SITE NOT LESS THAN TWICE MONTHLY.
7. THE GENERAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK AND REPORT ANY AND ALL DISCREPANCIES TO THE ARCHITECT.
8. CONTRACTOR VEHICLES AND EQUIPMENT NECESSARY FOR CONSTRUCTION MAY BE PARKED ON THE SITE. OTHER VEHICLES PARKED ON THE SITE REQUIRE THE OWNER'S PERMISSION.
9. ALL MATERIALS/EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. WORK NOT CONSISTENT WITH MANUFACTURER'S RECOMMENDATIONS WILL BE REJECTED BY OWNER/ARCHITECT.

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#	DESCRIPTION	DATE
	REVISIONS	

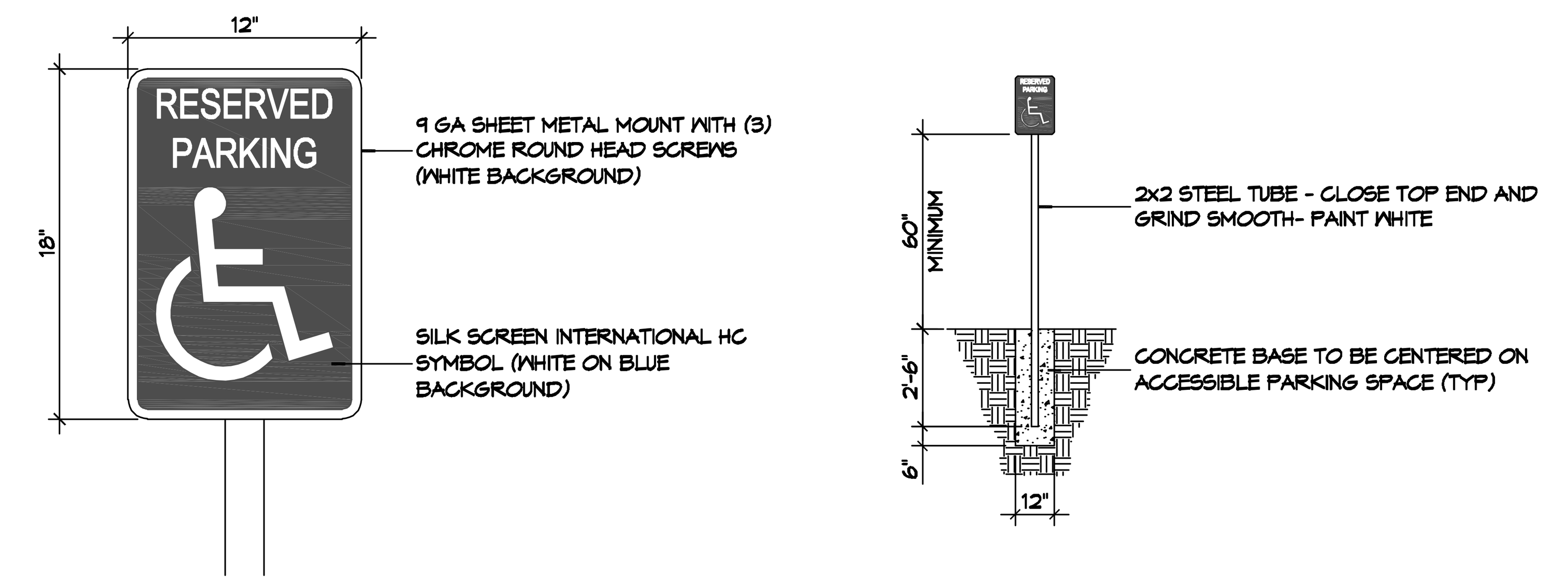
SEAL:

NEW OFFICE BUILDING
ST. TAMMANY FEDERAL CREDIT UNION
21469 KOOP DRIVE
MANDEVILLE, LA.

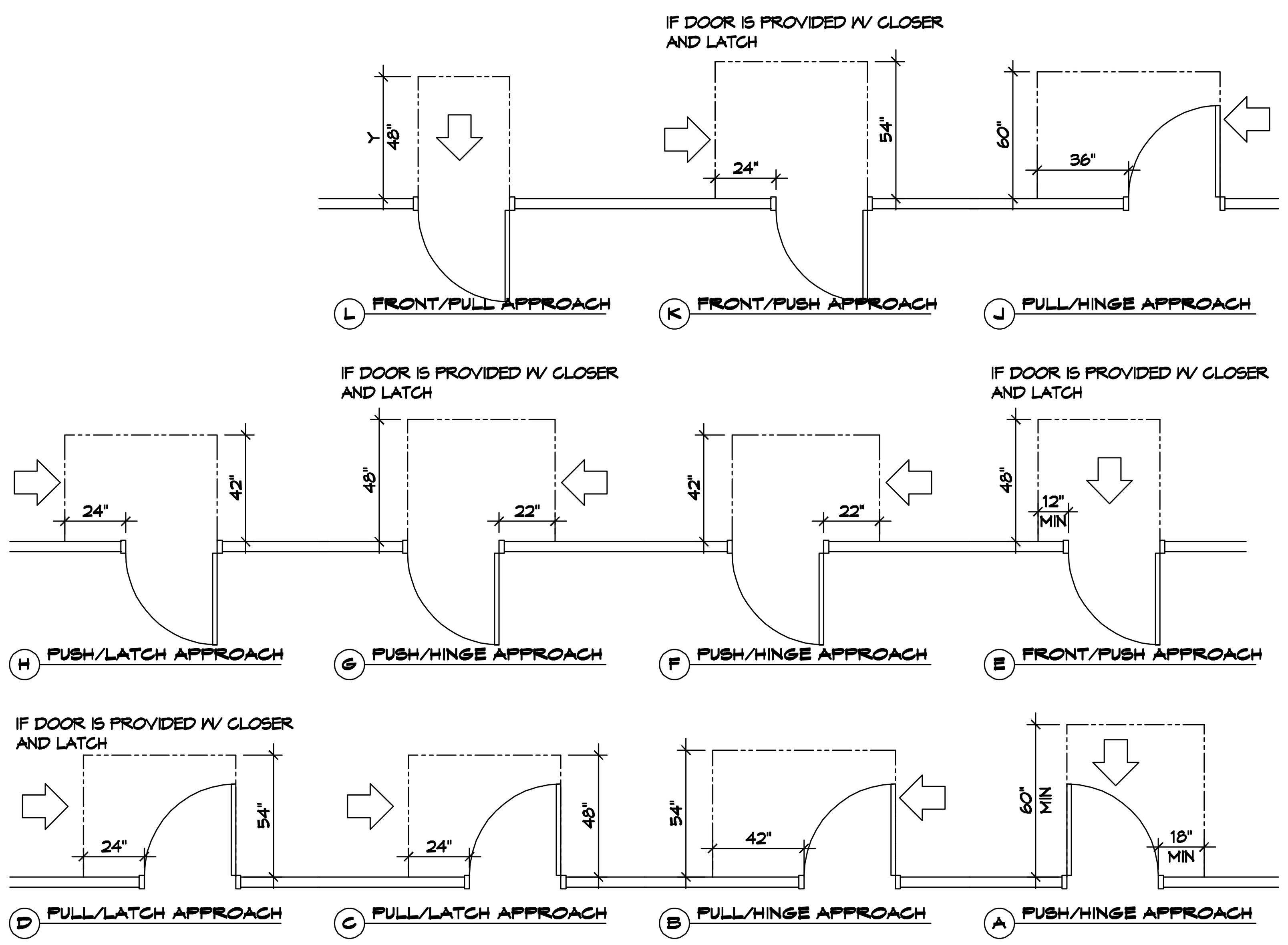
JOB No:	2022	DATE:	04-28-2022
DRAWN BY:	CKD	CHECKED BY:	JMS

SHEET TITLE:
GENERAL INFORMATION SHEET

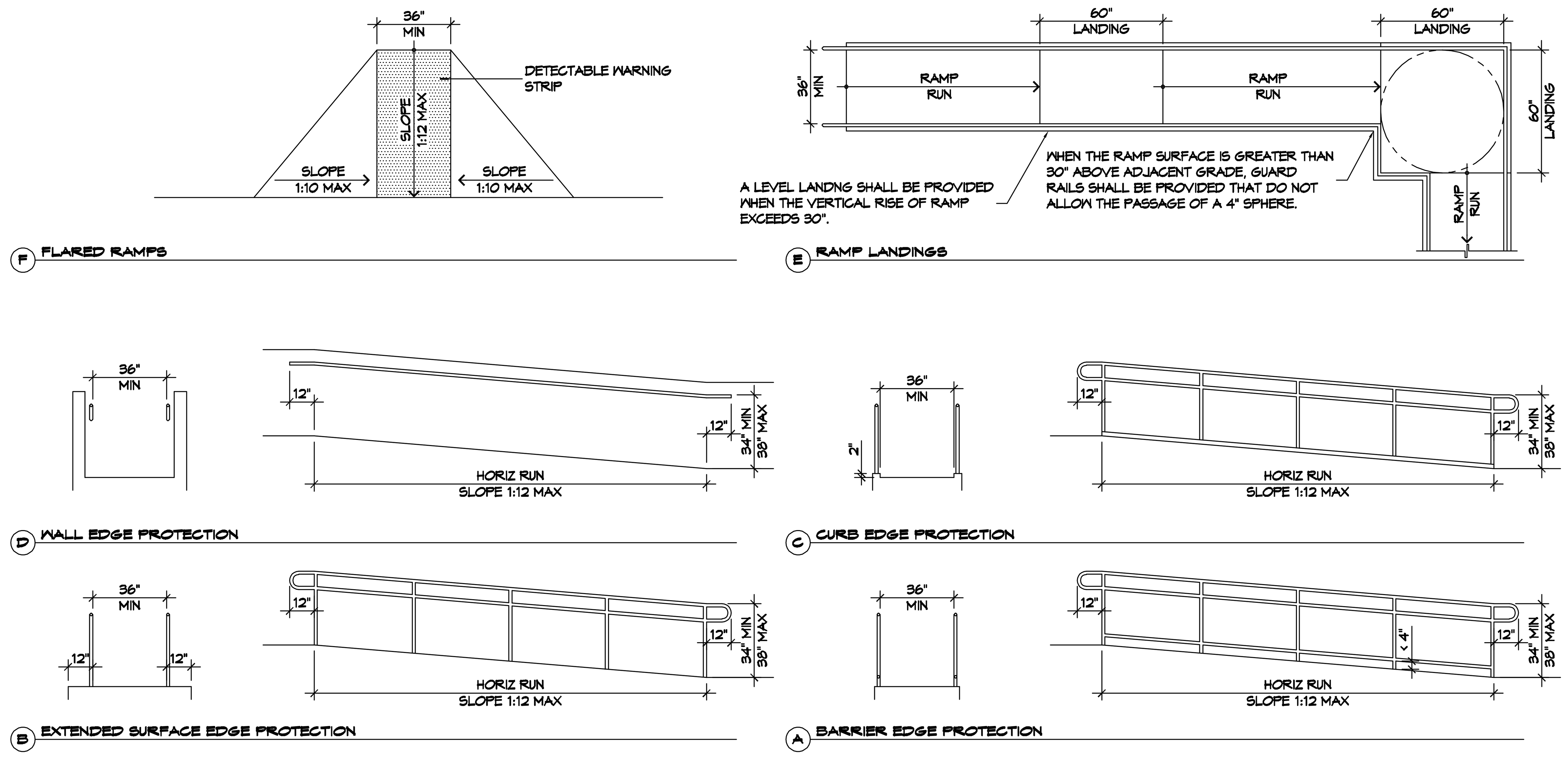
DRAWING NUMBER:
G101



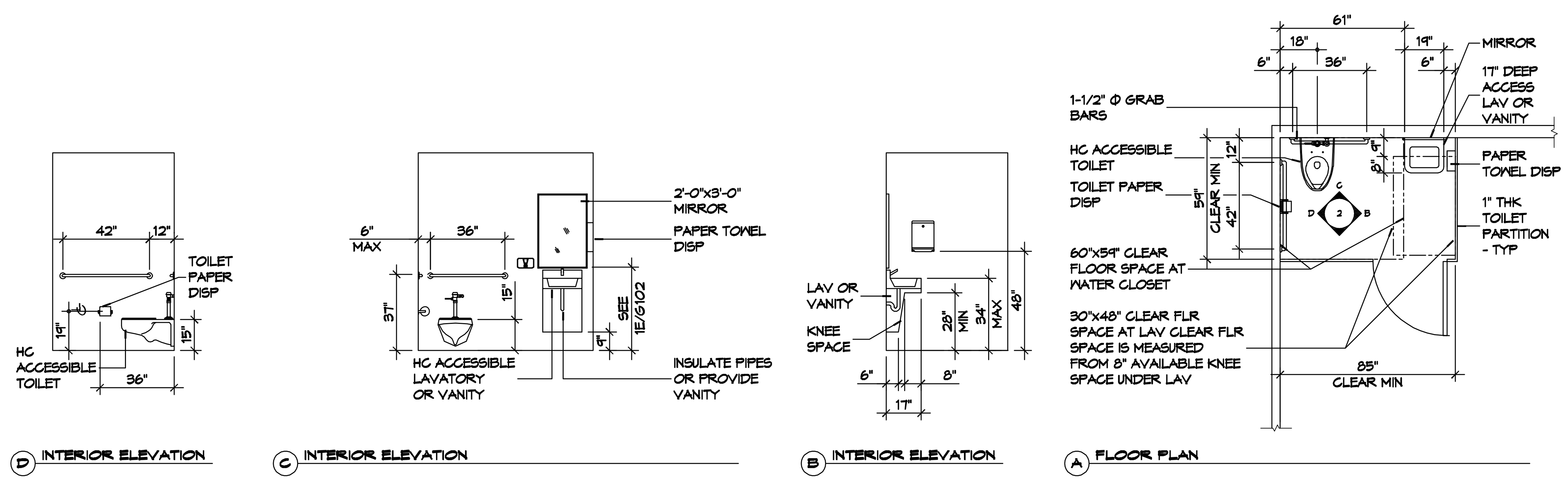
5 ACCESSIBLE SIGN
SCALE: NTS



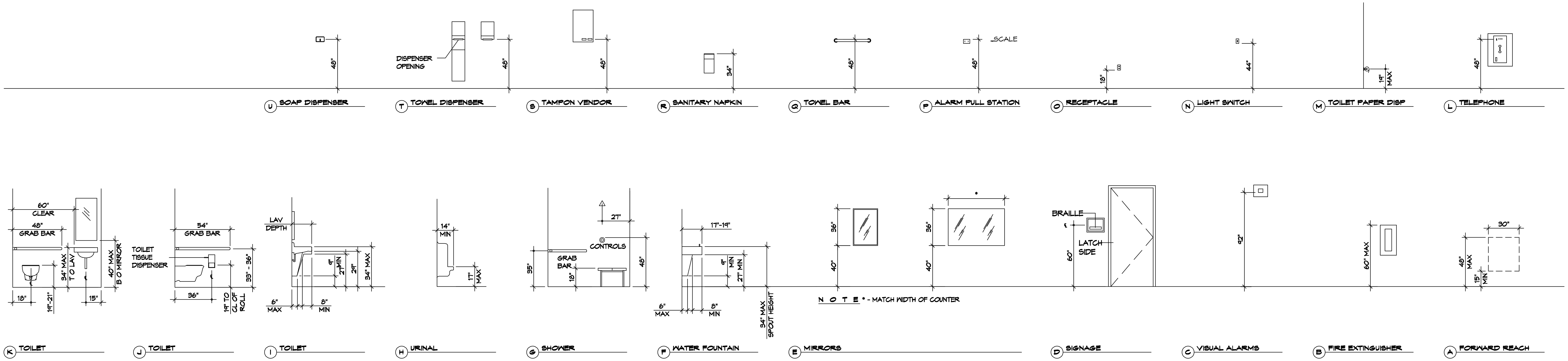
3 ADA DOOR CLEARANCES
SCALE: 1/4" = 1'-0"



4 ACCESSABLE RAMPS
SCALE: 1/4" = 1'-0"



2 RESTROOM CLEARANCES
SCALE: 1/4" = 1'-0"



1 MOUNTING HEIGHTS
SCALE: 1/4" = 1'-0"

ACCESSIBILITY NOTES

DOOR CLEARANCE NOTES

ALCOVES SHALL COMPLY WITH THE CLEARANCES FOR FRONT APPROACHES. 3I/G102 - 3K/G102.

DOOR HARDWARE SHALL BE LEVER TYPE.

MAX DOOR OPENING FORCE:

- INTERIOR HINGED DOORS: 5 LBF
- EXTERIOR HINGED DOORS: 8.5 LBF
- SLIDING OR FOLDING DOORS: 5 LBF
- FIRE DOORS SHALL HAVE THE MINIMUM OPENING FORCE ALLOWABLE BY THE APPROPRIATE ADMINISTRATIVE AUTHORITY.

HARDWARE REQUIRED FOR ACCESSIBLE DOOR PASSAGE SHALL BE MOUNTED NO HIGHER THAN 48" AND NOT LESS THAN 34" ABOVE FINISHED FLOOR.

THE FLOOR OR GROUND AREA WITHIN THE REQUIRED CLEARANCES SHALL BE LEVEL AND CLEAR.

THRESHOLDS AT DOORWAYS SHALL NOT EXCEED 3/4" IN HEIGHT FOR EXTERIOR SLIDING DOORS OR 1/2" FOR OTHER TYPES OF DOORS. RAISED THRESHOLDS AND FLOOR LEVEL CHANGES AT ACCESSIBLE DOORWAYS SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.

DOORWAYS SHALL HAVE A MINIMUM CLEAR OPENING OF 32" WITH THE DOOR OPEN 90°, MEASURED BETWEEN THE FACE OF THE DOOR AND THE OPPOSITE STOP. OPENINGS MORE THAN 24" IN DEPTH SHALL MAINTAIN 32" MIN CLEARANCE.

RAMP NOTES

THE CLEAR SPACE BETWEEN THE HANDRAIL AND THE WALL SHALL BE MIN 1-1/2" CLEAR.

GRIPPING SURFACES SHALL BE CONTINUOUS AND UNOBSTRUCTED..

ENDS OF HANDRAILS SHALL BE EITHER ROUNDED OR RETURNED SMOOTHLY TO FLOOR, WALL, OR POST.

HANDRAILS SHALL NOT ROTATE WITHIN THEIR FITTINGS.

THE CROSS SLOPE OF RAMP SURFACES SHALL BE NO GREATER THAN 1:50.

OUTDOOR RAMPS AND THEIR APPROACHES SHALL BE DESIGNED SO THAT WATER WILL NOT ACCUMULATE ON WALKING SURFACES.

RAMPS AND LANDINGS WITH DROP-OFFS SHALL HAVE CURBS, WALLS, RAILINGS, OR PROJECTING SURFACES THAT PREVENT PEOPLE FROM SLIPPING OFF THE RAMP. CURBS SHALL BE A MINIMUM OF 2" HIGH.

HANDRAILS SHALL BE PROVIDED ALONG BOTH SIDES OF RAMP SEGMENTS. THE INSIDE HANDRAIL ON SWITCHBACK OR DOGLEG RAMPS SHALL ALWAYS BE CONTINUOUS.

RAMP LANDINGS SHALL BE AT LEAST AS WIDE AS THE RAMP RUN LEADING TO IT.

GENERAL SITE ACCESSIBILITY NOTES

1. ACCESSIBILITY SIGNAGE SHALL COMPLY WITH ADAAG 2010 GUIDELINES SECTION 703.7.
2. SEE SHEET G003 FOR ACCESSIBLE RAMP AND HANDRAIL DESIGNS WHERE THEY OCCUR.
3. ALL ACCESSIBLE PARKING SPACES AND AISLES THAT SERVE THEM SHALL COMPLY WITH ADAAG 2010 GUIDELINES SECTIONS 502.4 AND 502.5.
4. OPENINGS IN GROUND SURFACES SHALL COMPLY WITH ADAAG 2010 GUIDELINES SECTION 302.3.
5. VERTICAL CHANGES IN ELEVATION ALONG ALL ACCESSIBLE ROUTES SHALL COMPLY WITH ADAAG 2010 GUIDELINES SECTIONS 303.2, 303.3, AND 303.4.
6. PARKING SPACES DESIGNATED AS ACCESSIBLE SHALL INCLUDE THE INTERNATIONAL SYMBOL OF ACCESSIBILITY COMPLYING WITH ADAAG 2010 GUIDELINES SECTIONS 703.7.2.1 AND 502.6.
7. ALL ACCESSIBLE PARKING SPACES AND ROUTES SERVING THEM SHALL HAVE A ROUGH, SLIP-RESISTANT SURFACE OR LIGHT BROOM FINISH IN COMPLIANCE WITH ADAAG 2010 GUIDELINES SECTION 302.1.

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#	DESCRIPTION	DATE

REVISIONS

SEAL:

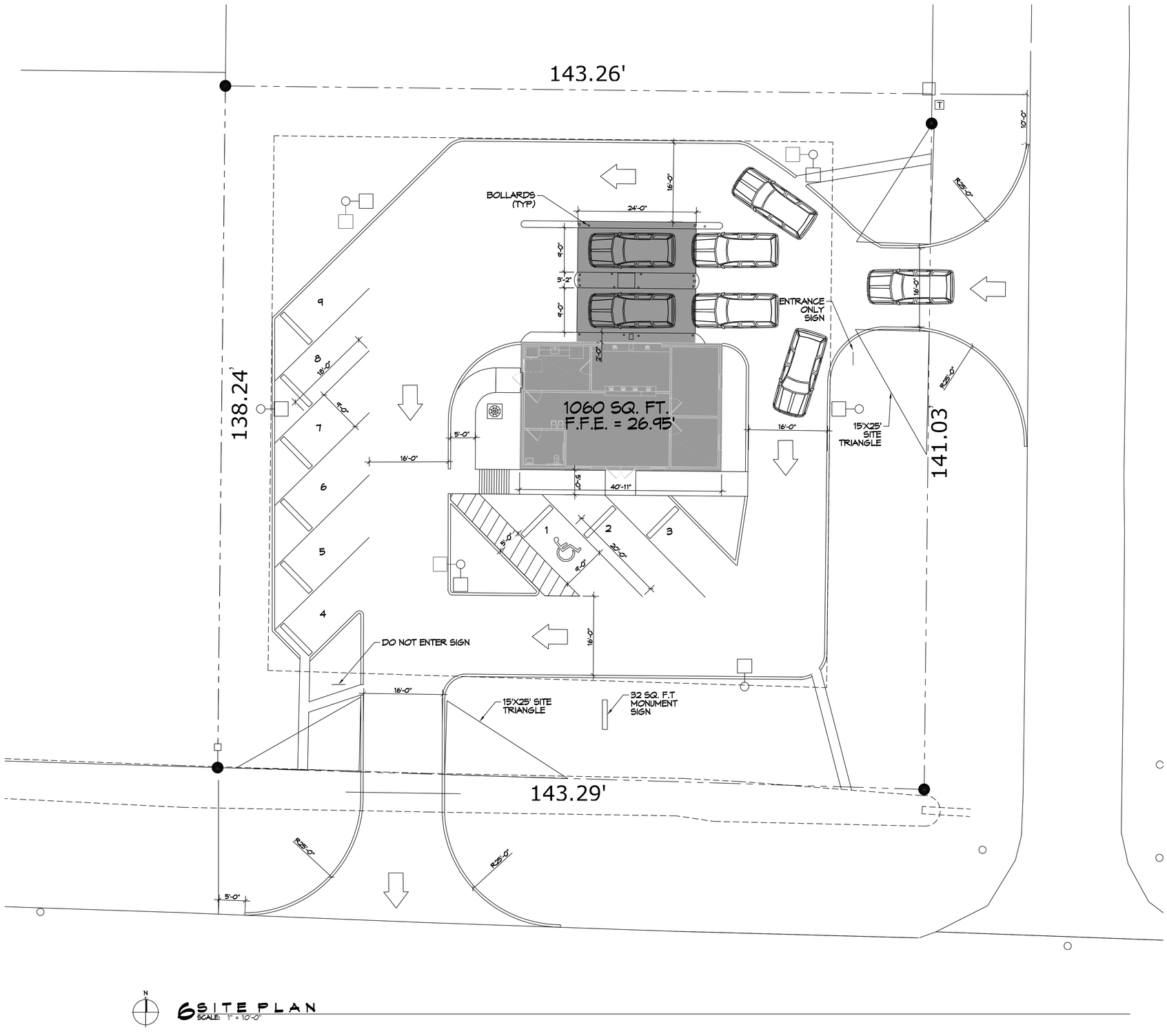
NEW OFFICE BUILDING
ST. TAMMANY FEDERAL CREDIT UNION
21469 KOOP DRIVE
MANDEVILLE, LA

JOB No:	2022	DATE:	04-28-2022
DRAWN BY:	CKD	CHECKED BY:	JMS

SHEET TITLE:
ACCESSIBILITY INFORMATION

DRAWING NUMBER:

G102



N

6 SITE PLAN
SCALE: 1" = 10'-0"

PLANNING
ZONED HC COMMERCIAL DISTRICT

FLOOD ZONE
ZONE "C"

BUILDING ELEVATION
BASE FLOOD ELEVATION "X" = N/A
FINISHED FLOOR ELEVATION = 26.95'

PARKING
1 SPACE PER EACH 350 SQ. FT. OF GROSS FLOOR AREA EXCLUDING STORAGE AREAS WHICH SHALL NOT EXCEED 15 PERCENT OF THE GROSS SQUARE FOOTAGE PLUS RESERVOIR SPACE AS DETERMINED BY DEPARTMENT OF PLANNING AND DEVELOPMENT
3 = REQUIRED / 9 = PROVIDED

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NEW OFFICE BUILDING
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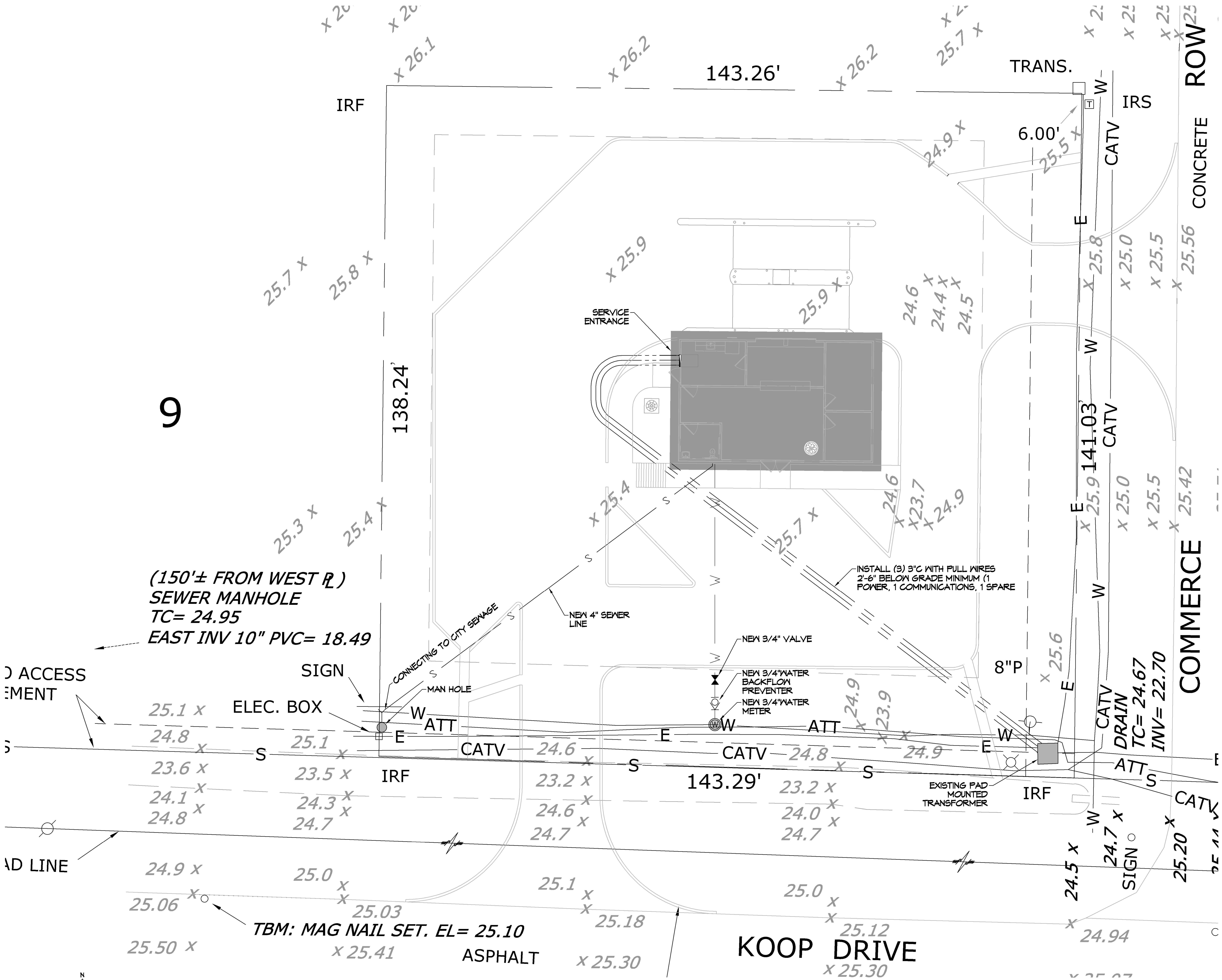
21465 KOOP DRIVE
MANDEVILLE, LA.

JOB No:	2022	DATE:	04-28-2022
DRAWN BY:	CKD	CHECKED BY:	JMS

SHEET TITLE:
SITE PLAN

DRAWING NUMBER:
C101

SHEET No: 3 of 17



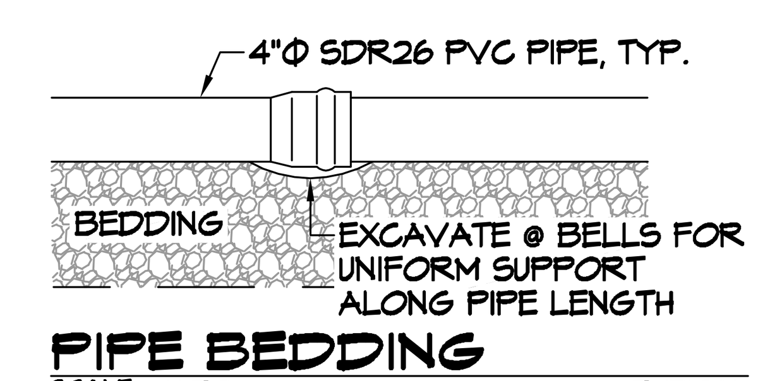
SITE UTILITY PLAN
SCALE: 1" = 10'-0"

GENERAL SITE NOTES

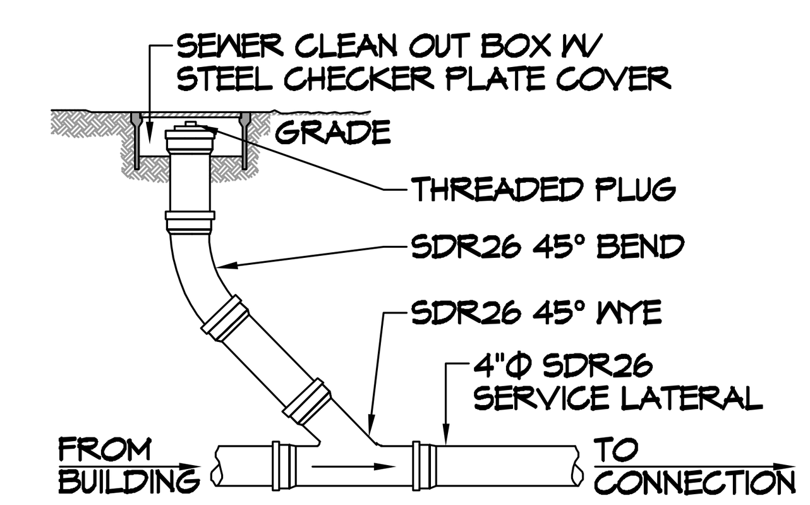
1. PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT FOR A COMPLETE OPERATING SYSTEM. CONTRACTOR IS TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS, ELEVATIONS, AND INVERTS PRIOR TO COMMENCING ANY WORK. CONTRACTOR SHALL PAY NECESSARY FEES FOR THE UTILITIES CONNECTIONS.
2. CONTRACTOR TO BE RESPONSIBLE TO VERIFY ANY INVERTS AND SET NEW INVERTS OF SEWAGE AND DRAINAGE PIPES.
3. ALL WORK AND MATERIAL TO COMPLY STRICTLY TO THE LATEST LOCAL CITY PARISH, STATE, AND NATIONAL GOVERNING CODES.
4. SEWAGE LINES 3" AND SMALLER SHALL BE SLOPED 1/4" PER FOOT AND LINES THAT ARE 4" AND LARGER SHALL BE SLOPED 1/8" PER FOOT.
5. CONTRACTOR SHALL CONTACT LOUISIANA ONE CALL PRIOR TO COMMENCEMENT OF SITE EXCAVATION.

LEGEND

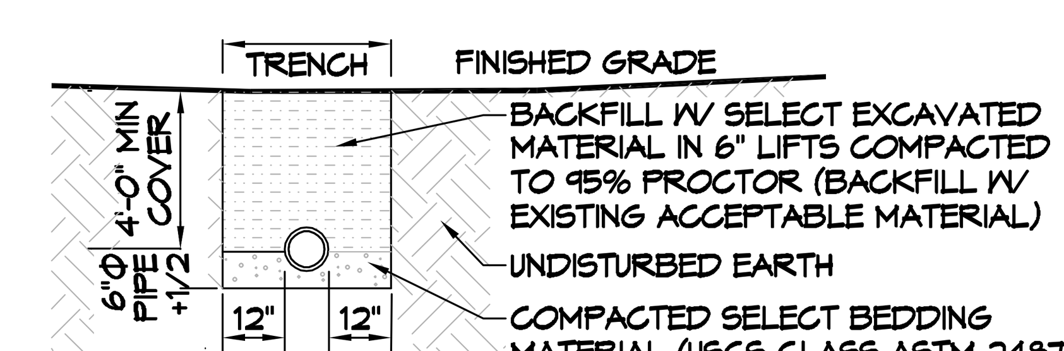
—— W ——	NEW WATER LINE
—— S ——	NEW SEWER LINE
—— – – ——	NEW ELECTRICAL LINE



PIPE BEDDING
SCALE: N.T.S. TYPICAL



SEWER CLEAN OUT
SCALE: N.T.S. TYPICAL



NOTE:
A MIN. SEPARATION OF 5' HORIZONTAL & 18" VERTICAL IS REQUIRED BETWEEN WATER & SEWER LINES. SEWER LINE SHALL BE A MIN. 18" BELOW THE WATER LINE

SEWER & WATER SEPERATION
SCALE: N.T.S. TYPICAL

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REVISIONS

#	DESCRIPTION	DATE
1	REVISED AND APPROVED	04-26-2019

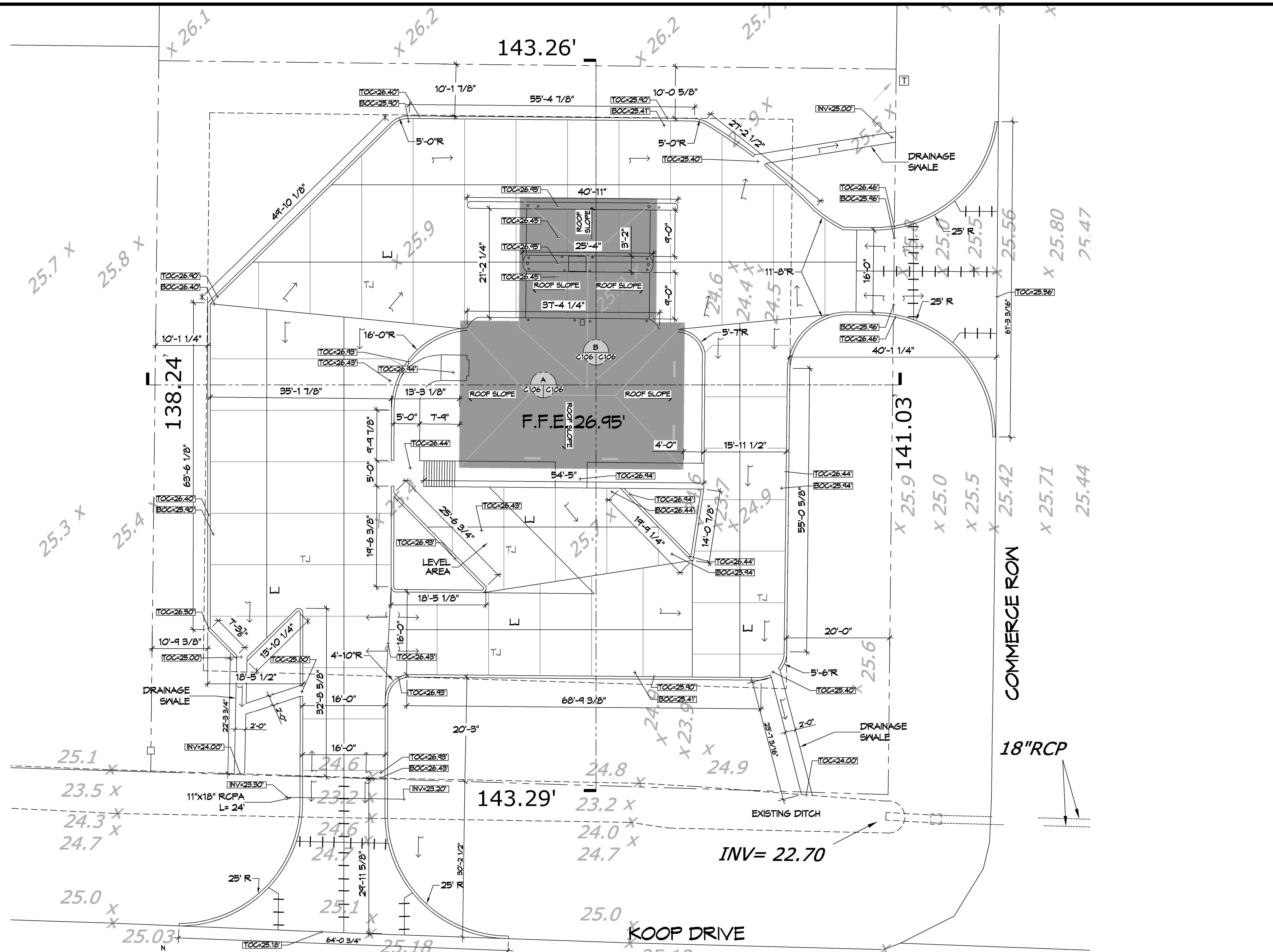
SEAL:
STATE OF LOUISIANA
BRIAN A. MISTICH
License No. 30187
PROFESSIONAL ENGINEER
BAM

NEW OFFICE BUILDING
ST. TAMMANY FEDERAL CREDIT UNION
21469 KOOP DRIVE
MANDEVILLE, LA.

JOB No:	2022	DATE:	04-28-2022
DRAWN BY:	CKD	CHECKED BY:	BAM

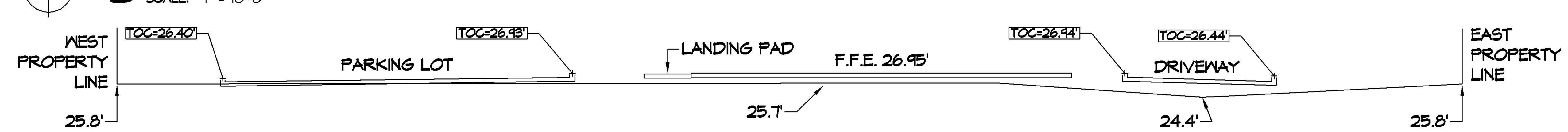
SHEET TITLE:
SITE UTILITY PLAN

DRAWING NUMBER:
C102



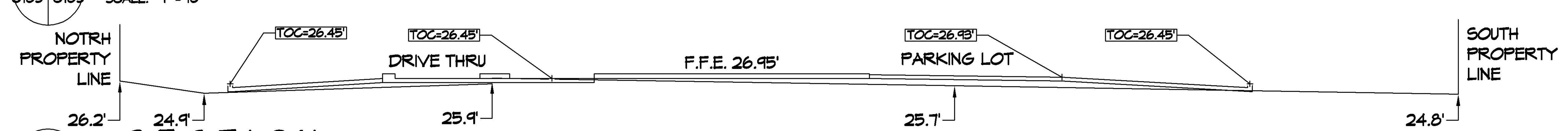
8 SITE PAVING & DRAINAGE PLAN

SCALE: 1" = 10'-0"



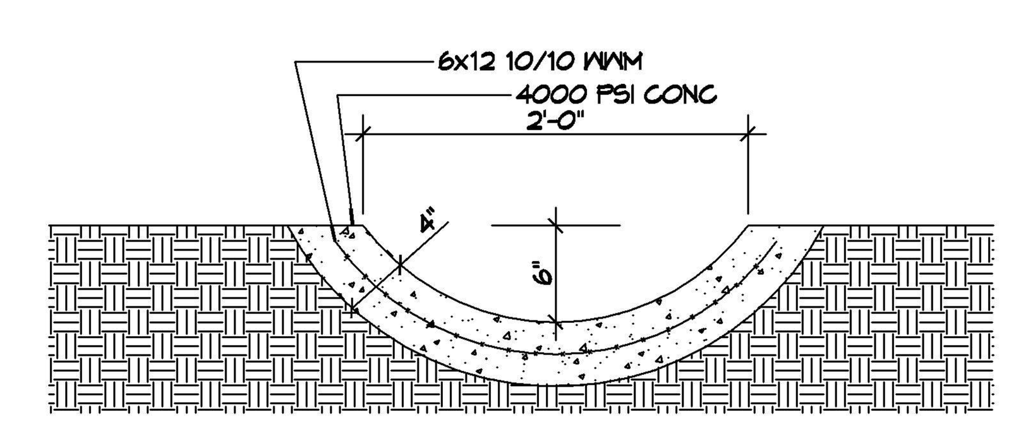
A SECTION

C103 C103 SCALE: 1" = 10'



B SECTION

C103 C103 SCALE: 1" = 10'



DRAINAGE SWALE

SCALE: 1" = 1'-0"

GENERAL PAVING NOTES

1. ALL NEW CONCRETE SHALL SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS AND A MINIMUM THICKNESS OF 6". CONCRETE MIX SHALL BE IN ACCORDANCE WITH THE LATEST REVISION OF ASTM C-150 TYPE 1.
2. CONCRETE PAVING THICKNESS SHALL VARY AS FOLLOWS:
   a. APRONS & LOADING AREAS = 8" THICKNESS (INDICATED WITH CROSS HATCH WHERE OCCURS)
   b. DRIVE LANES & PARKING AREAS = 6" THICKNESS (STANDARD UNO)
3. ALL REINFORCING STEEL SHALL MEET ASTM-A615 (GRADE 60).
4. ALL REINFORCING STEEL SHALL BE SECURELY SUPPORTED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING CONCRETE PLACEMENT. ALL CONTROL AND EXPANSION JOINTS SHALL BE LOCATED AND INSTALLED AS SHOWN ON THE PAVING PLAN AND IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
5. ALL SUB GRADE FILL SHALL BE SELECT GRANULAR MATERIAL COMPACTED TO 95% STANDARD PROCTOR DENSITY IN A MAXIMUM OF 6" LIFTS.
6. ANY WORK WITHIN THE ROADWAY OR ADJACENT TO THE ROADWAY CAUSING AN INTERFERENCE TO VEHICULAR TRAFFIC MUST CONFORM TO THE REQUIREMENTS SET FORTH BY THE UNIFORM MANUAL OF TRAFFIC CONTROL DEVICES OF THE STATE OF LOUISIANA. THE CONTRACTOR MUST FURNISH ALL NECESSARY TRAFFIC SIGNS AND/OR BARRICADES AND MAINTAIN THEM DURING CONSTRUCTION ACTIVITY.

PAVING LEGEND

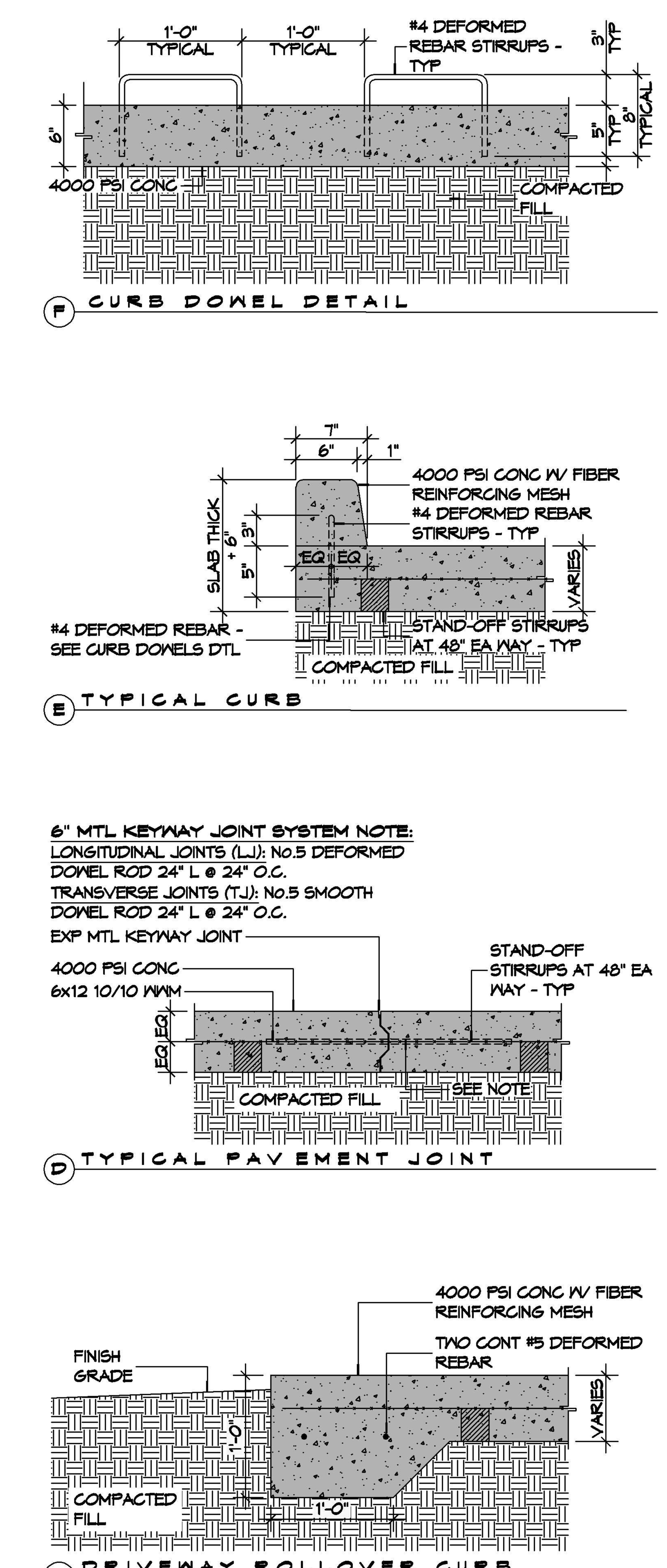
TOC XXX.X — TOP OF CONCRETE ELEVATION

BOC XXX.X — BOTTOM OF CONCRETE ELEVATION

INV XXX.X' — INVERT ELEVATION

LJ — LONGITUDINAL JOINTS (LJ) = NO. 5 DEFORMED DOWEL RODS 24" LONG @ 24" O. C.

TJ — TRANSVERSE JOINTS (TJ) = NO. 5 SMOOTH DOWEL RODS 24" LONG @ 24" O. C.



PAVING DETAILS

SCALE: 1" = 1'-0"

DAMMON ENGINEERING, INC.

LOUISIANA & MISSISSIPPI

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REVISIONS

#	DESCRIPTION	DATE

SEAL: STATE OF LOUISIANA — BRIAN A. MISTICH — License No. 30187 — PROFESSIONAL ENGINEER

NEW OFFICE BUILDING

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DRAWN BY:	CKD	CHECKED BY:	BAM

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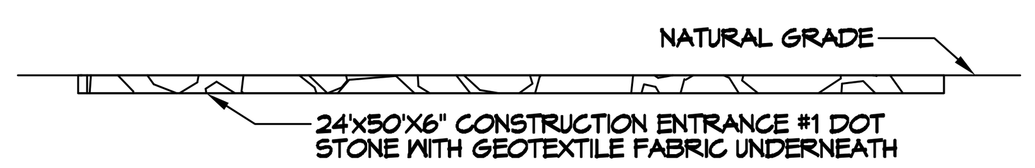
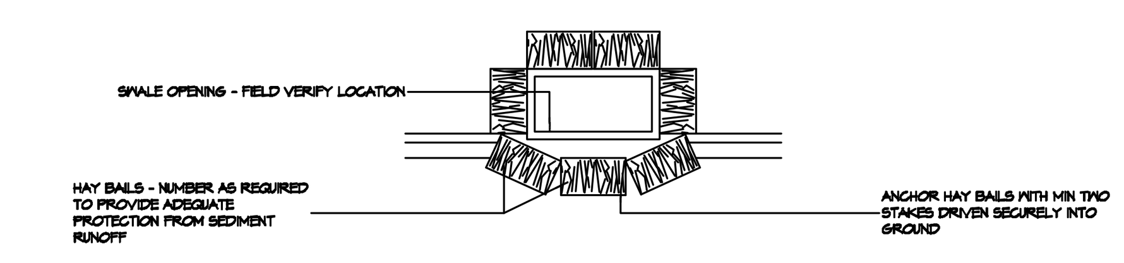
SITE PAVING & DRAINAGE PLAN

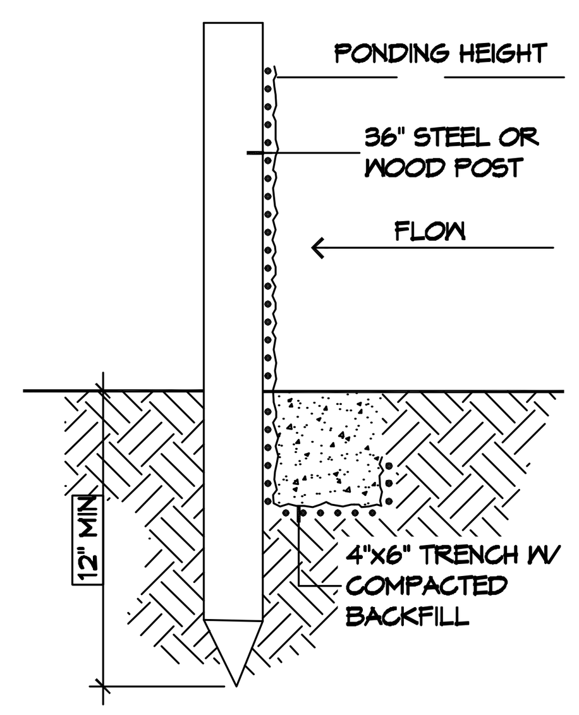
DRAWING NUMBER:
C103



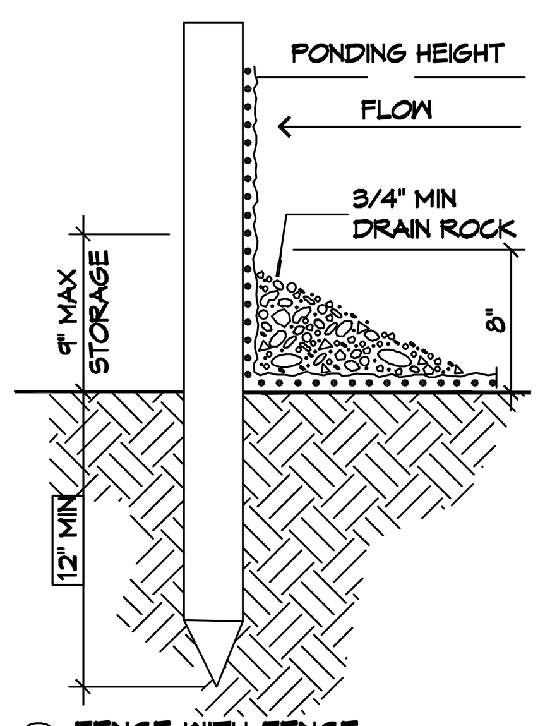
A CONSTRUCTION ENTRANCE
SCALE: 3/16" = 1'-0" TYPICAL SECTION



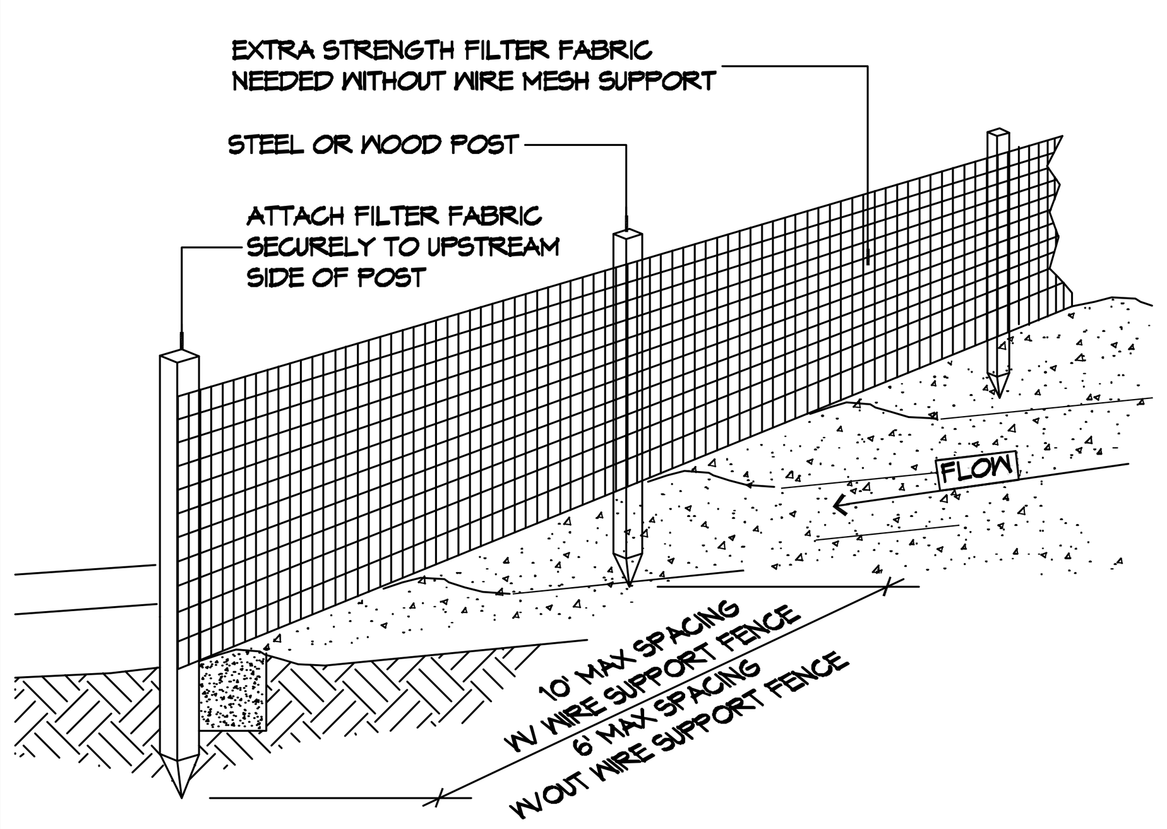
HAY BALE



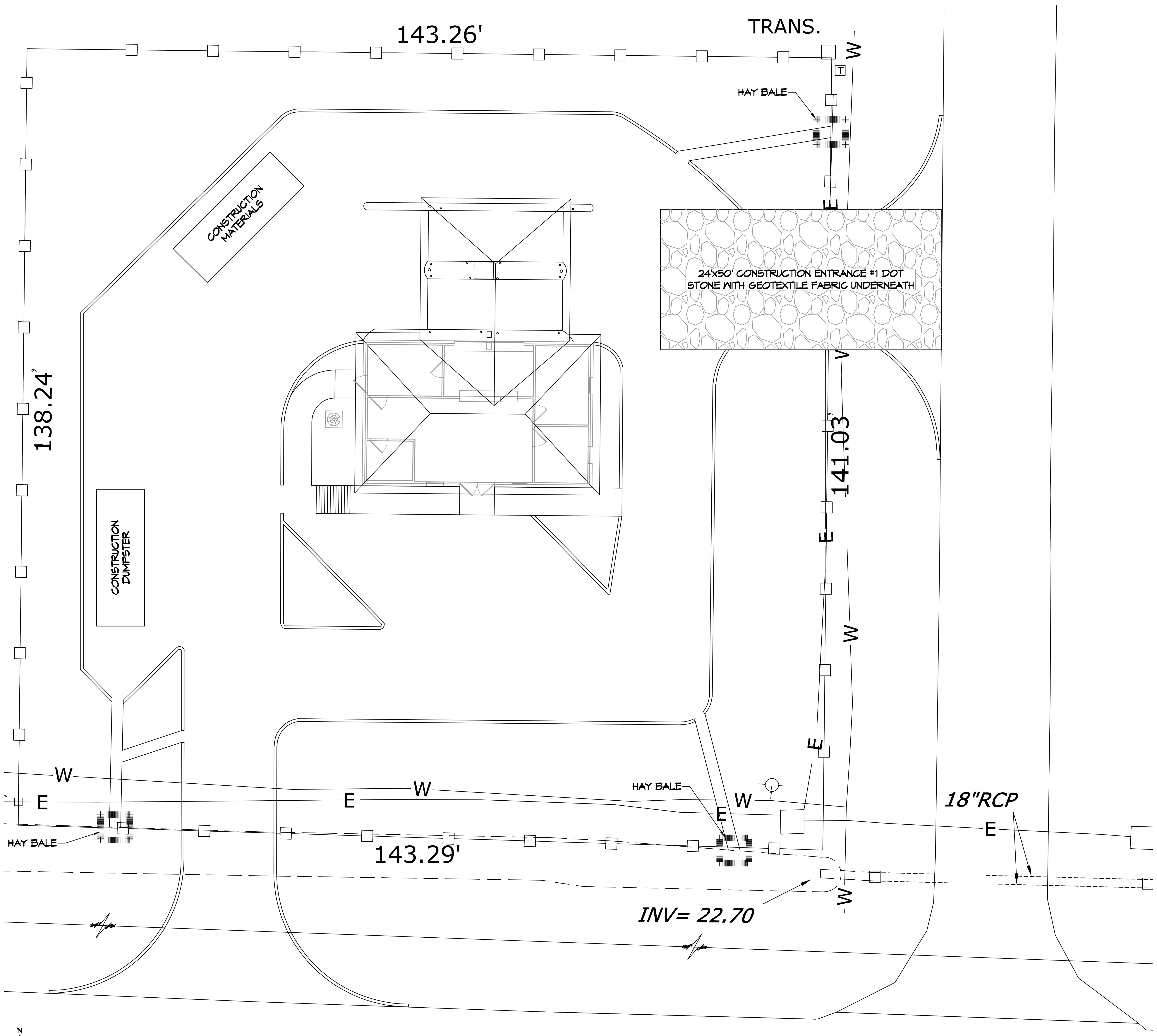
D SILT FENCE



E FENCE WITH FENCE



C FENCE WITH FENCE



9 EROSION CONTROL PLAN
SCALE: 1" = 10'-0"

GENERAL EROSION CONTROL NOTES

1. ALL APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN PLACE PRIOR TO ANY GRADING OPERATION AND/OR INSTALLATION OF PROPOSED STRUCTURES OR UTILITIES.
2. SOIL EROSION AND SEDIMENT CONTROL PRACTICES ON THIS PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARDS OF THE AUTHORITY HAVING JURISDICTION.
3. APPLICABLE EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE LEFT IN PLACE UNTIL CONSTRUCTION IS COMPLETED AND/OR THE AREA IS STABILIZED.
4. THE CONTRACTOR SHALL PERFORM ALL WORK, FURNISH ALL MATERIALS, AND INSTALL ALL MEASURES REQUIRED TO REASONABLY CONTROL THE SOIL EROSION RESULTING FROM CONSTRUCTION OPERATIONS AND PREVENT EXCESSIVE FLOW OF SEDIMENT FROM THE CONSTRUCTION SITE.
5. ANY DISTURBED AREA THAT IS TO BE LEFT EXPOSED FOR MORE THAN THIRTY (30) DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC SHALL IMMEDIATELY RECEIVE A TEMPORARY SEEDING AND FERTILIZATION IN ACCORDANCE WITH THE AUTHORITY HAVING JURISDICTION'S STANDARDS.
6. THE SITE SHALL BE AT ALL TIMES BE GRADED AND MAINTAINED SUCH THAT ALL STORMWATER RUNOFF IS DIVERTED TO SOIL EROSION AND SEDIMENT CONTROL FACILITIES.
7. ALL CATCH BASIN INLETS SHALL BE PROTECTED IN ACCORDANCE WITH THESE PLANS.
8. EXCAVATED MATERIAL STOCKPILED ON THE SITE SHALL BE SURROUNDED BY A RING OF UNBROKEN SEDIMENT AND EROSION CONTROL FENCE. THE LIMITS OF ALL GRADING AND DISTURBANCE SHALL BE KEPT TO A MINIMUM WITHIN THE APPROVED AREA OF CONSTRUCTION. ALL AREAS OUTSIDE OF THE LIMIT OF CONTRACT SHALL REMAIN TOTALLY UNDISTURBED UNLESS OTHERWISE APPROVED BY OWNER'S REPRESENTATIVE.
9. ANY AREA OUTSIDE THE PROJECT LIMIT THAT IS DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO THE OWNER.
10. THE CONTRACTOR SHALL PROVIDE DUST CONTROL FOR CONSTRUCTION OPERATIONS AS APPROVED BY OWNER.
11. ANY WORK WITHIN THE ROADWAY OR ADJACENT TO THE ROADWAY CAUSING AN INTERFERENCE TO VEHICULAR TRAFFIC MUST CONFORM TO THE REQUIREMENTS SET FORTH BY THE UNIFORM MANUAL OF TRAFFIC CONTROL DEVICES OF THE STATE OF LOUISIANA. THE CONTRACTOR MUST FURNISH ALL NECESSARY TRAFFIC SIGNS AND/OR BARRICADES AND MAINTAIN THEM DURING CONSTRUCTION ACTIVITY.
12. ALL POINTS OF CONSTRUCTION EGRESS OR INGRESS SHALL BE MAINTAINED TO PREVENT TRACKING OR FLOWING OF SEDIMENT ON TO PUBLIC/PRIVATE ROADS.

SILT FENCE INSTALLATION NOTES

1. THE BASE OF BOTH END POSTS MUST BE AT LEAST 2'-4" ABOVE THE TOP OF THE SILT FENCE FABRIC ON THE MIDDLE POSTS FOR DITCH CHECKS TO DRAIN PROPERLY. USE A HAND LEVEL OR STRING LEVEL, IF NECESSARY, TO MARK BASE POINTS BEFORE INSTALLATION.
2. INSTALL POSTS 3 - 4 FEET APART IN CRITICAL WATER RETENTION AREAS AND 6 - 7 FEET APART ON STANDARD APPLICATIONS.
3. INSTALL POSTS 24" DEEP ON THE DOWNSTREAM SIDE OF THE SILT FENCE, AND AS CLOSE AS POSSIBLE TO THE FABRIC, ENABLING POSTS TO SUPPORT THE FABRIC FROM UPSTREAM WATER PRESSURE.
4. INSTALL POSTS WITH THE NIPPLES FACING AWAY FROM THE SILT FENCE FABRIC.
5. ATTACH THE FABRIC TO EACH POST WITH THREE TIES, ALL SPACED WITHIN THE TOP 8" OF THE FABRIC. ATTACH EACH TIE DIAGONALLY 45° THROUGH THE FABRIC, WITH EACH PUNCTURE AT LEAST 1" VERTICALLY APART. ADDITIONALLY, EACH TIE SHOULD BE POSITIONED TO HANG ON A POST NIPPLE WHEN TIGHTENED TO PREVENT SAGGING.
6. WRAP APPROXIMATELY 6" OF FABRIC AROUND THE END POSTS AND SECURE WITH 3 TIES.
7. NO MORE THAN 24" OF A 36" FABRIC IS ALLOWED ABOVE GROUND LEVEL.
8. THE INSTALLATION SHOULD BE CHECKED AND CORRECTED FOR ANY DEVIATIONS BEFORE COMPACTION. USE A FLAT-BLADED SHOVEL TO TUCK FABRIC DEEPER INTO THE SILT IF NECESSARY.
9. COMPACTING IS VITALLY IMPORTANT FOR EFFECTIVE RESULTS. COMPACT THE SOIL IMMEDIATELY NEXT TO THE SILT FENCE FABRIC WITH THE FRONT WHEEL OF THE TRACTOR, SKID STEER, OR ROLLER EXERTING AT LEAST 60 PSI OF PRESSURE. COMPACT THE UPSTREAM SIDE FIRST, AND THEN EACH SIDE TWICE FOR A TOTAL OF FOUR TRIPS.
10. SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
11. INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. NINE INCH MAXIMUM RECOMMENDED STORAGE HEIGHT.
12. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL OT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.

EROSION CONTROL LEGEND

SILT FENCE
HAY BALE

SITE NOTE

SEED OR SOD ALL DISTURBED AREAS

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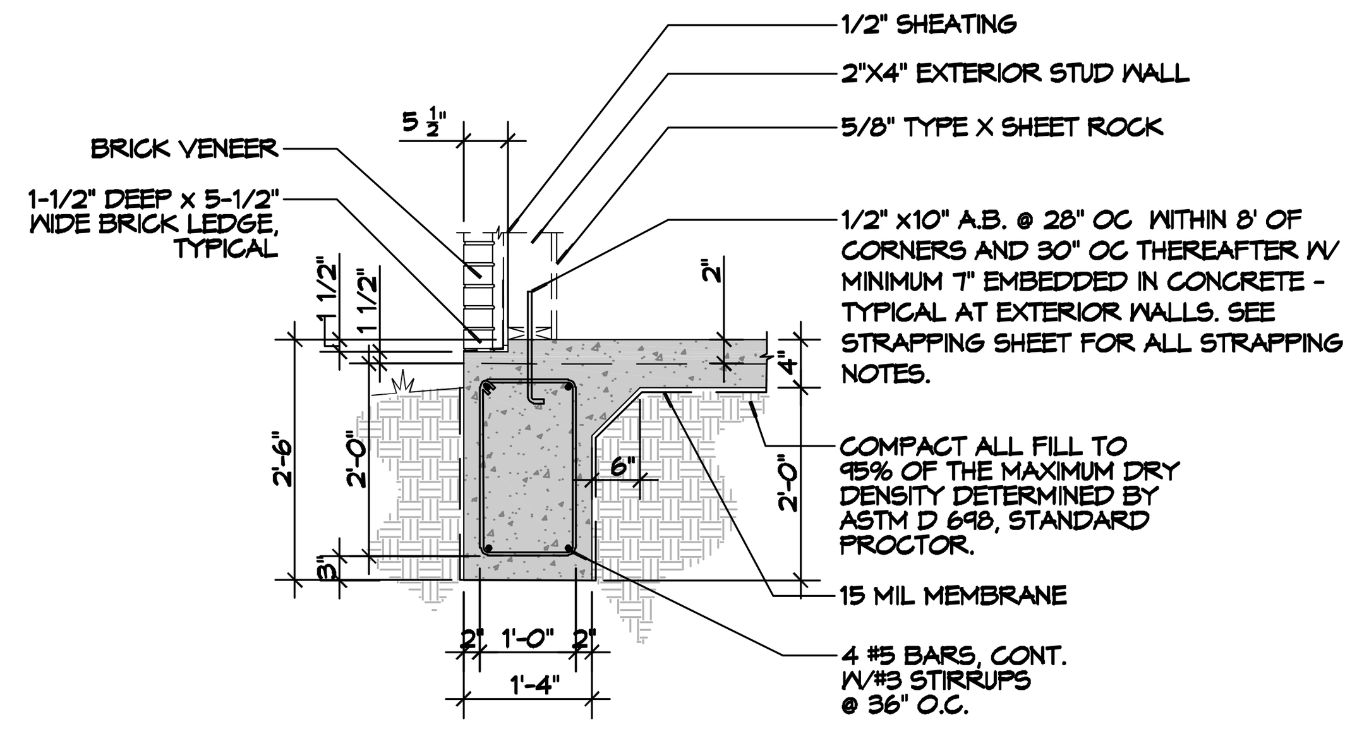
MANDEVILLE, LA.

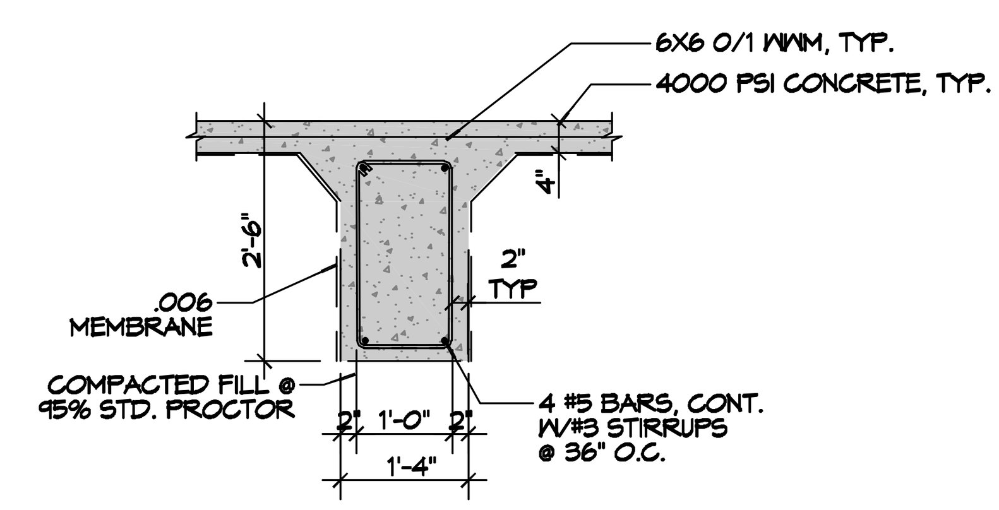
JOB No:	2022	DATE:	04-28-2022
DRAWN BY:	CKD	CHECKED BY:	BAM

SHEET TITLE:
EROSION CONTROL AND DETAILS

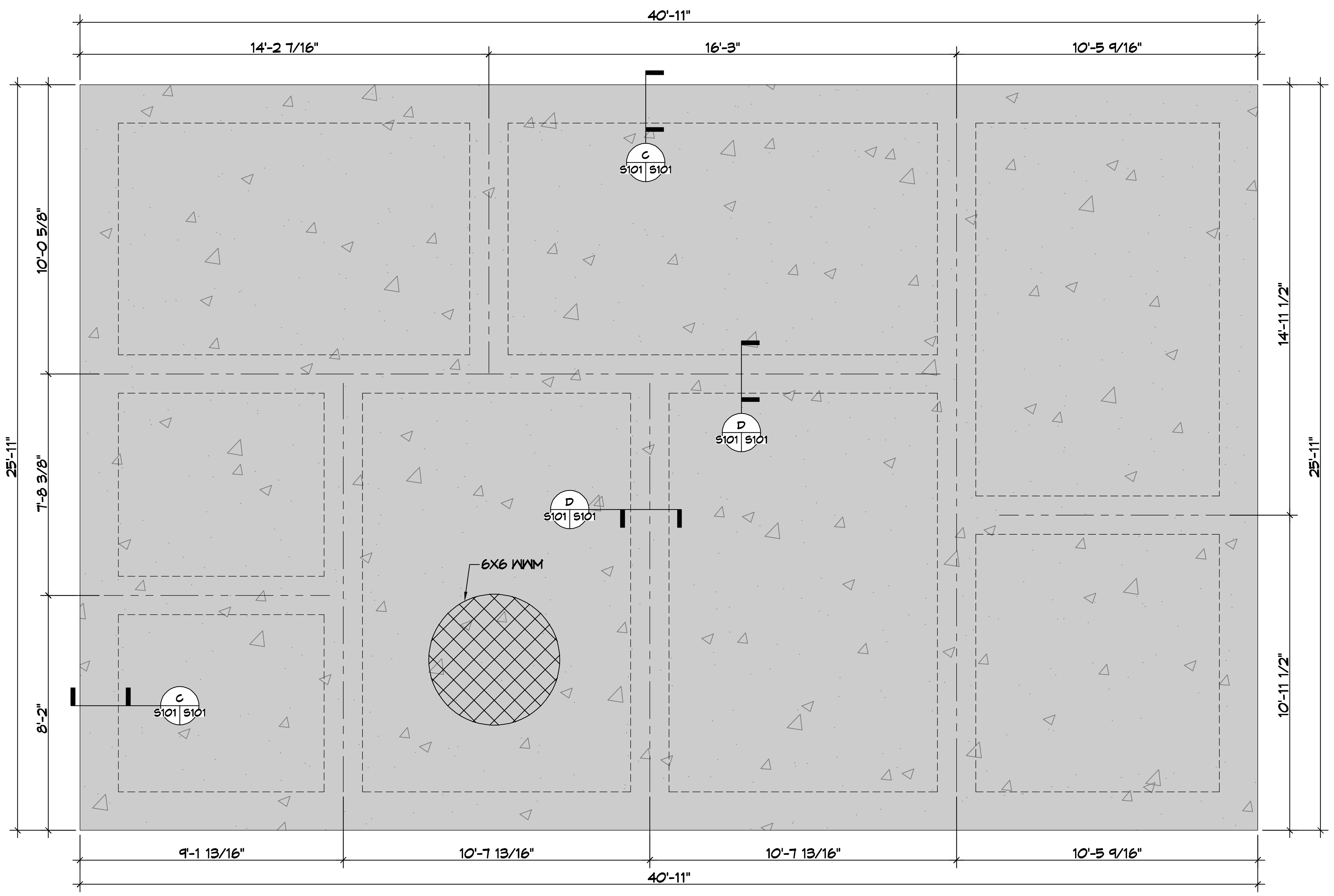
DRAWING NUMBER:
C104



C S101 S101 **SECTION**
SCALE: 1/2" = 1'-0"



D S101 S101 **SECTION**
SCALE: 1/2" = 1'-0"



10 FOUNDATION PLAN
SCALE: 3/8"=1'-0"

GENERAL FOUNDATION NOTES

1. ALL DIMENSIONS ARE EDGE OF CONCRETE (EOC) TO EDGE OF CONCRETE (EOC) UNLESS NOTED OTHERWISE.
2. VERIFY ALL PLUMBING ROUGH-IN LOCATIONS ON ARCHITECTURAL DWGS.
3. CONCRETE MIX SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS. CONCRETE MIX SHALL BE IN ACCORDANCE WITH ACI-318.
4. ALL CONVENTIONAL REINFORCING STEEL SHALL MEET ASTM-A615 (GRADE 60).
5. ONE LAYER OF POLYETHYLENE VAPOR BARRIER SHALL BE PLACED UNDER ALL CONCRETE. VAPOR RETARDER TO BE MINIMUM 10 MIL, THICKNESS; ASTM E 1745 CLASS A, PERMEANCE LESS THAN 0.01 PERMS, EQUAL TO STEGO INDUSTRIES STEGO WRAP, ECOSHIELD-E 15 MIL BY EPRO, OR IRONBAR 15 BY FLATIRON FILMS. PROVIDE APPROPRIATE ACCESSORIES FOR A COMPLETE SYSTEM.
6. ALL REINFORCING STEEL AND MESH SHALL BE SECURELY SUPPORTED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENT DURING CONCRETE PLACEMENT.
7. THE CONTRACTOR SHALL VERIFY ALL DROPS, OFFSETS, BRICK LEDGES, DIMENSIONS AND CONFIGURATIONS. CONTRACTOR MUST BE RESPONSIBLE FOR SAME.
8. GRADE BEAM DIMENSIONS MAY VARY BY -5%, +20%.
9. NEW SPREAD CONCRETE FOOTINGS AND CONTINUOUS FOOTINGS, BEARING ON COMPACTED STRUCTURAL FILL AT LEAST 2 FEET BELOW FINISHED GRADE, SHOULD BE DESIGNED FOR MINIMUM NET ALLOWABLE BEARING PRESSURES OF 1200 PSF AND 2000 PSF, RESPECTIVELY, BASED ON DEAD LOADS AND DESIGN LIVE LOADS.
10. ALL SOIL BELOW SLAB SHALL RECEIVE TERMITE TREATMENT.

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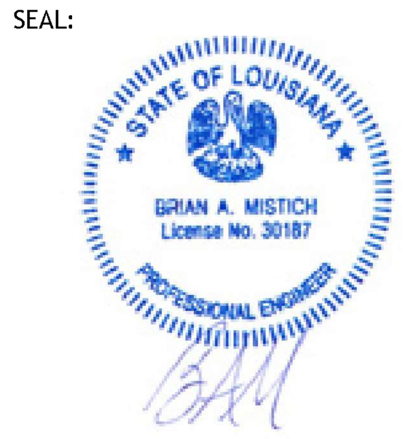

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SHEET TITLE:
FOUNDATION AND ROOF FRAMING PLAN

DRAWING NUMBER:
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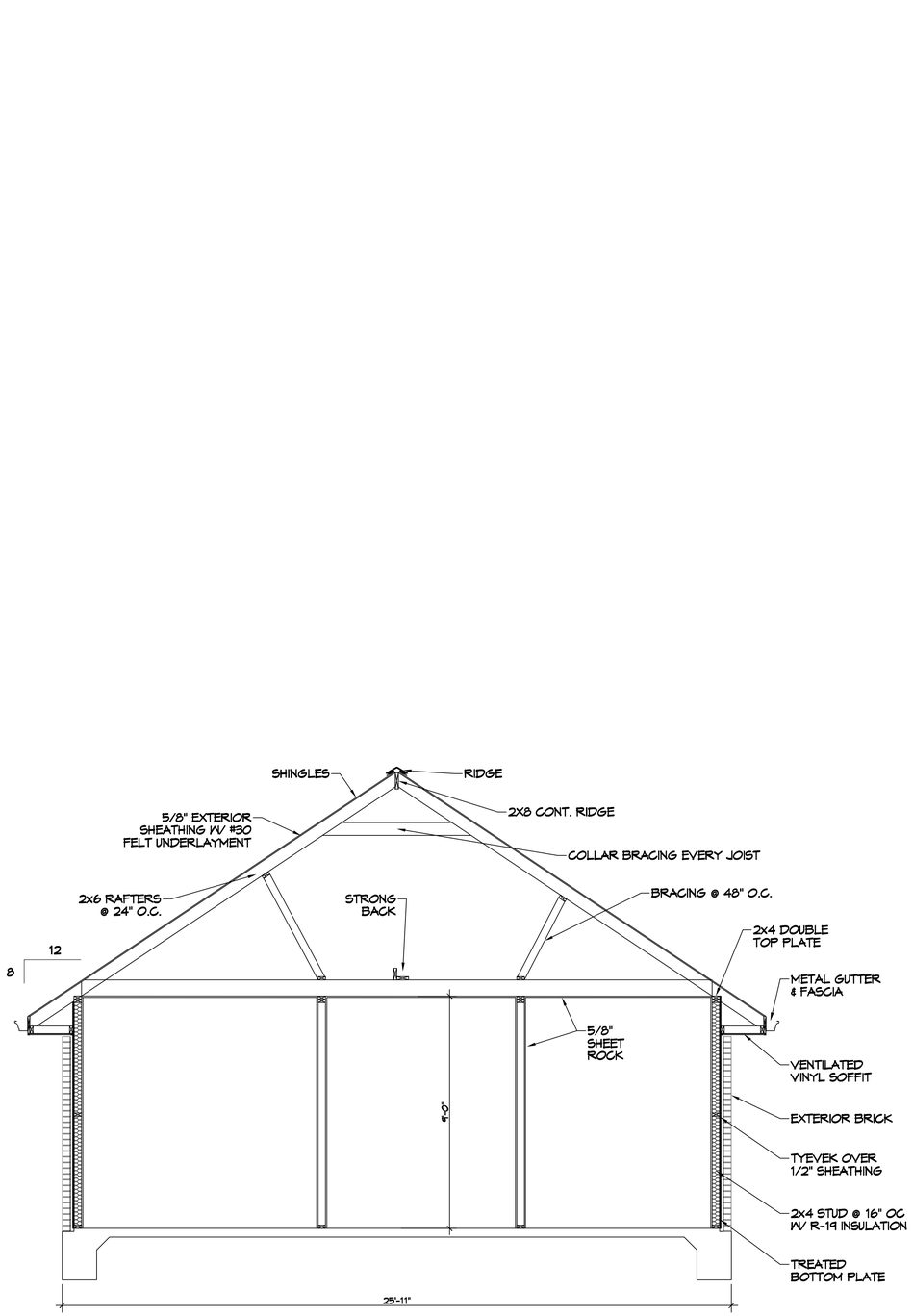
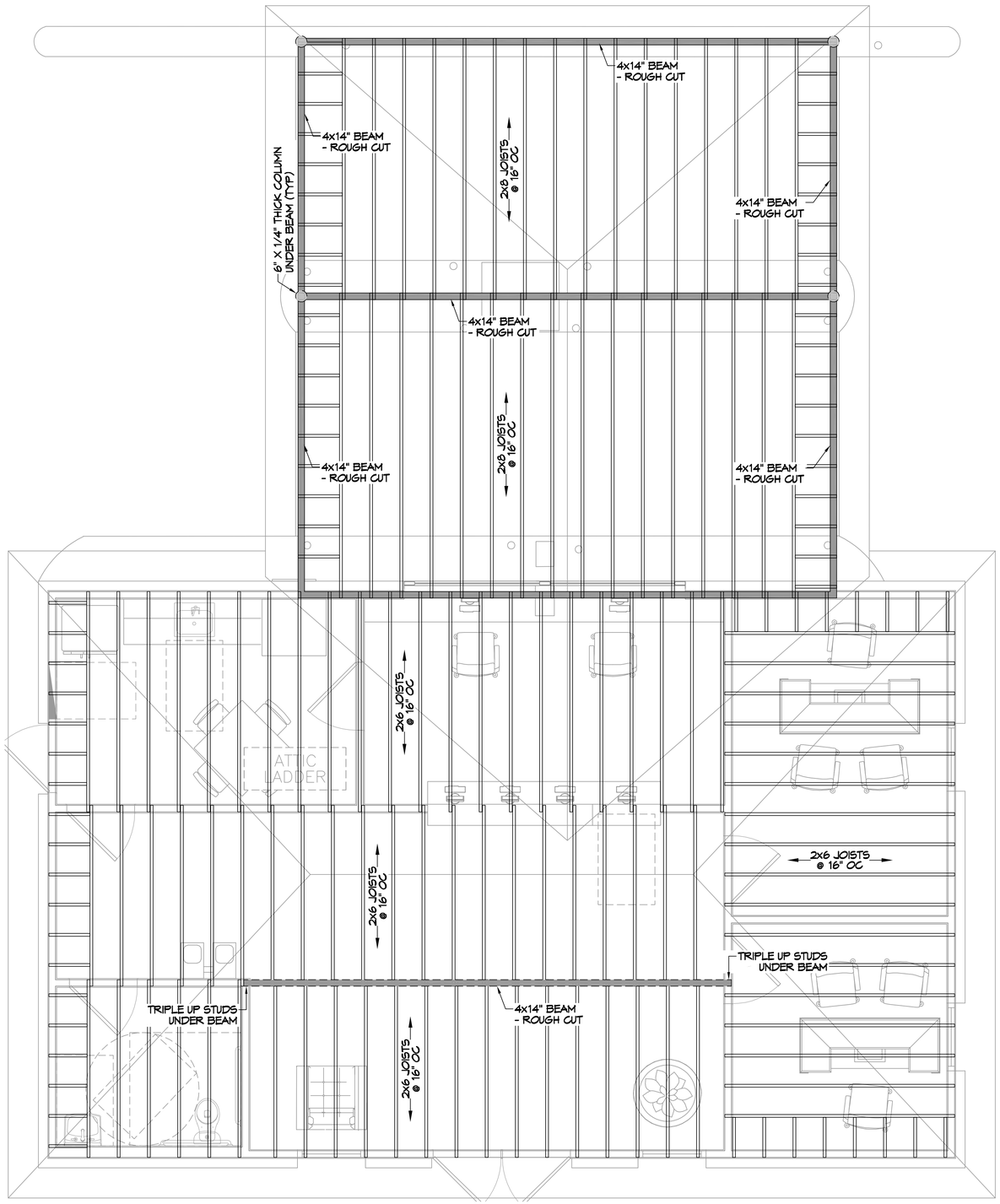


11 BUILDING SECTION
SCALE: 3/8"= 1'-0"



12 CEILING FRAMING PLAN
SCALE: 3/8"= 1'-0"

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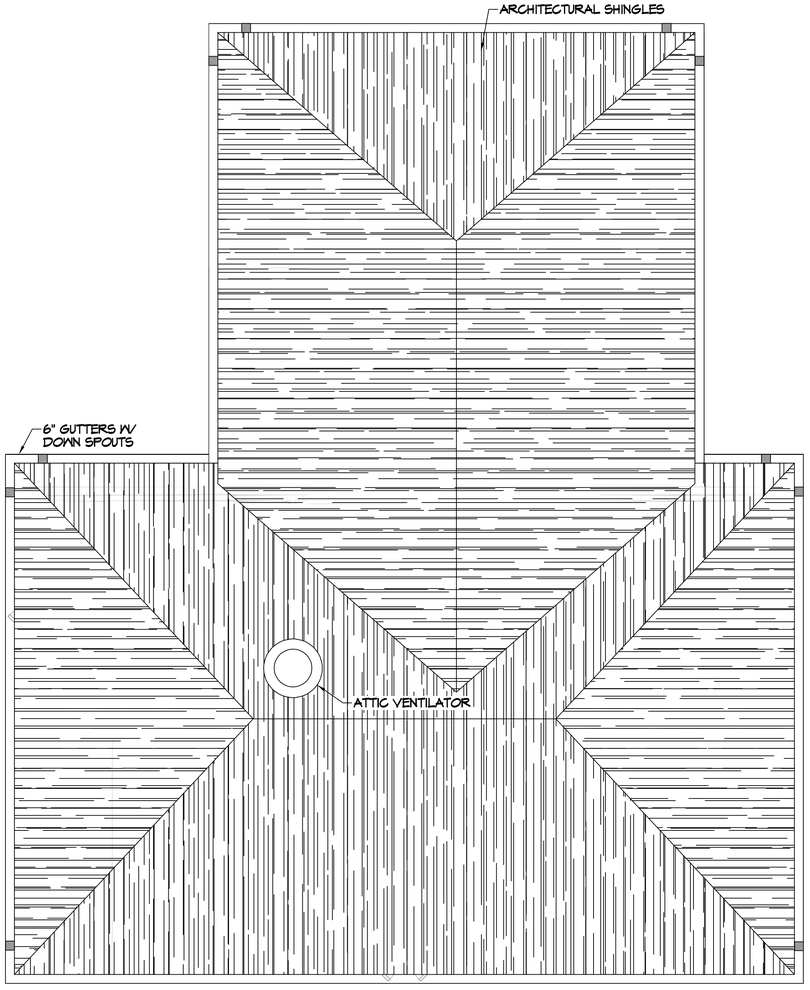
CHECKED BY: BAM

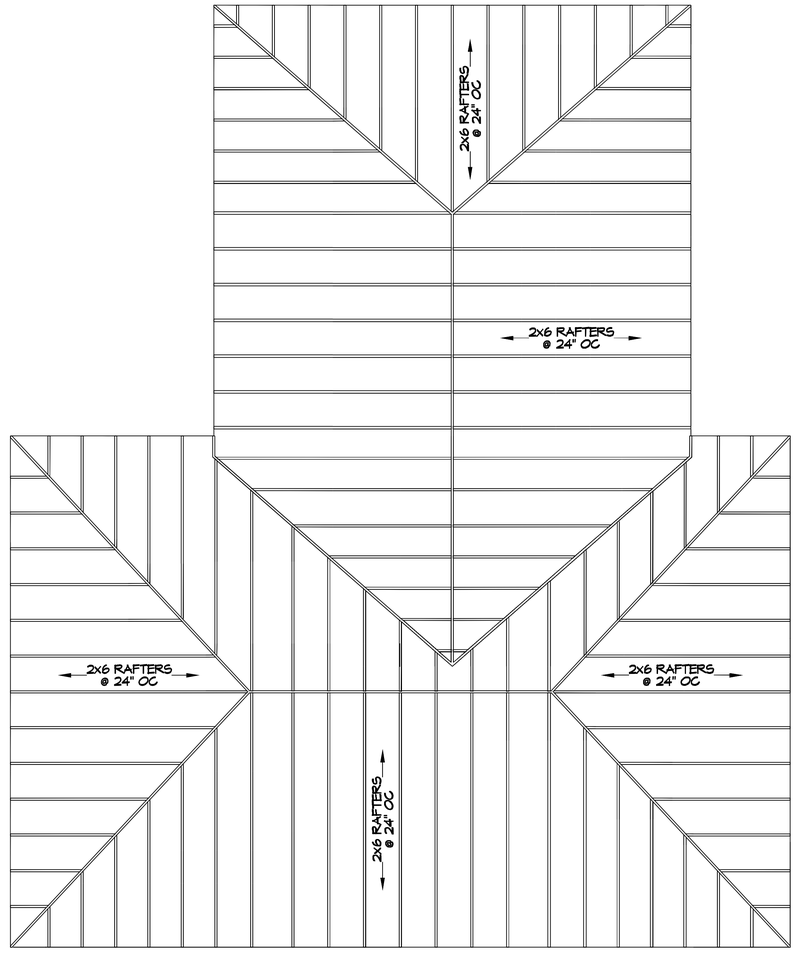
SHEET TITLE:
SECTION AND CEILING FRAMING PLAN

DRAWING NUMBER:
S102

SHEET No: 8 of 17



13 ROOF PLAN
SCALE: 1/4"= 1'-0"



14 ROOF FRAMING PLAN
SCALE: 1/4"= 1'-0"

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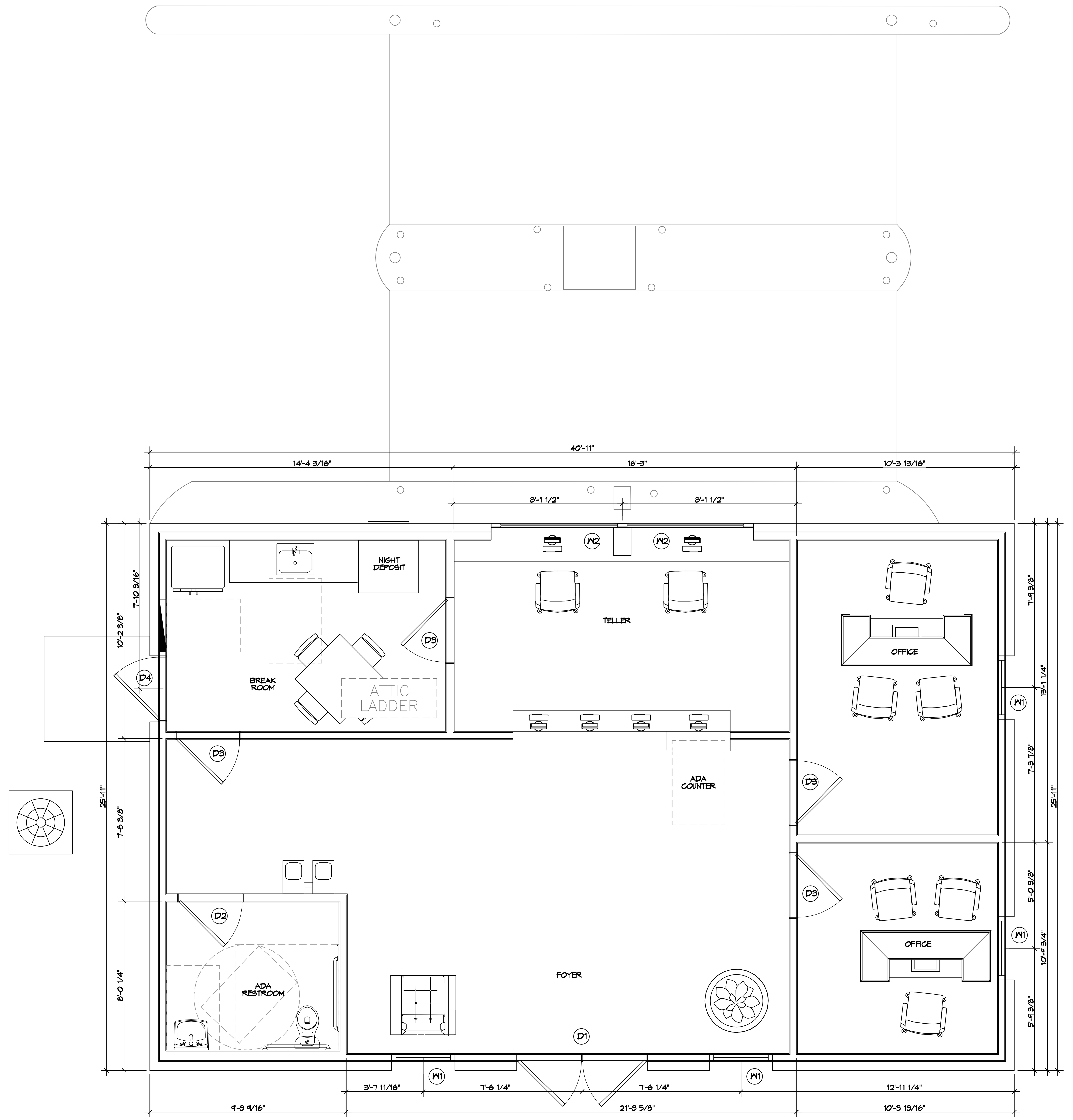
SHEET TITLE:
ROOF AND ROOF FRAMING PLAN

DRAWING NUMBER:
S103

SHEET No: 9 of 17



15 FLOOR PLAN
SCALE: 3/8" = 1'-0"

GENERAL NOTES

1. INSULATION AND INSULATION ASSEMBLIES SHALL MEET THE REQUIREMENTS OF IBC 2012 SECTION 719.
   A. CONCEALED INSULATION SHALL HAVE A FLAME SPREAD OF 0-25 AND SMOKE DEVELOPED INDEX OF 0-450. EXCEPT THAT IN COMBUSTIBLE (WOOD FRAME) CONSTRUCTION.
   B. FACING SHALL COMPLY WITH IBC 2012.
2. ALL MATERIALS SHALL BE NEW AND UL LISTED.
3. NO WORK SHALL BE CONCEALED UNTIL APPROVED BY LOCAL INSPECTORS.
4. CONSTRUCTION SHALL COMPLY WITH ALL PARISH, STATE, AND LOCAL CODES.
5. CONTRACTOR TO GUARANTEE WORK FOR ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION.
6. CONTRACTOR SHALL FURNISH WATER AND POWER FROM EXISTING SOURCES.
7. EXTERIOR CAULKING SHALL BE THIOKAL CAULK.
8. PAINT SHALL BE SHERWIN WILLIAMS OR EQUIVALENT AND APPROPRIATE FOR THE SUBSTRATE TO WHICH IT IS APPLIED AS RECOMMENDED BY PAINT MANUFACTURER. ALL WORK TO RECEIVE THREE COATS (ONE PRIMER COAT, TWO FINISH COATS) UNLESS OTHERWISE RECOMMENDED BY PAINT MANUFACTUER. COLORS TO BE SELECTED BY OWNER.
9. PROVIDE CLEANUP ON A REGULAR BASIS. NO TRASH SHALL BE STORED INSIDE BUILDING PREMISES.
10. ALL BATT INSULATION SHALL HAVE A CLASS "A" (0-25) FLAME SPREAD IN COMPLIANCE WITH IBC 2012.
11. USE 2x6 STUDS, OR TWO 2x4 STAGGERED STUDS WITH 2x6 SILL PLATE AT ALL WALLS WHERE 4" PIPE IS INDICATED. SEE PLUMBING RISER DIAGRAM FOR PIPE SIZE.
12. PROVIDE GALVANIZED METAL PAN WITH DRAIN AT ALL WATER HEATERS.
13. ALL FLOORING SHALL MEET OR EXCEED ADA GUIDELINES REQUIREMENTS FOR SLIP RESISTANCE.
14. INTERIOR LOCKS ON DOORS IN MEANS OF EGRESS SHALL NOT REQUIRE THE USE OF A KEY, SPECIAL KNOWLEDGE, OR SPECIAL DEVICE TO OPEN IN THE DIRECTION OF EGRESS. ALL DOORS SHALL HAVE LEVER TYPE HANDLES.
15. INTERIOR WALLS AND CEILINGS SHALL HAVE A FLAME SPREAD OF 0-200 AND A SMOKE DEVELOPMENT RATING OF 0-450.
16. ALL WORK SHALL COMPLY WITH THE LATEST EDITION OF ALL LOCAL, STATE, AND NATIONAL CODES COVERING THE TYPE OF WORK BEING PERFORMED.
17. PROVIDE PORTABLE FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 101. SEE APPENDIX "E" OF NFPA 101 FOR DISTRIBUTION OF EXTINGUISHERS.
18. ALL FIRE WALLS SHALL EXTEND TIGHT TO ROOF DECK AND BE SEALED WITH AN APPROVED FIRE CAULK.
19. ALL ELECTRICAL, MECHANICAL, AND PLUMBING MATERIALS PENETRATING FIRE WALLS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)
20. SERVICE COUNTERS SHALL HAVE AN ACCESSIBLE WRITING SURFACE IN COMPLIANCE WITH ADAAG ACCESSIBILITY GUIDELINES 2010, SECTION 902.3.

DOOR SCHEDULE

MK	WIDTH	HEIGHT	THK	DOOR MAT	FRAME	TYPE	NOTES
D01	(2)3'-0"	6'-8"	1-3/4"	GLASS	STEEL	SINGLE	DOUBLE GLASS DOOR W/ CLOSER
D02	3'-0"	6'-8"	1-3/4"	WOOD	WOOD	SINGLE	WITH CLOSER
D03	3'-0"	6'-8"	1-3/4"	WOOD	WOOD	SINGLE	
D04	3'-0"	6'-8"	1-3/4"	STEEL	STEEL	SINGLE	INSULATED W/CLOSER

NOTE:
DOORS IN A REQUIRED MEANS OF EGRESS SERVING ANY ASSEMBLY AREA HAVING AN OCCUPANT LOAD OF 50 OR MORE PERSONS SHALL NOT BE EQUIPPED WITH A LATCH OR LOCK OTHER THAN PANIC HARDWARE OR FIRE EXIT HARDWARE.

WINDOW SCHEDULE

MK	WIDTH	HEIGHT	FRAME MAT	WINDOW TYPE	NOTES
W01	3'-0"	5'-0"	STEEL	SINGLE HUNG	TINTED
W02	-	-	STEEL	-	PREFAB TELLER WINDOW

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SHEET TITLE:
FLOOR PLAN

DRAWING NUMBER:
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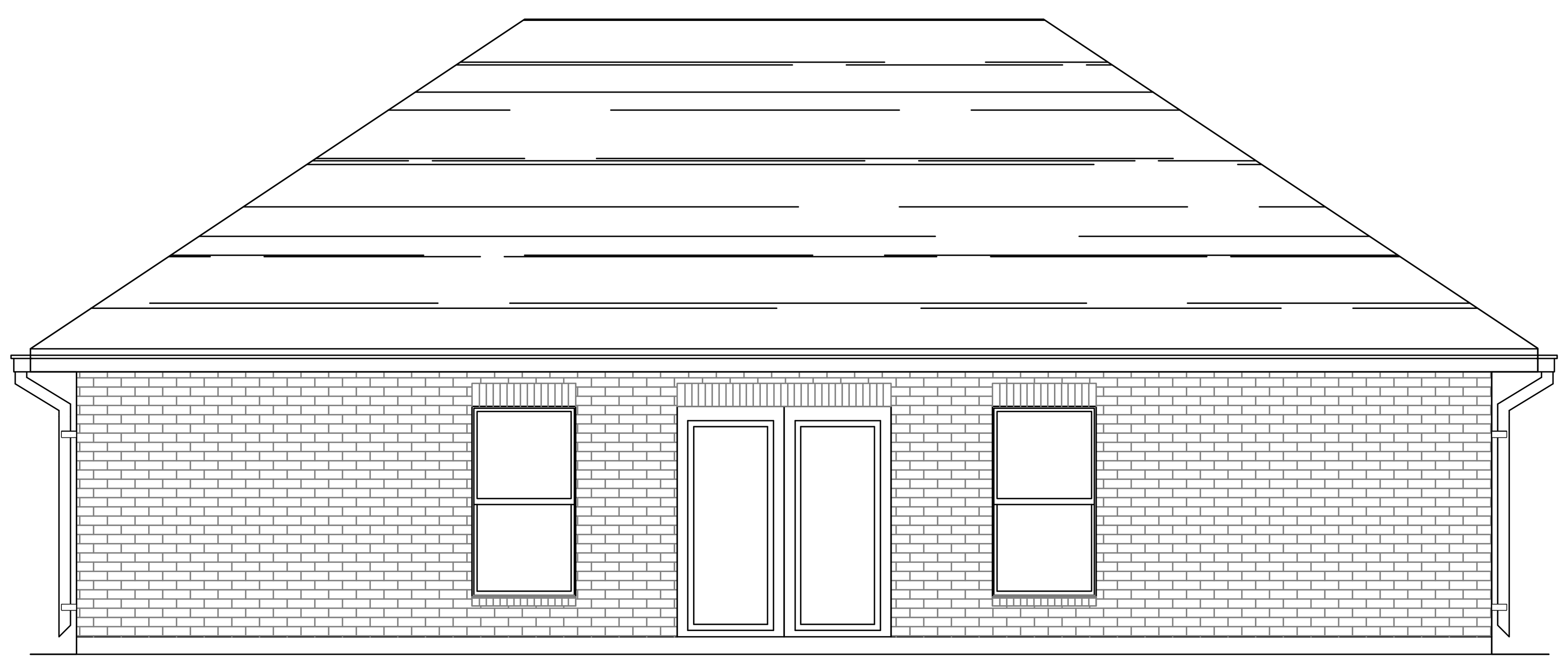
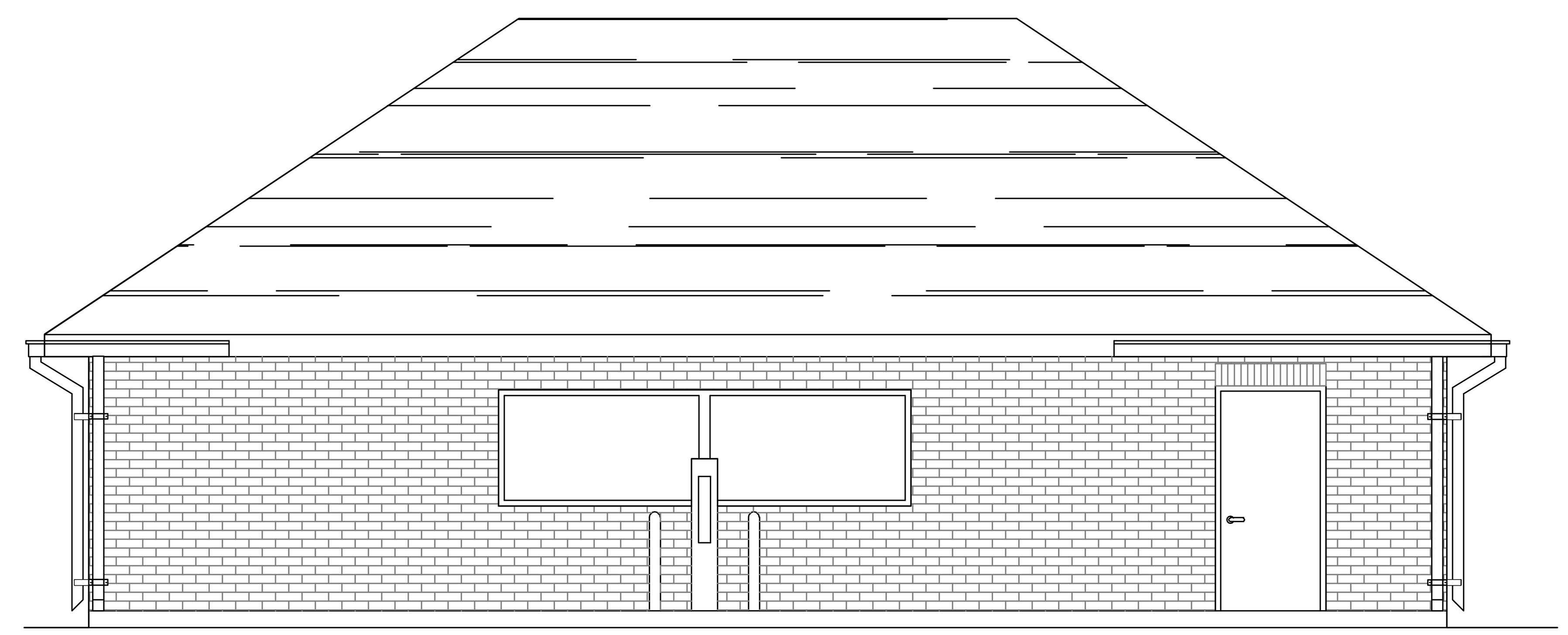
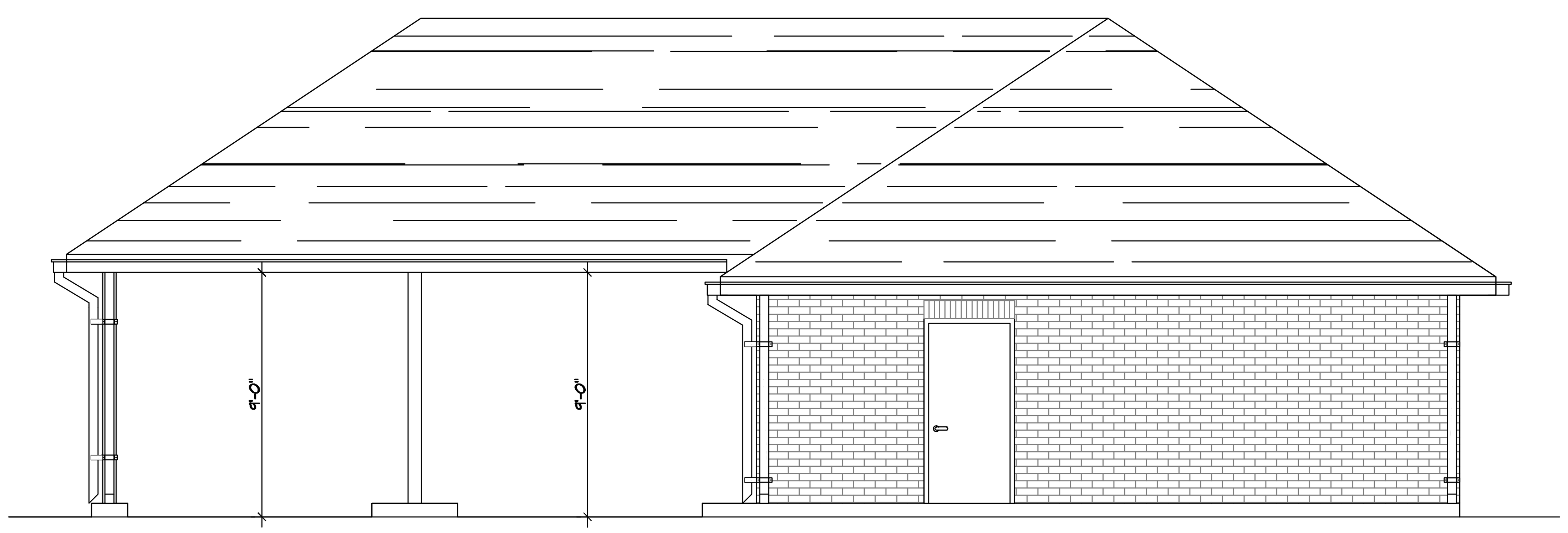


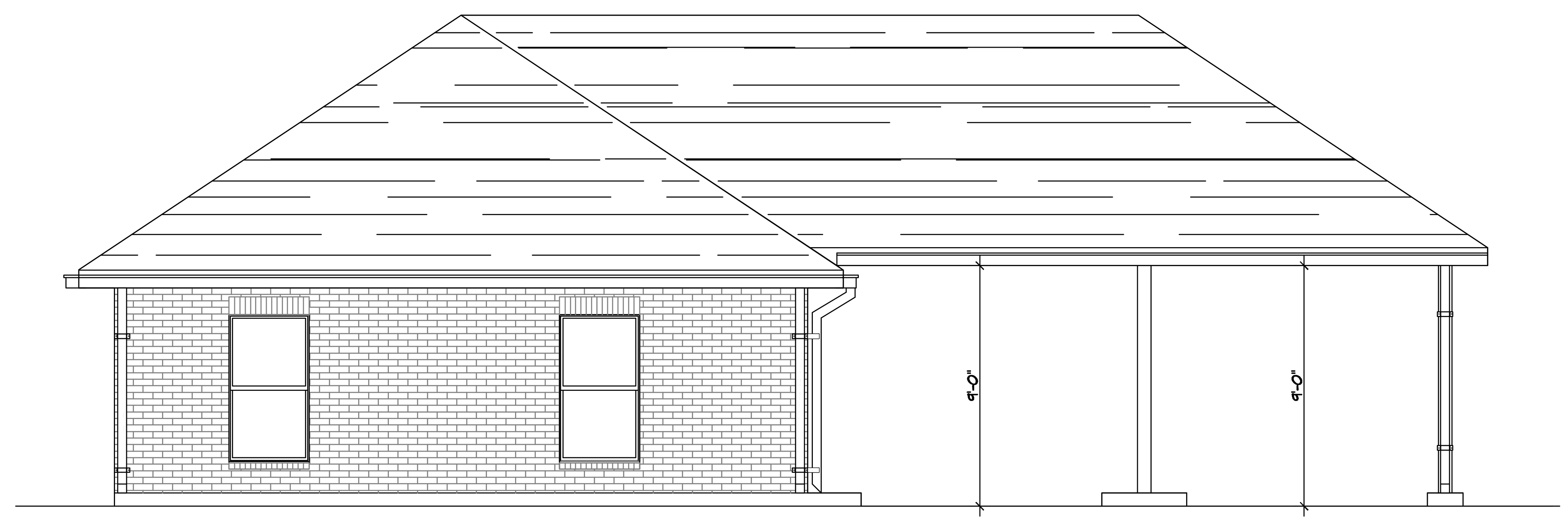
16 FRONT ELEVATION
SCALE: 1/4"=1'-0"
FACING NORTH



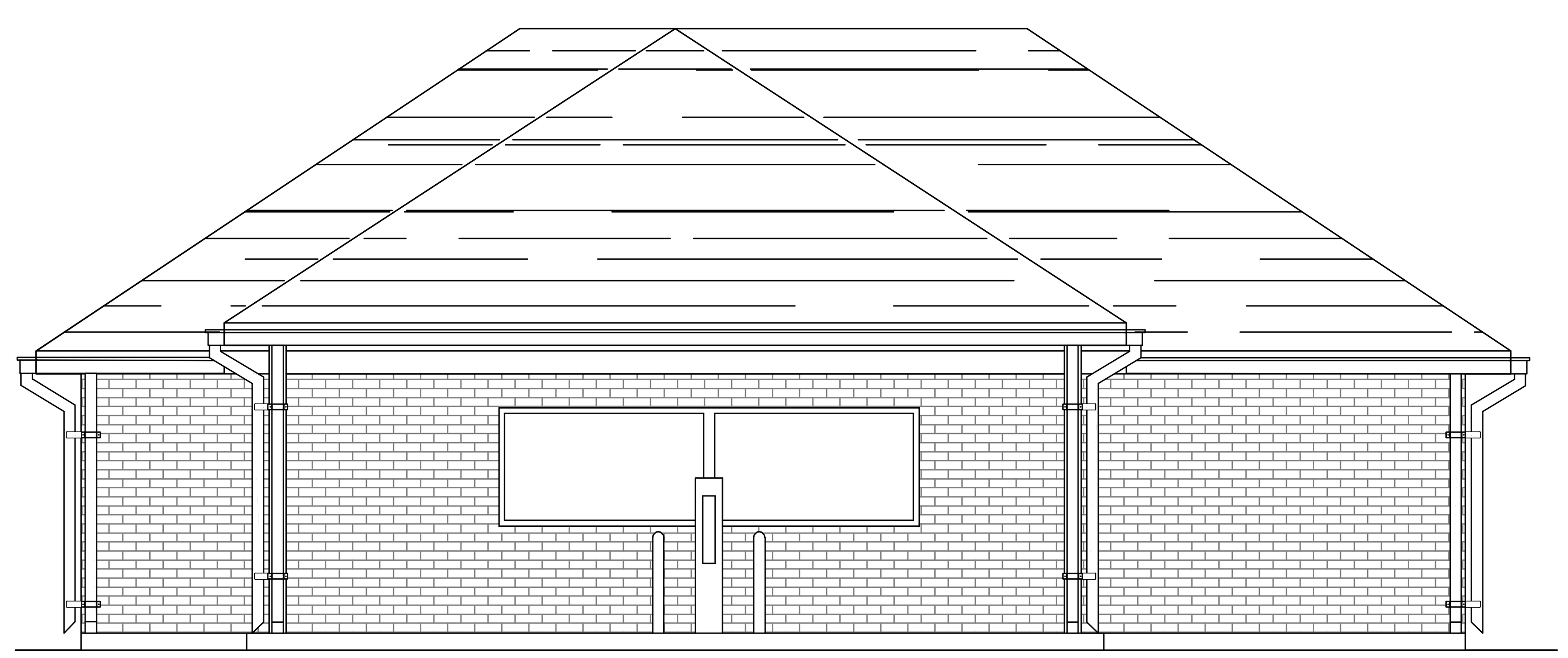
17 REAR ELEVATION
SCALE: 1/4"=1'-0"
FACING SOUTH W/OUT DRIVE-THRU



18 LEFT SIDE ELEVATION
SCALE: 1/4"=1'-0"
FACING EAST



19 RIGHT SIDE ELEVATION
SCALE: 1/4"=1'-0"
FACING WEST



20 REAR ELEVATION
SCALE: 1/4"=1'-0"
FACING SOUTH W/DRIVE THRU

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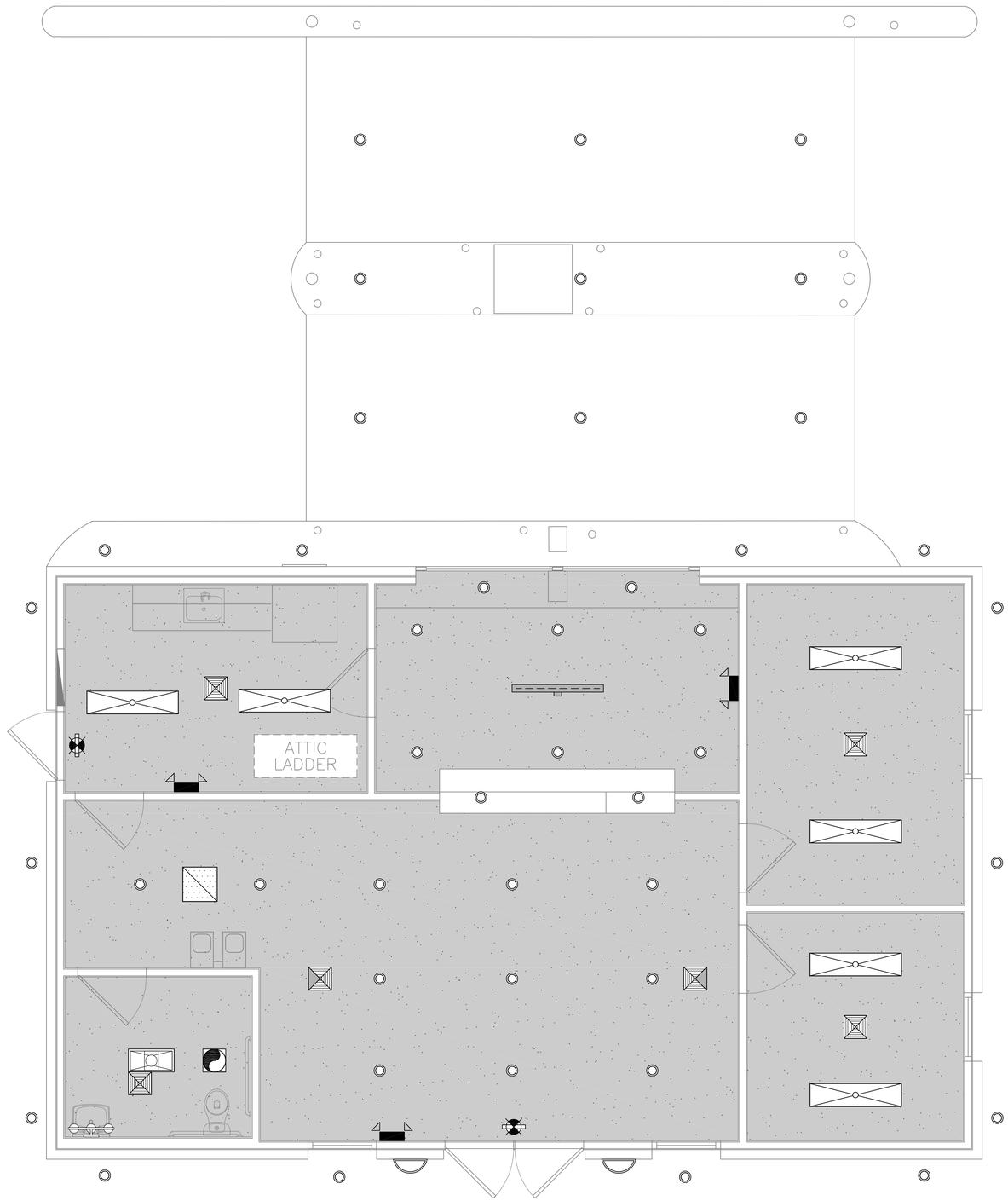
SHEET TITLE:
EXTERIOR ELEVATIONS

DRAWING NUMBER:
A102



21 FLOOR PLAN
SCALE: 3/8" = 1'-0"

REFLECTIVE CEILING LEGEND

- GYPSUM BOARD CEILING
- EMERGENCY LIGHT FIXTURE
- EXIT LIGHT FIXTURE - CEILING MOUNTED
- LED RESTROOM LIGHT FIXTURE.
- SCONCE LIGHTING FIXTURE
- 1X2 - LED LIGHT FIXTURE (RESTROOMS)
- 1X4 - 2 - FLUORESCENT OR LED; 5800 LUMENS.
- RECESSED CAN LIGHT
- EXHAUST FAN
- SUPPLY AIR GRILLE
- RETURN AIR GRILLE
- SLOT DIFFUSER

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SHEET TITLE:
FLOOR PLAN

DRAWING NUMBER:
A103

SHEET No: 12 of 17

TABLE S102.7 - HEADER SPANS FOR INTERIOR LOAD-BEARING WALLS

		DROPPED HEADER			RAISED HEADER		
		BUILDING WIDTH (ft)			BUILDING WIDTH (ft)		
		12	24	36	12	24	36
HEADERS SUPPORTING	SIZE	MAXIMUM HEADER SPAN			MAXIMUM HEADER SPAN		
ONE FLOOR ONLY (SINGLE CENTER BEARING WALL)	(2) 2x4	4'-0"	2'-10"	2'-4"	4'-1"	2'-10"	2'-4"
	(2) 2x6	5'-11"	4'-3"	3'-5"	6'-1"	4'-4"	3'-6"
	(2) 2x8	7'-1"	5'-2"	4'-4"	7'-9"	5'-5"	4'-5"
	(2) 2x10	7'-11"	6'-0"	5'-0"	9'-2"	6'-6"	5'-3"
	(2) 2x12	8'-6"	6'-7"	5'-7"	10'-9"	7'-7"	6'-3"
	(3) 2x8	8'-5"	6'-4"	5'-3"	9'-8"	6'-10"	5'-7"
	(3) 2x10	9'-3"	7'-1"9'-10"	6'-0"	11'-5"	8'-1"	6'-7"
	(3) 2x12	9'-11"	7'-8"	6'-7"	13'-6"	9'-6"	7'-9"
	(4) 2x8	9'-5"	7'-2"	6'-0"	11'-2"	7'-11"	6'-5"
	(4) 2x10	10'-3"	7'-11"	6'-9"	13'-3"	9'-4"	7'-8"
	(4) 2x12	11'-0"	8'-7"	7'-4"	15'-7"	11'-0"	9'-0"

TABLE S102.8 - HEADER SPANS FOR EXTERIOR LOAD-BEARING WALLS RESISTING WIND LOADS EXP "C"

SIZE	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH	195 MPH
(2) 2x4	5'-1"	4'-8"	4'-4"	4'-1"	3'-10"	3'-7"	3'-5"	3'-2"
(2) 2x6	6'-3"	5'-9"	5'-4"	5'-0"	4'-8"	4'-5"	4'-2"	3'-10"
(2) 2x8	6'-10"	6'-4"	5'-11"	5'-6"	5'-2"	4'-10"	4'-7"	4'-3"
(2) 2x10	7'-4"	6'-10"	6'-4"	5'-11"	5'-6"	5'-2"	4'-11"	4'-6"
(2) 2x12	7'-10"	7'-3"	6'-9"	6'-3"	5'-11"	5'-7"	5'-3"	4'-10"
(3) 2x8	8'-5"	7'-9"	7'-2"	6'-9"	6'-4"	5'-11"	5'-7"	5'-2"
(3) 2x10	9'-0"	8'-4"	7'-9"	7'-3"	6'-9"	6'-4"	6'-0"	5'-7"
(3) 2x12	9'-7"	8'-11"	8'-3"	7'-8"	7'-3"	6'-10"	6'-5"	5'-11"
(4) 2x8	9'-8"	9'-0"	8'-4"	7'-9"	7'-3"	6'-10"	6'-6"	6'-0"
(4) 2x10	10'-5"	9'-7"	8'-11"	8'-4"	7'-10"	7'-4"	6'-11"	6'-5"
(4) 2x12	11'-7"	11'-1"	10'-3"	9'-6"	8'-11"	8'-4"	7'-10"	6'-10"

TABLE S102.9 - SILL OR BOTTOM PLATE TO FOUNDATION CONNECTIONS RESISTING UPLIFT LOADS - 130 MPH WIND EXP "C"

BOTTOM PLATE TO FOUNDATION ANCHOR BOLT CONNECTION RESISTING	FOUNDATION SUPPORTING	MAXIMUM ANCHOR BOLT SPACING (INCHES)	
		8' END ZONES	INTERIOR ZONES
UPLIFT LOADS	1 - 3 STORIES	50 INCHES ON CENTER	58 INCHES ON CENTER

NOTE: A MINIMUM OF ONE ANCHOR BOLT SHALL BE PROVIDED WITHIN 6 TO 12 INCHES OF EACH END OF EACH PLATE

TABLE S102.10 - BOTTOM PLATE TO FOUNDATION CONNECTIONS (ANCHOR BOLTS) RESISTING LATERAL & SHEAR LOADS - EXP "C"

BOTTOM PLATE TO FOUNDATION ANCHOR BOLT CONNECTION RESISTING	FOUNDATION SUPPORTING	MAXIMUM ANCHOR BOLT SPACING (INCHES)	
		1/2" Φ ANCHOR BOLTS	5/8" Φ ANCHOR BOLTS
UPLIFT LOADS	1 STORY	31 INCHES ON CENTER	48 INCHES ON CENTER

TABLE S102.11 - FULL HEIGHT STUD REQUIREMENT FOR HEADERS OR WINDOW SILL PLATES IN EXTERIOR WALLS EXP "C"

	WALL STUD SPACING (INCHES)		
	12" O.C.	16" O.C.	24" O.C.
HEADER SPAN (FEET)	NUMBER OF FULL HEIGHT STUD REQUIRED AT EACH END OF THE HEADER		
2	1	1	1
4	2	2	1
6	3	3	2
8	4	3	2
10	5	4	3
12	6	5	3
14	7	6	4
16	8	6	4

TABLE S102.5 - JACK STUD REQ - INT LOADBEARING WALLS

HEADER SUPPORTING	HEADER SPAN (FT)	ROOF SPAN (FEET)											
		12 FEET				24 FEET				36 FEET			
		HEADER WIDTH											
		3"	4.5"	5"	6"	3"	4.5"	5"	6"	3"	4.5"	5"	6"
		NUMBER OF JACK STUDS REQUIRED AT EACH END OF THE HEADER											
ONE FLOOR ONLY (CENTER BEARING)	2	1	1	1	1	1	1	1	1	1	1	1	1
	4	1	1	1	1	1	1	1	1	1	1	1	1
	6	1	1	1	1	1	1	1	1	2	1	1	1
	8	1	1	1	1	2	1	1	1	2	2	2	1
	10	1	1	1	1	2	2	1	1	3	2	2	2
	12	1	1	1	1	2	2	2	1	3	2	2	2
	14	2	1	1	1	3	2	2	2	4	3	3	2
	16	2	1	1	1	3	2	2	2	4	3	3	2
TWO FLOORS (CENTER BEARING)	2	1	1	1	1	1	1	1	1	2	1	1	1
	4	1	1	1	1	2	1	1	1	3	2	2	2
	6	2	1	1	1	3	2	2	2	4	3	2	2
	8	2	2	1	1	3	2	2	2	5	3	3	3
	10	2	2	2	1	4	3	3	2	6	4	4	3
	12	3	2	2	2	5	3	3	3	7	5	4	4
	14	3	2	2	2	6	4	4	3	8	5	5	4
	16	4	3	2	2	6	4	4	3	9	6	6	5

HEADER WIDTH - 3" (2-2x), 4.5" (3-2x), 5", 6.5" (4-2x) EACH W/ 1/2" PLYWOOD SPACER BETWEEN

TABLE S102.6 - JACK STUD REQ - EXTERIOR LOADBEARING WALLS

HEADER SUPPORTING	HEADER SPAN (FT)	ROOF LIVE LOAD 20 PSF				GROUND SNOW LOAD 30 PSF			
		3"	4.5"	5"	6"	3"	4.5"	5"	6"
		NUMBER OF JACK STUDS REQUIRED							
ROOF AND CEILING	2	1	1	1	1	1	1	1	1
	4	1	1	1	1	1	1	1	1
	6	2	1	1	1	2	1	1	1
	8	2	2	2	1	2	2	2	1
	10	3	2	2	2	3	2	2	2
	12	3	2	2	2	3	2	2	2
	14	4	3	2	2	4	3	2	2
	16	4	3	3	2	4	3	3	2
ROOF, CEILING, AND ONE CENTER BEARING FLOOR	2	1	1	1	1	1	1	1	1
	4	2	1	1	1	2	1	1	1
	6	2	2	2	1	3	2	2	2
	8	3	2	2	2	3	2	2	2
	10	4	3	2	2	4	3	3	2
	12	4	3	3	2	5	3	3	3
	14	5	4	3	3	5	4	3	3
	16	6	4	4	3	6	4	4	3

HEADER WIDTH - 3" (2-2x), 4.5" (3-2x), 5", 6" (4-2x) EACH W/ 1/2" PLYWOOD SPACER BETWEEN

TABLE S102.3 -NAILING SCHEDULE

DESCRIPTION	NUMBER OF COMMON NAILS	NUMBER OF BOX NAILS	SPACING
WALL FRAMING			
TOP PLATE TO TOP PLATE (FACE NAILED)	2-16d	2-16d	PER FOOT
TOP PLATE AT INTERSECTION (FACE)	4-16d	5-16d	JOINTS - EACH SIDE
STUD TO STUD (FACE-NAILED)	2-16d	2-16d	24" o.c.
HEADER TO HEADER (FACE NAILED)	16d	16d	16" o.c. EDGES
TOP OR BOTTOM PLATE TO STUD (END)	SEE TABLE	SEE TABLE	PER STUD
BOTTOM PLATE TO FLOOR JOIST, BANDJOIST, END JOIST OR BLOCKING	2-16d	2-16d	PER FOOT
ROOF SHEATHING			
WOOD STRUCTURAL PANELS	8d	10d	SEE TABLE S102.1
DIAGONAL BOARD SHEATHING			
1"x6" OR 1"x8"	2-8d	2-10d	PER SUPPORT
1"x10" OR WIDER	3-8d	3-10d	PER SUPPORT

TABLE S102.4 - BUILDING ENVELOPE REQUIREMENTS

OPAQUE ELEMENTS		ASSEMBLY MAXIMUM	INSULATION MIN. R-VALUE
ROOFS	INSULATION ENTIRELY ABOVE DECK	U-0.048	R-20.0 c.i.
	METAL BUILDING	U-0.065	R-19
	ATTIC AND OTHER	U-0.027	R-38
WALLS, ABOVE GRADE	MASS	U-0.151 @	R-5.7 c.i. @
	METAL BUILDING	U-0.113	R-13.0
	STEEL-FRAMED	U-0.124	R-13.0
	WOOD-FRAMED AND OTHER	U-0.089	R-13.0
FLOORS	MASS	U-0.107	R6-3 c.i.
	STEEL JOIST	U-0.052	R-19.0
	WOOD FRAMED AND OTHER	U-0.051	R-19.0
SLAB-ON-GRADE	UN-HEATED	F-0.730	NR
OPAQUE DOORS	SWINGING	U-0.700	NR
	NON-SWINGING	U-1.450	NR

c.i. = CONTINUOUS INSULATION; NR = NO INSULATION REQUIREMENT
@ = EXCEPTION APPLIES

ROOF UNDERLAYMENT NOTES

1. FOR ROOF SLOPES FROM TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (17-PERCENT SLOPE), UP TO FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE), UNDERLAYMENT SHALL BE TWO LAYERS APPLIED IN THE FOLLOWING MANNER:
   a. APPLY A 19 INCH STRIP OF UNDERLAYMENT FELT PARALLEL WITH AND STARTING AT THE EAVES, FASTENED SUFFICIENTLY TO HOLD IN PLACE. STARTING AT THE EAVE, APPLY 36 INCH WIDE SHEETS OF UNDERLAYMENT, OVERLAPPING SUCCESSIVE SHEETS 19 INCHES, AND FASTENED SUFFICIENTLY TO HOLD IN PLACE.
2. FOR ROOF SLOPES OF FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE) OR GREATER, UNDERLAYMENT SHALL BE ONE LAYER APPLIED IN THE FOLLOWING MANNER:
   a. UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION, PARALLEL TO AND STARTING FROM THE EAVE AND LAPPED 2 INCHES, FASTENED SUFFICIENTLY TO HOLD IN PLACE. END LAPS SHALL BE OFFSET BY 6 FEET.

SHINGLE APPLICATION & FASTENING NOTES

1. ASPHALT STRIP SHINGLES SHALL HAVE A MINIMUM OF SIX FASTENERS PER SHINGLE WHERE THE ROOF IS IN ONE OF THE FOLLOWING CATEGORIES:
   a. THE BASIC WIND SPEED IS 110 MPH OR GREATER AND THE EAVE IS 20 FEET OR HIGHER ABOVE GRADE.
   b. THE BASIC WIND SPEED IS 120 MPH OR GREATER.
   c. SPECIAL WIND ZONES.

GENERAL UPLIFT CONNECTION NOTES

ROOF ASSEMBLY TO WALL ASSEMBLY:
UPLIFT CONNECTIONS SHALL BE FROM RAFTER OR TRUSS TO WALL STUD. WHEN RAFTERS OR TRUSSES ARE NOT LOCATED DIRECTLY ABOVE STUDS, RAFTERS SHALL BE ATTACHED TO THE WALL PLATE AND THE WALL TOP PLATE SHALL BE ATTACHED TO THE WALL STUD WITH UPLIFT CONNECTIONS. UPLIFT CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE S102.10.

WALL ASSEMBLY TO WALL ASSEMBLY:
STORY TO STORY UPLIFT CONNECTIONS FROM UPPER STORY WALL STUD TO LOWER STORY WALL STUD. WHEN UPPER STORY WALL STUDS ARE NOT LOCATED DIRECTLY ABOVE LOWER WALL STUDS, THE STUDS SHALL BE ATTACHED TO A COMMON MEMBER IN THE FLOOR ASSEMBLY BY UPLIFT CONNECTIONS. UPLIFT CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE S102.11.

WALL ASSEMBLY TO FOUNDATION:
FIRST FLOOR WALL STUDS SHALL BE CONNECTED TO THE FOUNDATION, SILL, PLATE, OR BOTTOM PLATE. A MINIMUM OF A 1-1/4" x 20 GA. ASTM A653 GRADE 33 STEEL STRAP SHALL BE NAILED TO THE WALL STUDS AND HAVE A MINIMUM EMBEDMENT OF 7 INCHES IN CONCRETE FOUNDATIONS AND SLABS-ON-GRADE, 15 INCHES IN MASONRY BLOCK FOUNDATIONS, OR BE LAPPED UNDER THE BOTTOM PLATE, 3 INCH SQUARE WASHERS SHALL BE USED ON THE ANCHOR BOLTS AND ANCHOR BOLT SPACINGS SHALL NOT EXCEED THE REQUIREMENTS. STEEL STRAPS EMBEDDED IN OR IN CONTACT WITH SLAB-ON-GRADE OR MASONRY BLOCK FOUNDATIONS SHALL BE HOT-DIPPED GALV. AFTER FABRICATION, OR MANUF. FROM G185 OR Z450 GALV. STL. CONNECTIONS SHALL BE IN ACCORDANCE WITH TABLE S102.12.

TABLE S102.1 - ROOF SHEATHING OR CLADDING REQUIREMENT - 130 MPH WIND LOAD EXP "C"

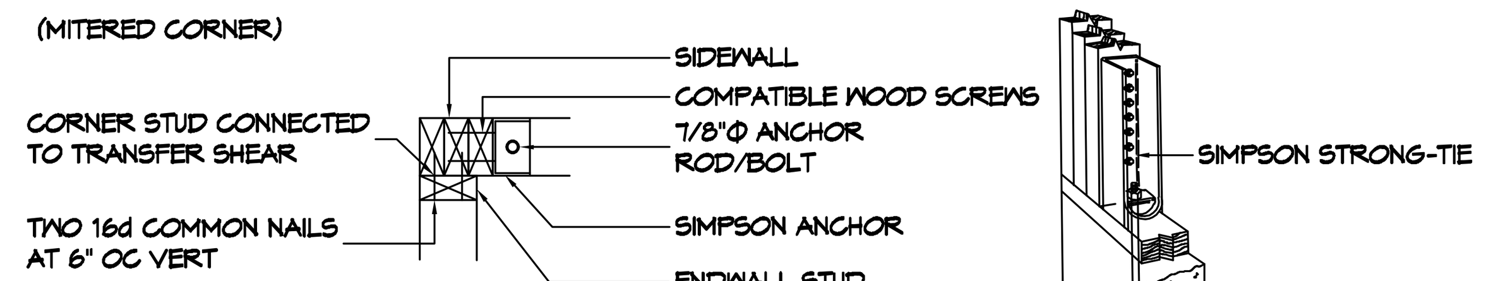
SHEATHING LOCATION	RAFTER / TRUSS SPACING	E	F
		MAX NAIL SPACING FOR 8d COMMON NAILS OR 10d BOX NAILS (INCHES OC)	
INTERIOR ZONE	12" OC	6	12
	16" OC	6	12
	24" OC	6	12
PERIMETER EDGE ZONE	12" OC	6	12
	16" OC	6	12
	24" OC	6	6

110 MPH WIND - EXPOSURE "C" TYPICAL
E = NAIL SPACING AT PANEL EDGES, INCHES.
F = NAIL SPACING AT INTERMEDIATE SUPPORTS IN THE PANEL FIELD, INCHES.

TABLE S102.2 - WALL SHEATHING OR CLADDING REQUIREMENT - 130 MPH WIND LOAD EXP "C"

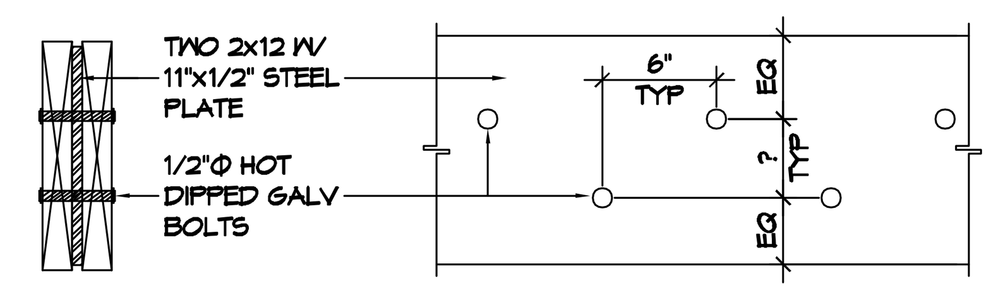
SHEATHING LOCATION	STUD SPACING	E	F
		MAX NAIL SPACING FOR 8d COMMON NAILS OR 10d BOX NAILS (INCHES OC)	
INTERIOR ZONE	12" OC	6	12
	16" OC	6	12
	24" OC	6	12
PERIMETER EDGE ZONE	12" OC	6	12
	16" OC	6	12
	24" OC	6	12

110 MPH WIND - EXPOSURE "C" TYPICAL
E = NAIL SPACING AT PANEL EDGES, INCHES.
F = NAIL SPACING AT INTERMEDIATE SUPPORTS IN THE PANEL FIELD, INCHES.



NOTE: HOLDDOWNS ARE REQUIRED AT THE END OF EACH SEGMENTED SHEARWALL SEGMENT OR AT THE EACH END OF A PERFORATED SHEARWALL. WHEN FULL HEIGHT SHEARWALL SEGMENTS MEET AT A CORNER, A SINGLE HOLDDOWN SHALL BE PERMITTED TO BE USED TO RESIST THE OVERTURNING FORCES IN BOTH DIRECTIONS WHEN THE CORNER FRAMING IN THE ADJOINING WALLS IS FASTENED TOGETHER TO TRANSFER THE UPLIFT LOAD.

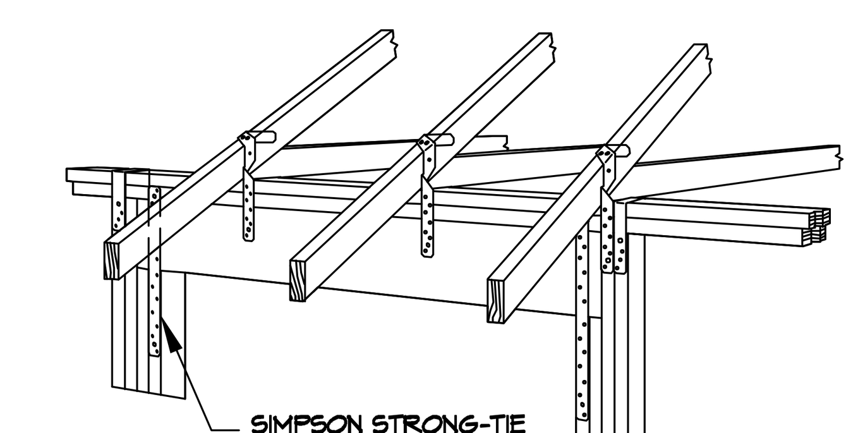
(P) CORNER HOLDDOWN



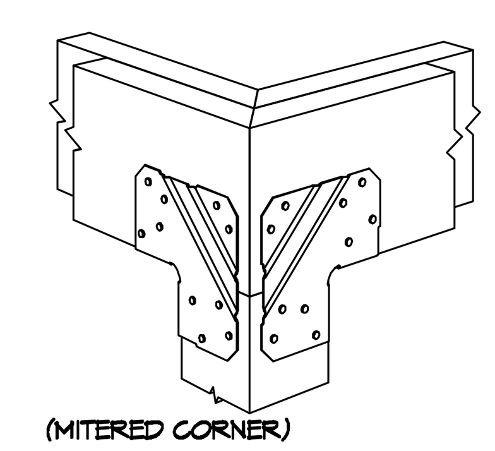
SECTION ELEVATION

(N) FLITCH BEAM

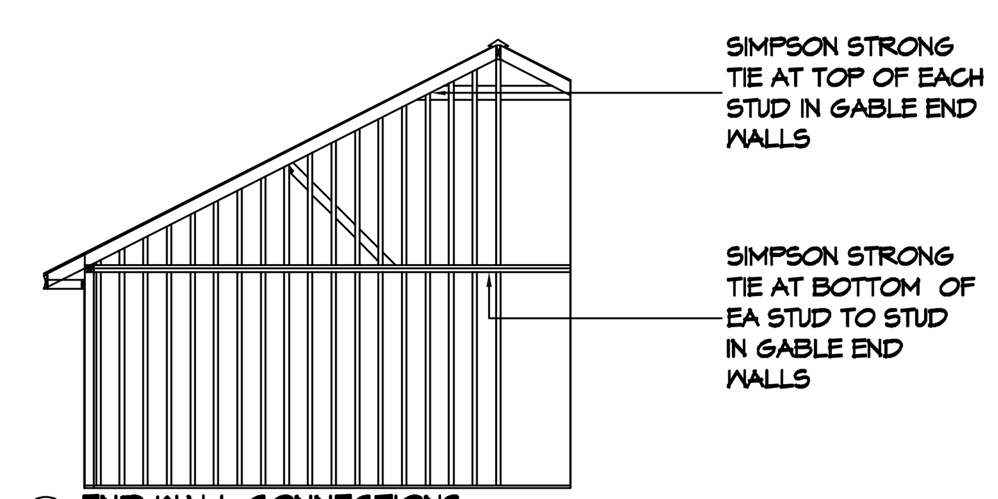
(J) SIMPSON MSTAM36



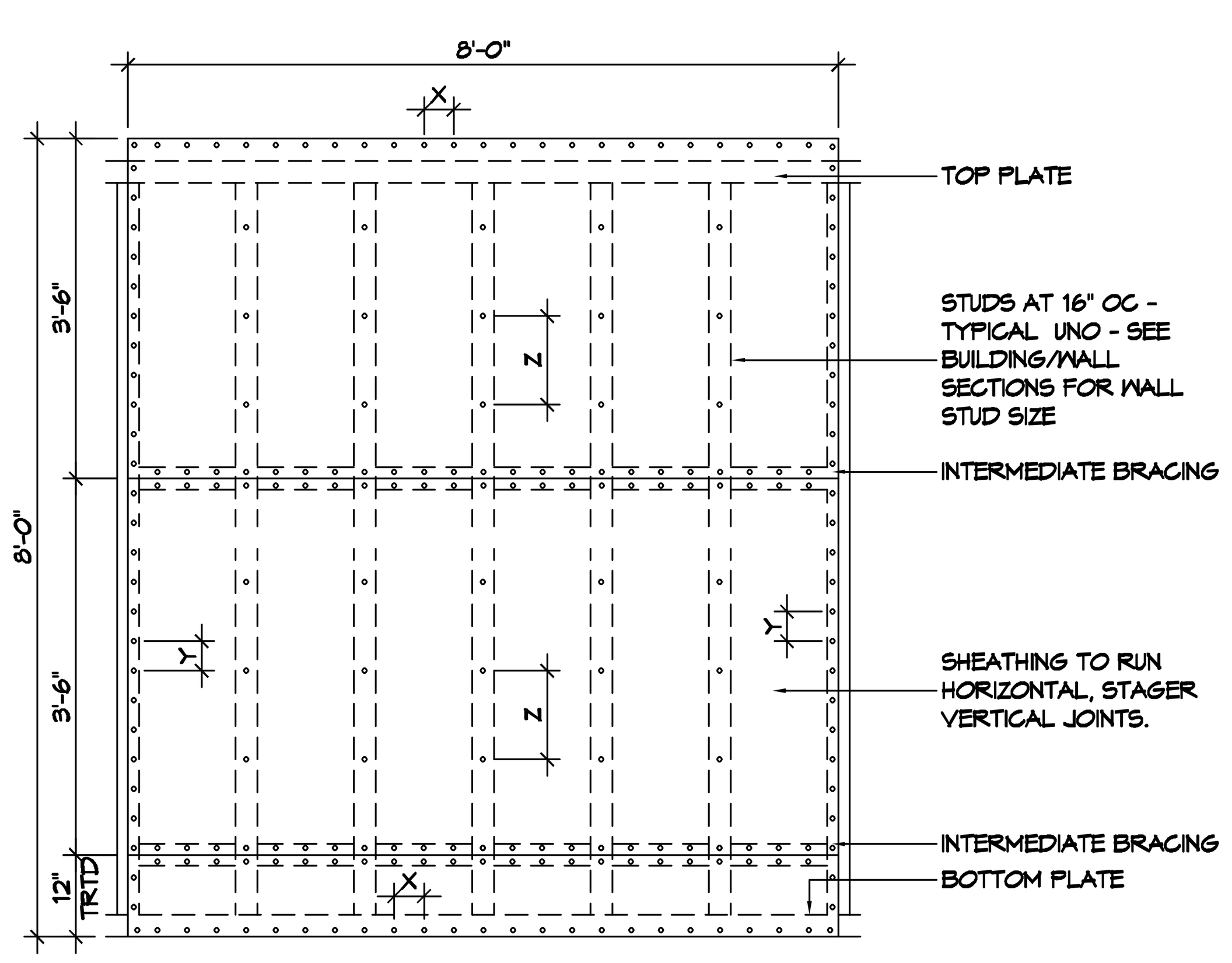
(M) RAFTER, TOP PLATE & OPENING CONNECTIONS



(L) POST TO BEAM



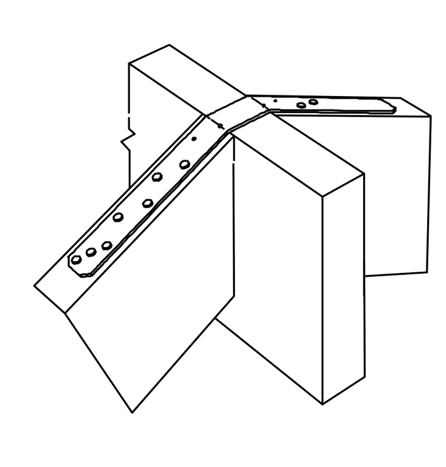
(K) END WALL CONNECTIONS



NAIL SPACING
X = 4" OC
Y = 4" OC
Z = 12" OC

X = PLATE EDGE NAIL SPACING
Y = LONG EDGE NAIL SPACING
Z = FIELD NAIL SPACING

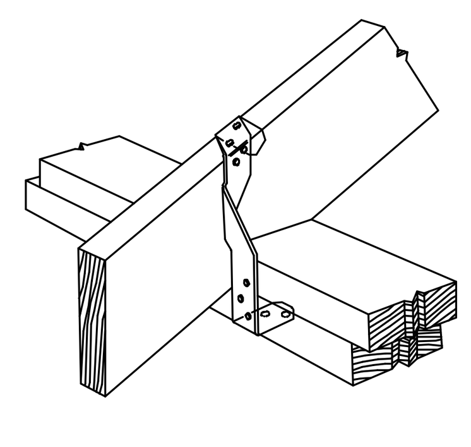
(H) SHEAR WALL EXTERIOR SHEATHING NAILING PATTERN



SIMPSON STRONG-TIE

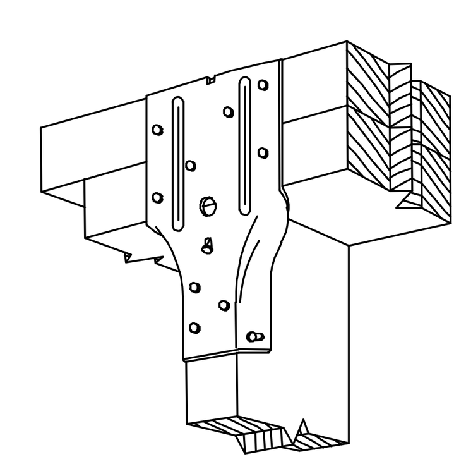
AT ALL RIDGE CONNECTIONS

(G) RIDGE BEAM/BOARD



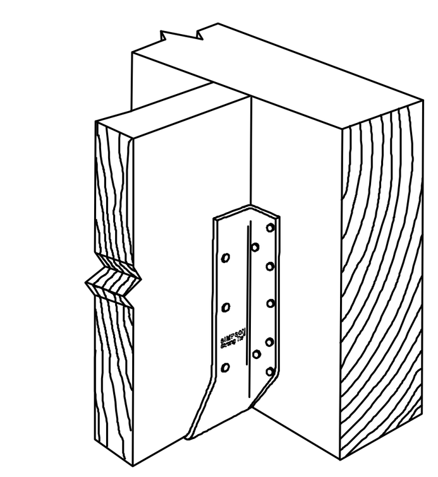
SIMPSON STRONG-TIE

(F) TOP PLATE TO RAFTER



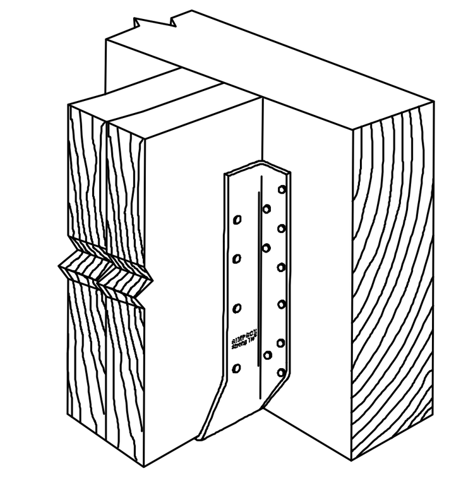
SIMPSON STRONG-TIE

(E) STUD TO TOP PLATE



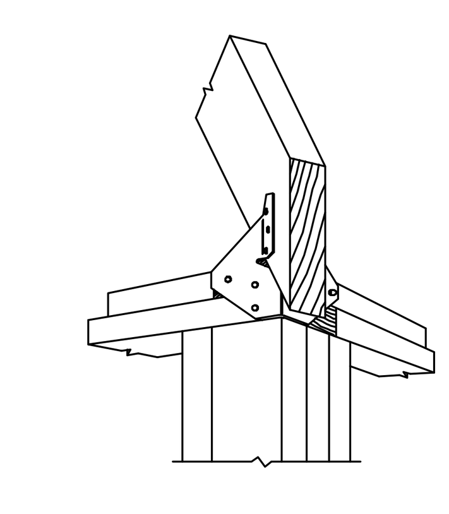
SIMPSON STRONG-TIE

(D) FLOOR JOIST



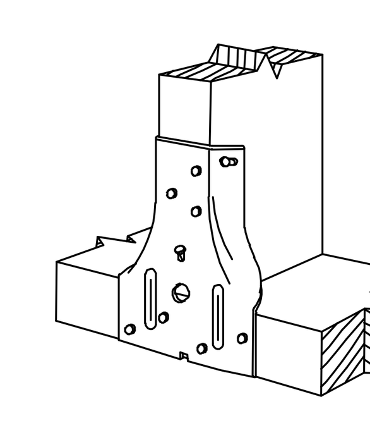
SIMPSON STRONG-TIE

(C) DBL FLOOR JOIST



SIMPSON STRONG-TIE

(B) HIP RAFTER



SIMPSON STRONG-TIE

(A) STUD TO SILL PLATE

TYPICAL CONNECTION DETAILS

SCALE: NTS

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#	DESCRIPTION	DATE
REVISIONS		

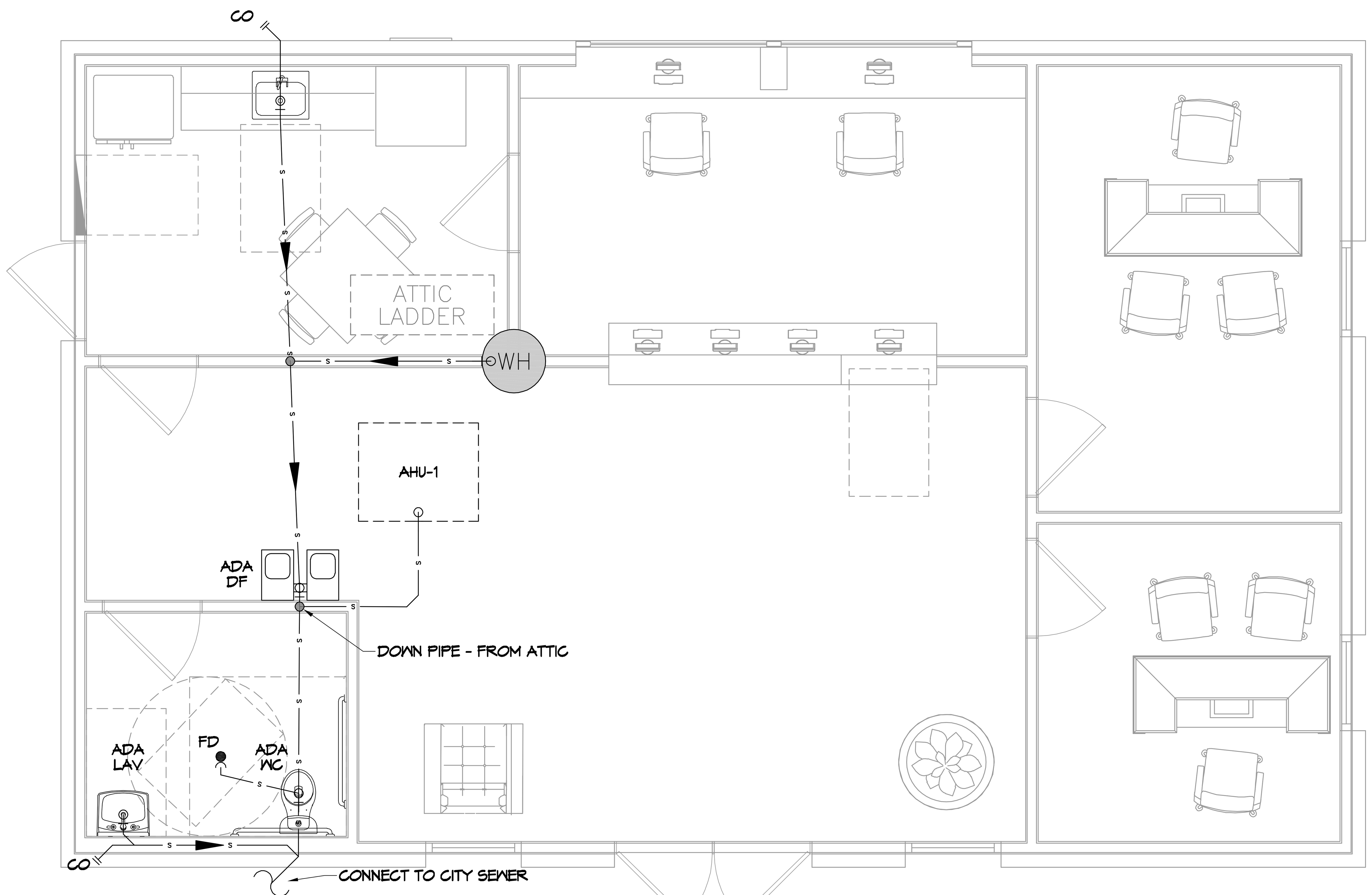
SEAL:

NEW OFFICE BUILDING
ST. TAMMANY FEDERAL CREDIT UNION
21469 KOOP DRIVE
MANDEVILLE, LA.

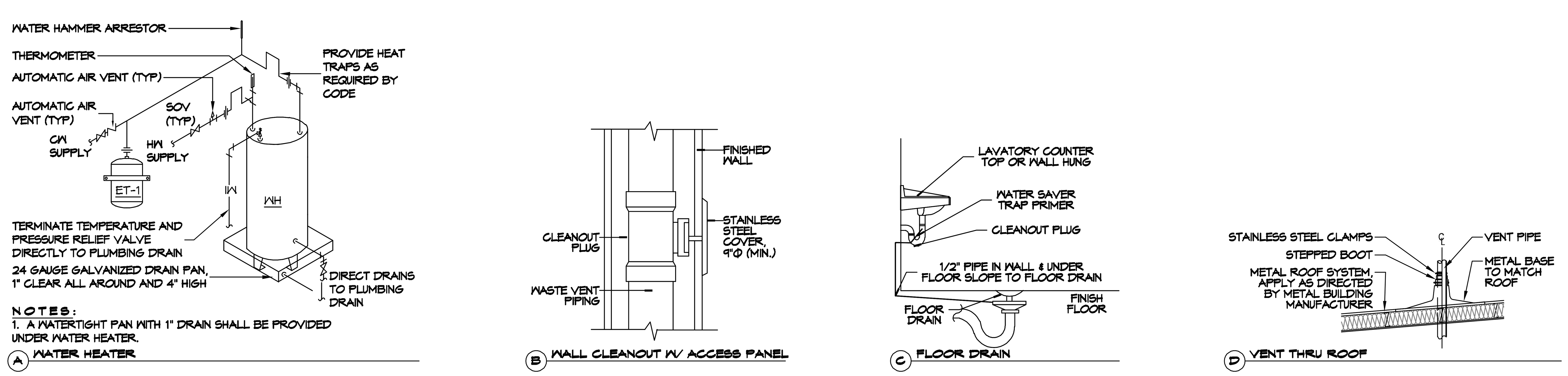
JOB No:	2022	DATE:	04-28-2022
DRAWN BY:	DD/KJK	CHECKED BY:	JMS

SHEET TITLE:
TYPICAL CONNECTION DETAILS, SCHEDULES, AND NOTES

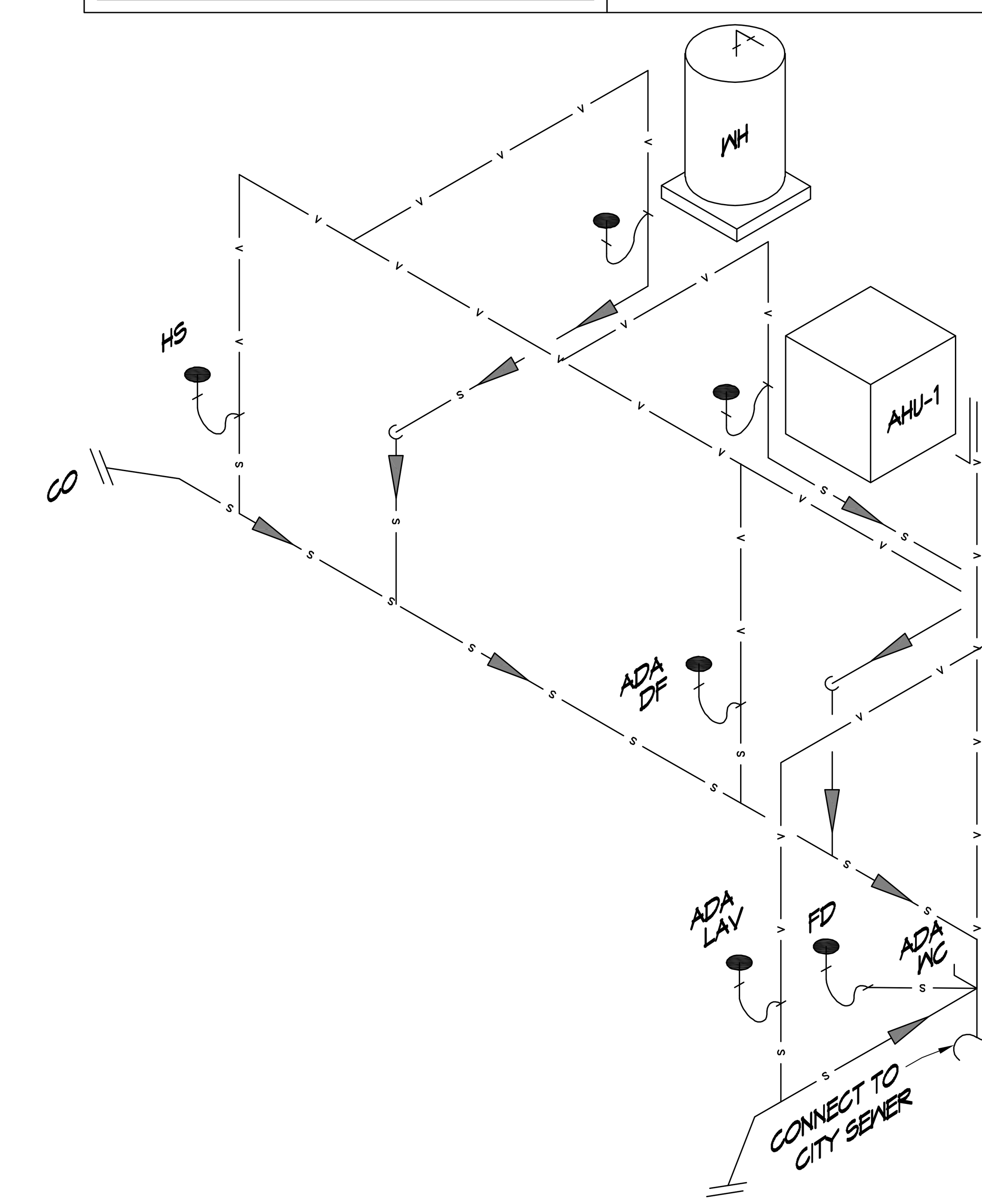
DRAWING NUMBER:
A104



22 PLUMBING PLAN
SCALE: 3/8" = 1'-0"



PLUMBING DETAILS
SCALE: NTS



23 RISER DIAGRAM
SCALE: NTS

GENERAL PLUMBING NOTES

1. PLUMBING LINES SHOWN ARE DRAWN DIAGRAMMATIC IN NATURE AND REPRESENT CONCEPTUAL ROUTING ONLY. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL ACTUAL CONDITIONS.
2. PROVIDE ALL LABOR, MATERIAL, TRANSPORTATION, SUPERVISION, CLEAN-UP, SERVICES, AND EQUIPMENT FOR A COMPLETE OPERATING SYSTEM. THE SYSTEM SHALL INCLUDE HOT AND COLD WATER PIPING, SEWER AND VENT PIPING, INSULATION, WATER HEATER, HANGERS, VALVES, SUPPORTS WITHOUT ANY RESTRICTIONS TO VOLUME. CUT AND PATCH AS REQUIRED TO INSTALL PIPES.
3. ALL WORK AND MATERIAL SHALL CONFORM STRICTLY TO THE LATEST LOCAL CITY, PARISH, STATE AND NATIONAL GOVERNING CODES. MUST MEET LA STATE PLUMBING CODE 2013 REQUIREMENTS.
4. CONTRACTOR IS TO FIELD VERIFY ALL EXISTING UTILITY LOCATIONS, ELEVATIONS AND SIZES PRIOR TO COMMENCING ANY WORK. CONTRACTOR SHALL PAY NECESSARY FEES FOR THE UTILITIES CONNECTIONS.
5. CONTRACTOR IS RESPONSIBLE TO VERIFY THE EXISTING INVERTS AND SET NEW INVERTS OF SEWERAGE AND DRAINAGE PIPES.
6. SEWERAGE LINES 3-INCH AND SMALLER SHALL BE SLOPED 1/4" PER FOOT AND LINES 4-INCH AND LARGER SHALL BE 1/8" PER FOOT.
7. TEST ALL PIPING AT REQUIRED PRESSURE.
8. ALL PLUMBING SHALL BE CLOSELY COORDINATED WITH STRUCTURAL, MECHANICAL SYSTEM AND ELECTRICAL SYSTEMS TO INSURE NO TRADES WILL CONFLICT WITH EACH OTHER.
9. DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF DOORS, WINDOWS, WALLS, FIXTURES, ETC.
10. ALL WATER MAINS AND PIPING NOT SHOWN FOR CLARITY, ALL LOCATIONS FIELD VERIFIED.
11. DOMESTIC HOT AND COLD WATER PIPING AND FITTINGS UNDER SLAB SHALL BE ASTM B88 COPPER WATER TUBE, TYPE K, SOFT ANNEALED. NO JOINTS SHALL BE ALLOWED UNDER THE SLAB.
12. DOMESTIC WATER PIPING AND FITTINGS ABOVE THE SLAB SHALL BE ASTM B88 COPPER WATERTUBE, TYPE L. HARD DRAWN WITH COPPER PRESSURE TYPE FITTINGS, ANSI B16.22. THE JOINTS SHALL BE SOLDERED TYPE USING ASTM B32, ALLOY GRADE 95A (95-5) SOLDER.
13. SOIL, WASTE, VENT PIPING AND FITTINGS ABOVE THE SLAB SHALL BE SERVICE WEIGHT CAST IRON PIPE WITH BELL AND SPIGOT ENDS AND ONE PIECE NEOPRENE INSERT TYPE GASKET. USE PVC SCHEDULE 40 OR ABS DWV PIPES AND FITTINGS WHERE PERMITTED BY CODE.
14. ALL WATER PIPING AND FITTINGS ABOVE THE FLOOR SHALL BE INSULATED WITH 1/2" THICK FIBERGLASS INSULATION AND JACKET.
15. ALL ELECTRICAL, MECHANICAL AND PLUMBING ELEMENTS PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)
16. SEE ROOF PLAN FOR PLUMBING ROOF PENETRATIONS. ROUTE VENT PIPES IN ATTIC AS NECESSARY.
17. ALL VENTS THROUGH ROOF (VTR) SHALL BE LOCATED A MINIMUM OF 10'-0"FROM ANY MECHANICAL OR NATURAL AIR INTAKE.

PLUMBING FIXTURE SCHEDULE

MARK	DESCRIPTION	TYPE	ROUGH - IN - SIZE				NOTES
			WASTE	VENT	COLD	HOT	
WC	WATER CLOSET	VALVE	4"	3"	1-1/2"	-	3
LAV	LAVATORY	WALL HUNG	2"	2"	3/4"	3/4"	1,2,3
FD	FLOOR DRAIN	-	3"	2"	-	-	4
DF	DRINKING FOUNRIAN	-	2"	1-1/2"	3/4"	-	1
HS	HAND SINK	-	3"	2"	3/4"	3/4"	1,2,3
WH	WATER HEATER	-	3/4"	2"	3/4"	3/4"	-
AHU	AIR HANDLER DRAIN	-	3/4"	2"	-	-	-

NOTES:
1. INSULATE PIPING FOR HANDICAP FIXTURE.
2. PROVIDE CHAIR CARRIER FOR WALL HUNG FIXTURE.
3. HANDICAP FIXTURE
4. INSTALL CONTINUOUS DRIP VALVE ON ALL FLOOR DRAINS.

NOTE:
ALL SANITARY SEWER ARE DIAGRAMMATICALLY DRAWN FOR CLARITY.

ABBREVIATIONS

CO - CLEAN OUT
VTR - VENT THRU ROOF

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REVISIONS
#	DESCRIPTION	DATE

SEAL:
STATE OF LOUISIANA
BRIAN A. MISTICH
License No. 30187
PROFESSIONAL ENGINEER

NEW OFFICE BUILDING
ST. TAMMANY FEDERAL CREDIT UNION
21469 KOOP DRIVE
MANDEVILLE, LA.

JOB No:	2022	DATE:	04-28-2022
DRAWN BY:	RLD	CHECKED BY:	BAM

SHEET TITLE:
PLUMBING PLAN AND PLUMBING RISER DIAGRAM

DRAWING NUMBER:
P101

SPLIT SYSTEM AIR CONDITIONING SCHEDULE

AIR HANDLER															HEAT PUMP						
TAG	TRANE MODEL NO.	NOMINAL TONS	TOTAL CFM	OA CFM	COOLING		Motor HP	ESP (" WC)	HEAT	POWER				TAG	TRANE MODEL NO.	POWER				REMARKS
					TMBH	SMBH			KW	VAC	PH	MCA	MAX BRKR			VAC	PH	MCA	MAX BRKR	
AHU-1	TEM6A0D48	4	1400	140	42.2	33.3	3/4	0.4	3.6	208	1	17.3	30	HP-1	4TWA6048A1	208	1	18	30	1, 2, 3, 4

NOTES:
1. Cooling capacities to be rated in accordance with AHRI standard 210/290 for ASHRAE standard design weather conditions in New Orleans, LA.
2. Provide crankcase heat, time delay relay, condensate overflow switch & programmable 7/24 thermostat with lockable cover.
3. Install units in accordance with manufacturer's recommendations.
4. Provide new filters after commissioning and final acceptance.

DIFFUSER SCHEDULE

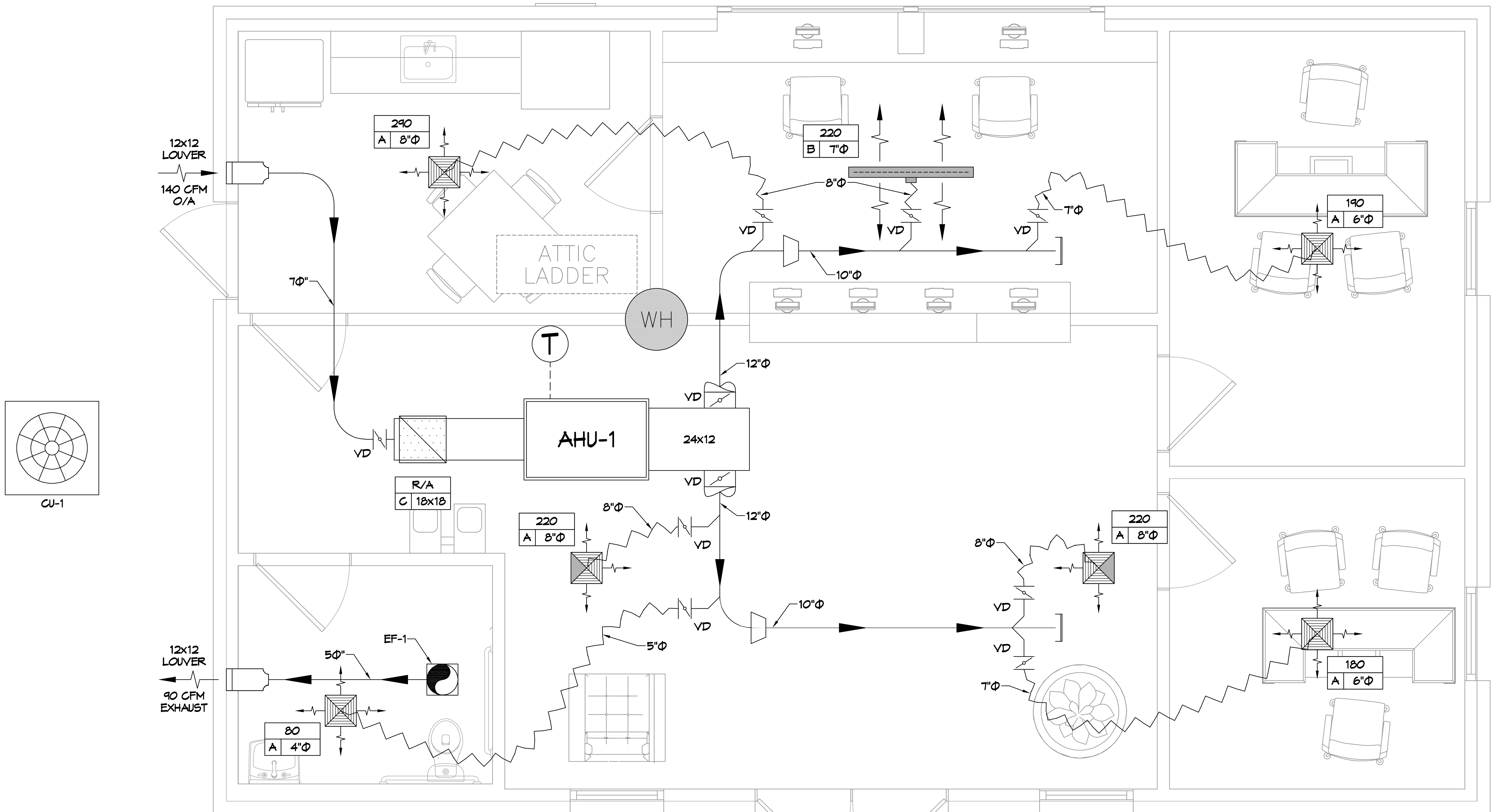
TAG	SERVICE	NECK SIZE	DESCRIPTION
A	Supply Air	Ref. Plan	12"x 12" Adjustable Square Cone Diffuser, Price ASCDA w/ Insulated Back Panel
B	Supply Air	Ref. Plan	48" Linear Slot w/ 2 -1/2" Slots, Price SDS w/ SDA Plenum
C	Return Air	Ref. Plan	24" X 24" Perforated, Ducted Return, Titus PAR

Notes:
1. Seal around perimeter of diffusers/grilles to prevent moisture migration from attic space
2. Coordinate with owner / architect for color and finish
3. R value of insulated back panels to exceed R-6

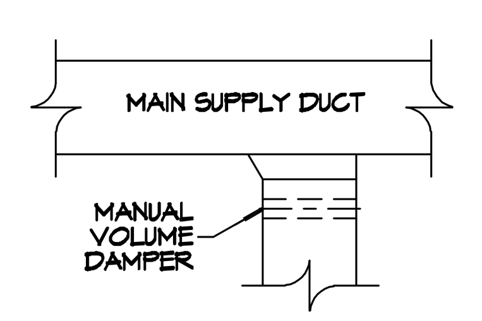
Exhaust Fan Schedule

Tag	Fan				Power			Make / Model	Remarks
	Airflow (CFM)	TSP (" wc)	Watts	RPM	Volts	Phase	Hz		
EF-1	90	0.2	72	2250	120	1	60	Air King BFQ110	1, 2

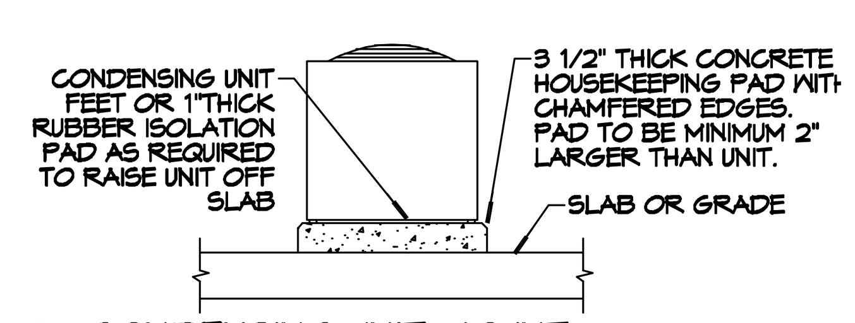
1. Install per Manufacturer's recommendations.
2. Furnish with speed control and backdraft damper.



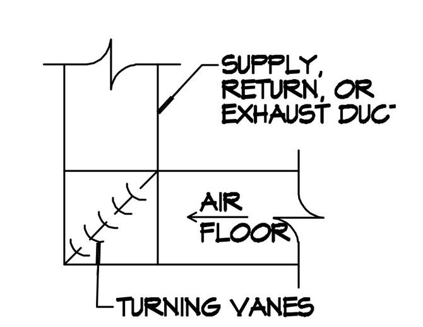
24 MECHANICAL PLAN
SCALE: 1/2"= 1'-0"



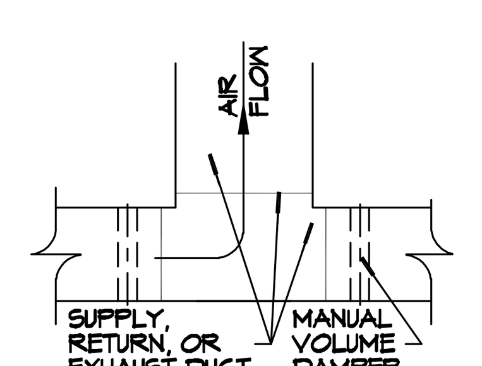
A SQUARE ELBOW DET



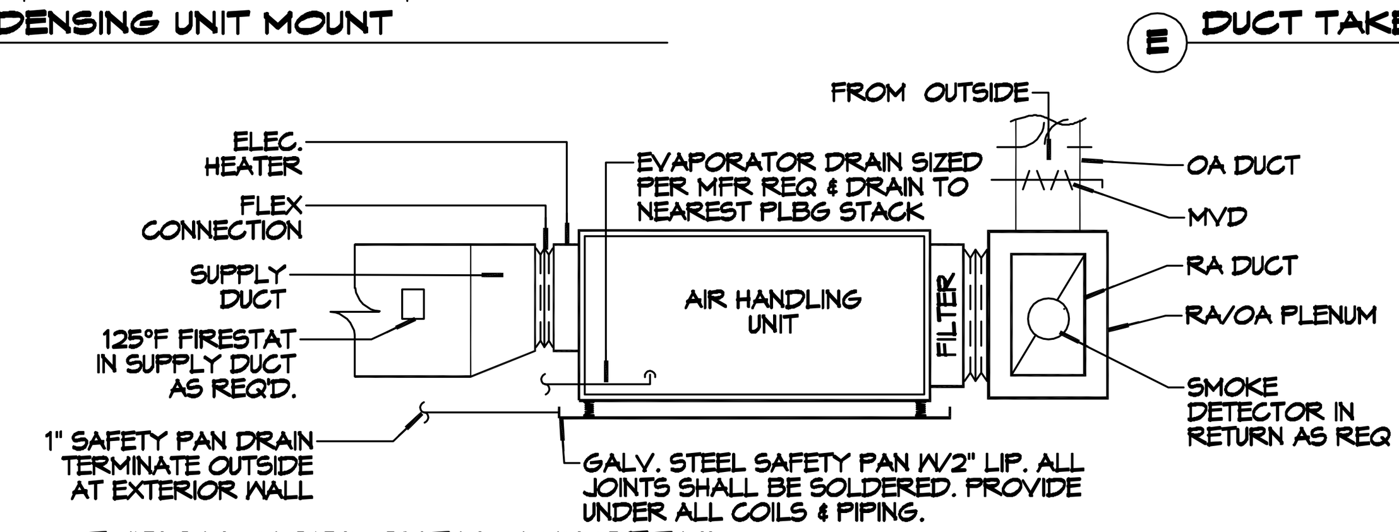
C CONDENSING UNIT MOUNT



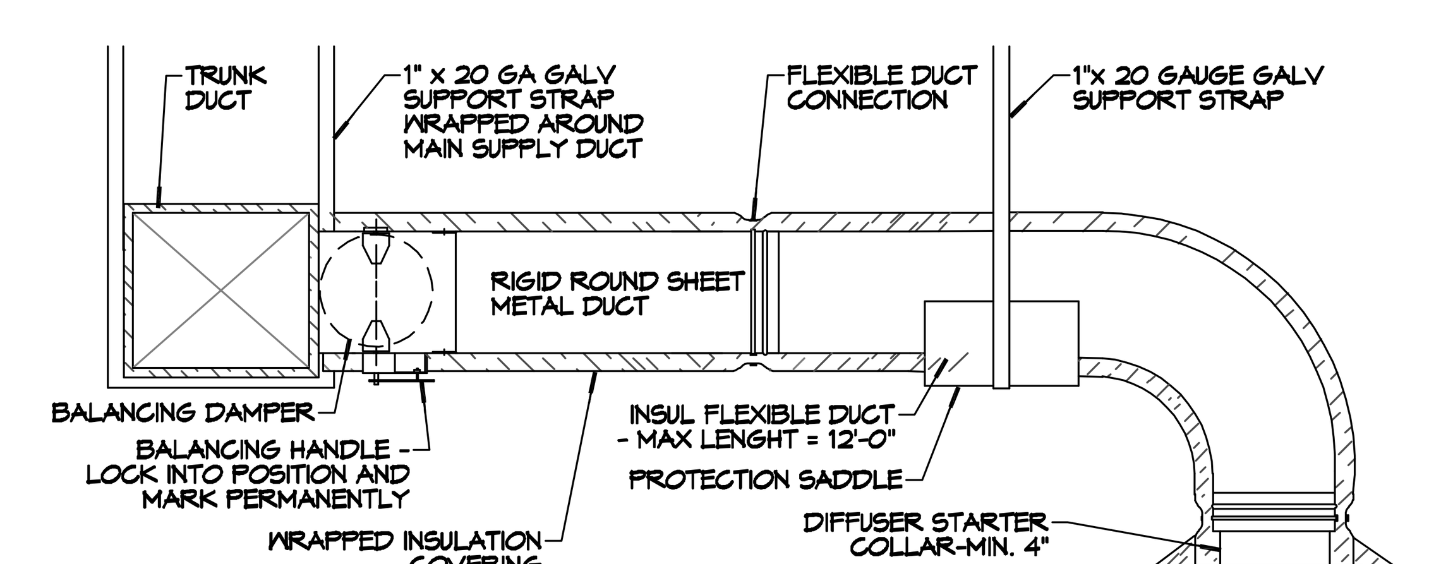
E DUCT TAKE-OFF DET



B DUCT SPLITTER DET



D TYPICAL HORIZONTAL AHU DETAIL



NOTES:
1. PROVIDE AT FLEXIBLE DUCT CONNECTION "PANDUIT" DRAWBAND ON THE INTERIOR FLEXIBLE DUCT HELIX.
2. PROVIDE MINIMUM 4" COLLARS FOR ATTACHMENT OF THE FLEXIBLE DUCT TO THE ROUND DUCT, DAMPERS, AND DIFFUSERS.
3. BAND RIGID ROUND DUCT INSULATION TO DUCT AND PROVIDE TAPE FOR INSULATION OVERLAP.

F DIFFUSER CONNECTION DETAIL - FLEX DUCT

TYPICAL DETAILS
SCALE:

GENERAL HVAC NOTES

1. CONCEALED DUCTWORK TO BE GALVANIZED SHEET METAL WRAPED WITH FIBROUS GLASS DUCT WRAP WITH FSK VAPOR BARRIER, MIN R-6. INSTALLED PER SMACNA STANDARDS. DUCT WORK IMMEDIATELY DOWNSTREAM FROM RTU SHALL BE LINED FOR SOUND ATTENUATION.
2. EXPOSED DUCTWORK TO BE GALVANIZED SHEET METAL LINED WITH FIBROUS GLASS DUCT LINER, MIN R-6. INSTALLED PER SMACNA STANDARDS.
3. ROUND FLEXIBLE DUCT TO BE UL-181, CLASS 1, AIR DUCT MATERIALS.
4. DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
5. IN ALL SYSTEMS OVER 2000 CFM AND LESS THAN 15,000 CFM, SMOKE DETECTORS SHALL BE INSTALLED IN ACCORDANCE WITH NFPA 72E IN THE RETURN DUCT DOWNSTREAM OF THE AIR HANDLING UNIT AND ALL FILTERS TO AUTOMATICALLY STOP THE FAN.
6. PROVIDE UL LISTED 125 'F' FIRESTAT IN RETURN AIR OF EACH SYSTEM UNDER 2000 CFM TO SHUT DOWN THE FAN IN THE EVENT OF FIRE.
7. PROVIDE UL RATED FIRE DAMPERS WHERE REQUIRED AT ALL DUCT PENETRATIONS OF FIRE-RATED ASSEMBLIES AND WHERE REQUIRED BY CODE, INCLUDING OUTSIDE AIR INTAKES AND EXHAUST FANS.
8. CONDENSATE DRAINS TO BE PVC PIPE RUN TO PLUMBERS P-TRAP WITHIN FIVE FEET OF AIR HANDLING UNITS.
9. ALL AIR HANDLING SYSTEMS TO BE BALANCED TO ASSURE PROPER AIR FLOWS PER PLANS.
10. ALL THERMOSTATS TO BE AUTOMATIC CHANGEOVER WITH HEAT SWITCH.
11. EXHAUST FAN SHALL BE CONTROLLED BY A SWITCH ON THE WALL IN THE SAME LOCATION AS LIGHT SWITCH(S). PROVIDE BACK DRAFT DAMPER.
12. PROVIDE AND INSTALL WATER PROOF GRILLE VENT IN PROPER ROOF LOCATION FOR PLUMBING FIXTURE EXHAUST.
13. ALL SUPPLY AIR VENTS SHALL BE EQUIPPED WITH AIR CONTROL DAMPERS AT THE REGISTER.
14. LOCATE OUTDOOR UNITS AS SHOWN ON ARCHITECTURAL DRAWINGS.
15. REFRIGERANT LINES SHALL BE SIZED BY UNIT MANUFACTURER AND INSTALLED ACCORDING TO MANUFACTURER'S INSTRUCTIONS.
16. FRESH AIR SHALL BE SUPPLIED TO EACH AIR HANDLER THROUGH EXTERIOR WALL DUCT SUPPLIED WITH A CONTROL DAMPER.
17. ALL ELECTRICAL, MECHANICAL, AND PLUMBING PENETRATING FIRE WALLS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E8-14).
18. ALL MECHANICAL SYMBOLS ARE DRAWN DIAGRAMMATICALLY, CONTRACTOR TO VERIFY WITH OWNER LOCATIONS OF VENTS, DAMPERS, REGISTERS, ETC.
19. FLEXIBLE DUCTWORK LENGTH NOT TO EXCEED 16'-0".
20. REFER TO REFLECTED CEILING PLAN FOR FINAL GRILLE AND DIFFUSER LOCATIONS AND COORDINATE AS REQUIRED.
21. FINAL LOCATION OF TEMPERATURE CONTROLS TO BE COORDINATED WITH OWNER AT JOB SITE.
22. PROVIDE AND INSTALL SMOKE DETECTORS AS APPROVED BY LOCAL AHJ'S. PLACE NEAR R/A AND S/A OPENINGS OF AHU AND PROVIDE, WITH ACCESS PANEL, WIRING BY ELECTRICAL CONTRACTOR.
23. FRESH AIR INTAKES ARE REQUIRED TO HAVE MOTORIZED OR GRAVITY DAMPERS TO SHUT OFF WHEN SYSTEM IS NOT RUNNING.
24. PROVIDE BIRD SCREENS AT ALL EXTERIOR MECHANICAL PENETRATIONS.
25. COORDINATE WALL MOUNTED THERMOSTAT LOCATIONS WITH ALL OWNER FURNISHED ITEMS EITHER WALL MOUNTED OR FLOOR MOUNTED AGAINST PARTITIONS. REFER TO ARCHITECTURAL DRAWINGS.
26. SEE ROOF PLAN FOR ALL ROOF PENETRATIONS.
27. PROVIDE MIN 18 GA GALVANIZED SHEET METAL TO BLANK-OFF GABLE VENTS WHERE INTAKE/EXHAUST DUCTS OCCUR.

HVAC LEGEND

- SUPPLY AIR GRILLE
- RETURN AIR GRILLE
- SLOT DIFFUSER
- VD — DAMPER CONTROL
- T — THERMOSTAT

ROUND FLEX DUCT, MAX. LENGTH 12'-0", MIN. R-6. DUCT SIZE AS FOLLOWS:
250 CFM TO 350 CFM = 9"
200 CFM TO 250 CFM = 8"
150 CFM TO 200 CFM = 7"
100 CFM TO 150 CFM = 6

CFM	
MK	SIZE

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#	DESCRIPTION	REVISIONS	DATE

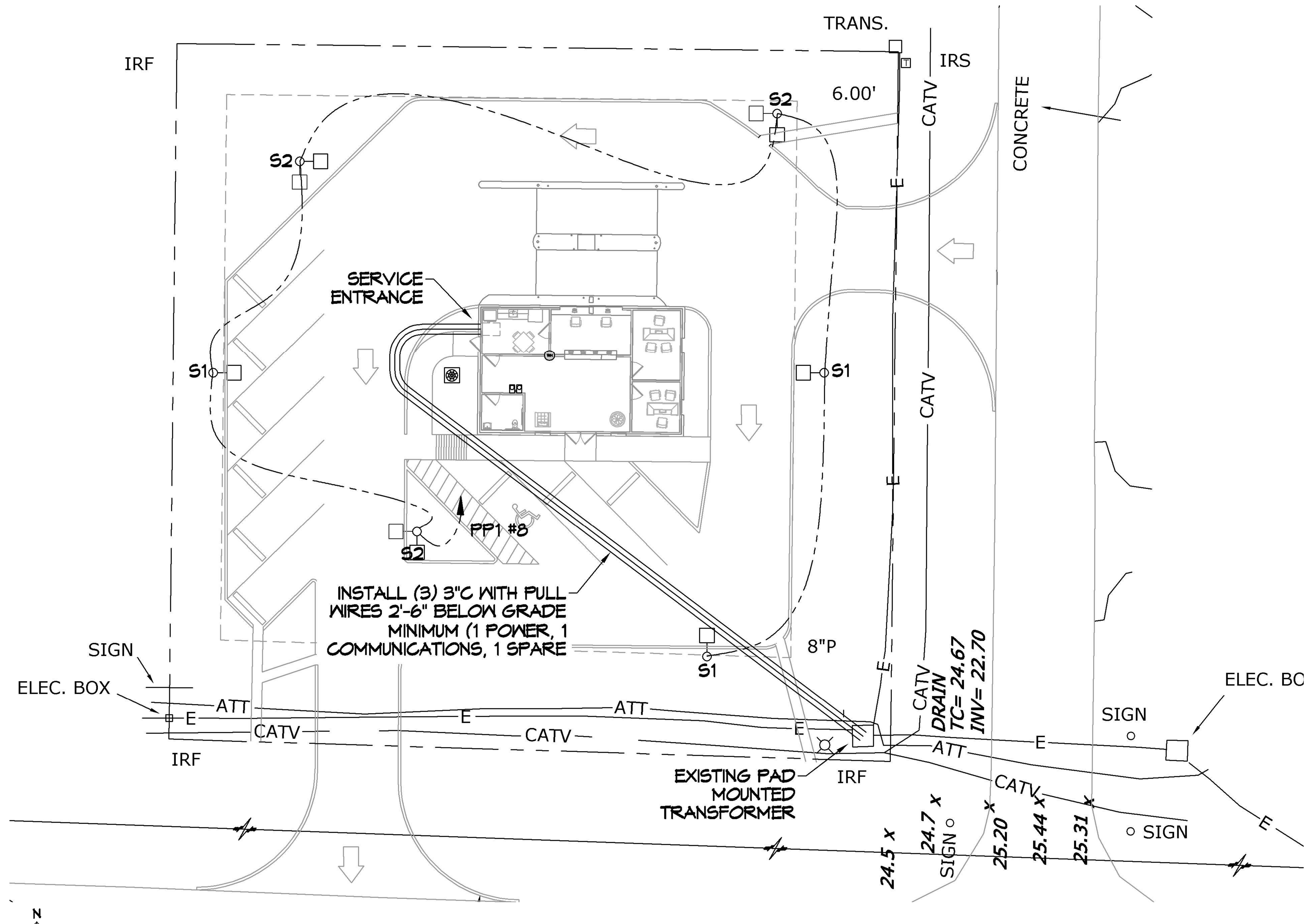
SEAL:
STATE OF LOUISIANA BRIAN A. MISTICH License No. 30187 PROFESSIONAL ENGINEER
BAM

NEW OFFICE BUILDING
ST. TAMMANY FEDERAL CREDIT UNION
21469 KOOP DRIVE
MANDEVILLE, LA.

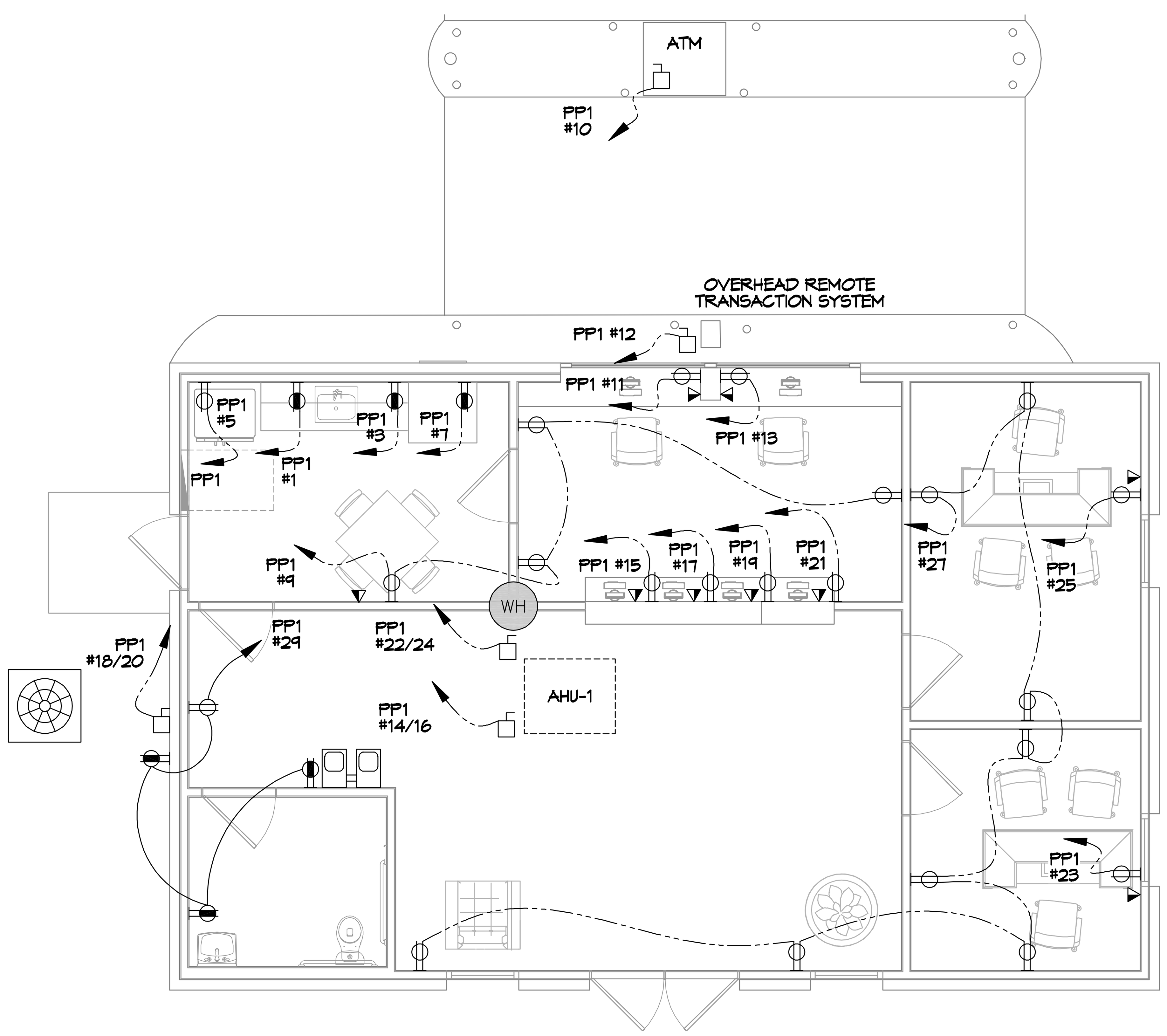
JOB No:	2022	DATE:	04-28-2022
DRAWN BY:	JAGMW	CHECKED BY:	BAM

SHEET TITLE:
MECHANICAL FLOOR PLAN, SCHEDULES AND DETAILS

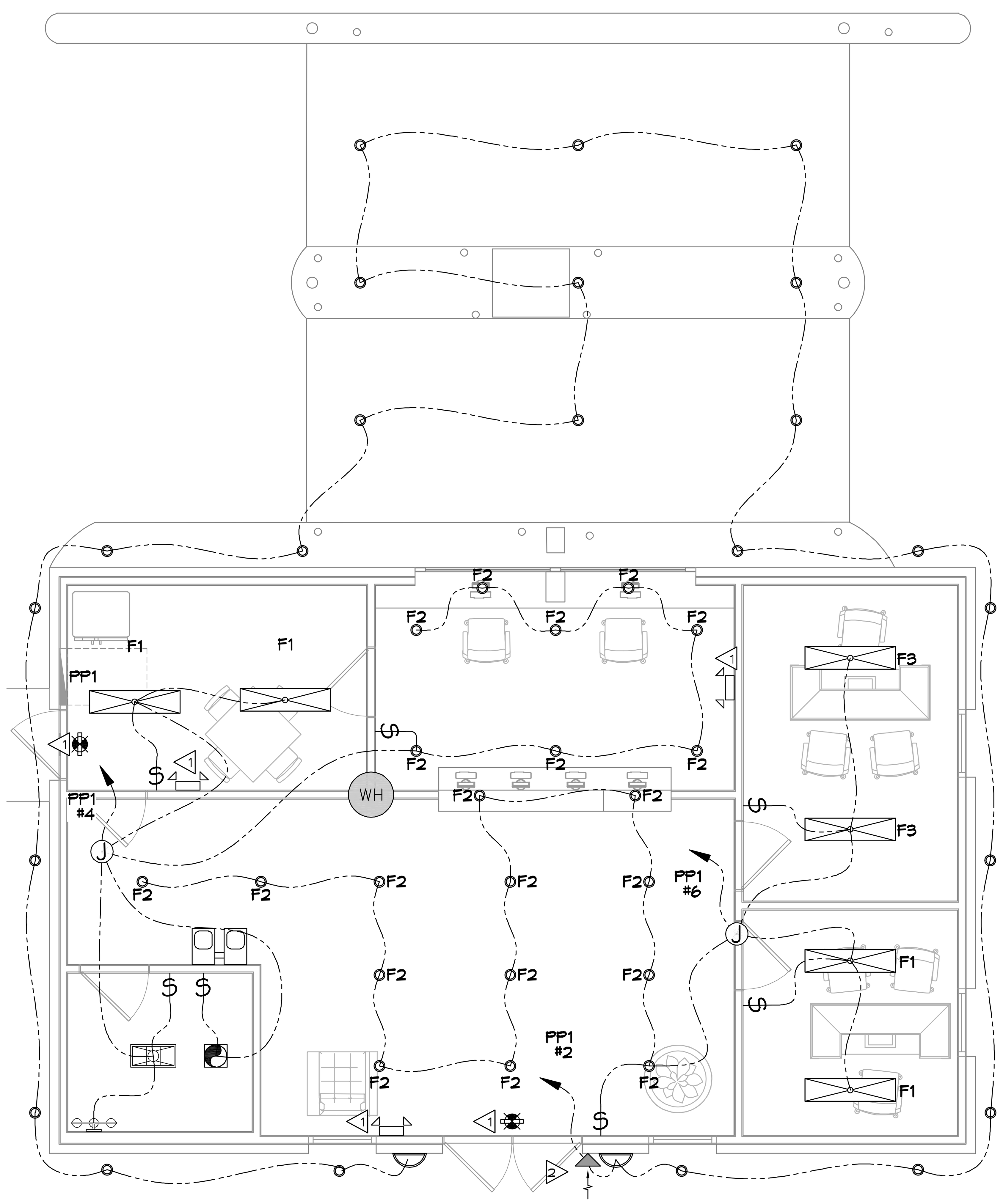
DRAWING NUMBER:
M101



25 SITE ELECTRICAL LIGHTING PLAN
SCALE: 1/4"=1'-0"



26 ELECTRICAL POWER PLAN
SCALE: 1/4"=1'-0"



27 ELECTRICAL LIGHTING PLAN
SCALE: 1/4"=1'-0"

POWER LEGEND

- STANDARD 120V DUPLEX RECEPTACLE, 18" AFF (UNLESS OTHERWISE NOTED)
- GFCI DUPLEX RECEPTACLE
- DATA RECEPTACLE
- WEATHER-PROOF GFCI DUPLEX RECEPTACLE (WP)
- FUSED DISCONNECT

LIGHTING LEGEND

- EMERGENCY LIGHT FIXTURE
- EXIT LIGHT FIXTURE - CEILING MOUNTED
- 1X4 - 2 - FLUORESCENT OR LED; 5800 LUMENS.
- LED RESTROOM LIGHT FIXTURE.
- EXHAUST FAN - SEE MECH
- SCONCE LIGHTING FIXTURE
- PARKING LOT LIGHT
- HOME RUN
- LIGHT SWITCH 120V COMMERCIAL GRADE
- JUNCTION BOX
- 1X2 - LED LIGHT FIXTURE (RESTROOMS)
- RECESSED CAN LIGHT

SITE LIGHTING

EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE BE CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ABUTTING PROPERTY LINE.

KEYED NOTES

1. PROVIDE CONNECTION TO UN-SWITCHED HOT OF LIGHTING CIRCUIT AND SHALL HAVE 90 MINUTE EMERGENCY BATTERY BACKUP.
2. PHOTO-SENSOR CIRCUIT

LIGHTING SCHEDULE

MK	MFG	PART NUMBER	DESCRIPTION
F1	ELITE	24-EDGE-LED-5000L-DIM10-MVOLT-40K-85 (24EDGELEDSMK)	24 ARCH. VOLUMETRIC SURFACE MOUNT LED TROFFER 40K 5000L
F2	ELITE	HH6-LED-1200L-DIM10-MVOLT-40K-WD-90/HH6-6501-CL-WH	6" LED DOWNLIGHT 1200LUMENS 90CRI 40K
F3	ELITE	24-EDGE-LED-6000L-DIM10-MVOLT-40K-85 (24EDGELEDSMK)	24 ARCH. VOLUMETRIC SURFACE MOUNT LED TROFFER 40K 6000L
F4	ELITE	EU-LED-34-1300L-DIM10-MVOLT-40K-XX-X	34" UNDERCABINET LIGHTING LED 40K
F5	ELITE	ECH-BL-LED-1003-3	24" VANITY LED LIGHT
F6	LIGHTWAY INDUSTRIES	MERW-618-LED-02A-4-X-XX-WSA-X-X-BB10	18" VERTICAL LED EXTERIOR WET SCONCE W/ BATTERY BACKUP
F7	LIGHTALARMS	CAMACSDDB-CWP	LED EXTERIOR WALL LIGHT - EGRESS BATTERY
EX	ELITE	ELX-603 -R-W	LED EXIT
EM	ELITE	ELM-LED-803-W	LED EMERGENCY LIGHT W/BATTERY BACKUP
S1	ORION LIGHTING	IAHP1-A1-UNV-FD-740-XX-T4-TS2-SP	AREA LIGHT TYPE IV,40K, 76W 13000 LUMENS ON 16' SQUARE STRAIGHT STEEL POLE
S2	ORION LIGHTING	IAHP1-A1-UNV-FD-740-XX-T4-TS2-SP	(2 @ 90 DEGREES) AREA LIGHT TYPE IV, 40K, 76W 13000 LUMENS ON 16' SQUARE STRAIGHT STEEL POLE

GENERAL POWER NOTES

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE GOVERNING ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION. OBTAIN CERTIFICATES OR APPROVAL WHERE REQUIRED. ELECTRICAL CONTRACTOR SHALL VERIFY ALL WIRE AND CONDUIT SIZES FOR MECHANICAL EQUIPMENT TO BE INSTALLED.
2. ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
3. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
4. PRIOR TO BIDDING, CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
7. ELECTRICAL CONTRACTOR SHALL COORDINATE THE TELEPHONE INSTALLATION WITH THE TELEPHONE COMPANY AND THE GENERAL CONTRACTOR.
8. ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HUNG CEILINGS, PLASTER, PARTITIONS, WALLS, ETC. AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS INSTALLED AND IT LATER DEVELOPS THAT SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL MAKE SUCH CHANGES IN THE WORK AS DIRECTED BY THE ARCHITECT, AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
9. PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
10. MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE ¾" ELECTRICAL METALLIC TUBING (EMT) FOR INTERIOR USE, ¾" SCHEDULE 80 PVC FOR EXTERIOR USE ABOVE GRADE AND 1" SCHEDULE 40 PVC FOR EXTERIOR USE BELOW GRADE, BURIED A MINIMUM OF 18" FOR NON-VEHICLUAR TRAFFIC AREAS AND 36" IN VEHICULAR TRAFFIC AREAS. EMT SHALL BE USED WITH METAL STUD CONSTRUCTION AND ALL ASSEMBLY OCCUPANCIES. USE NMC IN WOOD CONSTRUCTION. 6 FT LENGTH MC CABLE IS ALLOWED ABOVE DROPPED CEILING. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS, AND EXTERIOR FITTINGS SHALL BE CAST BOXES WITH NEMA 3R COVER(S).
11. CONTRACTOR SHALL INSTALL WIRING, CIRCUIT BREAKERS AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT ACTUALLY INSTALLED.
12. ALL 120V RUNS LONGER THAN 60 FEET SHALL BE #10 AWG AND 277V RUNS LONGER THAN 150 FEET SHALL BE #10 AWG UNLESS NOTED OTHERWISE.
13. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WATERPROOF. ALL RECEPTACLES IN THE KITCHEN AREA SHALL HAVE GROUND FAULT PROTECTION.
14. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:230-63, NFPR 250-23, 250-71 & 250-72.
15. GROUND NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23b.
16. FUSES SHALL BE ITT CLASS K5, 250 VOLT, 200,000 AMP INTERRUPTING CAP.
17. PROVIDE SERVICES OF A FIRE/SMOKE DETECTION AND ALARM COMPANY TO DESIGN AND INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHALL AND THE FIRE DISTRICT.
18. EXTERIOR LIGHTING SHALL BE SHADED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE IS CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE ABUTTING PROPERTY LINE.
19. ALL ELECTRICAL, MECHANICAL AND PLUMBING PENETRATING FIRE PARTITIONS SHALL BE FIRE CAULKED. (PENETRATIONS THROUGH RATED CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-E814.)
20. VERIFY ELECTRICAL CONNECTIONS PER MANUFACTURER'S RECOMMENDATIONS.
21. ALL BRANCH CIRCUITS SERVING PATIENT CARE AREAS SHALL PROVIDE AN EFFECTIVE GROUND-FAULT CURRENT PATH BY INSTALLATION IN A METAL RACEWAY SYSTEM OR A MEDICAL GRADE MC CABLE (NEC ART. 517.13(A & B)).

GENERAL LIGHTING NOTES

1. ALL WORK SHALL COMPLY WITH APPLICABLE NATIONAL, STATE, AND LOCAL CODES, RULES, REGULATIONS, AND REQUIREMENTS OF THE SERVICE UTILITY COMPANY.
2. GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY IF ANY CONFLICTS OCCUR BETWEEN LIGHTING AND ANY OTHER TRADE. DO NOT PROCEED WITH INSTALLATION IN THAT AREA UNTIL CONFLICT HAS BEEN RESOLVED TO THE SATISFACTION OF THE ARCHITECT AND ENGINEER.
3. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING INSTRUCTIONS FOR ALL LIGHT FIXTURES. NOTIFY THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES BETWEEN THESE PLANS AND THE ARCHITECTURAL PLANS RELATING TO QUANTITY, TYPE AND LOCATION OF DEVICES AND/OR FIXTURES.
4. WHEN SPECIFIC LIGHT FIXTURE HAS BEEN SPECIFIED IN THE FIXTURE SCHEDULE, ELECTRICAL CONTRACTOR SHALL PROVIDE COMPLETE ASSEMBLY INCLUSIVE ALL PARTS AND HARDWARE TO INSURE PROPER FUNCTIONING FIXTURE.
5. ALL CONDUCTORS SHALL BE A MINIMUM OF #12 AWG UNLESS NOTED OTHERWISE.
6. ALL 120V RUNS LONGER THAN 60 FEET SHALL BE #10 AWG AND 277V RUNS LONGER THAN 150 FEET SHALL BE #10 AWG UNLESS NOTED OTHERWISE.
7. ALL CONDUCTORS SHALL BE COPPER.
8. WHERE CONDUCTOR SIZES ARE NOTED ON DRAWINGS, THAT WIRE SIZE SHALL BE THROUGH THE ENTIRE RUN UNLESS OTHERWISE NOTED.
9. MOUNTED LIGHT SWITCHES 48" AFF UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS.
10. WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN A GANG TYPE BOX UNDER ONE COVER PLATE. ALL GANGED SWITCHES SHALL HAVE A COMMON SEAMLESS FACEPLATE. EACH MULTI-GANGED BOX SHALL BE NO MORE THAN SIX (6) SWITCHES WIDE. WHERE MORE THAN SIX (6) SWITCHES ARE SHOWN AT ONE (1) LOCATION, ADDITIONAL MULTI-GANGED BOXES SHALL BE STACKED VERTICALLY AND THE WIDTH OF THE MULTI-GANGS SHALL BE AS EVEN AS POSSIBLE.
11. EACH DIMMER SWITCH SHALL HAVE A WATTAGE RATING 25% HIGHER THAN THE TOTAL WATTAGE OF AL LIGHTS TO BE CONTROLLED BY THE DIMMER. DIMMER SIZES 600, 1000, 1500, AND 2000 WATTS, LUTRON NOVA T-STAR. WHERE SWITCHES ARE GANGED WITH DIMMERS, THE SWITCHES SHALL ALSO BE LUTRON NOVA T-STAR. FLUORESCENT AND LOW VOLTAGE DIMMERS SHALL BE LUTRON NOVA T-STAR.
12. ALL EMERGENCY EXIT LIGHT FIXTURES SHALL HAVE 90 MINUTE BATTERY BACKUP WITH INTEGRAL TEST BUTTON AND SHALL BURN CONTINUOUSLY.
13. ALL FLUORESCENT FIXTURES THAT UTILIZE DOUBLE-ENDED LAMPS AND CONTAIN BALLASTS SHALL BE PROVIDED WITH A DISCONNECTING MEANS IN ACCORDANCE WITH NEC 410.73G.

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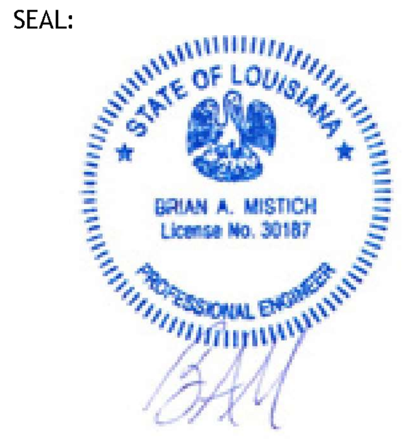
#	DESCRIPTION	DATE
	REVISIONS	

SEAL:

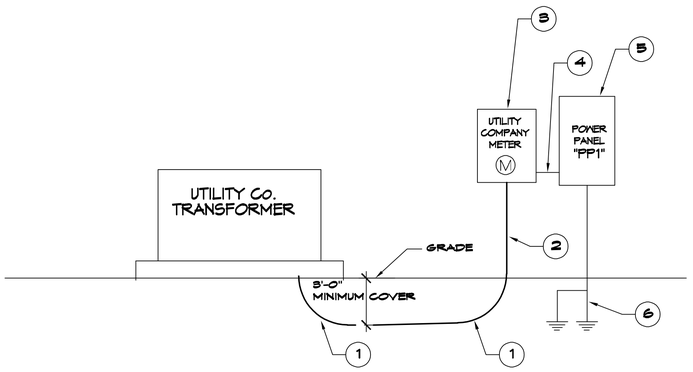


NEW OFFICE BUILDING
ST. TAMMANY FEDERAL CREDIT UNION
21469 KOOP DRIVE
MANDEVILLE, LA.

JOB No:	2022	DATE:	04-28-2022
DRAWN BY:	CKD	CHECKED BY:	BAM

SHEET TITLE:
POWER, LIGHTING, AND SITE LIGHTING PLAN

DRAWING NUMBER:
E101



RISER DIAGRAM
SCALE: NTS

ONE LINE NOTES:

1. 36" LONG SWEEP ELBOW
2. PROVIDE TWO (2) 4" SCHEDULE 40 PVC CONDUIT BELOW GRADE AND SCH 80 PVC CONDUIT ABOVE GRADE WITH SUITABLE FISH WIRE.
3. 120/240V 1Φ 200A METER PAN.
4. 3 #4/0 THHN, 1-#6 GND, 3" C
5. 120/240V 1Φ 200A PANELBOARD WITH MAIN BREAKER.
6. 2 - 3/4" X 10' CU CLAD GND ROD, #2 CU GND WIRE. PROTECT IN PVC PIPE. CONNECT TO METAL BLDG, COLD WATER SUPPLY & GAS LINE. CAD WELD ALL CONNECTIONS.

ELECTRICAL LOAD SUMMARY

POWER COMPANY:						
PROJECT NAME:	ST. TAMMANY FEDERAL CREDIT UNION					
PROJECT ADDRESS:	21469 KOOP DR.					
CITY TOWN:	MANDEVILLE, LOUISIANA					
INTENDED USER:	CREDIT UNION					
REQUIRED SERVICE:	240/120	VOLTS	1	PHASE	3	WIRE
SERV ENTR SIZE:	200	AMPS				
HVAC TONNAGE:	4	TONS				
LARGEST MOTOR:		HP	NOTE: MOTORS ABOVE 20 HP MAY REQUIRE REDUCED VOLTAGE STARTING AND ARE NEVER RECOMMENDED FOR USE WITH 240/120V, 1 PH, 3 W SERVICE			
TOTAL BUILDING SQUARE FOOTAGE:			S.F.			
INDIVIDUAL UNIT SQUARE FOOTAGE:			S.F.			
INDIVIDUAL UNIT DESIGNATION:			(MULT OCCUPANCY)			

LOAD SOURCE	1Φ KVA	3Φ KVA	OR	1Φ KW	3Φ KW
BUILDING LIGHTING	1.6				
ELECTRIC WATER HEATING	3.0				
HEAT PUMPS	3.6				
SUPPLEMENTAL HEAT SYSTEMS	3.6				
AIR COND CONDENSING UNITS					
ELEC HEATING (PRIMARY) AHU'S					
COOKING	N/A				
REFRIGERATION	N/A				
RECEPTACLES (STANDARD)	8.9				
RECEPTACLES (COMPUTER)	1.4				
TOTAL MOTORS (EXCLUDE HVAC)	N/A				
EXTERIOR LIGHTING	2.2				
MISCELLANEOUS - CEILING FANS					
OTHER (ATM, OVERHEAD DELIVERY SYS	4.2				
TOTAL CONNECTED LOAD	28.5	0.0		0.0	0.0

PANEL SCHEDULE

PANEL: PP1
LOCATION: BREAK ROOM
FEEDER SOURCE: UTILITY CO.
VOLTAGE: 240/120, 1Φ, 3 WIRE, WITH 200A MAIN BREAKER
ENCLOSURE: FLUSH MOUNTED W/ EQUIPMENT GND BAR SQ D TYPE QO LOAD CENTER

CKT NO	THHN WIRE SIZE	LOAD DESCRIPTION / LOCATION	BREAKER AMP	BREAKER POLE	LOAD (VA)		LOAD (VA)	BREAKER POLE	BREAKER AMP	LOAD DESCRIPTION / LOCATION	THHN WIRE SIZE	CKT NO
						AΦ CΦ						
1	12	RECEPTACLE, BREAK ROOM COUNTER	20	1	1500		1500	1	20	EXTERIOR LIGHTING	12	2
3	12	RECEPTACLE, BREAK ROOM COUNTER	20	1	1500		700	1	20	LIGHTING, BATHROOM, BREAK AREA, TELLERS	12	4
5	12	RECEPTACLE, BREAK ROOM APPLIANCE	20	1	1500		850	1	20	LIGHTING, OFFICES AND LOBBY	12	6
7	12	RECEPTACLE, BREAK ROOM APPLIANCE	20	1	1500		700	1	20	PARKING LOT LIGHTING	12	8
9	12	RECEPTACLES, BREAK ROOM AND TELLER AREA	20	1	720		2800	1	30	ATM	10	10
11	12	RECEPTACLE, DRIVE UP WINDOW	20	1	180		1400	1	15	OVERHEAD REMOTE TRANSACTION SYSTEM	10	12
13	12	RECEPTACLE, DRIVE UP WINDOW	20	1	180		1800	2	30	AHU	10	14
15	12	RECEPTACLE, INDOOR TELLER WINDOW	20	1	180		1800					16
17	12	RECEPTACLE, INDOOR TELLER WINDOW	20	1	180		1800	2	30	CU	10	18
19	12	RECEPTACLE, INDOOR TELLER WINDOW	20	1	180		1800					20
21	12	RECEPTACLE, INDOOR TELLER WINDOW	20	1	180		1500	2	30	WATER HEATER	10	22
23	12	COMPUTER RECEPTACLE, FRONT OFFICE	20	1	180		1500					24
25	12	COMPUTER RECEPTACLE, REAR OFFICE	20	1	180							26
27	12	RECEPTACLES, OFFICES AND LOBBY	20	1	1440							28
29	12	RECEPTACLES, BATHROOM, WATER FOUNTAIN, OUTSIDE	20	1	720							30
31												32
33												34
35												36
37												38
39												40
41												42

SOLID NEUTRAL
NEUTRAL WIRE (N)

TOTAL CONNECTED LOAD (VA) = 28,470

AΦ = 15,410 | BΦ = 13,060

GROUND BUS
GROUND WIRE (G)

DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI
www.dammonengineering.com
info@dammonengineering.com
PH: 985.649.5832
Chief Engineer: Brian Mistich, PE
554 Old Spanish Trail
Slidell, LA 70458

REVISIONS

#	DESCRIPTION	DATE

SEAL:

STATE OF LOUISIANA
BRIAN A. MISTICH
License No. 30187
PROFESSIONAL ENGINEER

NEW OFFICE BUILDING
ST. TAMMANY FEDERAL CREDIT UNION
21469 KOOP DRIVE
MANDEVILLE, LA.

JOB No: 2022
DRAWN BY: DD/JTL
DATE: 04-28-2022
CHECKED BY: BAM

SHEET TITLE:
ELECTRICAL PANEL SCHEDULES

DRAWING NUMBER:
E102

SHEET No: 17 of 17