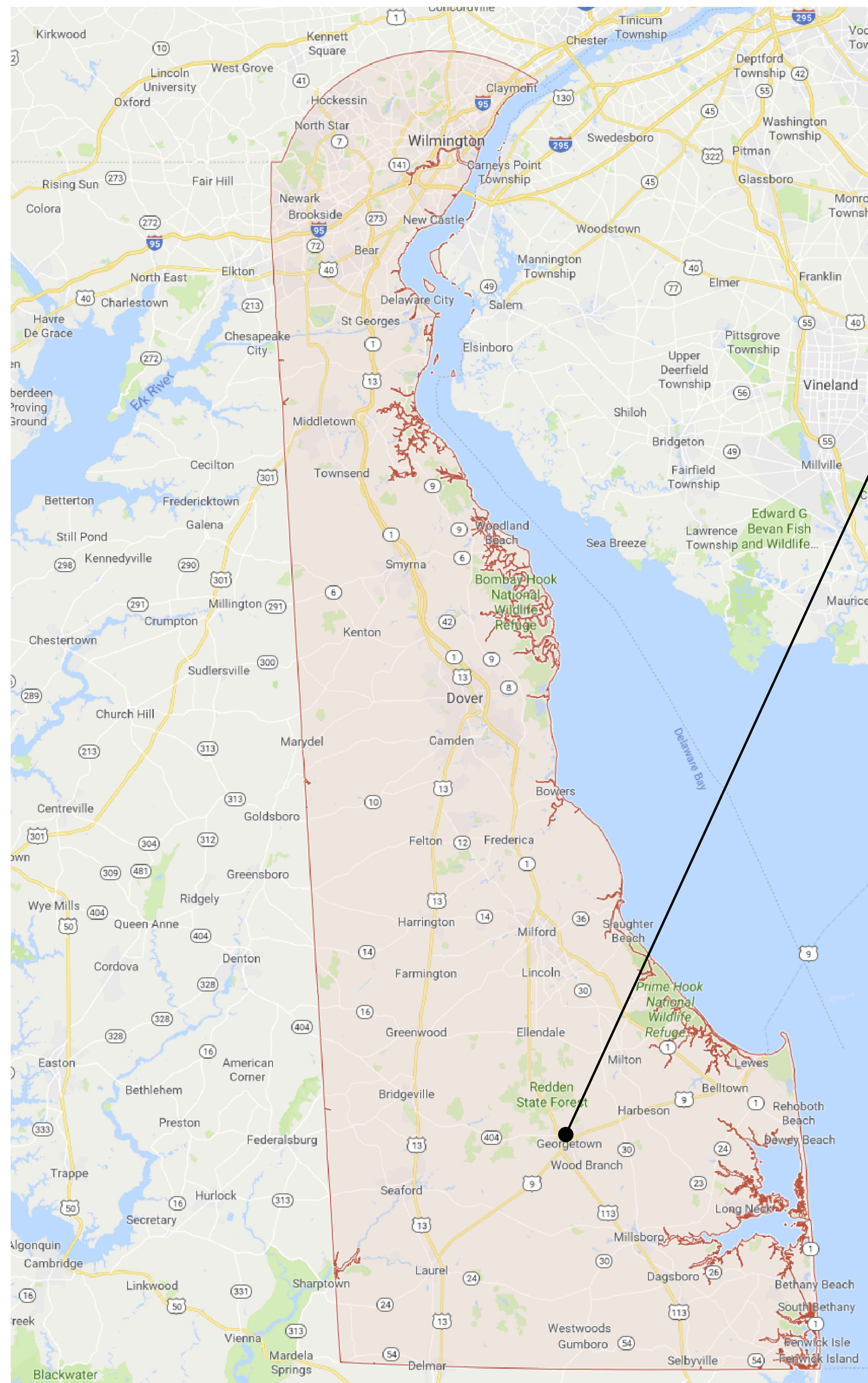


STATE OF DELAWARE OMB/ DIVISION OF FACILITIES MANAGEMENT OMB/ DFM # MJ1002000070A EVIDENCE PROCESSING BUILDING AT THE SUSSEX COUNTY FIRE MARSHAL OFFICE OF THE STATE FIRE MARSHAL - 22705 PARK AVE GEORGETOWN, DE 19947

PROJECT LOCATION MAPS



LOCATION MAP

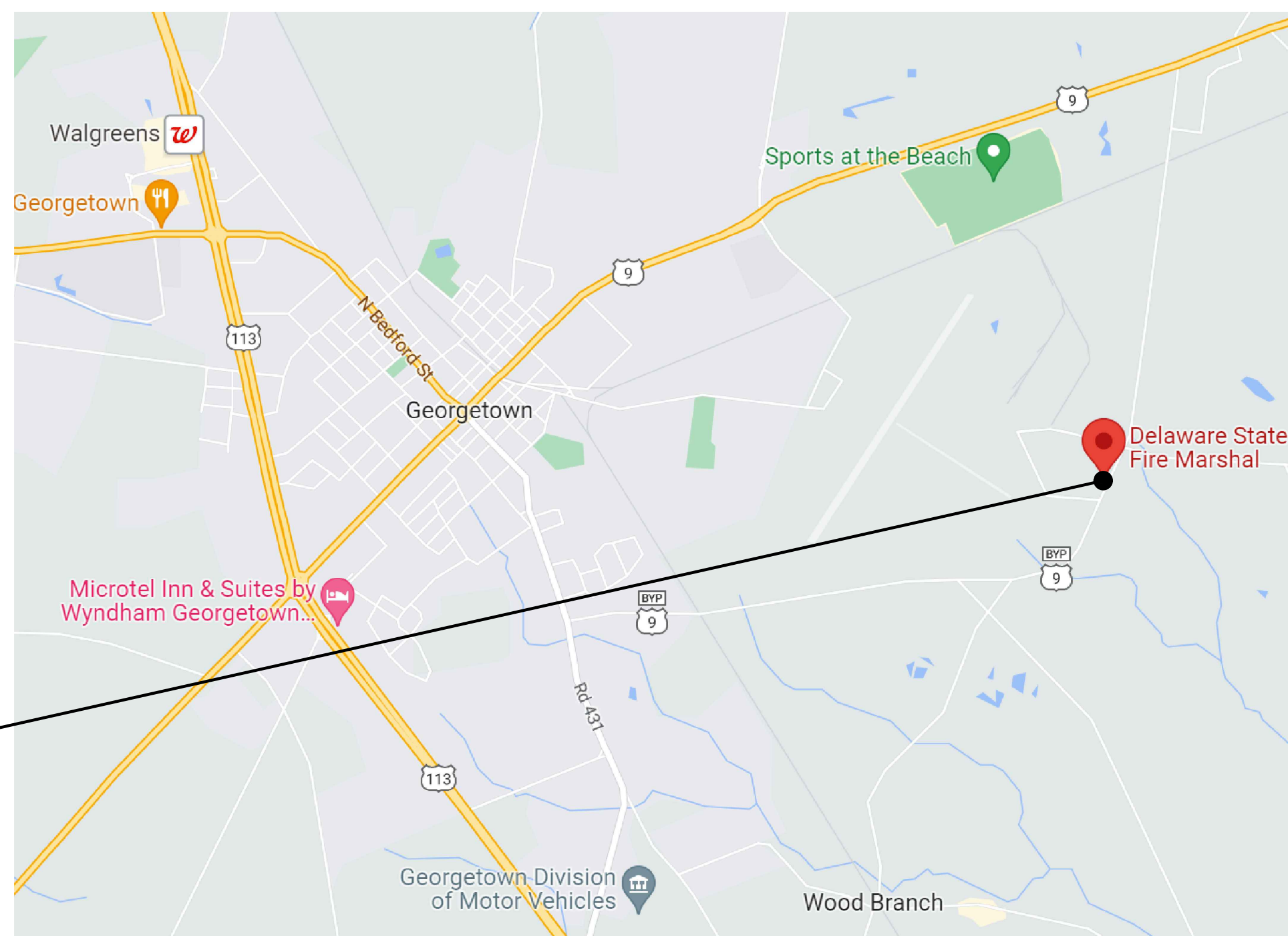
PROJECT LOCATION
SUSSEX COUNTY FIRE MARSHAL
22705 PARK AVE
GEORGETOWN, DE 19947

SUSSEX COUNTY FIRE MARSHAL

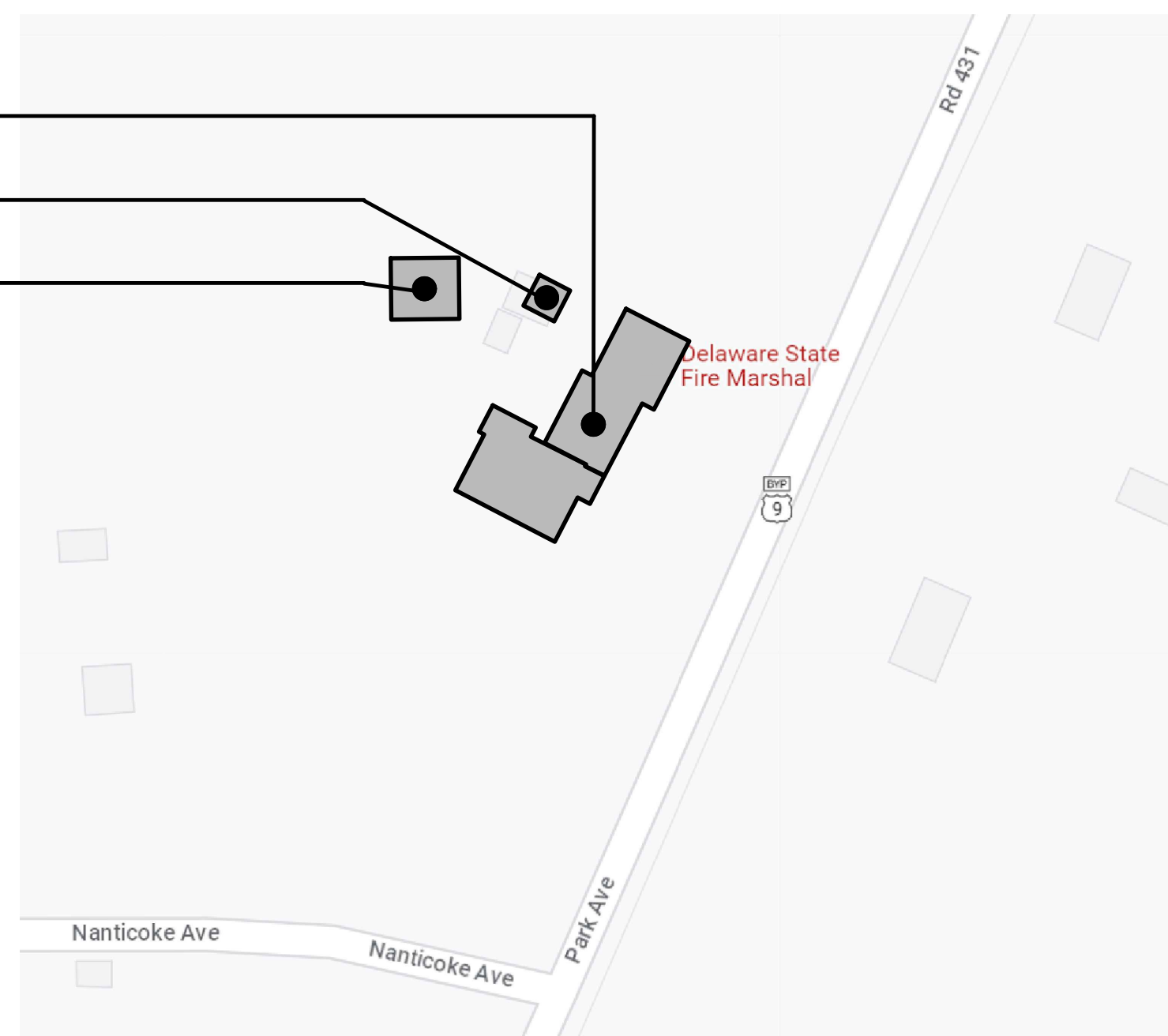
SUSSEX COUNTY FIRE MARSHAL

EXISTING STORAGE BUILDING

NEW EVIDENCE PROCESSING BUILDING



AREA MAP



SITE MAP

SHEET NUMBER	SHEET TITLE
GENERAL	
G-000	COVER SHEET
G-001	ABBREVIATIONS, SYMBOLS, CODE REVIEW, AND LIFE SAFETY PLAN
G-002	TYPICAL MOUNTING HEIGHTS
CIVIL	
C-100	CIVIL COVER SHEET
C-101	EXISTING CONDITIONS PLAN
C-102	DEMOLITION PLAN
C-103	SITE PLAN
C-104	GRADING PLAN
C-105	SITE DETAILS
STRUCTURAL	
S-001	COVER SHEET
S-002	GENERAL NOTES & SCHEDULES
S-101	FOUNDATION & ATTIC FRAMING PLAN
S-102	ROOF FRAMING PLAN
S-501	FOUNDATION DETAILS & TYPICAL DETAILS
S-511	FRAMING SECTIONS & TYPICAL DETAILS
ARCHITECTURAL	
A-101	FLOOR PLANS - EVIDENCE PROCESSING BUILDING
A-102	FLOOR PLANS AND ELEVATIONS - EXISTING STORAGE BUILDING
A-201	BUILDING ELEVATIONS - EVIDENCE PROCESSING BUILDING
A-301	BUILDING SECTIONS - EVIDENCE PROCESSING BUILDING
A-401	WALL SECTIONS AND DETAILS
A-402	TOILET PLANS, INTERIOR ELEVATIONS, AND CASEWORK SECTIONS
A-601	DOOR SCHEDULE, WALL TYPES, AND DETAILS
A-602	ENLARGED DETAILS
MECHANICAL	
M-101	MECHANICAL PLANS - EVIDENCE PROCESSING BUILDING
M-102	MECHANICAL PLANS - EXISTING STORAGE BUILDING
M-401	FLOW DIAGRAM - EVIDENCE PROCESSING BUILDING
M-500	MECHANICAL SCHEDULES & DETAILS
ELECTRICAL	
E-000	ELECTRICAL COVER SHEET
E-100	ELECTRICAL SITE & EXISTING STORAGE BUILDING PLANS
E-101	ELECTRICAL PLANS - EVIDENCE PROCESSING BUILDING
E-102	ALTERNATE #3 - LIGHTNING PROTECTION PLAN
E-500	ELECTRICAL DETAILS
E-501	ELECTRICAL DETAILS
E-600	ELECTRICAL PANEL SCHEDULES AND SINGLE LINE DIAGRAM
PLUMBING	
P-101	PLUMBING PLANS - EVIDENCE PROCESSING BUILDING
FIRE PROTECTION	
FP-001	FIRE PROTECTION NOTES AND LEGEND
FP-101	FIRE PROTECTION FIRST FLOOR SPRINKLER PLAN
FP-102	FIRE PROTECTION ATTIC LEVEL SPRINKLER PLAN



CONSULTANT

ARCHITECT / ENGINEER SEAL

STATE OF DELAWARE
OMB/ DIVISION OF FACILITIES MANAGEMENT
OMB/ DFM # MJ1002000070A
EVIDENCE PROCESSING BUILDING
AT THE
SUSSEX COUNTY FIRE MARSHAL
OFFICE OF THE STATE FIRE MARSHAL - 22705 PARK AVE
GEORGETOWN, DE 19947

REVISIONS		
MARK	DESCRIPTION	DATE

SHEET TITLE
COVER SHEET

BID DOCUMENTS
MARCH 18, 2024

DRAWN AM	CHKD GC	PROJECT NO. 23020
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SHEET NO.
G-000

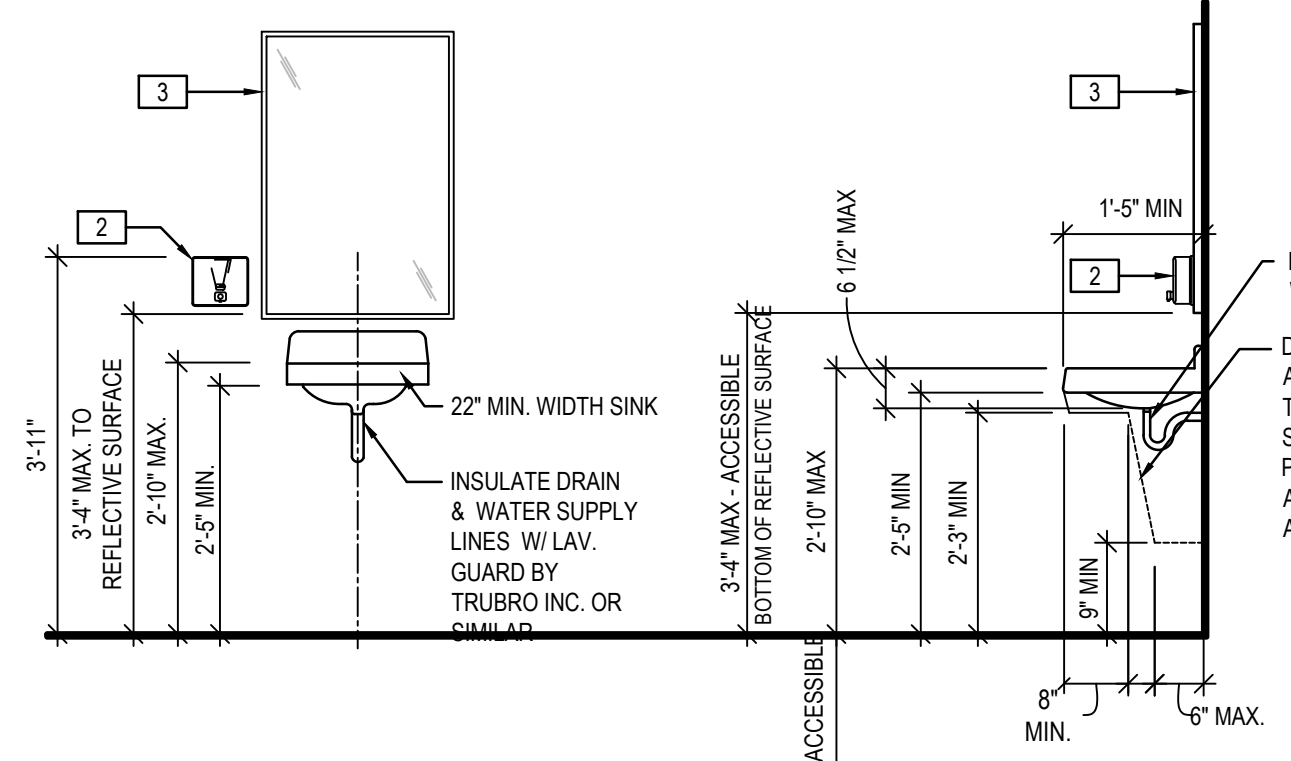
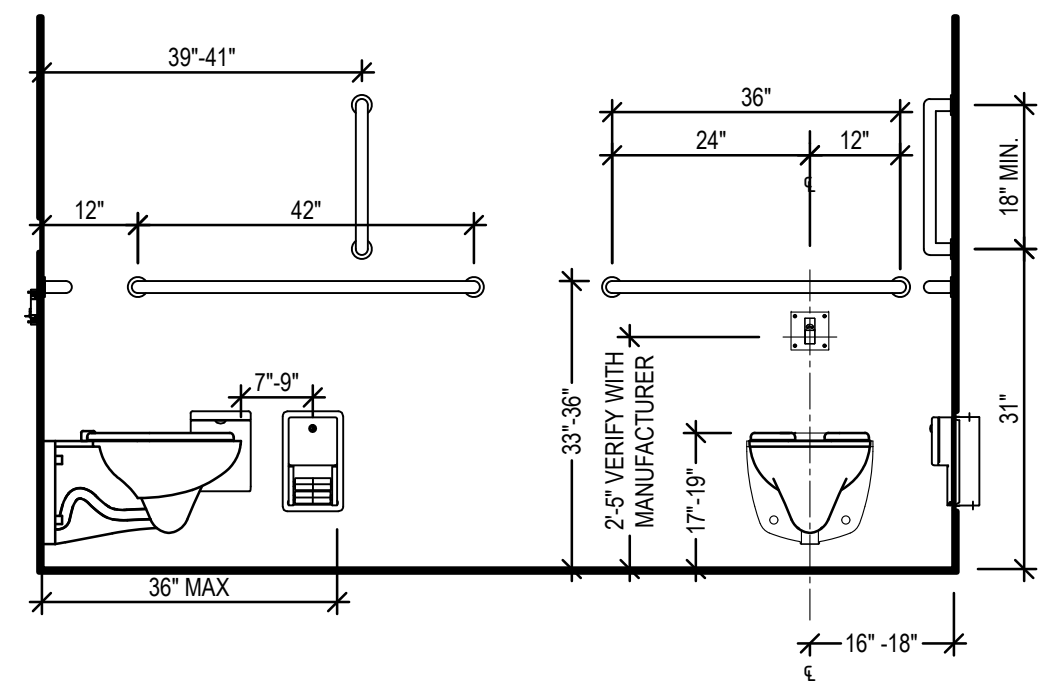
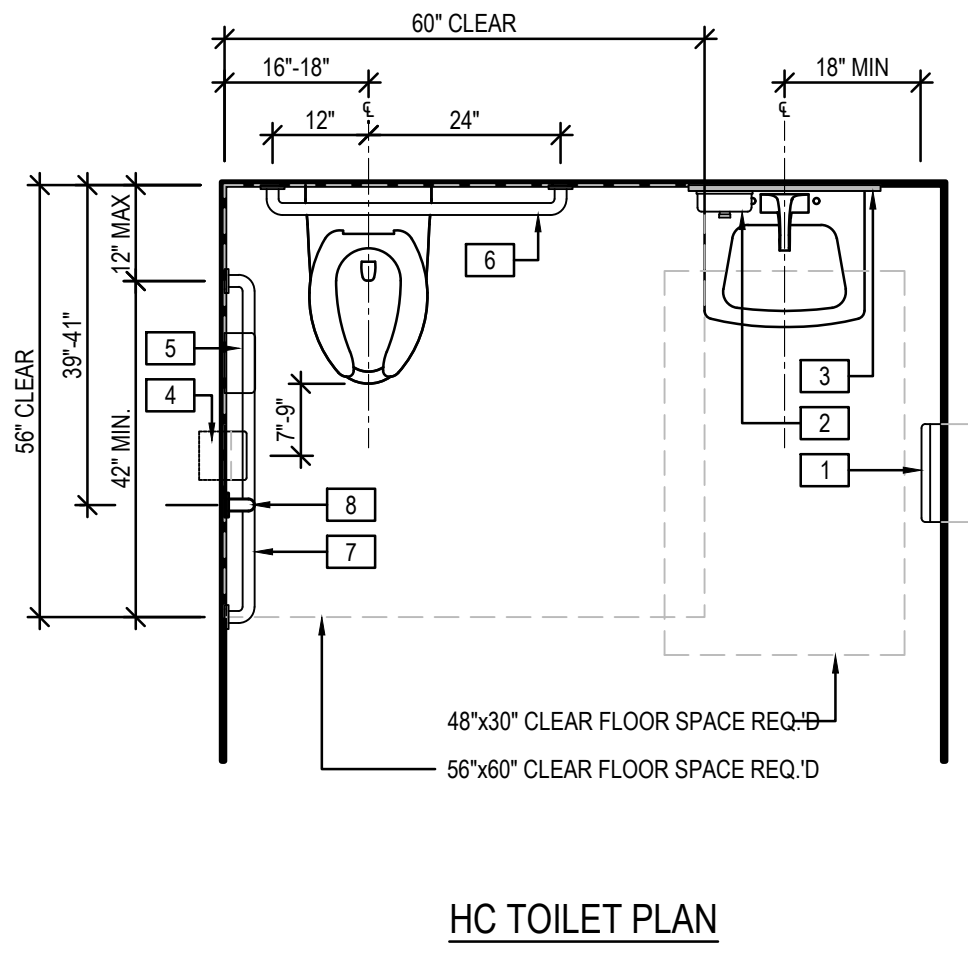
THE DESIGN OF THESE PLANS BY AN ARCHITECT OR ENGINEER IS A PROFESSIONAL SERVICE. THE ARCHITECT OR ENGINEER HAS CONDUCTED VISUAL GENERAL VERIFICATION OF THE DATA AND INFORMATION ON WHICH THE PLANS ARE BASED. THE ARCHITECT OR ENGINEER HAS NOT CONDUCTED A FIELD SURVEY OF THE DATA OR HAS CONDUCTED SUCH A SURVEY THAT DOES NOT PROVIDE AN ADEQUATE BASIS FOR THE DESIGN OF THESE PLANS. THE ARCHITECT OR ENGINEER HAS NOT CONDUCTED A FIELD SURVEY OF THE DATA OR HAS CONDUCTED SUCH A SURVEY THAT DOES NOT PROVIDE AN ADEQUATE BASIS FOR THE DESIGN OF THESE PLANS. THE ARCHITECT OR ENGINEER HAS NOT CONDUCTED A FIELD SURVEY OF THE DATA OR HAS CONDUCTED SUCH A SURVEY THAT DOES NOT PROVIDE AN ADEQUATE BASIS FOR THE DESIGN OF THESE PLANS.

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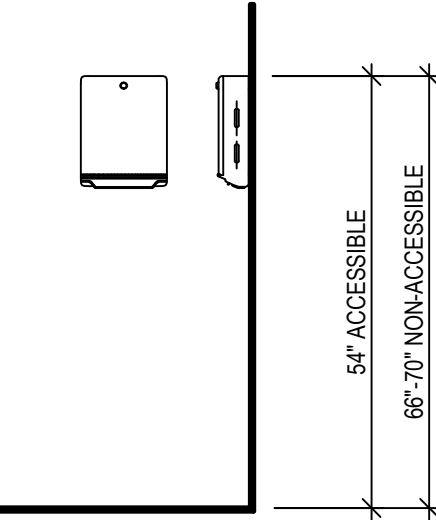
TOILET ACCESSORY SCHEDULE	
TAG	DESCRIPTION
1	ADA COMPLIANT PAPER TOWEL DISPENSER
2	SOAP DISPENSER
3	S.S. CHANNEL FRAME 24"x36" MIRROR
4	TOILET TISSUE DISPENSER
5	SANITARY NAPKIN RECEPTACLE (ADULT WOMENS AND UNISEX TLT. RM. ONLY)
6	1 1/2" O.D. 42" GRAB BAR
7	1 1/2" O.D. 36" GRAB BAR
8	1 1/2" O.D. 18" VERTICAL GRAB BAR

GENERAL NOTES:

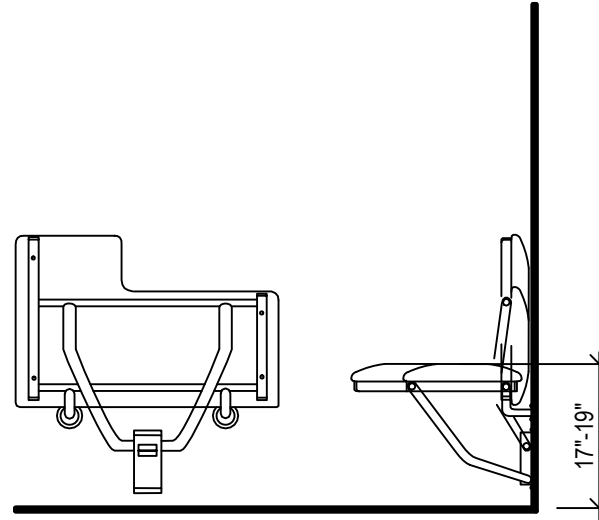
- CONTRACTOR TO FURNISH & INSTALL WOOD BLOCKING FOR ALL ACCESSORIES PER MANUFACTURER'S REQUIREMENTS.
- ALL DIMENSIONS ARE TAKEN FROM FINISH FLOOR.
- LAYOUT IS GENERIC IN NATURE. REFER TO SPECIFIC FLOOR PLAN FOR INDIVIDUAL LAYOUT.



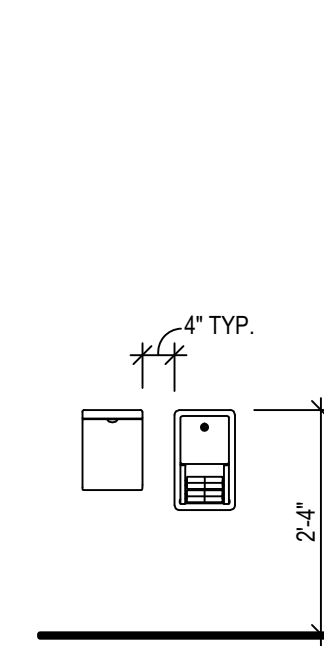
LAVATORY



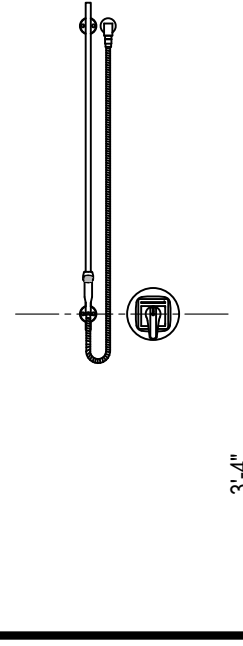
COAT HOOK



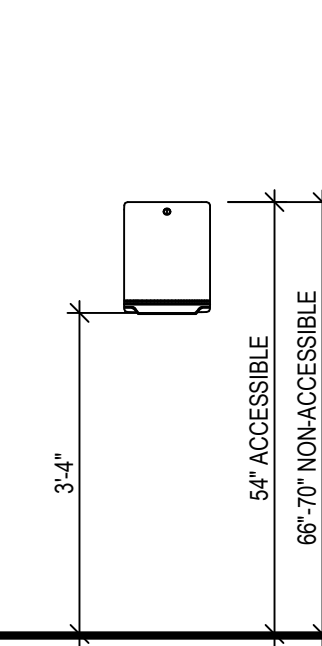
FOLDING SHOWER BENCH



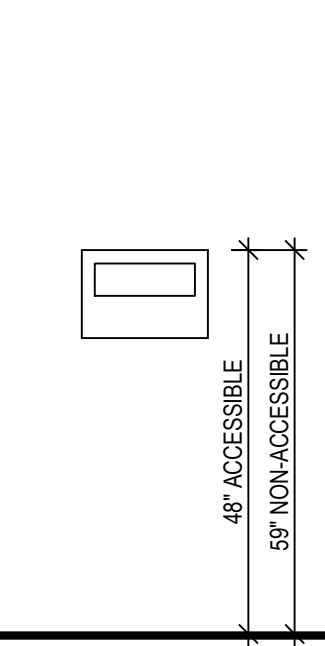
TOILET PAPER & SANITARY NAPKIN



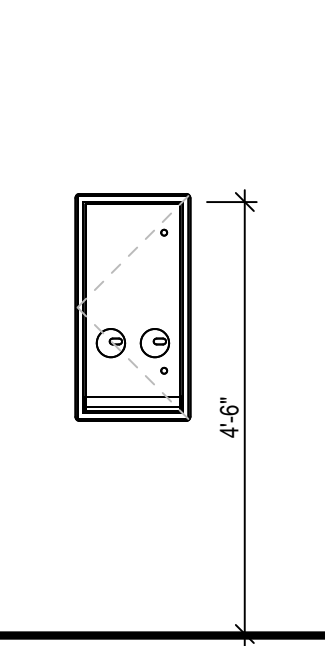
SHOWER HEAD AND CONTROL



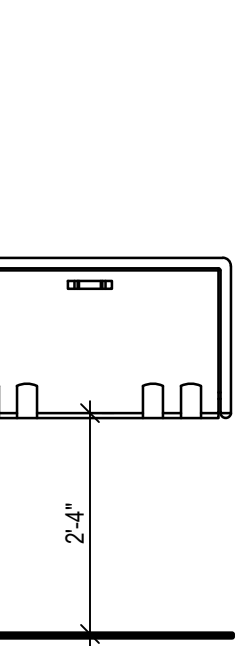
PAPER TOWEL DISPENSER



TOILET SEAT COVER DISPENSER



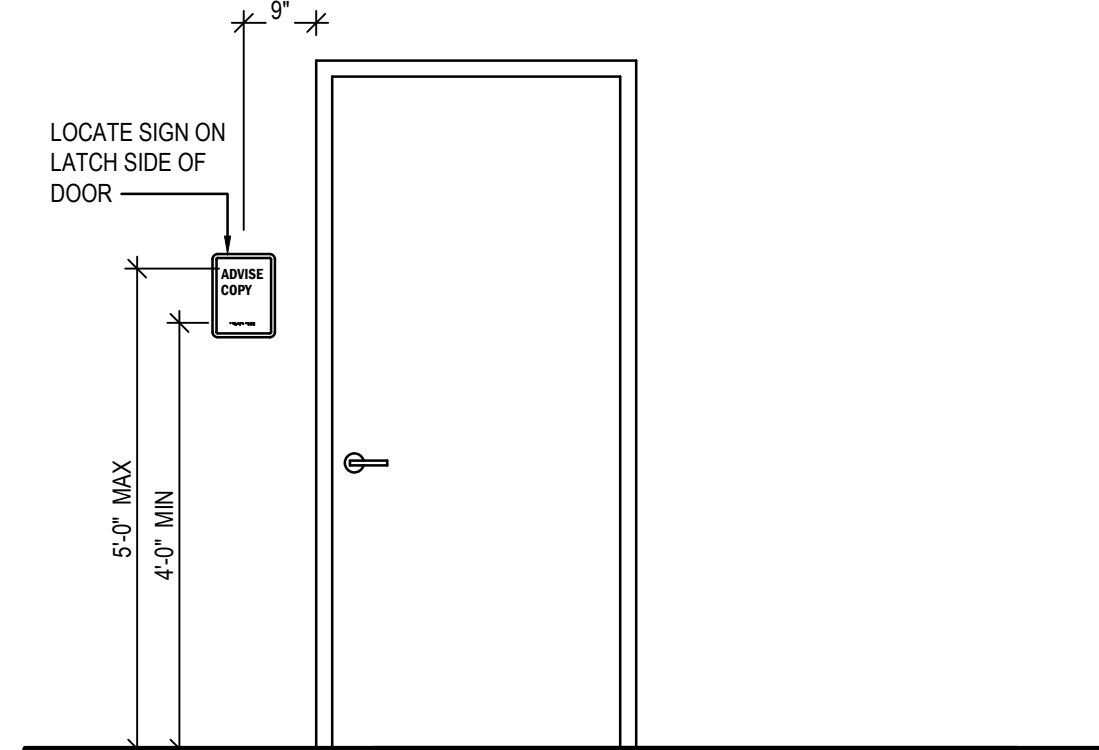
SANITARY DISPENSER



BABY CHANGING TABLE

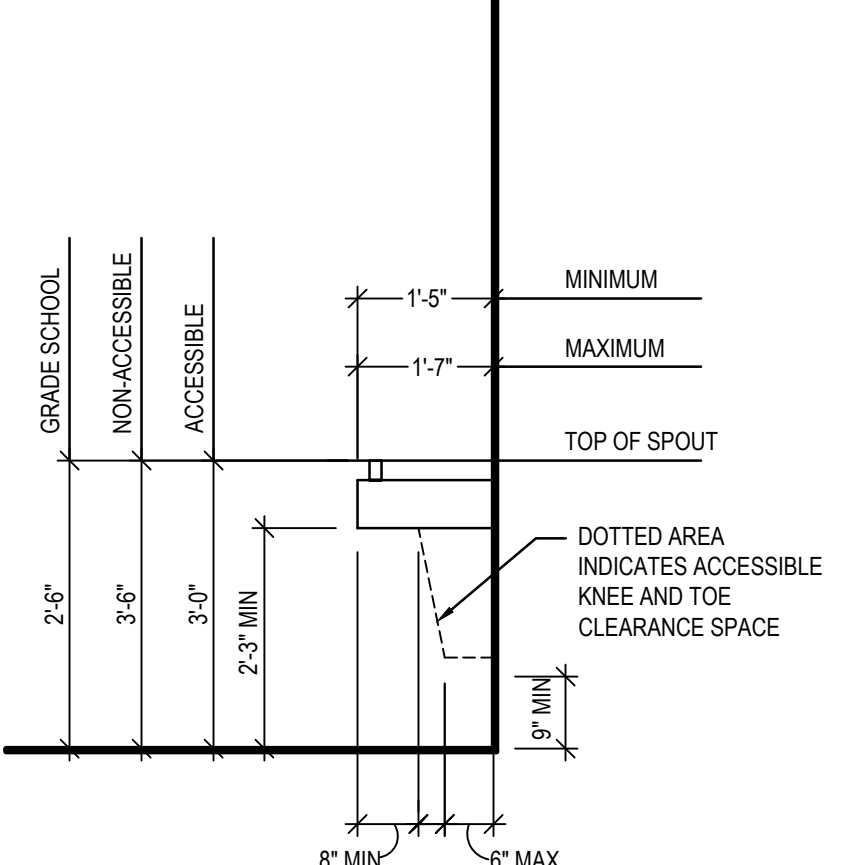
TYPICAL TOILET ROOM MOUNTING HEIGHTS

SCALE: N.T.S.



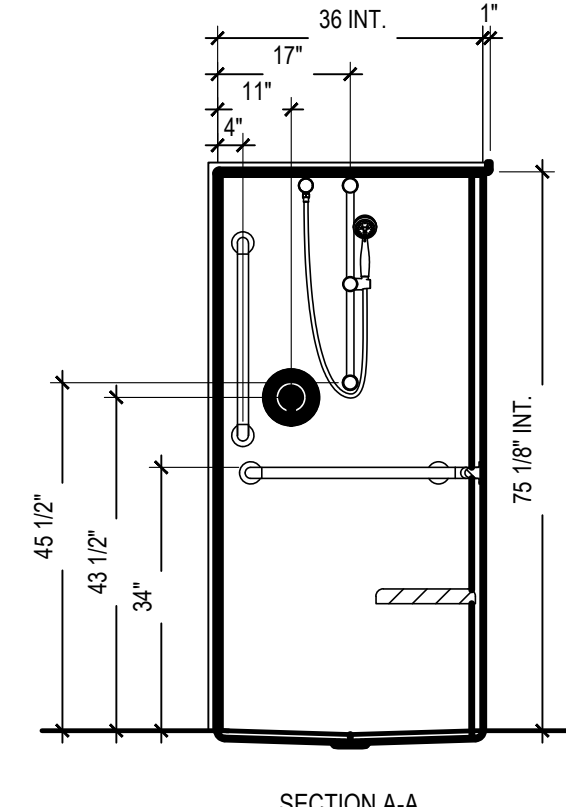
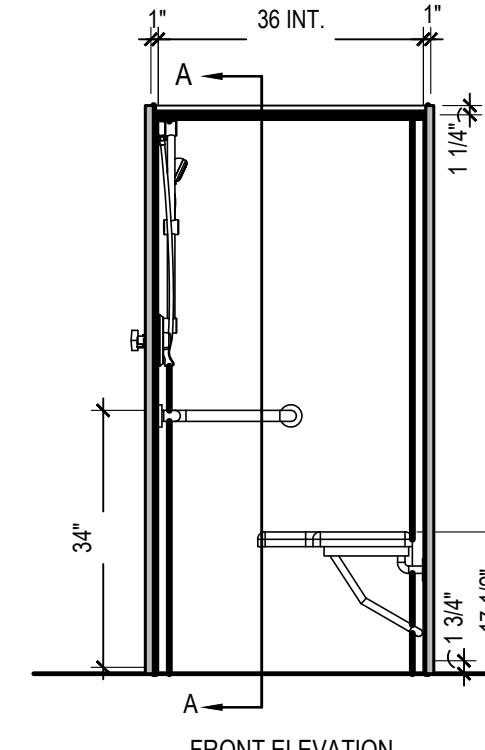
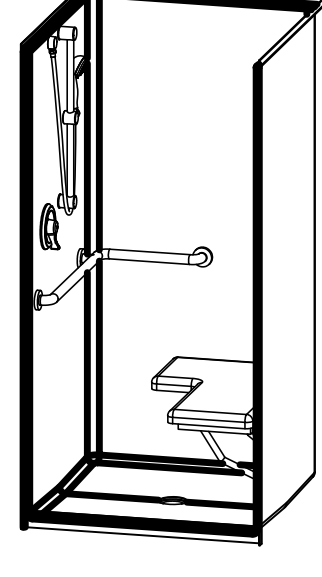
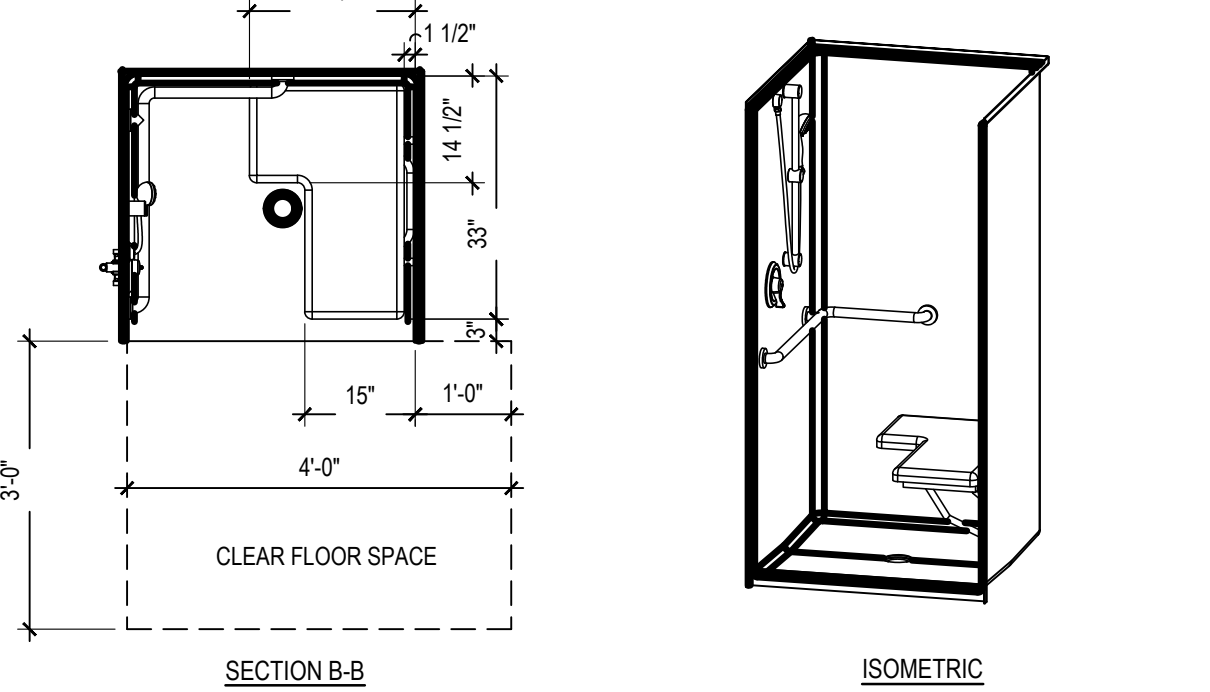
ROOM AND SPACE SIGNAGE

SCALE: N.T.S.



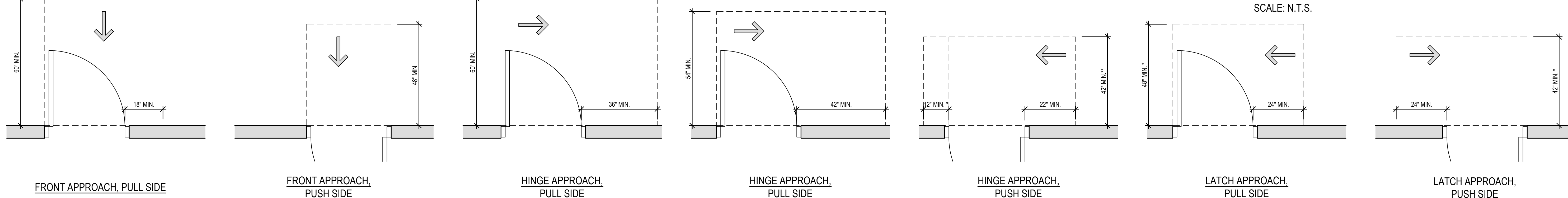
WATER COOLER

SCALE: N.T.S.



ADA SHOWER ELEVATIONS

SCALE: N.T.S.



TYPICAL DOOR SWING CLEARANCE REQUIREMENTS

SCALE: 1/2" = 1'-0"



CONSULTANT

ARCHITECT / ENGINEER SEAL

STATE OF DELAWARE
 OMB / DIVISION OF FACILITIES MANAGEMENT
 OMB / DFM # MAJ1002000070A
EVIDENCE PROCESSING BUILDING
 AT THE
 SUSSEX COUNTY FIRE MARSHAL
 OFFICE OF THE STATE FIRE MARSHAL - 22706 PARK AVE
 GEORGETOWN, DE 19847

REVISIONS		
MARK	DESCRIPTION	DATE

SHEET TITLE

TYPICAL MOUNTING HEIGHTS

BID DOCUMENTS

MARCH 18, 2024

DRAWN: AM CHKD: GC PROJECT NO: 23020

SHEET NO.

G-002

STATE OF DELAWARE OMB/DIVISION OF FACILITIES MANAGEMENT OMB/DFM CONTRACT #MJ1002000070A NEW STORAGE BUILDING

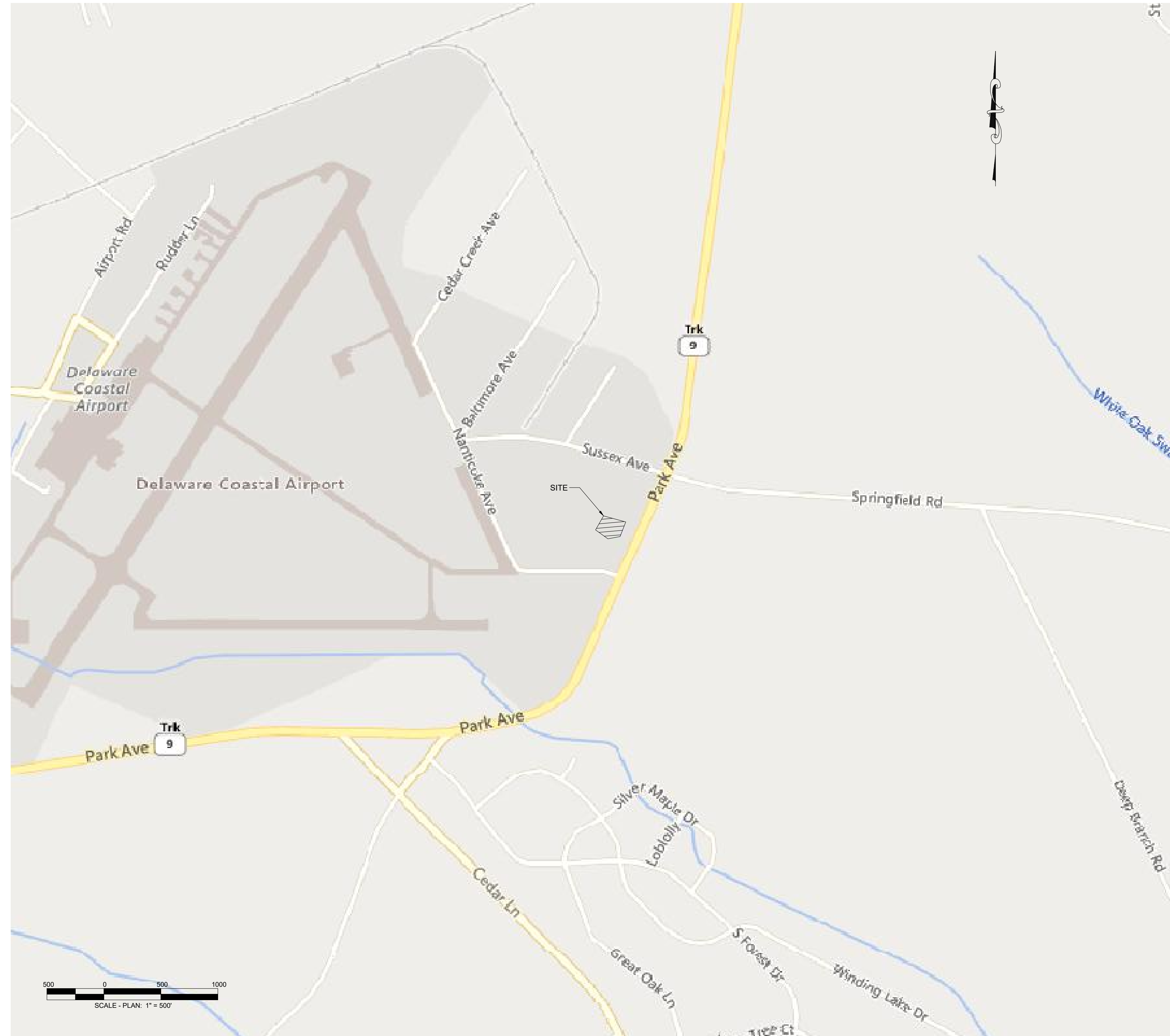
AT THE
SUSSEX COUNTY FIRE MARSHAL
22705 PARK AVENUE
GEORGETOWN DELAWARE 19947

GENERAL NOTES

- THE PURPOSE OF THIS PLAN IS TO FACILITATE THE CONSTRUCTION OF A NEW 2,385 SF PRE-ENGINEERED METAL STORAGE BUILDING WITHIN THE EXISTING SUSSEX COUNTY FIRE MARSHAL CAMPUS.
- GROUND SURFACE ELEVATIONS SHOWN ARE CORRECT AS OF THE DATE OF THE ASSOCIATED FIELD SURVEY COMPLETED BY PRECISION SURVEY IN MAY, 2023. VERTICAL DATUM: NAVD 88 HORIZONTAL DATUM: DELAWARE STATE PLANE NAD 83
- VARIOUS EXISTING SITE FEATURES WERE DERIVED FROM A PLAN ENTITLED 'SUSSEX COUNTY FIRE MARSHAL' PREPARED BY STUDIOJAED IN 2023. FEATURES ARE LABELED.
- SUBSURFACE UTILITIES SHOWN ARE APPROXIMATE AND BASED ON VISUALLY OBSERVED EVIDENCE AT GROUND LEVEL. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO TEST PIT AND CONFIR WITH THE UTILITY COMPANIES INVOLVED IN ORDER TO SECURE THE MOST ACCURATE INFORMATION AVAILABLE AS TO UTILITY LOCATION. NO CONSTRUCTION AROUND OR ADJACENT TO UTILITIES SHALL BE DONE WITHOUT FIRST CALLING "MISS UTILITY" (1-800-292-4555) 72 HOURS PRIOR TO EXCAVATION TO HAVE UNDERGROUND UTILITIES LOCATED AND MARKED.
- CONTRACTOR SHALL PROTECT EXISTING UTILITIES TO REMAIN AND ENSURE UNINTERRUPTED SERVICE. ANY DAMAGE SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE.
- PER NATIONAL WETLANDS INVENTORY, US FISH AND WILDLIFE SERVICE AND DELAWARE DEPARTMENT OF NATURAL RESOURCES, THERE ARE NO WETLANDS IN THE IMMEDIATE VICINITY OF THE PROJECT DISTURBANCE. THIS WAS FIELD VERIFIED IN MAY, 2023. THERE IS A FRESHWATER POND JUST WEST OF THE PROPOSED STRUCTURE, BUT NO DISTURBANCE IS ANTICIPATED.
- PER FEMA FLOOD INSURANCE RATE MAP NUMBER 10005C0325L, EFFECTIVE 06/20/2018, THE MAJORITY OF THE PROJECT SITE IS LOCATED IN FLOOD ZONE X - AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE (500-YEAR) FLOOD PLAIN. HOWEVER, THERE IS A SMALL PORTION WHICH FALLS WITHIN ZONE AE - SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD. THE BASE FLOOD ELEVATIONS (BFE) ON THE SITE RANGE FROM 42 TO 43 FT. THE PROPOSED WORK AREA FALLS PARTIALLY WITHIN THIS ZONE AT A BFE OF 42 FT. A LETTER OF MAP AMENDMENT (LOMA) WAS GRANTED BY FEMA TO REMOVE THIS AREA FROM THE FLOODPLAIN UNDER CASE NO. 24-03-0132A.
- THIS PROJECT IS INTENDED TO REMAIN UNDER 5,000 SF OF DISTURBANCE. CONTRACTOR SHALL ENSURE DISTURBANCE DOES NOT EXCEED 5,000 SF AT ANY TIME DURING CONSTRUCTION. IF IT IS DETERMINED THAT THE WORK AREA MUST EXPAND, APPROPRIATE PERMITTING THROUGH THE DELAWARE DEPARTMENT OF NATURAL RESOURCES AND ENVIRONMENTAL CONTROL WILL BE REQUIRED. THE PLAN DEPICTS 4,872 SF OF DISTURBANCE.
- ALL CONSTRUCTION METHODS AND MATERIALS SHALL BE ACCORDANCE WITH THE SUSSEX COUNTY DEPARTMENT OF PUBLIC WORKS CONSTRUCTION STANDARDS AND SPECIFICATIONS AND DELDOT CONSTRUCTION STANDARDS AND SPECIFICATIONS.
- ALL FIRE LANES, HYDRANTS, EXITS, STANDPIPE AND SPRINKLER CONNECTIONS SHALL BE MARKED IN ACCORDANCE WITH DELAWARE STATE FIRE PREVENTION REGULATIONS, PART V, CHAPTER 5.
- THE PROPOSED BUILDING WILL BE PROTECTED BY AUTOMATIC SPRINKLERS.
- TRAFFIC AND SAFETY CONTROL SHALL BE MAINTAINED DURING CONSTRUCTION IN CONFORMANCE WITH THE CURRENT VERSION OF THE DELAWARE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR CONSTRUCTION AND MAINTENANCE OPERATIONS.
- DELAWARE REGULATIONS PROHIBIT THE BURIAL OF CONSTRUCTION DEMOLITION DEBRIS, INCLUDING TREES AND STRUCTS ON CONSTRUCTION SITES. ANY SOLID WASTE FOUND DURING EXCAVATION MUST BE REMOVED AND PROPERLY DISCARDED.

CIVIL SYMBOLS LEGEND

EXISTING		PROPOSED	
[Symbol]	SITE	[Symbol]	SITE
[Symbol]	RIGHT OF WAY	[Symbol]	RIGHT OF WAY
[Symbol]	PROPERTY LINE	[Symbol]	PROPERTY LINE
[Symbol]	SETBACK	[Symbol]	SETBACK
[Symbol]	EASEMENT	[Symbol]	EASEMENT
[Symbol]	STRUCTURE	[Symbol]	STRUCTURE
[Symbol]	ROOFLINE	[Symbol]	ROOFLINE
[Symbol]	ASPHALT	[Symbol]	PAVEMENT
[Symbol]	CONCRETE	[Symbol]	UNDERGROUND ELECTRIC
[Symbol]	GRAVEL	[Symbol]	OVERHEAD ELECTRIC
[Symbol]	METAL FENCE	[Symbol]	GAS LINE
[Symbol]	WOOD FENCE	[Symbol]	WATER MAIN
[Symbol]	UNDERGROUND ELECTRIC	[Symbol]	WATER SERVICE
[Symbol]	OVERHEAD ELECTRIC	[Symbol]	SANITARY SEWER
[Symbol]	GAS LINE	[Symbol]	STORM DRAIN
[Symbol]	WATER MAIN	[Symbol]	UNDER DRAIN
[Symbol]	STEAM LINE	[Symbol]	TRENCH DRAIN
[Symbol]	SANITARY SEWER	[Symbol]	LIMIT OF CONSTRUCTION
[Symbol]	STORM DRAIN	[Symbol]	LIMIT OF DISTURBANCE
[Symbol]	WETLAND	[Symbol]	CLEANOUT
[Symbol]	WETLAND BUFFER	[Symbol]	FIRE HYDRANT
[Symbol]	TREE LINE	[Symbol]	SIGN
[Symbol]	WETLAND	[Symbol]	LIGHT POLE
[Symbol]	FIRE HYDRANT	[Symbol]	UTILITY POLE
[Symbol]	WELL	[Symbol]	FLARED END SECTION
[Symbol]	SIGN	[Symbol]	OVERLAY
[Symbol]	LIGHT POLE	[Symbol]	CONCRETE
[Symbol]	UTILITY POLE	[Symbol]	STANDARD ASPHALT
[Symbol]	TEST PIT / BORING	[Symbol]	HEAVY DUTY ASPHALT
[Symbol]	BENCHMARK	[Symbol]	STORMWATER FACILITY
		[Symbol]	GRAVEL



SITE DATA

ADDRESS: 22705 PARK AVENUE, GEORGETOWN DELAWARE 19947

FACILITY: STORAGE BUILDING

OWNER: STATE OF DELAWARE, OMB / DIVISION OF FACILITIES MANAGEMENT, HASLET ARMORY, 122 MARTIN LUTHER KING JR BLVD S, 2ND / FLOOR, DOVER, DE 19901

ENGINEER: SITE STUDIOS, INC., P.O. BOX 882, NORTH EAST, MD 21901, CONTACT: JON SABATINO, P.E., JSABATINO@SITESTUDIOSINC.COM

TAX PARCEL: 135-20.00-75.00-30A

DEED REFERENCE: D 5519-108

ZONING: LI 1 - LIGHT INDUSTRIAL

EXIST/PROP USE: PUBLIC SERVICE (FIRE STATION)

ACREAGE: 637.1 AC

SETBACKS: FRONT YARD: 50 FT, REAR YARD: 20 FT, SIDE YARD: 20 FT

FRONTAGE ROAD: NANITOCHE AVE - LOCAL

MAX HEIGHT: 52 FT

PROP BLDG HEIGHT: 25 FT (1 STORY)

PROP BLDG TYPE: NFPA TYPE II-000

PROP IMPERVIOUS: STORAGE BUILDING, 2,385 SF ± / 0.05 AC ±

EXISTING PARKING: 80 SPACES (9X18 FT), 4 HC SPACES

PROPOSED PARKING: 0 SPACES (9X18 FT)

WATER SERVICE: TOWN OF GEORGETOWN

SEWER SERVICE: SUSSEX COUNTY

ELECTRIC SERVICE: DELMARVA POWER

GAS SERVICE: EASTERN SHORE NATURAL GAS

TELECOM SERVICE: COMCAST

SOILS PER WEB SOIL SURVEY: HmA HAMMONTON LOAMY SAND, 0-2% SLOPES, P&A PEPPERBOX-ROSEDALE COMPLEX, 0-2% SLOPES, UBB UDORTMENTS, BORROW AREA, 0-5% SLOPES

OWNER CERTIFICATION

I HEREBY CERTIFY THAT I AM THE OWNER OF THE PROPERTY DESCRIBED AND SHOWN ON THIS PLAN, THAT THIS PLAN WAS MADE AT MY DIRECTION, AND THAT I ACKNOWLEDGE THE SAME TO BE MY ACT AND DESIRE THAT THE PLAN BE RECORDED AS SHOWN IN ACCORDANCE WITH ALL APPLICABLE LAWS AND REGULATIONS.

SIGNATURE: _____ DATE: _____

PRINTED NAME: _____

ENGINEER CERTIFICATION

I HEREBY CERTIFY THAT I AM A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF DELAWARE, THAT THE INFORMATION SHOWN HEREON HAS BEEN PREPARED UNDER MY SUPERVISION AND TO MY BEST KNOWLEDGE AND BELIEF REPRESENTS GOOD ENGINEERING PRACTICE AS REQUIRED BY THE APPLICABLE LAWS OF THE STATE OF DELAWARE.

SIGNATURE: *Jon Sabatino* DATE: 3/18/24

JON SABATINO, P.E. 22296 6/30/24

PRINTED NAME: _____ LICENSE NO. _____ EXPIRATION DATE _____

SUSSEX COUNTY PLANNING

REVIEWED AND APPROVAL RECOMMENDED:

SIGNATURE: _____ DATE: _____

PRINTED NAME AND TITLE: _____

STUDIOJAED
ARCHITECTS & ENGINEERS ■ FACILITIES SOLUTIONS
Website: www.studiojaed.com
Email: info@studiojaed.com

PROVIDENCE OFFICE
100 SOUTH MAIN STREET, 110
PROVIDENCE, RHODE ISLAND 02903
P: 401.848.0884

MARYLAND OFFICE
P.O. BOX 882
NORTH EAST, MD 21901
CONTACT: JON SABATINO, P.E.
JSABATINO@SITESTUDIOSINC.COM
WWW.SITESTUDIOSINC.COM

SITE STUDIOS
CIVIL ENGINEERING & LANDSCAPE ARCHITECTURE
P.O. BOX 882
NORTH EAST, MD 21901
443.823.5455
WWW.SITESTUDIOSINC.COM

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SIGNATURE: *Jon Sabatino*
DATE OF SIGNATURE: 3/18/24
DATE OF REGISTRATION EXPIRATION: 6/30/24

ARCHITECT / ENGINEER SEAL

JON SABATINO
No. 22296
PROFESSIONAL ENGINEER
STATE OF DELAWARE

STATE OF DELAWARE
OMB/DIVISION OF FACILITIES MANAGEMENT
OMB/DFM CONTRACT #MJ1002000070A
NEW STORAGE BUILDING
AT THE
SUSSEX COUNTY FIRE MARSHAL
22705 PARK AVE
GEORGETOWN, DE 19947

PROJECT REVISIONS

MARK	DESCRIPTION	DATE

SHEET TITLE

CIVIL COVER SHEET

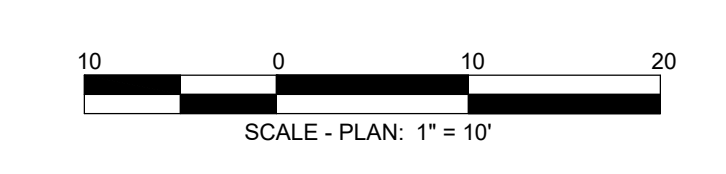
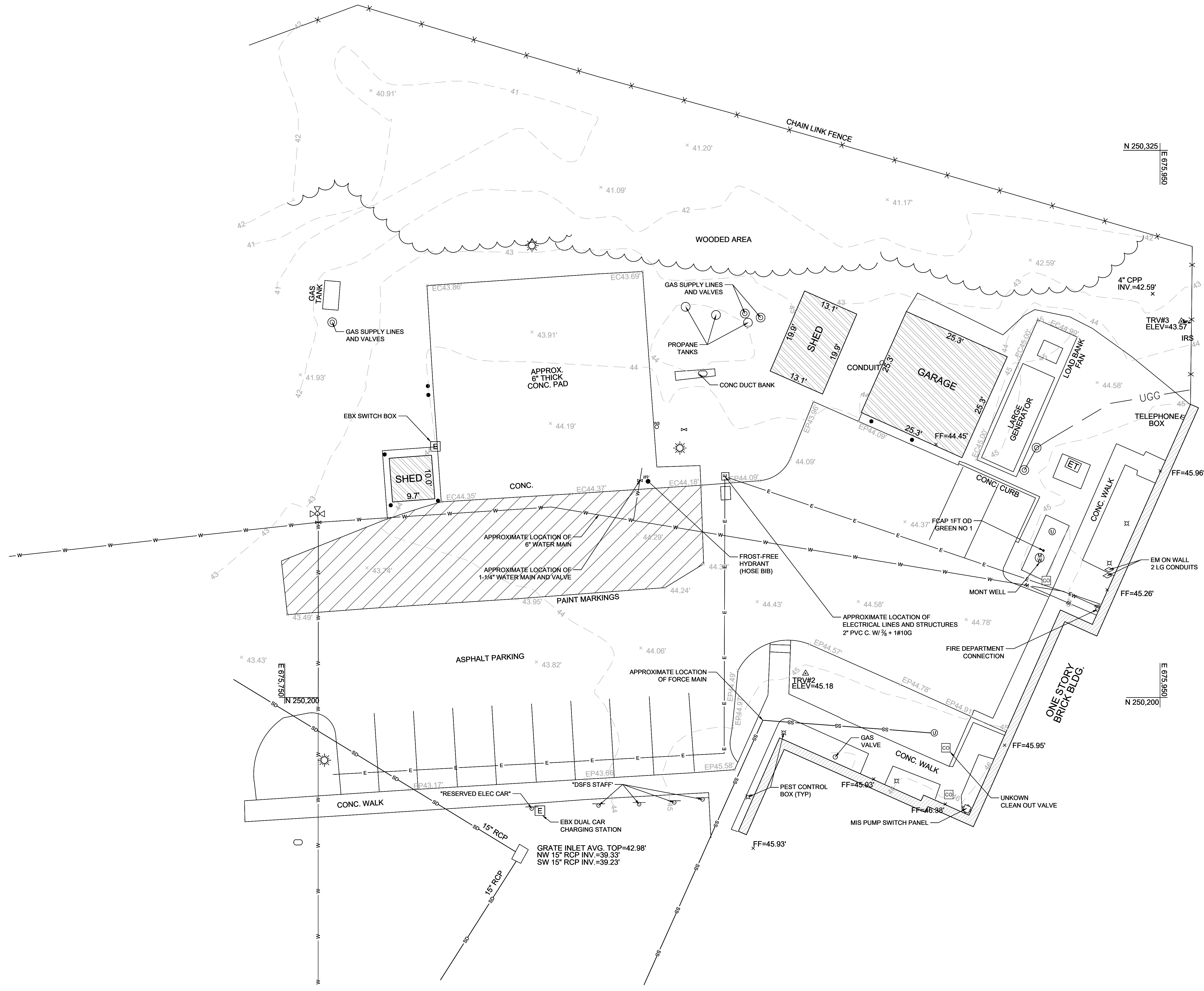
BID DOCUMENTS
MARCH 18, 2024

DRAWN	CHKD	PROJECT NO.
EG	JMS	23020

SHEET NO.

C-100

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ARCHITECTS & ENGINEERS || FACILITIES SOLUTIONS

WEBSITE: WWW.STUDIOJAED.COM

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200 W. MAIN ST. 110
PROVIDENCE, RHODE ISLAND 02903
P: 401.848.0884
F: 401.848.1622

DELAWARE OFFICE
100 W. MARKET ST. 110
REAR WAREHOUSE 1001
P: 302.832.1622

CIVIL ENGINEERING & LANDSCAPE ARCHITECTURE

P.O. BOX 882
NORFOLK, VA 23501
WWW.SITESTUDIOSINC.COM

CONSULTANT

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I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF DELAWARE.

SIGNATURE: *Jonathan Spalding*
DATE OF SIGNATURE: 3/18/24
DATE OF REGISTRATION EXPIRES: 6/30/24

ARCHITECT/ENGINEER SEAL

STATE OF DELAWARE
DIVISION OF FACILITIES MANAGEMENT
OMB/DFM CONTRACT #NJ1002000070A
NEW STORAGE BUILDING
AT THE
SUSSEX COUNTY FIRE MARSHAL
22705 PARK AVE
GEORGETOWN, DE 19947

PROJECT

REVISIONS		
MARK	DESCRIPTION	DATE

SHEET TITLE

EXISTING CONDITIONS PLAN

BID DOCUMENTS
MARCH 18, 2024

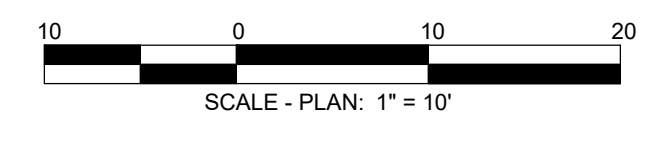
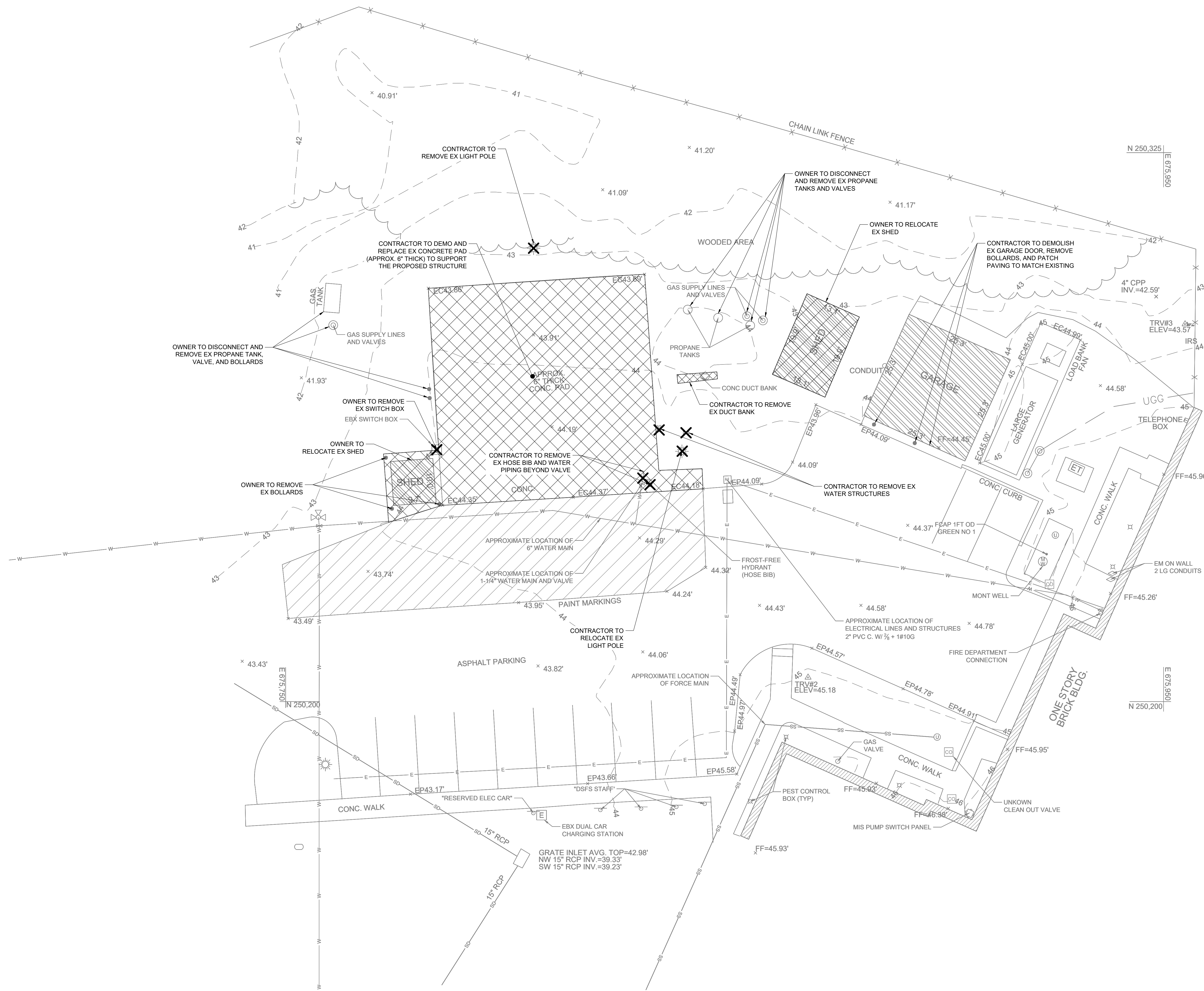
DRAWN	CHKD	PROJECT NO.
EG	JMS	23020

SHEET NO.

C-101

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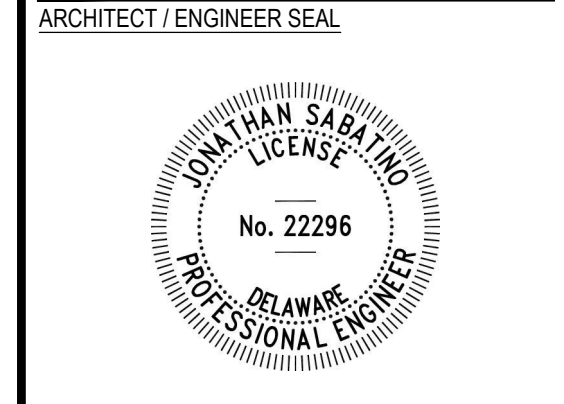
3/17/2024 12:52 PM



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 SIGNATURE: *Jonathan Spatoro*
 DATE OF SIGNATURE: 3/18/24
 DATE OF REGISTRATION EXPIRATION: 6/30/24



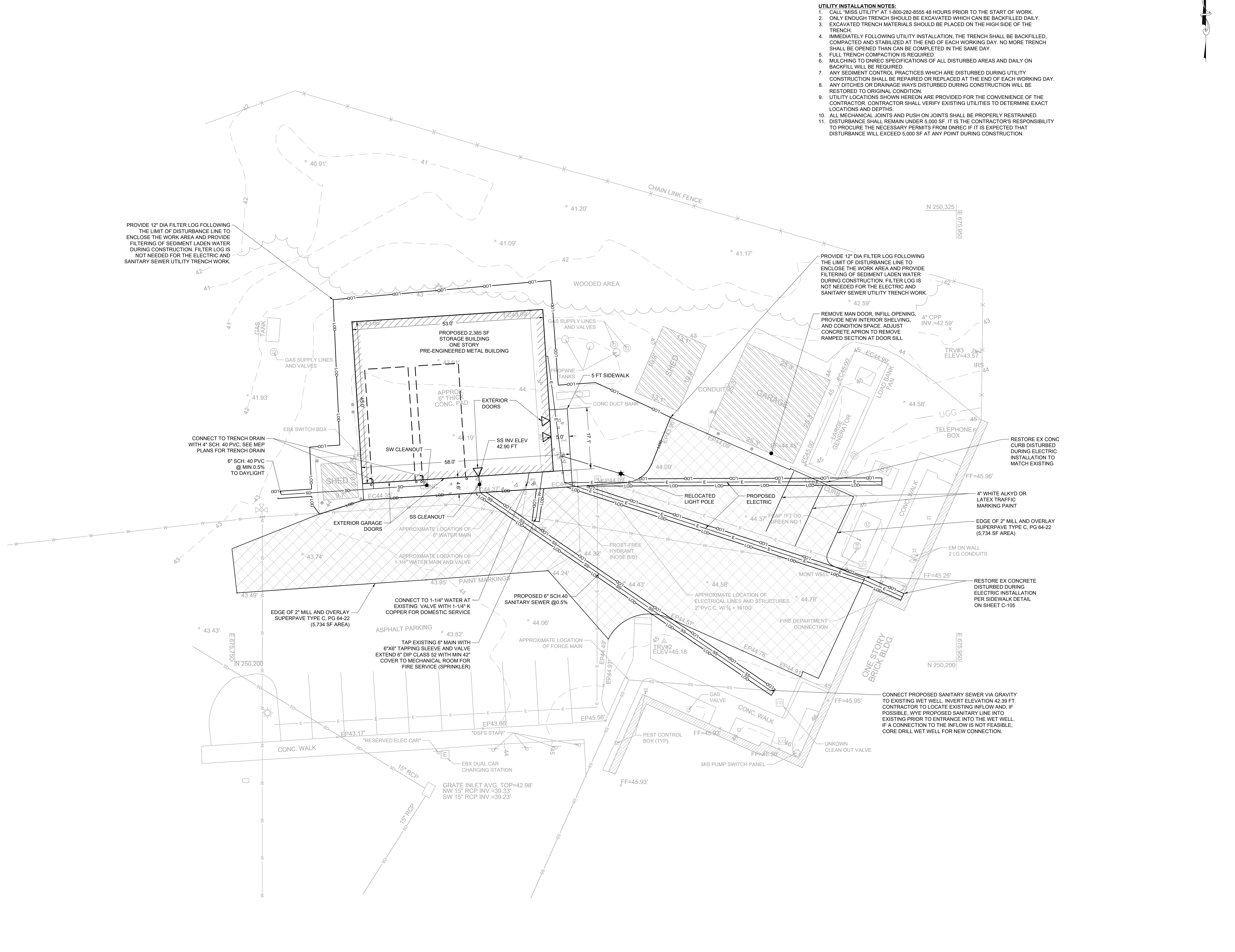
STATE OF DELAWARE
 OMB/DFM DIVISION OF FACILITIES MANAGEMENT
 OMB/DFM CONTRACT #AJ1002000070A
NEW STORAGE BUILDING
 AT THE
 SUSSEX COUNTY FIRE MARSHAL
 22705 PARK AVE
 GEORGETOWN, DE 19947

PROJECT

REVISIONS		
MARK	DESCRIPTION	DATE

SHEET TITLE
DEMOLITION PLAN
 BID DOCUMENTS
 MARCH 18, 2024
 DRAWN: EG, CHKD: JMS, PROJECT NO: 23020
 SHEET NO: **C-102**

THE REGISTERED PROFESSIONAL ENGINEER'S SEAL AND SIGNATURE ARE REQUIRED ON ALL SHEETS OF THIS DRAWING. THE REGISTERED PROFESSIONAL ENGINEER'S SEAL AND SIGNATURE ARE REQUIRED ON ALL SHEETS OF THIS DRAWING. THE REGISTERED PROFESSIONAL ENGINEER'S SEAL AND SIGNATURE ARE REQUIRED ON ALL SHEETS OF THIS DRAWING.



- UTILITY INSTALLATION NOTES:**
1. CALL "MISS UTILITY" AT 1-800-282-8555 48 HOURS PRIOR TO THE START OF WORK.
 2. ONLY ENOUGH TRENCH SHOULD BE EXCAVATED WHICH CAN BE BACKFILLED DAILY.
 3. EXCAVATED TRENCH MATERIALS SHOULD BE PLACED ON THE HIGH SIDE OF THE TRENCH.
 4. IMMEDIATELY FOLLOWING UTILITY INSTALLATION, THE TRENCH SHALL BE BACKFILLED, COMPACTED AND STABILIZED AT THE END OF EACH WORKING DAY. NO MORE TRENCH SHALL BE OPENED THAN CAN BE COMPLETED IN THE SAME DAY.
 5. FULL TRENCH COMPACTION IS REQUIRED.
 6. MULCHING TO DNREC SPECIFICATIONS OF ALL DISTURBED AREAS AND DAILY ON BACKFILL WILL BE REQUIRED.
 7. ANY SEDIMENT CONTROL PRACTICES WHICH ARE DISTURBED DURING UTILITY CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE END OF EACH WORKING DAY.
 8. ANY DITCHES OR DRAINAGE WAYS DISTURBED DURING CONSTRUCTION WILL BE RESTORED TO ORIGINAL CONDITION.
 9. UTILITY LOCATIONS SHOWN HEREON ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL VERIFY EXISTING UTILITIES TO DETERMINE EXACT LOCATIONS AND DEPTHS.
 10. ALL MECHANICAL JOINTS AND PUSH ON JOINTS SHALL BE PROPERLY RESTRAINED. DISTURBANCE SHALL REMAIN UNDER 5,000 SF. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROCURE THE NECESSARY PERMITS FROM DNREC IF IT IS EXPECTED THAT DISTURBANCE WILL EXCEED 5,000 SF AT ANY POINT DURING CONSTRUCTION.

PROVIDE 12" DIA FILTER LOG FOLLOWING THE LIMIT OF DISTURBANCE LINE TO ENCLOSE THE WORK AREA AND PROVIDE FILTERING OF SEDIMENT LADEN WATER DURING CONSTRUCTION. FILTER LOG IS NOT NEEDED FOR THE ELECTRIC AND SANITARY SEWER UTILITY TRENCH WORK.

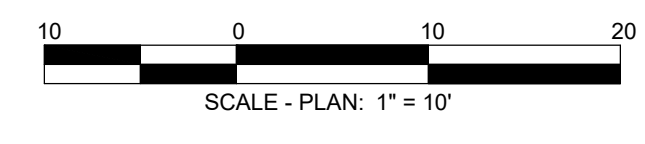
PROVIDE 12" DIA FILTER LOG FOLLOWING THE LIMIT OF DISTURBANCE LINE TO ENCLOSE THE WORK AREA AND PROVIDE FILTERING OF SEDIMENT LADEN WATER DURING CONSTRUCTION. FILTER LOG IS NOT NEEDED FOR THE ELECTRIC AND SANITARY SEWER UTILITY TRENCH WORK.

REMOVE MAN DOOR, INFILL OPENING, PROVIDE NEW INTERIOR SHELVING, AND CONDITION SPACE. ADJUST CONCRETE APRON TO REMOVE RAMPED SECTION AT DOOR SILL

RESTORE EX CONC CURB DISTURBED DURING ELECTRICAL INSTALLATION TO MATCH EXISTING

RESTORE EX CONCRETE DISTURBED DURING ELECTRICAL INSTALLATION PER SIDEWALK DETAIL ON SHEET C-105

CONNECT PROPOSED SANITARY SEWER VIA GRAVITY TO EXISTING WET WELL. INVERT ELEVATION 42.39 FT. CONTRACTOR TO LOCATE EXISTING INFLOW AND, IF POSSIBLE, WYE PROPOSED SANITARY LINE INTO EXISTING PRIOR TO ENTRANCE INTO THE WET WELL. IF A CONNECTION TO THE INFLOW IS NOT FEASIBLE, CORE DRILL WET WELL FOR NEW CONNECTION.



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DATE OF SIGNATURE: 3/18/24
DATE OF REGISTRATION EXPIRATION: 6/30/24

ARCHITECT / ENGINEER SEAL

STATE OF DELAWARE
OMB/DIFM CONTRACT #AJ1002000070A
NEW STORAGE BUILDING
AT THE
SUSSEX COUNTY FIRE MARSHAL
22705 PARK AVE
GEORGETOWN, DE 19947

PROJECT

REVISIONS		
MARK	DESCRIPTION	DATE

SHEET TITLE

SITE PLAN

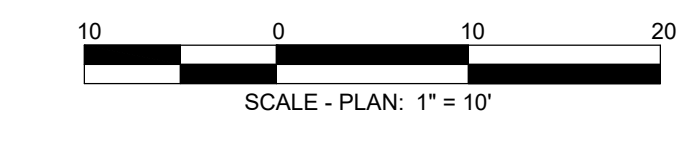
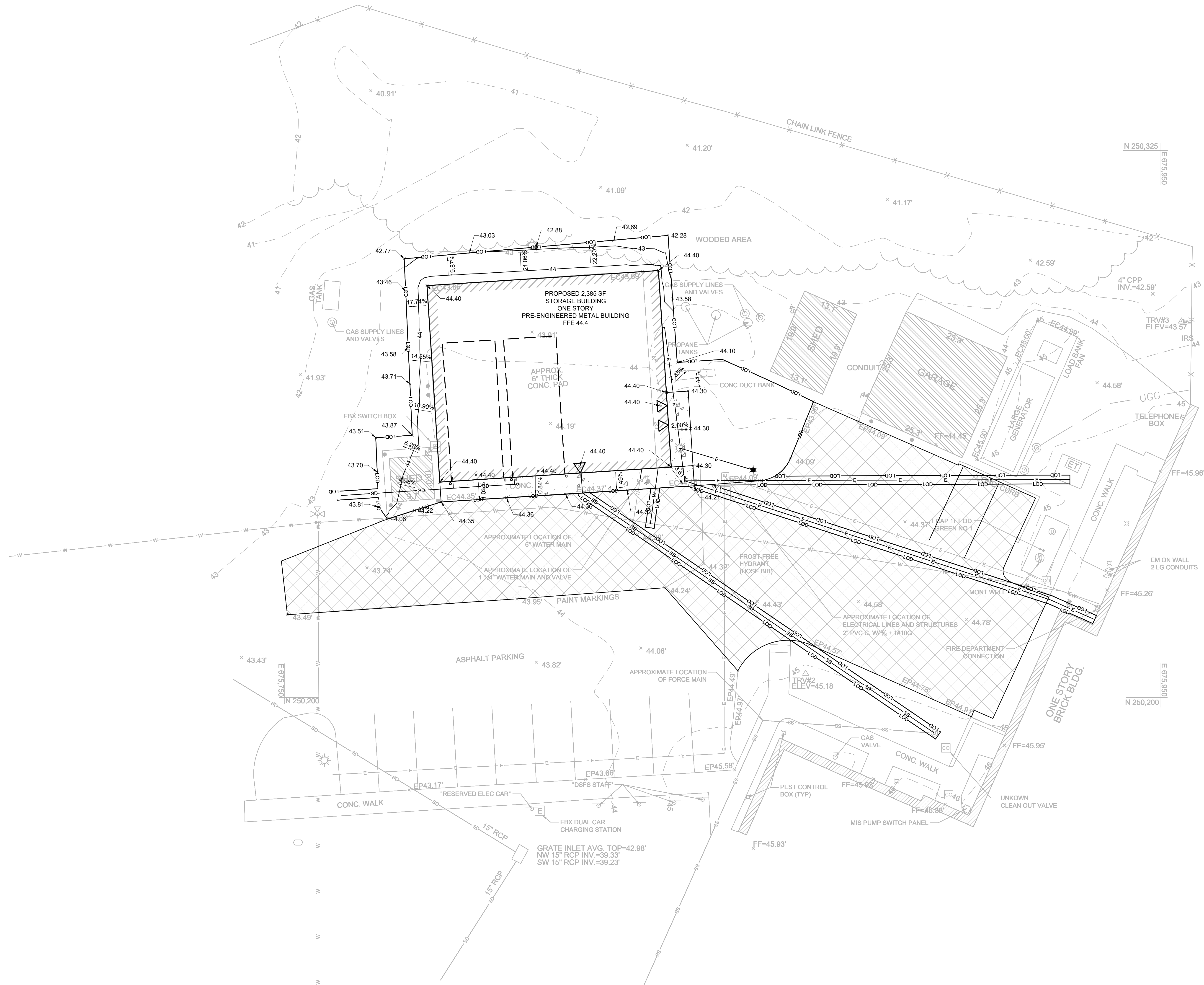
BID DOCUMENTS
MARCH 18, 2024

DRAWN	CHKD	PROJECT NO.
EG	JMS	23020

SHEET NO.

C-103

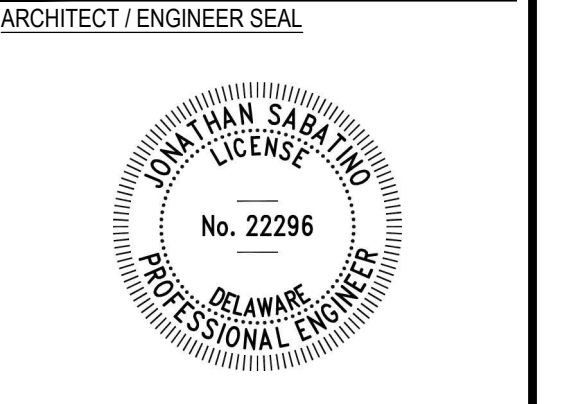
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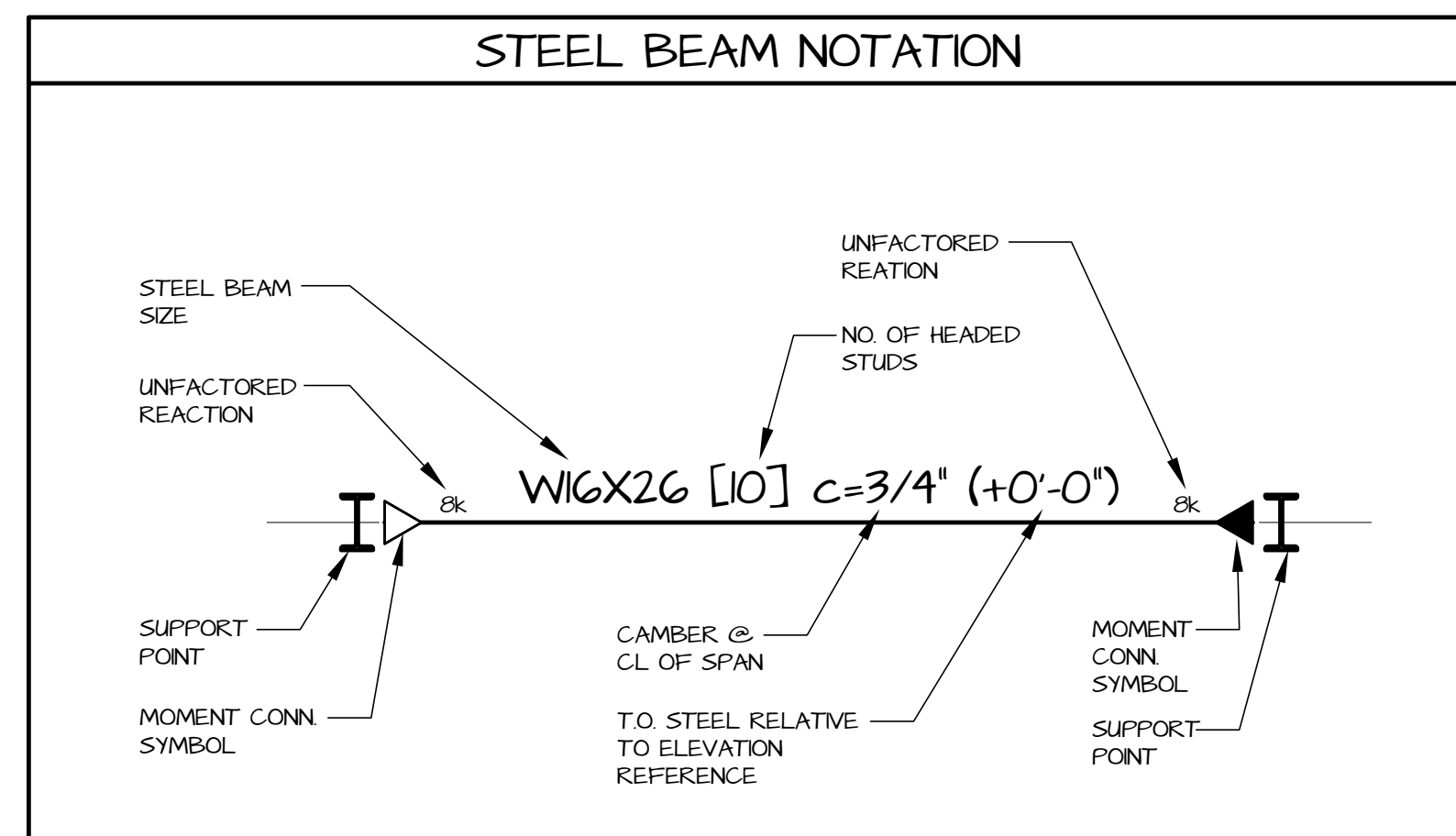
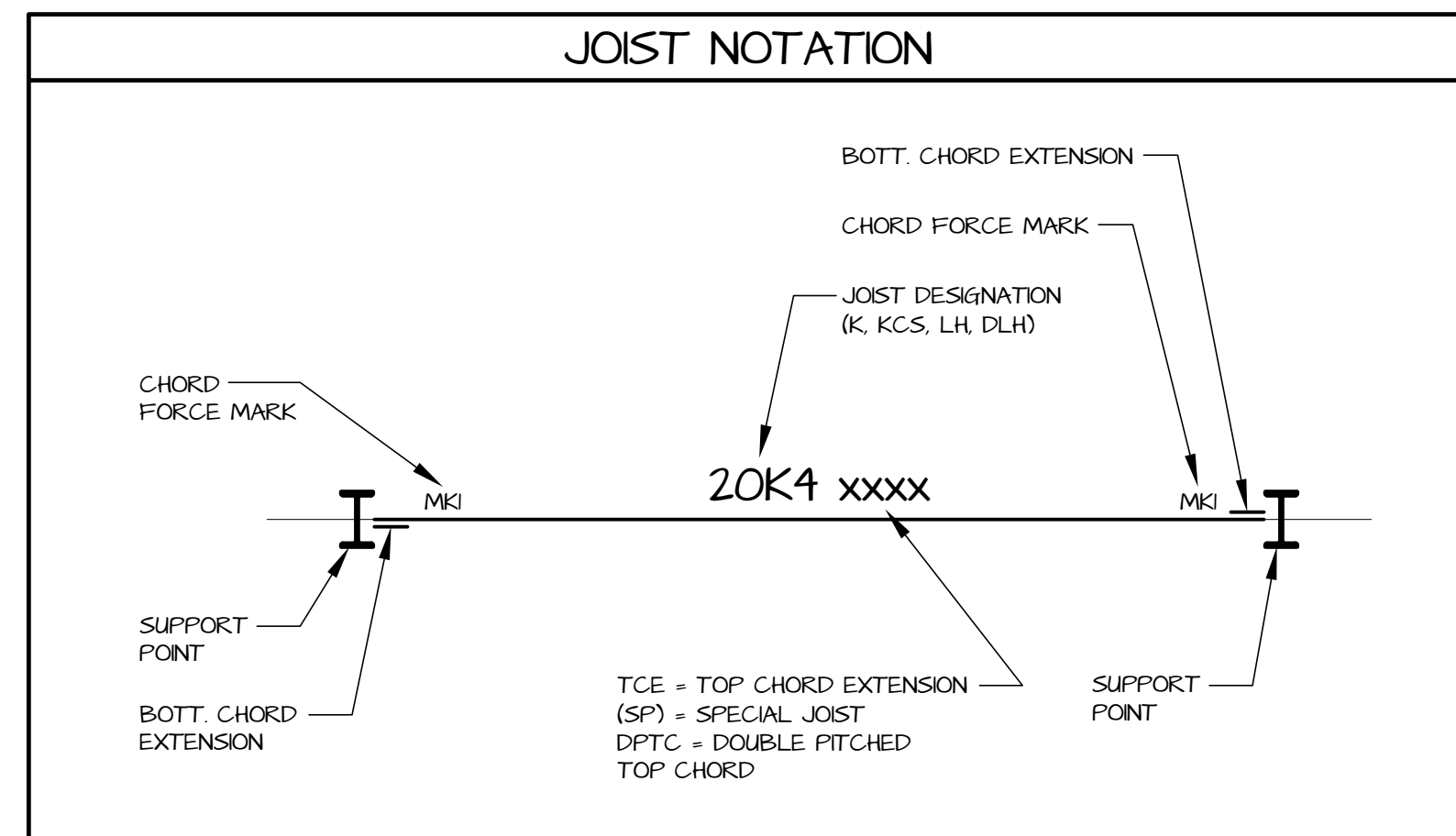
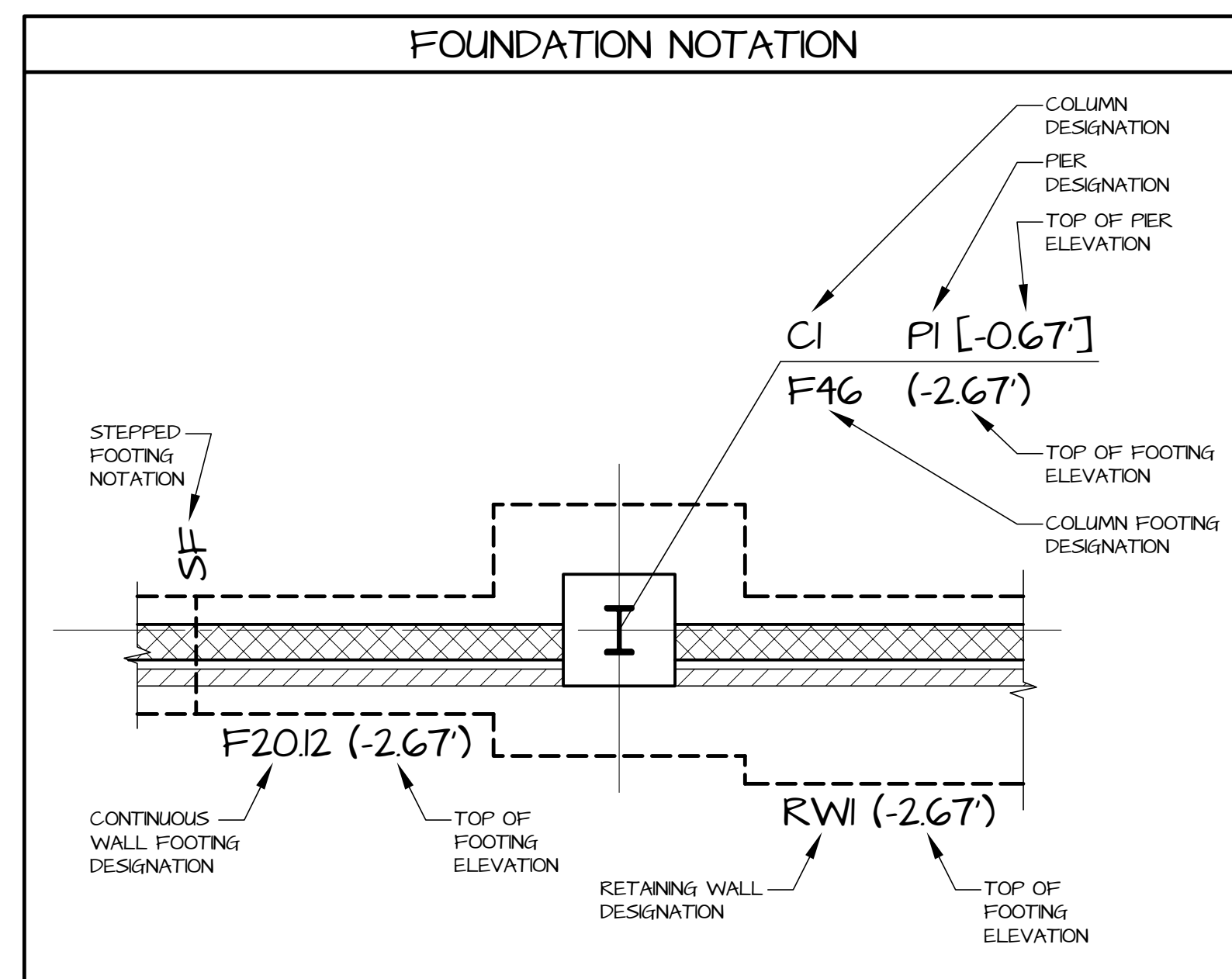
STATE OF DELAWARE
 OMB/DPM CONTRACT #NJ1002000070A
NEW STORAGE BUILDING
 AT THE
 SUSSEX COUNTY FIRE MARSHAL
 22705 PARK AVE
 GEORGETOWN, DE 19647

PROJECT

REVISIONS		
MARK	DESCRIPTION	DATE

SHEET TITLE
GRADING PLAN
 BID DOCUMENTS
 MARCH 18, 2024
 DRAWN: EG, CHKD: JMS, PROJECT NO: 23020
 SHEET NO:
C-104

196.012 - FIRE MARSHAL EVIDENCE STORAGE BUILDING



DRAWING ABBREVIATIONS

ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
APFL	ABOVE FINISHED FLOOR	LW	LIGHT WEIGHT CONCRETE
ADJ	ADJACENT	LL	LEVEL LINE
ALT	ALTERNATE	LLH	LONG LEG HORIZONTAL
APPROX	APPROXIMATE	LLV	LONG LEG VERTICAL
ARCH	ARCHITECTURAL	LP	LOW POINT
BM	BEAM	MFR. MANUF.	MANUFACTURER
BKG	BEARING	MAX	MAXIMUM
BP	BEARING PLATE	MECH	MECHANICAL
BS	BOTH SIZES	MECH. ELEC.	MECHANICAL ELECTRICAL
BOTT	BOTTOM	MEP	MECHANICAL ELECTRICAL PLUMBING
B.O.	BOTTOM OF	MIN	MINIMUM
BLDG	BUILDING	MISC	MISCELLANEOUS
CANT	CANTILEVER	NS	NEAR SIDE
CANT LE	CANTILEVER LEFT END	NOM	NORMAL
CANT RE	CANTILEVER RIGHT END	NBL	NON-BEARING LEVEL
CL	CAST IN PLACE	NBWH	NON-BEARING METAL HEADER
CL	CENTER LINE	NBWH	NON-BEARING WOOD HEADER
CLR	CLEAR	NW	NORMAL WEIGHT CONCRETE
COL	COLUMN	N/A	NOT AVAILABLE
CONC	CONCRETE	NC	NOT IN CONTRACT
CC	CONCRETE COLUMN	NFS	NOT TO SCALE
CMU	CONCRETE MASONRY UNIT	OC	ON CENTER
CONN	CONNECTION	OPNG	OPENING
CJ	CONTROL JOINT	OPP	OPPOSITE
CONT	CONTINUOUS	OD	OUTSIDE DIAMETER
COORD	COORDINATE	PL	PLATE
DL	DEAD LOAD	PC/P	POUNDS PER CUBIC FOOT
DA-Ø	DIAMETER	P/SF	POUNDS PER SQUARE FOOT
DM	DIAMETER	P/S	POUNDS PER SQUARE INCH
DBL	DOUBLE	P/C	PRECAST CONCRETE
DNLS	DOWELS	PREFAB	PREFABRICATED
DN	DOWN	PT	PRESSURE TREATED
DWG	DRAWING	RAD	RADIUS
EF	EACH FACE	REF	REFER OR REFERENCE
EW	EACH WAY	REINF	REINFORCING
EW/EF	EACH WAY EACH FACE	REBAR	REINFORCING BAR
EQS	EDGE OF SLAB	REQD	REQUIRED
EL	ELEVATION	RW	RETAINING WALL
ELEV	ELEVATOR	RD	ROOF DRAIN
EQ	EQUAL	RS	ROOF RAFTER
EQUIP	EQUIPMENT	RS	ROOF RAFTER
EXIST. (E)	EXISTING	SM	SIMILAR
EJ	EXPANSION JOINT	SDG	SLAB ON GRADE
EXT	EXTERIOR	SPEC	SPECIFICATION
EIFS	EXTERIOR INSULATION FINISH SYSTEM	SQ	SQUARE
FIN	FINISH	SS	STAINLESS STEEL
FF	FINISH FLOOR	STD	STANDARD
FLR	FLOOR	STL	STEEL
FD	FLOOR DRAIN	STFP	STEPPED FOOTING
FT	FOOT	STFP	STIFFENER
FRM	FOUNDATION	THK	THICK THICKNESS
GALV	GALVANIZED	TS	THICKENED SLAB
GA	GAGE	T&B	TOP & BOTTOM
GT	GRID TRUSS	T.O.B	TOP OF BEAM
GB	GRADE BEAM	T.O.C	TOP OF CONCRETE
HS	HANCHED SLAB	T.O.F	TOP OF FOOTING
HP	HIGH POINT	T.O.P	TOP OF PARAPET
HB	HOLD BEAM	T.O.S	TOP OF SLAB
HK	HOOK	T.O.STL	TOP OF STEEL
HORIZ	HORIZONTAL	T.O.W	TOP OF WALL
HORIZ	HORIZONTAL	TDS	TURNED DOWN SLAB
HREF	HORIZONTAL EACH FACE	TYP	TYPICAL
HIFS	HORIZONTAL INSIDE FACE	UNO	UNLESS NOTED OTHERWISE
HOP	HORIZONTAL OUTSIDE FACE	VERT	VERTICAL
IBC	INTERNATIONAL BUILDING CODE	WWF	WELDED WIRE FABRIC
K	KIPS (0000s)	WF	WIDE FLANGE
K/SF	KIPS PER SQUARE FOOT	W	WIDTH WIDE
L	ANGLE	W/W	WITH
LBS	POUNDS	W/O	WITHOUT
		W	WIDE

DRAWING SYMBOLS

SYMBOL	DESCRIPTION
[Symbol]	MOMENT CONNECTION - BEAM TO BEAM OR BEAM TO COLUMN - SEE PLAN FOR REQUIRED CONNECTION MOMENT CAPACITY, IF NO LOAD SHOWN, PROVIDE FULL CAPACITY OF BEAM IN ADDITION TO FULL DEPTH SHEAR CONNECTION
[Symbol]	FLEXIBLE MOMENT CONNECTION (FMC) - BEAM TO COLUMN CONNECTION SEE PLAN FOR REQUIRED CONNECTION MOMENT IF NO LOAD SHOWN, SEE TYPICAL DETAILS
[Symbol]	SLIDING CONNECTION @ EXPANSION JOINT
[Symbol]	CRIPPLE POINT IN STEEL MEMBER - SEE TYPICAL DETAIL FOR ADDITIONAL INFORMATION
[Symbol]	CHANGE IN SLAB ELEVATION
[Symbol]	SPOT ELEVATION LOCATION
[Symbol]	SLAB/DECK CONSTRUCTION TAG - SEE SCHEDULE FOR ADDITIONAL INFORMATION
[Symbol]	UTILITY LINE - COORDINATE SIZE & INVERT w/ UTILITY DRAWINGS
[Symbol]	FLOOR DRAIN - COORDINATE SIZE & LOCATION w/ ARCHITECTURAL & PLUMBING DRAWINGS
[Symbol]	TRENCH DRAIN - COORDINATE SIZE & LOCATION w/ ARCHITECTURAL & PLUMBING DRAWINGS
[Symbol]	SLOPE OF FLOOR/ ROOF/ SLAB
[Symbol]	SECTION MARK
[Symbol]	BUILDING ELEVATION
[Symbol]	DETAIL/ ENLARGED PLAN CALLOUT
[Symbol]	MECHANICAL UNIT ID & WEIGHT
[Symbol]	WALL TAG
[Symbol]	LEVEL DESIGNATION
[Symbol]	STRUCTURAL GRID DESIGNATION
[Symbol]	EXISTING STRUCTURAL GRID DESIGNATION

DRAWING MATERIALS

[Symbol]	CONCRETE/ PRECAST CONCRETE	[Symbol]	SHEAR WALLS
[Symbol]	COMPACTED EARTH / SITEWORK	[Symbol]	RIGID INSULATION
[Symbol]	CRUSHED STONE	[Symbol]	GROUT
[Symbol]	CONCRETE MASONRY UNIT	[Symbol]	MASONRY CONCRETE MASONRY UNIT
[Symbol]	AREA OF OVERFRAMING	[Symbol]	MECHANICAL UNIT
[Symbol]	BRICK VENEER	[Symbol]	WOOD
[Symbol]	STONE VENEER	[Symbol]	STEEL
[Symbol]	PLYWOOD SHEATHING/ DECKING	[Symbol]	METAL DECKING

DRAWING LIST

SHEET NUMBER	SHEET NAME
S-001	COVER SHEET
S-002	GENERAL NOTES & SCHEDULES
S-01	FOUNDATION & ATTIC FRAMING PLAN
S-02	ROOF FRAMING PLAN
S-03	FOUNDATION SECTIONS & TYPICAL DETAILS
S-04	FRAMING SECTIONS & TYPICAL DETAILS



CONSULTANT



17585 NASSAU COMMONS BLVD.
UNIT 3 | LEWES, DE 19958
PHONE: 302-703-1770

JOB NUMBER: 196.012
CONTACT: J. BAKER

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ARCHITECT / ENGINEER SEAL

STATE OF DELAWARE
OMB / DIVISION OF FACILITIES MANAGEMENT
OMB / DFM # M.1002000070A
EVIDENCE PROCESSING BUILDING
AT THE
SUSSEX COUNTY FIRE MARSHAL
OFFICE OF THE STATE FIRE MARSHAL - 2705 PARK AVE
GEORGETOWN, DE 19847

REVISIONS

MARK	DESCRIPTION	DATE

COVER SHEET

BID DOCUMENTS
MARCH 18, 2024

DRAWN JNR	CHKD JRB	PROJECT NO. 23020
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SHEET NO. S-001

12/17/2023 5:06 PM

PROJECT SPECIFICATIONS AND GENERAL NOTES

- GENERAL
1. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL DRAWINGS AND SPECIFICATIONS CONTAINED HEREIN
2. ALL WORK RELATED TO THE STAGING, CONSTRUCTION PRACTICES, AND SAFETY OF THE PROJECTS WORKERS AND PROPERTY SHALL BE CONSIDERED MEANS AND METHODS AND SHALL BE COMPLETED BY THE CONTRACTOR IN ACCORDANCE WITH STANDARD INDUSTRY PRACTICE...

SHOP DRAWING REQUIREMENTS

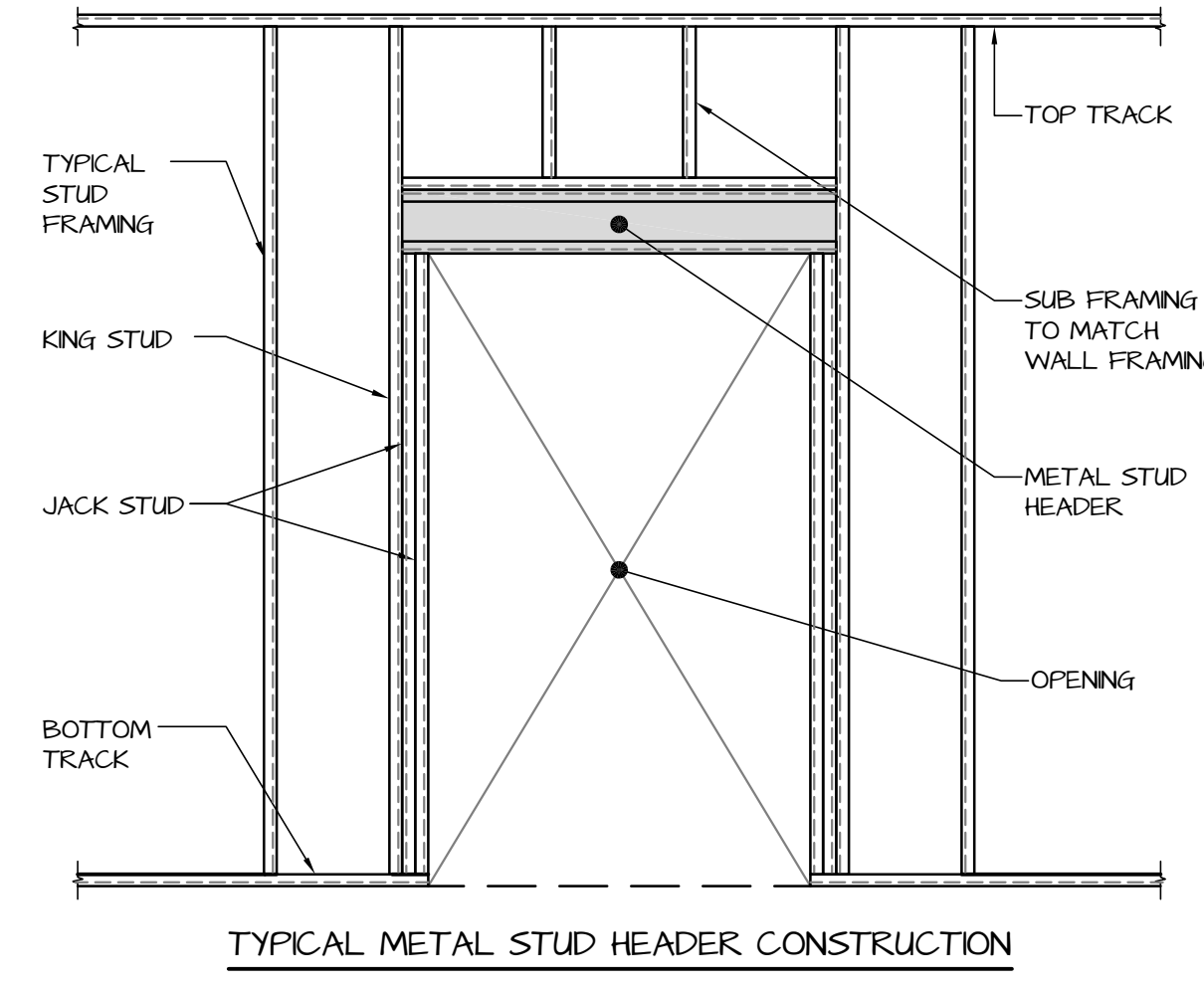
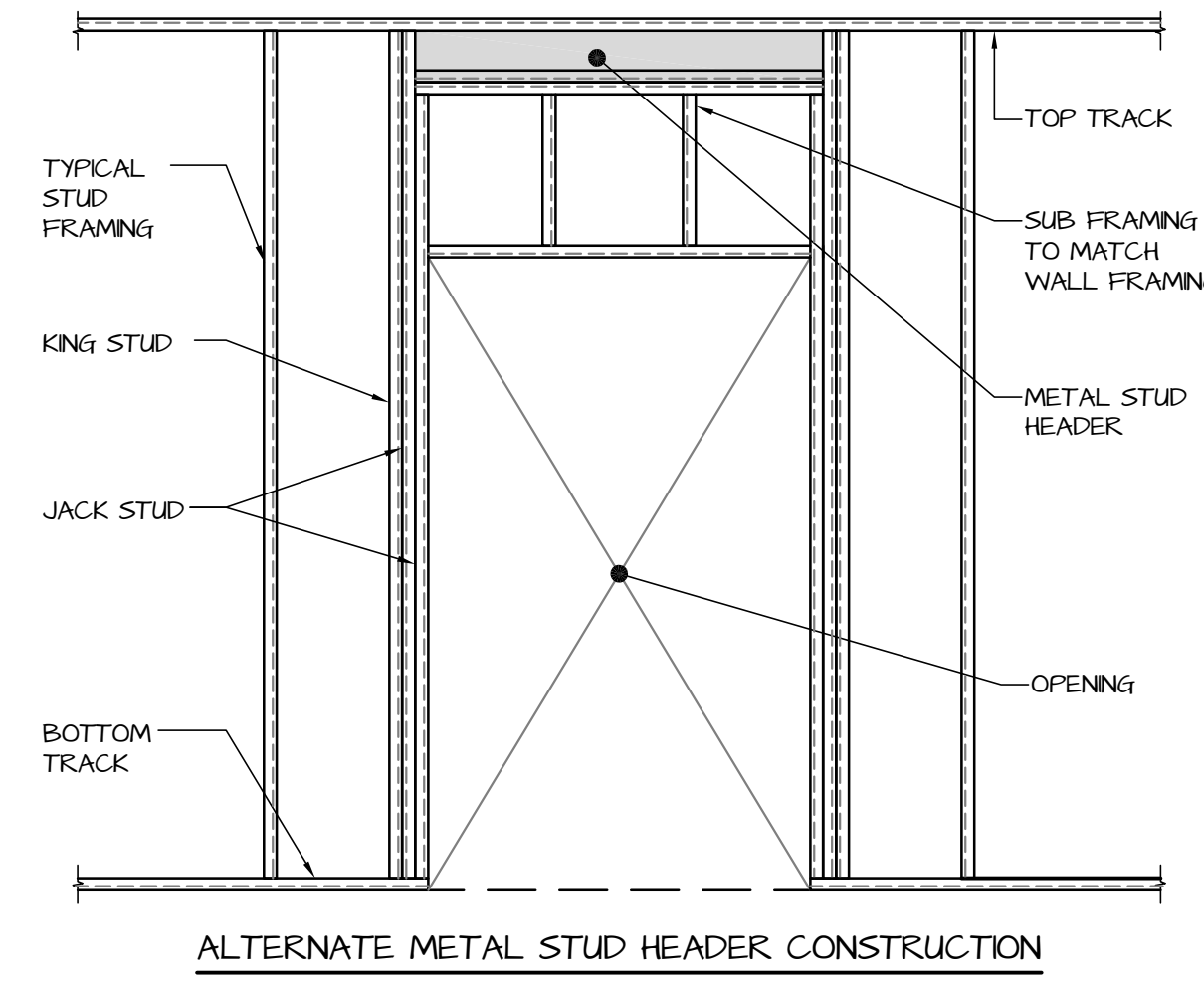
- 1. SHOP DRAWINGS SHALL BE SUBMITTED FOR THE FOLLOWING ITEMS FOR THIS PROJECT:
a. CONCRETE MIX DESIGNS INCLUDING ALL LABORATORY TESTING, MATERIALS, ETC.
b. REINFORCING SHOP DRAWINGS
c. ANCHOR BOLT AND CONCRETE EMBEDDED ASSEMBLIES
d. ALL ADJUSTURES, SEALANTS, HARDENERS, AND COATINGS

FOUNDATIONS

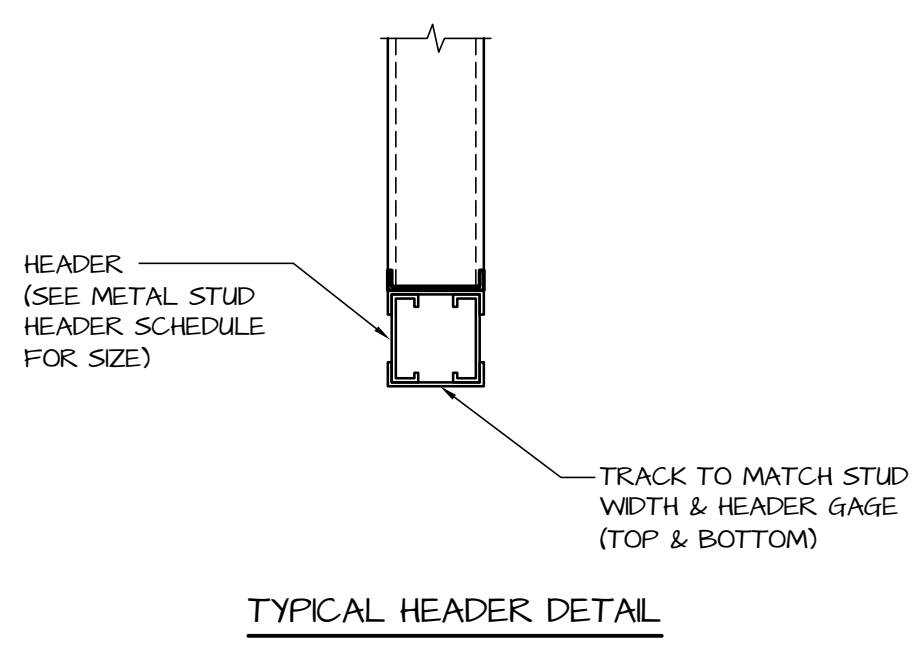
- 1. BOTTOM OF FOOTINGS SHALL BEAR ON UNDISTURBED VIRGIN SOIL OR CONTROLLED COMPACTED FILL CAPABLE OF SUPPORTING 2500 PSF.
2. BOTTOM OF FOOTING SUBGRADE MUST BE INSPECTED AND APPROVED BY A REGISTERED GEOTECHNICAL ENGINEER BEFORE PLACING ANY CONCRETE FOUNDATIONS...

CONCRETE

- 1. ALL CONCRETE SHALL BE READY-MIX AND PROPORTIONED ON THE BASIS OF LABORATORY TRIAL MIXTURE OR FIELD TEST DATA OR BOTH ACCORDING TO ACI 301 AND ACI 308. DESIGN MIXTURES SHALL MEET THE REQUIREMENTS BELOW:
a. INTERIOR SLABS ON GRADE:
i. MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS
ii. EXPOSURE CATEGORY F0



METAL STUD HEADER SCHEDULE table with columns: MARK, DESCRIPTION, JACK STUDS, KING STUDS, SECTION, REMARKS. Rows include MH1 through MH6.



METAL STUD HEADER SCHEDULE (NON-BEARING WALLS) table with columns: WIDTH OF OPENING, METAL STUD UNTEL SIZE, JAMB STUDS. Rows include UP TO 7'-0", 7'-0" TO 10'-0", and 10'-0" TO 12'-0".

WALL FOOTING SCHEDULE table with columns: MARK, DIMENSIONS (WIDTH, THICKNESS), REINFORCING (LONGITUDINAL, TRANSVERSE), REMARKS. Row F2012 shows 2'-0" width, 12" thickness, (3) #4 longitudinal, and #4 @ 24" o/c transverse.

WIND LOAD DESIGN CRITERIA table based on 2021 INTERNATIONAL BUILDING CODE. Columns: ITEM, SYMBOL, VALUE. Values include VULT 82 MPH, VASD 102 MPH, and I V risk category.

SEISMIC LOAD DESIGN CRITERIA table based on 2021 INTERNATIONAL BUILDING CODE. Columns: ITEM, SYMBOL, VALUE. Values include S D 0.104, S DS 0.08, and I V risk category.

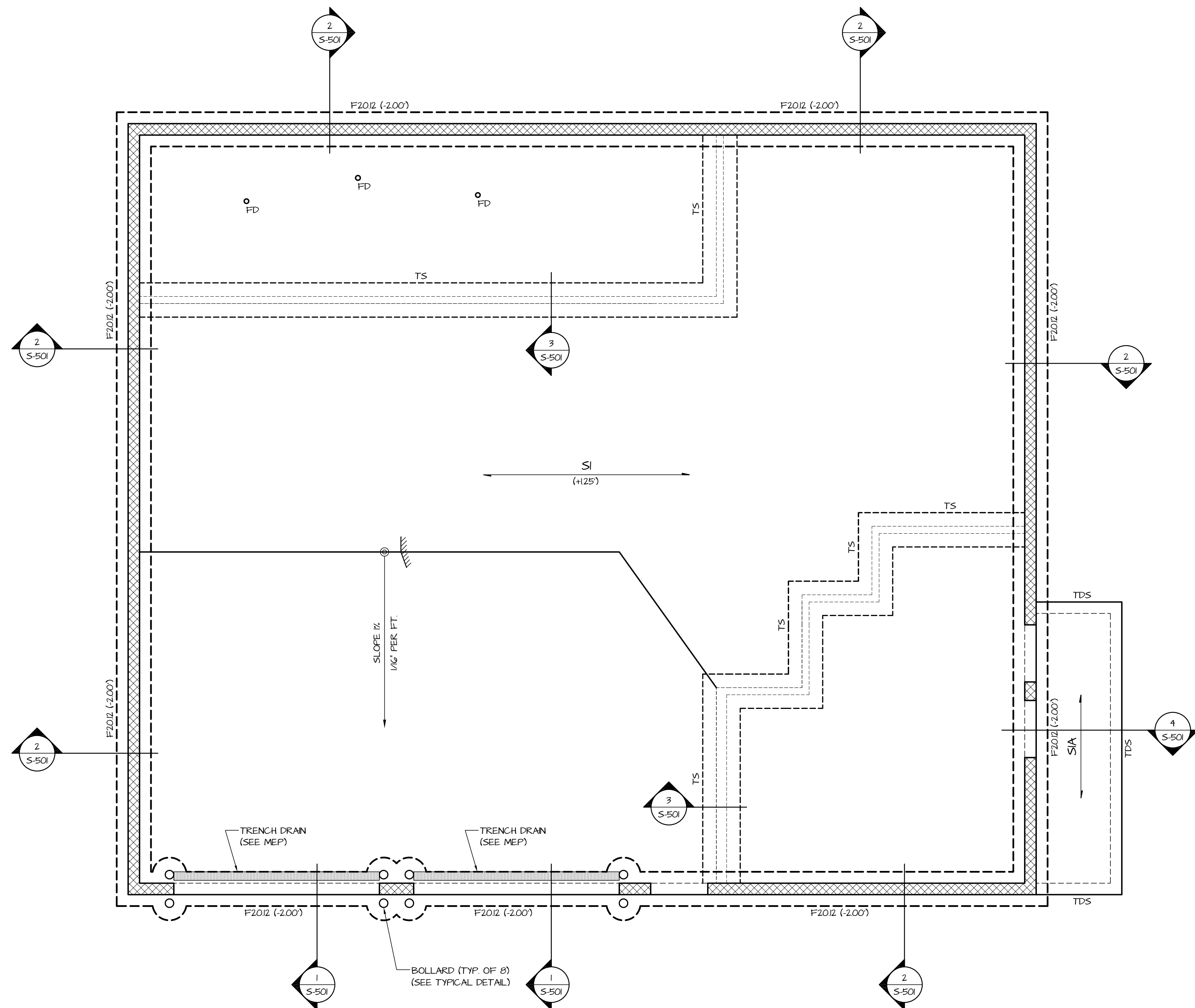
SNOW LOAD DESIGN CRITERIA table based on 2021 INTERNATIONAL BUILDING CODE. Columns: ITEM, SYMBOL, VALUE. Values include P G 20 PSF, I V risk category, and P F 20 PSF flat-roof snow load.

DESIGN LOAD SCHEDULE (psf) table with columns: LOCATION (GROUND, ATTIC FLOOR, ROOF), DEAD LOAD COMPONENT, and values for various components like 4" CONCRETE SLAB ON GRADE (75 psf), FRAMING (5 psf), etc.

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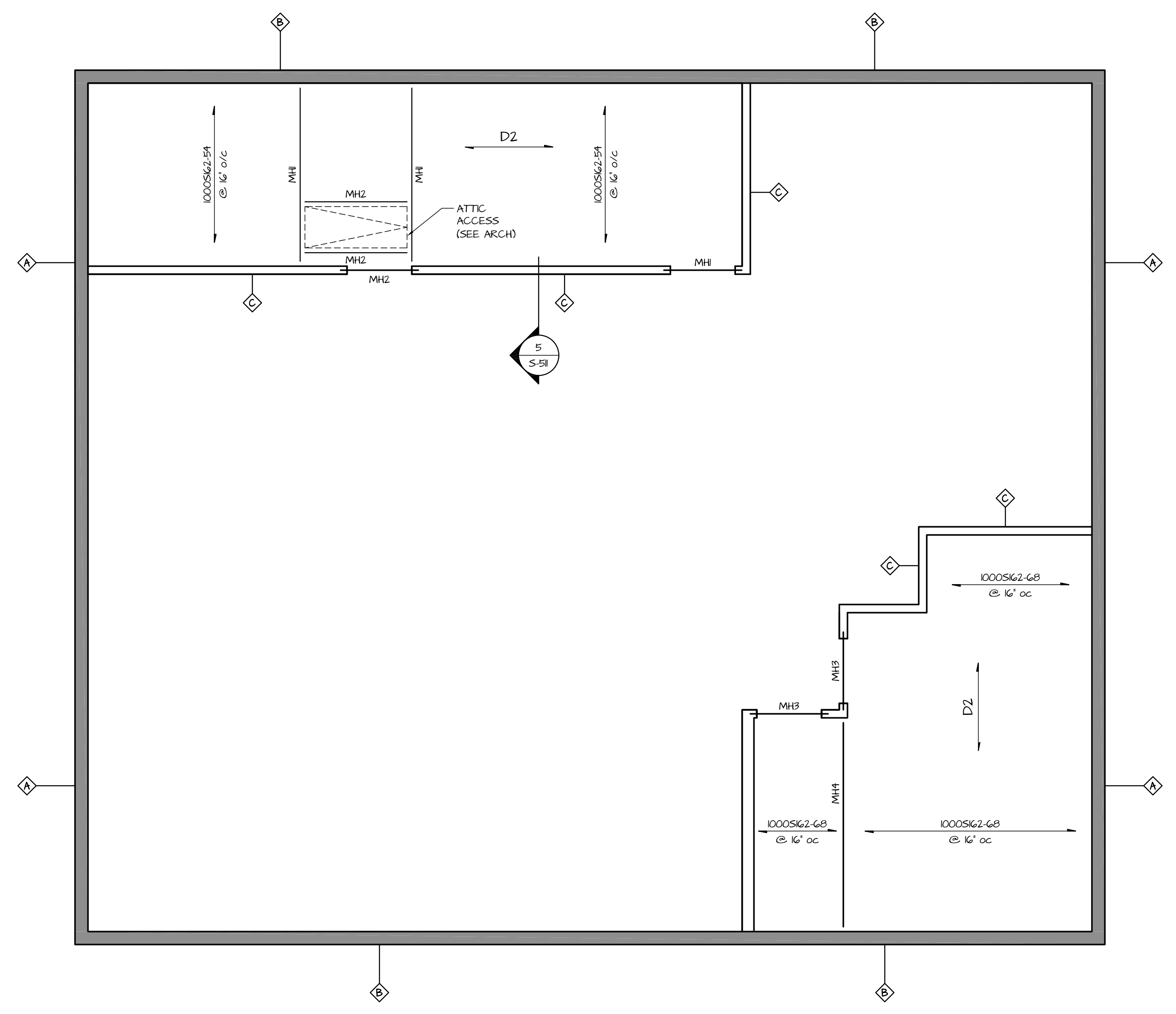
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FOUNDATION PLAN

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

- NOTES:
1. TOP OF SLAB EL. - DATUM EL. (0.00) UNLESS NOTED OTHERWISE THIS (.)
 2. SEE PLAN FOR TOP OF FOOTING ELEVATION BELOW DATUM ELEVATION.
 3. TDS INDICATES TURNED DOWN SLAB. SEE TYPICAL DETAIL FOR ADDITIONAL INFORMATION.
 4. 'S./ D.' INDICATES FLOOR/ ROOF CONSTRUCTION. SEE SCHEDULE ON THIS SHEET FOR ADDITIONAL INFORMATION.
 5. COORDINATE ALL UNDER SLAB PIPING WITH ARCHITECTURAL/MECHANICAL DRAWINGS.
 6. COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO BUILDING LAYOUT.
 7. PROVIDE (2) #4 x 4'-0" LG. CONCRETE CORNER BARS IN SLAB.
 8. 'TS' INDICATES THICKENED SLAB.
 9. 'FD' INDICATES FLOOR DRAIN. COORDINATE SIZE & LOCATION WITH ARCHITECTURAL/MECHANICAL DRAWINGS.



ATTIC FRAMING PLAN

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

NOTES:

WALL SCHEDULE		
MARK	DESCRIPTION	WIDTH
A	8005200-6B @ 16' o/c	0'-8"
B	800562-5A @ 16' o/c	0'-8"
C	600562-5A @ 16' o/c	0'-6"

SLAB/ DECK CONSTRUCTION SCHEDULE		
MARK	SECTION	DESCRIPTION
SI		4" CONCRETE SLAB ON GRADE w/ 6x6-W/4x4 W/WF OVER 4" CRUSHED STONE
SIA		4" CONCRETE (w/ 6" AIR ENTRAINMENT) SLAB ON GRADE w/ 6x6-W/4x4 W/WF OVER 4" CRUSHED STONE
D1		5/8" PLYWOOD ROOF SHEATHING
D2		1" PLYWOOD FLOOR SHEATHING

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PROJECT

STATE OF DELAWARE
 OMBI / DIVISION OF FACILITIES MANAGEMENT
 OMBI / DFM # MJ1002000070A
EVIDENCE PROCESSING BUILDING
 AT THE
 SUSSEX COUNTY FIRE MARSHAL
 OFFICE OF THE STATE FIRE MARSHAL - 22705 PARK AVE
 GEORGETOWN, DE 19847

REVISIONS		
MARK	DESCRIPTION	DATE

SHEET TITLE

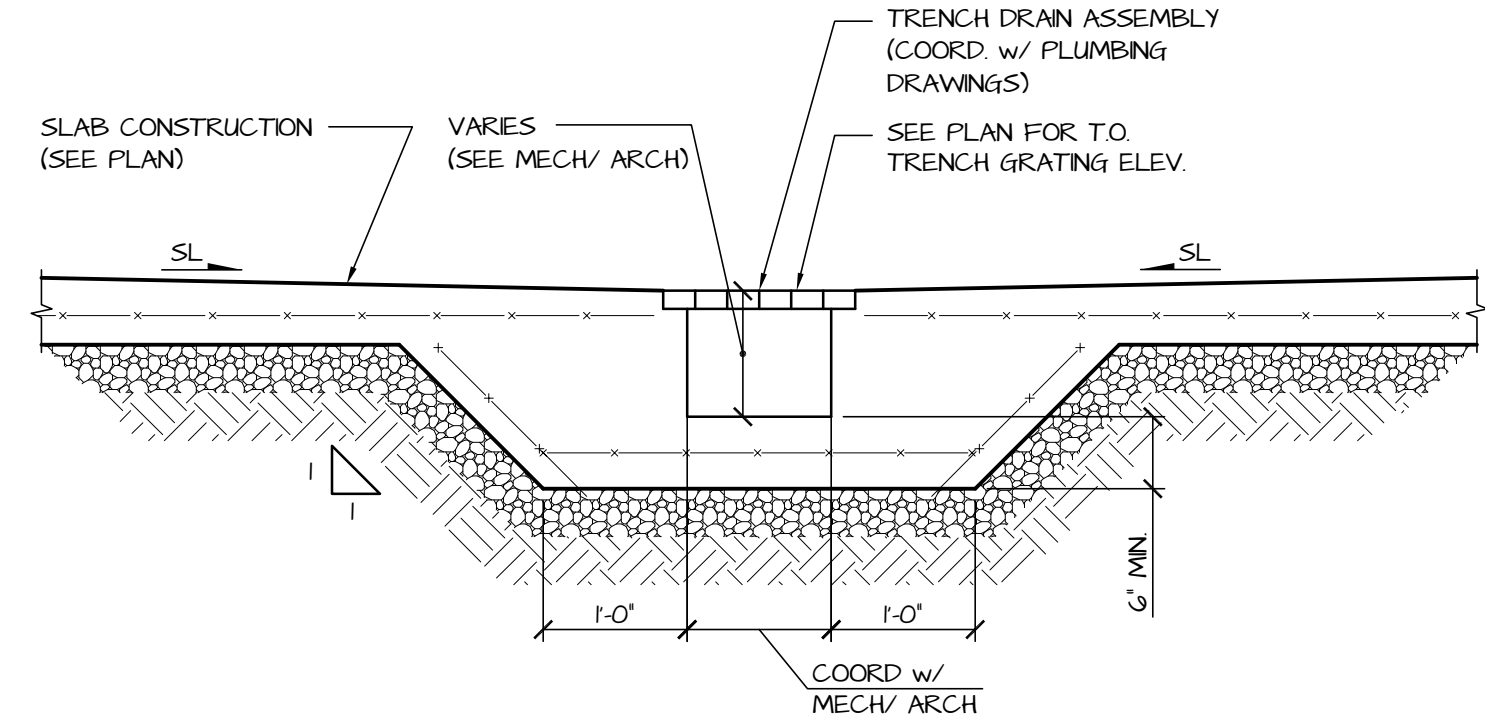
FOUNDATION & ATTIC FRAMING PLAN

BID DOCUMENTS
 MARCH 18, 2024

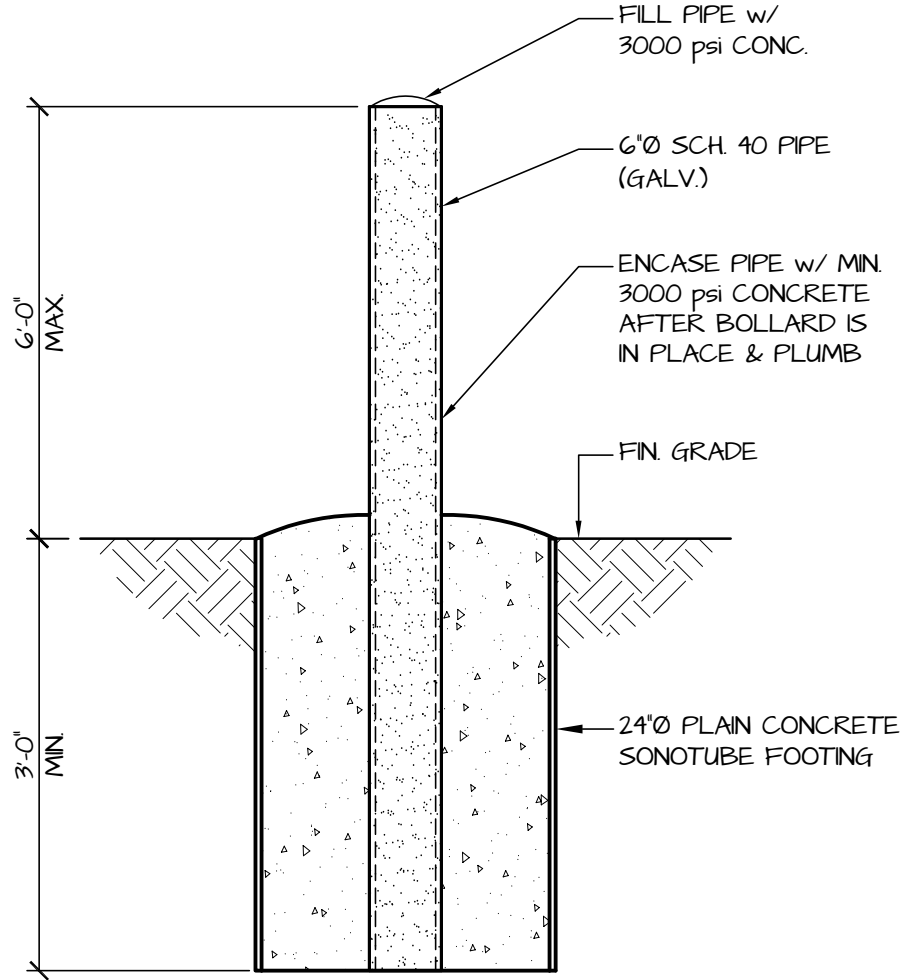
DRAWN	CHKD	PROJECT NO.
JNR	JRB	23020

SHEET NO.

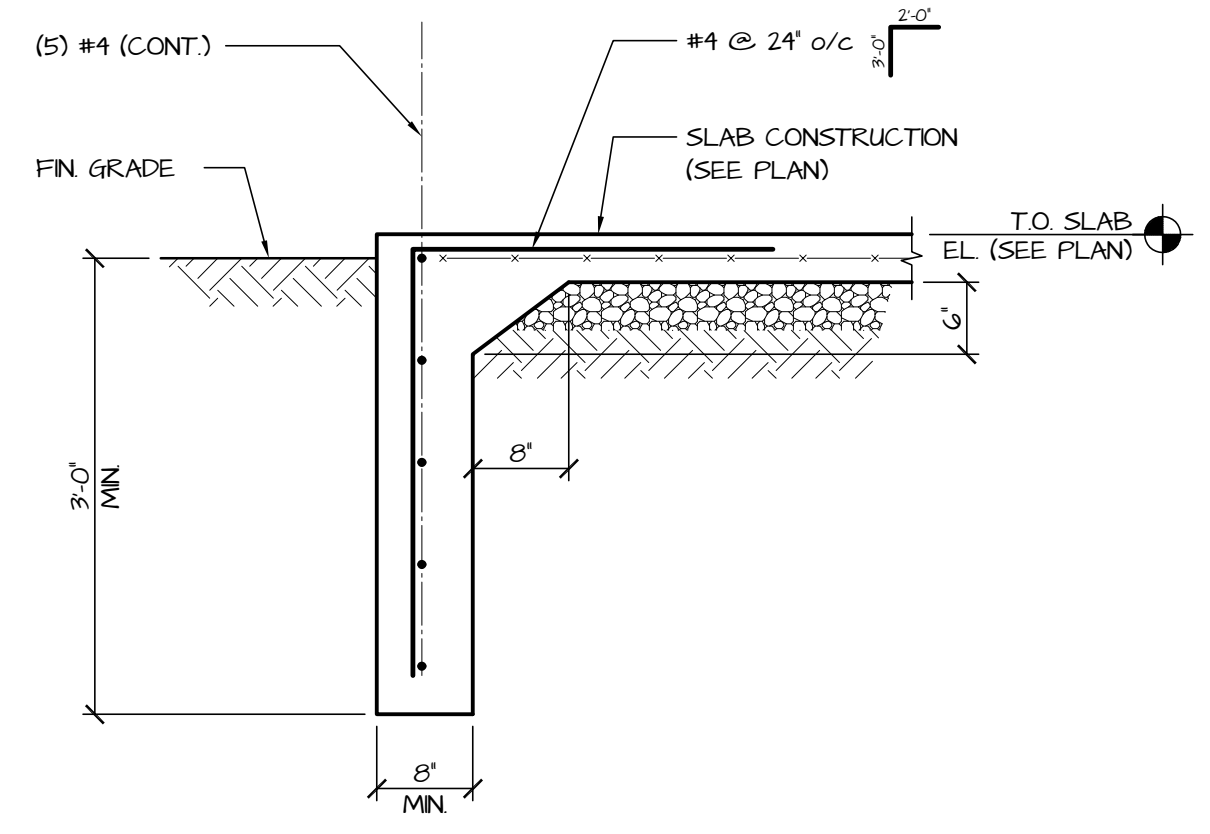
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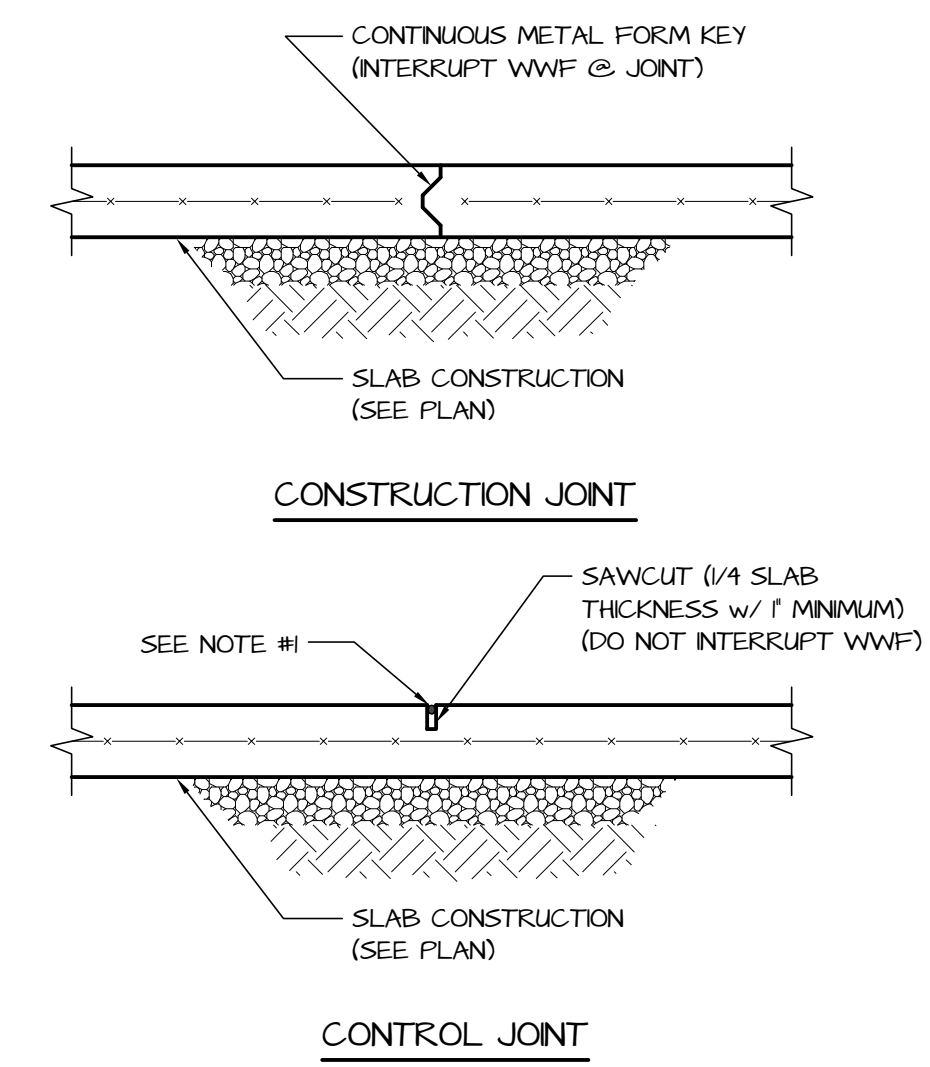
TYPICAL TRENCH DRAIN DETAIL



TYPICAL BOLLARD DETAIL

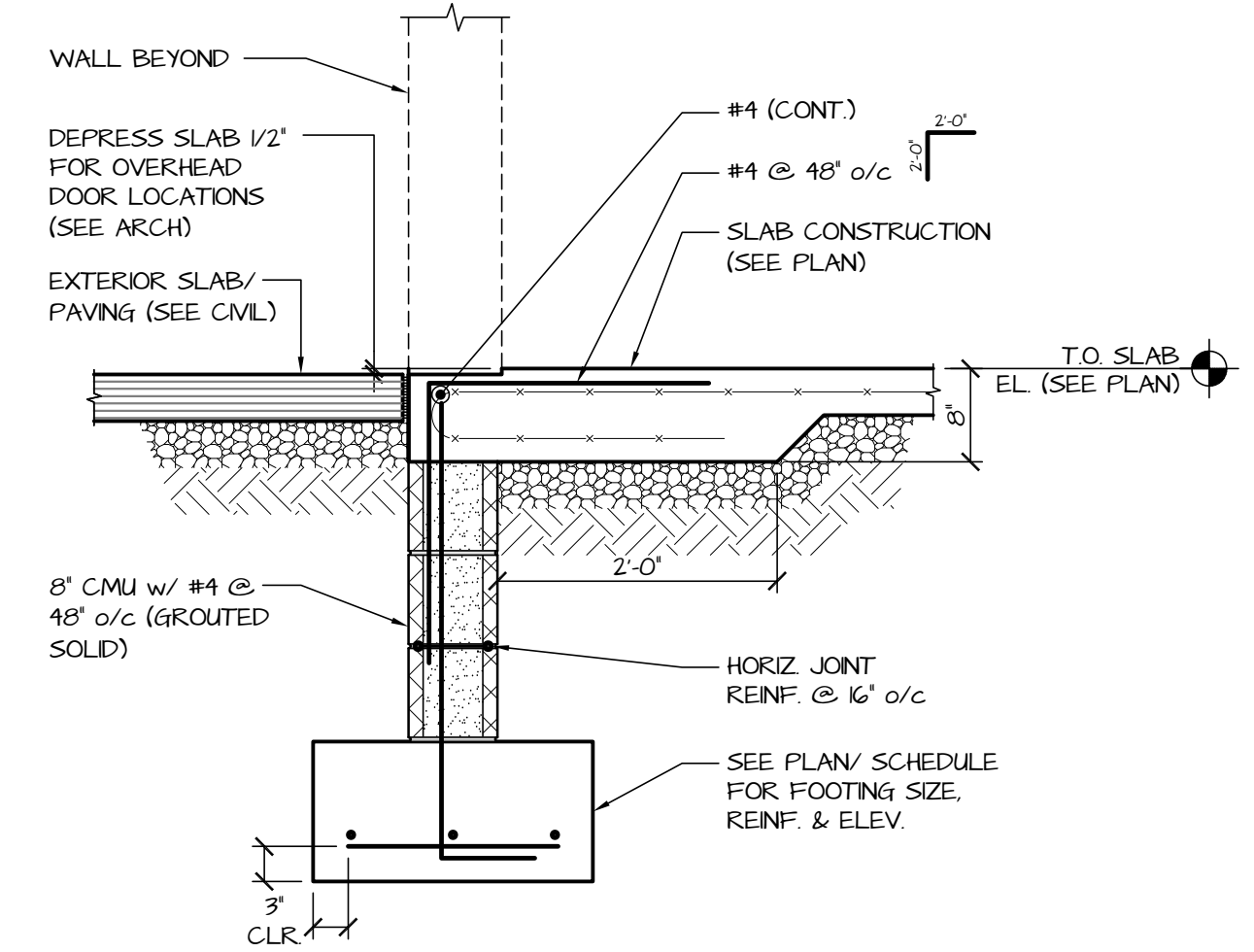


TYPICAL TURNED DOWN SLAB DETAIL

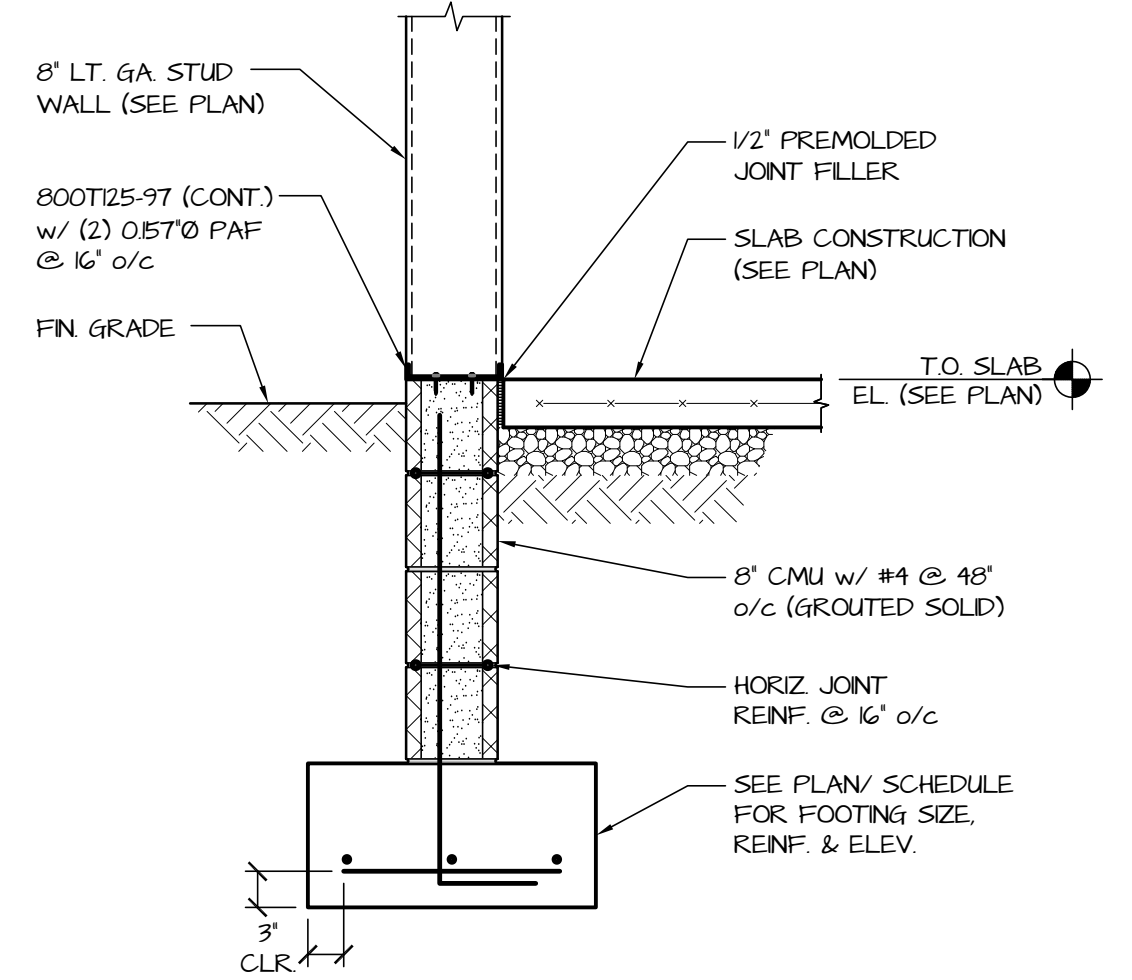


TYPICAL SLAB ON GRADE JOINT DETAILS

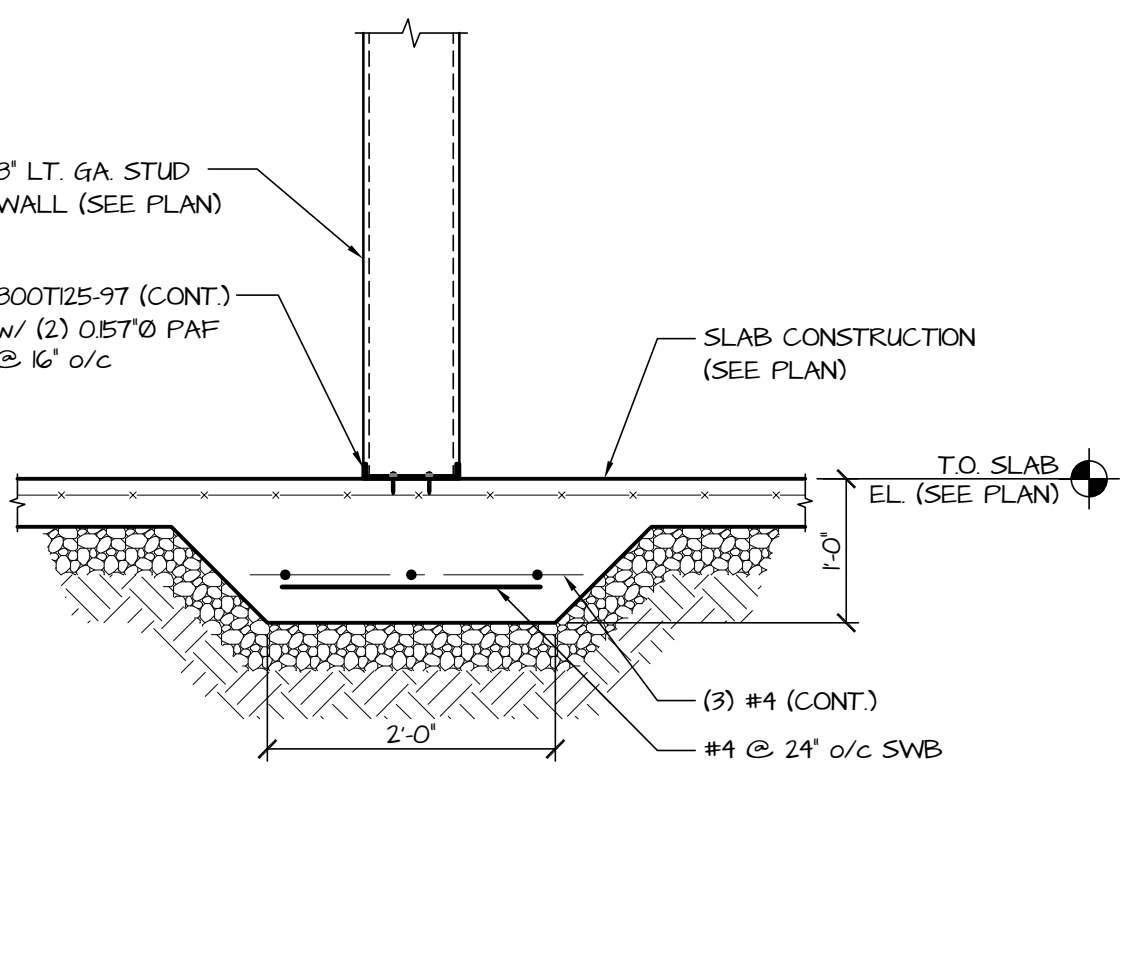
- NOTES:
1. PROVIDE SEMIRIGID FILLER @ HIGH VEHICLE TRAFFIC AREAS.
 2. CONSTRUCTION JOINTS & CONTROL JOINTS SHALL CREATE PANELS OF 225sqft (MAX) LENGTH TO WIDTH RATIO NOT TO EXCEED 1/2. 1
 3. SAWCUT INTERIOR SLABS WITHIN 24 HOURS OF CONCRETE POUR; SAWCUT EXTERIOR SLABS WITHIN 48 HOURS OF CONCRETE POUR OR COVER TO PREVENT EXCESSIVE MOISTURE EVAPORATION.



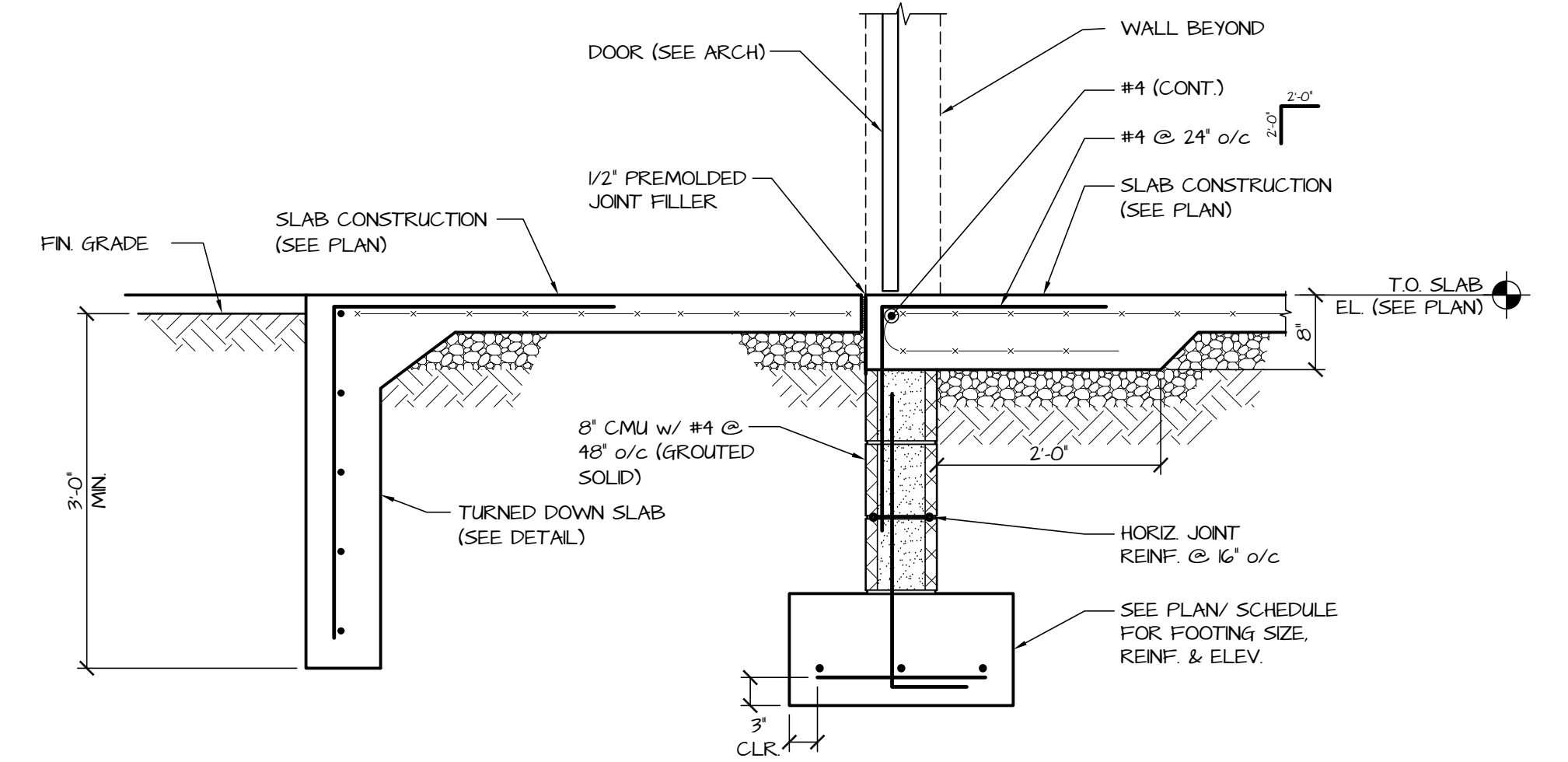
SECTION 1 S-501



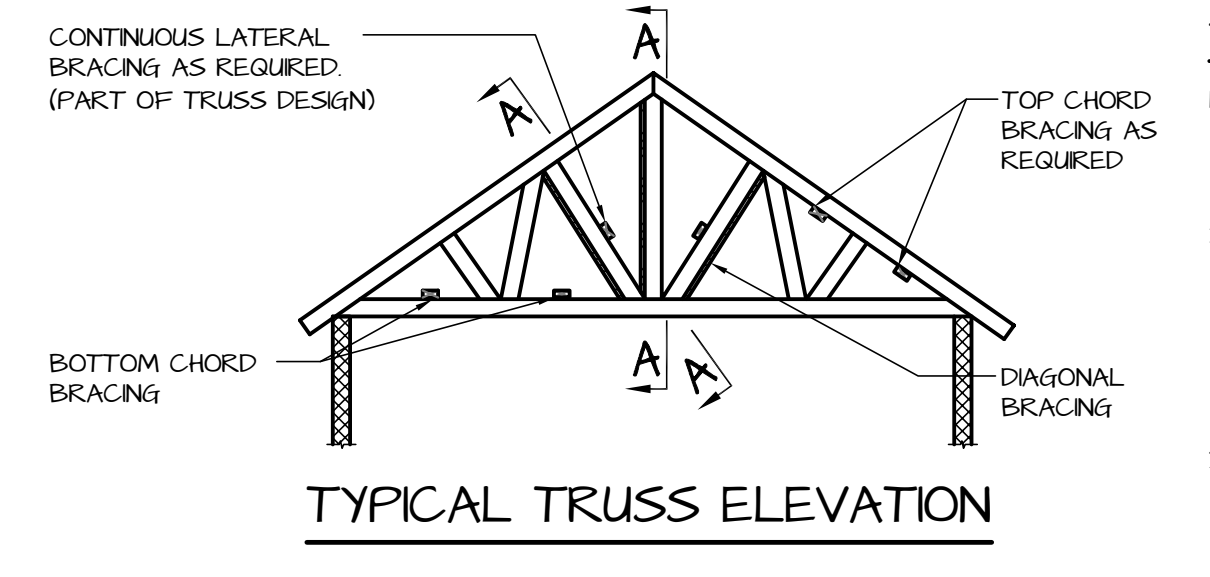
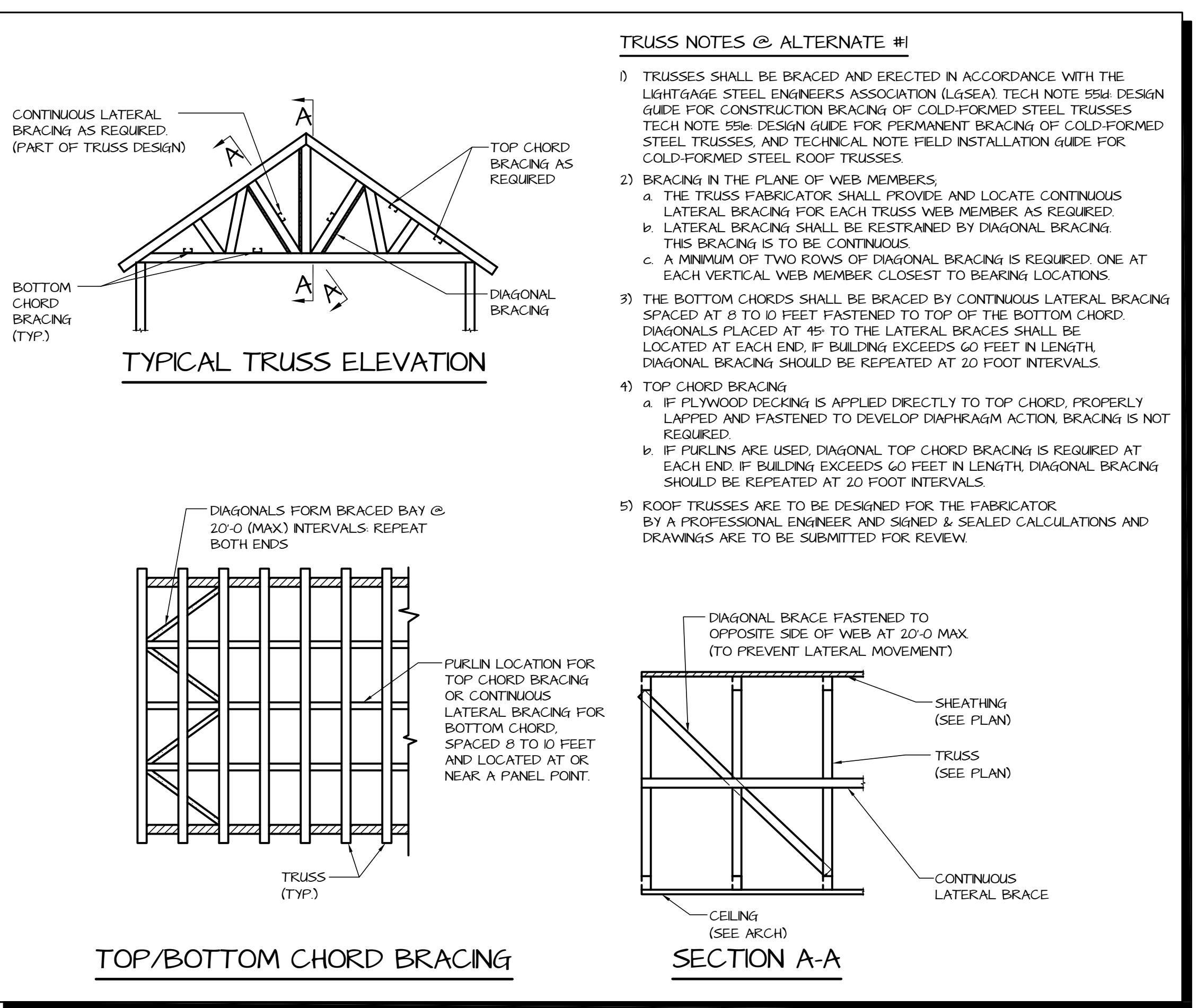
SECTION 2 S-501



SECTION 3 S-501

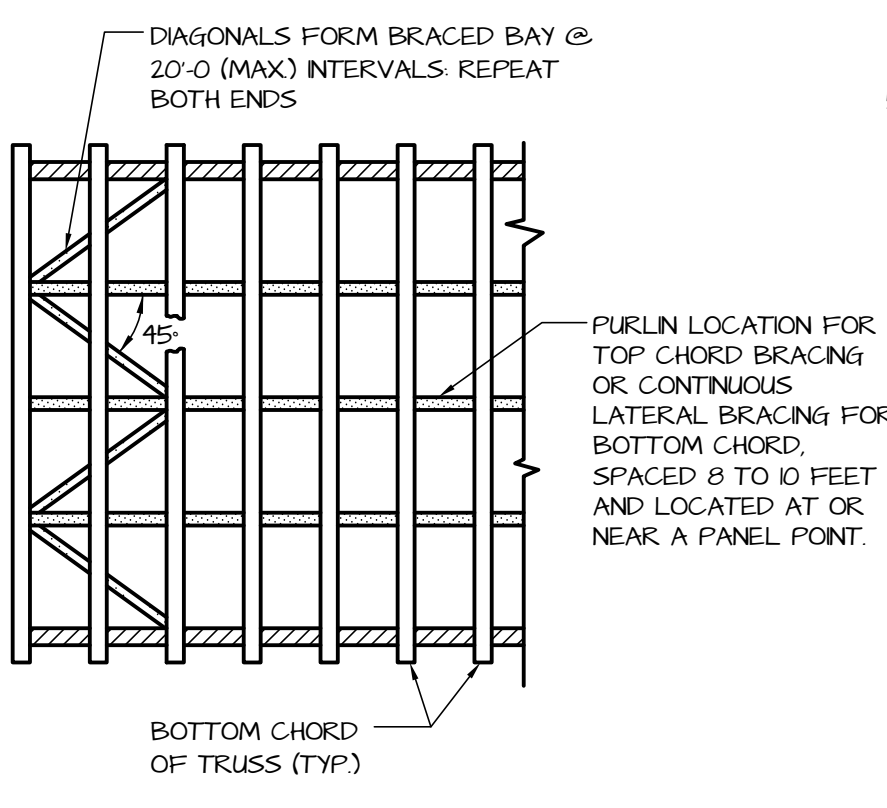


SECTION 4 S-501

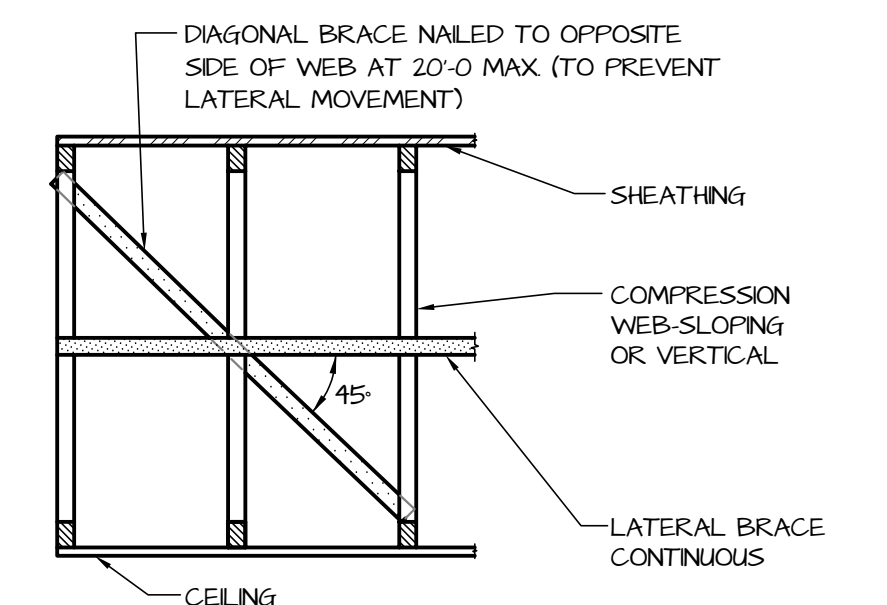


TYPICAL TRUSS ELEVATION

- TRUSS NOTES**
- 1) WOOD TRUSSES SHALL BE BRACED AND ERECTED IN ACCORDANCE WITH THE BUILDING COMPONENT SAFETY INFORMATION MANUAL, PUBLISHED MAY 2008 AND THE TRUSS PLATE INSTITUTE BRACING WOOD TRUSSES COMMENTARY AND RECOMMENDATIONS, BWT-76.
 - 2) BRACING IN THE PLANE OF WEB MEMBERS.
 - a. THE TRUSS FABRICATOR SHALL PROVIDE AND LOCATE CONTINUOUS LATERAL BRACING FOR EACH TRUSS WEB MEMBER AS REQUIRED.
 - b. LATERAL BRACING SHALL BE RESTRAINED BY DIAGONAL BRACING (MIN 2" THICK NOMINAL LUMBER). THIS BRACING IS TO BE CONTINUOUS.
 - c. A MINIMUM OF TWO ROWS OF DIAGONAL BRACING IS REQUIRED: ONE AT EACH VERTICAL WEB MEMBER CLOSE TO BEARING LOCATIONS.
 - 3) THE BOTTOM CHORDS SHALL BE BRACED BY CONTINUOUS LATERAL BRACING SPACED AT 8 TO 10 FEET NAILED TO TOP OF THE BOTTOM CHORD. DIAGONALS PLACED AT 45° TO THE LATERAL BRACES SHALL BE LOCATED AT EACH END. IF BUILDING EXCEEDS 60 FEET IN LENGTH, DIAGONAL BRACING SHOULD BE REPEATED AT 20 FOOT INTERVALS.
 - 4) TOP CHORD BRACING.
 - a. IF PLYWOOD DECKING IS APPLIED DIRECTLY TO TOP CHORD, PROPERLY LAPPED AND NAILED TO DEVELOP DIAPHRAGM ACTION, BRACING IS NOT REQUIRED.
 - b. IF PURLINS ARE USED, DIAGONAL TOP CHORD BRACING IS REQUIRED AT EACH END. IF BUILDING EXCEEDS 60 FEET IN LENGTH, DIAGONAL BRACING SHOULD BE REPEATED AT 20 FOOT INTERVALS.
 - 5) WOOD ROOF TRUSSES ARE TO BE DESIGNED FOR THE WOOD FABRICATOR BY A PROFESSIONAL ENGINEER, AND SEALED CALCULATIONS AND DRAWINGS ARE TO BE SUBMITTED FOR REVIEW.



TOP/ BOTTOM CHORD BRACING



SECTION A-A



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REVISIONS

MARK	DESCRIPTION	DATE

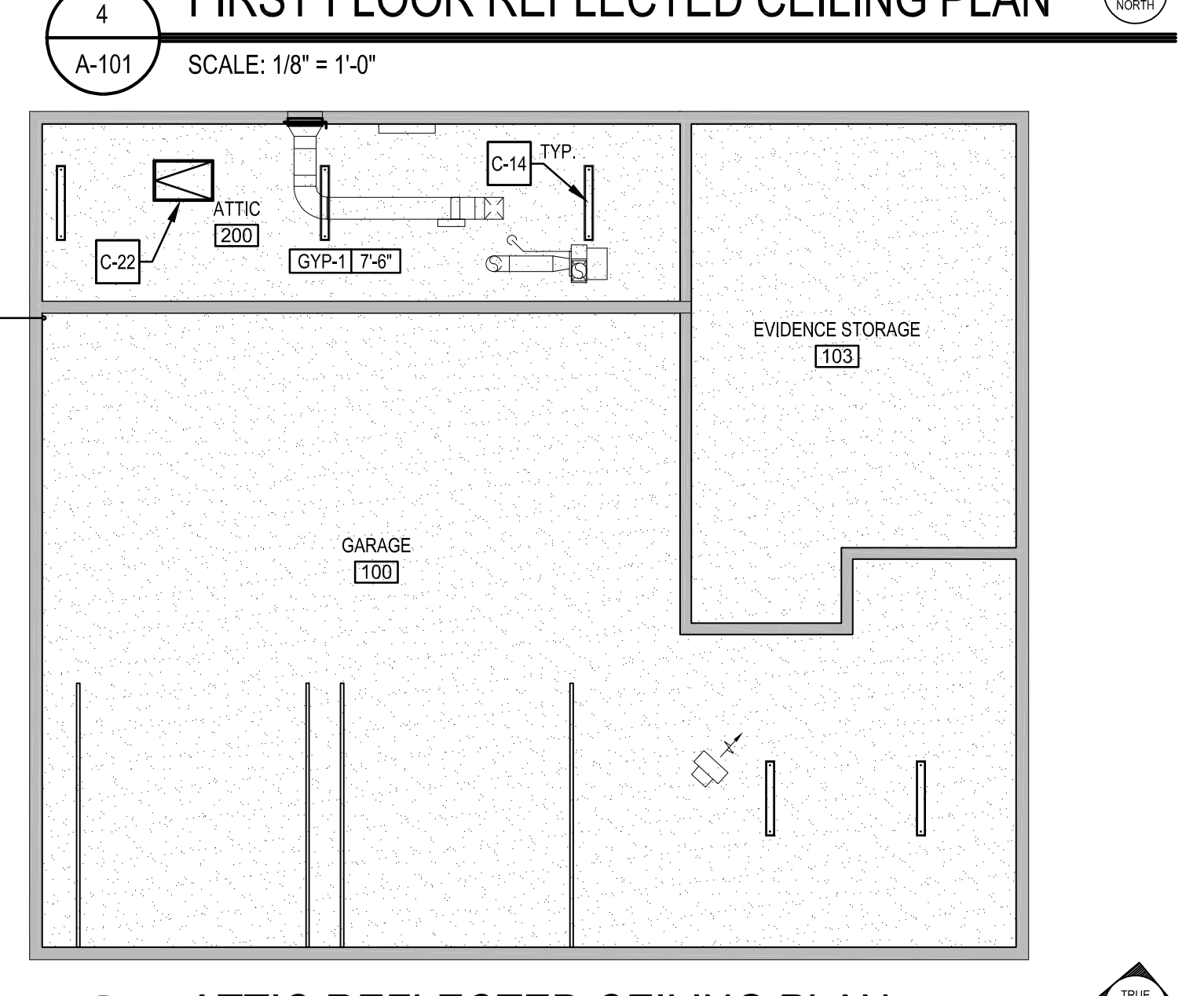
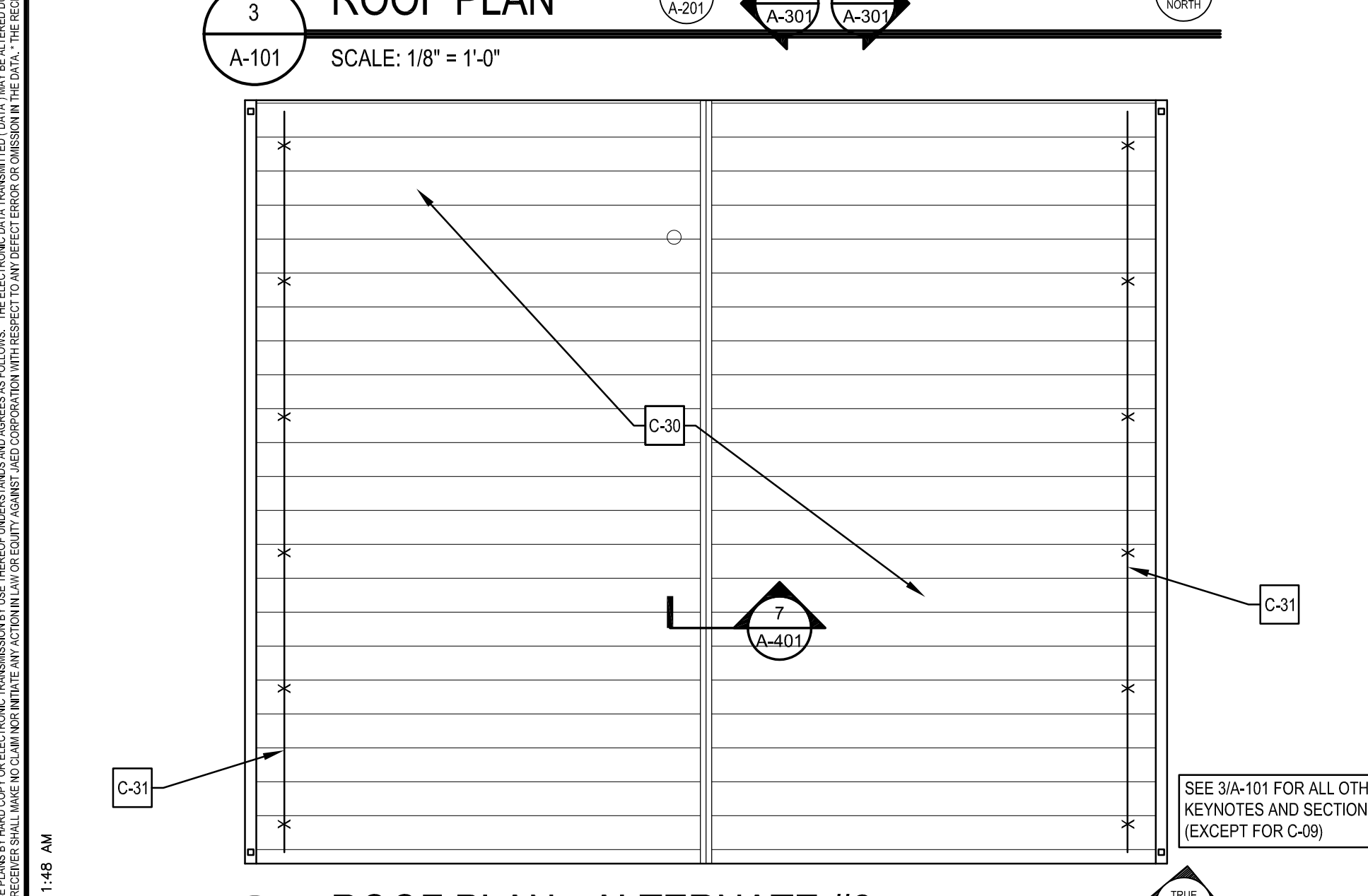
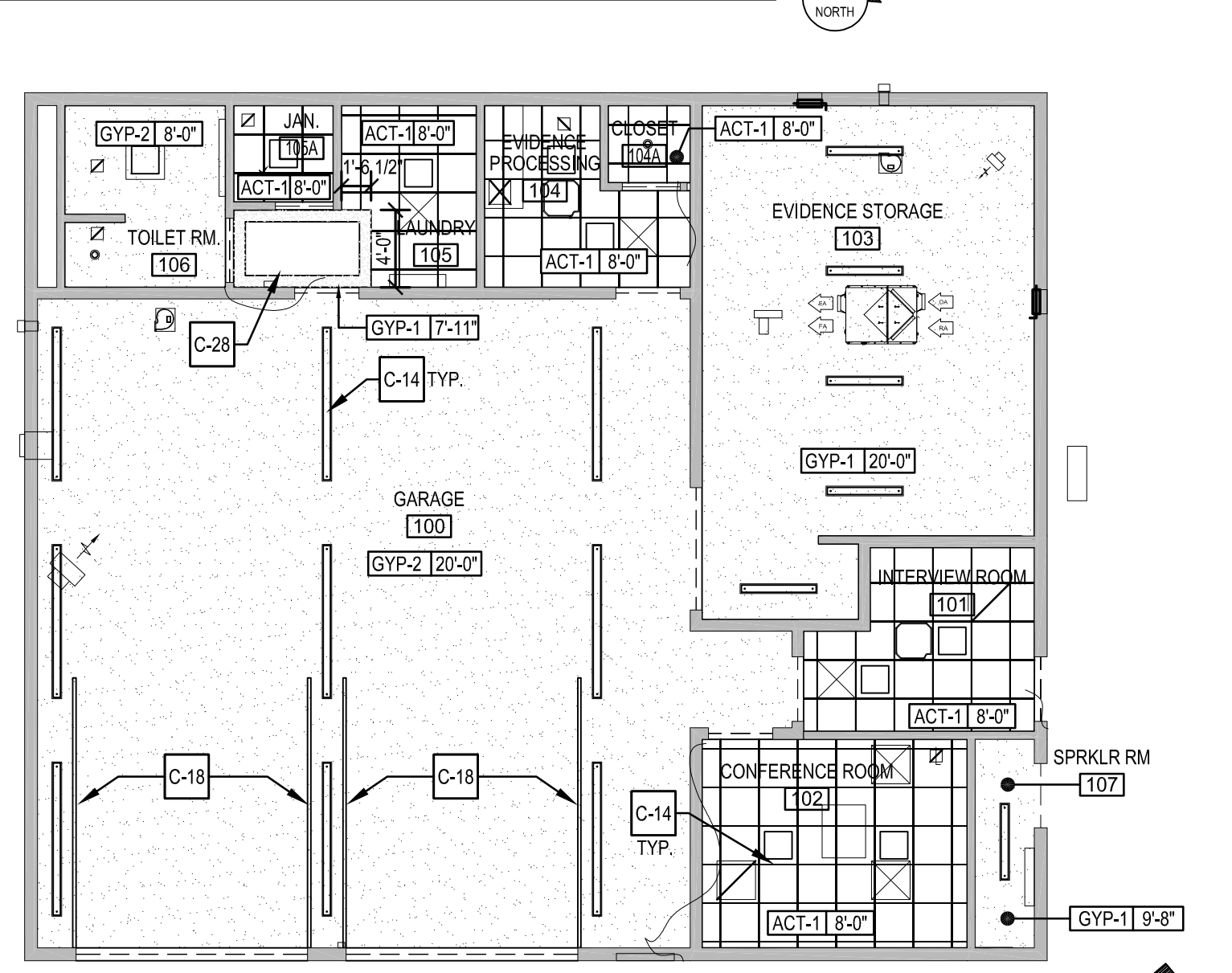
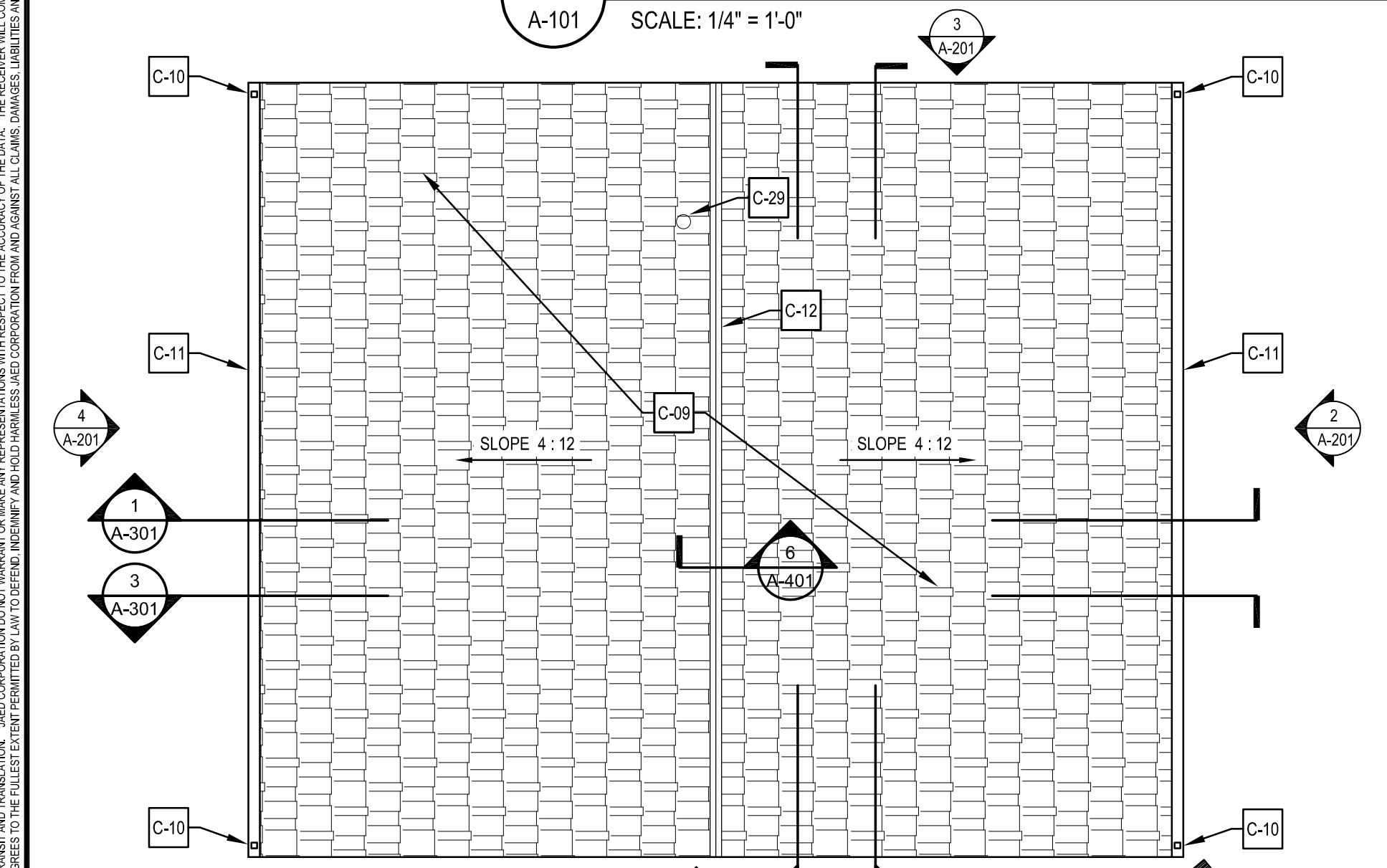
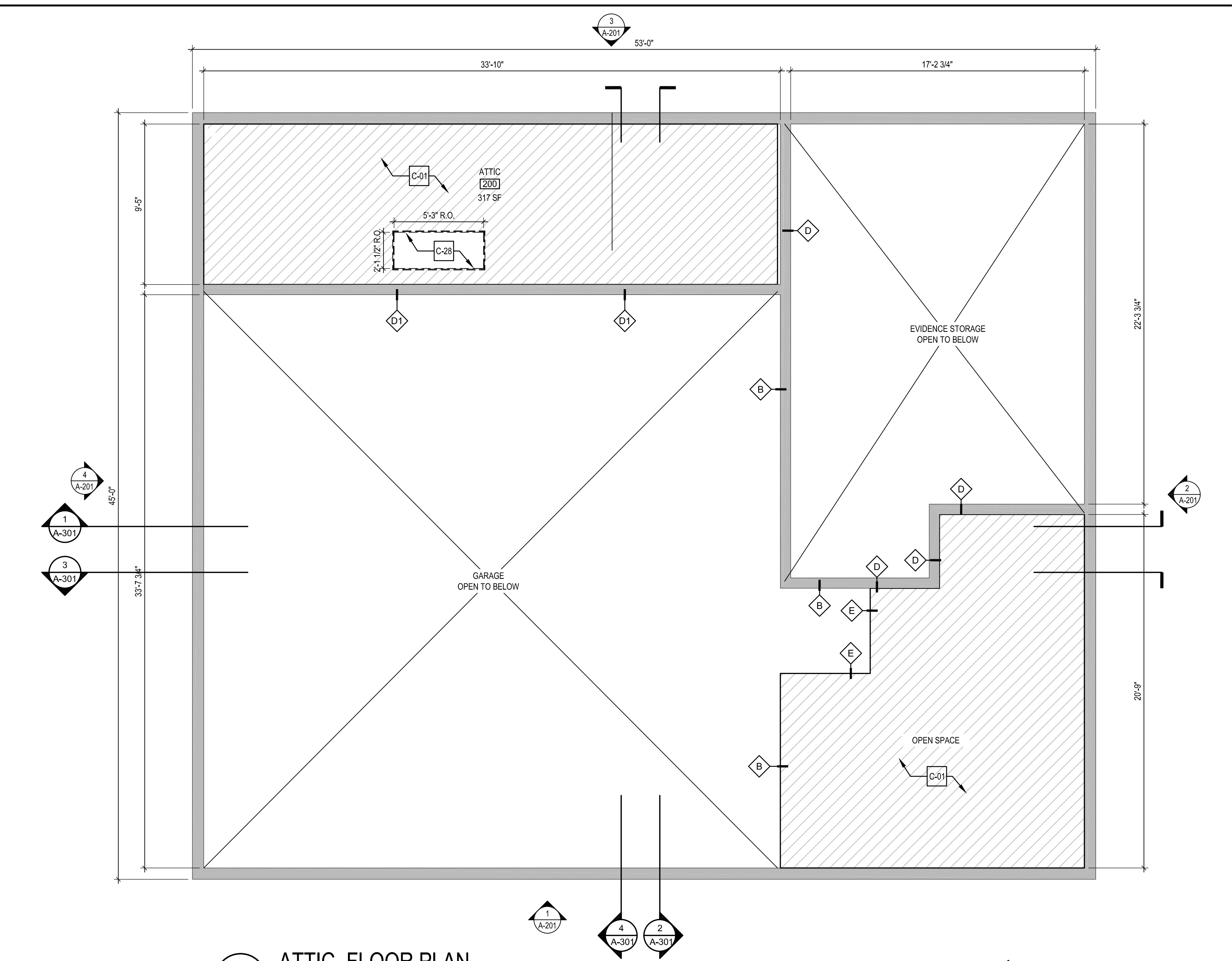
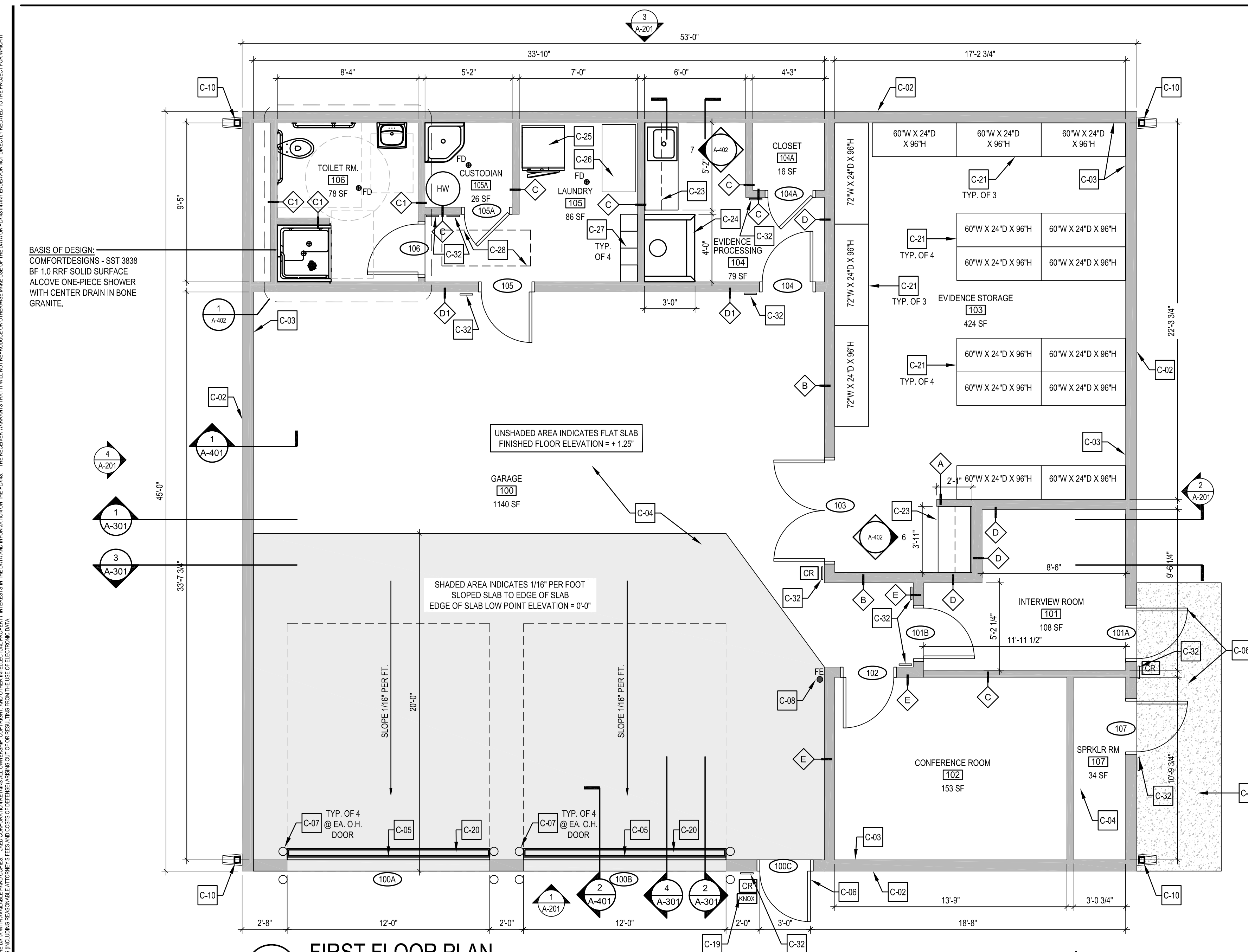
FOUNDATION SECTIONS & TYPICAL DETAILS

BID DOCUMENTS
MARCH 18, 2024

DRAWN	CHKD	PROJECT NO.
JNR	JRB	23020

SHEET NO.

S-501



- ### CONSTRUCTION KEYNOTES
- NOT ALL NOTES REFERENCED ON THIS SHEET, TYP.
- C-01 FURNISH AND INSTALL WOOD TRUSSES AT 24" O.C. SEE STRUCTURAL DRAWINGS.
 - C-02 METAL WALL PANEL OVER 8" METAL STUDS. SEE SHEET A-602 FOR EXT. WALL ASSEMBLY DETAILS. SEE STRUCTURAL DRAWINGS FOR FRAMING DETAILS.
 - C-03 INTERIOR WALL FINISH. SEE FINISH SCHEDULE AND DETAILS.
 - C-04 SEAL NEW CONCRETE SLAB. BASIS OF DESIGN H&C CLEAR LIQUID HARDENER AND DENSIFIER.
 - C-05 FURNISH AND INSTALL INSULATED SECTIONAL OVERHEAD DOOR.
 - C-06 FURNISH AND INSTALL INSULATED HOLLOW METAL DOOR AND FRAME.
 - C-07 FURNISH AND INSTALL CONCRETE FILLED STEEL BOLLARDS. SEE CIVIL DRAWINGS FOR DETAILS.
 - C-08 FURNISH AND INSTALL NEW WALL MOUNTED FIRE EXTINGUISHER (MINIMUM 2A-10BC).
 - C-09 FURNISH AND INSTALL ASPHALT SHINGLE ROOF.
 - C-10 FURNISH AND INSTALL METAL DOWNSPOUT AND CONCRETE SPLASH BLOCK AT BASE.
 - C-11 FURNISH AND INSTALL METAL GUTTER.
 - C-12 FURNISH AND INSTALL RIDGE VENT. SEE DETAIL '7' A-602' FOR BASE BID AND '8' A-602' FOR ALTERNATE #2.
 - C-13 ALTERNATE #1: FURNISH AND INSTALL CMF TRUSSES IN LIEU OF WOOD TRUSSES. SEE STRUCTURAL DRAWINGS.
 - C-14 FURNISH AND INSTALL LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION.
 - C-15 FURNISH AND INSTALL LOUVER. SEE MECHANICAL DRAWINGS.
 - C-16 FURNISH AND INSTALL EXHAUST FAN. SEE MECHANICAL DRAWINGS.
 - C-17 FURNISH AND INSTALL NEW EXTERIOR CONCRETE SIDEWALK. SLOPE PAD AWAY FROM BUILDING. SEE CIVIL AND STRUCTURAL DRAWINGS FOR MORE INFORMATION.
 - C-18 OVERHEAD DOOR HORIZONTAL TRACK ABOVE. PROVIDE BRACKETS TO STRUCTURE ABOVE.
 - C-19 FURNISH AND INSTALL KNOX BOX.
 - C-20 FURNISH AND INSTALL TRENCH DRAIN AT GARAGE DOORS. SEE PLUMBING DWGS. FOR MORE INFO.
 - C-21 FURNISH AND INSTALL HEAVY-DUTY STEEL SHELVING (SEE SIZES ON PLAN). BASIS OF DESIGN SHALL BE "HEAVY-DUTY STEEL SHELVING" H-4864 AND H-4282 BY U-LINE.
 - C-22 FURNISH AND INSTALL 24" X 36" ACCESS PANEL.
 - C-23 FURNISH AND INSTALL NEW COUNTERTOP, CASEWORK, AND WALL CABINETS. SEE ENLARGED PLAN, ELEVATIONS, AND SECTIONS FOR MORE INFO.
 - C-24 FURNISH AND INSTALL NEW FUME HOOD WITH CABINETS. SEE MECH. DRAWINGS FOR MORE INFO.
 - C-25 FURNISH AND INSTALL NEW STACKABLE WASHER AND DRYER. BASIS OF DESIGN SHALL BE LG-4.5 CU. FT. HE SMART FRONT LOAD WASHER AND 7.4 CU. FT. ELECTRIC DRYER WASH-TOWER WITH BUILT-IN INTELLIGENCE - WHITE (WKE100HWA).
 - C-26 FURNISH AND INSTALL NEW 48" L X 24" W 35" H MOBILE STAINLESS STEEL WORKTABLE WITH ADJUSTABLE BOTTOM SHELF. BASIS OF DESIGN SHALL BE H-9645 BY U-LINE.
 - C-27 FURNISH AND INSTALL SINGLE TIER METAL LOCKER (12" W X 12" X 6" H) WITH METAL BASE AND SLOPED TOP.
 - C-28 FURNISH AND INSTALL NEW ATTIC LADDER. BASIS OF DESIGN: 25.5 X 63" ALUMINUM ATTIC LADDER. 350-POUND LOAD CAPACITY. MODEL AL25P BY LOUISVILLE LADDER. SEE STRUCTURAL DRAWINGS FOR OPENING FRAMING. SEE DETAILS 3, 4, AND 5 ON SHEET A-401.
 - C-29 ROOF EXHAUST FOR FUME HOOD. SEE MECH. DRAWINGS FOR MORE INFO. SEE DETAIL '5' A-602'.
 - C-30 ALTERNATE #2: FURNISH AND INSTALL STANDING SEAM METAL ROOF SYSTEM IN LIEU OF ASPHALT SHINGLE ROOF.
 - C-31 ALTERNATE #2: FURNISH AND INSTALL SNOW GUARDS.
 - C-32 FURNISH AND INSTALL NEW SIGNAGE. SEE SPECIFICATIONS FOR MORE INFORMATION.

FINISH SCHEDULE

RM. NO.	ROOM NAME	FLOOR						WALLS						CEILING		NOTES
		FINISH	BASE	NORTH	EAST	SOUTH	WEST	TYPE	HEIGHT	TYPE	HEIGHT					
100	GARAGE	SEALED CONC.	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	GYP-2	20'-0"	NOTE #2					
101	INTERVIEW ROOM	LVT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1	8'-0"						
102	CONFERENCE ROOM	LVT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1	8'-0"						
103	EVIDENCE STORAGE	LVT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	GYP-1	20'-0"						
104	EVIDENCE PROCESSING	LVT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1	8'-0"						
104A	CLOSET	LVT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1	8'-0"						
105	LAUNDRY	LVT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1	8'-0"						
105A	JANITOR	LVT-1	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1	8'-0"						
106	TOILET ROOM	CER. TILE	CER. TILE	CER. TILE / PNT-1	CER. TILE / PNT-1	CER. TILE / PNT-1	CER. TILE / PNT-1	CER. TILE / PNT-1	GYP-2	8'-0"	NOTE #1					
107	SPRINKLER ROOM	SEALED CONC.	RB-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	ACT-1	8'-0"						
200	ATTIC	PLYWOOD	NONE	PNT-1	PNT-1	PNT-1	PNT-1	PNT-1	GYP-1	7'-6"						

SYMBOL LEGEND

- D-02 KEY NOTE TAG. SEE KEY NOTE INSTRUCTIONS / NARRATIVE FOR MORE INFORMATION
- DR01 INDICATES NEW HM FRAME AND DOOR. SEE DOOR SCHEDULE AND A-400 FOR MORE INFORMATION
- INDICATES NEW WALL TYPE. SEE TYPICAL WALL TYPES FOR MORE INFORMATION
- INDICATES NEW WALL CONSTRUCTION
- 2 X 2 LIGHT FIXTURE - SEE ELECTRICAL FOR MORE INFORMATION
- 4 SUSPENDED LIGHT FIXTURE - SEE ELECTRICAL FOR MORE INFORMATION
- GRILLES, REGISTERS, AND DIFFUSERS - SEE MECHANICAL FOR MORE INFO.
- INDICATES EXTENT OF NEW ACOUSTIC CEILING SYSTEM (ACT-1 OR ACT-2)
- INDICATES EXTENT OF NEW GYPSUM BOARD SOFFIT (GYP-1 OR GYP-2)
- CR CARD READER. SEE ELECTRICAL DRAWINGS FOR MORE INFO.
- KNOX KNOX BOX

ALTERNATES

THE FOLLOWING ARE LIST OF ALTERNATES ON THE PROJECT

- ALTERNATE #1 - FURNISH AND INSTALL STEEL TRUSSES IN LIEU OF WOOD TRUSSES. REMOVE DRY-PIPE SPRINKLER SYSTEM. SEE STRUCTURAL, ELECTRICAL, AND FIRE PROTECTION DRAWINGS FOR MORE INFORMATION.
- ALTERNATE #2 - FURNISH AND INSTALL STANDING SEAM METAL AND SNOW GUARDS IN LIEU OF ASPHALT SHINGLES. SEE DETAILS ON SHEET A-602.
- ALTERNATE #3 - FURNISH AND INSTALL LIGHTNING PROTECTION. SEE SHEET E-102.

FINISH LEGEND

PAINT	BASE	GYP-1
PNT-1 - BASIS OF DESIGN - DOVER WHITE SW #6385 BY SHERWIN WILLIAMS OR APPROVED EQUAL.	RB-1 - 4" RUBBER BASE COLOR TBD	GYP-1 - PAINTED STANDARD GYPSUM BOARD, COLOR TBD
FLOORING	CEILING	CASEWORK
LVT-1 - BASIS OF DESIGN - LINOTESTA STEEL BY TOLI INTERNATIONAL OR APPROVED EQUAL.	ACT-1 - ACOUSTIC CEILING TILE 24" X 24"	PL-1 PLASTIC LAMINATE TBD
		SS-1 SOLID SURFACE TBD

KEY PLAN

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 OMBI / DFM # MJ1002000070A
EVIDENCE PROCESSING BUILDING
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 GEORGETOWN, DE 19847

PROJECT

REVISIONS

MARK	DESCRIPTION	DATE

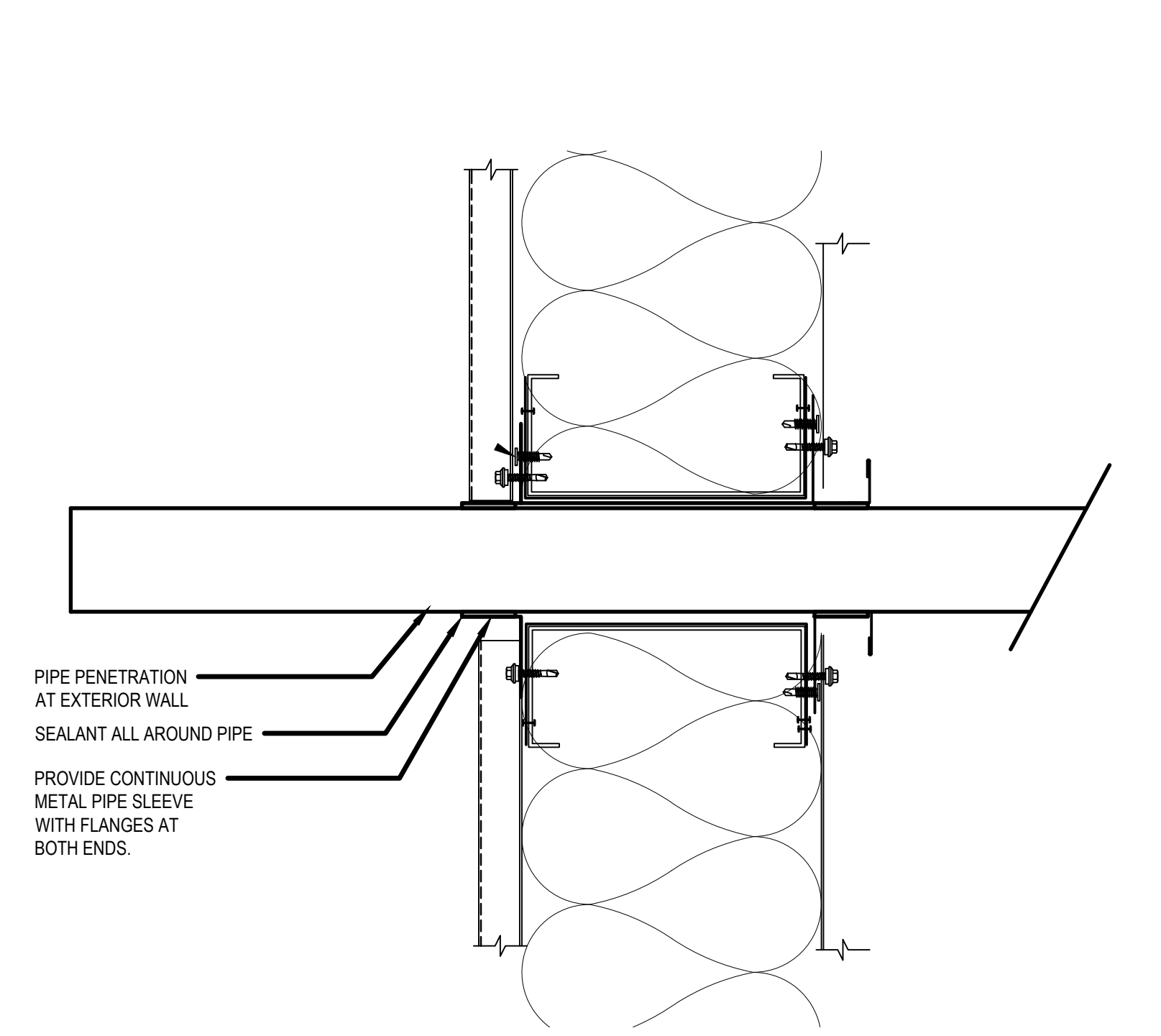
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FLOOR PLANS - EVIDENCE PROCESSING BUILDING

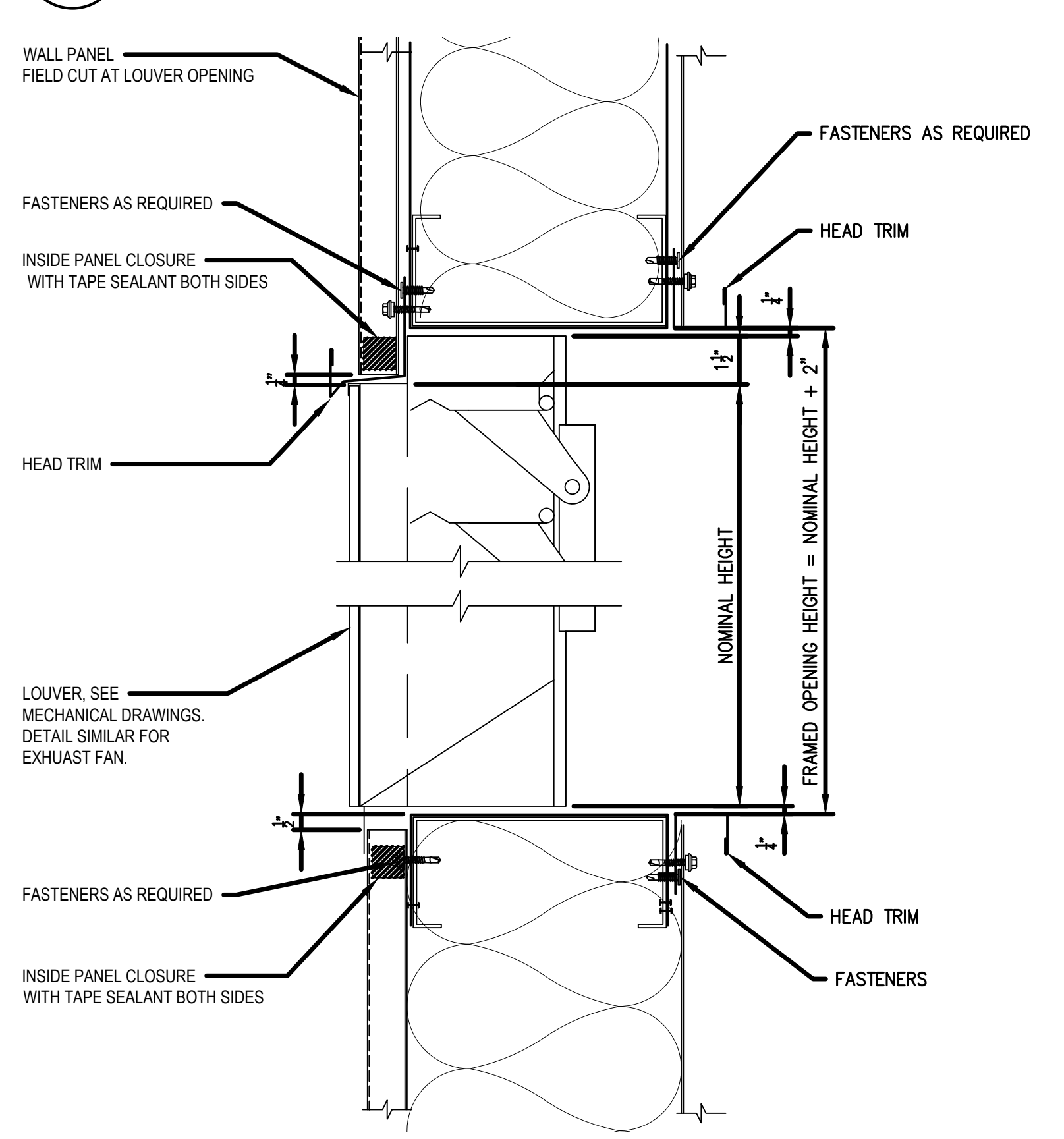
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DRAWN	CHKD	PROJECT NO.
AM	GC	23020

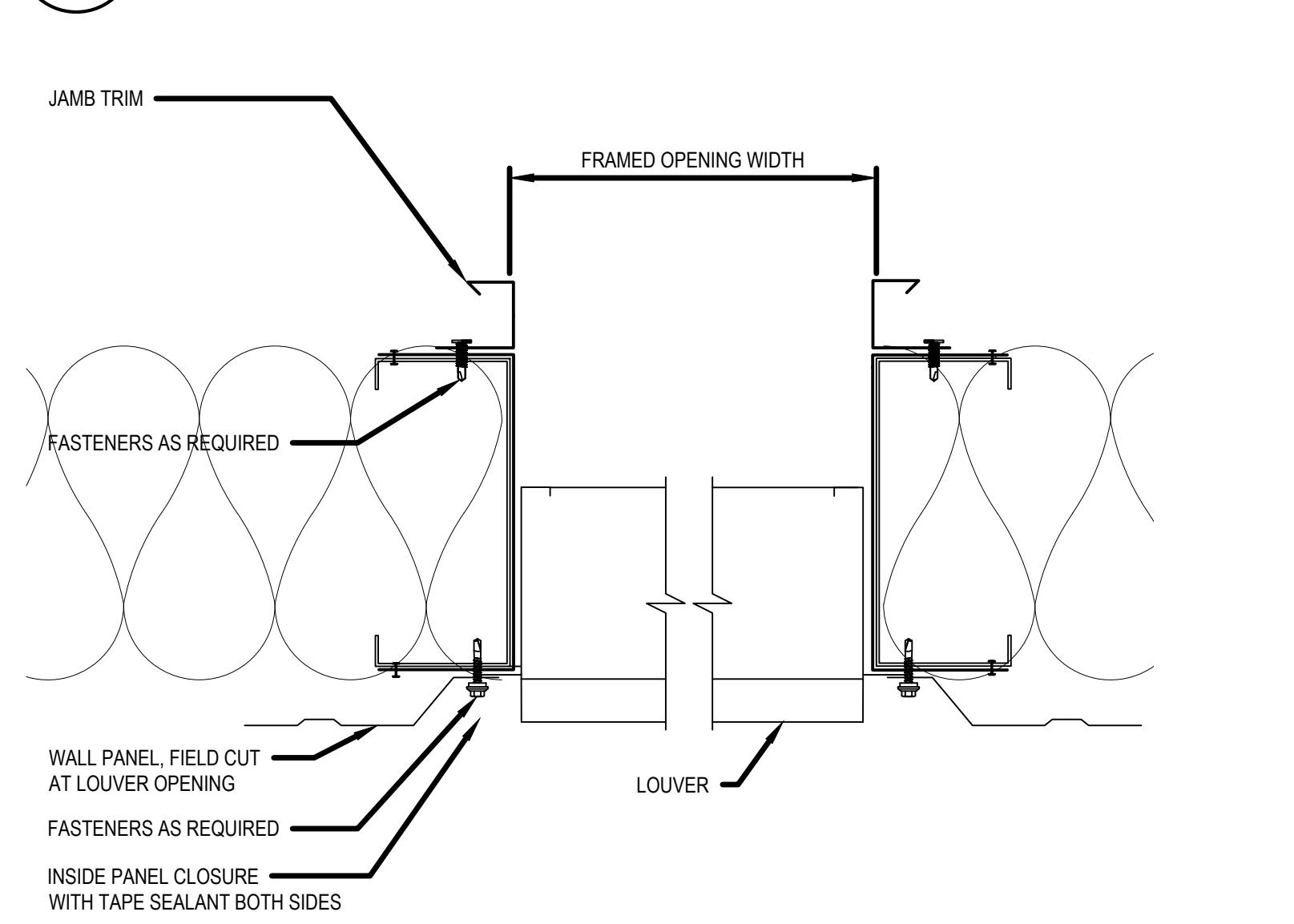
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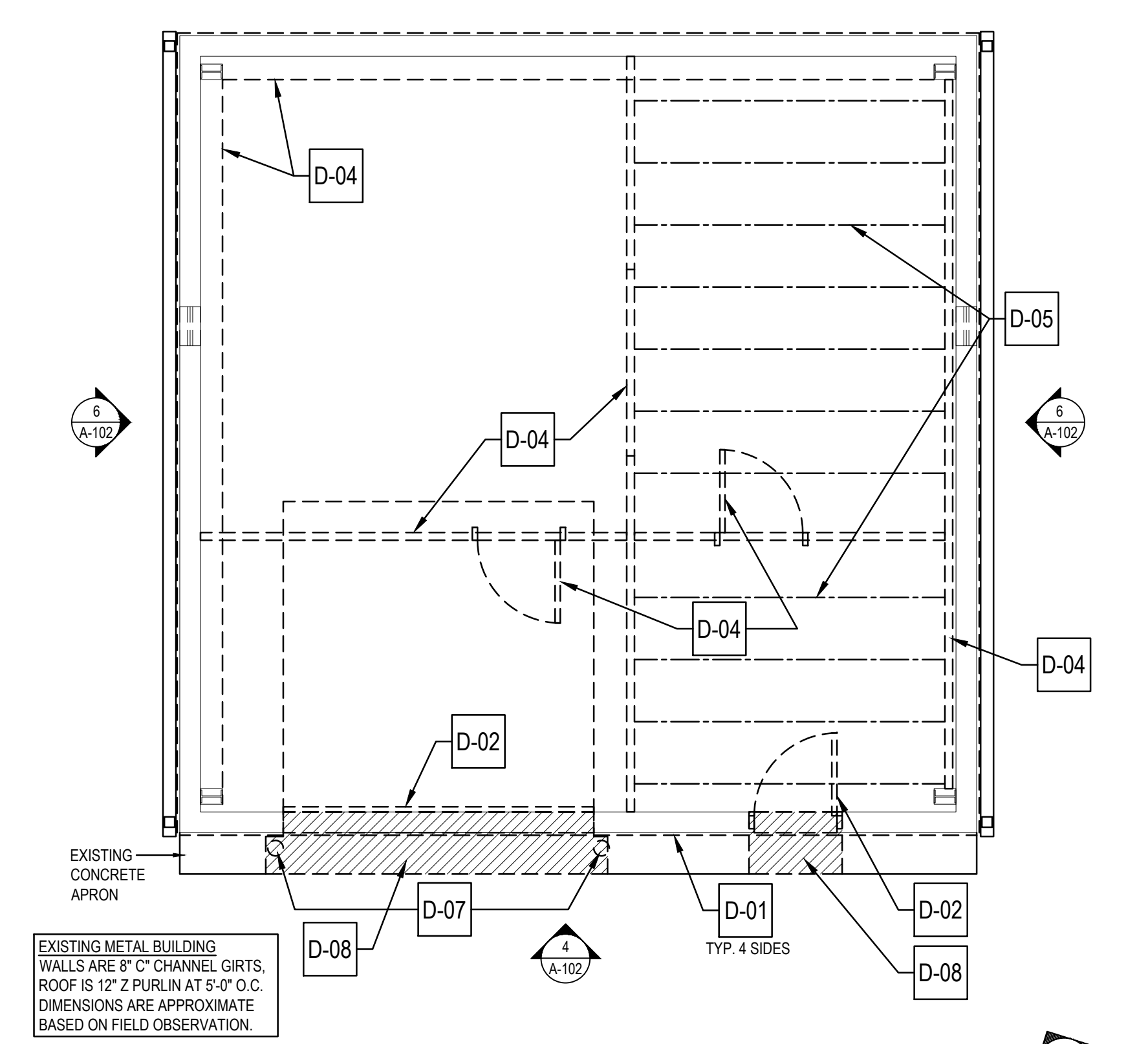
8 TYPICAL LOUVER/EXHAUST FAN HEAD / SILL DETAIL
SCALE: N.T.S.



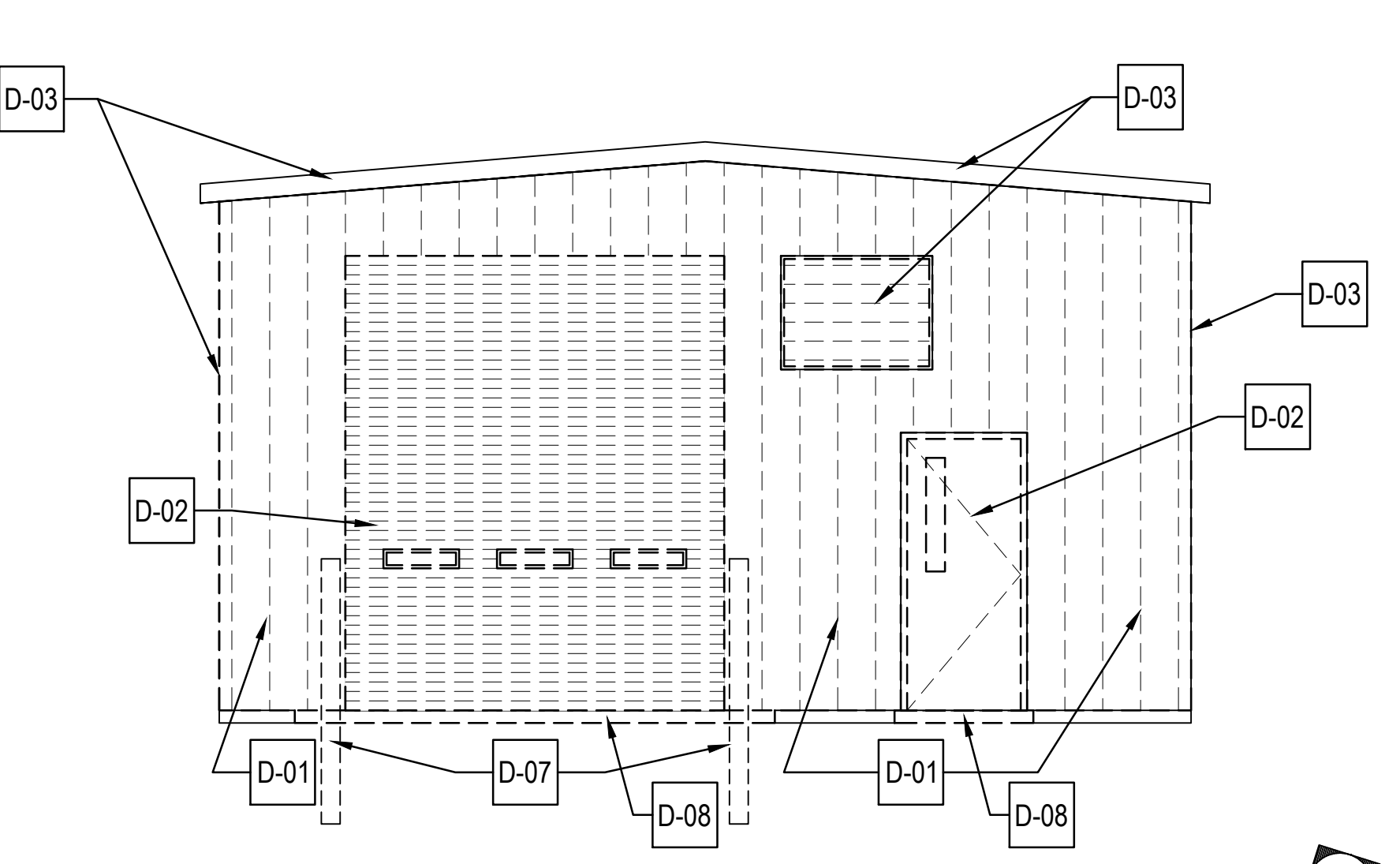
9 TYPICAL LOUVER/EXHAUST FAN HEAD / SILL DETAIL
SCALE: N.T.S.



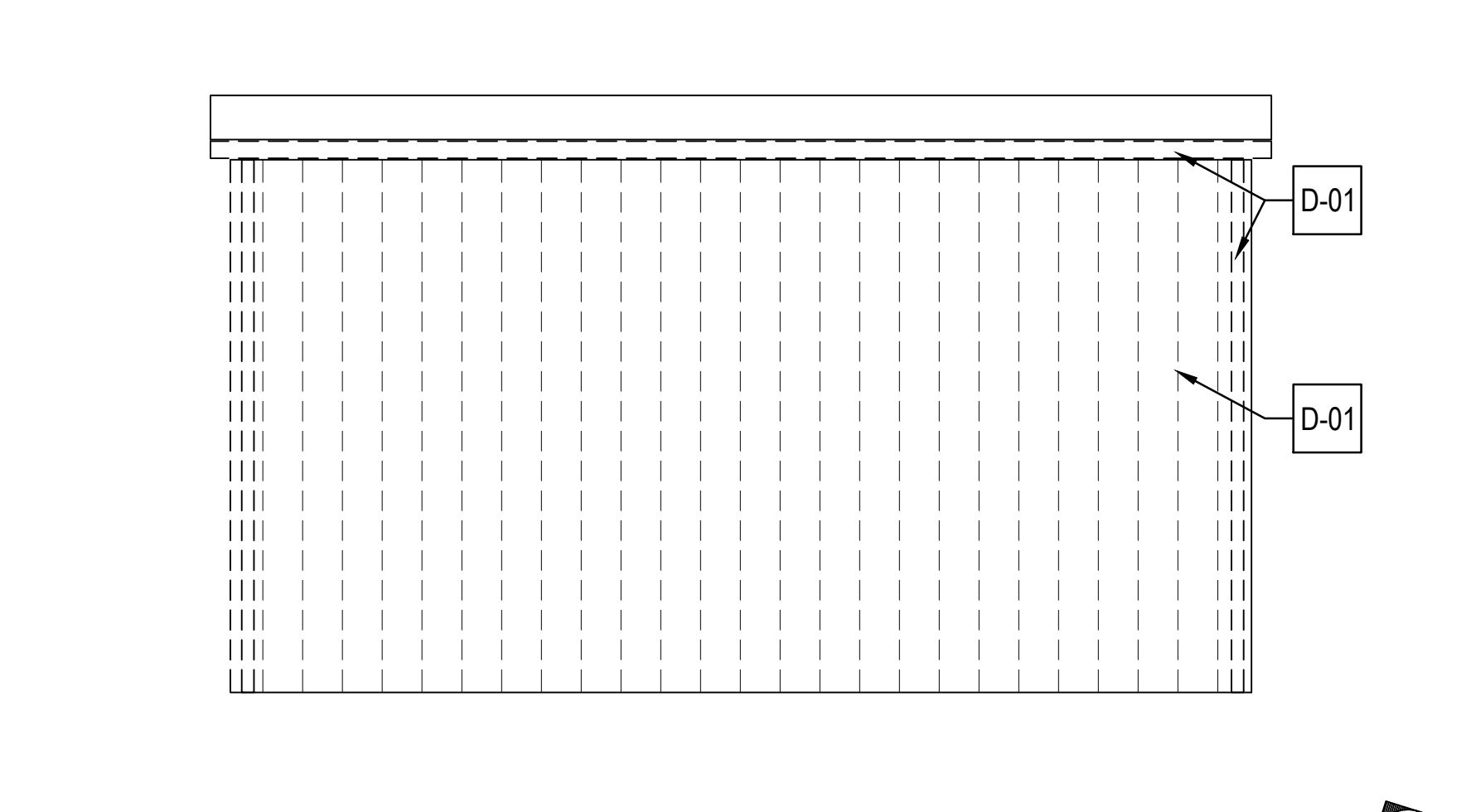
10 TYPICAL LOUVER/EXHAUST FAN JAMB DETAIL
SCALE: N.T.S.



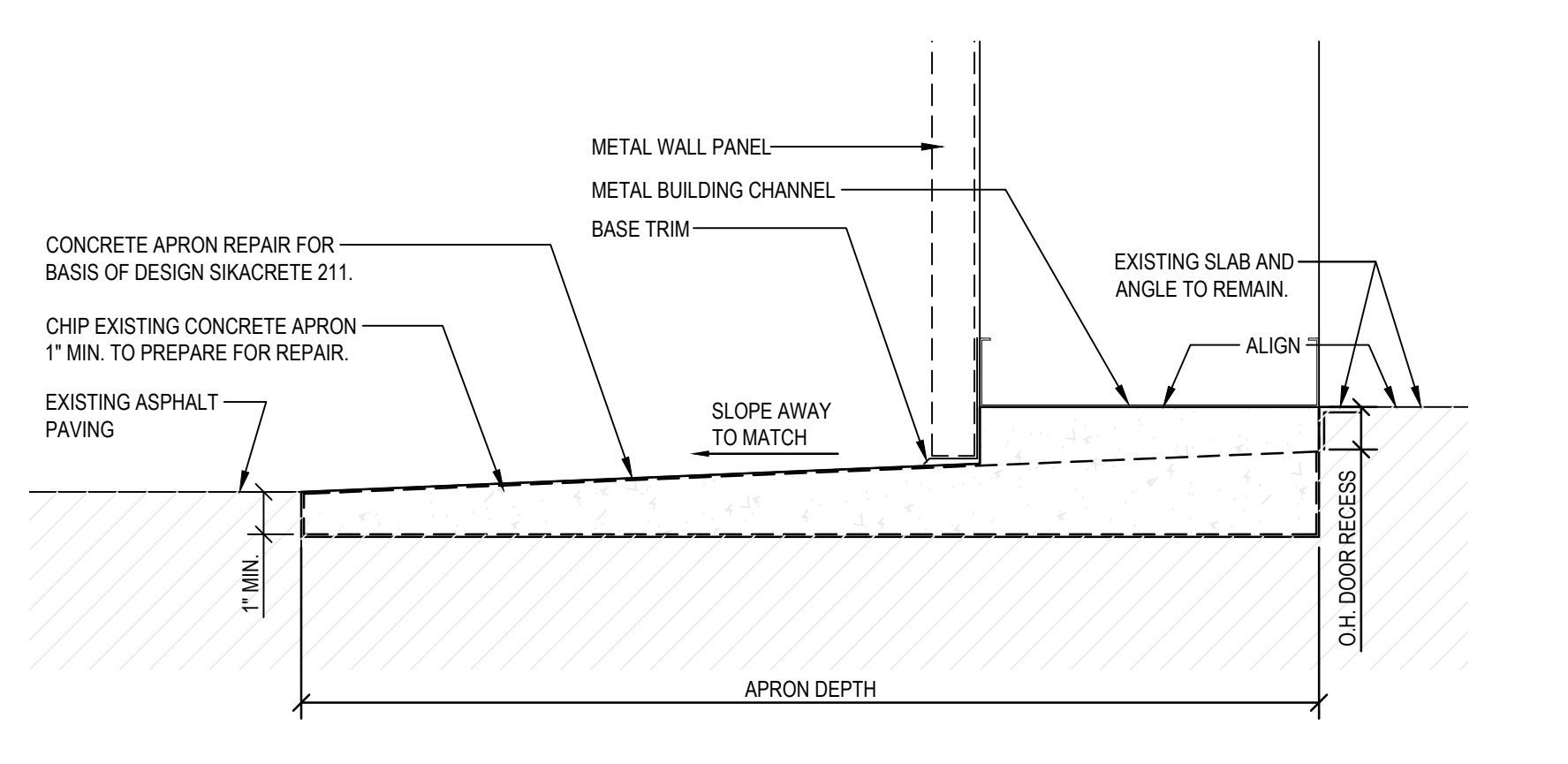
1 FIRST FLOOR DEMO. PLAN (EXIST. STORAGE BLDG.)
SCALE: 1/4" = 1'-0"



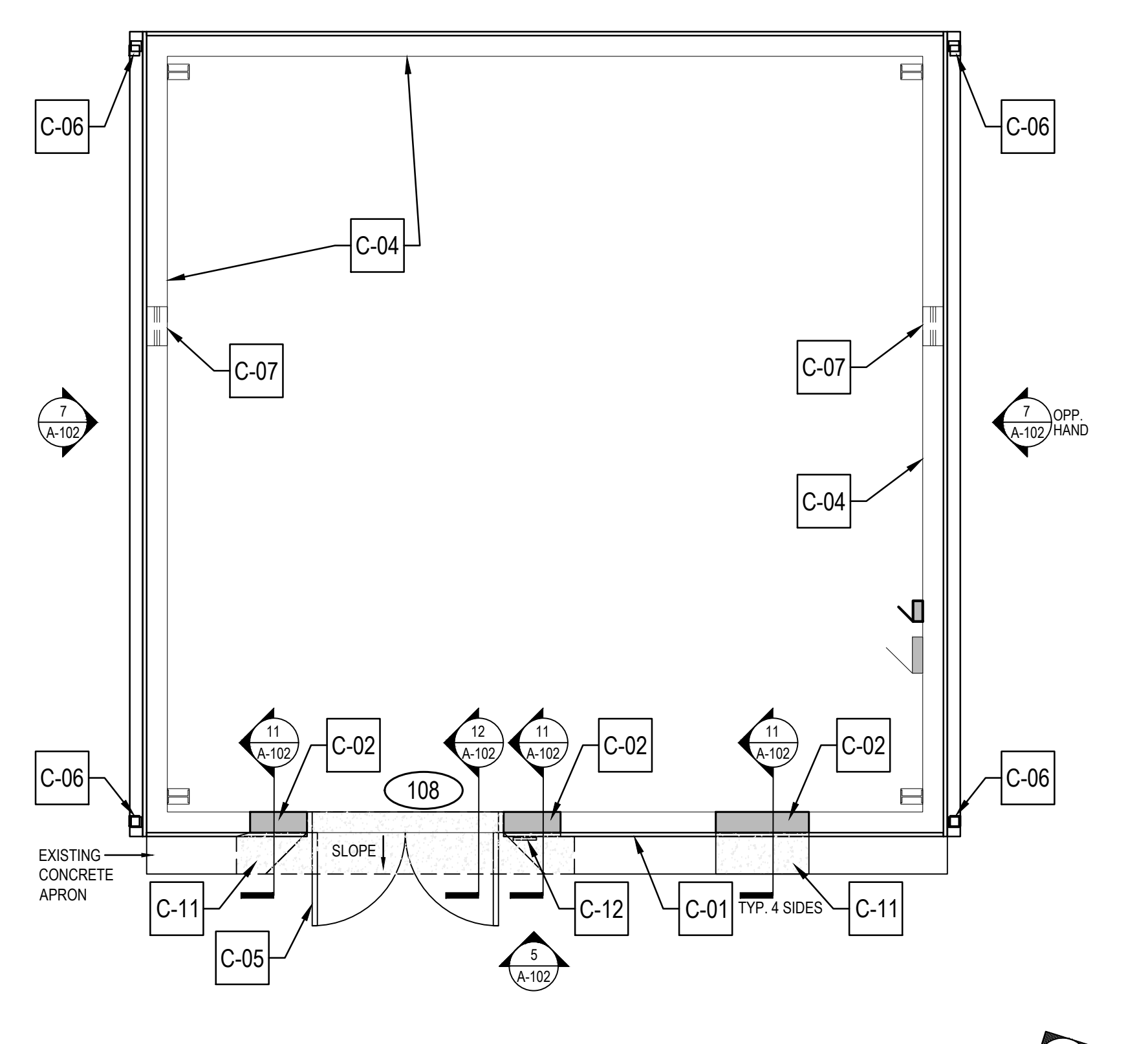
4 FRONT ELEVATION DEMO. (EXIST. STORAGE BLDG.)
SCALE: 3/16" = 1'-0"



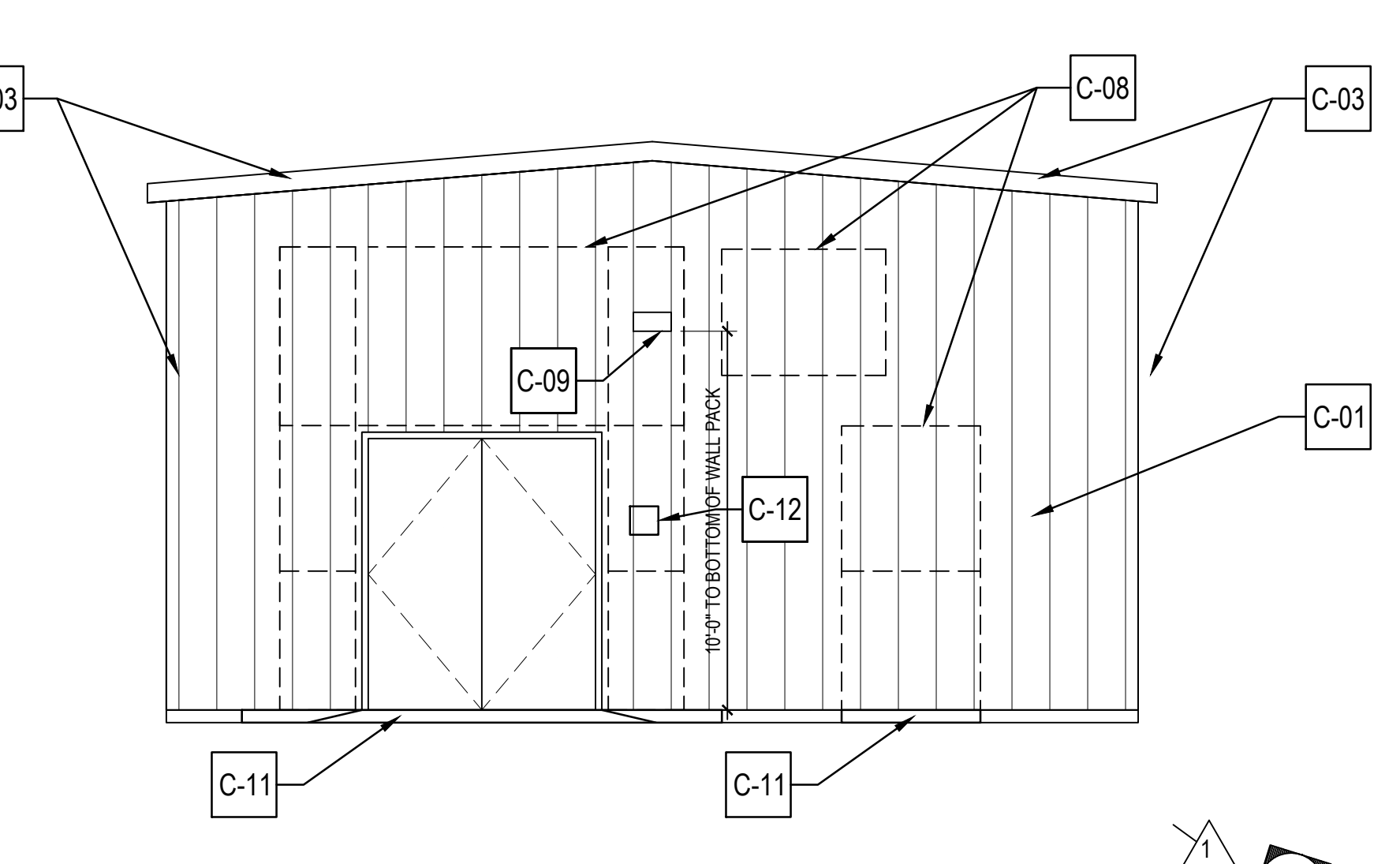
6 SIDE ELEVATION DEMO. (EXIST. STORAGE BLDG.)
SCALE: 3/16" = 1'-0"



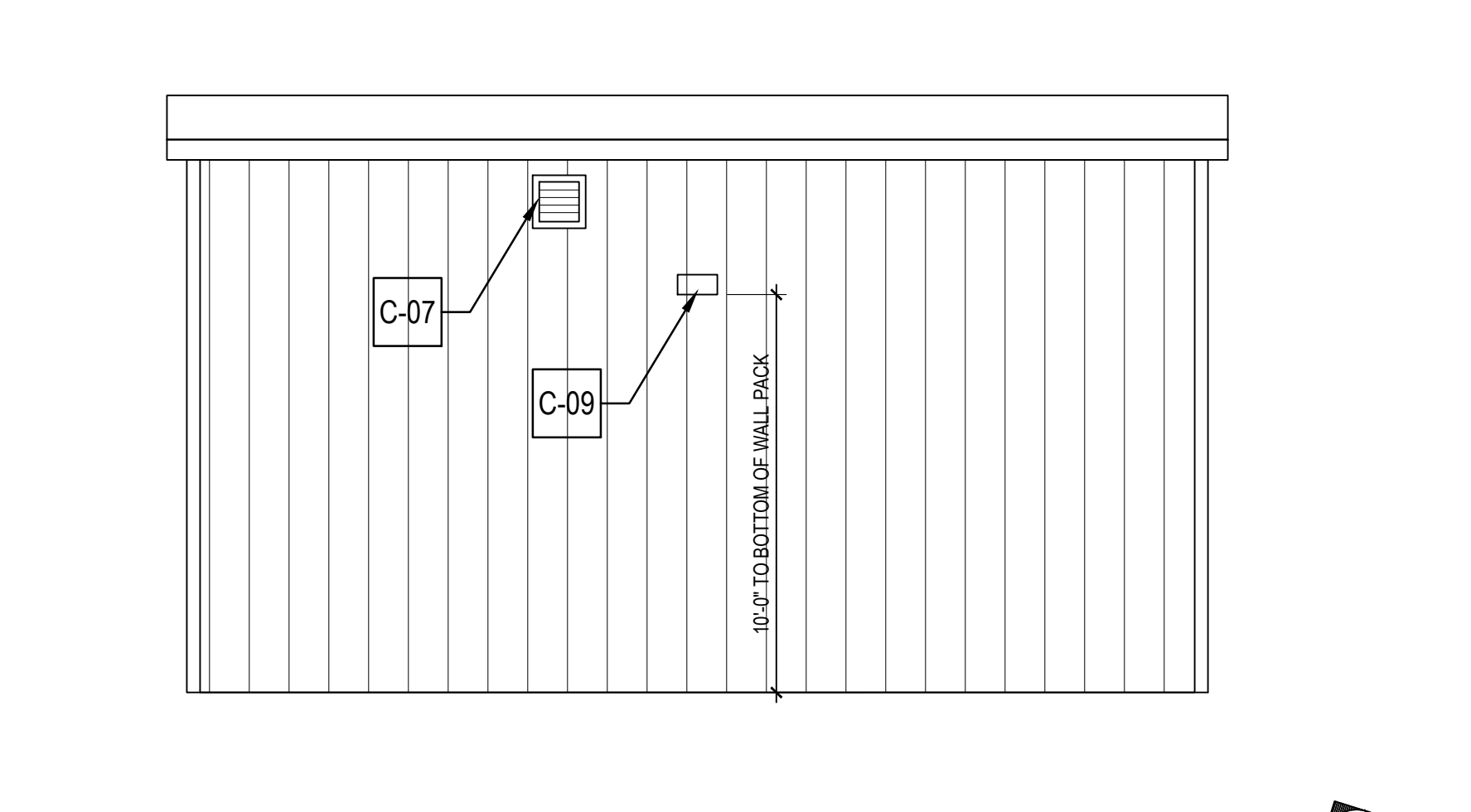
11 CONCRETE APRON REPAIR DETAIL AT BUILDING
SCALE: 3/16" = 1'-0"



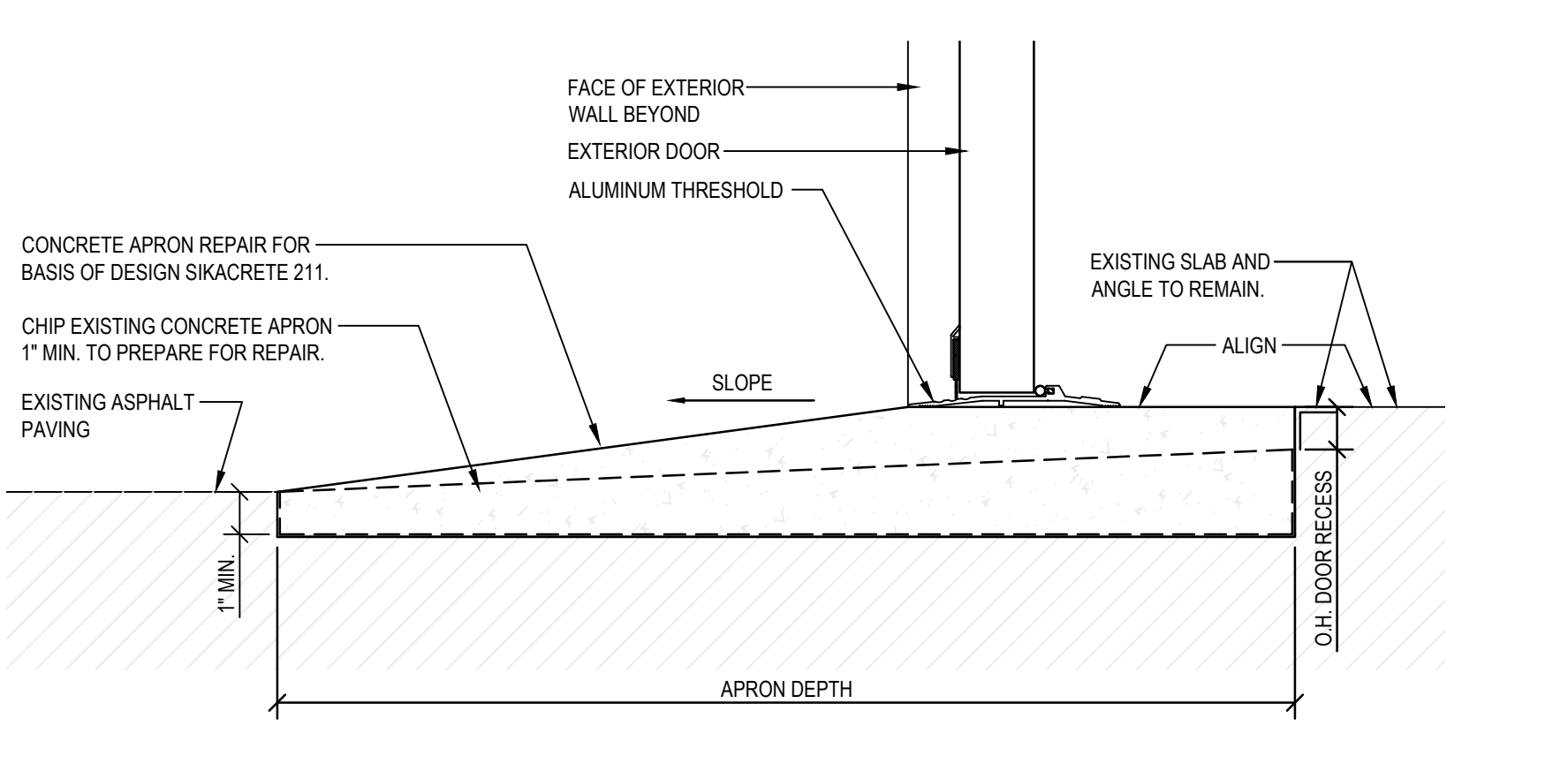
2 FIRST FLOOR PLAN NEW (EXIST. STORAGE BLDG.)
SCALE: 1/4" = 1'-0"



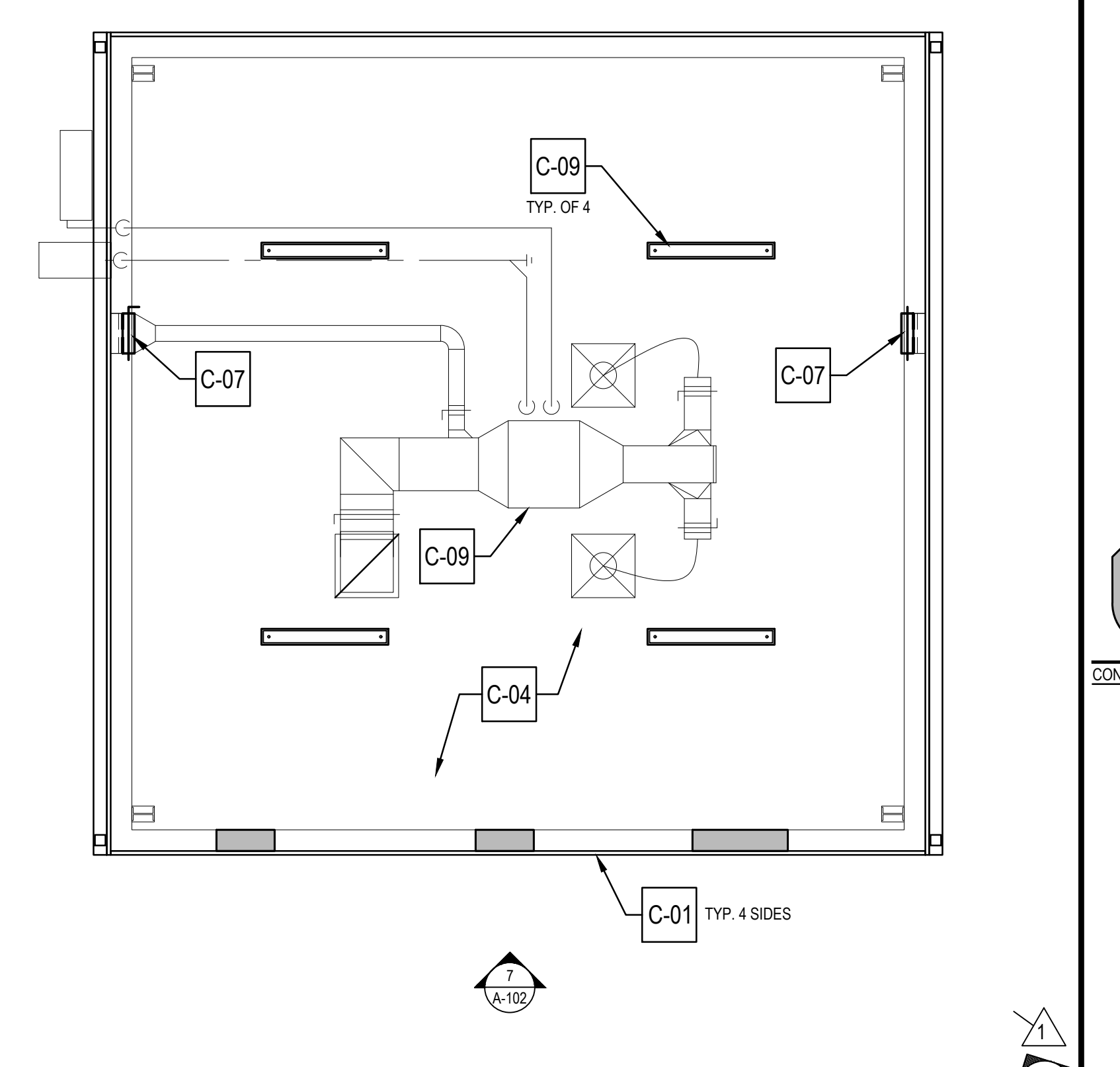
5 FRONT ELEVATION NEW (EXIST. STORAGE BLDG.)
SCALE: 3/16" = 1'-0"



7 SIDE ELEVATION NEW (EXIST. STORAGE BLDG.)
SCALE: 3/16" = 1'-0"



12 CONCRETE APRON REPAIR DETAIL AT DOOR
SCALE: 3/16" = 1'-0"



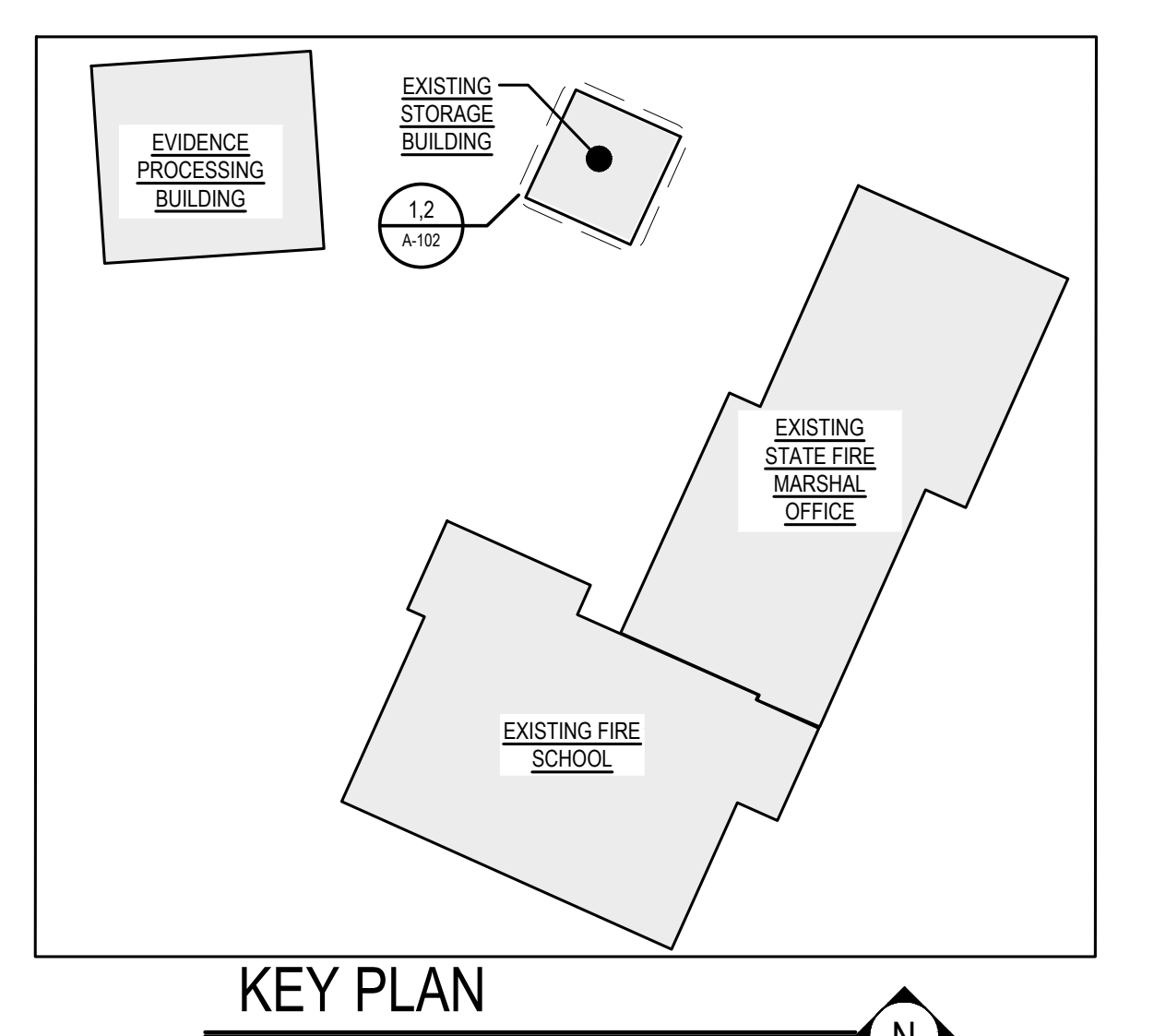
3 REFLECTED CEILING PLAN (EXIST. STORAGE BLDG.)
SCALE: 1/4" = 1'-0"

DEMOLITION KEYNOTES
KEYNOTES REFERENCE ONLY EXISTING STORAGE BUILDING

- D-01 REMOVE ALL METAL WALL PANELS FROM ENTIRE BUILDING.
- D-02 REMOVE EXISTING OVERHEAD DOOR AND PERSONNEL DOOR AT FRONT ELEVATION ONLY.
- D-03 REMOVE EXISTING RAKE TRIM, OUTSIDE CORNER TRIM AND LOUVER AT FRONT ELEVATION ONLY.
- D-04 REMOVE ALL EXISTING PERIMETER INTERIOR PLYWOOD, ALL INTERIOR PLYWOOD WALLS ON 2 x 4 WOOD FRAMING AND ALL INTERIOR DOORS, FRAMES AND HARDWARE.
- D-05 REMOVE EXISTING 2 x 12 WOOD MEZZANINE FLOOR FRAMING AND PLYWOOD MEZZANINE FLOORING ABOVE.
- D-06 REMOVE EXISTING GUTTERS AND DOWNSPOUTS.
- D-07 CUT EXISTING BOLLARDS BELOW SURFACE OF CONCRETE. BOLLARD FOOTINGS TO REMAIN. INFILL HOLES AND FINISH TO MATCH EXISTING.
- D-08 CHIP EXISTING CONCRETE APRON 1" MIN. DEPTH TO PREPARE FOR REPAIR. SEE DETAILS 11 AND 12 THIS SHEET FOR MORE INFORMATION.

CONSTRUCTION KEYNOTES
KEYNOTES REFERENCE ONLY EXISTING STORAGE BUILDING

- C-01 INSTALL NEW METAL WALL PANEL AT ENTIRE BUILDING.
- C-02 INSTALL NEW METAL BUILDING GIRTS AND INSULATION BY METAL WALL PANEL MANUFACTURER AS REQUIRED TO CLOSE EXISTING OPENINGS AT DEMOLITION OF EXISTING OPENINGS. ALIGN INTERIOR AND EXTERIOR FINISHES.
- C-03 INSTALL NEW METAL WALL PANEL RAKE TRIM TO MATCH EXISTING. INSTALL NEW OUTSIDE CORNERS TO MATCH EXISTING.
- C-04 INSTALL ADDITIONAL R-13 METAL BUILDING BLANKET INSULATION AT (4) PERIMETER WALLS AND ROOF.
- C-05 FRAME OUT NEW ROUGH OPENING FOR 6'-0" x 7'-0" H.M. EXTERIOR DOOR. INSTALL DOOR FRAME AND HARDWARE.
- C-06 FURNISH AND INSTALL NEW GUTTERS AND DOWNSPOUTS TO MATCH EXISTING.
- C-07 NEW LOUVER. PROVIDE NEW GIRT FRAMING FOR OPENINGS. SEE DETAILS '9 / A-102 AND '10 / A-102. SEE MECHANICAL AND ELECTRICAL DRAWINGS.
- C-08 DASHED LINES INDICATE PERIMETER OF INFILL FRAMING REQUIRED AT DEMOLISHED OVERHEAD DOOR, PERSONNEL DOOR AND LOUVER.
- C-09 FURNISH AND INSTALL LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION.
- C-10 FURNISH AND INSTALL MECHANICAL EQUIPMENT. PROVIDE UNISTRUT AS REQUIRED TO SUPPORT UNIT FROM STRUCTURAL FRAME. SEE MECHANICAL DRAWINGS.
- C-11 FURNISH AND INSTALL CONCRETE APRON REPAIR. BASIS OF DESIGN SIKARETE 122 OR APPROVED EQUAL. SEE DETAILS 11 AND 12 THIS SHEET FOR MORE INFORMATION.
- C-12 FURNISH AND INSTALL NEW SIGNAGE. SEE SPECIFICATIONS FOR MORE INFORMATION.



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SIGNATURE: _____
DATE OF SIGNATURE: _____
DATE OF REGISTRATION EXPIRATION: _____
ARCHITECT / ENGINEER SEAL

STATE OF DELAWARE
OMB / DIVISION OF FACILITIES MANAGEMENT
OMB / DFM # MJ1002000070A
EVIDENCE PROCESSING BUILDING
AT THE
SUSSEX COUNTY FIRE MARSHAL
OFFICE OF THE STATE FIRE MARSHAL - 22705 PARK AVE
GEORGETOWN, DE 19847

REVISIONS

MARK	DESCRIPTION	DATE
1	ADDENDUM #3	2/29/24

SHEET TITLE

FLOOR PLANS AND ELEVATIONS - EXISTING STORAGE BUILDING

BID DOCUMENTS
MARCH 18, 2024

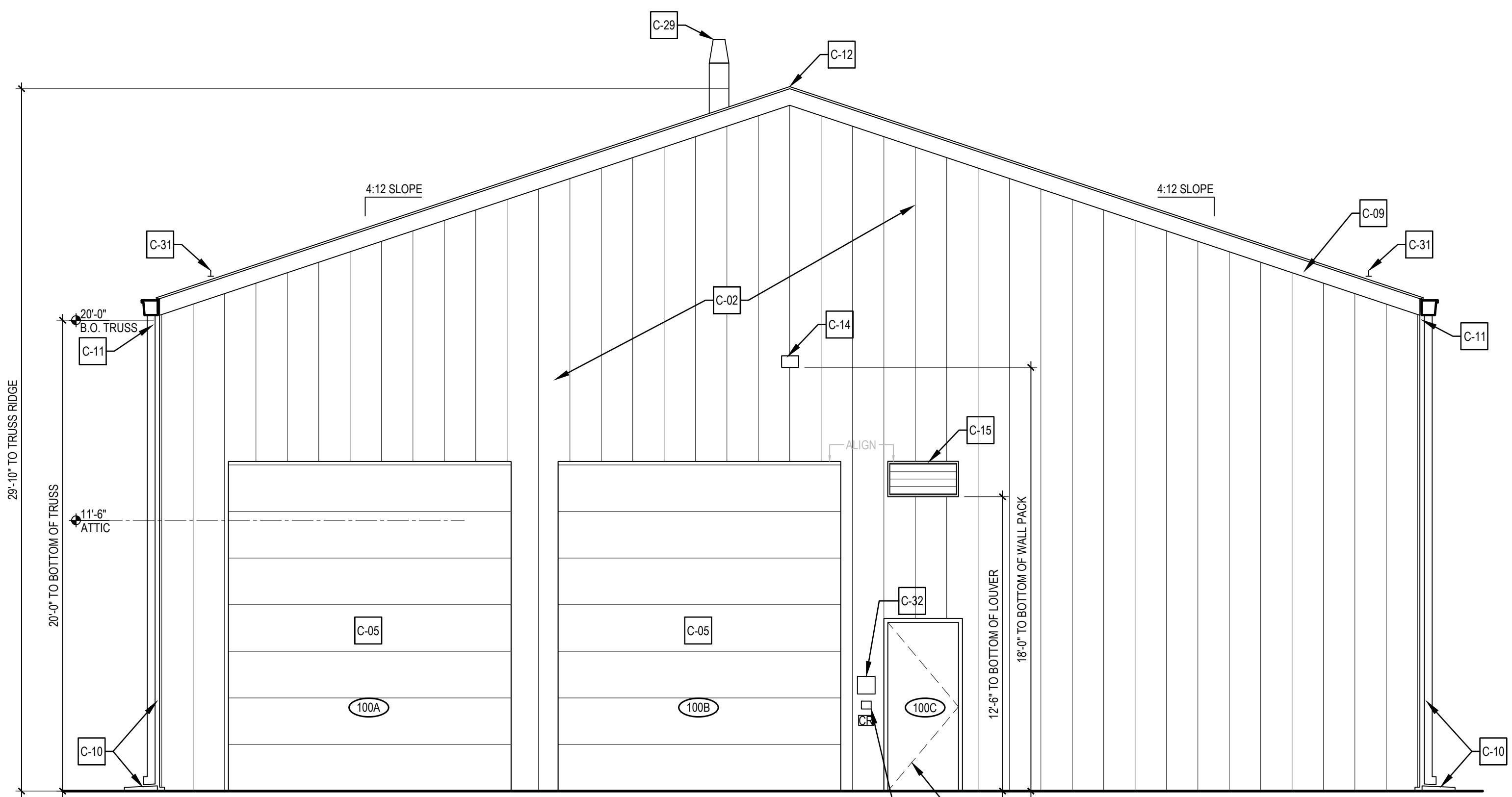
DRAWN	CHKD	PROJECT NO.
GC	PG	23020

SHEET NO.
A-102

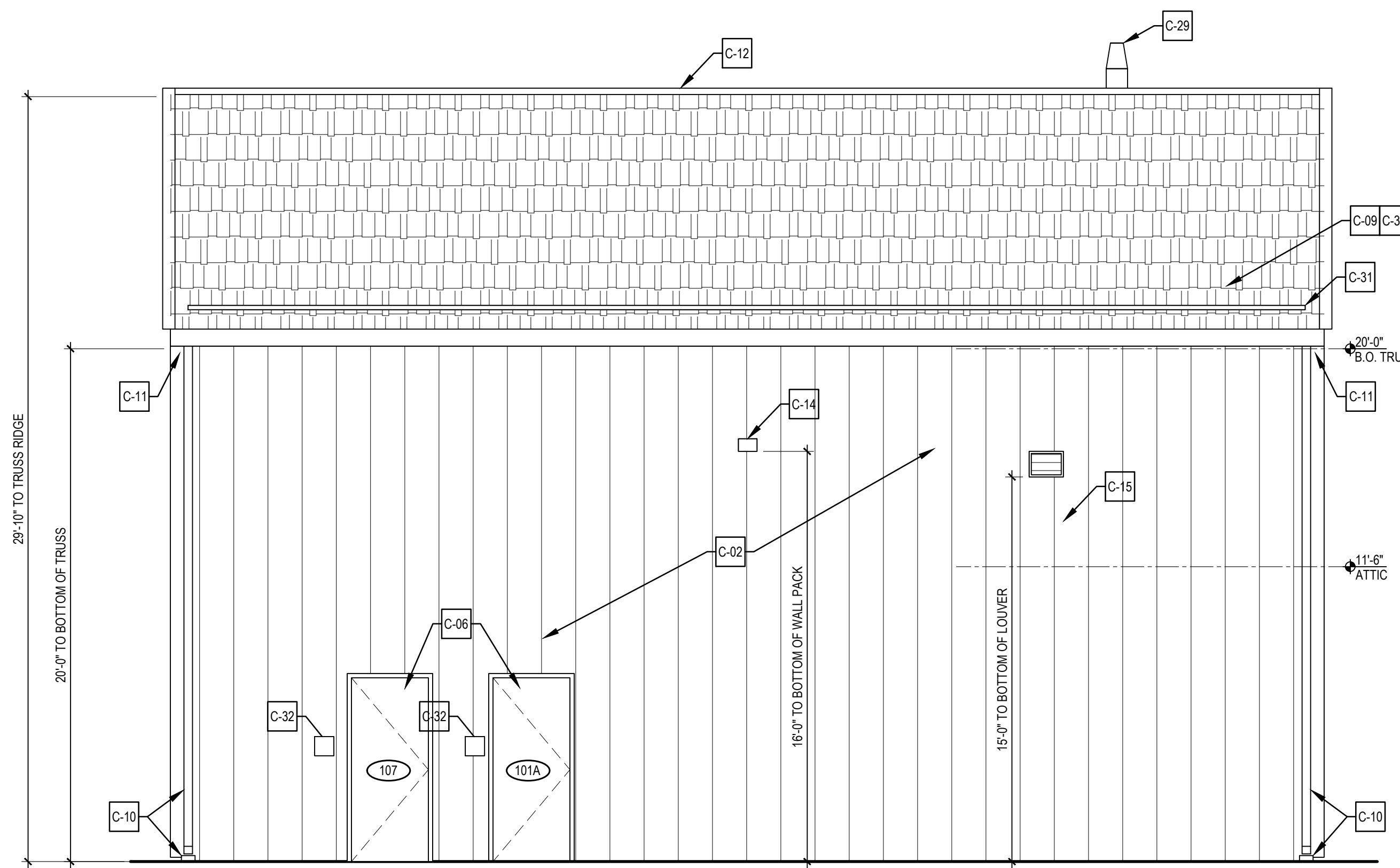
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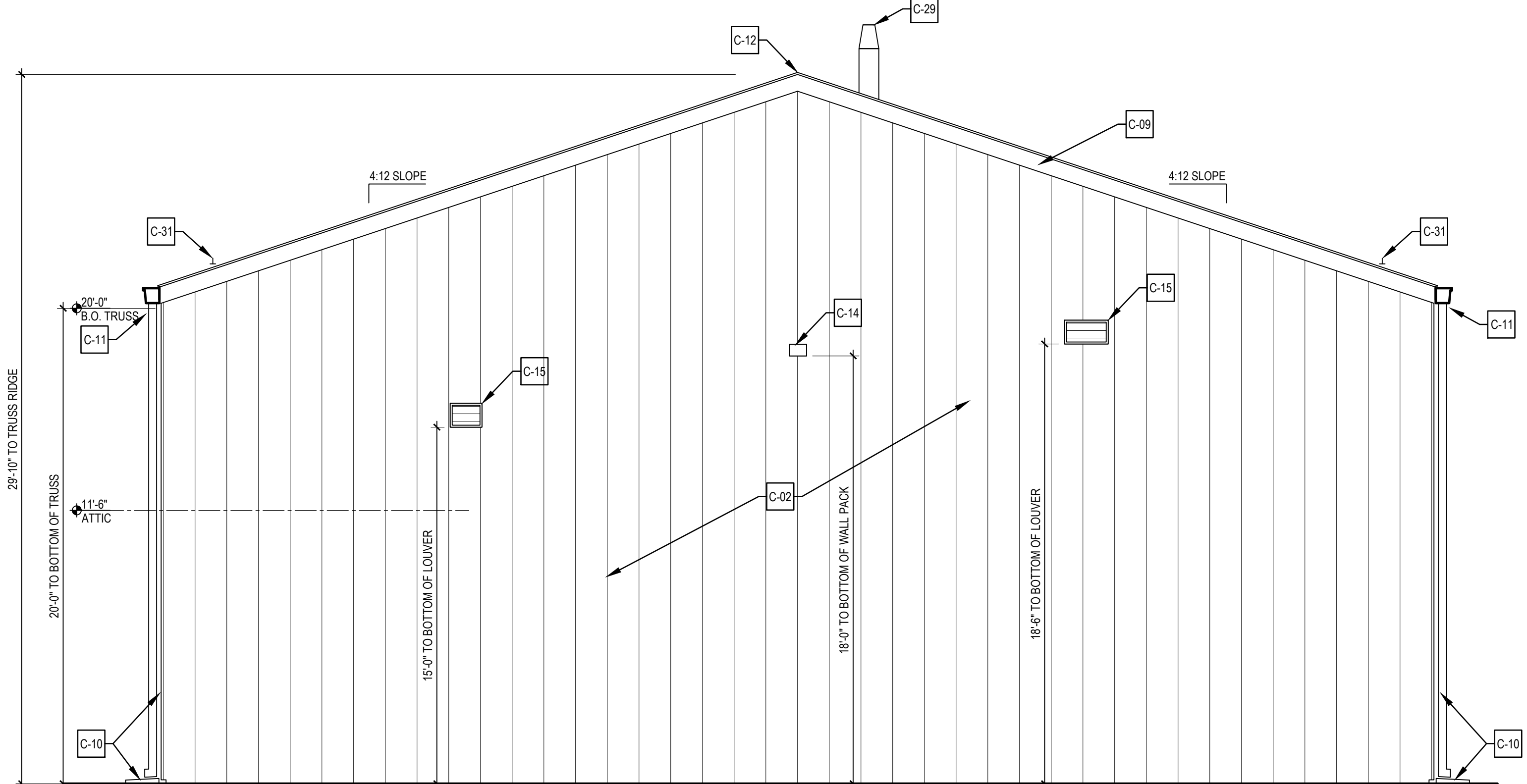
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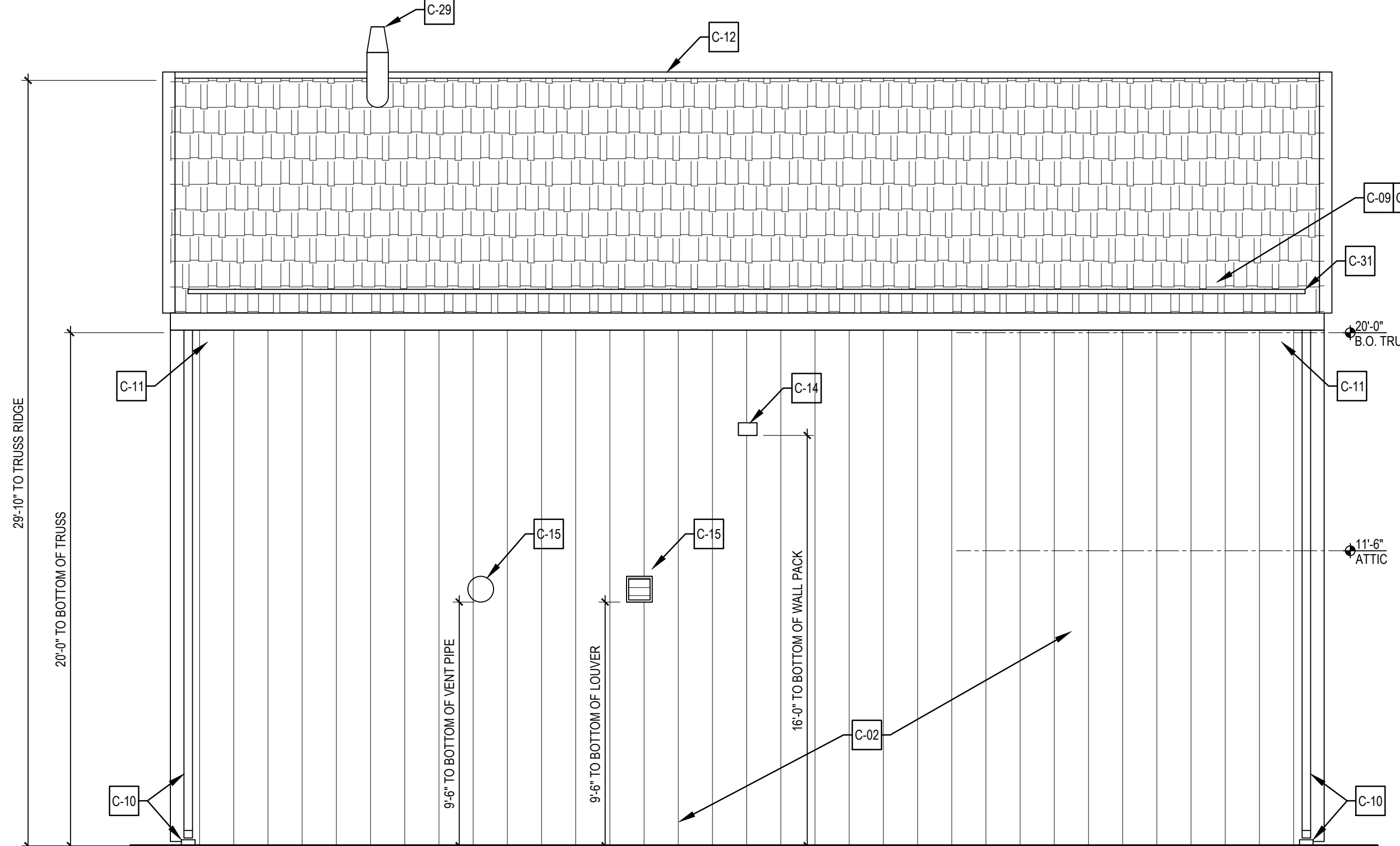
1 BUILDING ELEVATION
A-201 SCALE: 1/4" = 1'-0"



2 BUILDING ELEVATION
A-201 SCALE: 1/4" = 1'-0"



3 BUILDING ELEVATION
A-201 SCALE: 1/4" = 1'-0"



4 BUILDING ELEVATION
A-201 SCALE: 1/4" = 1'-0"

CONSTRUCTION KEYNOTES	
NOT ALL NOTES REFERENCED ON THIS SHEET, TYP.	
C-01	FURNISH AND INSTALL WOOD TRUSSES AT 24" O.C. SEE STRUCTURAL DRAWINGS.
C-02	METAL WALL PANEL OVER 8" METAL STUDS. SEE SHEET A-602 FOR EXT. WALL ASSEMBLY DETAILS. SEE STRUCTURAL DRAWINGS FOR FRAMING DETAILS.
C-03	INTERIOR WALL FINISH. SEE FINISH SCHEDULE AND DETAILS.
C-04	SEAL NEW CONCRETE SLAB. BASIS OF DESIGN H&C CLEAR LIQUID HARDENER AND DENSIFIER.
C-05	FURNISH AND INSTALL INSULATED SECTIONAL OVERHEAD DOOR.
C-06	FURNISH AND INSTALL INSULATED HOLLOW METAL DOOR AND FRAME.
C-07	FURNISH AND INSTALL CONCRETE FILLED STEEL BOLLARDS. SEE CIVIL DRAWINGS FOR DETAILS.
C-08	FURNISH AND INSTALL NEW WALL MOUNTED FIRE EXTINGUISHER (MINIMUM 2A:10B:C)
C-09	FURNISH AND INSTALL ASPHALT SHINGLE ROOF.
C-10	FURNISH AND INSTALL METAL DOWNSPOUT AND CONCRETE SPLASH BLOCK AT BASE.
C-11	FURNISH AND INSTALL METAL GUTTER.
C-12	FURNISH AND INSTALL RIDGE VENT. SEE DETAIL 77 / A-602 FOR BASE BID AND 78 / A-602 FOR ALTERNATE #2.
C-13	ALTERNATE #1: FURNISH AND INSTALL CFMF TRUSSES IN LIEU OF WOOD TRUSSES. SEE STRUCTURAL DRAWINGS.
C-14	FURNISH AND INSTALL LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION.
C-15	FURNISH AND INSTALL LOUVER. SEE MECHANICAL DRAWINGS.
C-16	FURNISH AND INSTALL EXHAUST FAN. SEE MECHANICAL DRAWINGS.
C-17	FURNISH AND INSTALL NEW EXTERIOR CONCRETE SIDEWALK. SLOPE PAD AWAY FROM BUILDING. SEE CIVIL AND STRUCTURAL DRAWINGS FOR MORE INFORMATION.
C-18	OVERHEAD DOOR HORIZONTAL TRACK ABOVE. PROVIDE BRACKETS TO STRUCTURE ABOVE.
C-19	FURNISH AND INSTALL KNOX BOX.
C-20	FURNISH AND INSTALL TRENCH DRAIN AT GARAGE DOORS. SEE PLUMBING DWGS. FOR MORE INFO.
C-21	FURNISH AND INSTALL HEAVY-DUTY STEEL SHELVING (SEE SIZES ON PLAN). BASIS OF DESIGN SHALL BE "HEAVY-DUTY STEEL SHELVING" H-4864 AND H-4862 BY U-LINE.
C-22	FURNISH AND INSTALL 24" X 36" ACCESS PANEL.
C-23	FURNISH AND INSTALL NEW COUNTERTOP, CASEWORK, AND WALL CABINETS. SEE ENLARGED PLAN, ELEVATIONS, AND SECTIONS FOR MORE INFO.
C-24	FURNISH AND INSTALL NEW FUME HOOD WITH CABINETS. SEE MECH. DRAWINGS FOR MORE INFO.
C-25	FURNISH AND INSTALL NEW STACKABLE WASHER AND DRYER. BASIS OF DESIGN SHALL BE LG - 4.5 CU. FT. HE SMART FRONT LOAD WASHER AND 7.4 CU. FT. ELECTRIC DRYER WASHTOWER WITH BUILT-IN INTELLIGENCE - WHITE (WKE100HW4)
C-26	FURNISH AND INSTALL NEW 48" L X 24" W 36" H MOBILE STAINLESS STEEL WORKTABLE WITH ADJUSTABLE BOTTOM SHELF. BASIS OF DESIGN SHALL BE H-9645 BY U-LINE.
C-27	FURNISH AND INSTALL SINGLE TIER METAL LOCKER (12" W X 12" D X 6" H) WITH METAL BASE AND SLOPED TOP.
C-28	FURNISH AND INSTALL NEW ATTIC LADDER. BASIS OF DESIGN: 35.5 X 63" ALUMINUM ATTIC LADDER, 350-POUND LOAD CAPACITY, MODEL AL258P BY LOUISVILLE LADDER. SEE STRUCTURAL DRAWINGS FOR OPENING FRAMING. SEE DETAILS 3, 4, AND 5 ON SHEET A-401.
C-29	ROOF EXHAUST FOR FUME HOOD. SEE MECH. DRAWINGS FOR MORE INFO. SEE DETAIL '5 / A-602'.
C-30	FURNISH AND INSTALL STANDING SEAM METAL ROOF SYSTEM IN LIEU OF ASPHALT SHINGLE ROOF.
C-31	ALTERNATE #2: FURNISH AND INSTALL SNOW GUARDS.
C-32	FURNISH AND INSTALL NEW SIGNAGE. SEE SPECIFICATIONS FOR MORE INFORMATION.



CONSULTANT

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SIGNATURE:
DATE OF SIGNATURE:
DATE OF REGISTRATION EXPIRATION:
ARCHITECT/ENGINEER SEAL

STATE OF DELAWARE
 OMB / DIVISION OF FACILITIES MANAGEMENT
 OMB / DFM # MJ100200070A
 EVIDENCE PROCESSING BUILDING
 AT THE
 SUSSEX COUNTY FIRE MARSHAL
 OFFICE OF THE STATE FIRE MARSHAL - 22705 PARK AVE
 GEORGETOWN, DE 19947

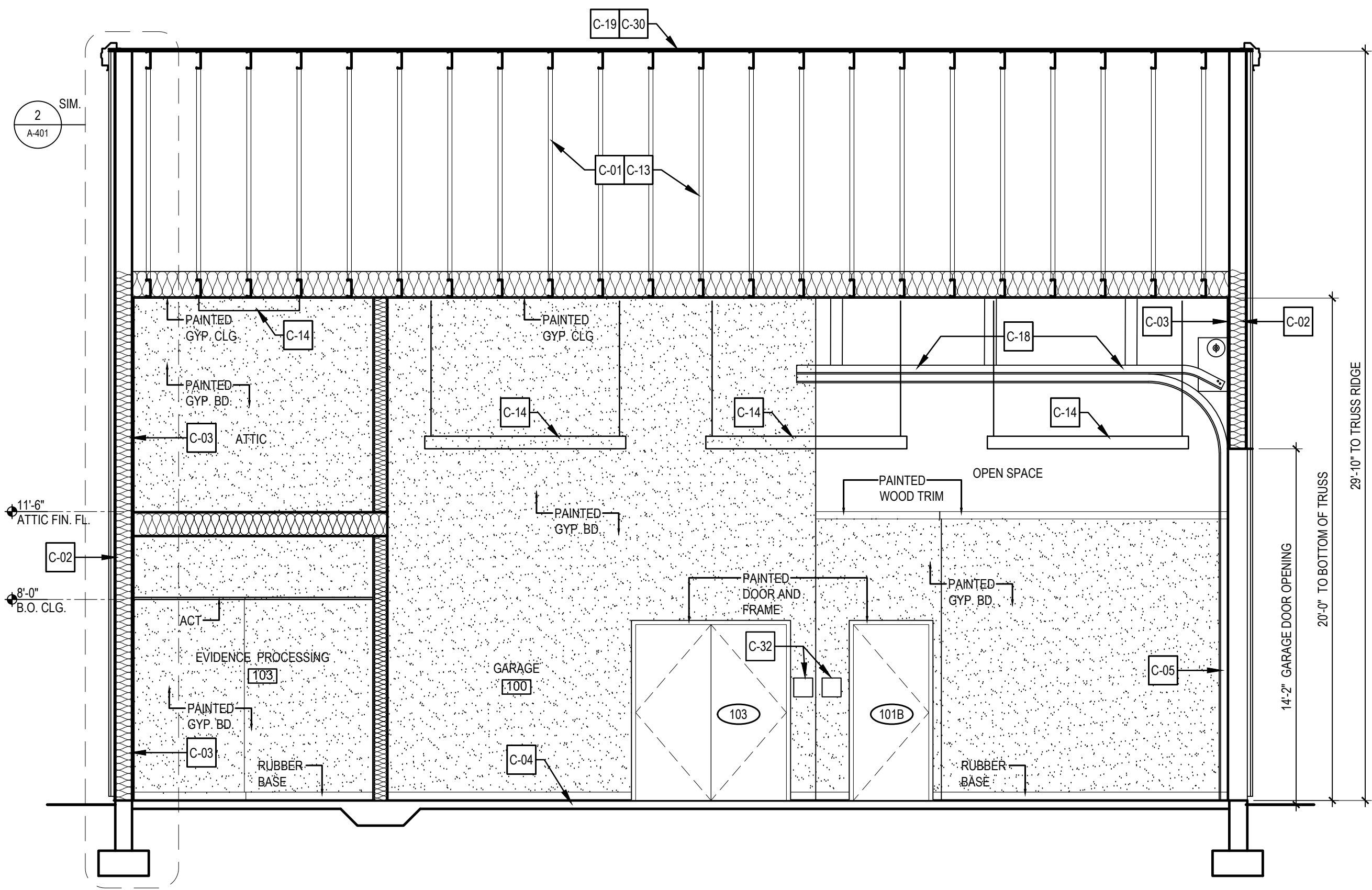
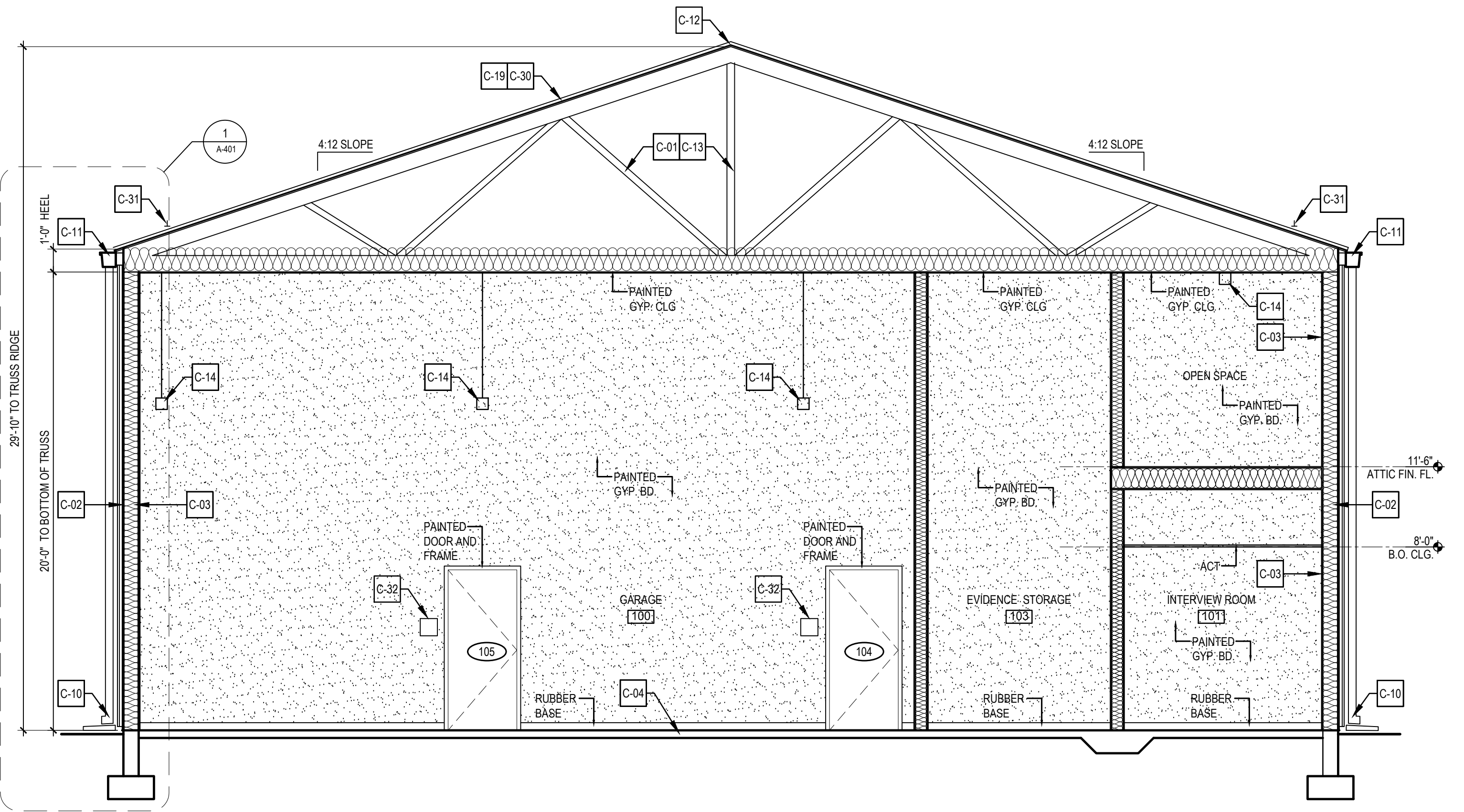
REVISIONS		
MARK	DESCRIPTION	DATE

SHEET TITLE

BUILDING ELEVATIONS - EVIDENCE PROCESSING BUILDING

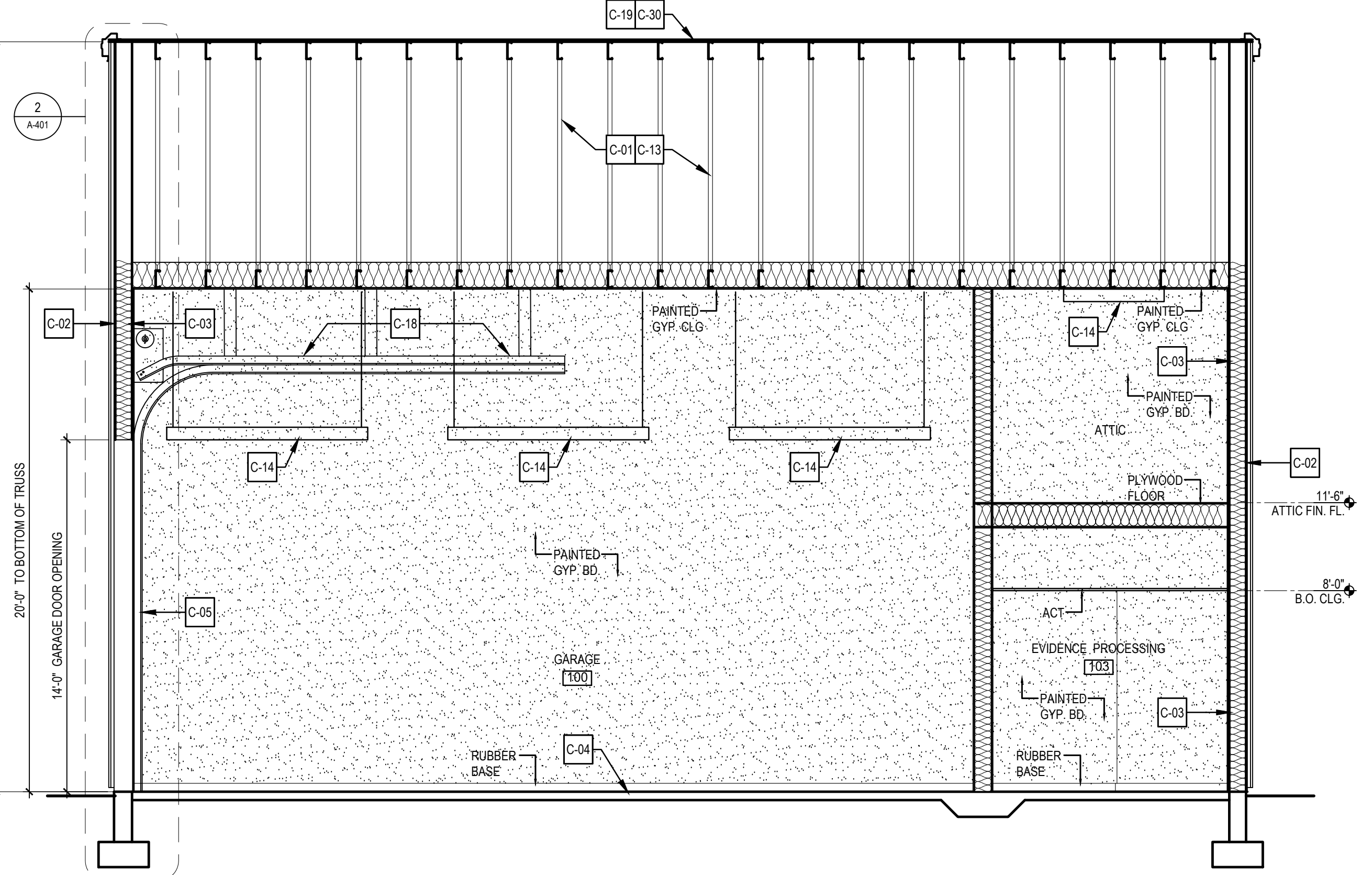
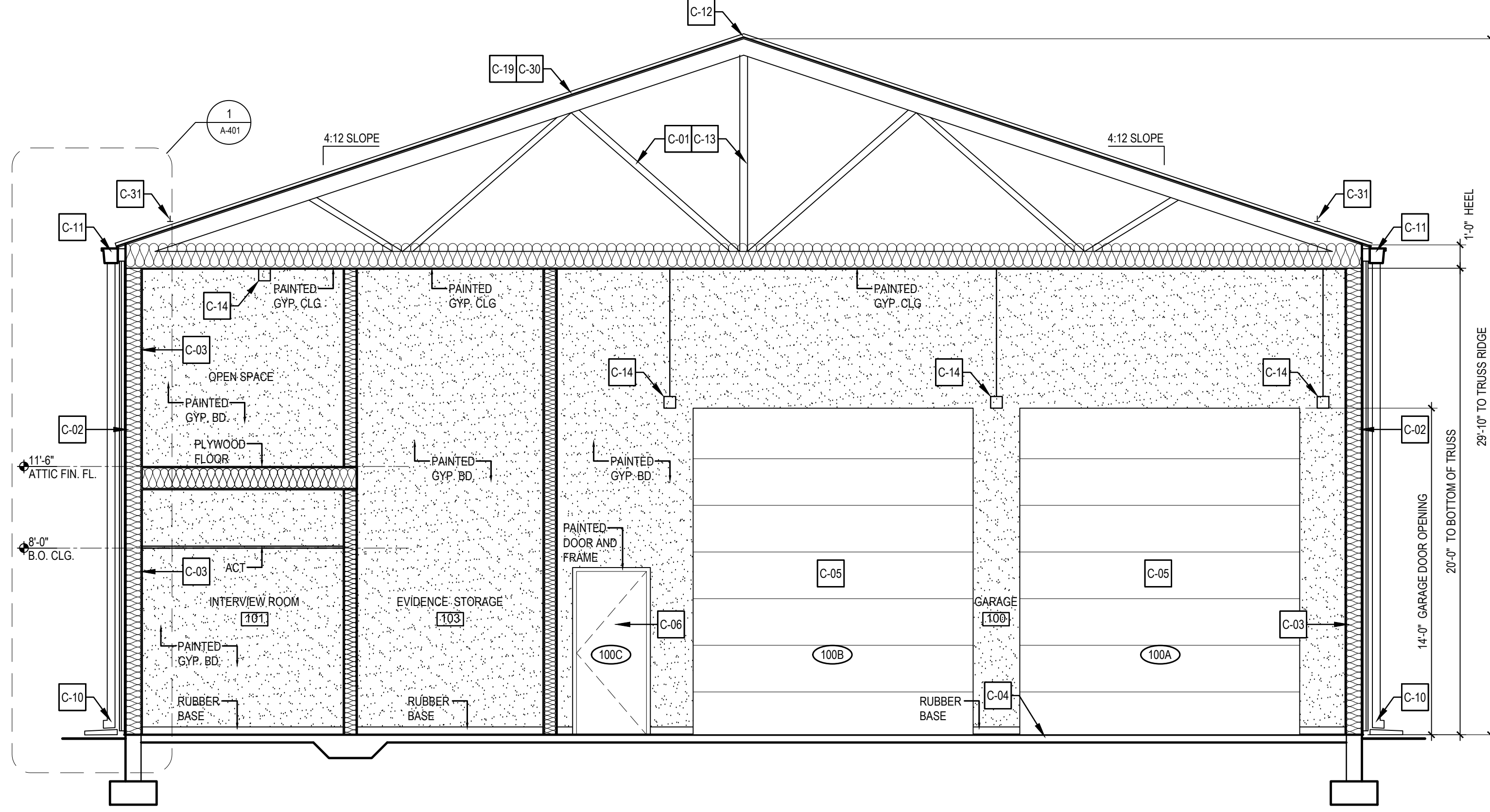
BID DOCUMENTS
 MARCH 18, 2024
 DRAWN AM | CHKD GC | PROJECT NO. 23020
 SHEET NO. **A-201**

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1 BUILDING SECTION
A-301 SCALE: 1/4" = 1'-0"

2 BUILDING SECTION
A-301 SCALE: 1/4" = 1'-0"



3 BUILDING SECTION
A-301 SCALE: 1/4" = 1'-0"

4 BUILDING SECTION
A-301 SCALE: 1/4" = 1'-0"

CONSTRUCTION KEYNOTES	
NOT ALL NOTES REFERENCED ON THIS SHEET, TYP.	
C-01	FURNISH AND INSTALL WOOD TRUSSES AT 24" O.C. SEE STRUCTURAL DRAWINGS.
C-02	METAL WALL PANEL OVER 8" METAL STUDS. SEE SHEET A-602 FOR EXT. WALL ASSEMBLY DETAILS. SEE STRUCTURAL DRAWINGS FOR FRAMING DETAILS.
C-03	INTERIOR WALL FINISH. SEE FINISH SCHEDULE AND DETAILS.
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C-12	FURNISH AND INSTALL RIDGE VENT. SEE DETAIL 77 / A-602* FOR BASE BID AND 78 / A-602* FOR ALTERNATE #2.
C-13	ALTERNATE #1: FURNISH AND INSTALL CMF TRUSSES IN LIEU OF WOOD TRUSSES. SEE STRUCTURAL DRAWINGS.
C-14	FURNISH AND INSTALL LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION.
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C-29	ROOF EXHAUST FOR FUME HOOD. SEE MECH. DRAWINGS FOR MORE INFO. SEE DETAIL 5 / A-602*.
C-30	ALTERNATE #2: FURNISH AND INSTALL STANDING SEAM METAL ROOF SYSTEM IN LIEU OF ASPHALT SHINGLE ROOF.
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C-32	FURNISH AND INSTALL NEW SIGNAGE. SEE SPECIFICATIONS FOR MORE INFORMATION.

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 SIGNATURE: _____
 DATE OF SIGNATURE: _____
 DATE OF REGISTRATION EXPIRATION: _____
 ARCHITECT/ENGINEER SEAL

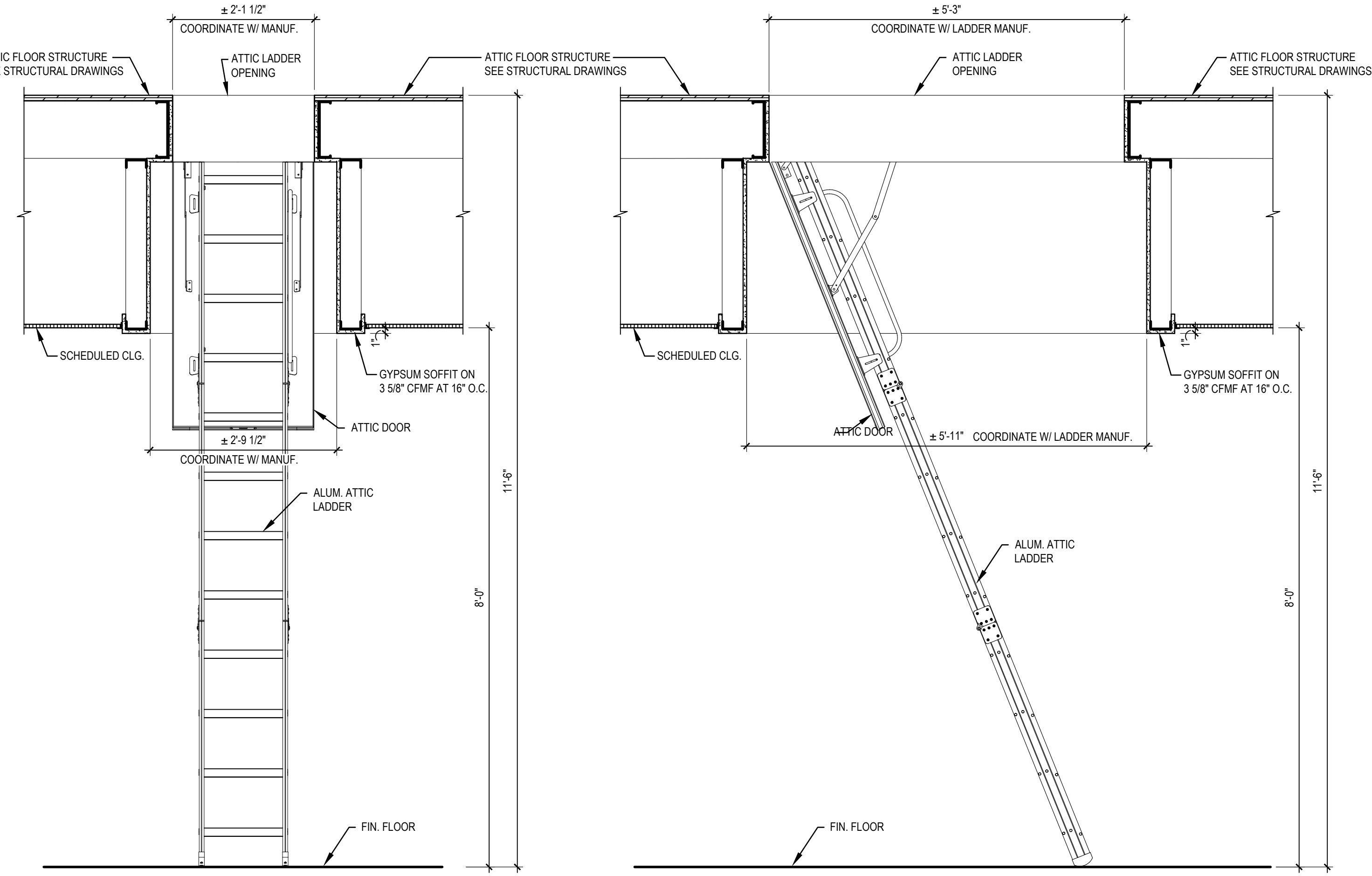
STATE OF DELAWARE
 OMB/ DIVISION OF FACILITIES MANAGEMENT
 OMB/DFM # MJ1002000070A
EVIDENCE PROCESSING BUILDING
 AT THE
 SUSSEX COUNTY FIRE MARSHAL
 OFFICE OF THE STATE FIRE MARSHAL - 22705 PARK AVE
 GEORGETOWN, DE 19947

REVISIONS		
MARK	DESCRIPTION	DATE

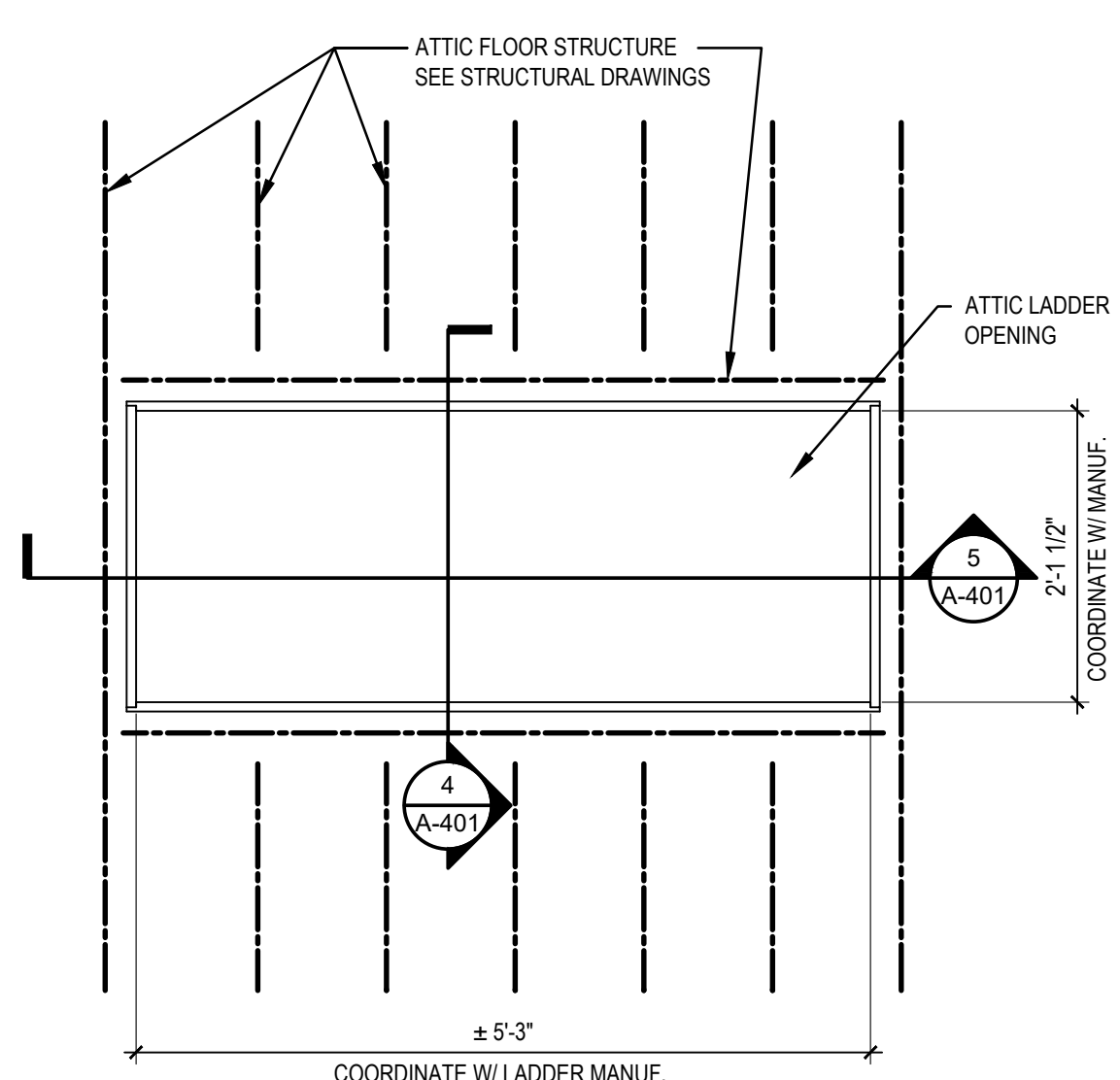
SHEET TITLE
BUILDING SECTIONS - EVIDENCE PROCESSING BUILDING
 BID DOCUMENTS
 MARCH 18, 2024
 DRAWN AM CHKD GC PROJECT NO. 23020
 SHEET NO.
A-301

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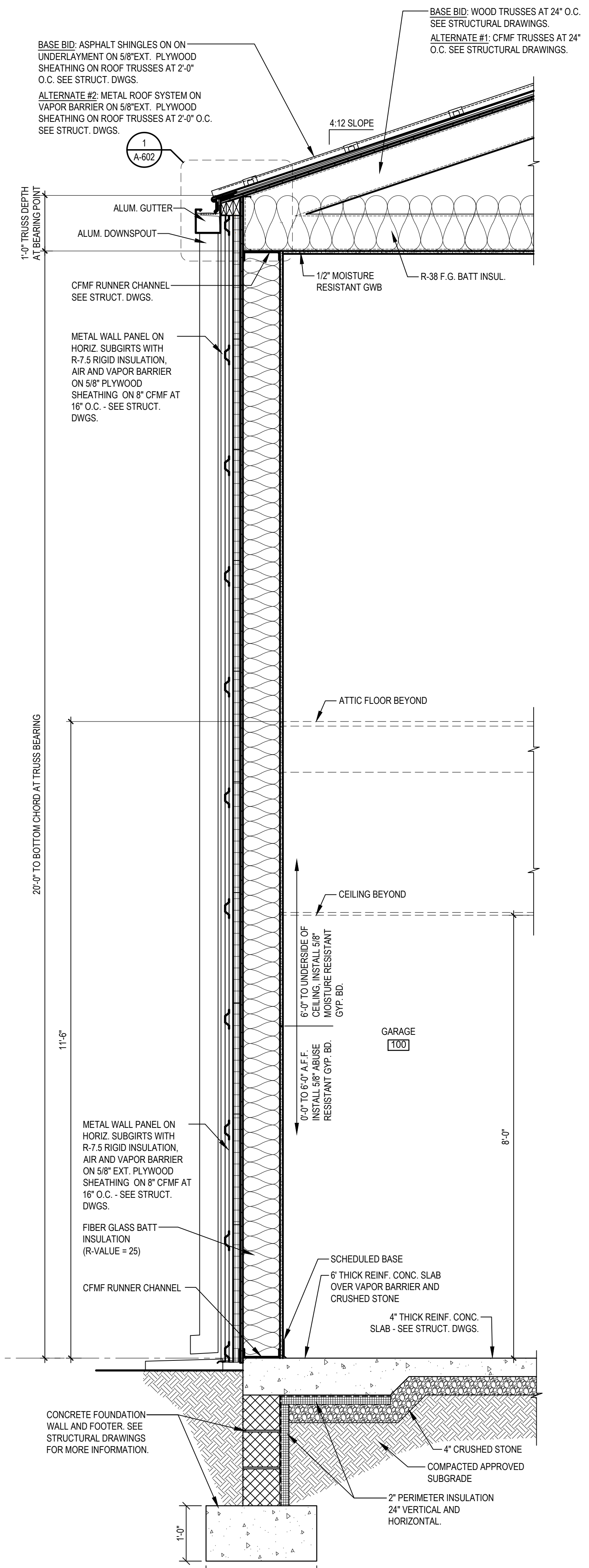
4 ATTIC LADDER SECTION
A-401 SCALE: 3/4" = 1'-0"



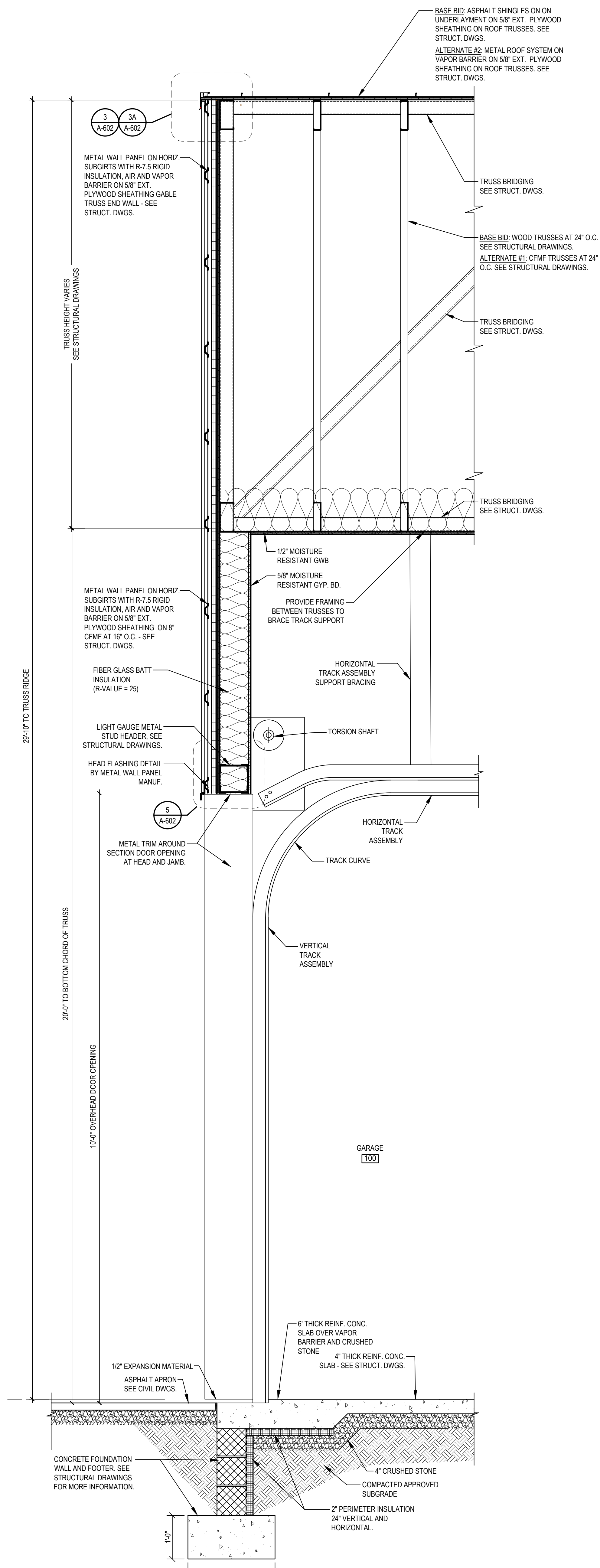
3 ATTIC LADDER PLAN
A-401 SCALE: 3/4" = 1'-0"



1 WALL SECTION
A-401 SCALE: 3/4" = 1'-0"



2 WALL SECTION
A-401 SCALE: 3/4" = 1'-0"



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DATE OF REGISTRATION EXPIRATION: _____
ARCHITECT / ENGINEER SEAL

STATE OF DELAWARE
DIVISION OF FACILITIES MANAGEMENT
OMB/DFM # M01002000070A
EVIDENCE PROCESSING BUILDING
AT THE
SUSSEX COUNTY FIRE MARSHAL
OFFICE OF THE STATE FIRE MARSHAL - 22706 PARK AVE
GEORGETOWN, DE 19947

REVISIONS		
MARK	DESCRIPTION	DATE

WALL SECTIONS AND DETAILS

BID DOCUMENTS
MARCH 18, 2024

DRAWN	CHKD	PROJECT NO.
AM	GC	23020

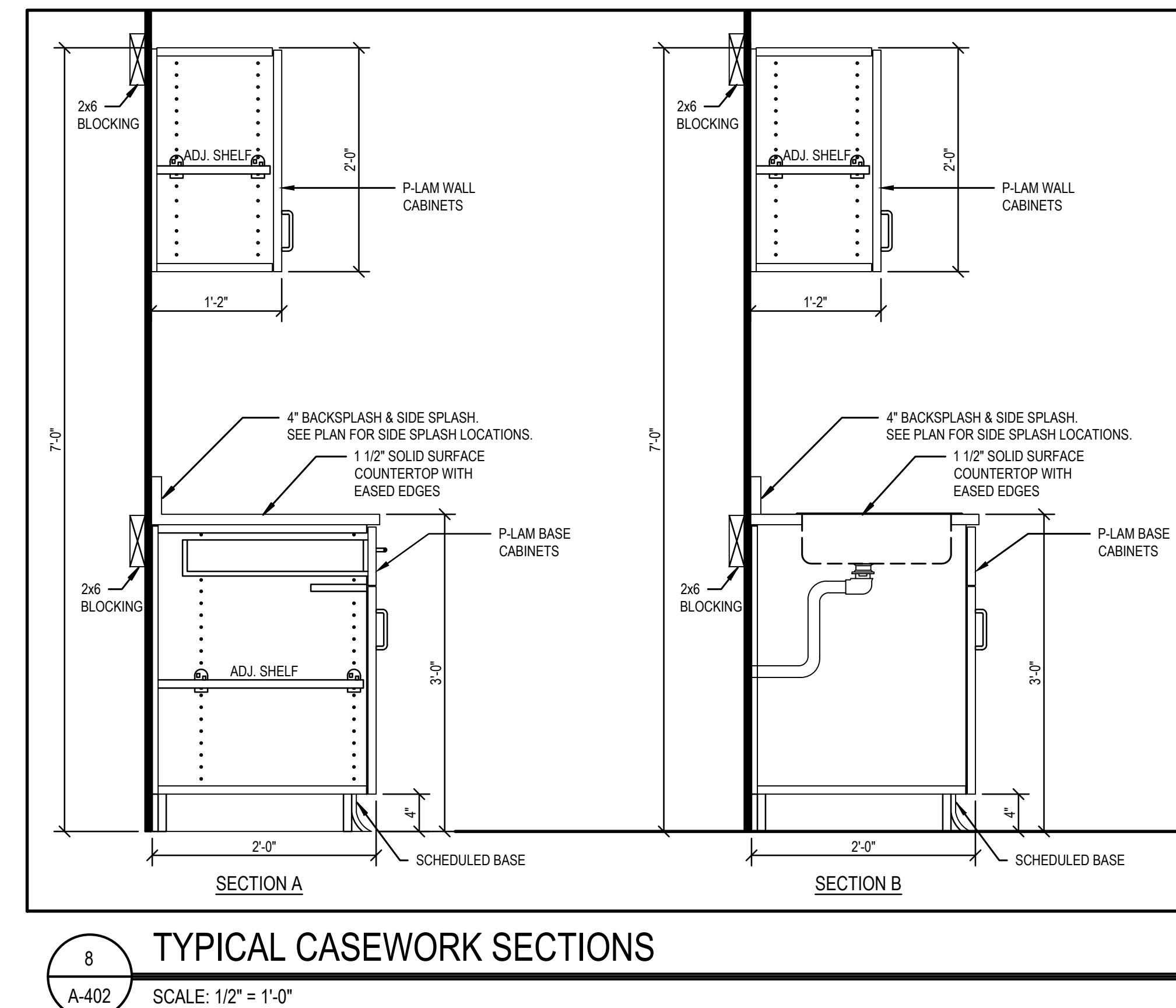
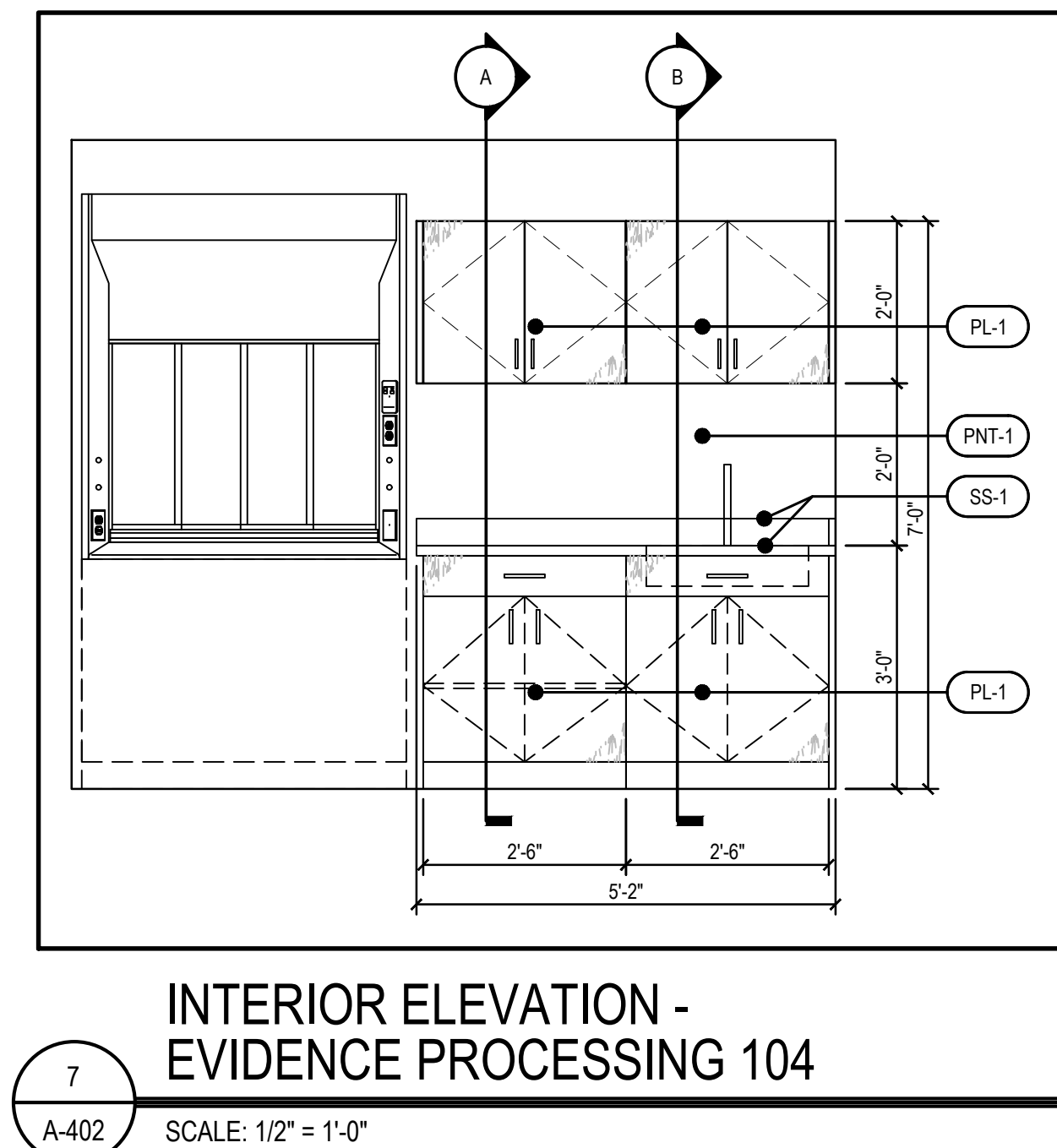
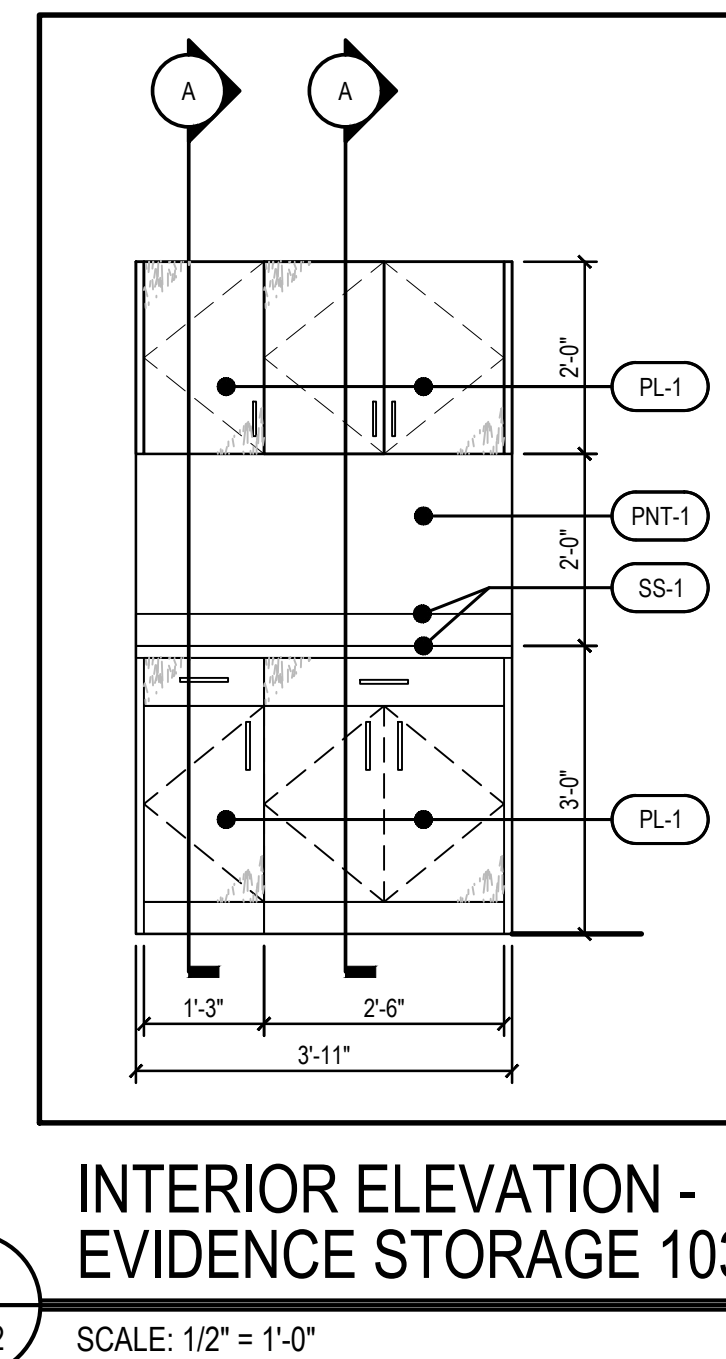
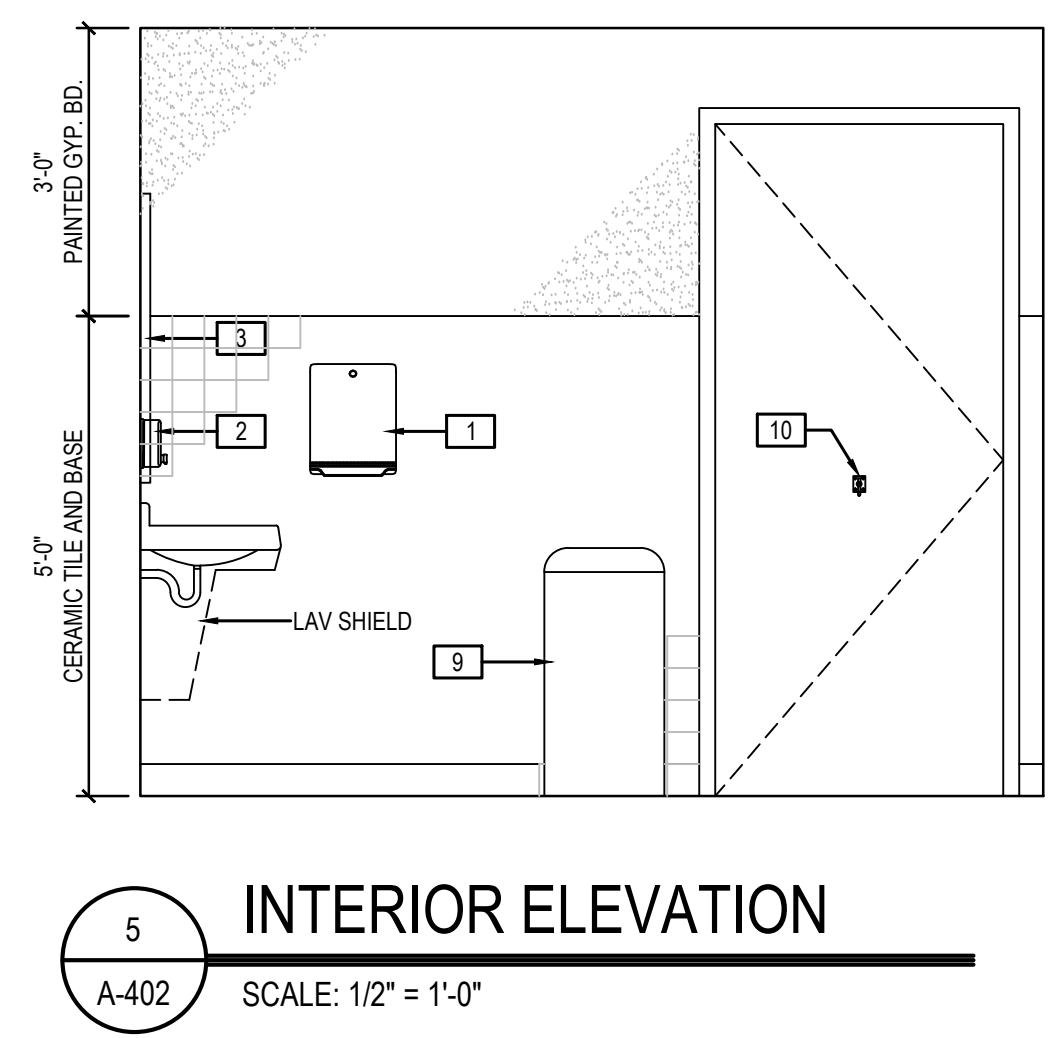
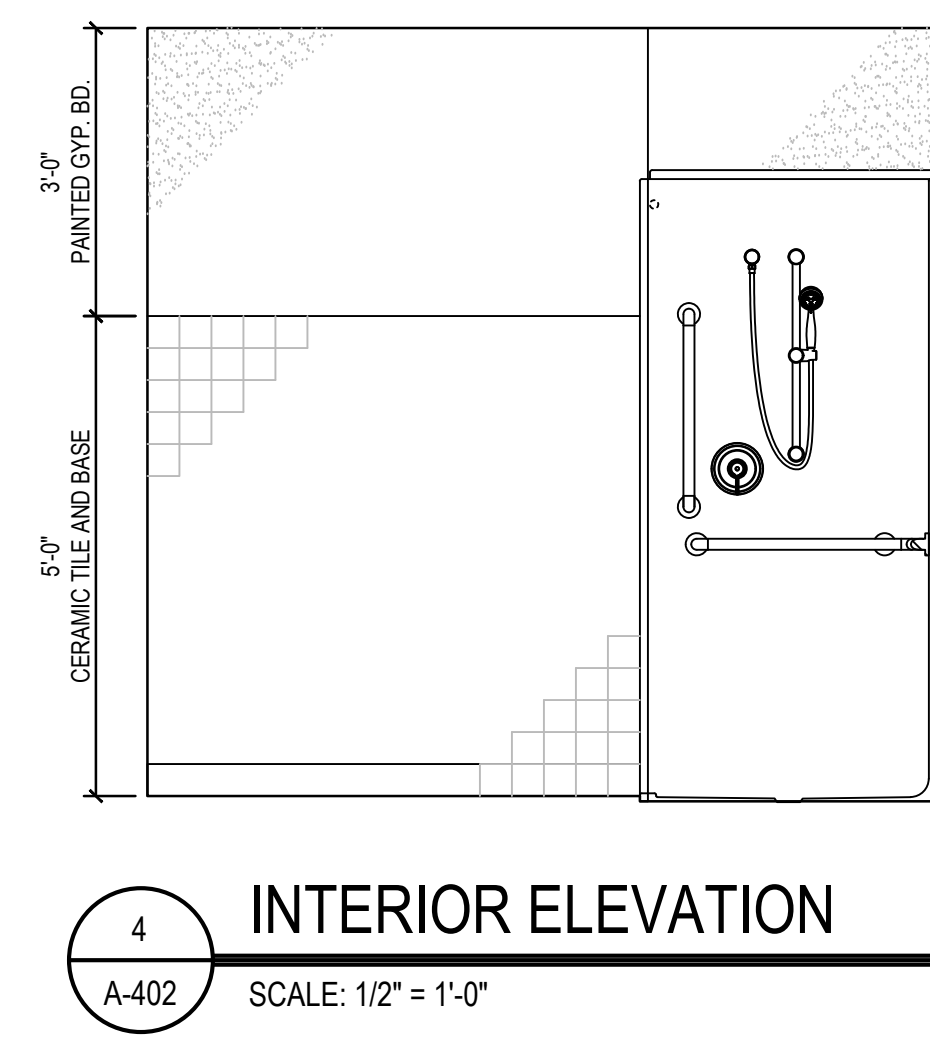
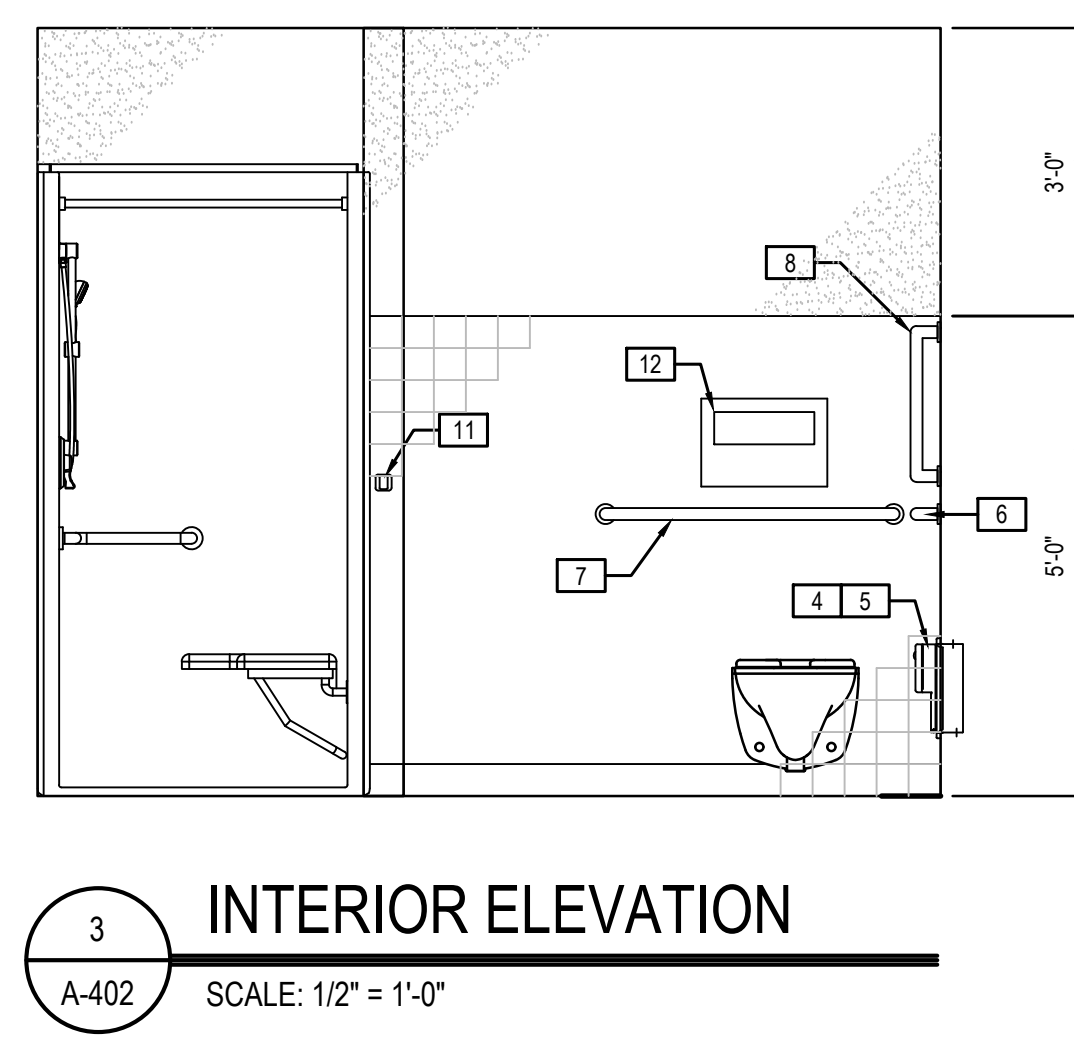
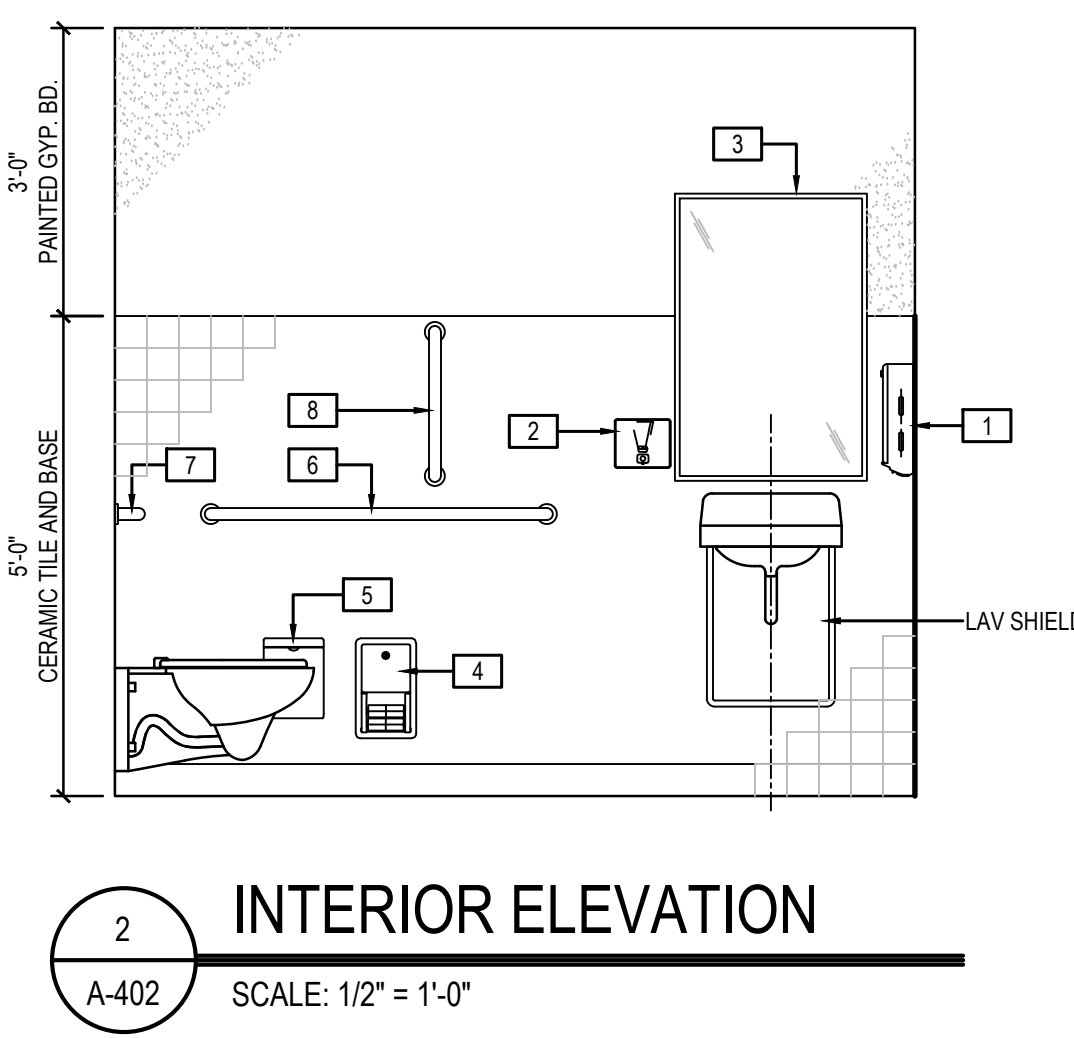
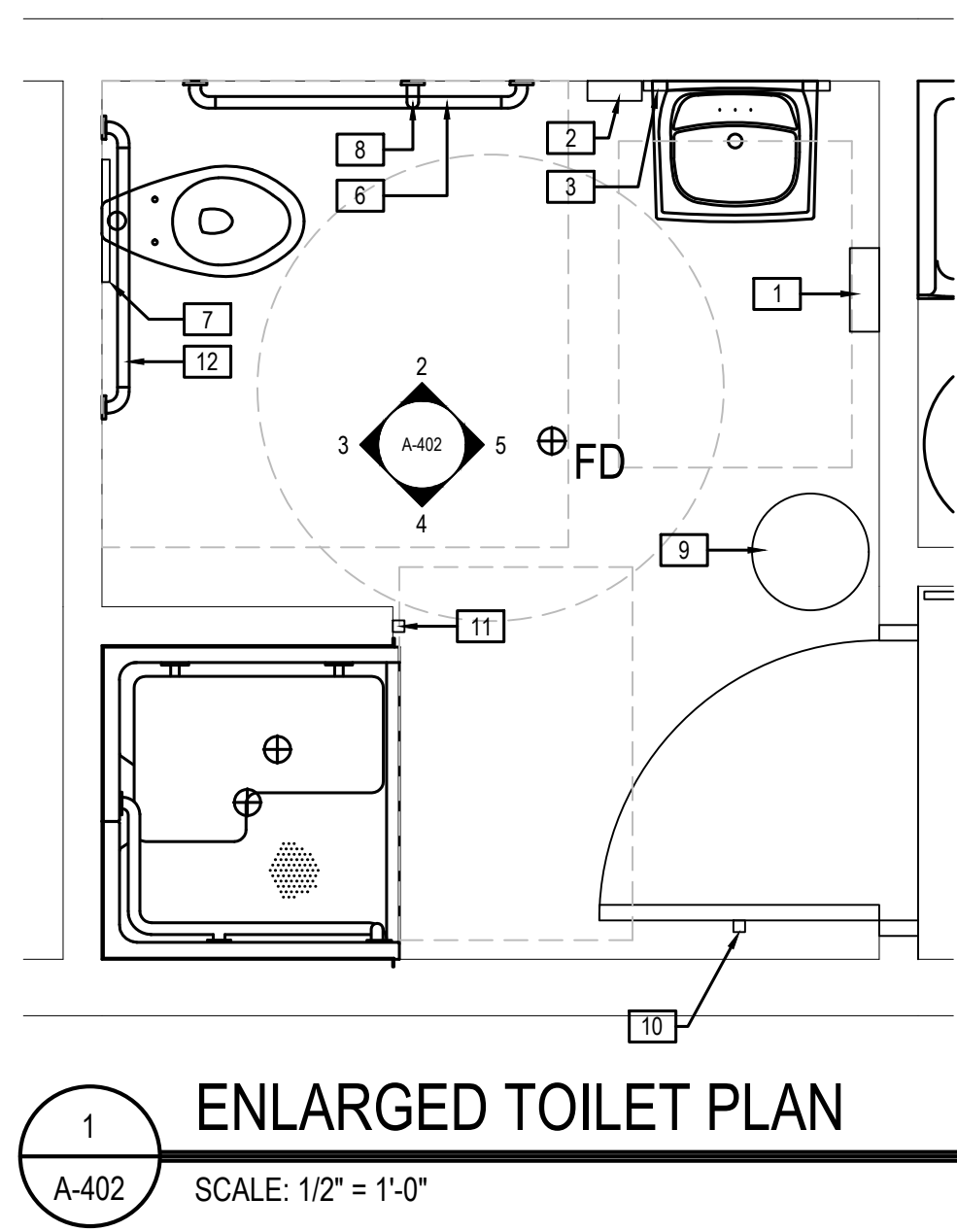
SHEET NO. **A-401**

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TOILET ACCESSORY SCHEDULE		
TAG	DESCRIPTION	BASIS OF DESIGN
1	SURFACE MOUNTED ADA COMPLIANT PAPER TOWEL DISPENSER	BOBRICK B - 282
2	SURFACE MOUNT SOAP DISPENSER	BOBRICK B - 4112
3	S.S. CHANNEL FRAME 24"x36" MIRROR	BOBRICK B - 290 - 2438
4	SURFACE MOUNT TOILET TISSUE DISPENSER	BOBRICK B - 2888
5	SURFACE MOUNT SANITARY NAPKIN RECEPTACLE	BOBRICK B - 270
6	1 1/2" O.D. 42" GRAB BAR	BOBRICK B - 6806 x 42
7	1 1/2" O.D. 36" GRAB BAR	BOBRICK B - 6806 x 36
8	1 1/2" O.D. 18" VERTICAL GRAB BAR	BOBRICK B - 6806 x 18
9	FREE STANDING TRASH RECEPTACLE	BOBRICK B - 2300
10	CLOTHES HOOK WITH BUMPER	BOBRICK B - 212
11	SINGLE ROBE HOOK	BOBRICK B - 78717
12	SURFACE MOUNTED SEAT-COVER DISPENSER	BOBRICK B - 221

GENERAL NOTES:

- CONTRACTOR TO FURNISH & INSTALL WOOD BLOCKING FOR ALL ACCESSORIES PER MANUFACTURER'S REQUIREMENTS.
- ALL DIMENSIONS ARE TAKEN FROM FINISH FLOOR.
- THE FOLLOWING PRODUCTS ARE BASIS OF DESIGN.



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DATE OF SIGNATURE:
DATE OF REGISTRATION EXPIRATION:
ARCHITECT / ENGINEER SEAL

PROJECT

STATE OF DELAWARE
OMB / DIVISION OF FACILITIES MANAGEMENT
OMB / DFM # MJ1002000070A
EVIDENCE PROCESSING BUILDING
AT THE
SUSSEX COUNTY FIRE MARSHAL - 2705 PARK AVE
GEORGETOWN, DE 19847

REVISIONS

MARK	DESCRIPTION	DATE

SHEET TITLE

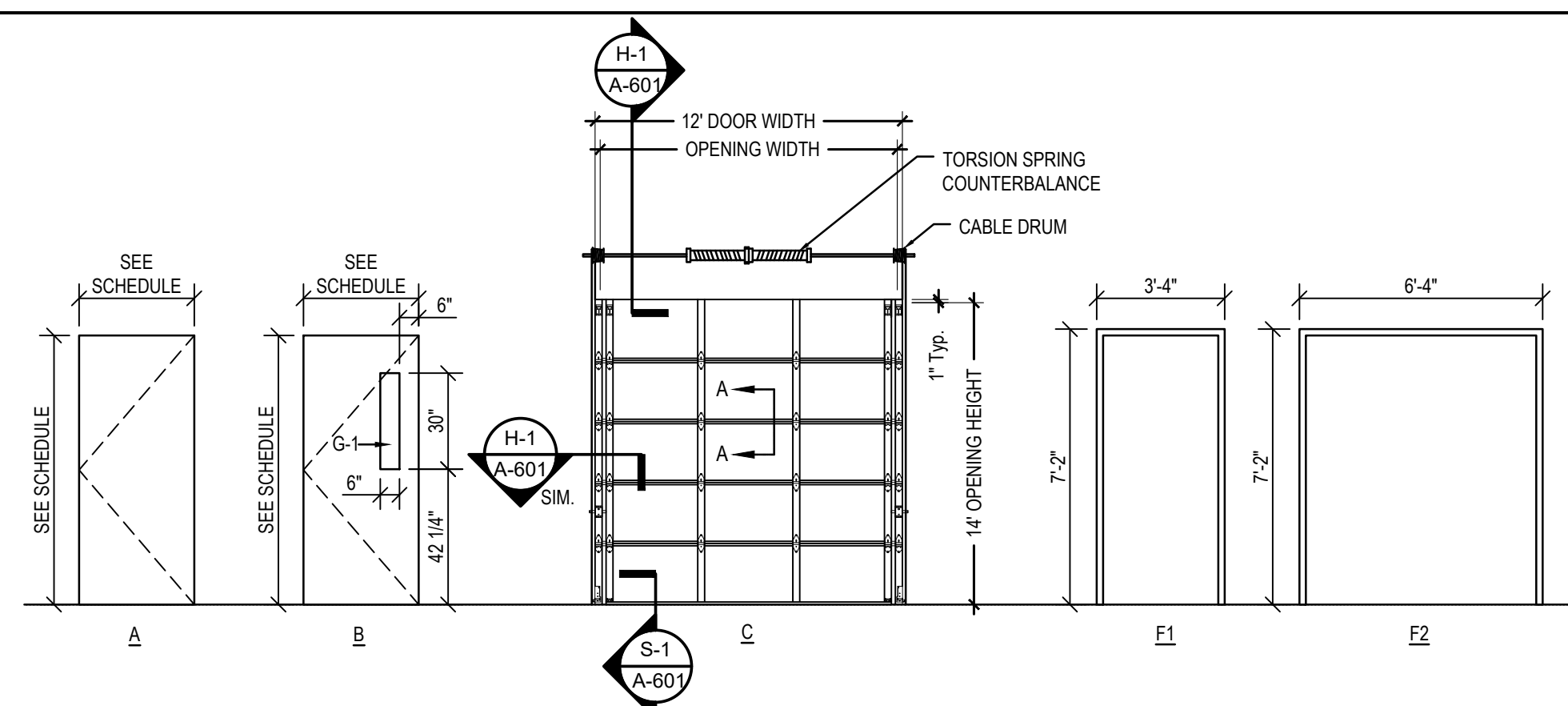
TOILET PLANS, INTERIOR ELEVATIONS, AND CASEWORK SECTIONS

BID DOCUMENTS
MARCH 18, 2024

DRAWN GC	CHKD PG	PROJECT NO. 23020
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SHEET NO.

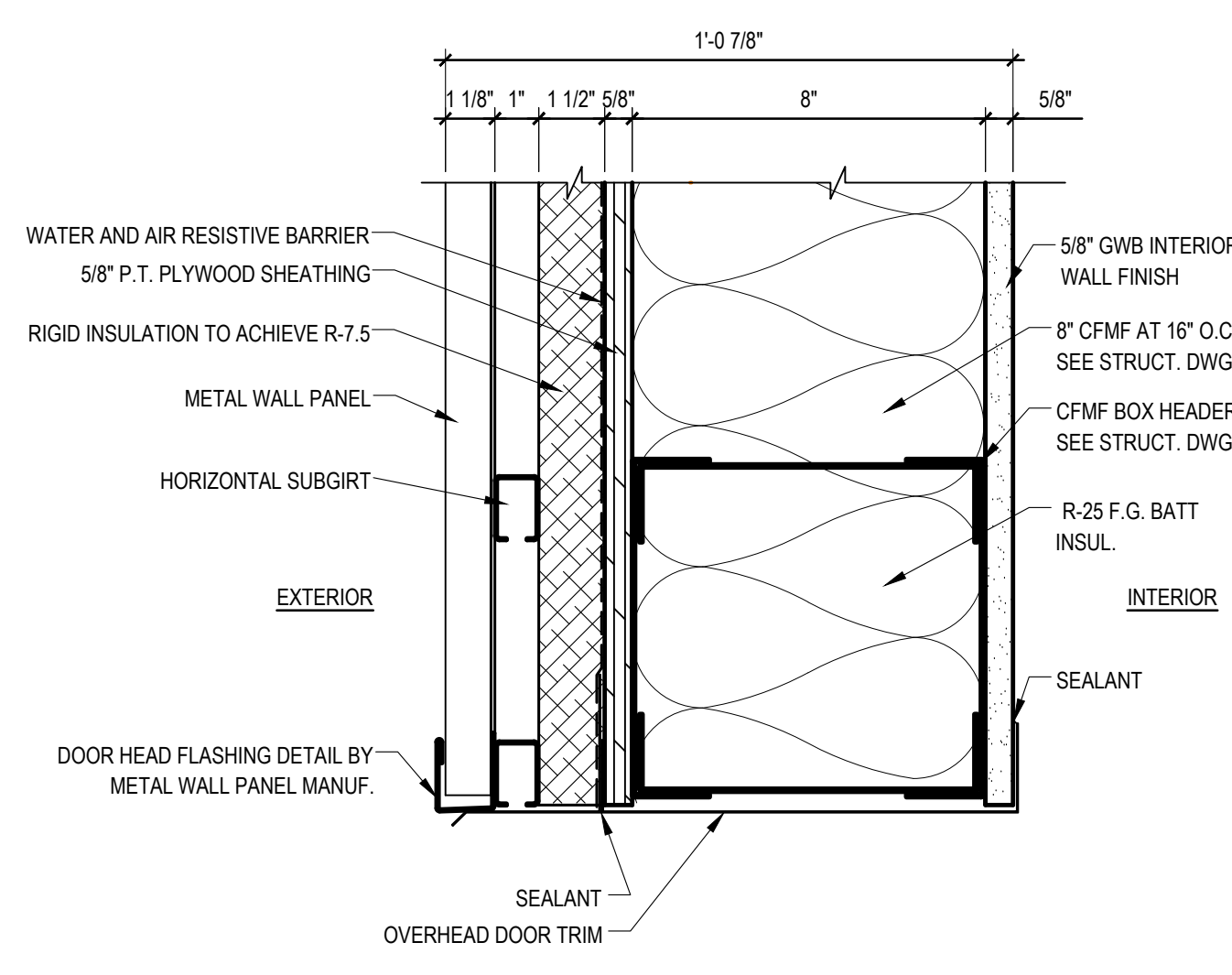
A-402



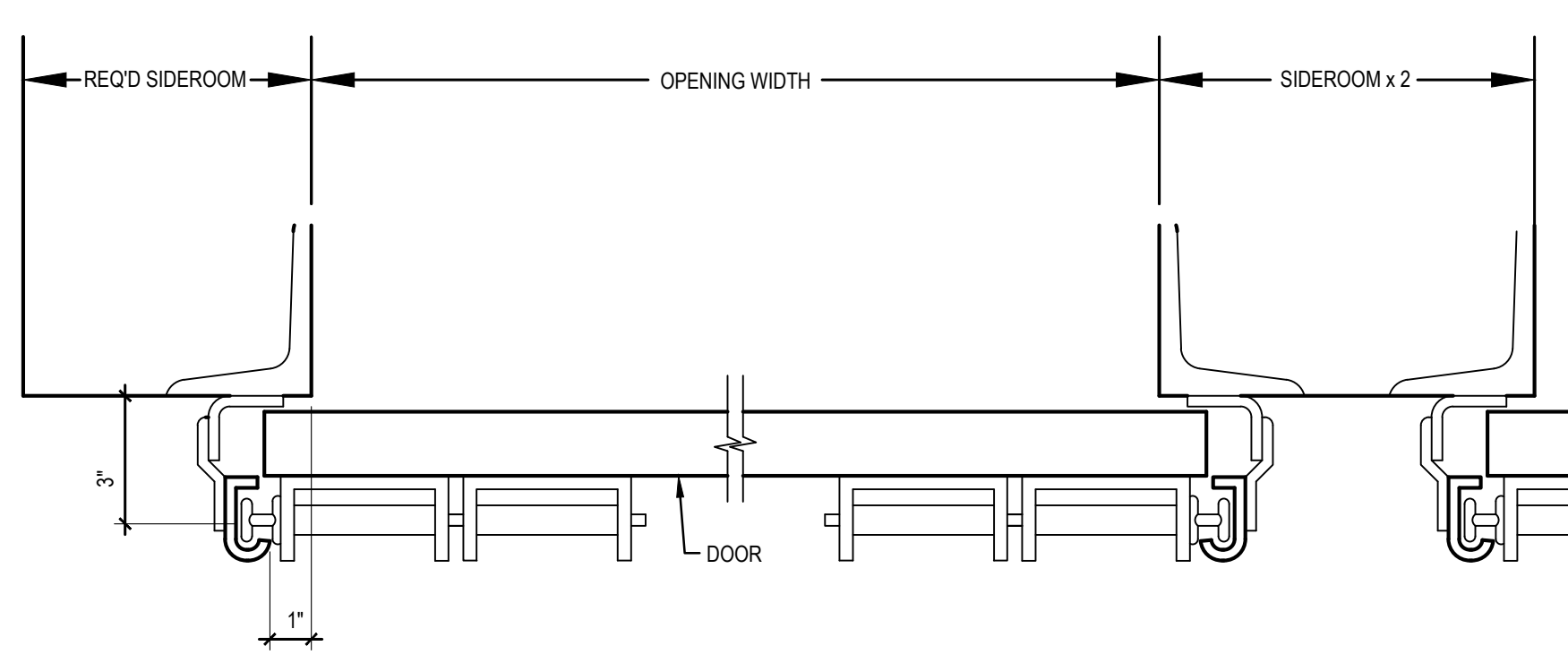
- HW SET # 01 - EXTERIOR, HMF, HMD DOOR - 107
- HW SET # 02 - INTERIOR, HMF, HMD DOOR - 101B, 102, 104
- HW SET # 04 - INTERIOR, HMF, HMD DOORS 104A, 105, 105A
- HW SET # 03 - INTERIOR, HMF, HMD DOOR - 103
- HW SET # 05 - INTERIOR, HMF, HMD DOOR - 106
- HW SET # 06 - EXTERIOR, HMF, INSUL HMD DOOR - 108
- HW SET # 01A - EXTERIOR, HMF, HMD, CARD ACCESS DOOR 100C, 101A

1 DOOR AND FRAME TYPES
A-601 SCALE: 1/4" = 1'-0"

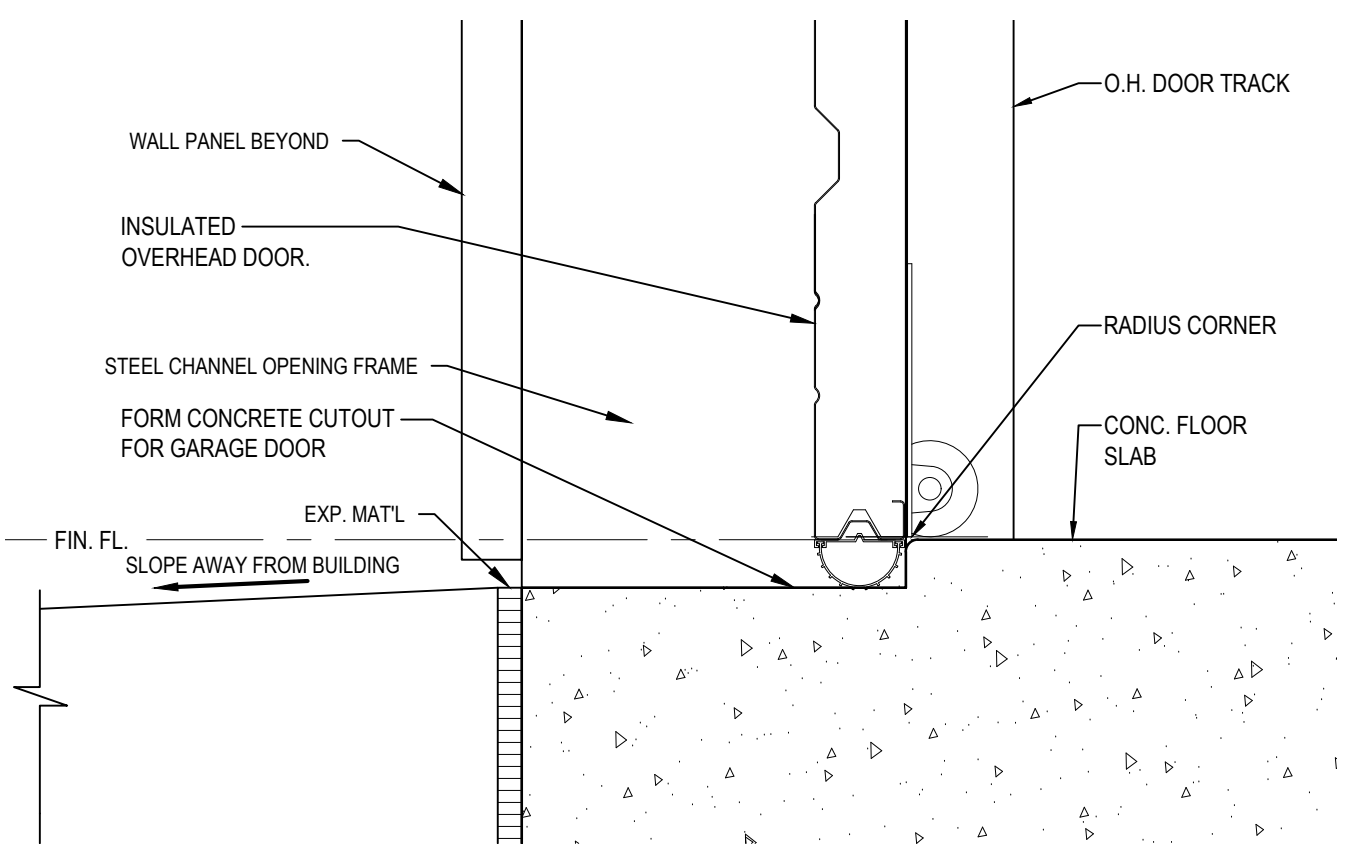
DOOR SCHEDULE													
DOOR NUMBER	WIDTH	HEIGHT	THICKNESS	DOOR TYPE	DOOR MATERIAL	GLAZING TYPE	FRAME TYPE	FRAME MATERIAL	HEAD	JAMB	SILL	HDWR	REMARKS
100A	12'-0"	14'-0"	---	C	INSUL STEEL	---	---	STEEL	H-1	J-1	S-1	---	PROVIDE OVERHEAD DOOR OPERATOR MOTOR
100B	12'-0"	14'-0"	---	C	INSUL STEEL	---	---	STEEL	H-1	J-1	S-1	---	PROVIDE OVERHEAD DOOR OPERATOR MOTOR
100C	3'-0"	7'-0"	1.34"	A	INSUL HM	---	F1	HM	H-2	J-2	S-2	01A	EXTERIOR DOOR, ENTRY LOCKSET, CARD READER
101A	3'-0"	7'-0"	1.34"	A	INSUL HM	---	F1	HM	H-2	J-2	S-3	01A	OFFICE LOCKSET
101B	3'-0"	7'-0"	1.34"	B	HM	---	F1	HM	H-3	J-3	---	02	OFFICE LOCKSET
102	3'-0"	7'-0"	1.34"	B	HM	---	F1	HM	H-3	J-3	---	02	OFFICE LOCKSET
103	(2) 3'-0"	7'-0"	1.34"	A	HM	---	F2	HM	H-3	J-3	---	03	CARD READER, 1/2" UNDERCUT AT DOOR SILL
104	3'-0"	7'-0"	1.34"	A	HM	---	F1	HM	H-3	J-3	---	02	OFFICE LOCKSET
104A	3'-0"	7'-0"	1.34"	A	HM	---	F1	HM	H-3	J-3	---	04	STOREROOM LOCKSET
105	3'-0"	7'-0"	1.34"	A	HM	---	F1	HM	H-3	J-3	---	04	STOREROOM LOCKSET
105A	3'-0"	7'-0"	1.34"	A	HM	---	F1	HM	H-3	J-3	---	04	STOREROOM LOCKSET
106	3'-0"	7'-0"	1.34"	A	HM	---	F1	HM	H-3	J-3	---	05	PRIVACY LOCKSET
107	3'-0"	7'-0"	1.34"	A	INSUL HM	---	F1	HM	H-2	J-2	S-3	01	EXTERIOR DOOR, STOREROOM LOCKSET
108	(2) 3'-0"	7'-0"	1.34"	A	HM	---	F2	HM	H-3	J-3	---	06	EXTERIOR DOOR



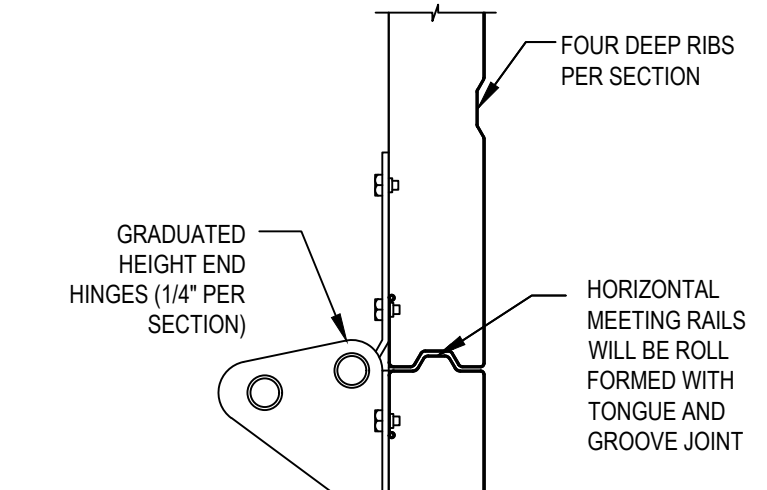
H-1 HEAD DETAIL AT OVERHEAD DOOR
A-601 SCALE: 3" = 1'-0"



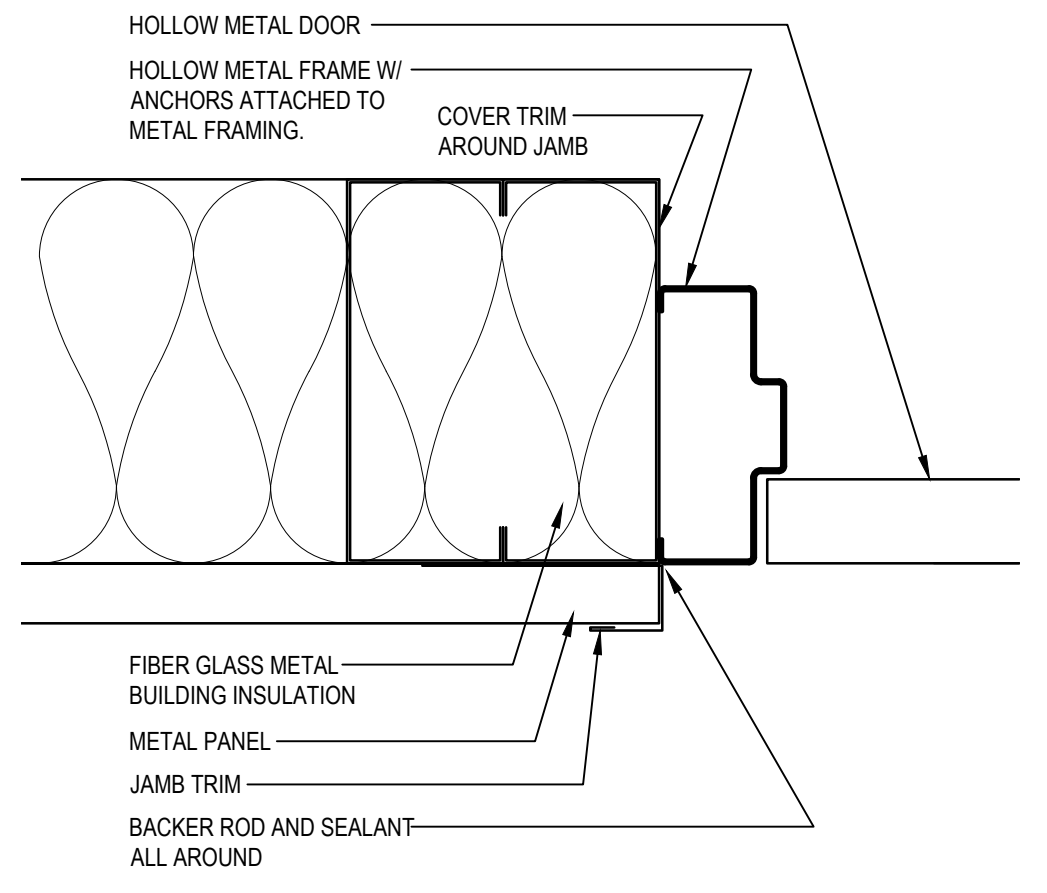
J-1 SECTIONAL OVERHEAD DOOR JAMB DETAIL
A-601 SCALE: 3" = 1'-0"



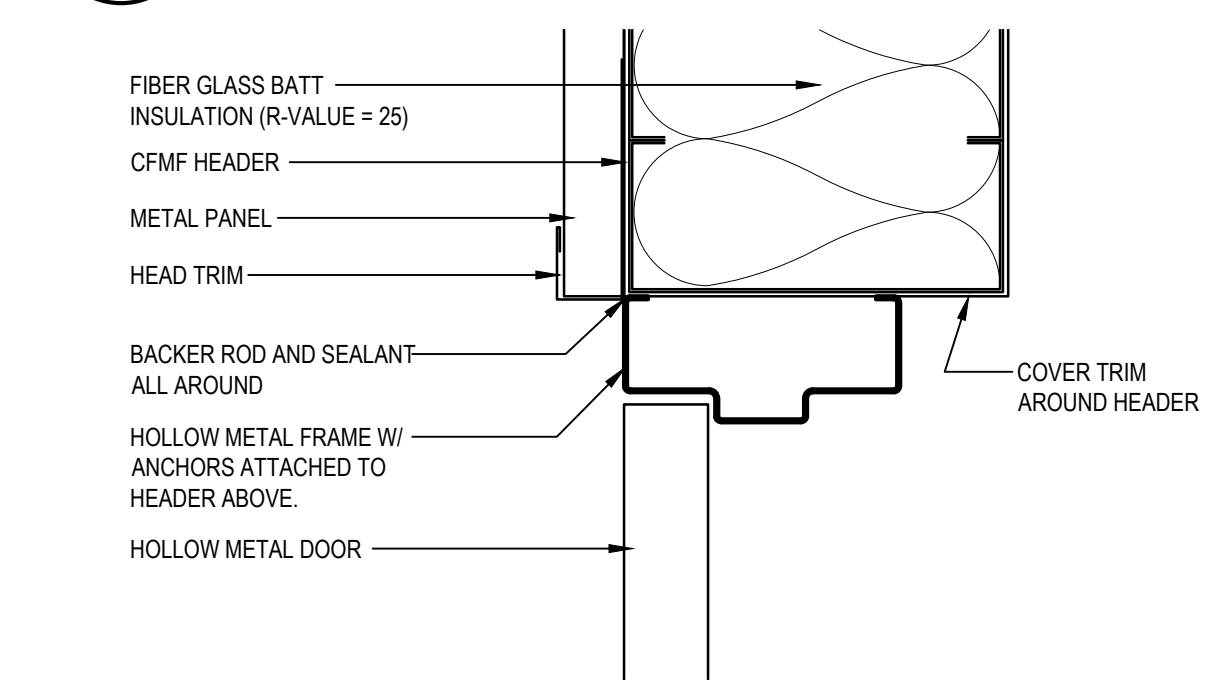
S-1 SILL DETAIL AT OVERHEAD DOOR
A-601 SCALE: 3" = 1'-0"



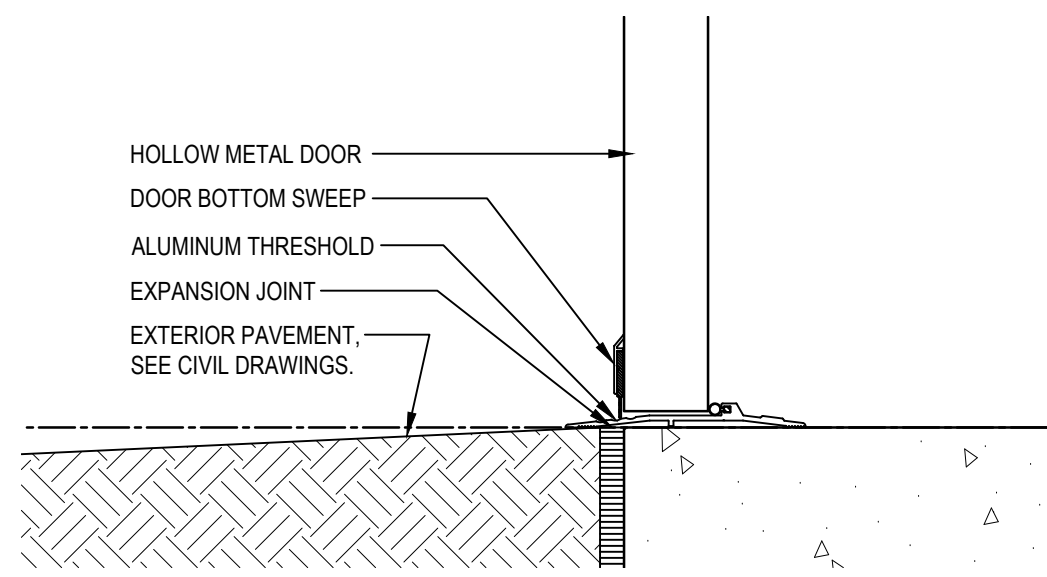
2 DETAIL "A - A"
A-601 SCALE: 1/4" = 1'-0"



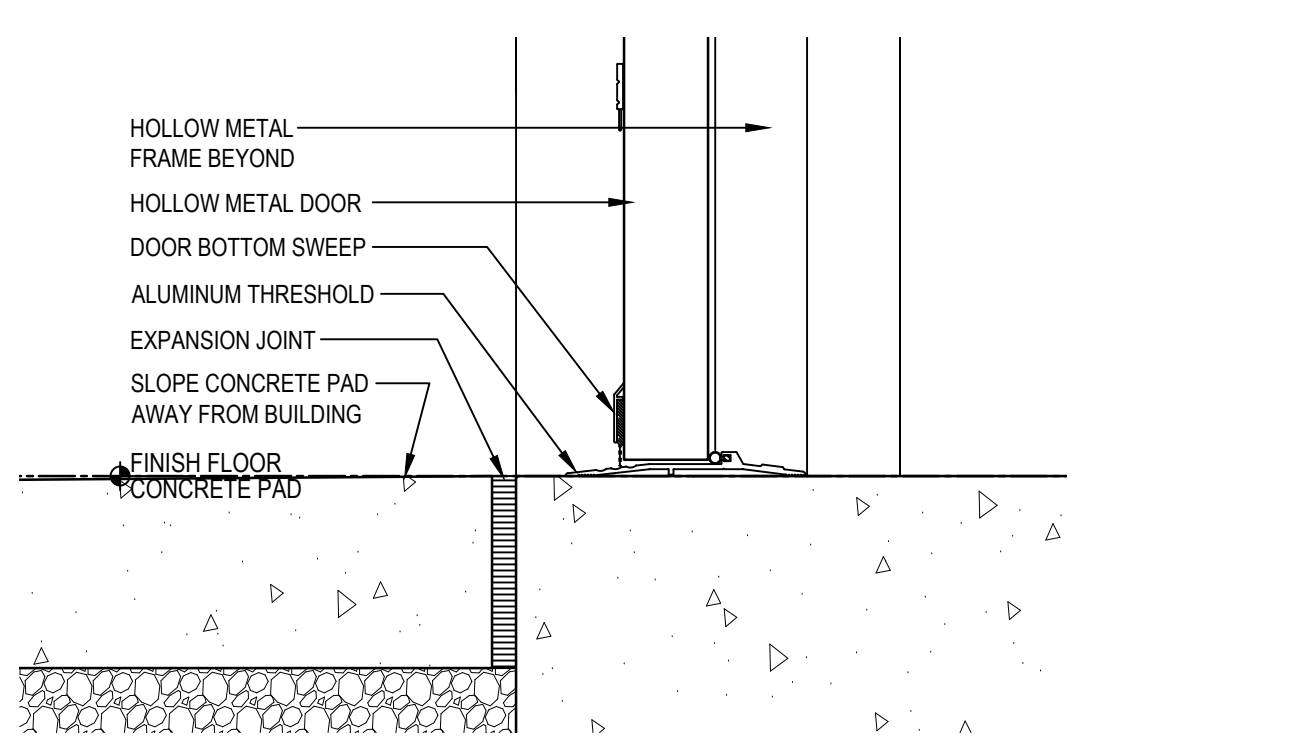
J-2 JAMB DETAIL AT EXT. DOOR
A-601 SCALE: 3" = 1'-0"



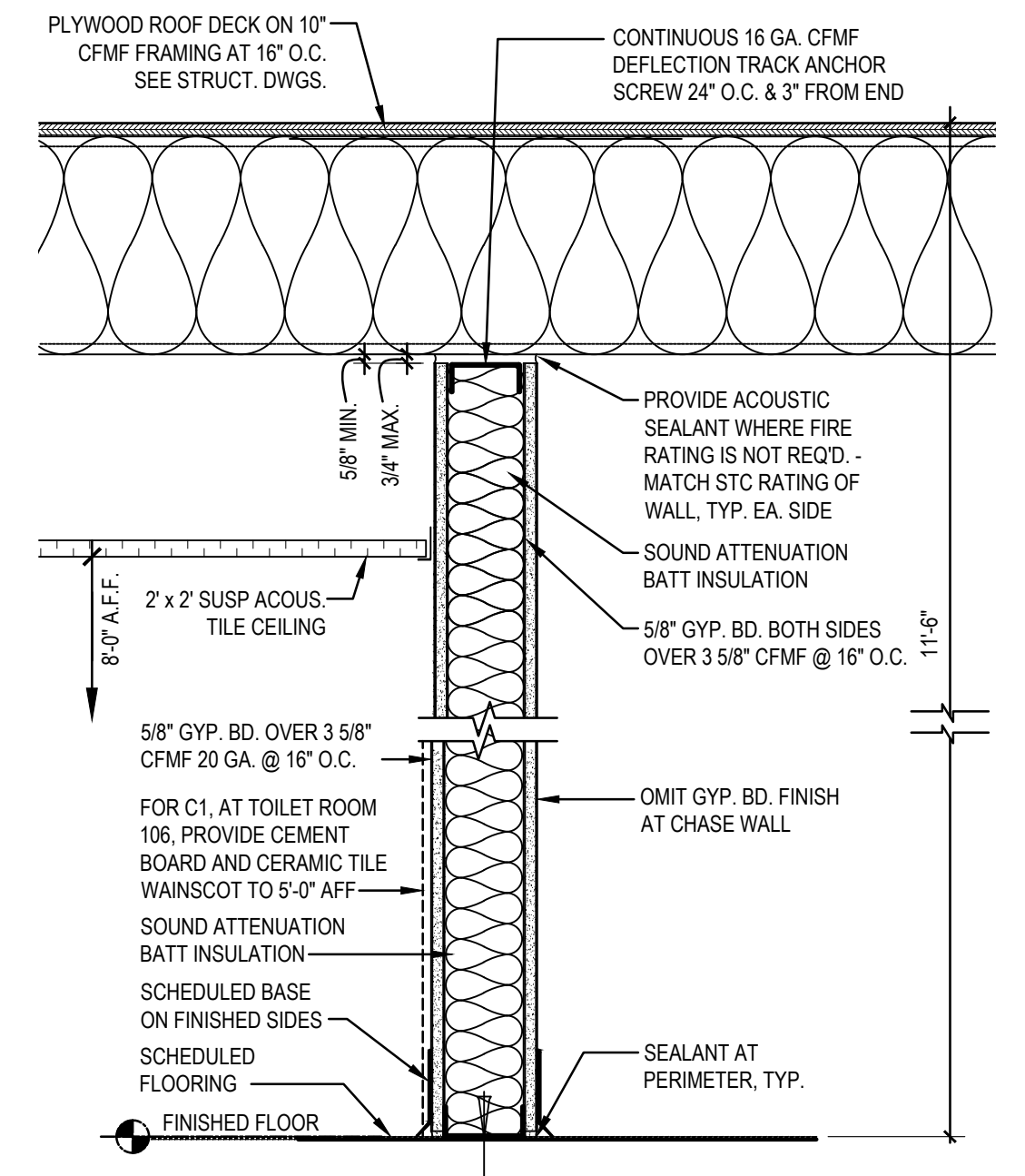
H-2 HEAD DETAIL AT EXT. DOOR
A-601 SCALE: 3" = 1'-0"



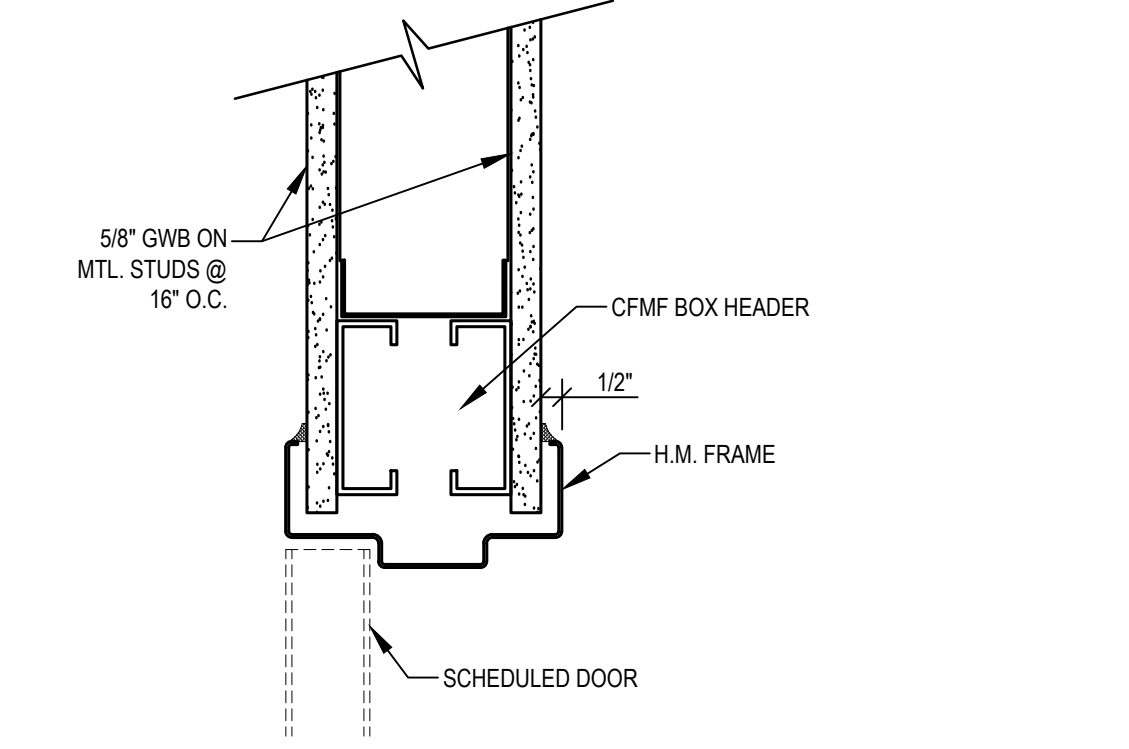
S-2 SILL DETAIL AT EXT. DOOR
A-601 SCALE: 3" = 1'-0"



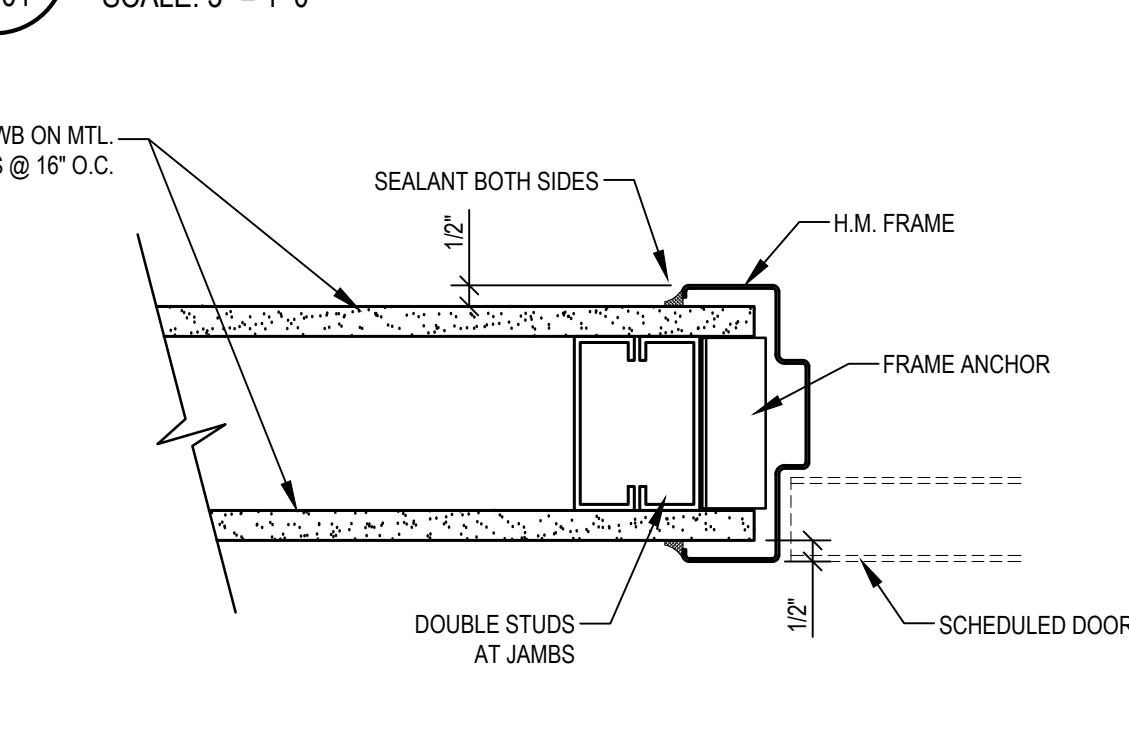
S-3 SILL DETAIL AT EXT. DOOR CONC. PAD
A-601 SCALE: 3" = 1'-0"



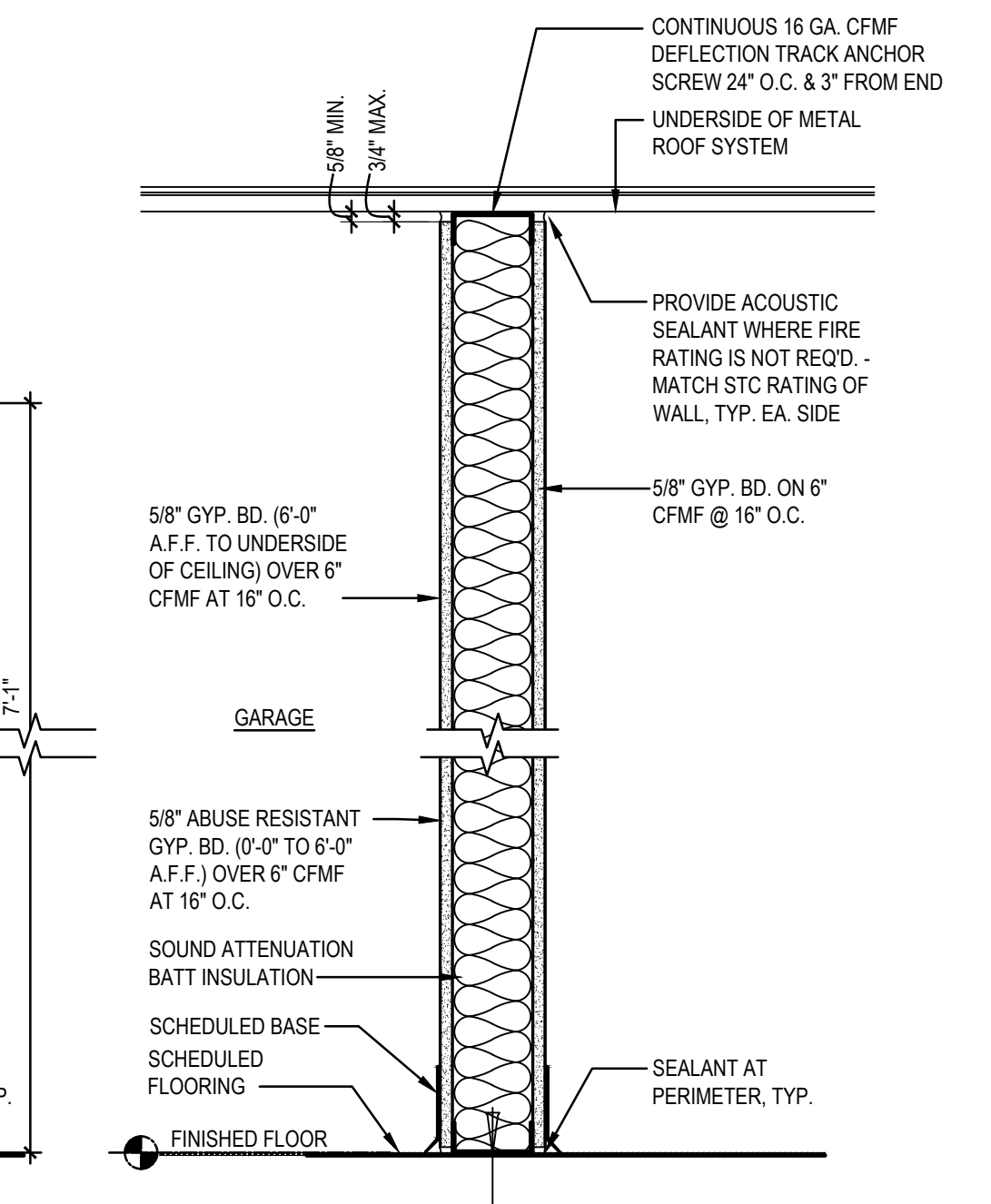
C WALL TYPE
SCALE: 1 1/2" = 1'-0"



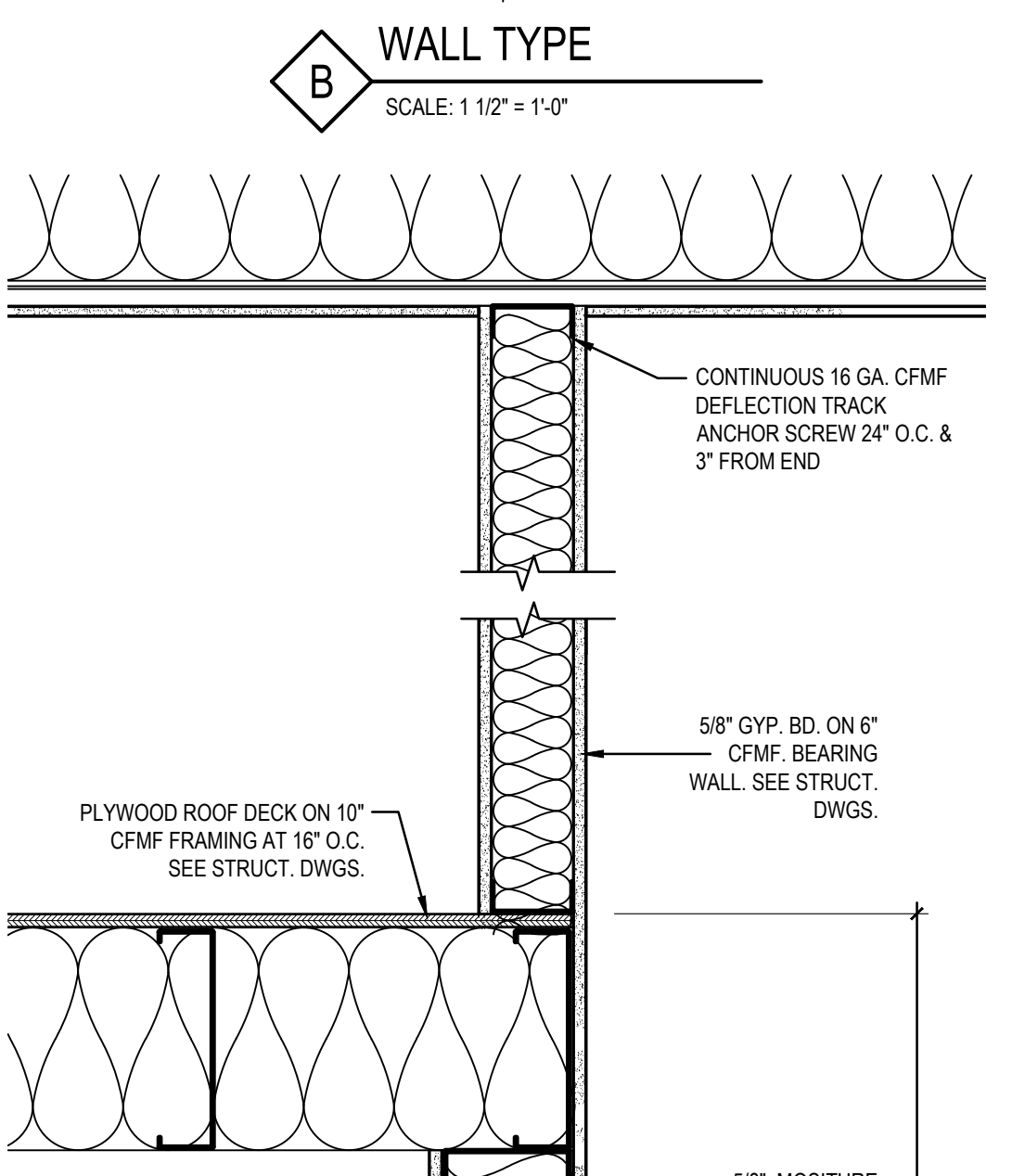
H-3 HEAD DETAIL AT INTERIOR DOOR
A-601 SCALE: 3" = 1'-0"



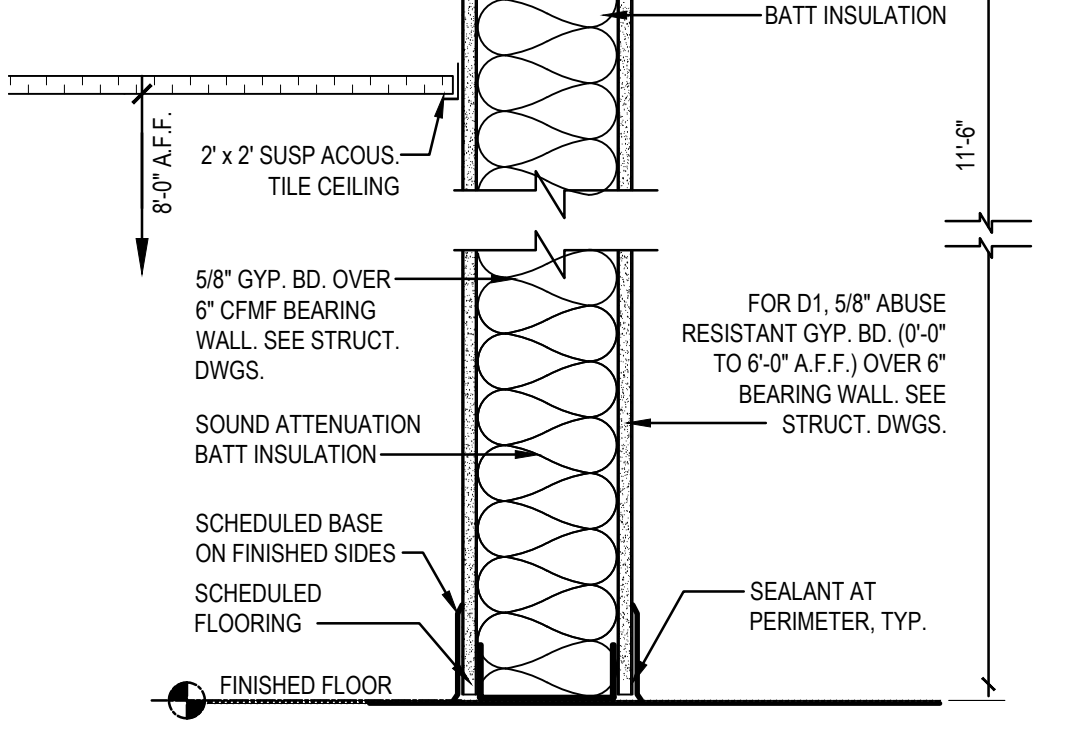
J-3 JAMB DETAIL AT INTERIOR DOOR
A-601 SCALE: 3" = 1'-0"



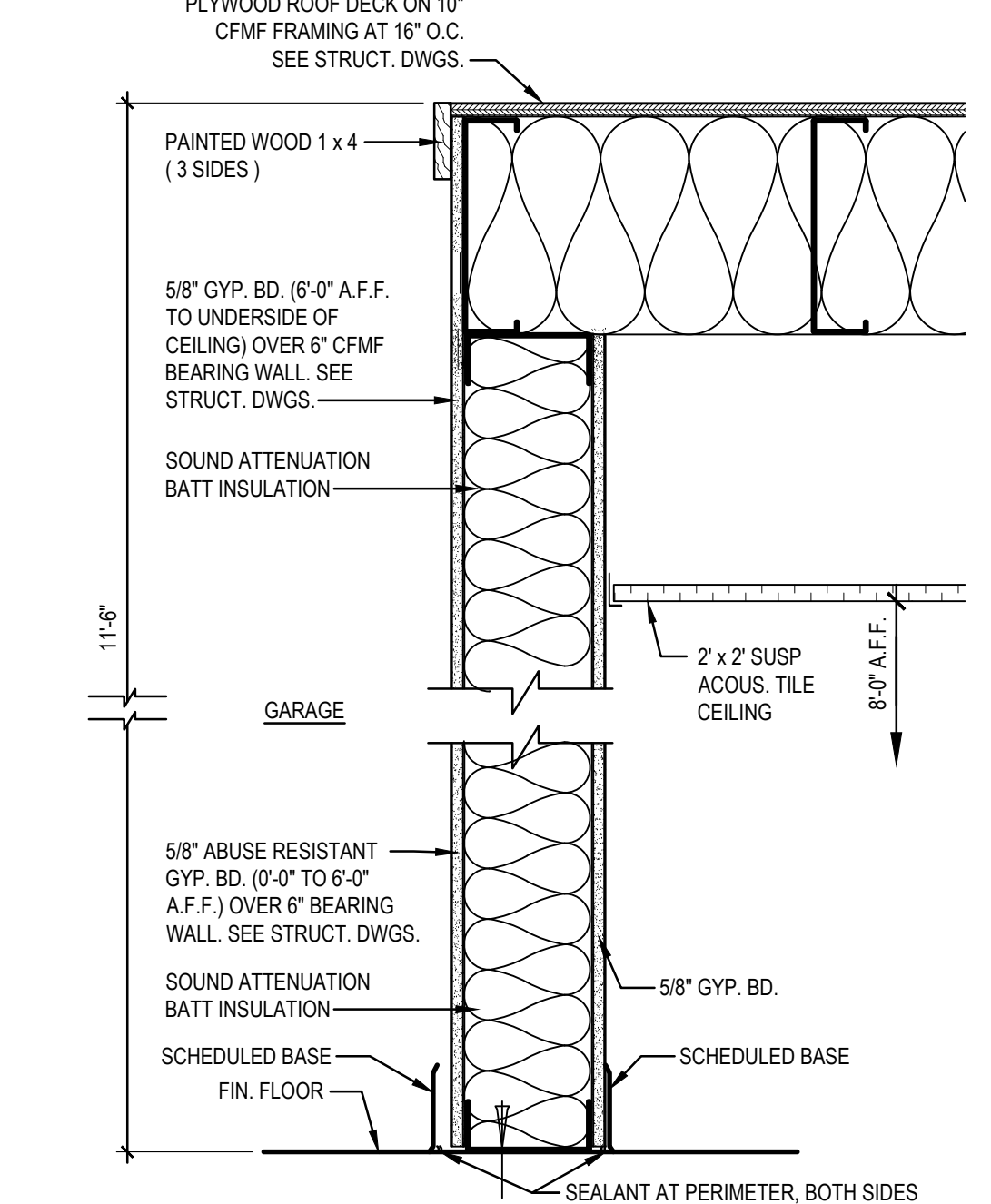
A WALL TYPE
SCALE: 1 1/2" = 1'-0"



B WALL TYPE
SCALE: 1 1/2" = 1'-0"



D WALL TYPE
SCALE: 1 1/2" = 1'-0"



E WALL TYPE
SCALE: 1 1/2" = 1'-0"

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STATE OF DELAWARE
OMB / DIVISION OF FACILITIES MANAGEMENT
OMB / DFM # MJ1002000070A
EVIDENCE PROCESSING BUILDING
AT THE
SUSSEX COUNTY FIRE MARSHAL
OFFICE OF THE STATE FIRE MARSHAL - 22705 PARK AVE
GEORGETOWN, DE 19847

REVISIONS		
MARK	DESCRIPTION	DATE

SHEET TITLE

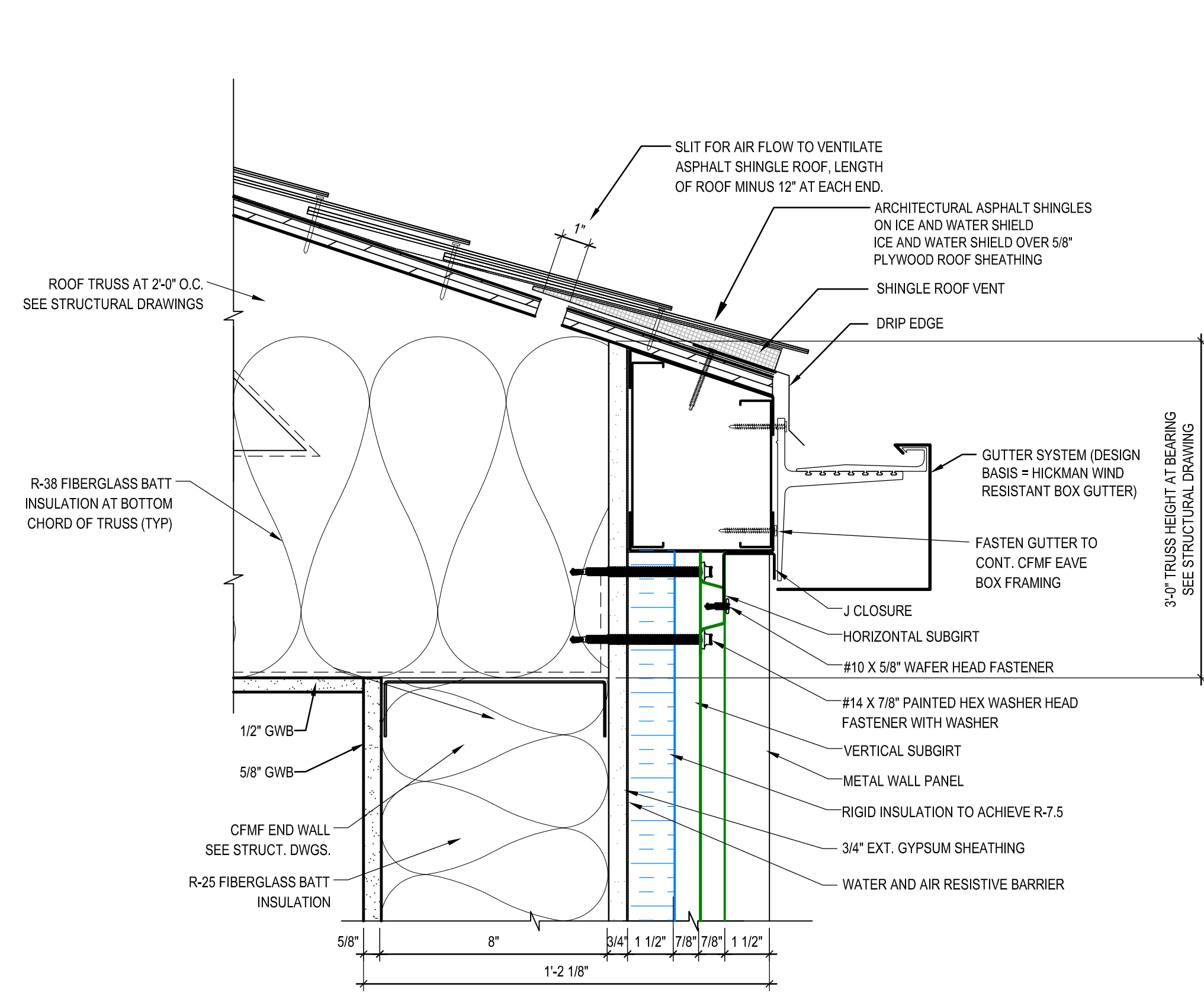
DOOR SCHEDULE, WALL TYPES, AND DETAILS

BID DOCUMENTS
MARCH 18, 2024

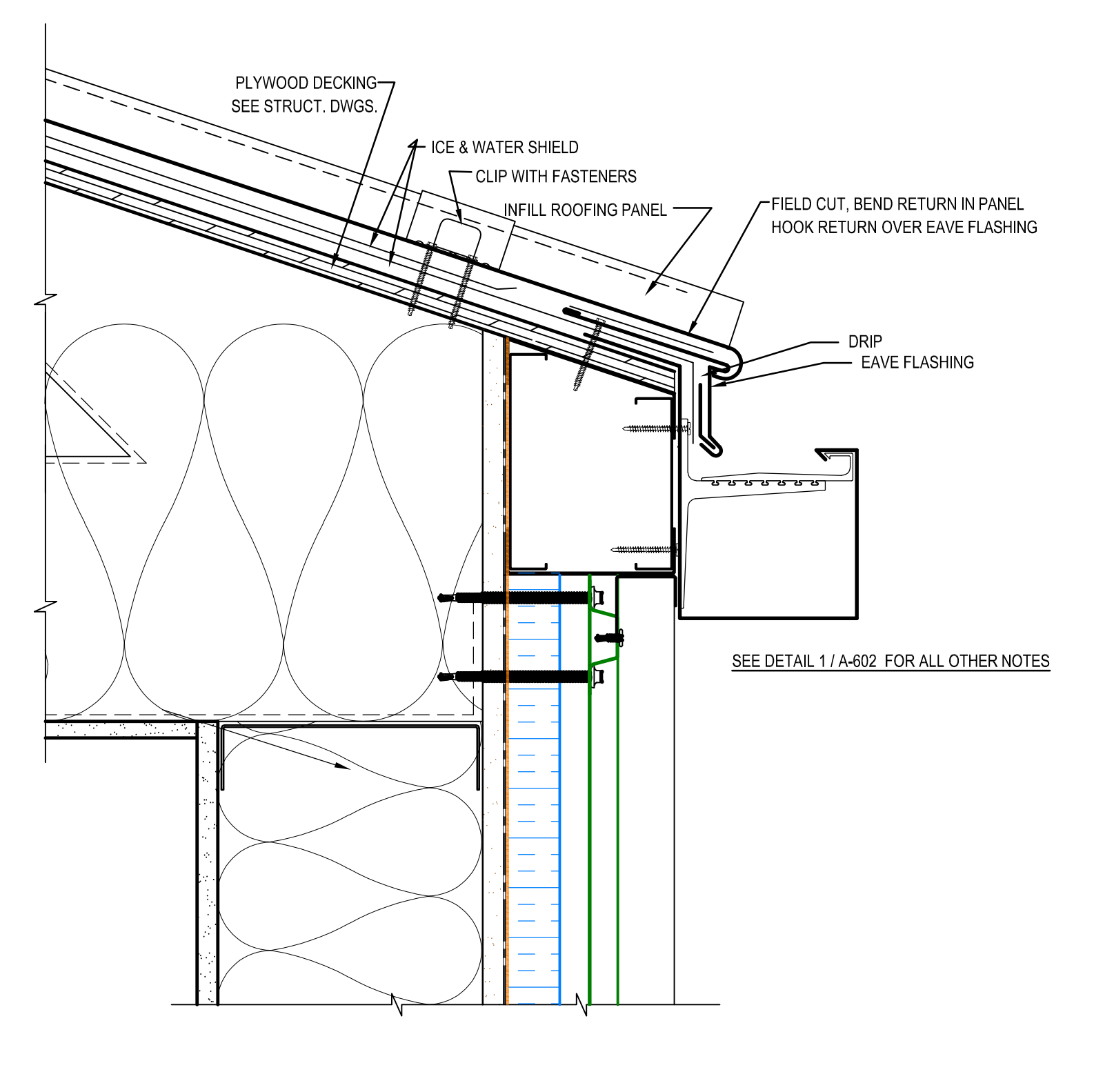
DRAWN: GC CHKD: PG PROJECT NO: 23020

SHEET NO. **A-601**

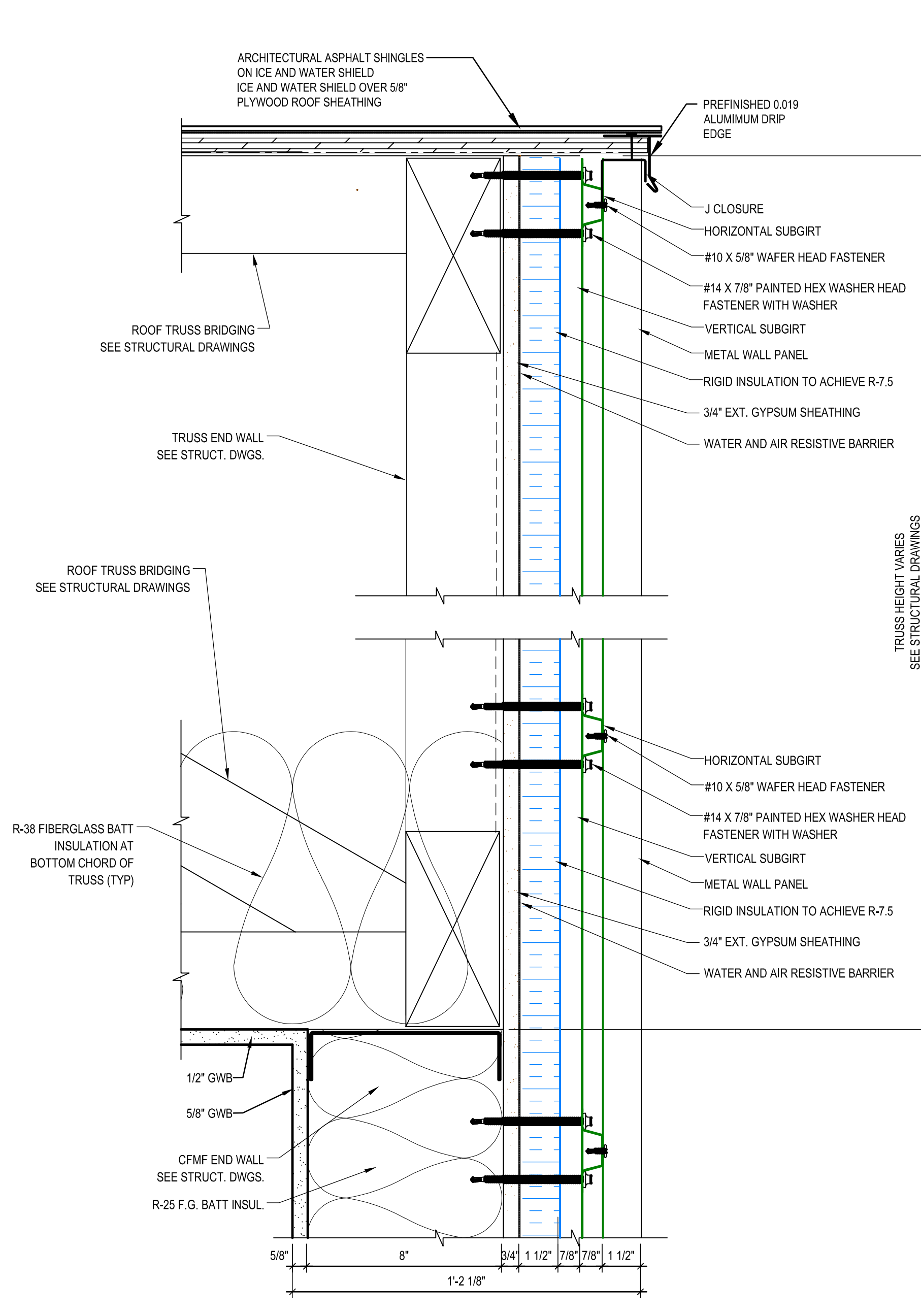
3/19/2024 10:13 AM



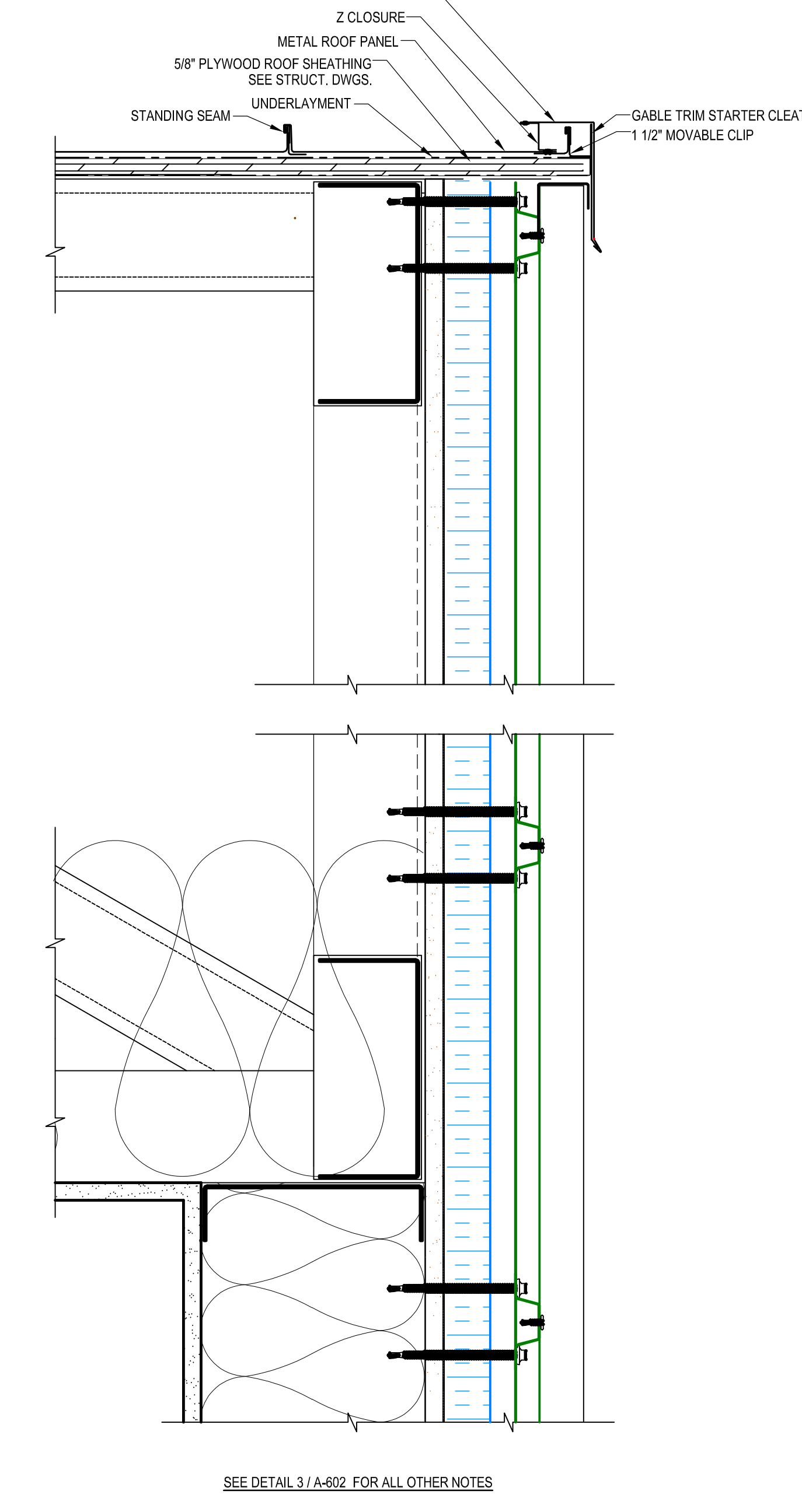
1 TYP. ROOF EAVE / GUTTER DETAIL - BASE BID
A-602 SCALE: 3" = 1'-0"



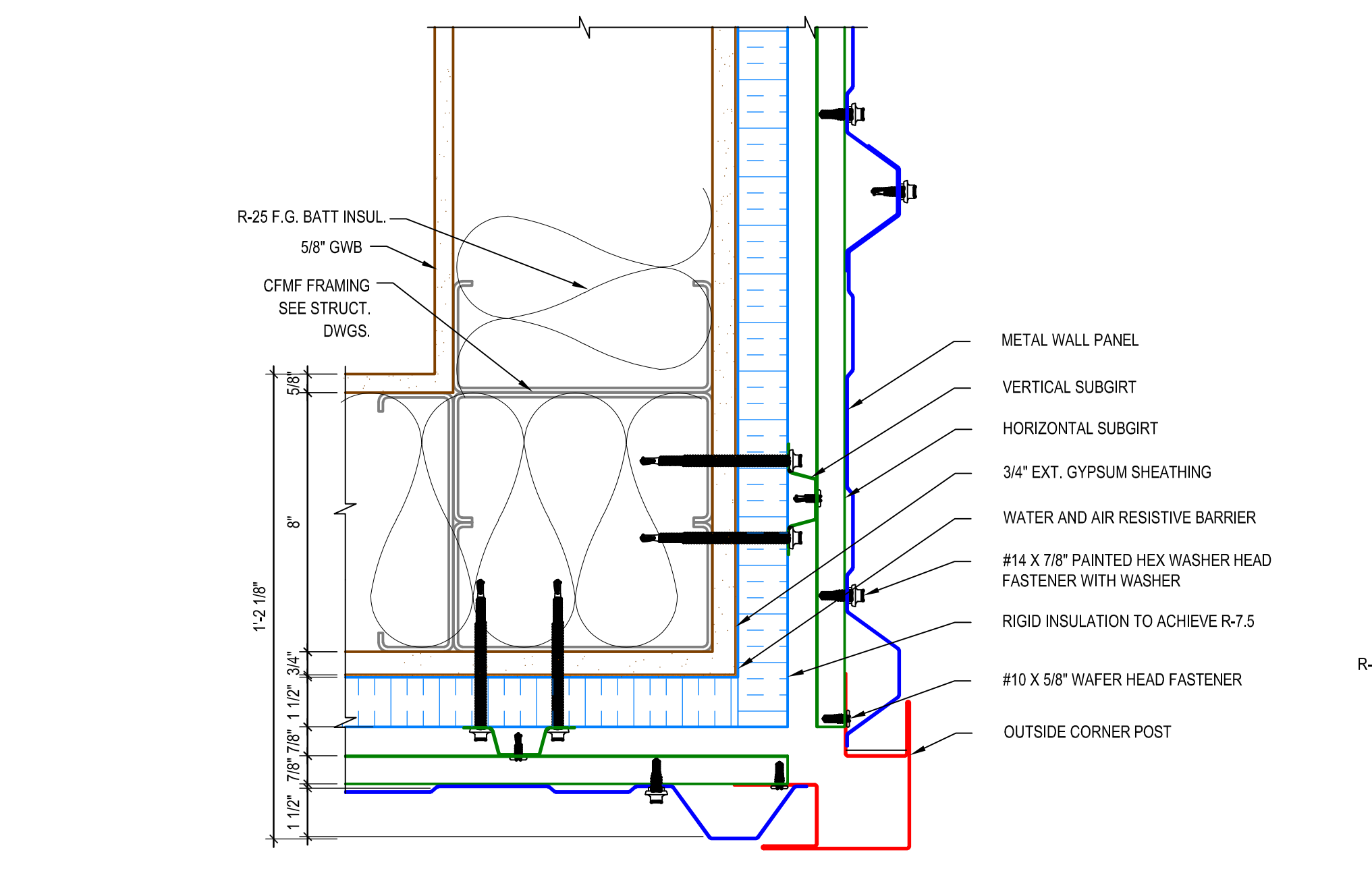
1A TYP. ROOF EAVE / GUTTER DETAIL - ALTERNATE #2
A-602 SCALE: 3" = 1'-0"



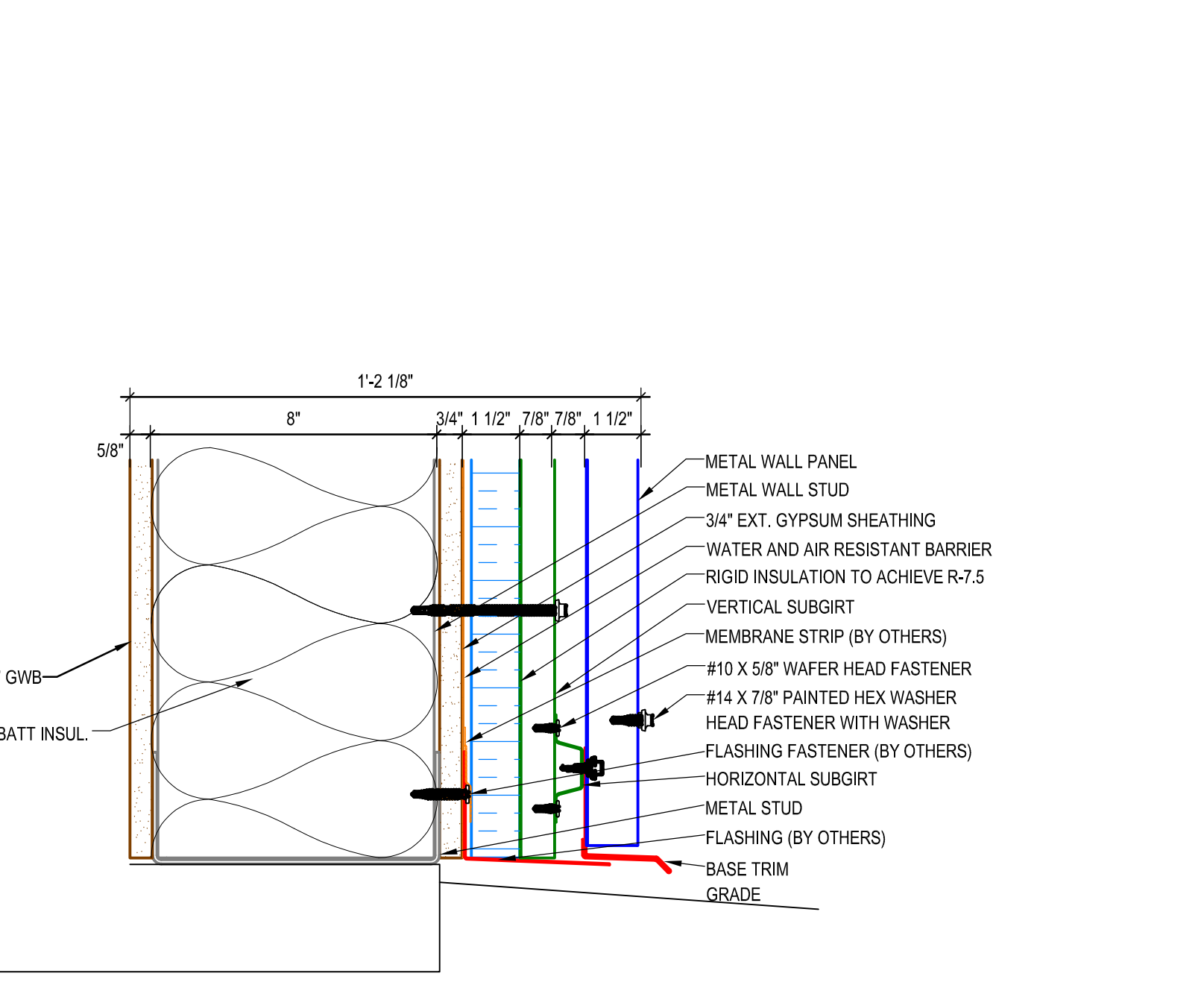
4 TYP. ROOF RAKE DETAIL - BASE BID
A-602 SCALE: 3" = 1'-0"



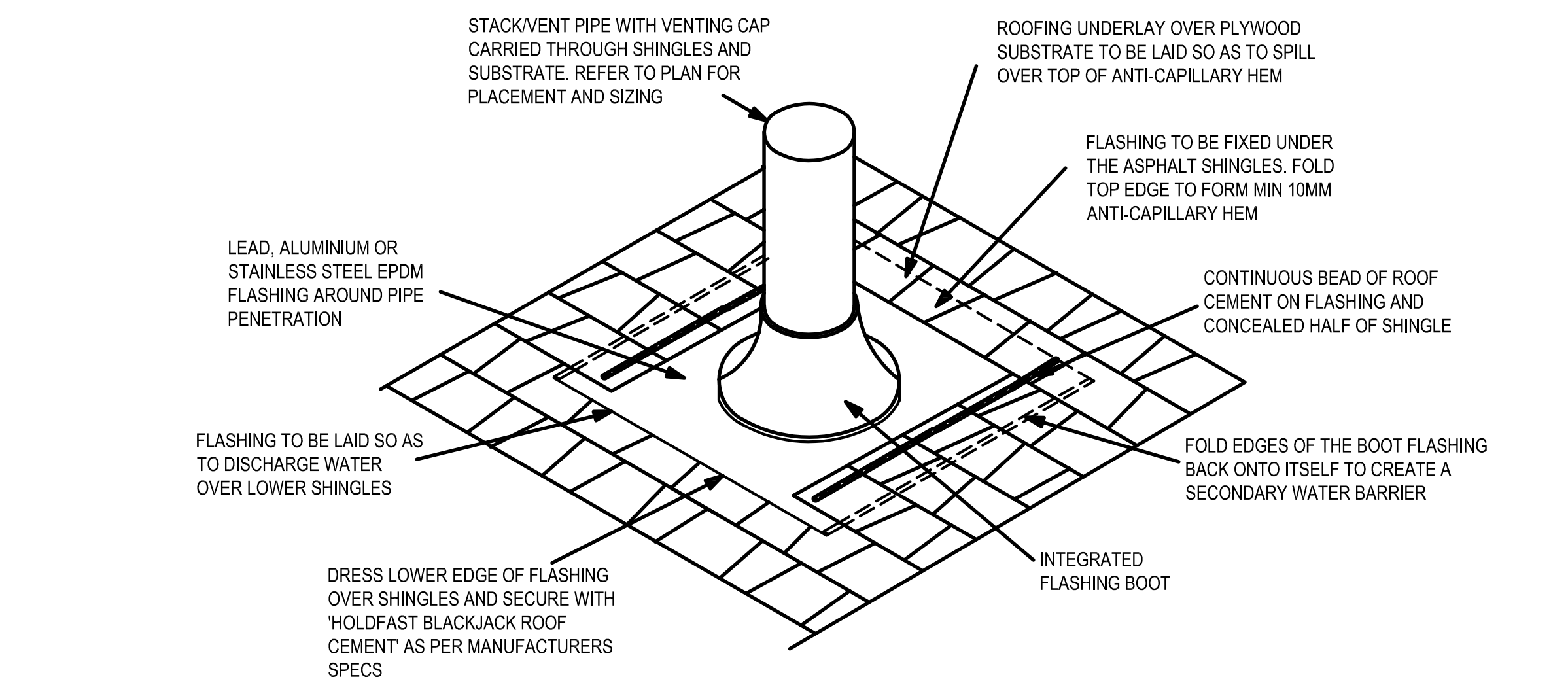
4A TYP. ROOF RAKE DETAIL - ALTERNATE #2
A-602 SCALE: 3" = 1'-0"



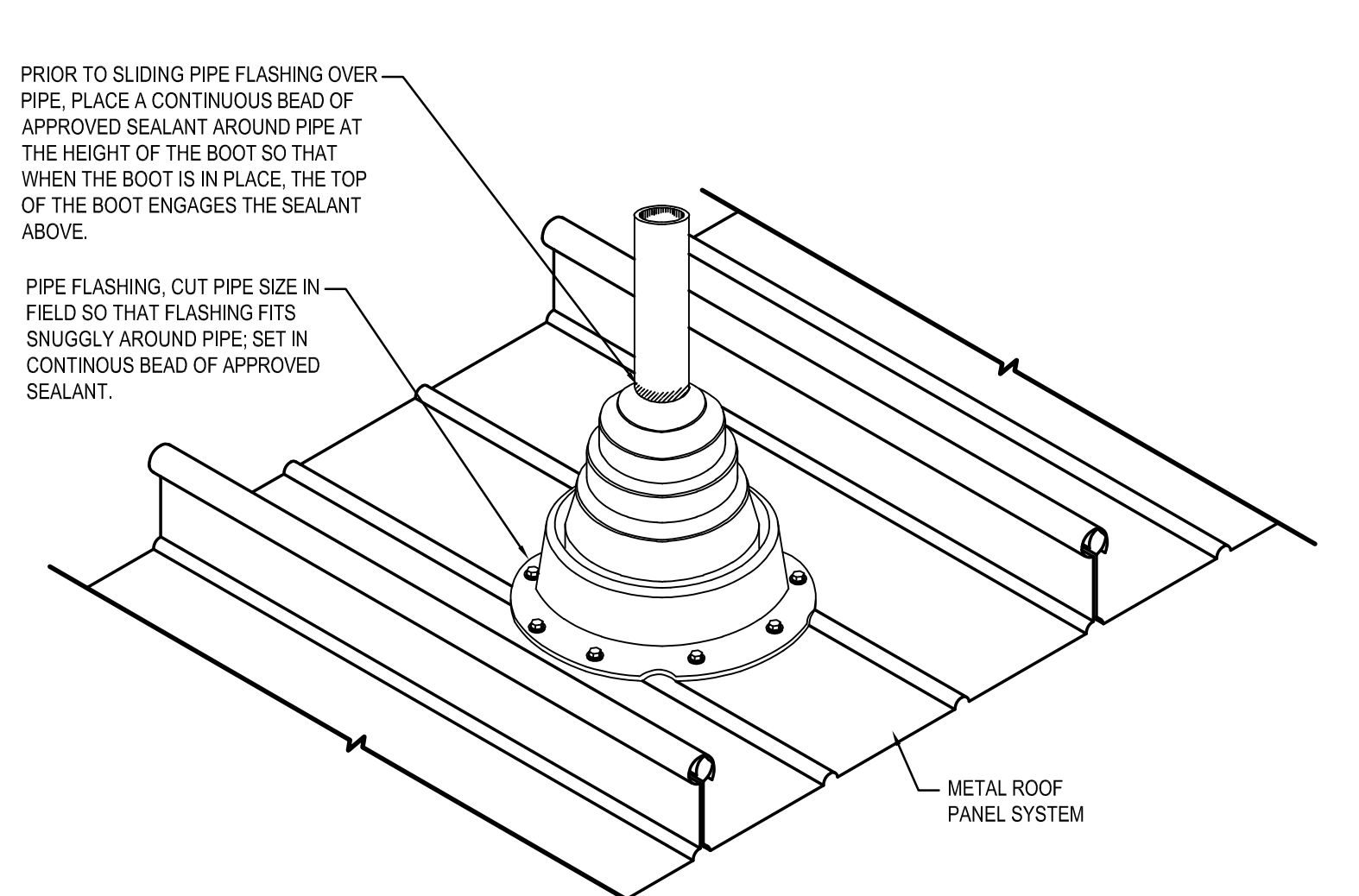
2 TYP. OUTSIDE CORNER DETAIL
A-602 SCALE: 3" = 1'-0"



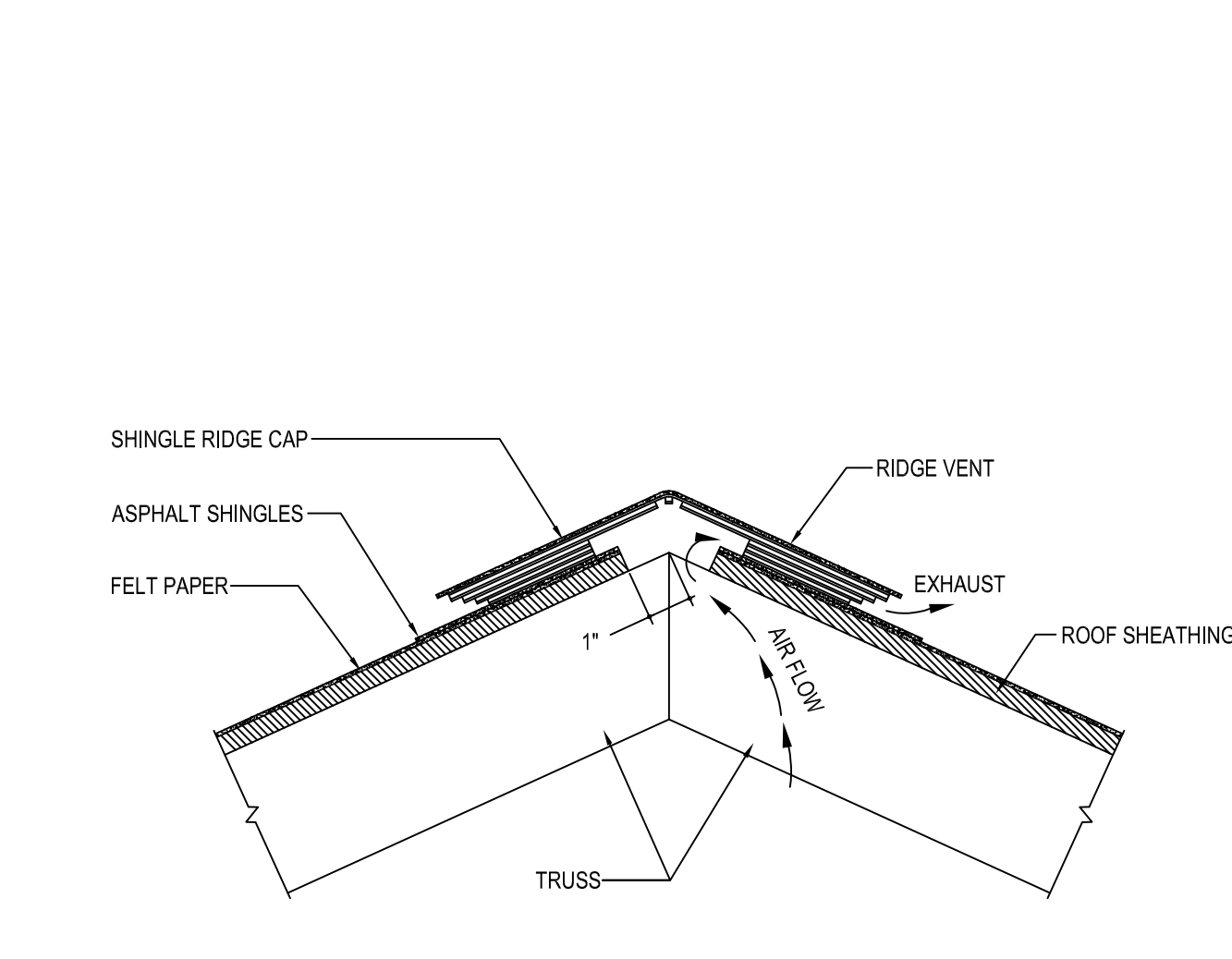
3 TYP. BASE DETAIL
A-602 SCALE: 3" = 1'-0"



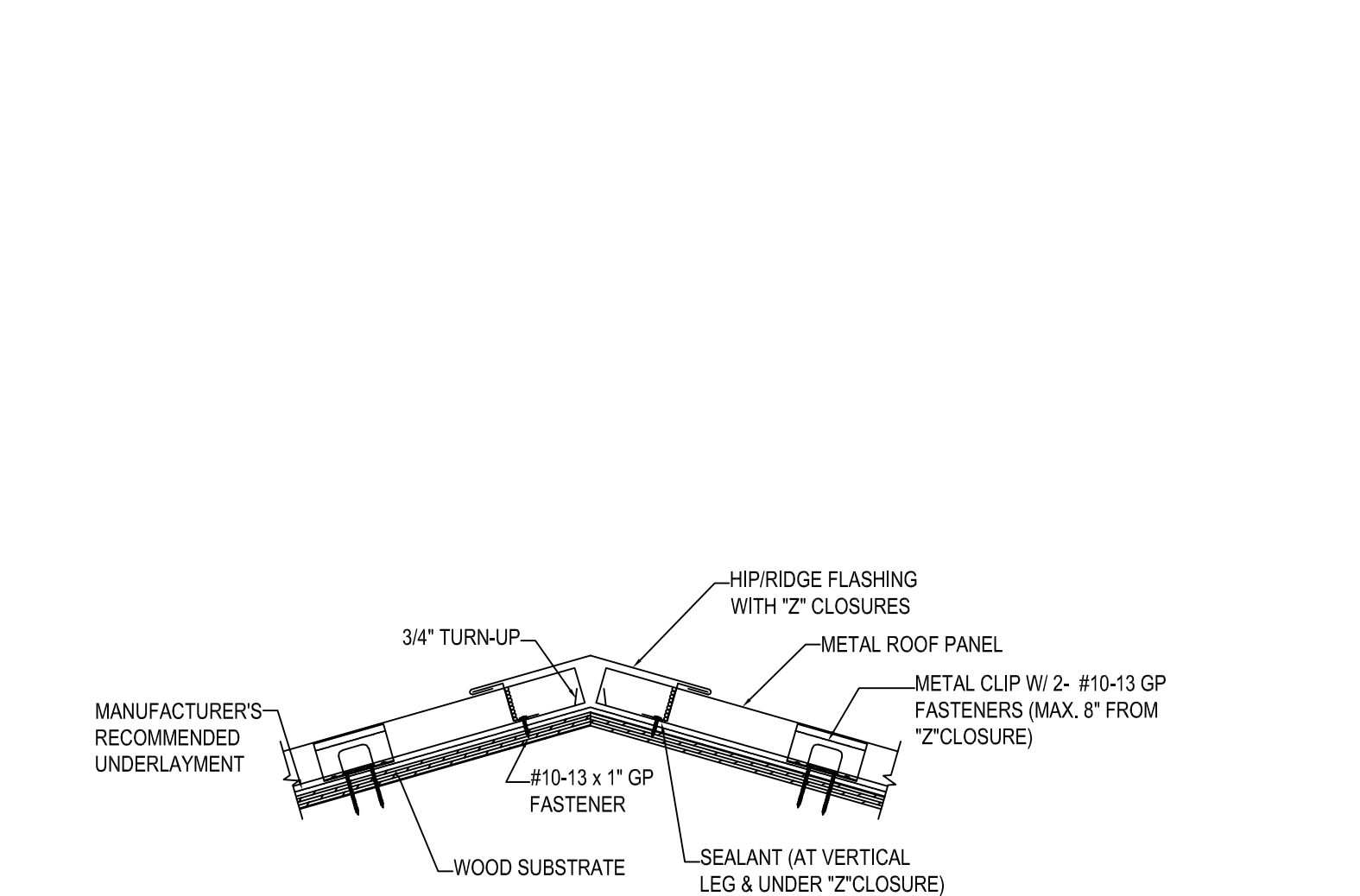
5 TYP. ASPHALT ROOF PIPE PENETRATION DETAIL
A-602 SCALE: NTS



6 TYP. METAL ROOF PANEL PENETRATION DETAIL
A-602 SCALE: NTS



7 RIDGE DETAIL
A-602 SCALE: NTS



8 RIDGE DETAIL - ALTERNATE #2
A-602 SCALE: NTS

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PROJECT: STATE OF DELAWARE
OMBI / DIVISION OF FACILITIES MANAGEMENT
OMBI / DFM # M/J1002000070A
EVIDENCE PROCESSING BUILDING
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SUSSEX COUNTY FIRE MARSHAL - 22705 PARK AVE
GEORGETOWN, DE 19847

REVISIONS

MARK	DESCRIPTION	DATE

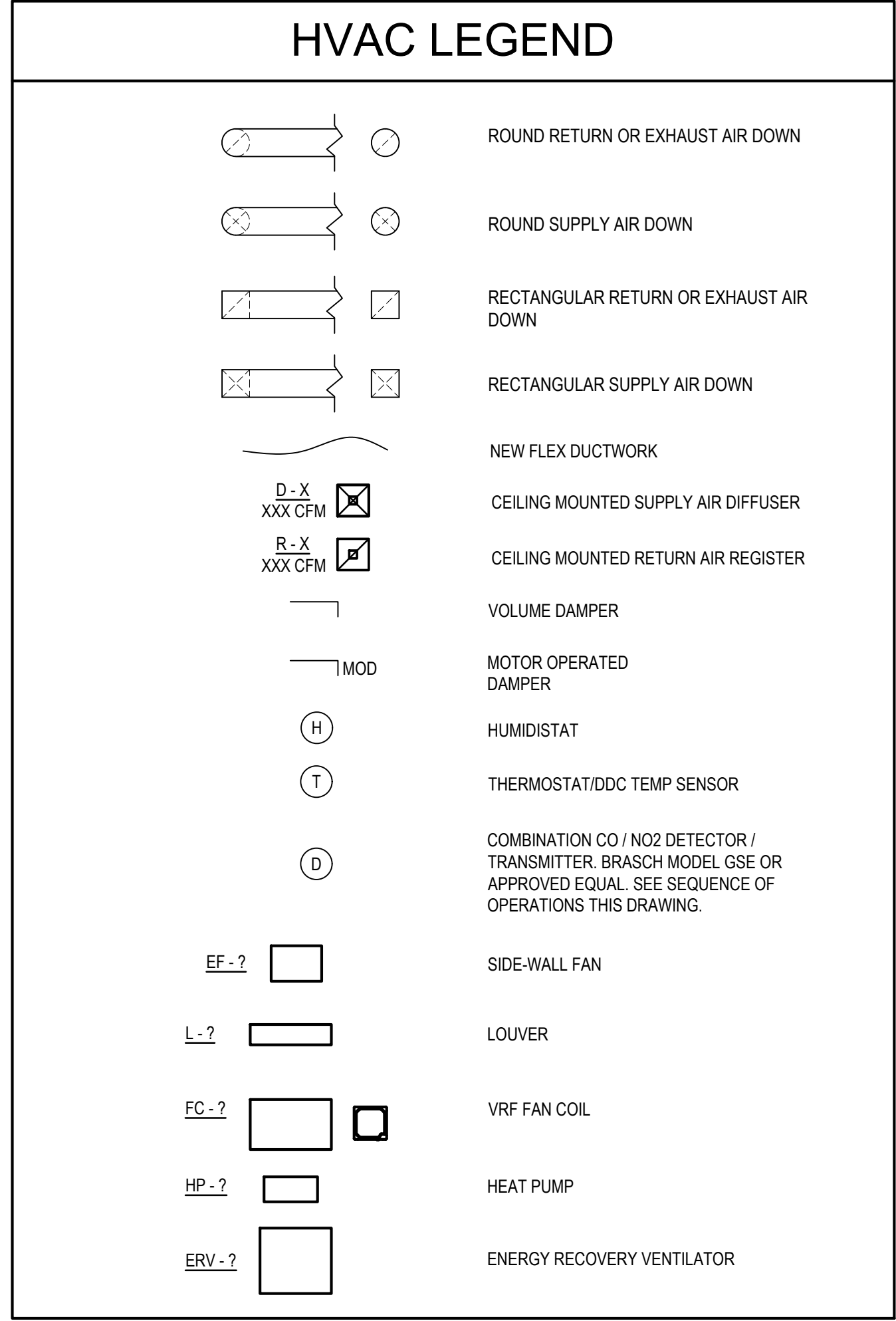
ENLARGED DETAILS

BID DOCUMENTS
MARCH 18, 2024

DRAWN AM	CHKD GC	PROJECT NO. 23020
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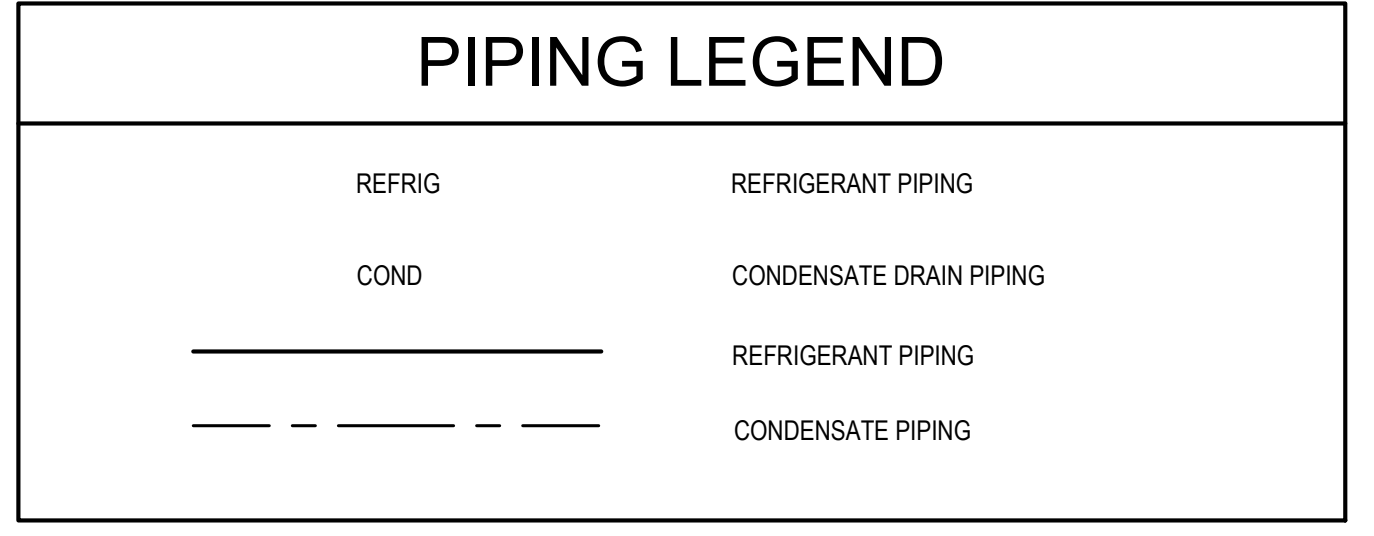
SHEET NO. A-602

THE RECEIVER OF THESE PLANS SHALL BE RESPONSIBLE FOR VERIFYING THE ACCURACY OF THE DATA AND INFORMATION ON THESE PLANS. THE RECEIVER WARRANTS THAT IT WILL NOT REPRODUCE OR OTHERWISE MAKE USE OF THE DATA OR INFORMATION ON THESE PLANS FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS PROVIDED. THE RECEIVER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE RECEIVER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES. THE RECEIVER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.



GENERAL HVAC & PIPING NOTES

- ALL MOTORS FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR (OR A MECHANICAL SUBCONTRACTOR) SHALL BE PROTECTED AGAINST OVERLOAD IN ACCORDANCE WITH N.E.C. ARTICLE 430, SECTION C.
- ALL THERMOSTATS SHOWN ON HVAC PLANS ARE TO BE MOUNTED 4'-0" MAXIMUM AFF (TOP OF UNIT), UNLESS NOTED OTHERWISE. CONTRACTOR IS RESPONSIBLE FOR MOUNTING & WIRING ALL THERMOSTATS. PLENUM RATED CABLES MUST BE USED.
- INSTALL ALL EQUIPMENT AND MATERIALS PER MANUFACTURER'S WRITTEN INSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ADDITIONAL COSTS INCURRED AS A RESULT OF SUBSTITUTIONS OR DEVIATIONS FROM THE BASIS OF DESIGN SHOWN ON THESE DRAWINGS.
- INSULATE ALL PIPING AND DUCTWORK AS SPECIFIED.
- UNLESS OTHERWISE SHOWN OR SPECIFIED, ALL CONDENSATE DRAINS FROM ALL HVAC UNITS SHALL BE TRAPPED AND PIPED THROUGH THE BUILDING AND DRAINED THROUGH THE EXTERIOR WALL OF THE BUILDING AT A HEIGHT NOT TO EXCEED 18" ABOVE GRADE. PIPE SIZES SHALL MATCH SIZE OF DRAIN CONNECTION AT A MINIMUM. UNLESS OTHERWISE SHOWN OR STATED, CONDENSATE PIPING SHALL NOT BE EXPOSED.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL NEW PIPING AND DUCTWORK PENETRATIONS IN WALLS AND FLOORS. THE PIPING PLANS DO NOT SPECIFICALLY NOTE WHERE PIPING AND DUCTWORK PENETRATES WALLS AND FLOORS. IT IS THE CONTRACTOR'S RESPONSIBILITY PRIOR TO BID TO STUDY THE PLANS TO ACCOUNT FOR ALL PIPING AND DUCTWORK PENETRATIONS OF THE STRUCTURE.
- THE CONTRACTOR SHALL PROVIDE NEW SUPPORTS OF COMPATIBLE MATERIAL FOR ALL NEW PIPING.
- PROVIDE SPLASH BLOCKS FOR ALL CONDENSATE DRAINS.
- FOR CONDENSATE DRAIN PIPING RUNS LONGER THAN 50 FEET, PROVIDE A REMOVABLE PLUG AT A CHANGE OF DIRECTION EVERY 50 FT.



CARBON MONOXIDE AND NITROGEN DIOXIDE GAS DETECTORS:

SEQUENCE OF OPERATIONS:

NORMAL OPERATION: IF THE MONITORED GAS CONCENTRATION LEVEL IS BELOW THE FIELD ADJUSTABLE LOW ALERT SETTING, THE DETECTOR WILL BE IN THE NORMAL OPERATION MODE. IN THIS MODE THE FRONT PANEL DISPLAY WILL INDICATE THE AMBIENT GAS CONCENTRATION. THE SECOND SENSOR WILL BE CONNECTED REMOTELY AND THE DISPLAY WILL ALTERNATE BETWEEN THEIR READINGS. THE DETECTOR OUTPUT CONTROL RELAYS WILL BE IN THE INACTIVE STATE AND ONLY THE POWER AND ACTIVE SENSOR FRONT PANEL LAMPS WILL BE ILLUMINATED.

LOW ALERT OPERATION: IF THE MONITORED GAS CONCENTRATION LEVEL FOR A SENSOR REACHES A FIELD-CALIBRATED LOW ALERT SETTING, THE DETECTOR WILL FLASH THE LOW ALERT INDICATOR LAMP AND ACTIVATE A DELAY TIMER. THE DURATION OF THE DELAY IS FIELD ADJUSTABLE FROM 0 TO 7 MINUTES. IF THE CONCENTRATION LEVEL REMAINS AT OR ABOVE THE LOW ALERT SETTING FOR THE DURATION OF THE DELAY PERIOD, THE LOW ALERT RELAY CONTACTS WILL CLOSE AND ACTIVATE EXHAUST FAN EF-2 AND OPEN THE ASSOCIATED MOTOR OPERATED DAMPER(S). ONCE THE MONITORED GAS CONCENTRATION LEVEL DROPS BELOW THE LOW ALERT SETTING, THE PANEL WILL ACTIVATE ANOTHER RELAY TIMER. IF THE CONCENTRATION LEVEL REMAINS BELOW THE LOW ALERT SETTING FOR THE DURATION OF THE DELAY PERIOD, THE PANEL WILL REVERT TO THE NORMAL OPERATION STATE.

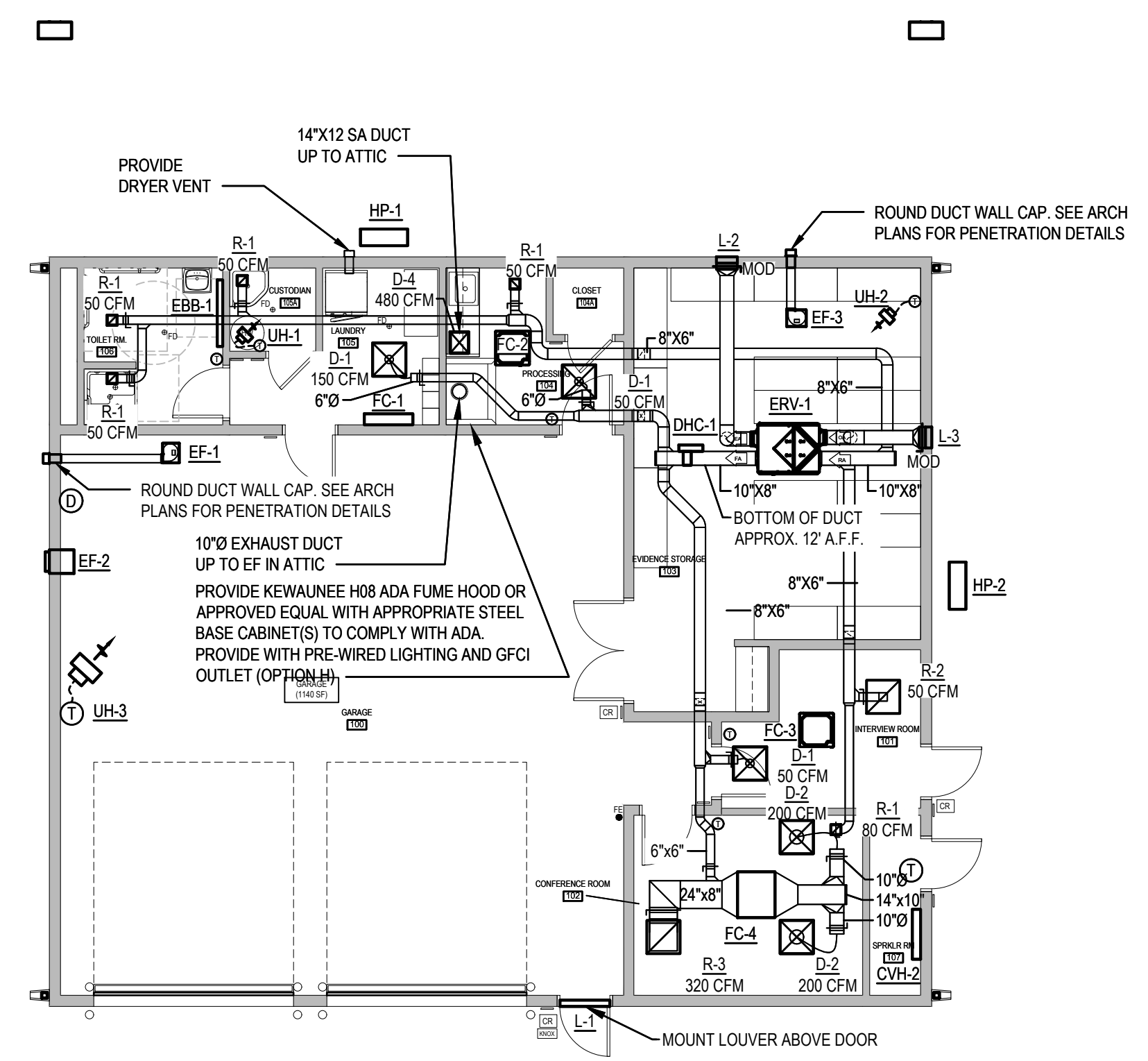
HIGH ALERT OPERATION: IF THE DETECTOR IS IN A LOW ALERT STATUS AND THE MONITORED GAS CONCENTRATION REACHES A FACTORY SET HIGH ALERT LEVEL, THE DETECTOR WILL ACTUATE ITS HIGH ALERT RELAY CONTACTS TO CONTINUE TO RUN EXHAUST FAN EF-2 AND ILLUMINATE FRONT PANEL LAMP. ONCE THE CONCENTRATION IS NO LONGER AT OR ABOVE THE HIGH ALERT SETTING, THE DETECTOR WILL RETURN TO THE LOW ALERT MODE. IF THE LOW ALERT RELAY IS ACTIVATED, HIGH ALERT OPERATION WILL BE IMMEDIATE. IF THE DETECTOR IS PROCESSING A LOW ALERT DELAY PERIOD, IT WILL ENTER HIGH ALERT OPERATION MODE UPON ITS COMPLETION.

ALARM MODE OPERATION: IF THE MONITORED GAS CONCENTRATION REMAINS AT OR ABOVE THE FACTORY SET HIGH ALERT LEVEL LONGER THAN 15 MINUTES, A SET OF ALARM RELAY CONTACTS WILL CLOSE AND AN INTERNAL BUZZER WILL SOUND. THE BUZZER WILL STAY ON AND THE CONTACTS WILL REMAIN CLOSED UNTIL THE MONITORED GAS CONCENTRATION FALLS BELOW THE FACTORY SET HIGH ALERT LEVEL. THE INTERNAL BUZZER MAY BE SILENCED BY PRESSING A FRONT PANEL MOUNTED PUSH-BUTTON SWITCH.

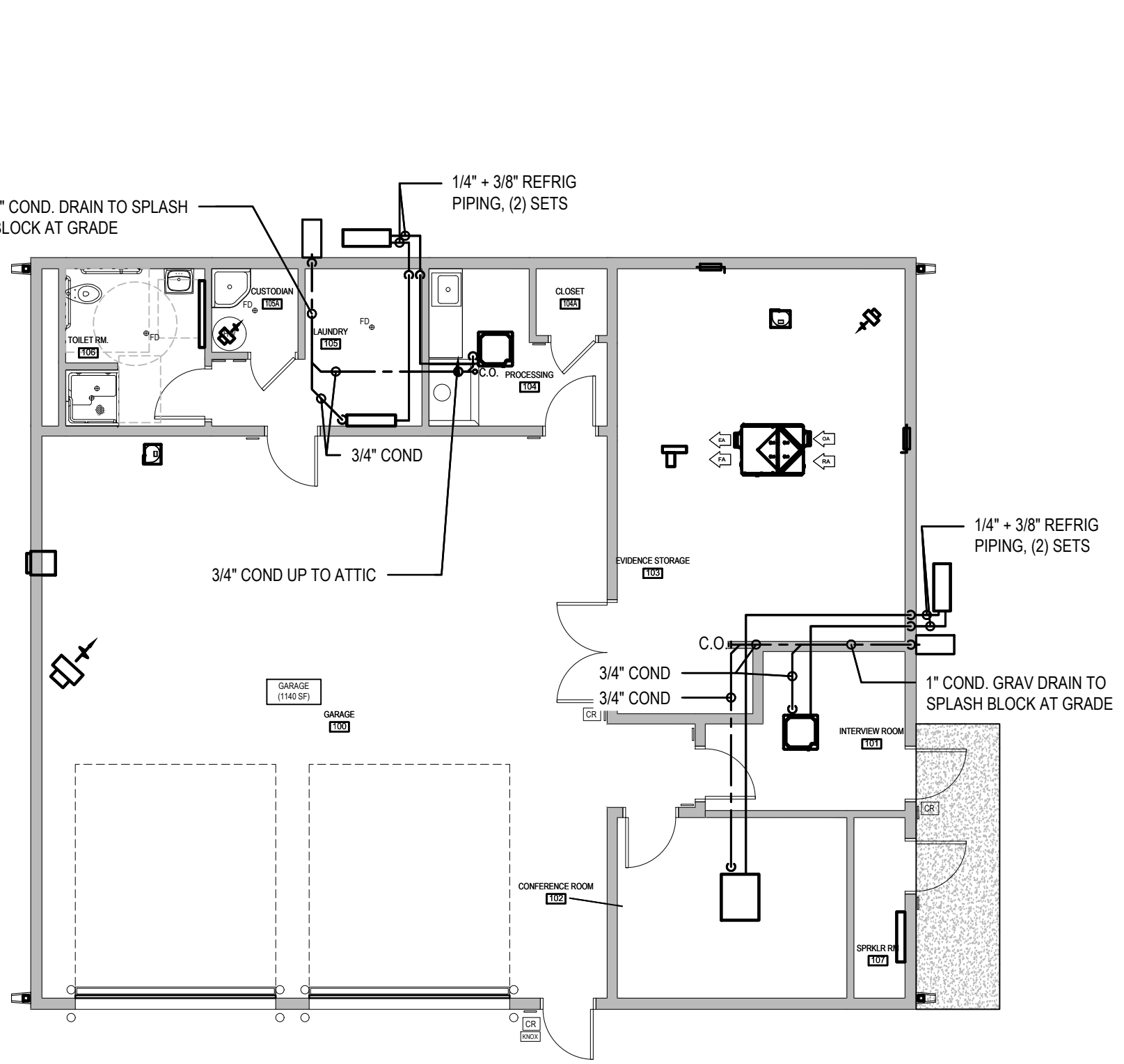
FAIL-SAFE OPERATION: IF A SENSOR FAILS, THE DETECTOR WILL ENTER A FAIL-SAFE OPERATING MODE. THE LOW ALERT RELAY CONTACTS WILL CLOSE, ACTIVATING EXHAUST FAN EF-2 AND OPENING THE ASSOCIATED MOTOR OPERATED DAMPER(S). THE INTERNAL BUZZER WILL SOUND AND THE ALARM RELAY CONTACTS WILL ACTIVATE. IF THE DETECTOR LOSES POWER, THE LOW ALERT RELAY CONTACTS WILL CLOSE AND ALLOW CONTROLLED VENTILATING EQUIPMENT WITH POWER TO OPERATE. WHEN POWER IS RESTORED, THE DETECTOR WILL RESET. THIS POWER RESTORATION PROCESS WILL TAKE APPROXIMATELY 5 MINUTES AT THE END OF WHICH THE DETECTOR WILL AGAIN MONITOR THE SENSORS AND RESPOND BASED UPON THE SELECTED PARAMETERS.

SELF TEST OPERATION: THIS OPERATION MODE MUST BE INITIATED WITHIN THE FIRST FIVE MINUTES AFTER POWER IS APPLIED TO ACTIVATE. PRESS AND HOLD THE ALARM-OFF/TEST BUTTON FOR ONE SECOND. EACH DISPLAY DIGIT WILL BE TESTED BY DISPLAYING "0" THROUGH "9". THE LOW ALERT RELAY AND INDICATOR LAMP WILL ACTIVATE FOR 30 SECONDS. A 30 SECOND PAUSE WILL ENSUE FOLLOWED BY ACTIVATION OF THE HIGH ALERT RELAY FOR 30 SECONDS. AFTER ANOTHER 30 SECOND DELAY, THE ALARM RELAY CONTACTS AND INTERNAL BUZZER WILL ACTIVATE FOR 3 SECONDS, FOLLOWED BY A THIRD 30 SECOND DELAY, AFTER WHICH THE DETECTOR WILL BEGIN NORMAL OPERATION.

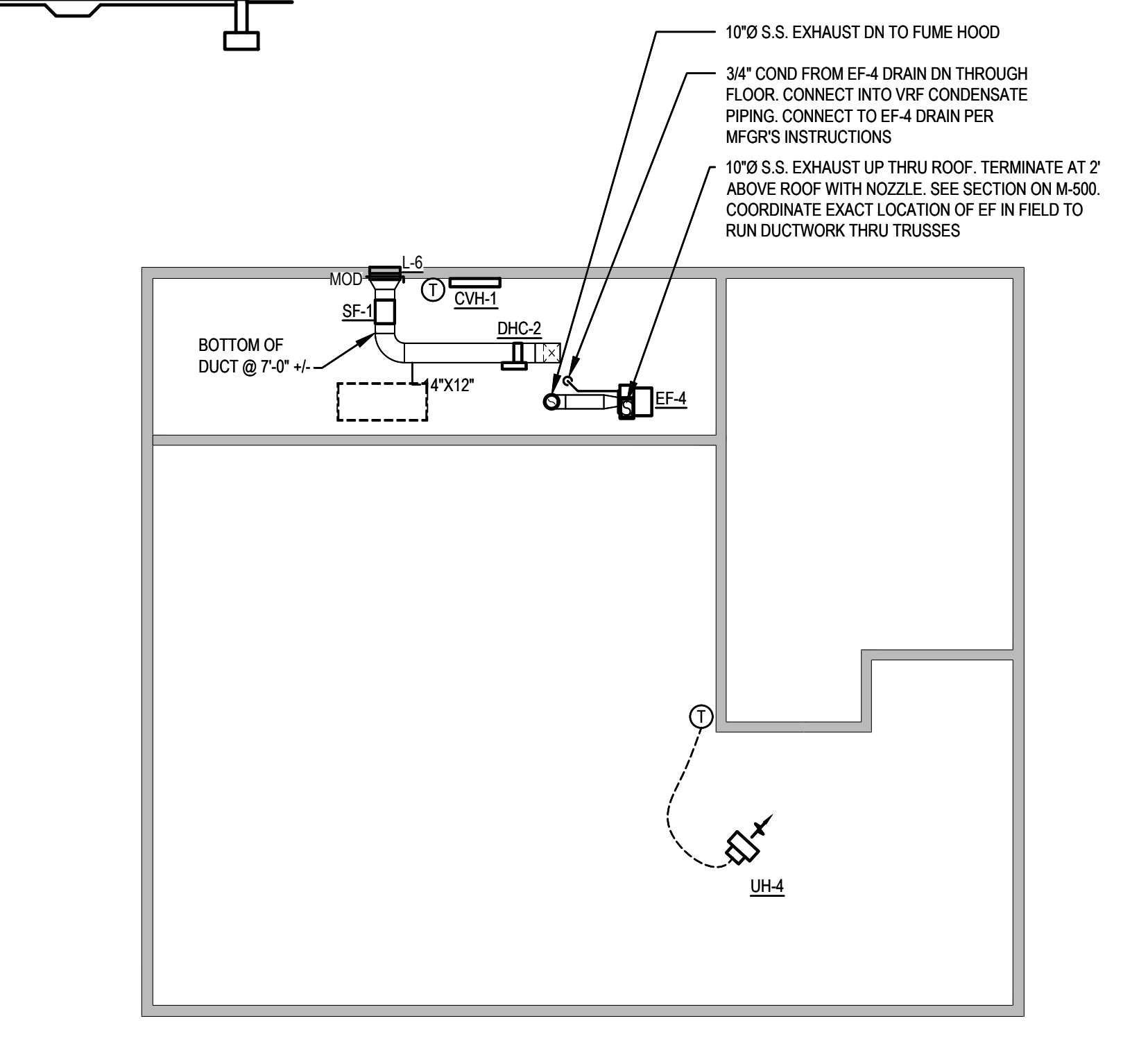
- NOTES:**
- THE UNITS ARE TO BE WALL-MOUNTED, 5'-6" AFF.
 - EACH DETECTOR SHALL BE CAPABLE OF MONITORING MINIMUM 7000 SQFT FLOOR AREA.
 - INITIAL LOW ALERT SETTINGS SHALL BE 35 PPM CARBON DIOXIDE, 1.0 PPM NITROGEN DIOXIDE, WITH LOW ALERT DELAY SET AT 3 MINUTES.
 - CONTRACTOR TO PROVIDE 2-HOURS TRAINING TO COVER OPERATION OF DETECTOR, SELF TEST, PROGRAMMING, AND FUNCTIONS.



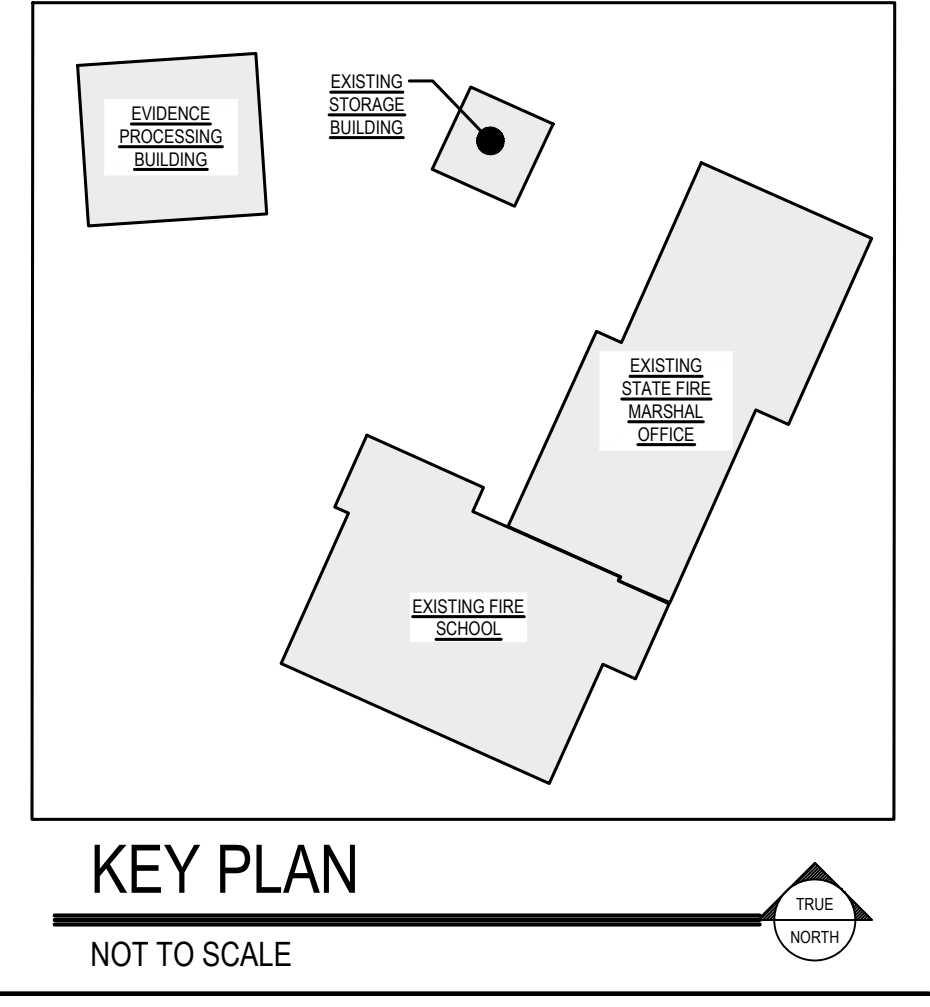
1 EVIDENCE BUILDING - HVAC PLAN
 M-101 SCALE: 1/8" = 1'-0" TRUE NORTH



2 EVIDENCE BUILDING - PIPING PLAN
 M-101 SCALE: 1/8" = 1'-0" TRUE NORTH



3 EVIDENCE BUILDING - ATTIC HVAC PLAN
 M-101 SCALE: 1/8" = 1'-0" TRUE NORTH



ARCHITECTS & ENGINEERS

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 PROVIDENCE OFFICE: 1000 W. STATE ST. 110 SEASIDE, DE 19204
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STATE OF DELAWARE
 OMBI DIVISION OF FACILITIES MANAGEMENT
 OMBI/DFM # MJ1002000070A
EVIDENCE PROCESSING BUILDING
 AT THE
 SUSSEX COUNTY FIRE MARSHAL - 2705 PARK AVE
 GEORGETOWN, DE 19847

REVISIONS		
MARK	DESCRIPTION	DATE

SHEET TITLE

MECHANICAL PLANS - EVIDENCE PROCESSING BUILDING

BID DOCUMENTS
 MARCH 18, 2024

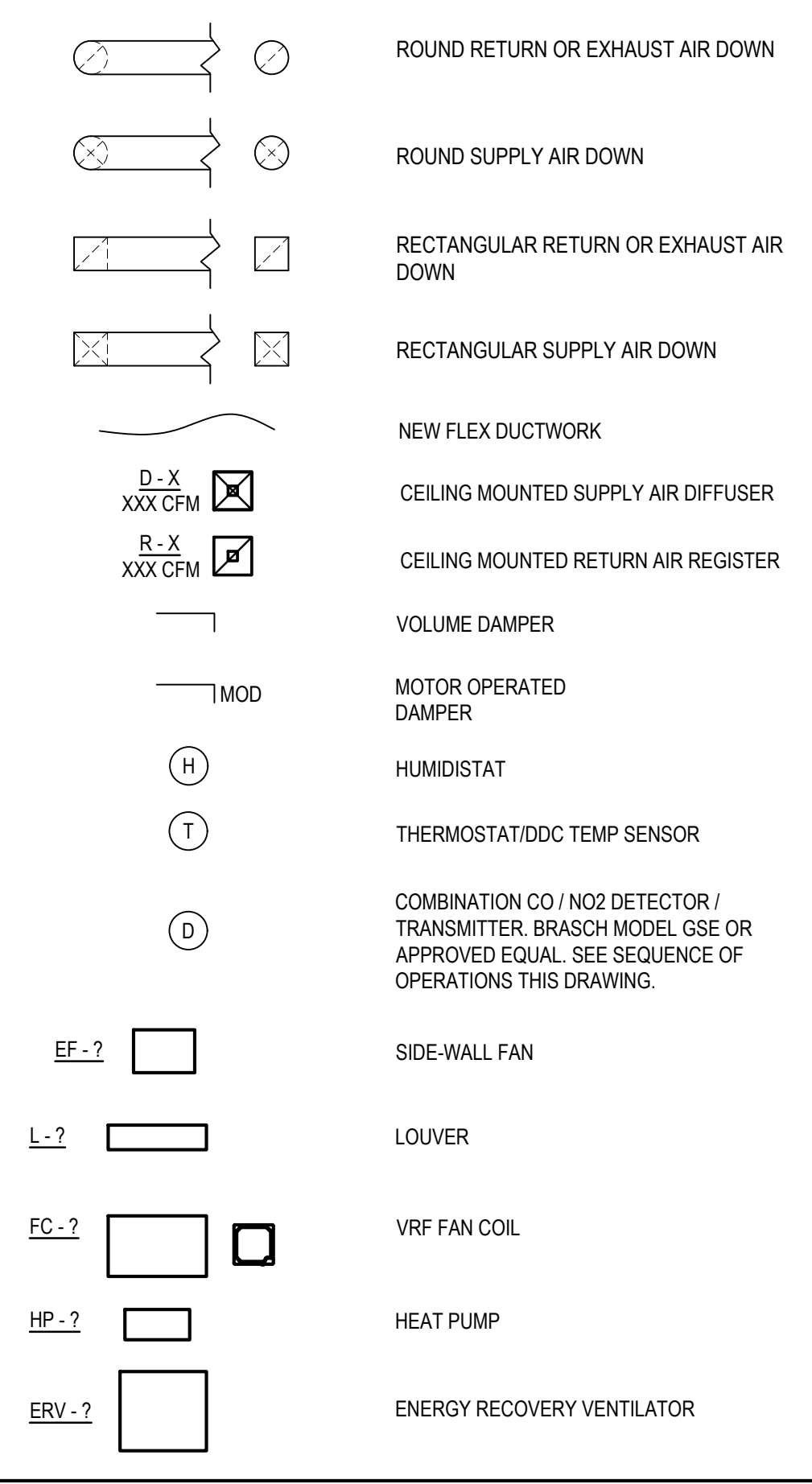
DRAWN	CHKD	PROJECT NO.
TMC	BMZ	23020

SHEET NO.

M-101

THE RECEIVER OF THESE PLANS BY ACCEPTING OR TRANSMITTING THEM IN ANY MANNER SHALL BE HELD RESPONSIBLE FOR THE ACCURACY OF THE DATA. THE RECEIVER WILL COMPARE THE DATA WITH HIS OWN RECORDS AND SHALL BE RESPONSIBLE FOR CORRECTING ANY DISCREPANCIES. THE RECEIVER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE RECEIVER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION ON THE PLANS. THE RECEIVER WARRANTS THAT IT WILL NOT REPRODUCE OR OTHERWISE MAKE USE OF THE DATA OR PLANS IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF STUDIOJAED ARCHITECTS & ENGINEERS.

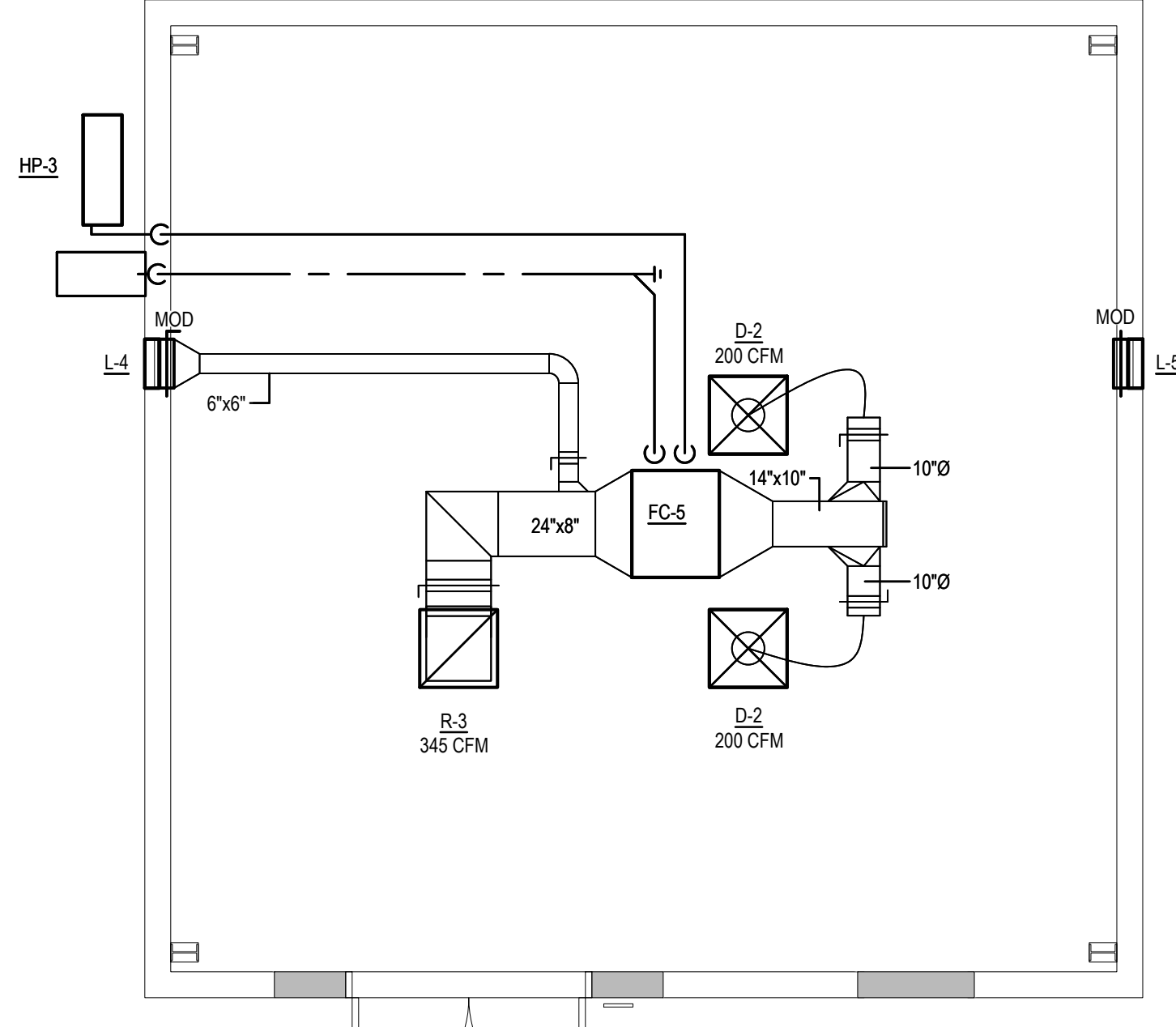
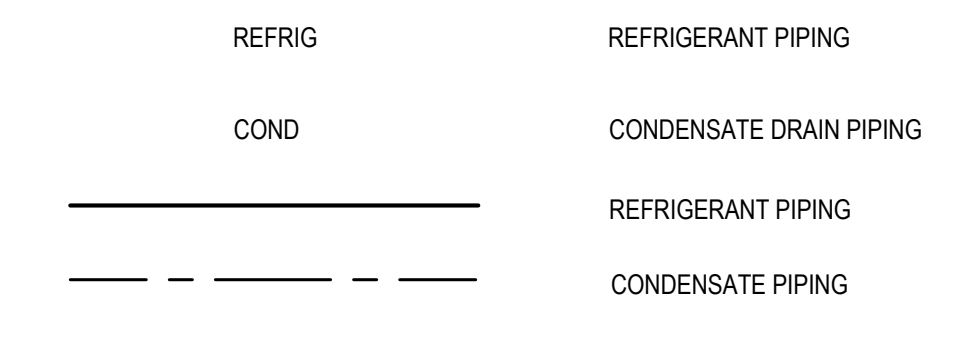
HVAC LEGEND



GENERAL HVAC & PIPING NOTES

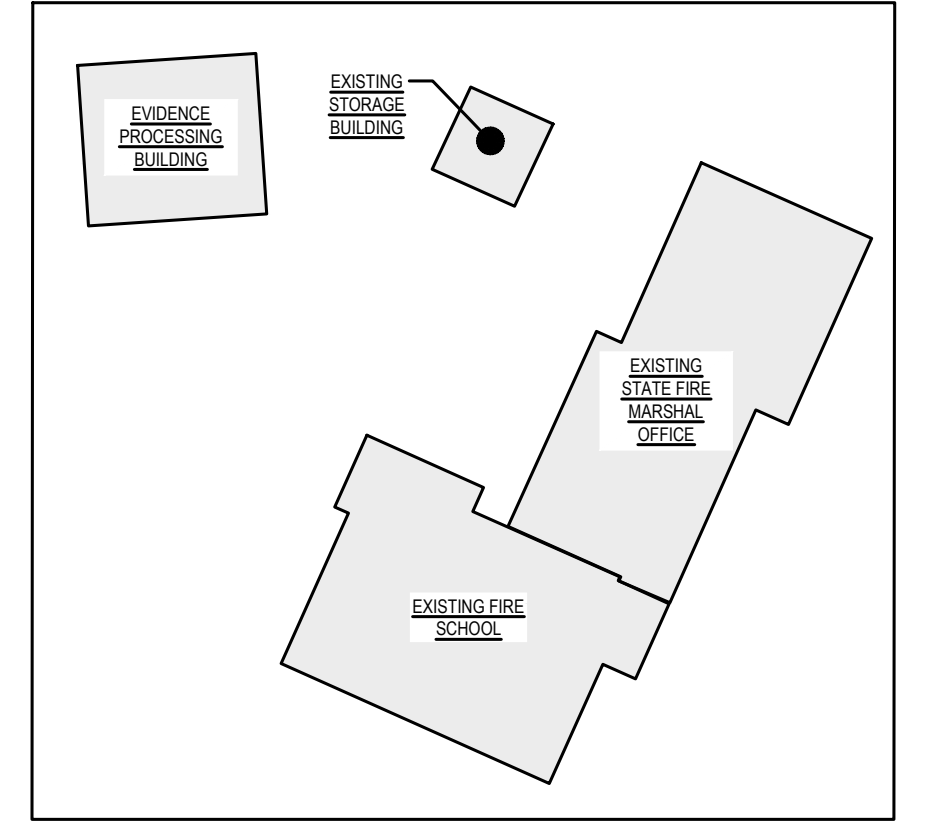
- ALL MOTORS FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR (OR A MECHANICAL SUBCONTRACTOR) SHALL BE PROTECTED AGAINST OVERLOAD IN ACCORDANCE WITH N.E.C. ARTICLE 430, SECTION C.
- ALL THERMOSTATS SHOWN ON HVAC PLANS ARE TO BE MOUNTED 4'-0" MAXIMUM AFF. (TOP OF UNIT), UNLESS NOTED OTHERWISE. CONTRACTOR IS RESPONSIBLE FOR MOUNTING & WIRING ALL THERMOSTATS. PLENUM RATED CABLES MUST BE USED.
- INSTALL ALL EQUIPMENT AND MATERIALS PER MANUFACTURER'S WRITTEN INSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ADDITIONAL COSTS INCURRED AS A RESULT OF SUBSTITUTIONS OR DEVIATIONS FROM THE BASIS OF DESIGN SHOWN ON THESE DRAWINGS.
- INSULATE ALL PIPING AND DUCTWORK AS SPECIFIED.
- UNLESS OTHERWISE SHOWN OR SPECIFIED, ALL CONDENSATE DRAINS FROM ALL HVAC UNITS SHALL BE TRAPPED AND PIPED THROUGH THE BUILDING AND DRAINED THROUGH THE EXTERIOR WALL OF THE BUILDING AT A HEIGHT NOT TO EXCEED 18" ABOVE GRADE. PIPE SIZES SHALL MATCH SIZE OF DRAIN CONNECTION AT A MINIMUM. UNLESS OTHERWISE SHOWN OR STATED, CONDENSATE PIPING SHALL NOT BE EXPOSED.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL NEW PIPING AND DUCTWORK PENETRATIONS IN WALLS AND FLOORS. THE PIPING PLANS DO NOT SPECIFICALLY NOTE WHERE PIPING AND DUCTWORK PENETRATES WALLS AND FLOORS. IT IS THE CONTRACTOR'S RESPONSIBILITY PRIOR TO BID TO STUDY THE PLANS TO ACCOUNT FOR ALL PIPING AND DUCTWORK PENETRATIONS OF THE STRUCTURE.
- THE CONTRACTOR SHALL PROVIDE NEW SUPPORTS OF COMPATIBLE MATERIAL FOR ALL NEW PIPING.
- PROVIDE SPLASH BLOCKS FOR ALL CONDENSATE DRAINS.
- FOR CONDENSATE DRAIN PIPING RUNS LONGER THAN 50 FEET, PROVIDE A REMOVABLE PLUG AT A CHANGE OF DIRECTION EVERY 50 FT.

PIPING LEGEND



3 EXISTING STORAGE BUILDING - HVAC & PIPING PLAN

 M-102 SCALE: 1/8" = 1'-0"



KEY PLAN
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 OMB / DFM # MJ1002000070A
EVIDENCE PROCESSING BUILDING
 AT THE
 SUSSEX COUNTY FIRE MARSHAL
 OFFICE OF THE STATE FIRE MARSHAL - 2705 PARK AVE
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REVISIONS

MARK	DESCRIPTION	DATE

SHEET TITLE
 MECHANICAL PLANS - EXISTING STORAGE BUILDING

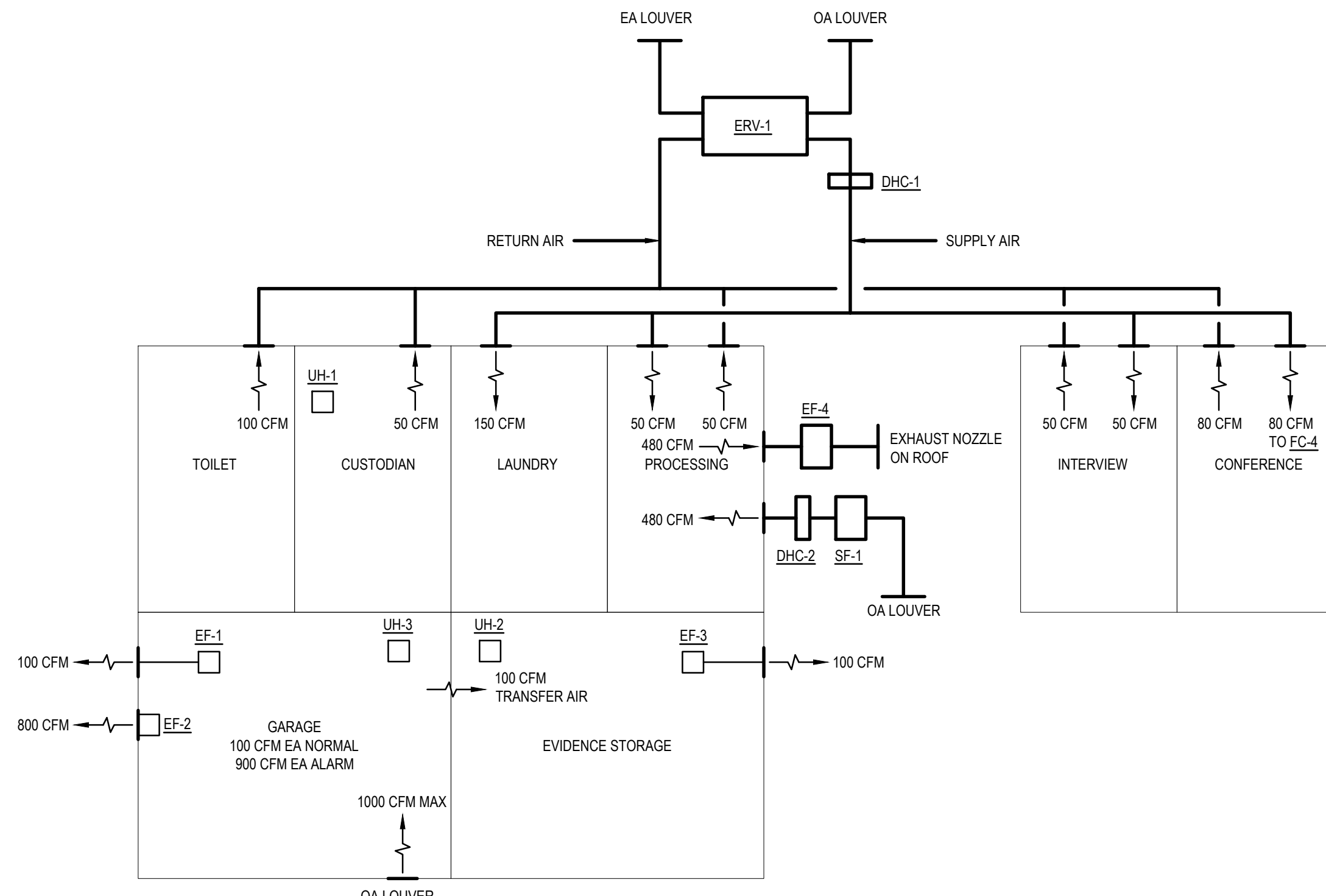
BID DOCUMENTS
 MARCH 18, 2024

DRAWN	CHKD	PROJECT NO.
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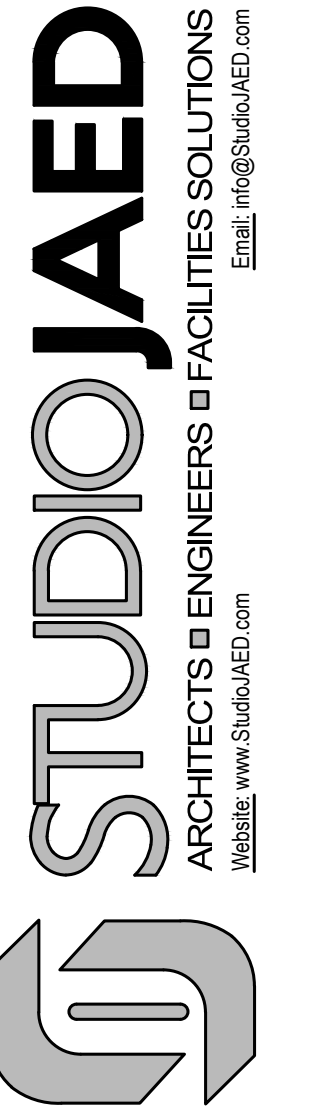
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3/19/2024 10:13 AM



4 EVIDENCE PROCESSING BUILDING FLOW DIAGRAM
 M-400 SCALE: NTS



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PROJECT REVISIONS

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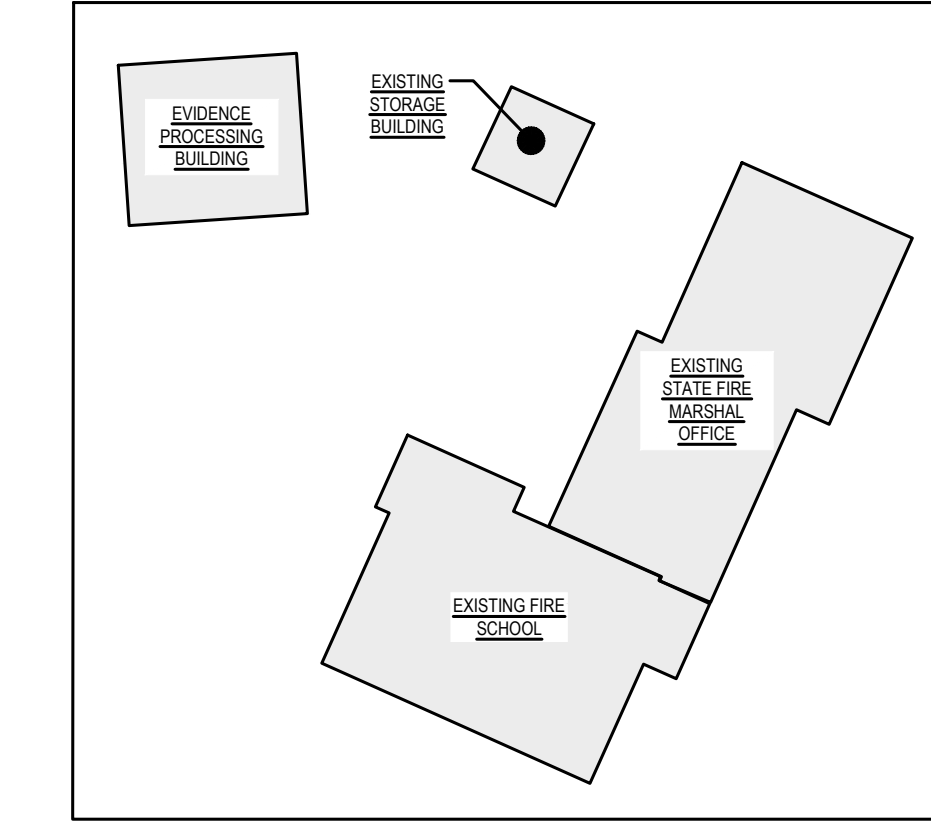
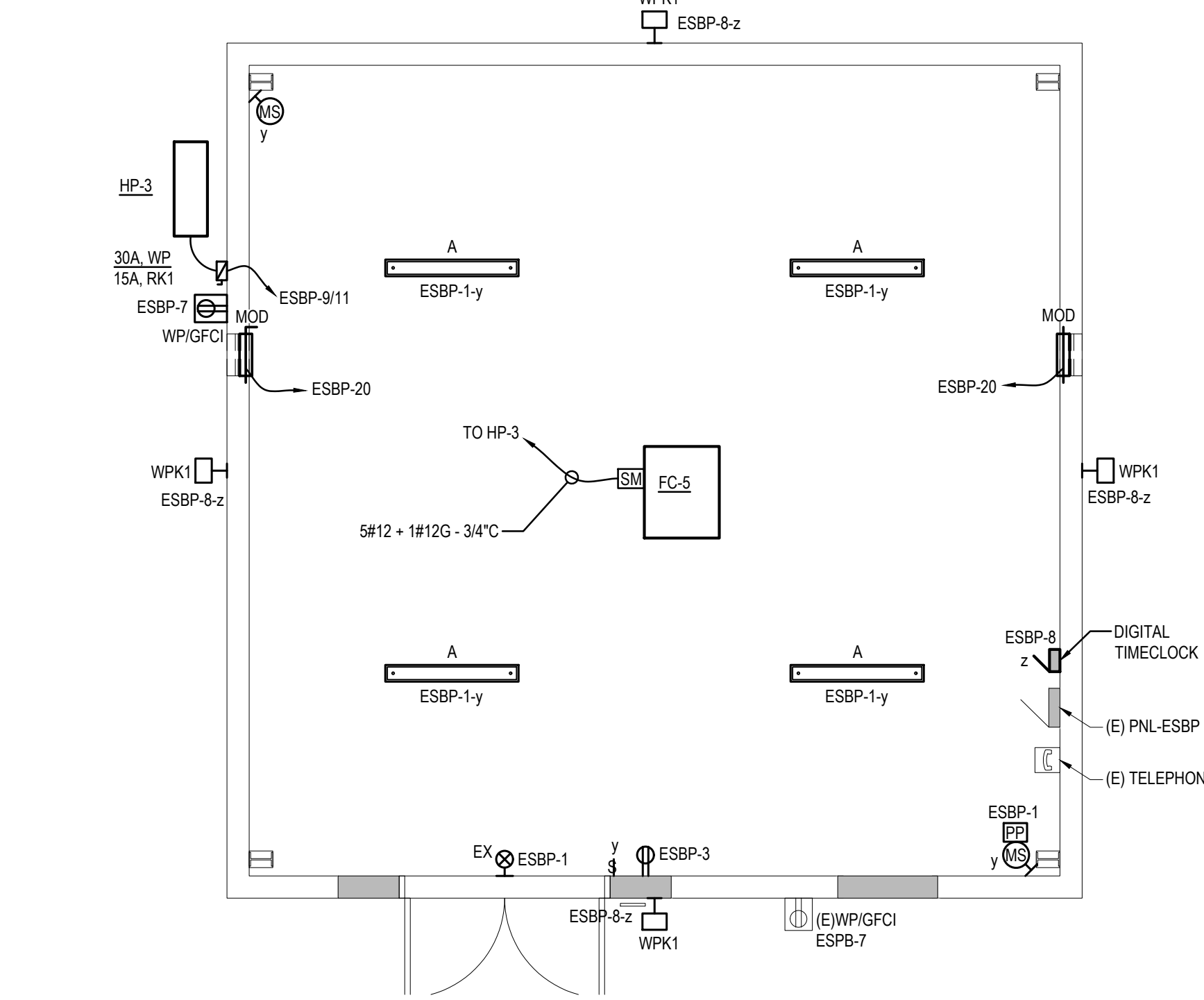
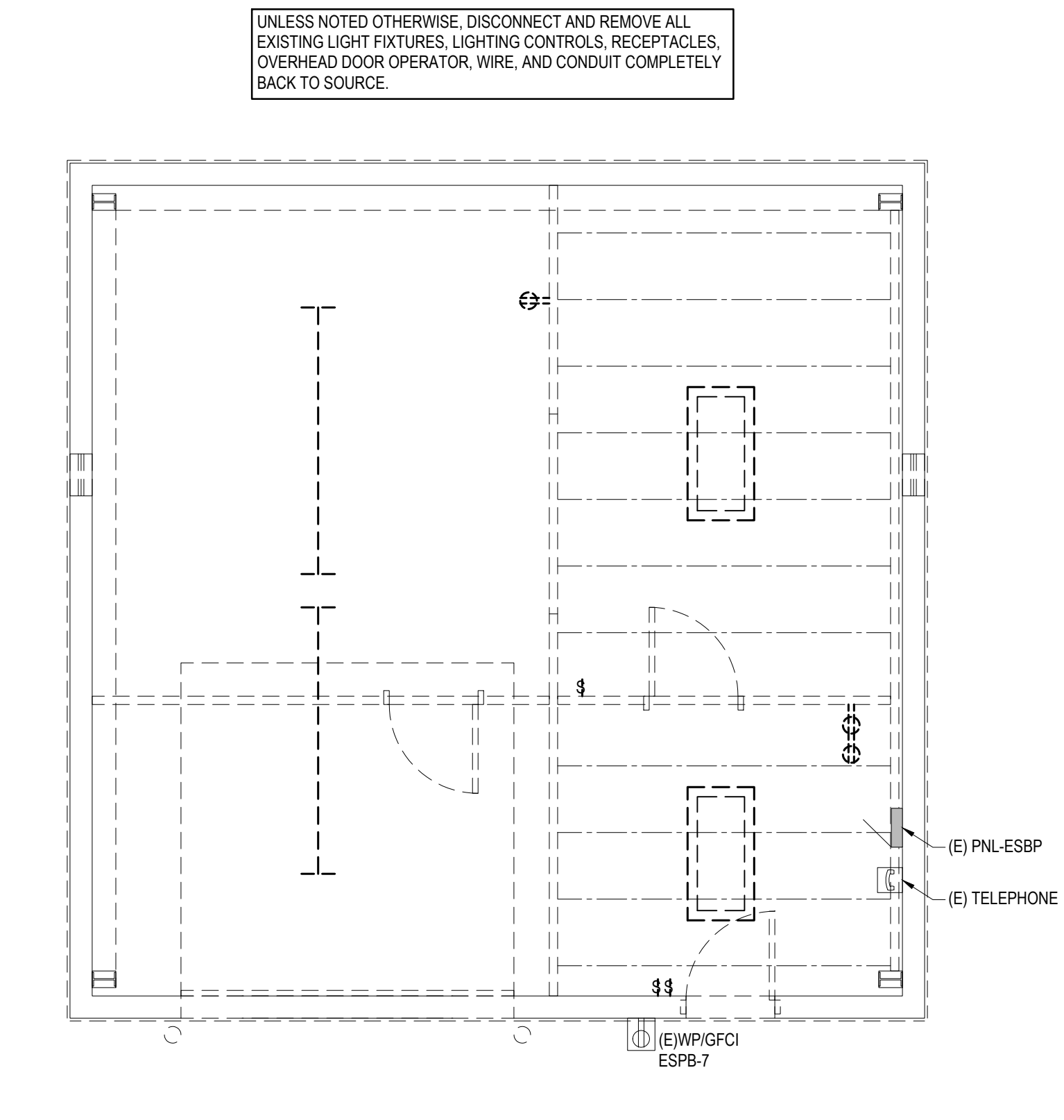
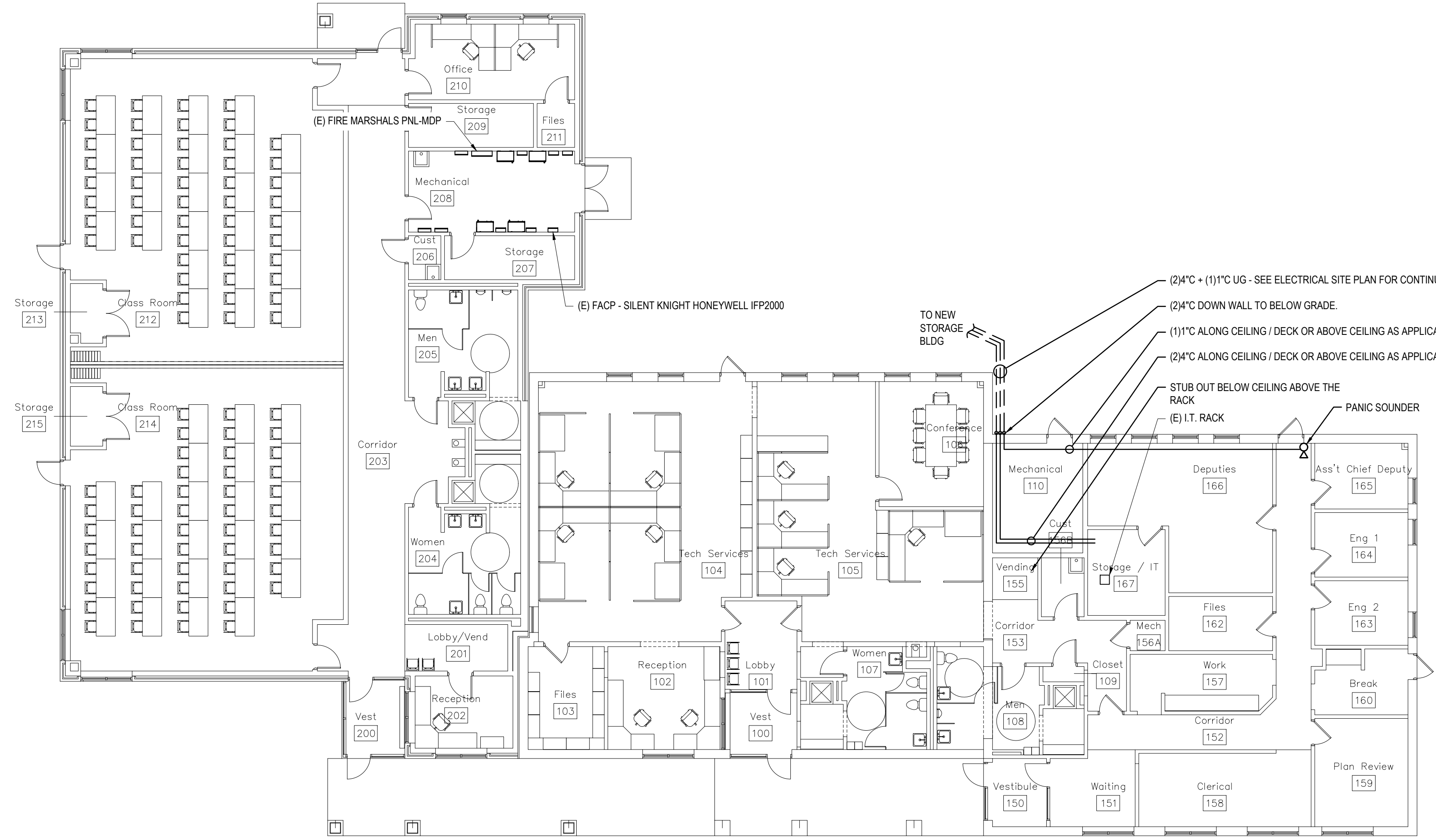
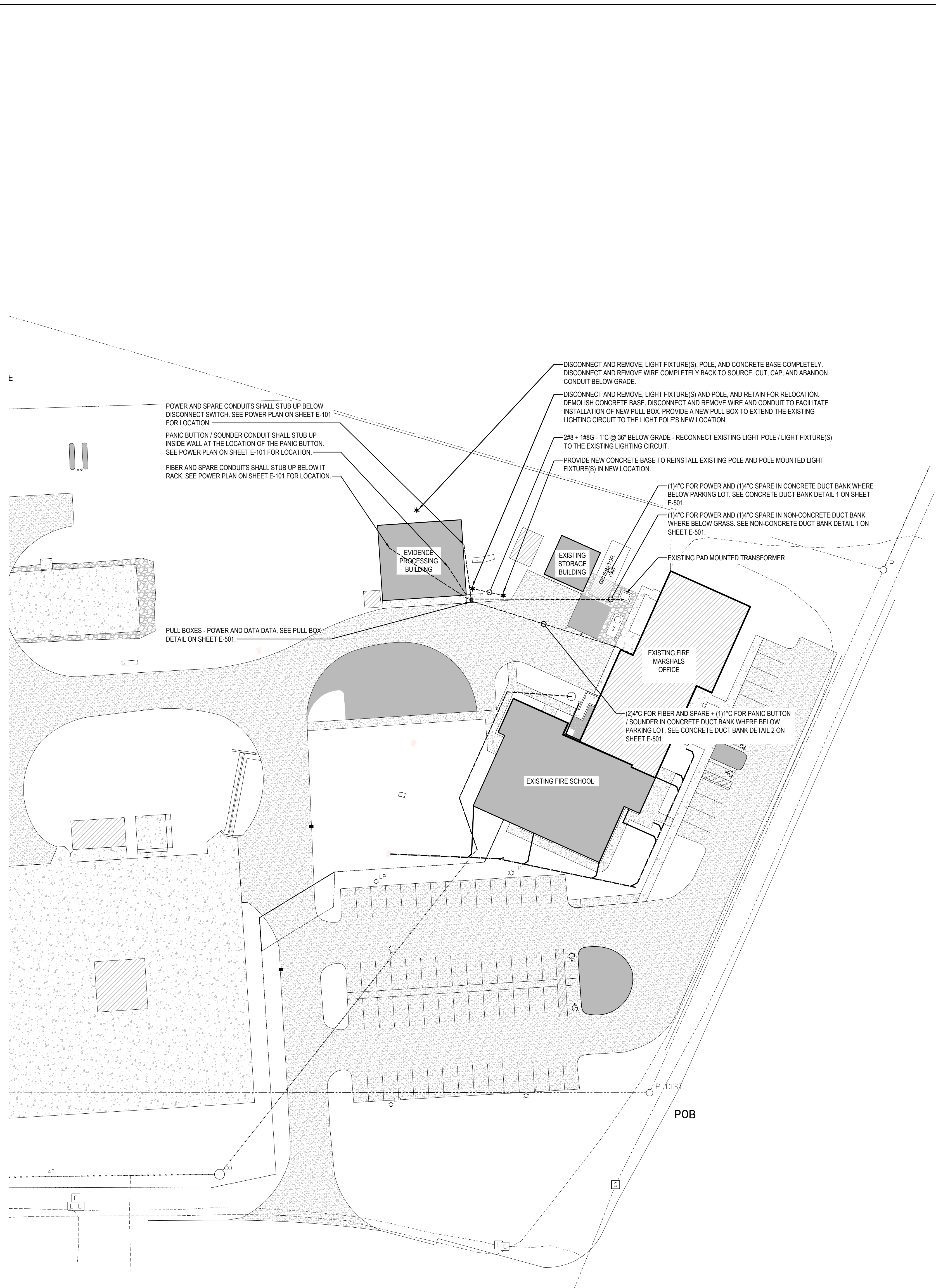
SHEET TITLE
FLOW DIAGRAM - EVIDENCE PROCESSING BUILDING

BID DOCUMENTS
 MARCH 18, 2024

DRAWN	CHKD	PROJECT NO.
TMC	BMZ	23020

SHEET NO. **M-400**

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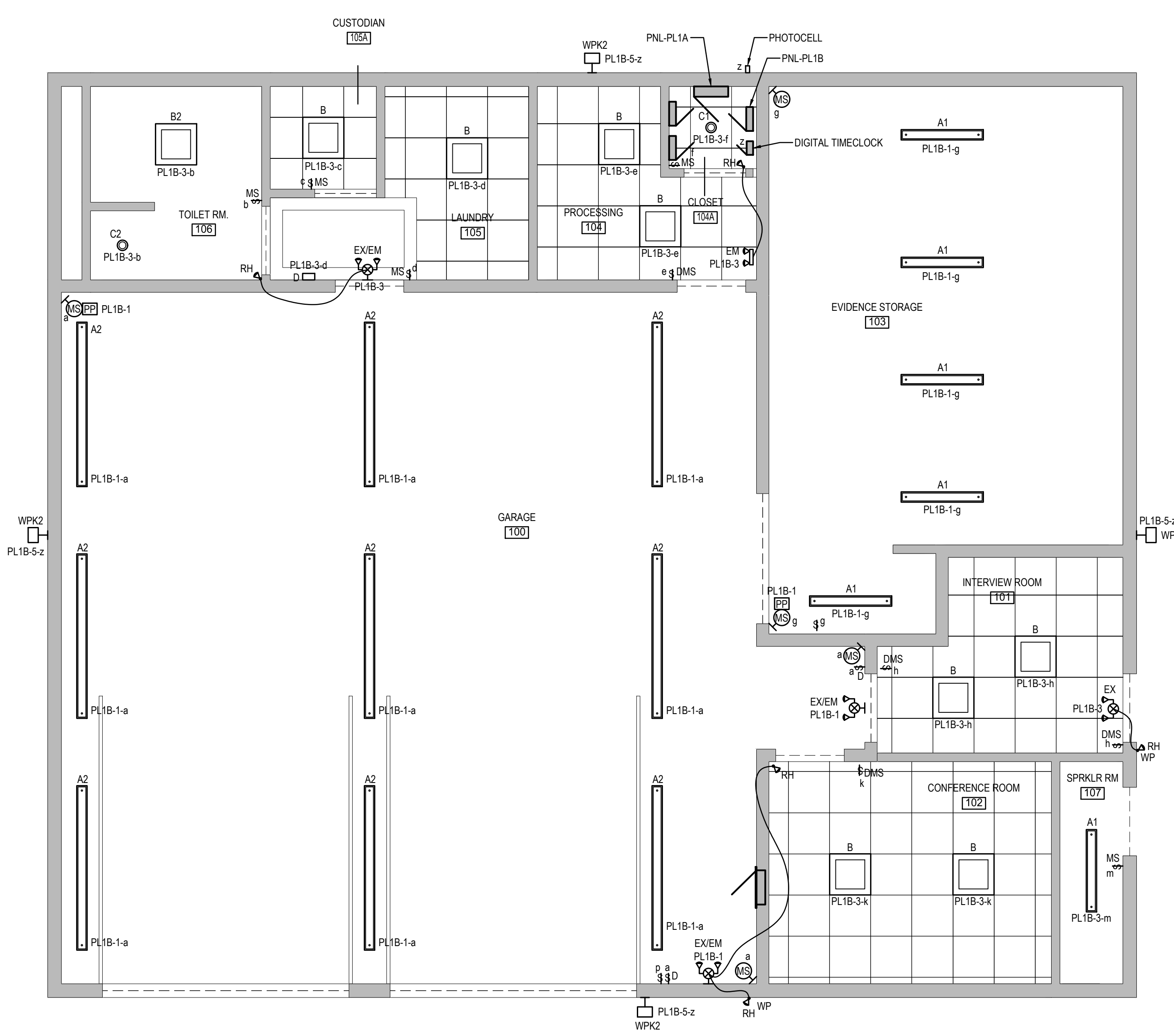
PROJECT REVISIONS

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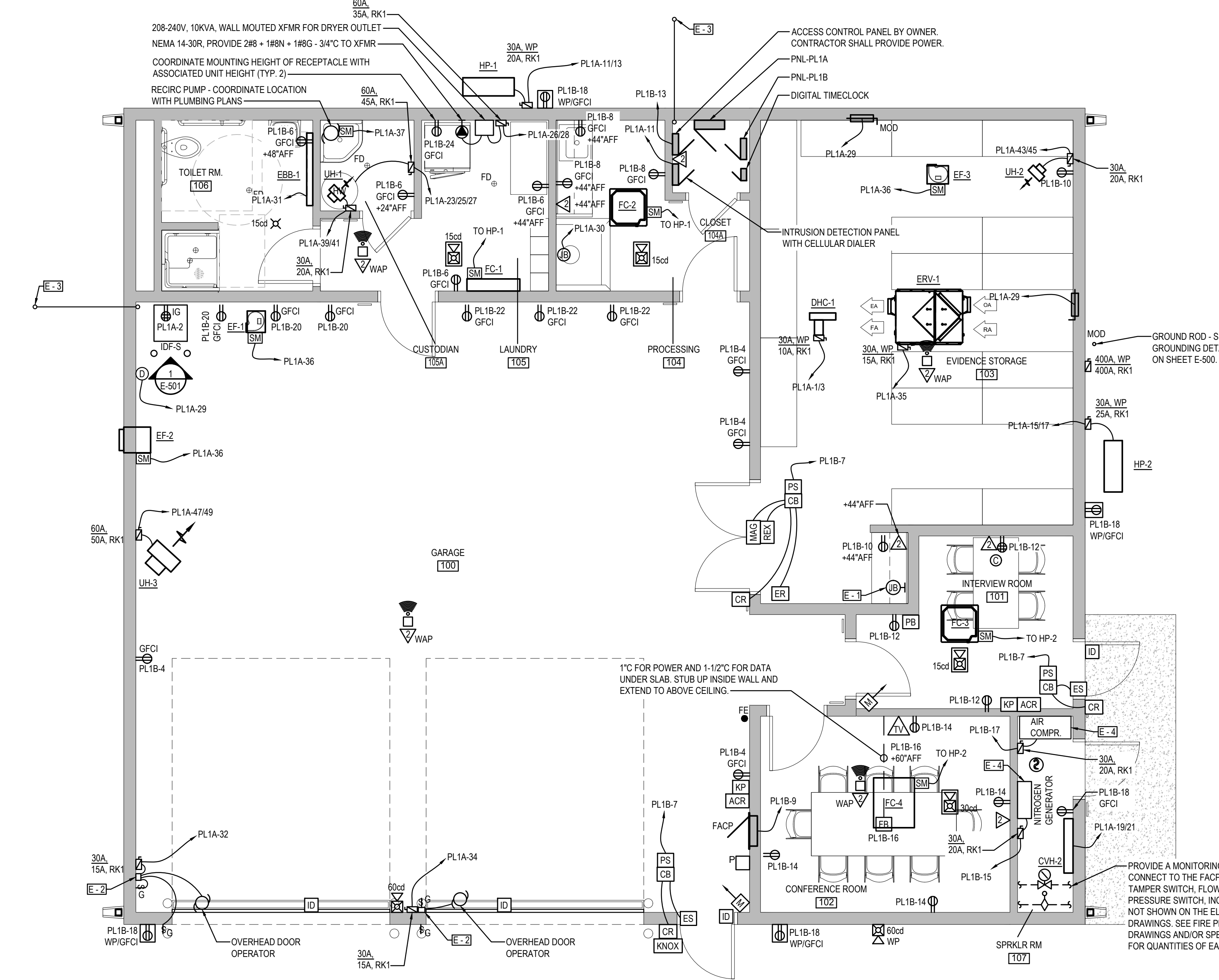
SHEET TITLE
 ELECTRICAL SITE & EXISTING STORAGE BUILDING PLANS

BID DOCUMENTS
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 PROJECT NO. 23020
 SHEET NO. E-100

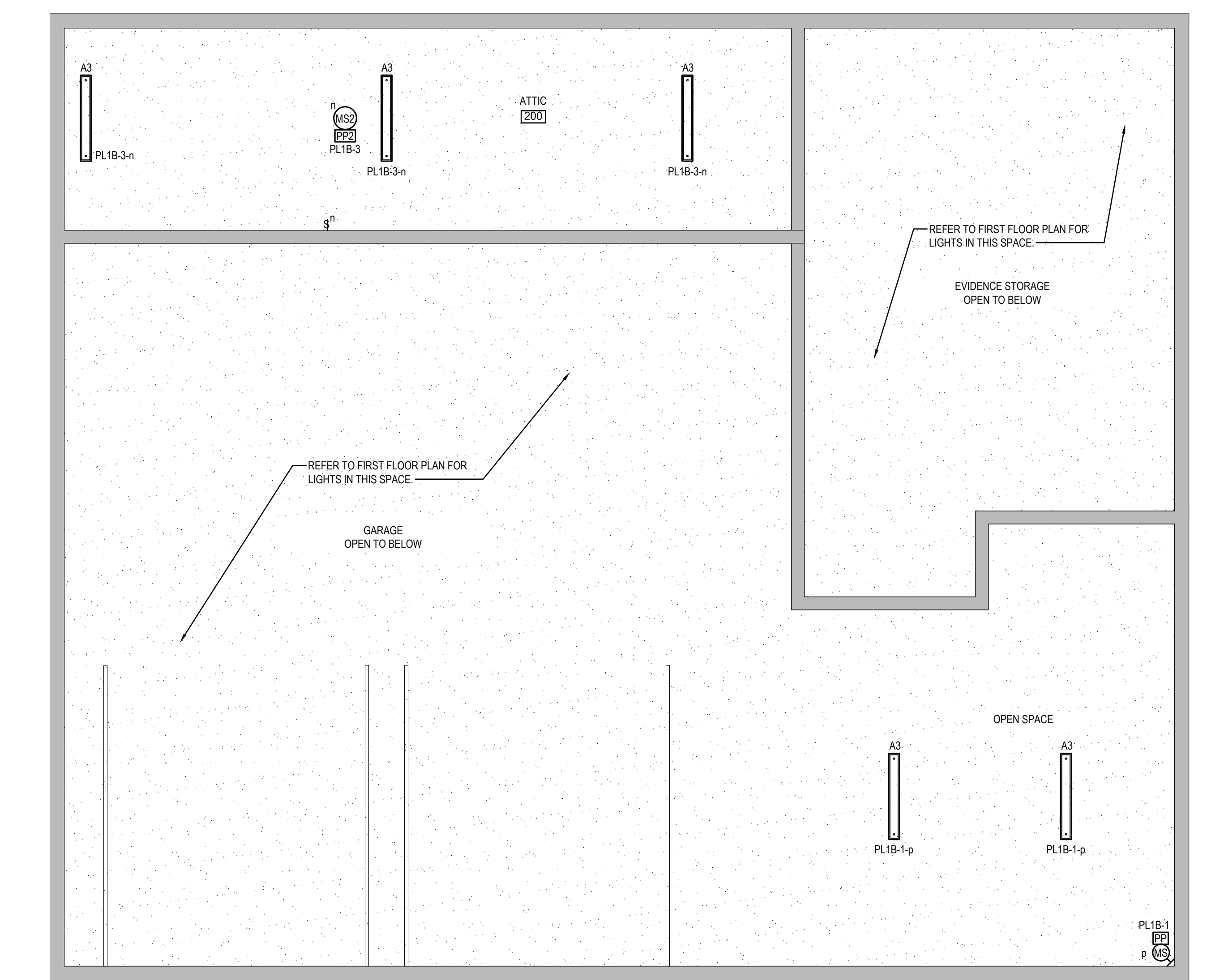
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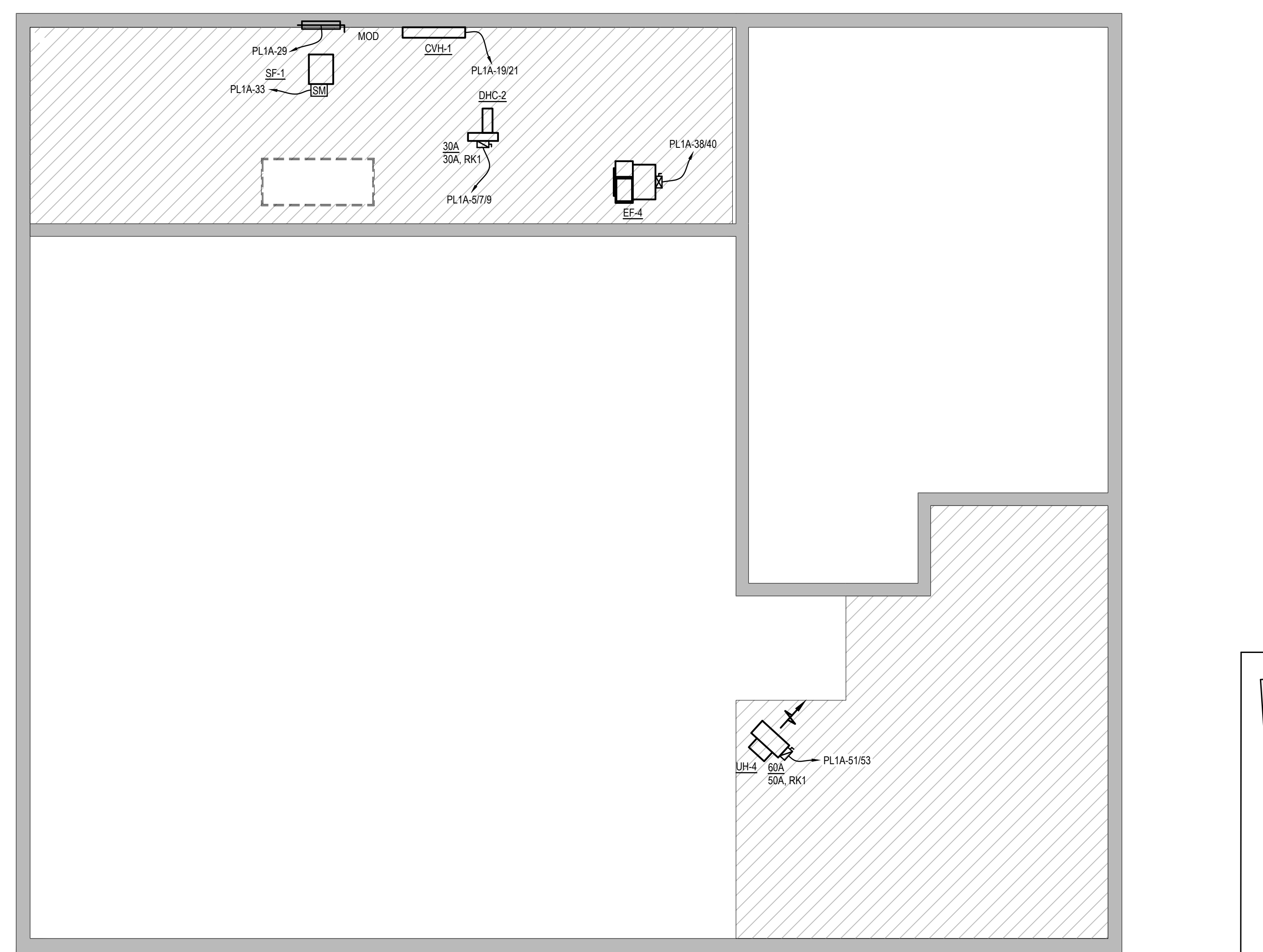
1 EVIDENCE PROCESSING BUILDING - FIRST FLOOR LIGHTING PLAN
 SCALE: 1/4" = 1'-0"



2 EVIDENCE PROCESSING BUILDING - POWER PLAN
 SCALE: 1/4" = 1'-0"

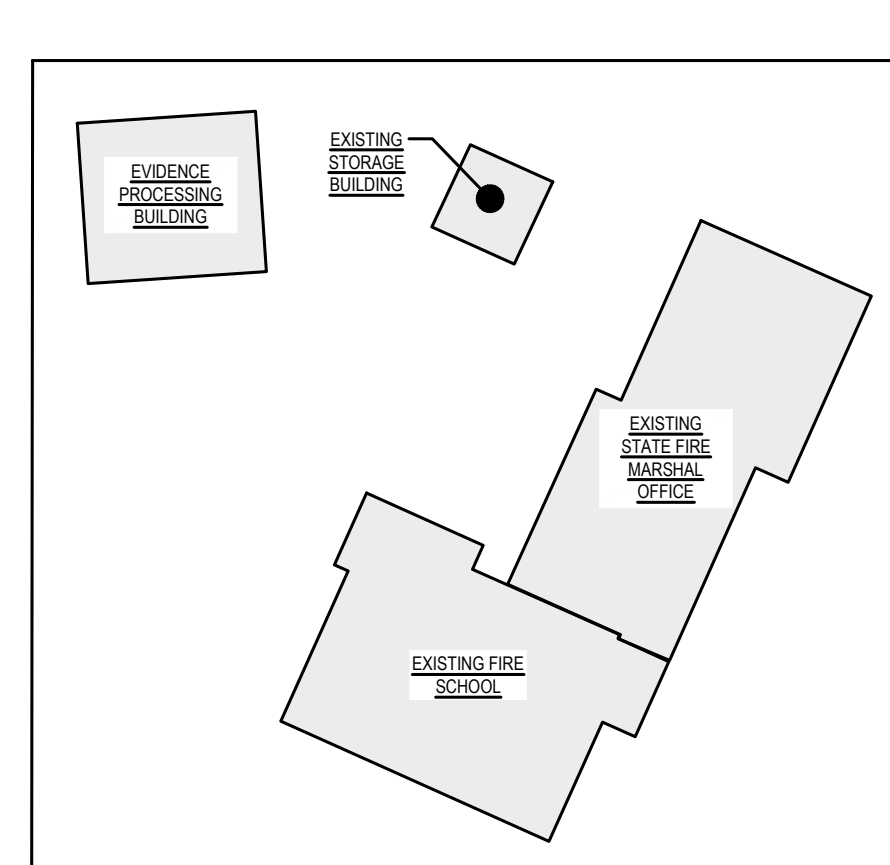


3 EVIDENCE PROCESSING BUILDING - ATTIC LIGHTING PLAN
 SCALE: 1/4" = 1'-0"



4 EVIDENCE PROCESSING BUILDING - ATTIC POWER PLAN
 SCALE: 1/4" = 1'-0"

- ELECTRICAL NEW WORK NOTES:**
- THE NETWORK CABLING CONTRACTOR SHALL BE ONE OF THE STATE OF DELAWARE, DTI APPROVED STRUCTURED CABLING CONTRACTORS WHO SHALL BE RESPONSIBLE FOR FURNISHING, INSTALLING, AND TESTING THE ENTIRE NETWORK SYSTEM. ALL TELECOMMUNICATIONS OUTLETS SHALL BE CONNECTED TO IDF-S.
 - PROVIDE A RECESSED 1-GANG ELECTRICAL BOX AT 44" AFF. PROVIDE A RECESSED CONDUIT WITH PULL STRING FROM THE BOX UP TO A POINT 6" ABOVE THE CEILING WITH A 90 DEG. BEND OUT OF THE WALL INTO THE CEILING SPACE OF THE INTERVIEW ROOM. BOX AND CONDUIT FOR USE WITH OWNER PROVIDED CAMERA SYSTEM FOR INTERVIEW ROOM.
 - VENDOR SUPPLIED OVERHEAD DOOR OPERATOR, CONTROL SWITCH, AND WEATHERPROOF-KEY OPERATED SWITCH. PROVIDE POWER AND CONTROL WIRING IN SEPARATE 3/4" TO THE MOTOR AND CONTROL SWITCHES AS REQUIRED FOR A COMPLETE INSTALLATION.
 - SPARE 2" C WITH A PULL STRING. STUB UP AND CAP CONDUIT INSIDE BUILDING AT 6" AFF. STUB UP AND CAP CONDUIT AT GRADE 5' 0" PAST THE EXTERIOR WALL.
 - NITROGEN GENERATOR AND AIR COMPRESSOR, AS WELL AS ASSOCIATED DISCONNECT SWITCH, WIRE CONDUIT, AND CIRCUIT BREAKER FOR EACH SHALL BE PROVIDED IN BASE BID ONLY AND SHALL BE DELETED IN ALTERNATE #1.



KEY PLAN
 NOT TO SCALE

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REVISIONS

MARK	DESCRIPTION	DATE

SHEET TITLE
 ELECTRICAL PLANS - EVIDENCE PROCESSING BUILDING

BID DOCUMENTS
 MARCH 18, 2024

DRAWN JD	CHKD JD	PROJECT NO. 23020
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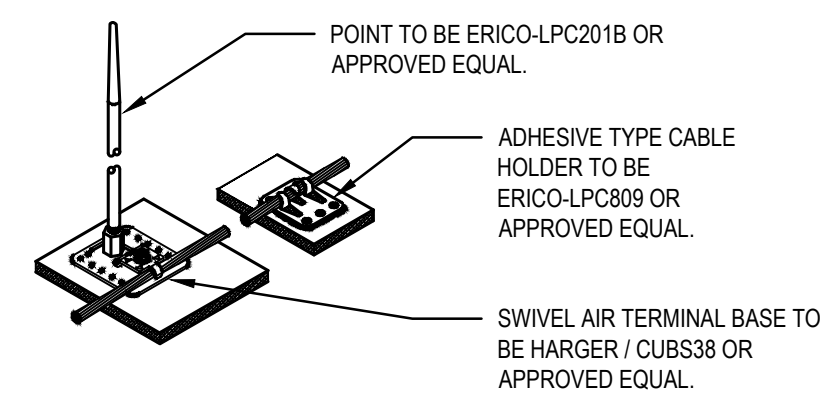
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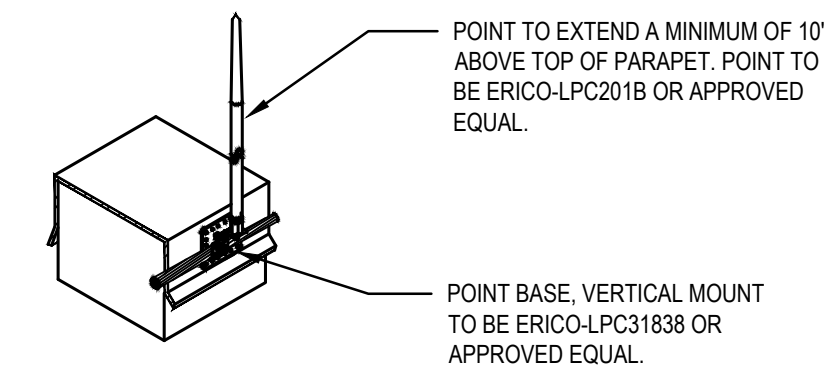
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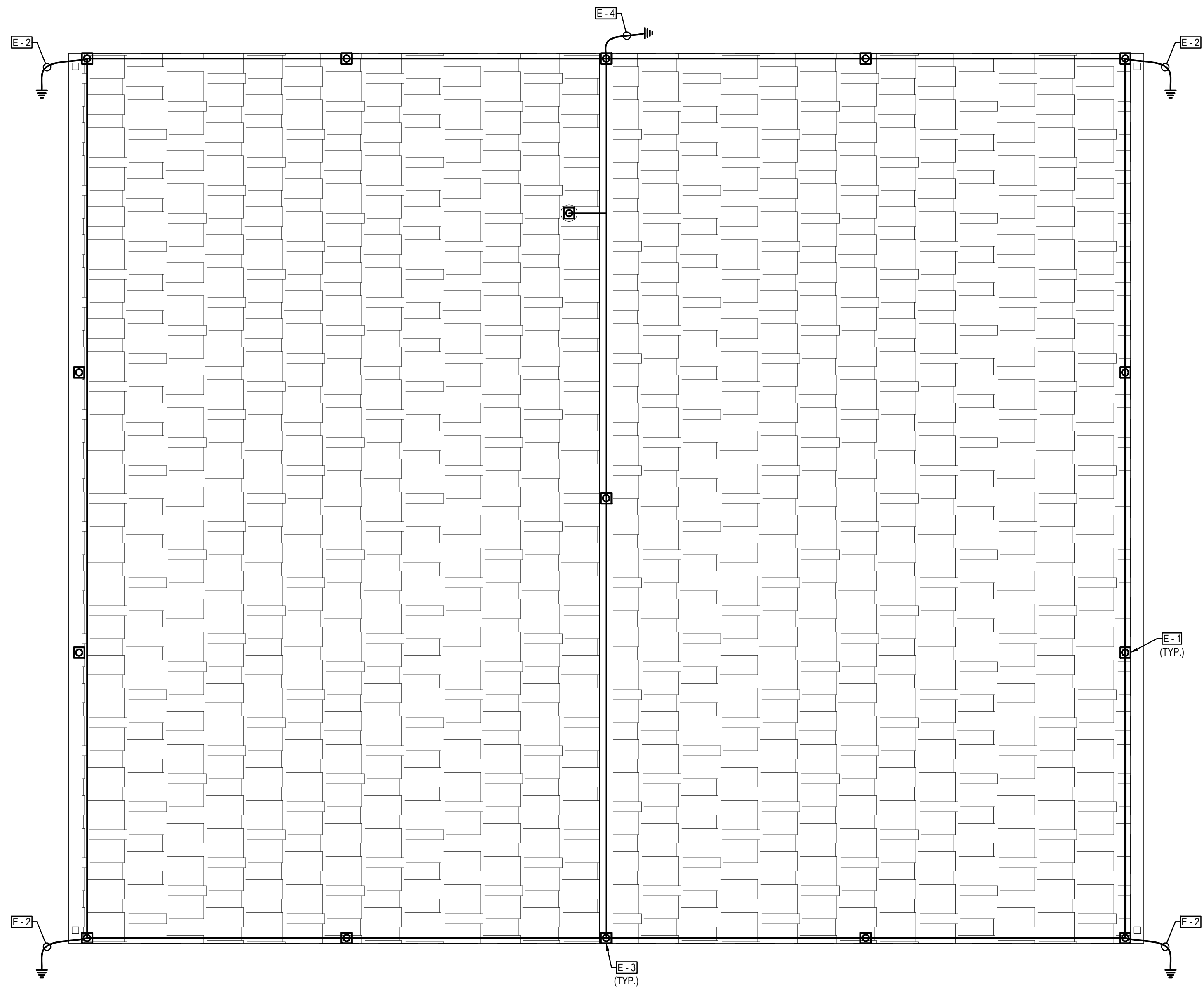


2 TYPICAL TOP MOUNT AIR TERMINAL DETAIL
E-102 SCALE: NOT TO SCALE

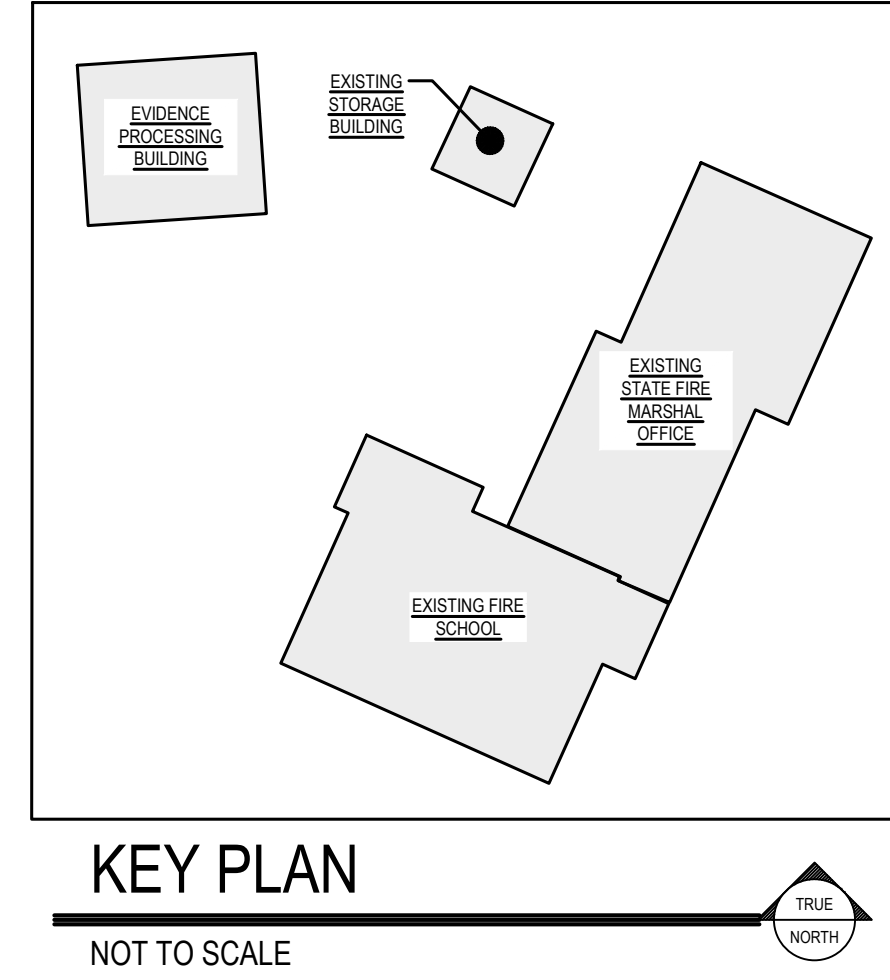


3 TYPICAL SIDE MOUNT AIR TERMINAL DETAIL
E-102 SCALE: NOT TO SCALE

- ELECTRICAL NOTES:**
- E-1 PROVIDE NEW AIR TERMINALS ALONG ROOF PERIMETER AT 20' O.C. SPACING. CONNECT AIR TERMINALS TOGETHER WITH A GROUND WIRE. GROUND WIRE TO BE A COPPER CABLE WITH BRAIDED SMOOTH TWIST, 211,600 CIRCULAR MILLS, THOMPSON LIGHTNING PROTECTION INC. - 507SUPREME OR APPROVED EQUAL. PROVIDE FASTENERS TO ATTACH GROUND WIRE TO ROOF AT 6' O.C. SPACING. SEE TYPICAL TOP MOUNT AIR TERMINAL DETAIL ON SHEET E-600.
 - E-2 PROVIDE A DOWN CONDUCTOR TO CONNECT THE ROOF LIGHTNING PROTECTION TO A NEW GROUND ROD BELOW. DOWN CONDUCTOR TO BE A COPPER CABLE WITH BRAIDED SMOOTH TWIST, 211,600 CIRCULAR MILLS, THOMPSON LIGHTNING PROTECTION INC. - 507SUPREME OR APPROVED EQUAL. GROUND ROD TO BE A 3/4"x10\"/>



1 ALTERNATE #3 - EVIDENCE PROCESSING BUILDING - ROOF LIGHTNING PROTECTION PLAN
E-102 SCALE: 1/4" = 1'-0"



KEY PLAN
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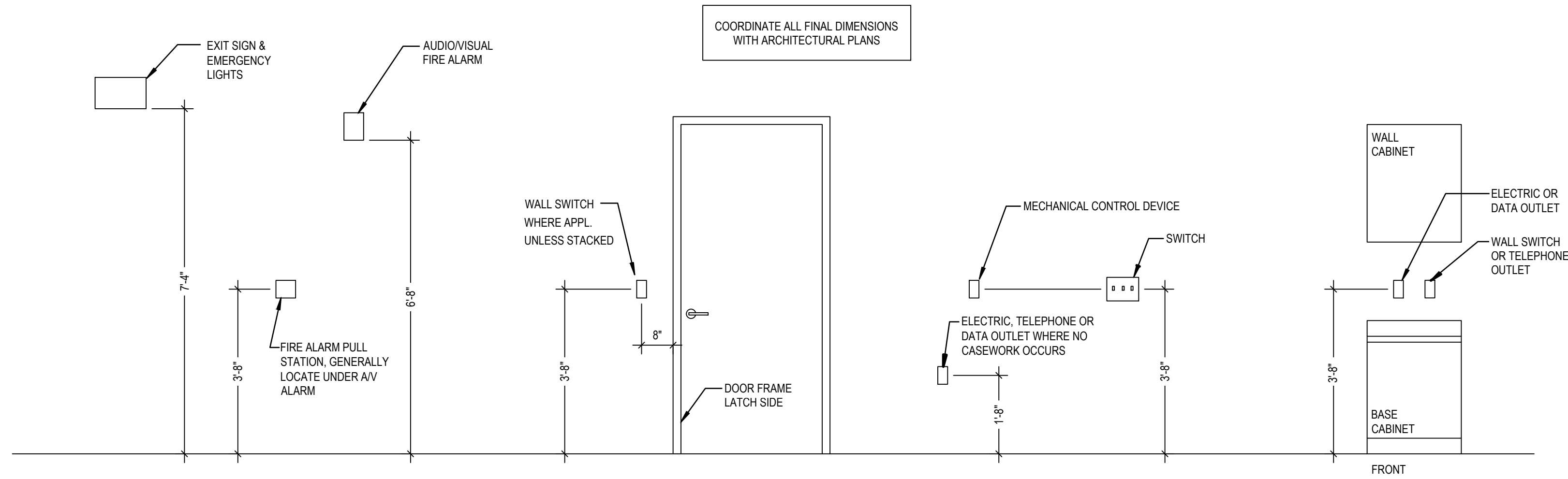
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ALTERNATE #3
LIGHTNING PROTECTION PLAN

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MARCH 18, 2024

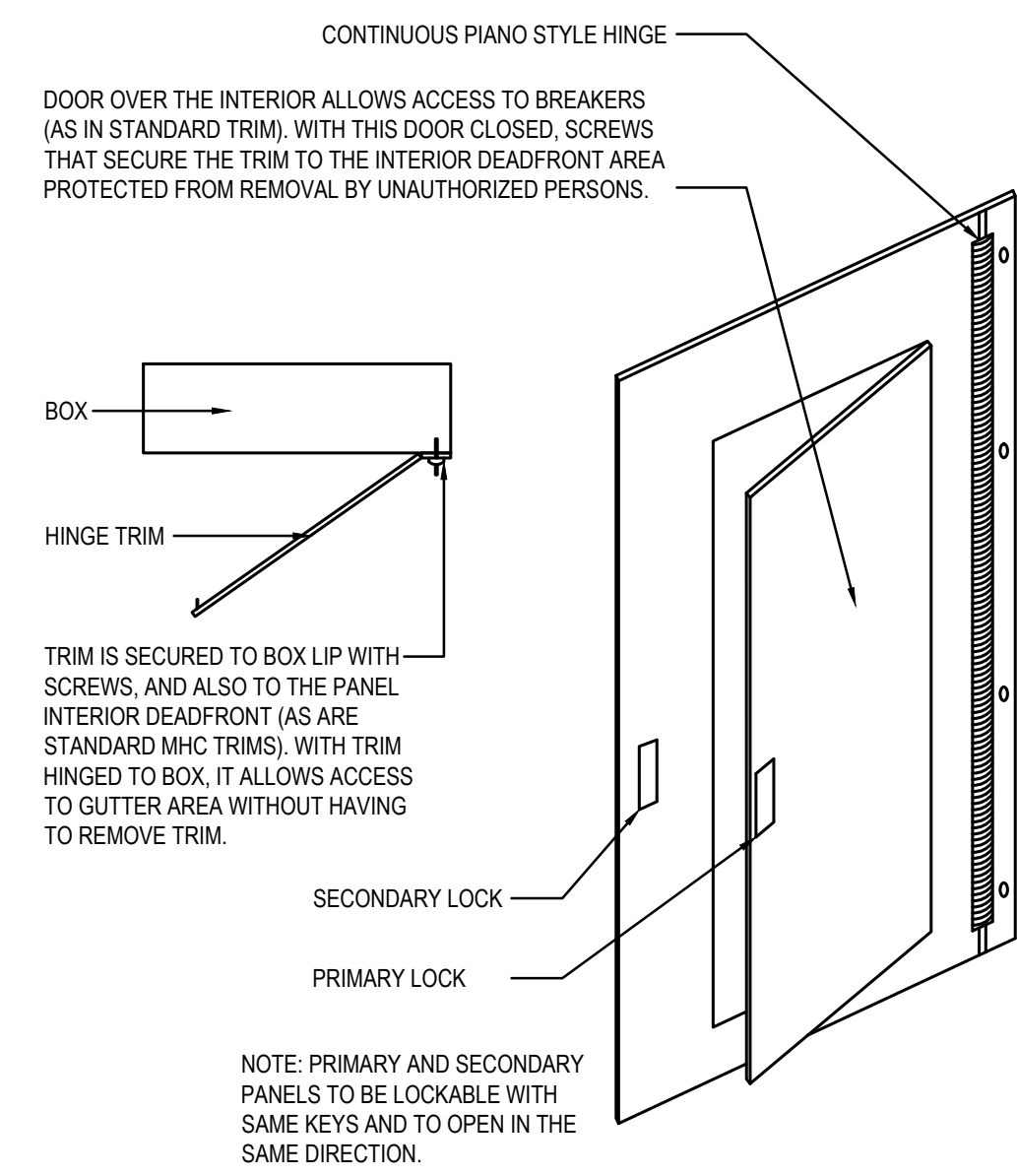
DRAWN JD	CHKD PP	PROJECT NO. 23020
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SHEET NO.
E-102

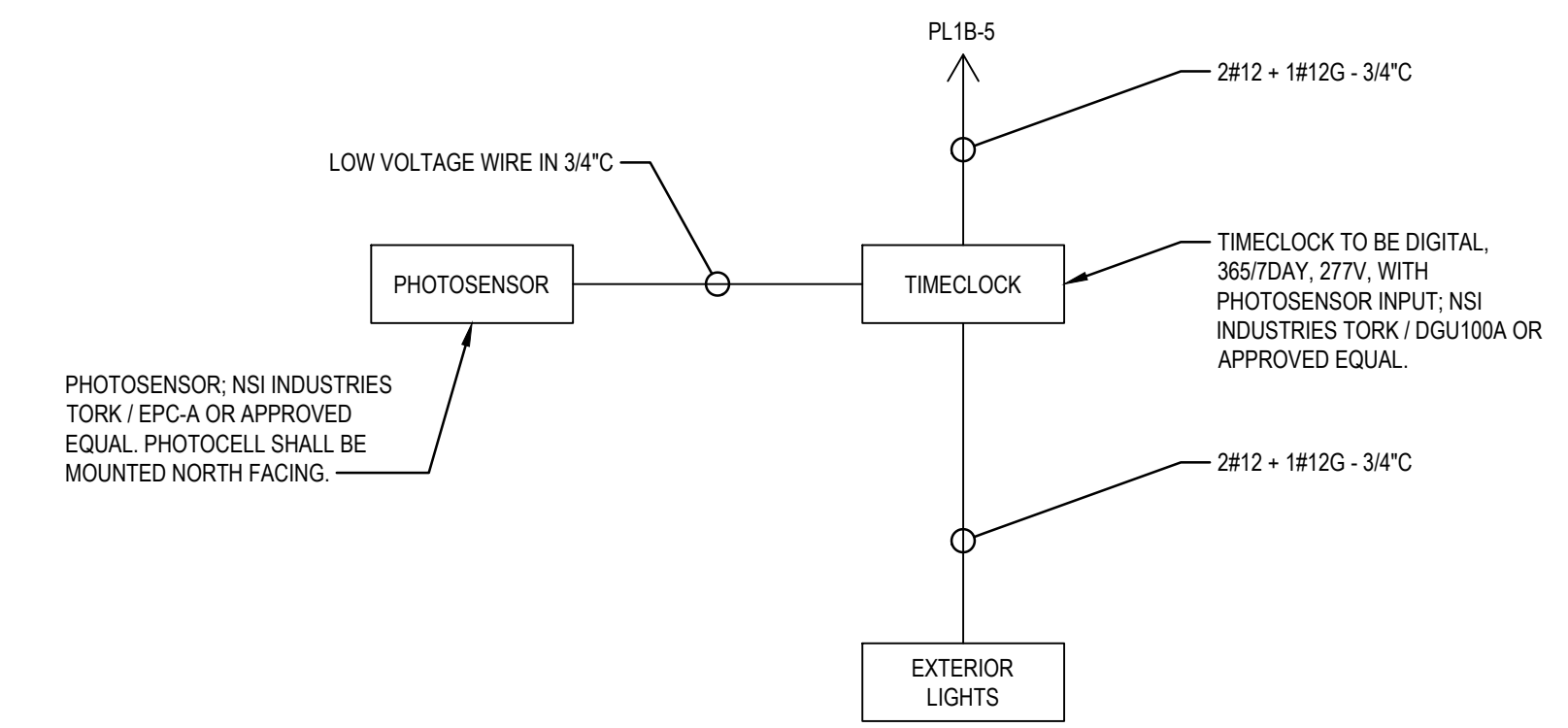
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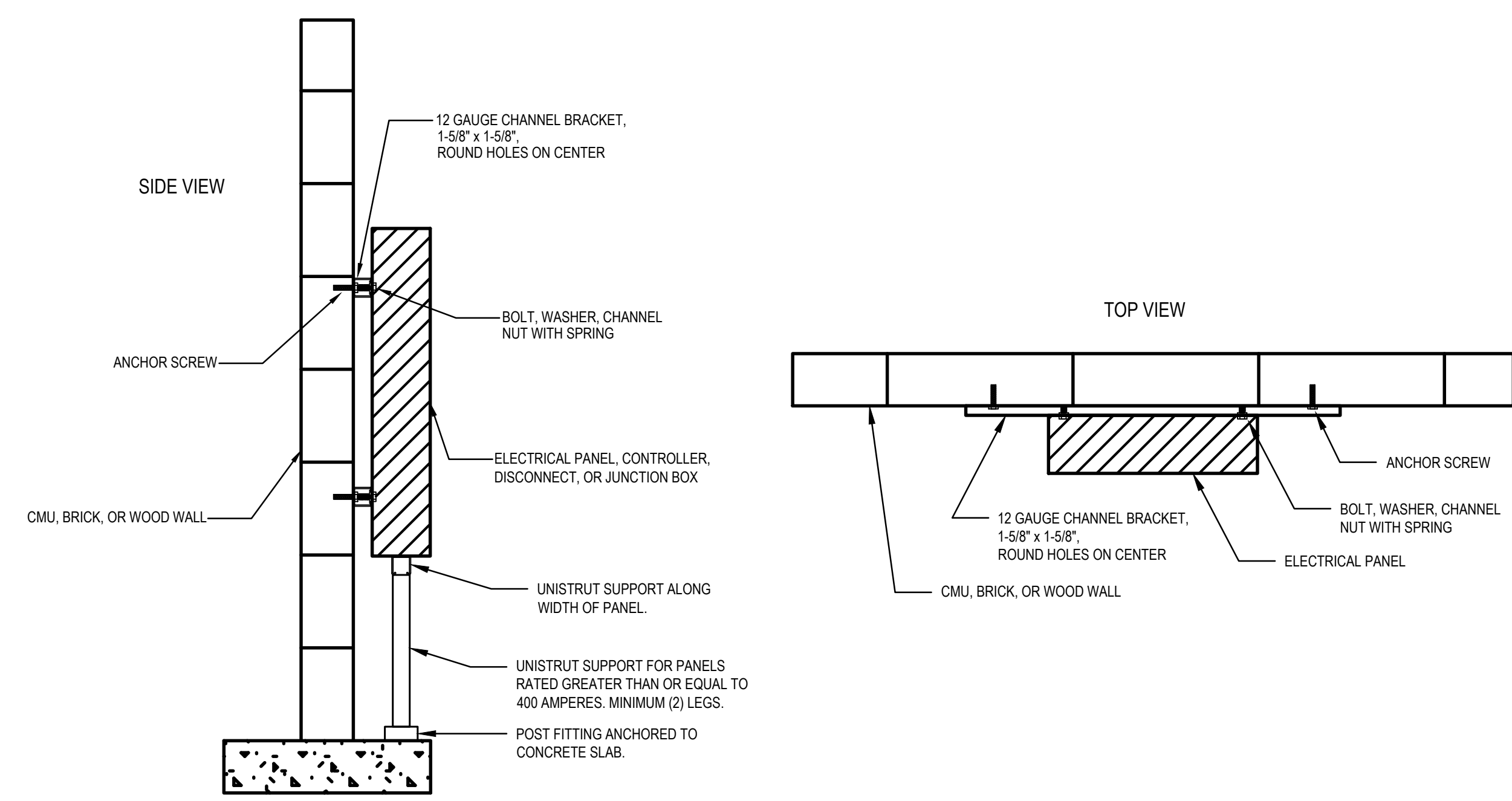
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E-500 SCALE: NOT TO SCALE



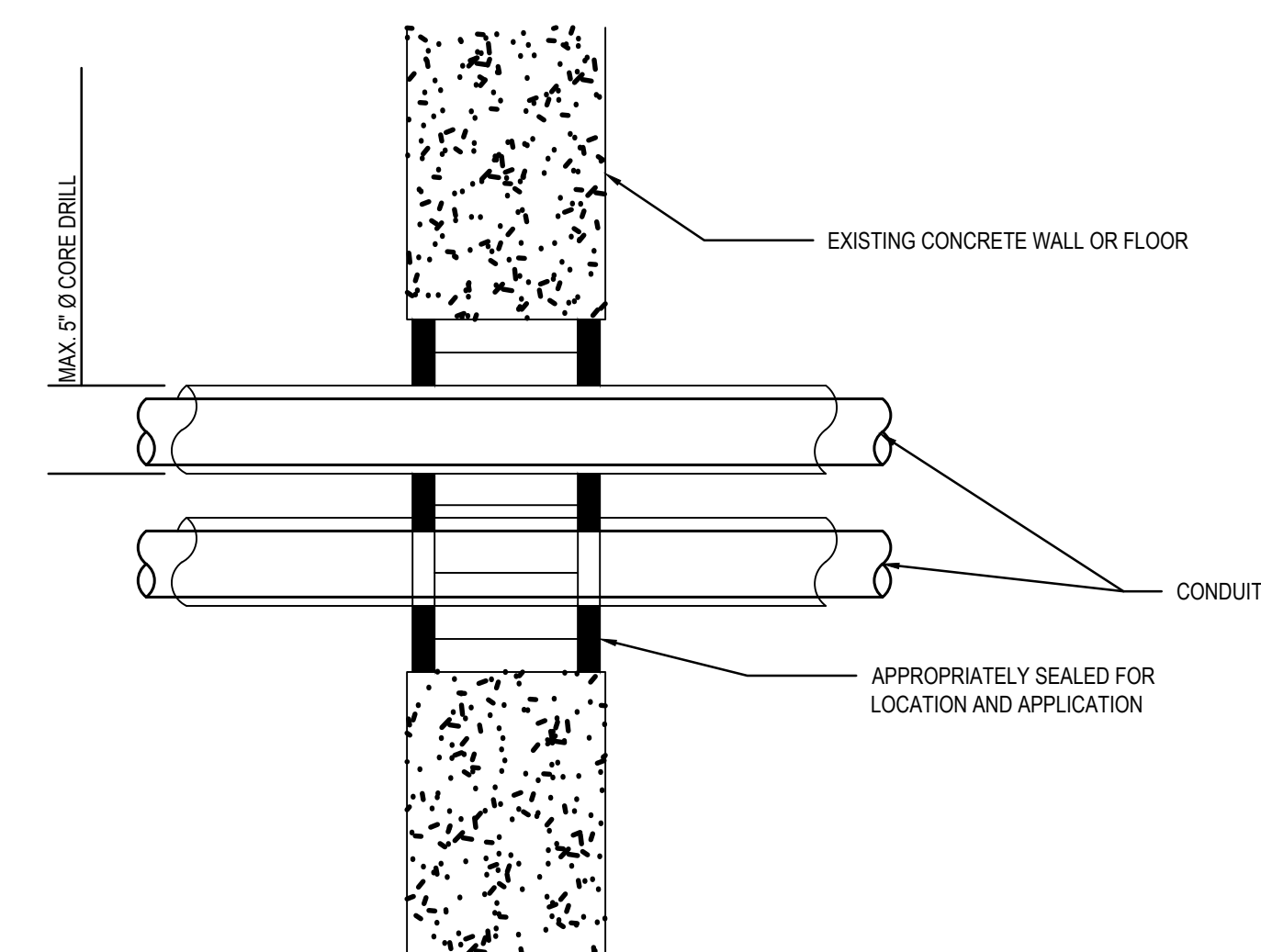
4 CUSTOM FULLY HINGED DOOR AND TRIM DETAIL
E-500 SCALE: NOT TO SCALE



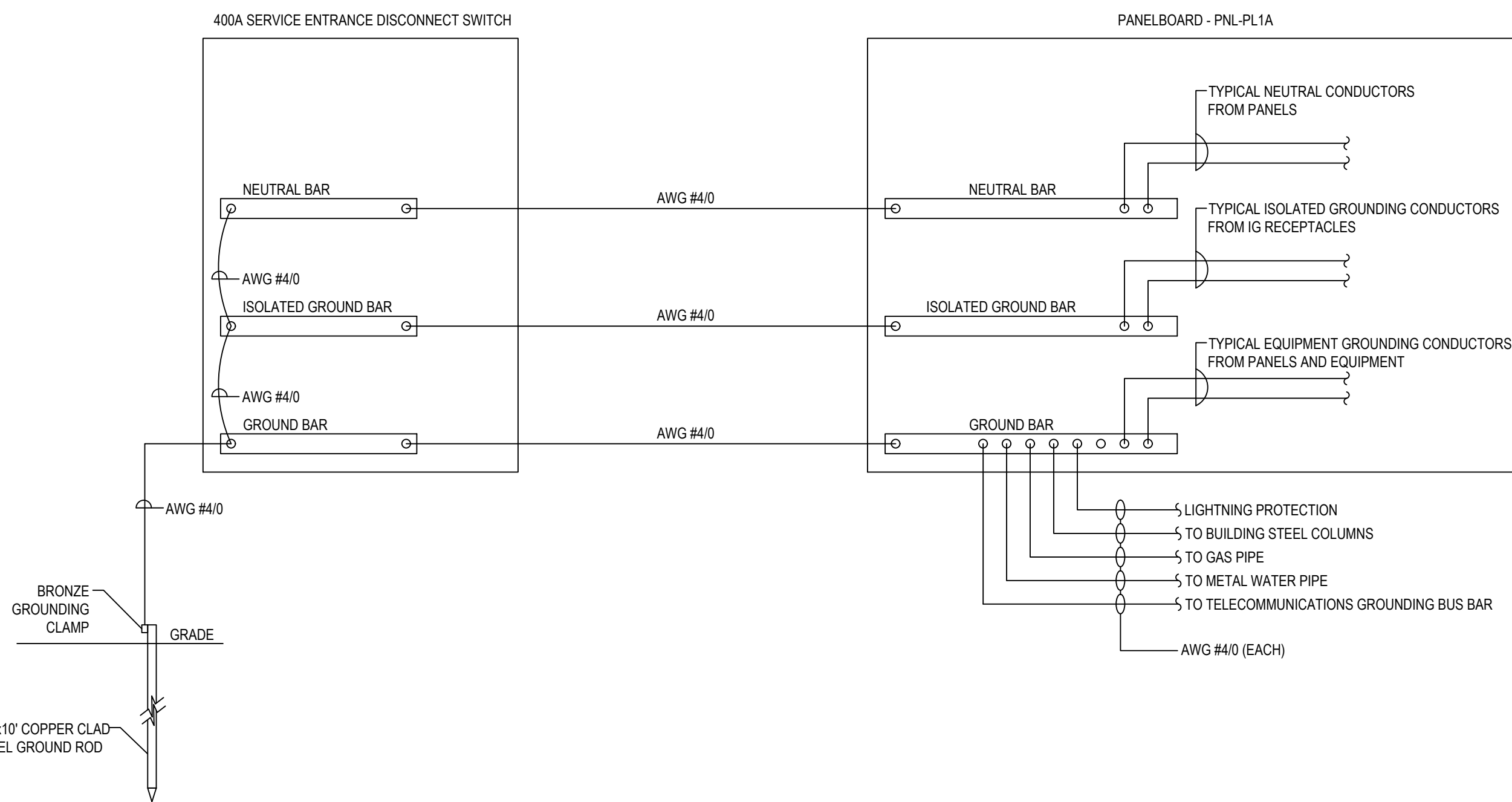
7 EXTERIOR LIGHTING CONTROL DIAGRAM
E-500 SCALE: NOT TO SCALE



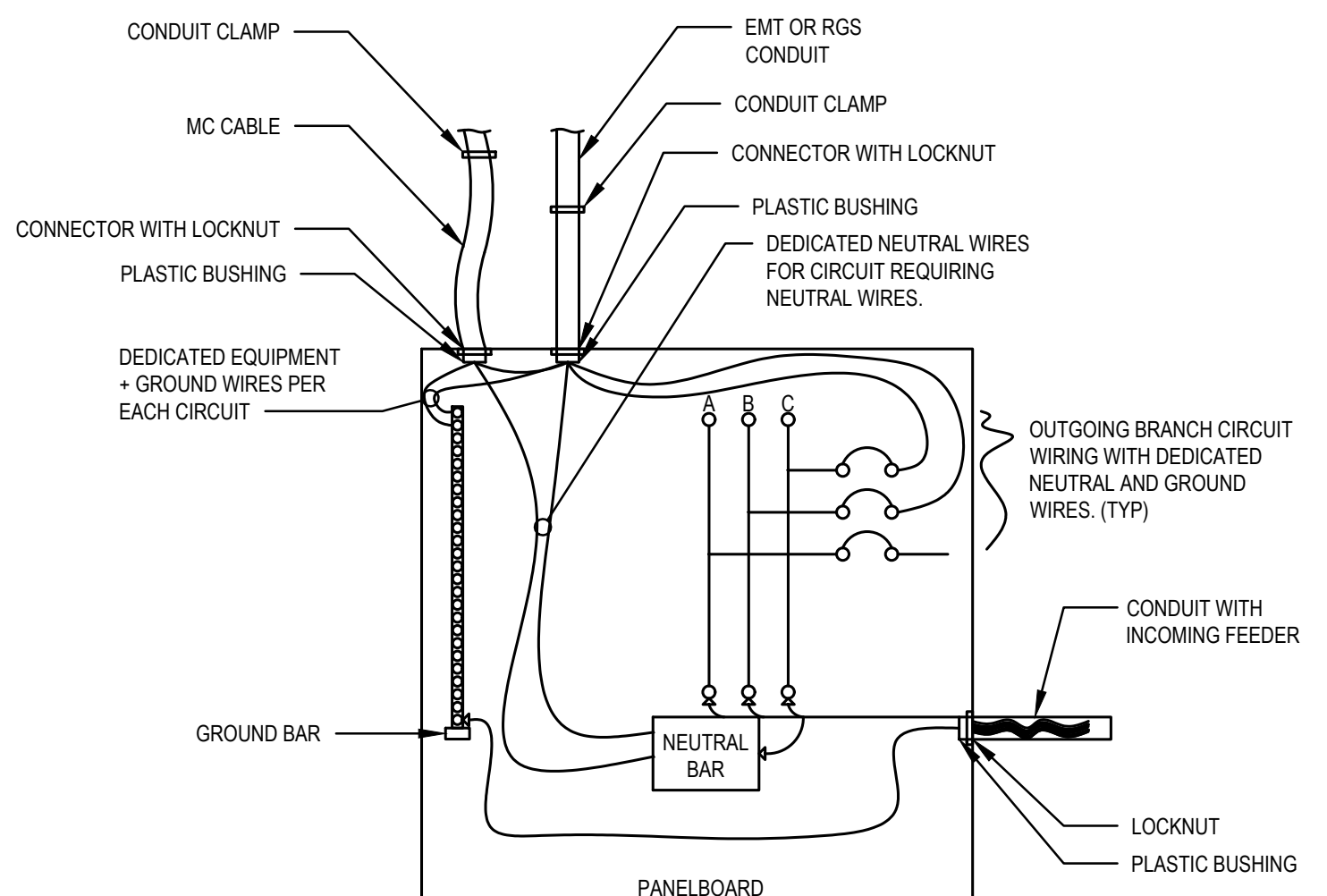
2 TYPICAL ELECTRICAL PANEL MOUNT DETAIL
E-500 SCALE: NOT TO SCALE



5 TYPICAL PENETRATION IN WALL OR FLOOR
E-500 SCALE: NOT TO SCALE

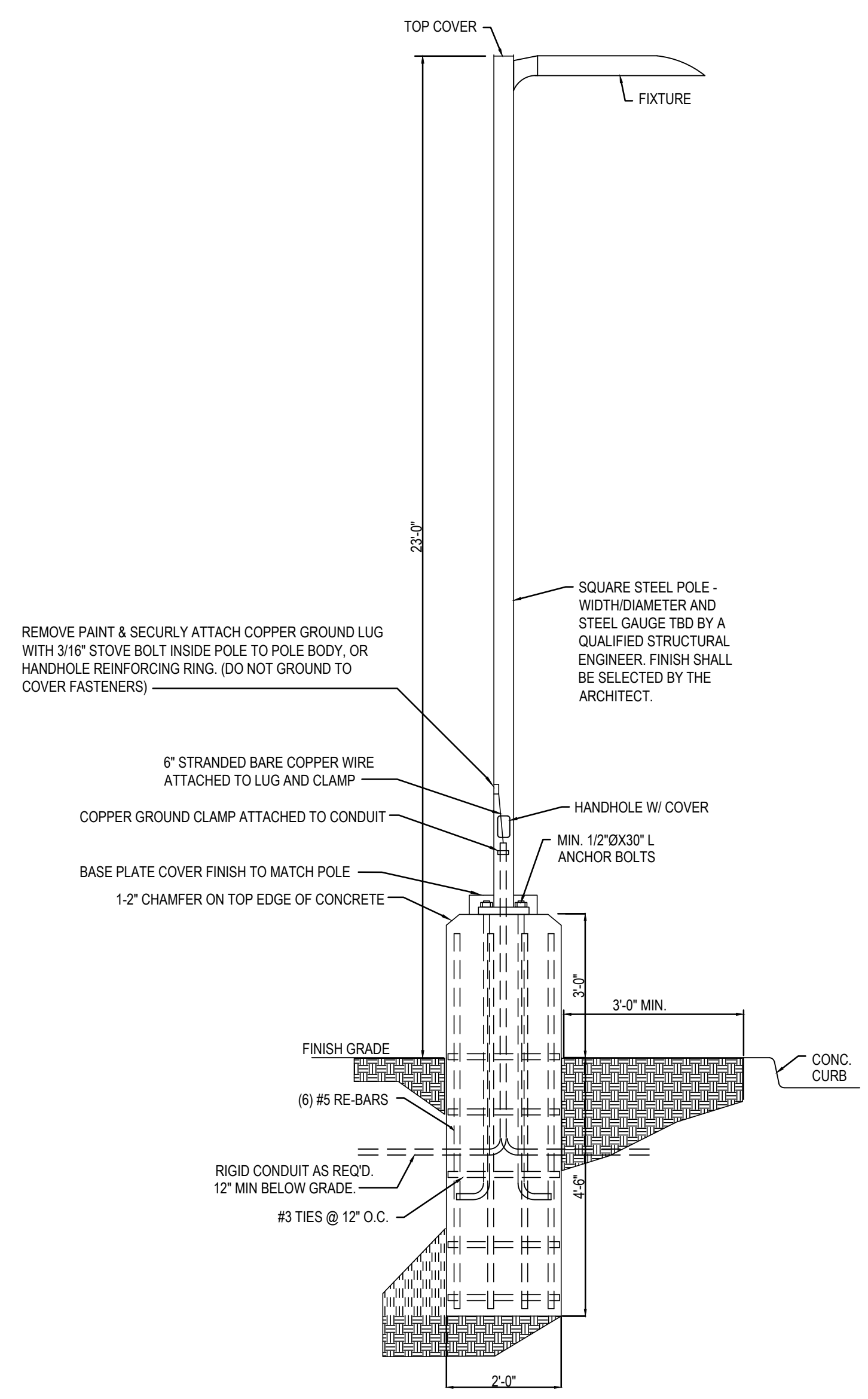


3 GROUNDING DETAIL
E-500 SCALE: NOT TO SCALE



- NOTES:
1. PROVIDE GROUND BAR WITH ADEQUATE TERMINALS FOR EQUIPMENT GROUND WIRES.
 2. DOUBLE LUGGING OF NEUTRAL OR EQUIPMENT GROUND WIRES IS NOT PERMITTED.
 3. NUMBER OF NEUTRAL AND EQUIPMENT GROUND WIRES VARY BY PANEL AND BRANCH CIRCUITS.

6 EQUIPMENT GROUND AND NEUTRAL WIRING IN PANELBOARD (TYP)
E-500 SCALE: NOT TO SCALE



- NOTES:
1. CONTRACTOR TO ENSURE DESIGN IS PREPARED BY A QUALIFIED STRUCTURAL ENGINEER CONSIDERING LIGHTING MANUFACTURER REQUIREMENTS, LOCAL WIND LOADS, SITE SPECIFIC SOIL PARAMETERS. ALL CONCRETE BASE DIMENSIONS ABOVE SHALL BE VERIFIED AND REVISED BY THE QUALIFIED STRUCTURAL ENGINEER TO ENSURE REQUIREMENTS ARE MET. ADDITIONALLY, POLE WIDTH/DIAMETER AND GAUGE OF STEEL, SHALL BE DETERMINED BY THE QUALIFIED STRUCTURAL ENGINEER AND CHANGES SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
 2. ALL REBAR SHALL HAVE A YIELD STRENGTH OF 50ksi AND MAINTAIN A 3" MIN CLEARANCE FROM SURFACES.

8 TYPICAL LIGHT POLE BASE DETAIL
E-500 SCALE: NOT TO SCALE

CONSULTANT

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ARCHITECT / ENGINEER SEAL

STATE OF DELAWARE
 DIVISION OF FACILITIES MANAGEMENT
 OMB/DFM # MJ1002000070A
EVIDENCE PROCESSING BUILDING
 AT THE
 SUSSEX COUNTY FIRE MARSHAL
 OFFICE OF THE STATE FIRE MARSHAL - 22705 PARK AVE
 GEORGETOWN, DE 19847

PROJECT

REVISIONS		
MARK	DESCRIPTION	DATE

SHEET TITLE

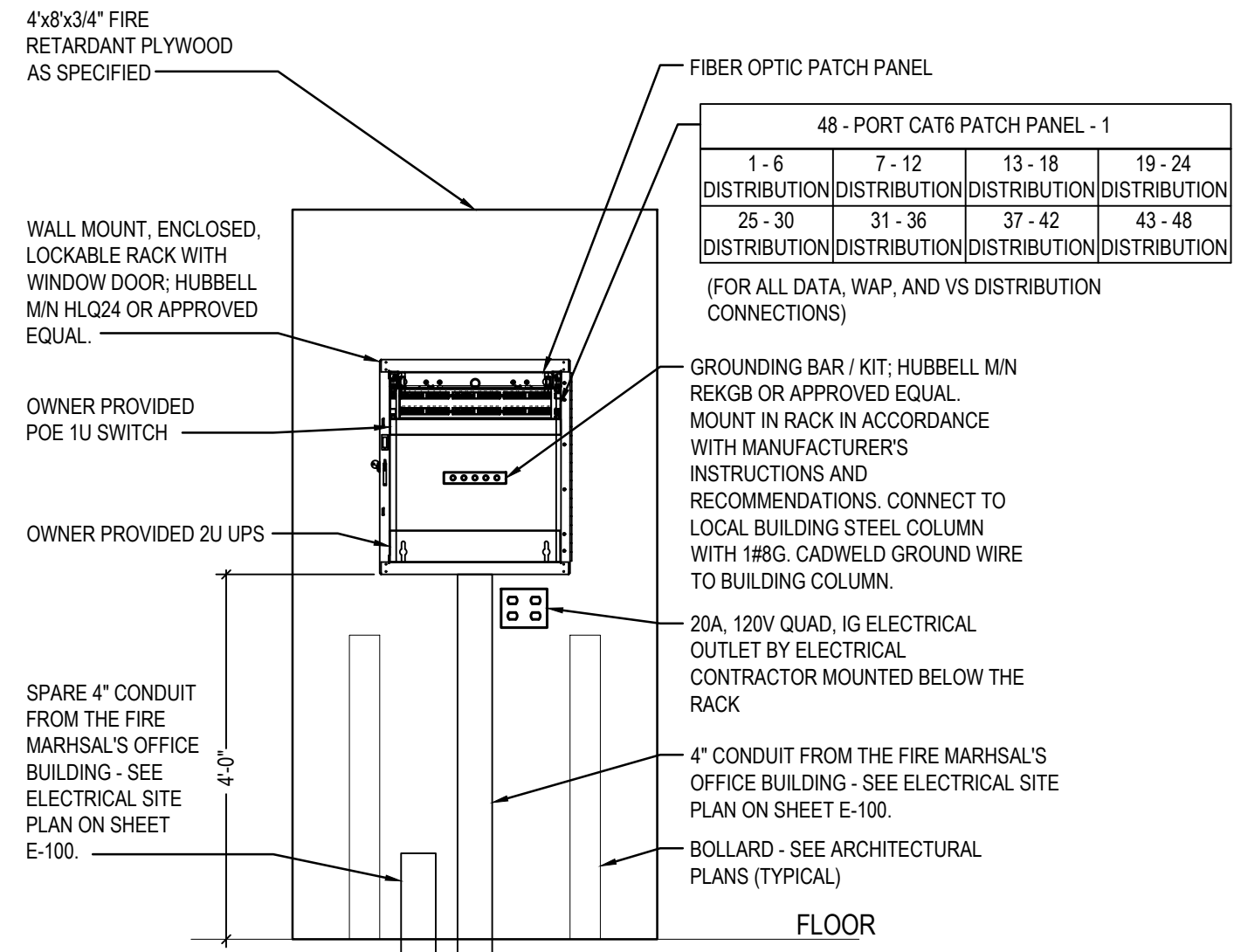
ELECTRICAL DETAILS

BID
 DOCUMENTS
 MARCH 18, 2024

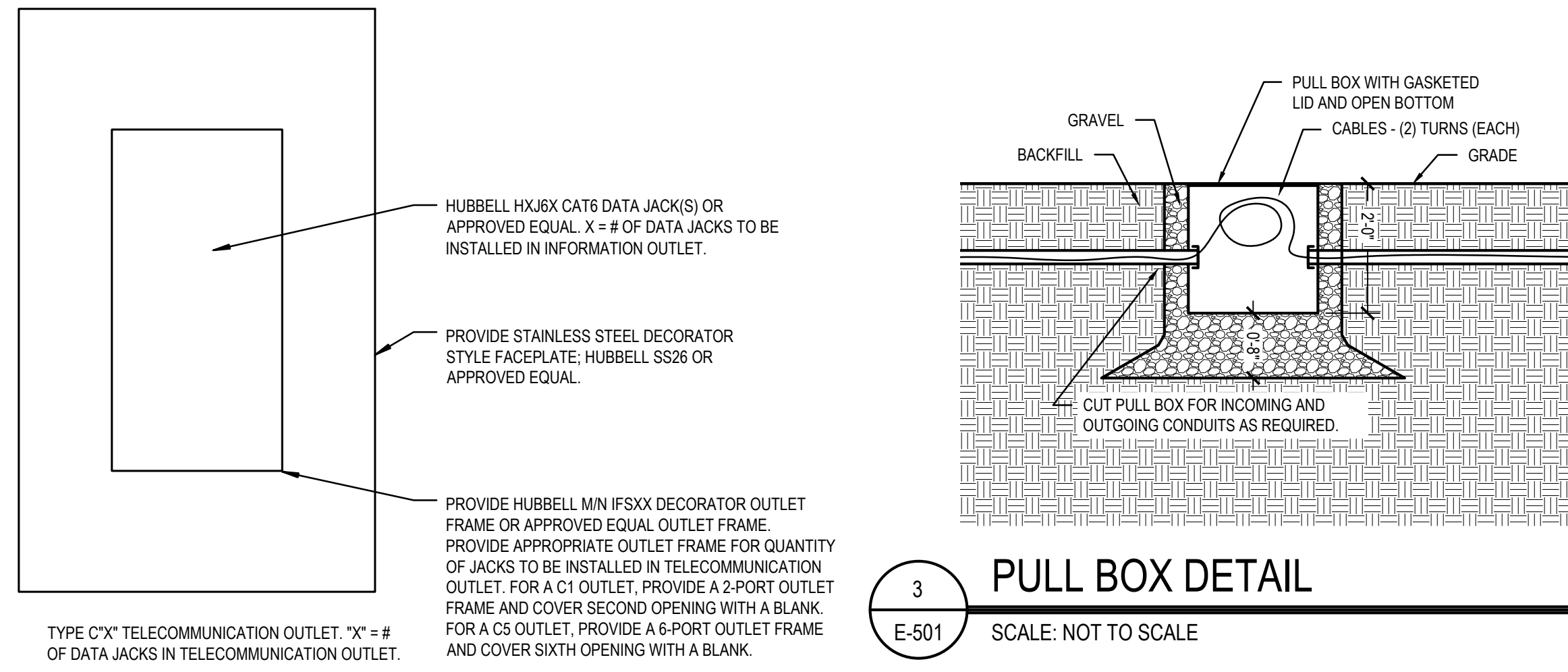
DRAWN	CHKD	PROJECT NO.
JD	JD	23020

SHEET NO.

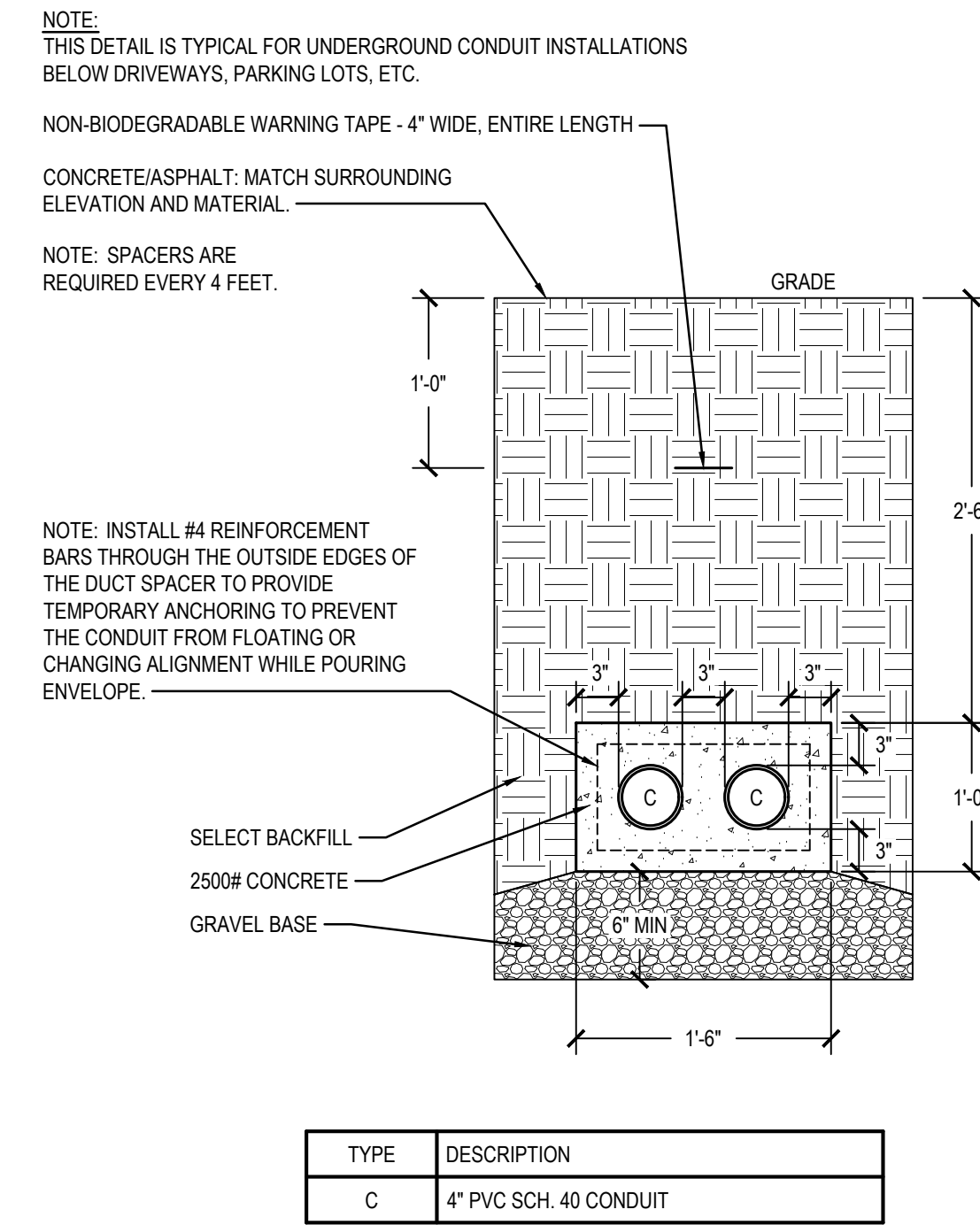
E-500



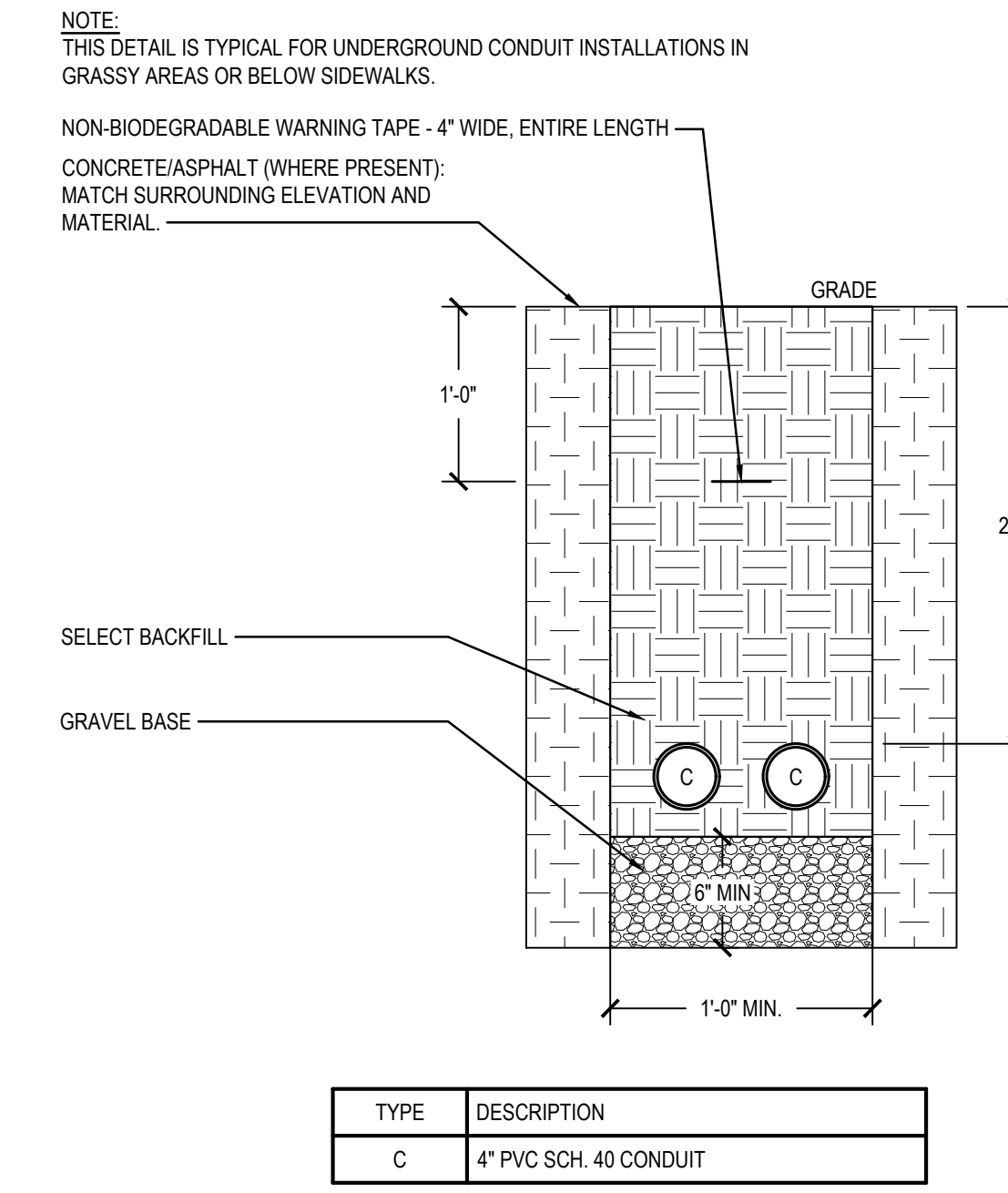
1 IDF-S DETAIL - RACK
E-501 SCALE: NOT TO SCALE



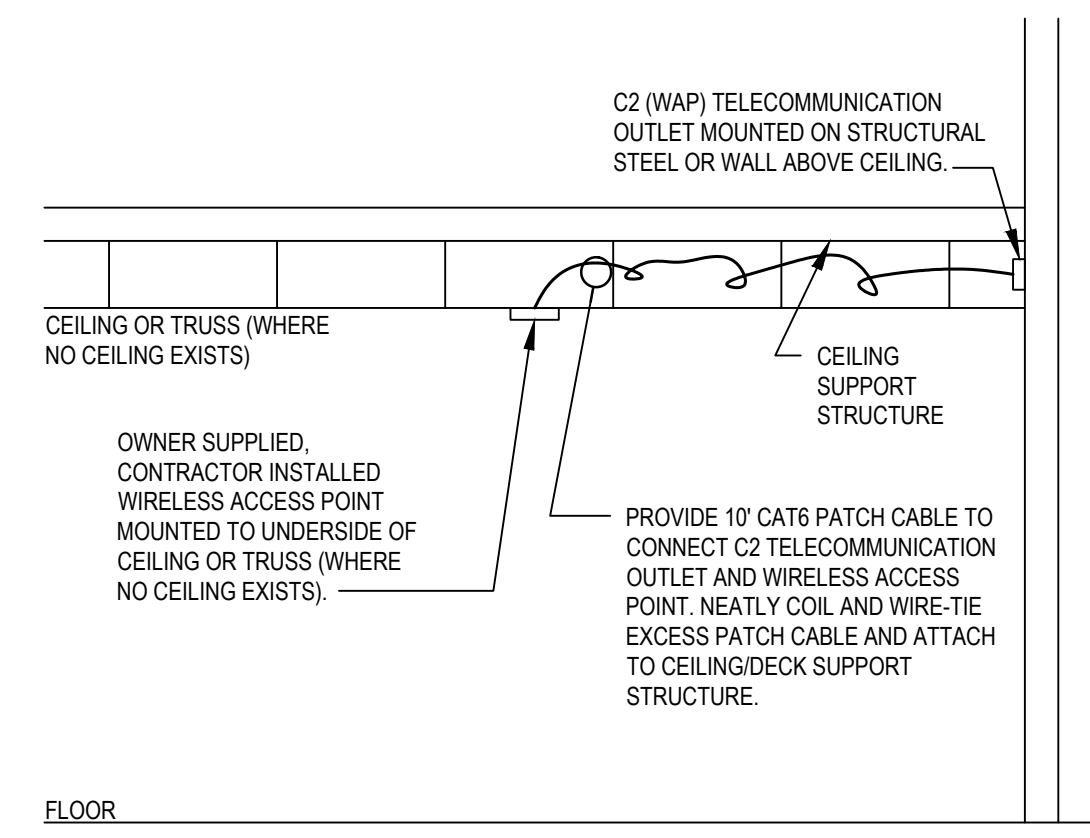
2 TYPE CX TELECOMMUNICATION OUTLET
E-501 SCALE: NOT TO SCALE



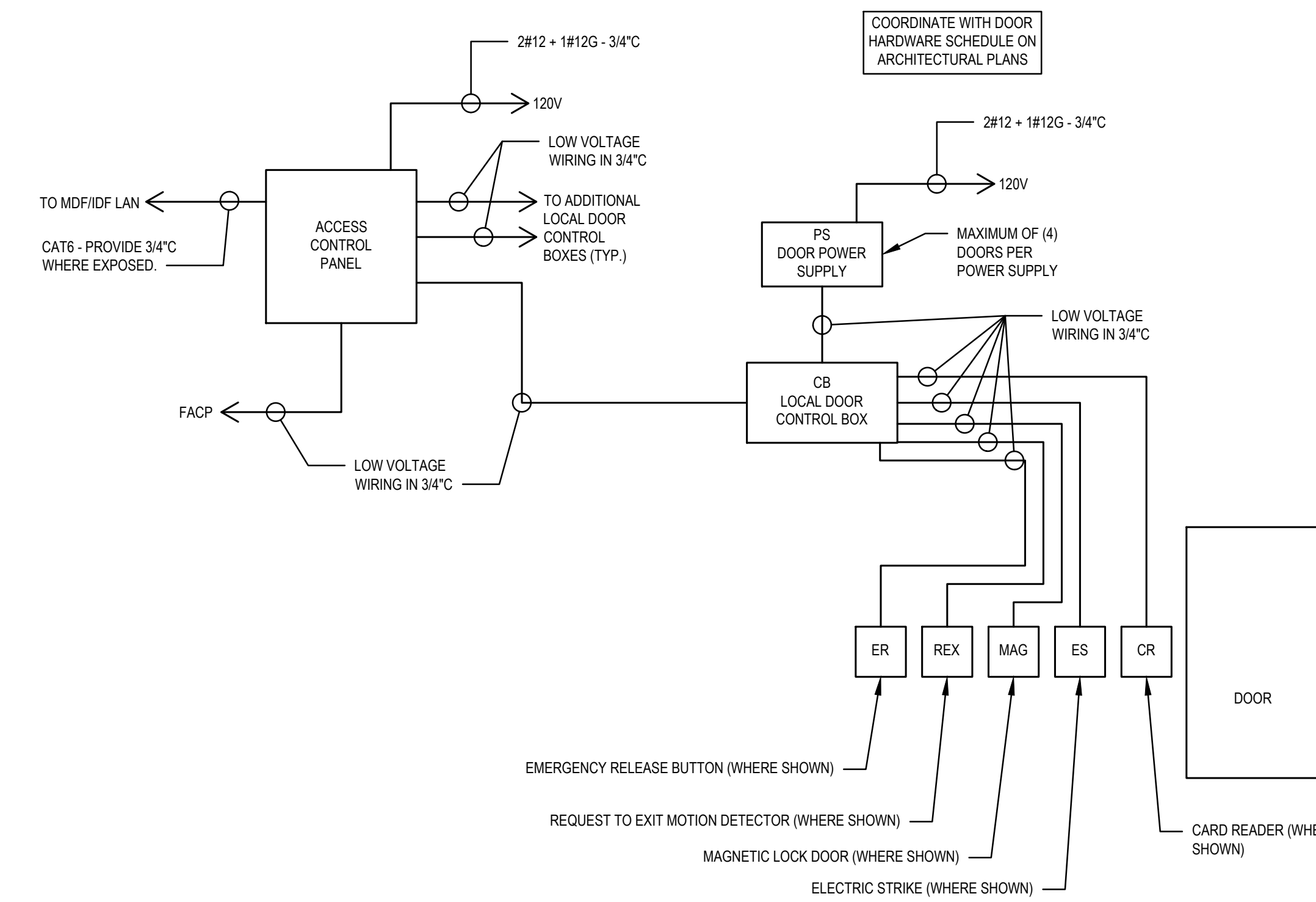
8 CONCRETE DUCT BANK DETAIL 1
E-501 SCALE: NOT TO SCALE



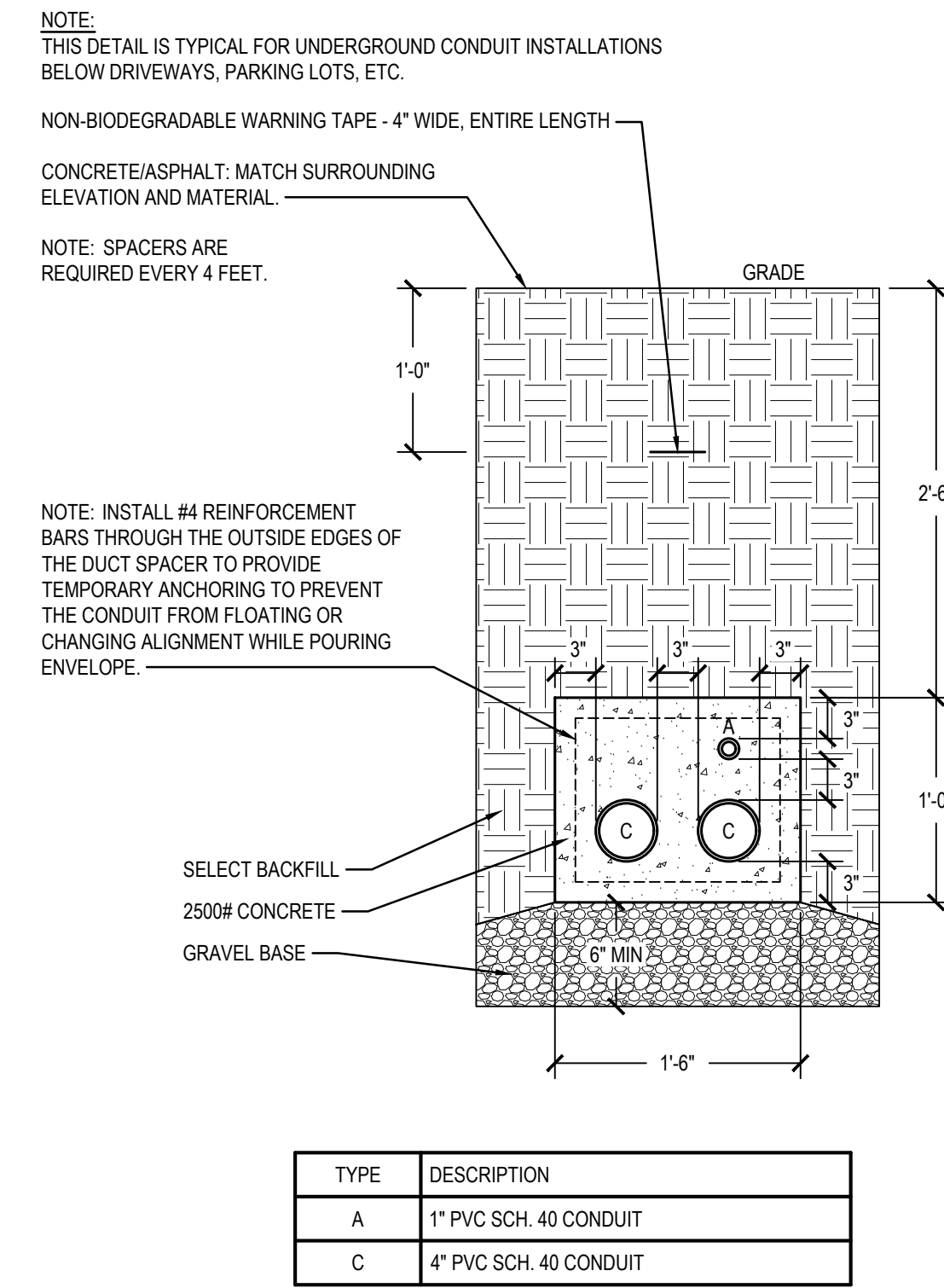
9 NON-CONCRETE DUCT BANK DETAIL 1
E-501 SCALE: NOT TO SCALE



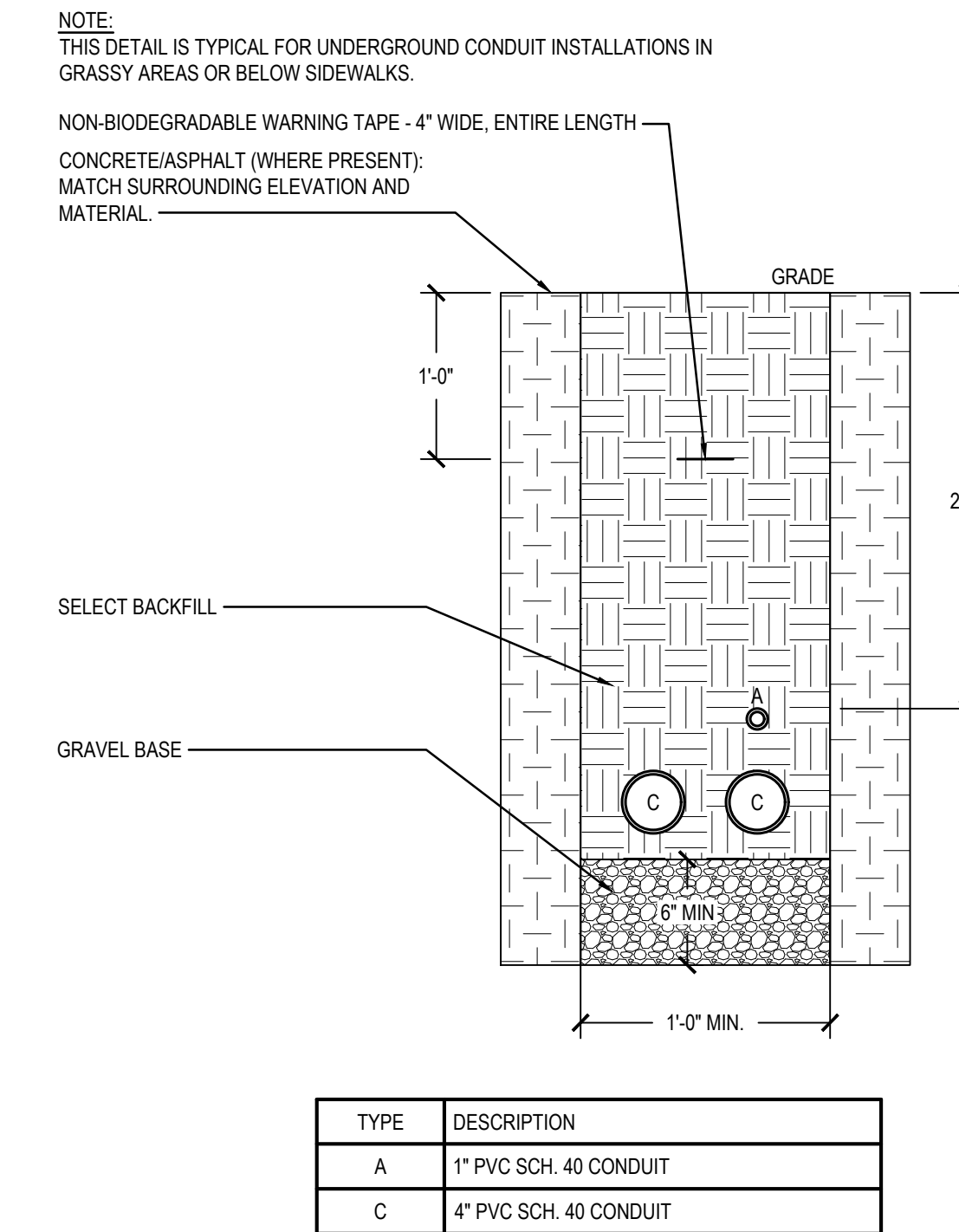
4 TYPICAL CEILING MOUNTED WIRELESS ACCESS POINT DETAIL
E-501 SCALE: NOT TO SCALE



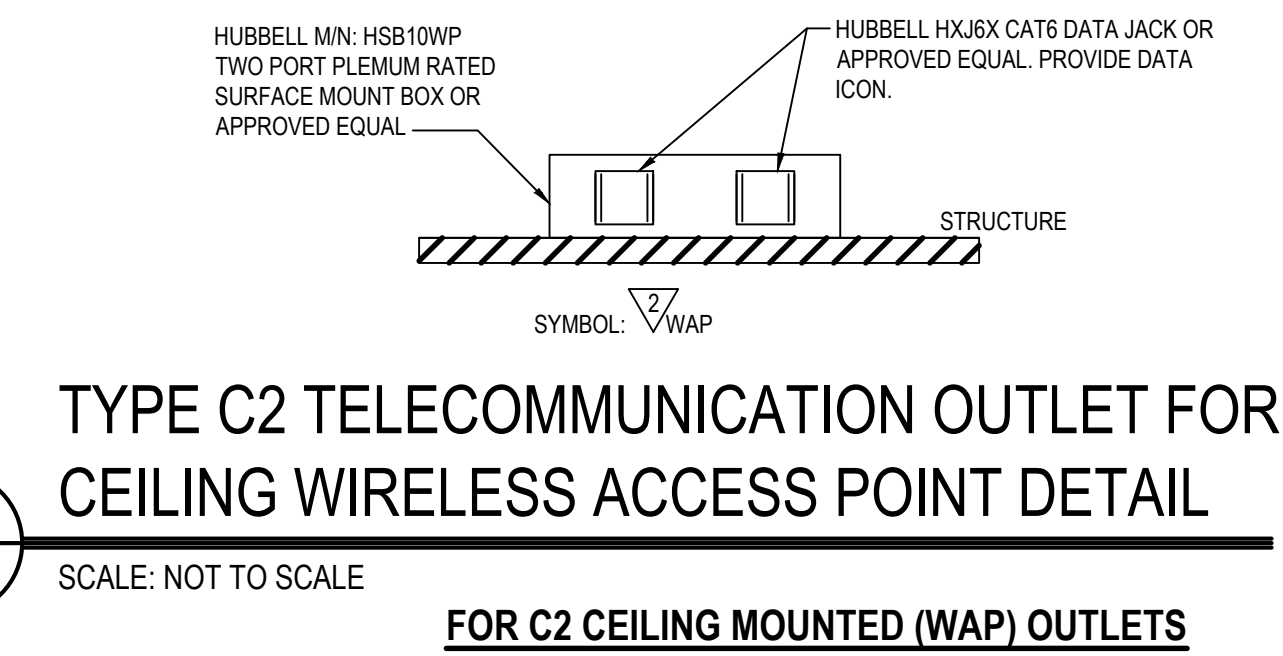
13 DOOR WIRING DIAGRAM
E-501 SCALE: NOT TO SCALE



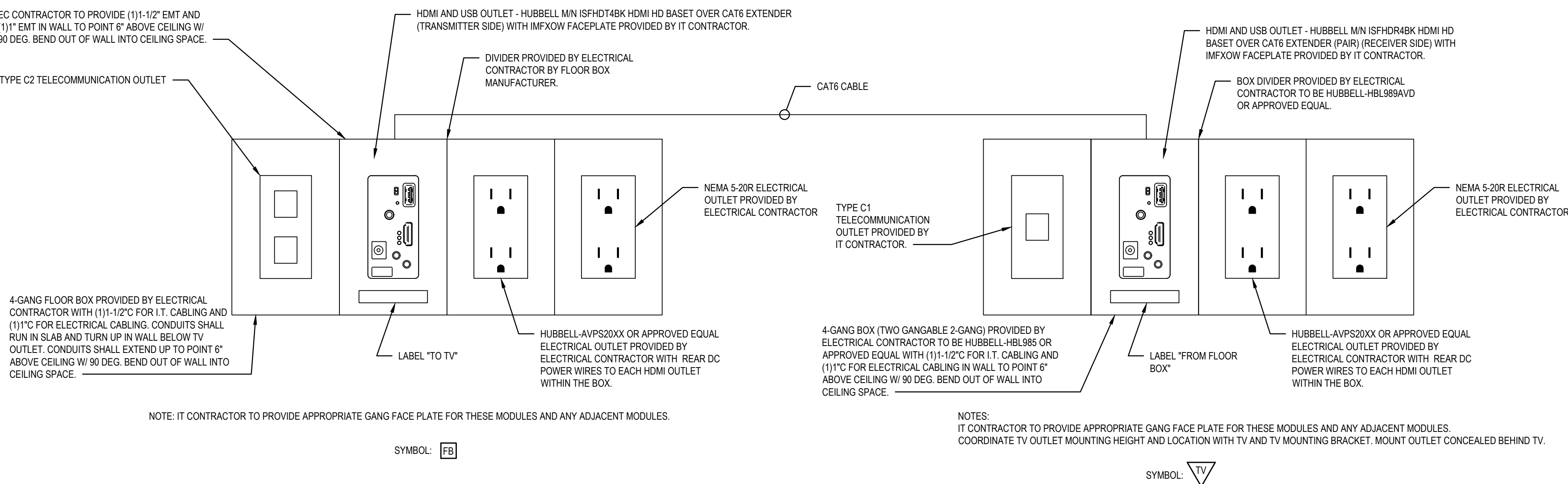
10 CONCRETE DUCT BANK DETAIL 2
E-501 SCALE: NOT TO SCALE



11 NON-CONCRETE DUCT BANK DETAIL 2
E-501 SCALE: NOT TO SCALE

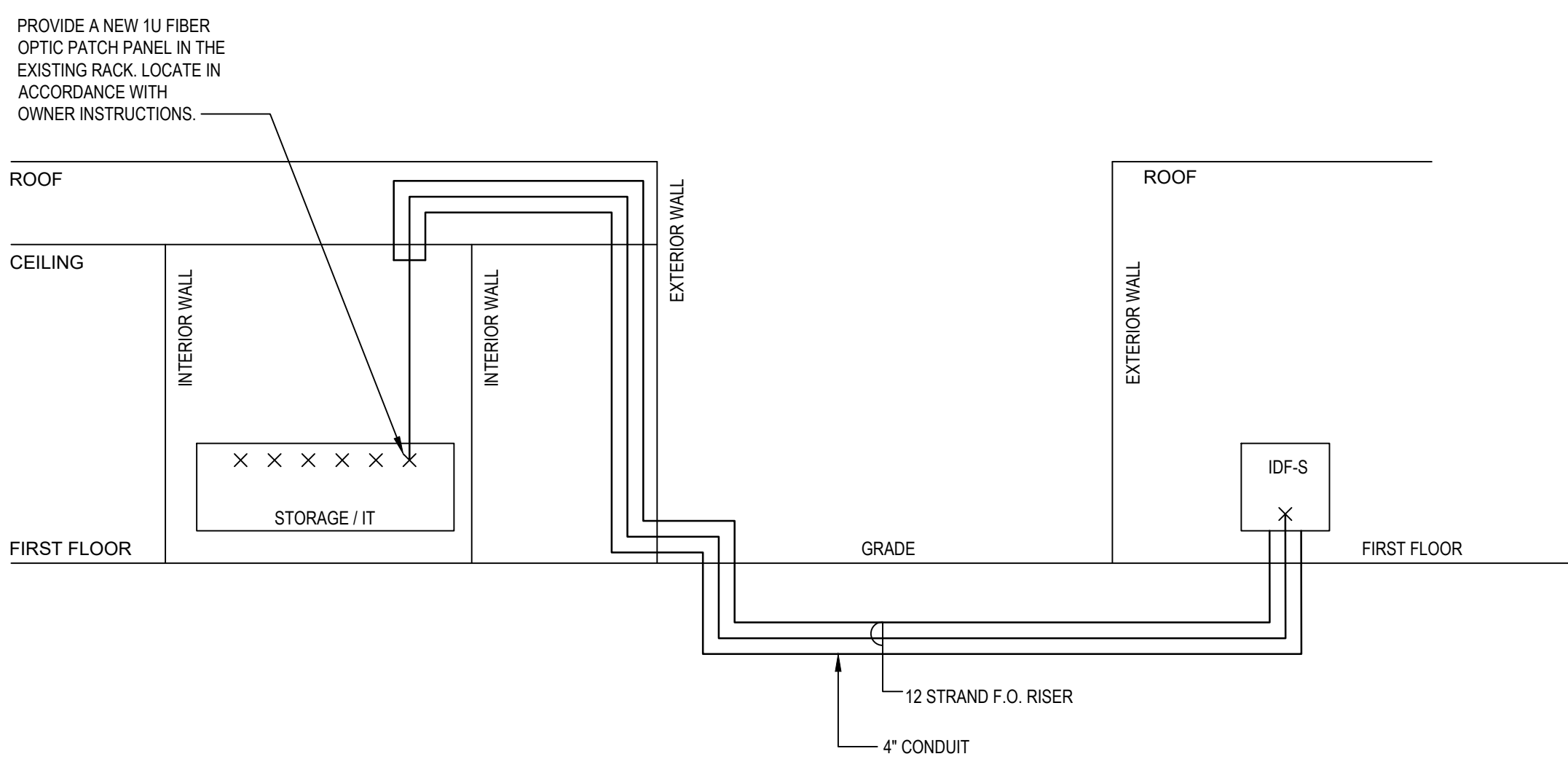


5 TYPE C2 TELECOMMUNICATION OUTLET FOR CEILING WIRELESS ACCESS POINT DETAIL
E-501 SCALE: NOT TO SCALE



6 FLOOR BOX OUTLETS DETAIL
E-501 SCALE: NOT TO SCALE

7 TV OUTLET DETAIL
E-501 SCALE: NOT TO SCALE



12 RISER DIAGRAM - FIBER OPTIC CABLING
E-501 SCALE: NOT TO SCALE

REVISIONS		
MARK	DESCRIPTION	DATE

SHEET TITLE

ELECTRICAL DETAILS

BID DOCUMENTS
MARCH 18, 2024

DRAWN	CHKD	PROJECT NO.
JD	JD	23020

SHEET NO.

E-501

NEW PANEL

Table with columns: PANEL (PL1A), LOCATION (NEW STORAGE BLDG), BUS (400A), MAIN (MLO), VOLTAGE (208Y/120V, 3PH, 4W), ENCLASURE (NEMA-1), A.I.C. (22,000), RATINGS (FULL). Rows include equipment descriptions like DHC-1, HP-1, HP-2, CVH-1/2, WH-1, etc., with associated kVA values and circuit breaker specifications.

- CONNECTED LOAD: PHASE A: 24.11 KVA, PHASE B: 25.25 KVA, PHASE C: 25.58 KVA, TOTAL CONNECTED LOAD = 74.94 KVA. Notes specify providing new circuit breakers for various equipment.

NEW PANEL

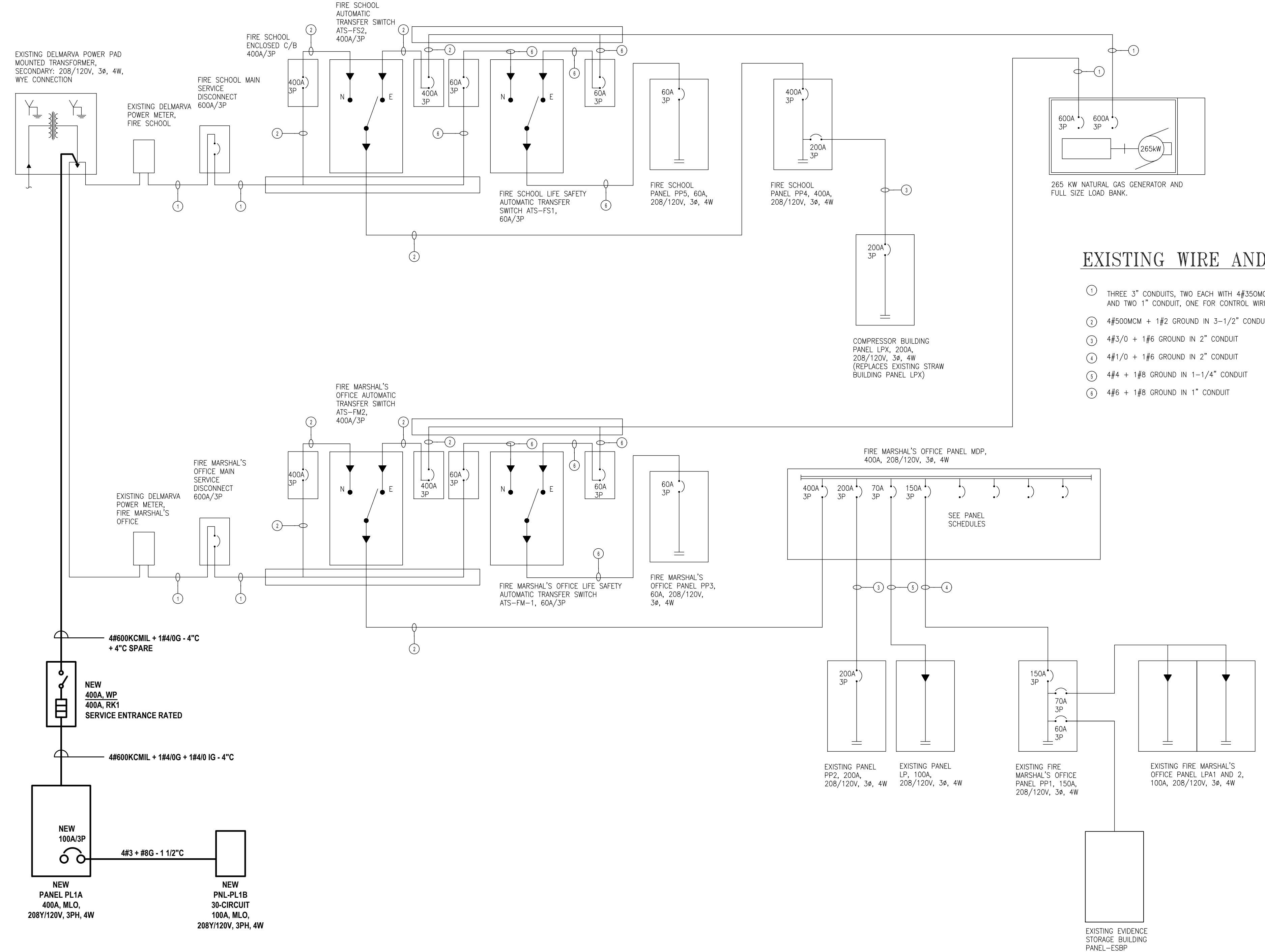
Table with columns: PANEL (PL1B), LOCATION (NEW STORAGE BLDG), BUS (100A), MAIN (MLO), VOLTAGE (208Y/120V, 3PH, 4W), ENCLASURE (NEMA-1), A.I.C. (14,000), RATINGS (FULL). Rows include equipment descriptions like LIGHTS, EXTERIOR LIGHTS, DOOR POWER SUPPLIES, etc., with associated kVA values and circuit breaker specifications.

- CONNECTED LOAD: PHASE A: 3.39 KVA, PHASE B: 3.27 KVA, PHASE C: 3.73 KVA, TOTAL CONNECTED LOAD = 10.39KVA. Note specifies providing new circuit breakers.

EXISTING PANEL

Table with columns: PANEL (ESBP), LOCATION (EXISTING EVIDENCE STORAGE BLDG), BUS (125A), MAIN (60A MCB), VOLTAGE (208Y/120V, 3PH, 4W), ENCLASURE (NEMA-1), A.I.C. (10,000), RATINGS (MFR). Rows include descriptions of existing equipment like LIGHTS, RECEPT, EXISTING LOAD, etc., with associated kVA values and circuit breaker specifications.

- CONNECTED LOAD: PHASE A: __ KVA, PHASE B: __ KVA, PHASE C: __ KVA, TOTAL CONNECTED LOAD = __ KVA. Notes specify reusing existing circuit breakers and providing new ones.



ELECTRICAL SINGLE LINE DIAGRAM

SCALE: NOT TO SCALE

- SINGLE LINE DIAGRAMS NOTES: ALL CIRCUIT BREAKERS AND DISCONNECT SWITCHES ARE 3 POLES UNLESS NOTED OTHERWISE. ALL FEEDER CIRCUIT BREAKERS 400A AND GREATER SHALL HAVE ELECTRONIC TRIP INCLUDING LONG, SHORT, AND INSTANTANEOUS SETTINGS. ALL ELECTRICAL EQUIPMENT ARE EXISTING UNLESS NOTED OTHERWISE.

STUDIOJAED ARCHITECTS & ENGINEERS FACILITIES SOLUTIONS. Includes contact information for Delaware and Maryland offices.

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ARCHITECT / ENGINEER SEAL. STATE OF DELAWARE OMBI / DFM # MJ1002000070A.

PROJECT: STATE OF DELAWARE OMBI / DFM # MJ1002000070A. AT THE EVIDENCE PROCESSING BUILDING.

SUSSEX COUNTY FIRE MARSHAL'S OFFICE OF THE STATE FIRE MARSHAL - 22705 PARK AVE GEORGETOWN, DE 19847.

REVISIONS table with columns for MARK, DESCRIPTION, and DATE.

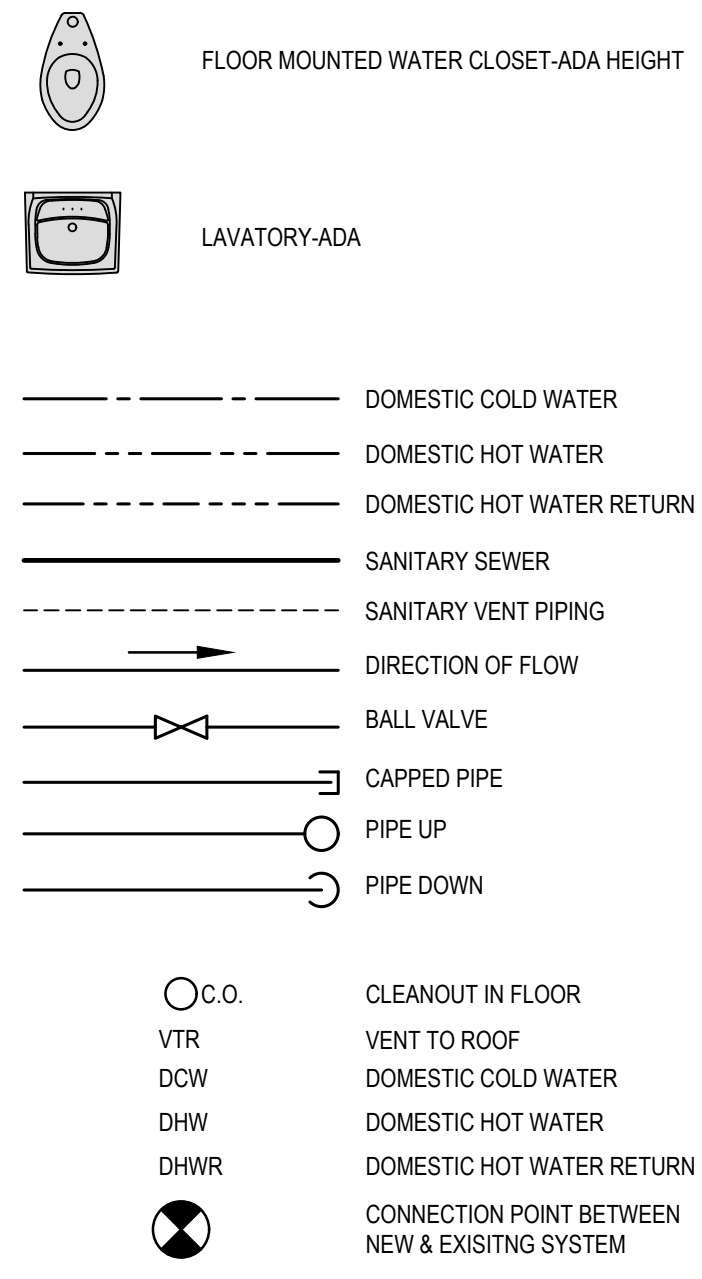
SHEET TITLE: ELECTRICAL PANEL SCHEDULES AND SINGLE LINE DIAGRAM.

BID DOCUMENTS. MARCH 18, 2024. DRAWN: JD, CHKD: JD, PROJECT NO: 23020. SHEET NO: E-600.

GENERAL PLUMBING NOTES

- SEE THE ARCHITECTURAL DRAWINGS FOR INFORMATION ON THE SCOPE OF CONSTRUCTION.
- COLLECT FIXTURE VENTS IN VENT HEADER ABOVE CEILING AND CONNECT TO CLOSEST EXISTING VTR OR BRANCH VENT (OF THE SAME OR LARGER SIZE).
- FOR ALL EQUIPMENT REQUIREMENTS, REFER TO SPECIFICATIONS, PLUMBING SCHEDULE OR DRAWINGS. CONTRACTOR SHALL NOT INSTALL EQUIPMENT/MATERIALS UNTIL SAME IS APPROVED.
- INSTALL WATER HAMMER ARRESTORS IN DOMESTIC WATER PIPING AS REQUIRED PER P.D.I. WH-201 STANDARDS FOR WATER HAMMER ARRESTORS.
- PROVIDE TRAPS FOR ALL PLUMBING EQUIPMENT CONNECTIONS AND/OR IN ANY SANITARY PIPING AS REQUIRED BY THE APPLICATION.
- PRIOR TO SUBMITTING BID, THE CONTRACTOR/BIDDER SHALL VISIT THE SITE AND BE THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS AND PROPOSED CONSTRUCTION. CONTRACTOR/BIDDER SHALL INCLUDE IN THEIR BID ALL MATERIALS, LABOR AND ALL INCIDENTALS FOR A COMPLETE INSTALLATION WHETHER SPECIFICALLY INDICATED OR NOT. ALL ERRORS, DISCREPANCIES AND MISSED ITEMS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER DURING THE BIDDING PROCESS BY THE CONTRACTOR/BIDDER. THESE ITEMS SHALL BE INCLUDED IN THE BID PRICE. NO EXTRA COST WILL BE ALLOWED FOR ANY DISCREPANCY WHICH COULD HAVE BEEN NOTICED AT THE SITE BY THE CONTRACTOR/BIDDER.
- ALL INSTALLATIONS SHALL COMPLY WITH ALL CODES OR REGULATIONS, LOCAL, STATE, OR NATIONAL HAVING JURISDICTION OVER THE PROJECT.
- ALL FIXTURES AND PIPING INSTALLATIONS SHALL BE PROPERLY BRACED, RIGIDLY SUPPORTED, AND INSTALLED WITH ADEQUATE VIBRATION ISOLATION AND INSULATION.
- PROVIDE ALL LABOR, MATERIALS, AND INSTALLATION APPARATUS TO INSURE A COMPLETE OPERATING SYSTEM IMPLIED BY DRAWING CONTENT AND AS SPECIFIED.
- THOROUGHLY COORDINATE ALL PLUMBING INSTALLATIONS WITH WORK OF OTHER CONSTRUCTION DISCIPLINES.
- SEAL ALL RESPECTIVE WALL, FLOOR, AND CEILING/ROOF PENETRATIONS AS APPROPRIATE TO MAINTAIN A WEATHER TIGHT ENCLOSURE, FIRE BARRIER, SMOKE BARRIER, ETC. AS APPLICABLE. REFER TO ARCHITECTURE PLANS FOR SMOKE AND FIRE BARRIERS/PARTITIONS.
- CONTRACTOR TO PAY FOR ALL FEES AND PERMITS ASSOCIATED WITH PLUMBING WORK INDICATED AS NECESSARY TO SECURE A COMPLETE AND OPERATIONAL SYSTEM ON SCHEDULE AND IN A TIMELY MANNER.
- CONNECT DHW, DCW, DHWR VENT, AND SOIL & WASTE LINES TO FIXTURES WITH SIZES INDICATED ON FIXTURE SCHEDULE.
- RUN 2" MINIMUM SIZES SOIL & WASTE PIPING BELOW GROUND INSIDE BUILDING REGARDLESS OF SIZE ON FIXTURE CONNECTION SCHEDULE.
- ALL DIMENSIONS AND PIPE SIZES ARE IN INCHES, UNLESS NOTED OTHERWISE.
- FURNISH AND INSTALL ACCESS PANELS WHERE REQUIRED FOR ACCESS TO ALL CONCEALED VALVES, TRAPS, OR OTHER EQUIPMENT FURNISHED UNDER THIS CONTRACT WHERE NO OTHER MEANS IS AVAILABLE.
- INSTALL ALL SHUT-OFF AND ISOLATION VALVES (WITH ACCESS PANELS IF NECESSARY) IN A LOCATION WHICH IS ACCESSIBLE FROM THE MAIN FLOOR.
- CONTRACTOR TO PROVIDE SHUT-OFF VALVES AT ALL DEVICES.
- KEEP ALL OPENINGS IN PIPES OR FITTINGS PLUGGED OR CAPPED UNTIL CONNECTED.
- SLOPE ALL DWV LINES 1/4" PER FOOT (3" AND ABOVE), 1/2" PER FOOT (2" AND BELOW).
- INSTALL ALL FIXTURES, AS SPECIFIED, WITH SUPPLY STOPS.
- INSTALL WASTE AND SUPPLY GUARDS UNDER ALL LAVS-SEE FIXTURE SCHEDULE.
- MAINTAIN RECORD DRAWINGS ON SITE. RECORD SET MUST BE COMPLETE, CURRENT AND AVAILABLE FOR INSPECTION WHEN REQUISITIONS FOR PAYMENT ARE SUBMITTED.

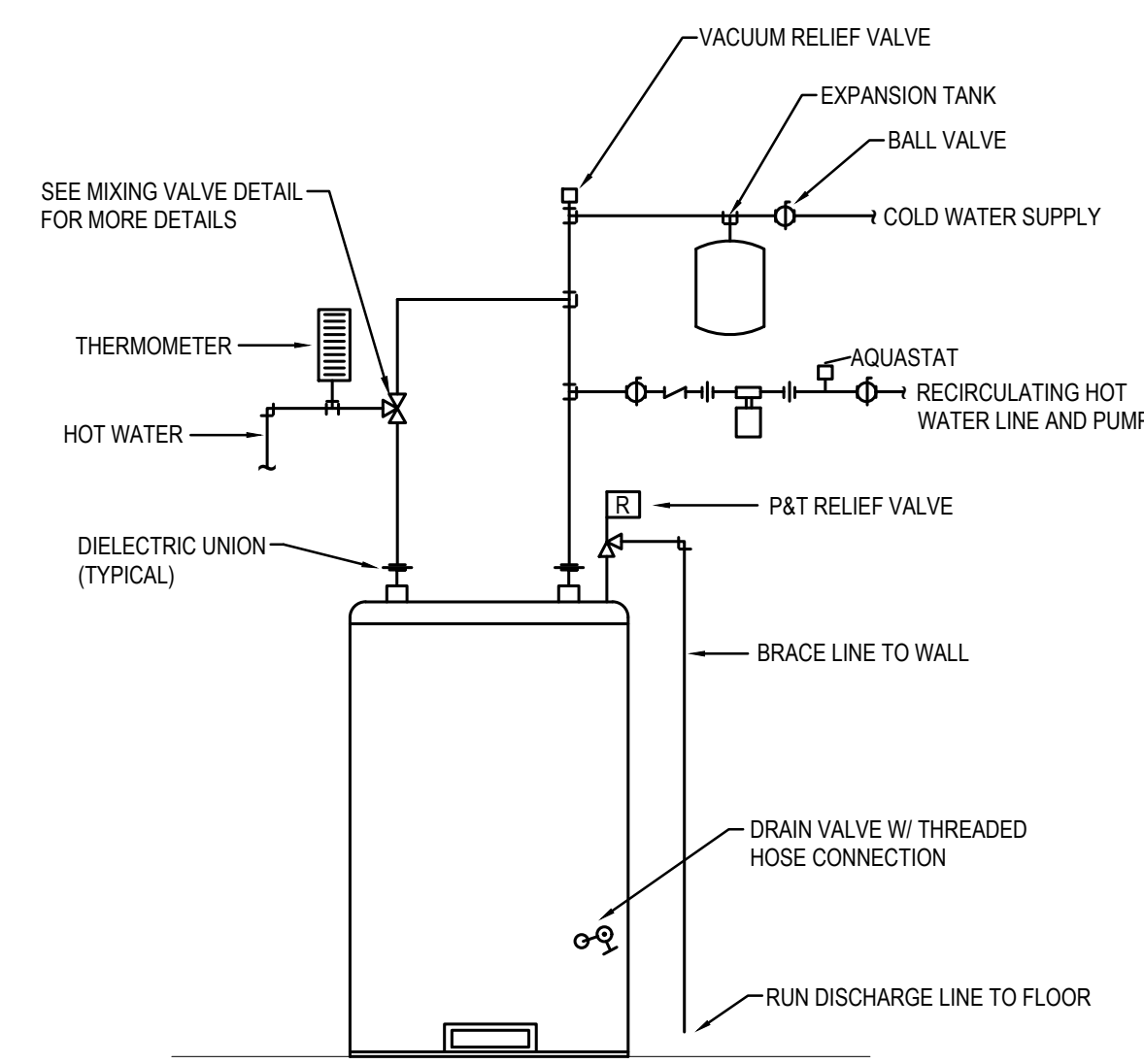
PLUMBING LEGEND



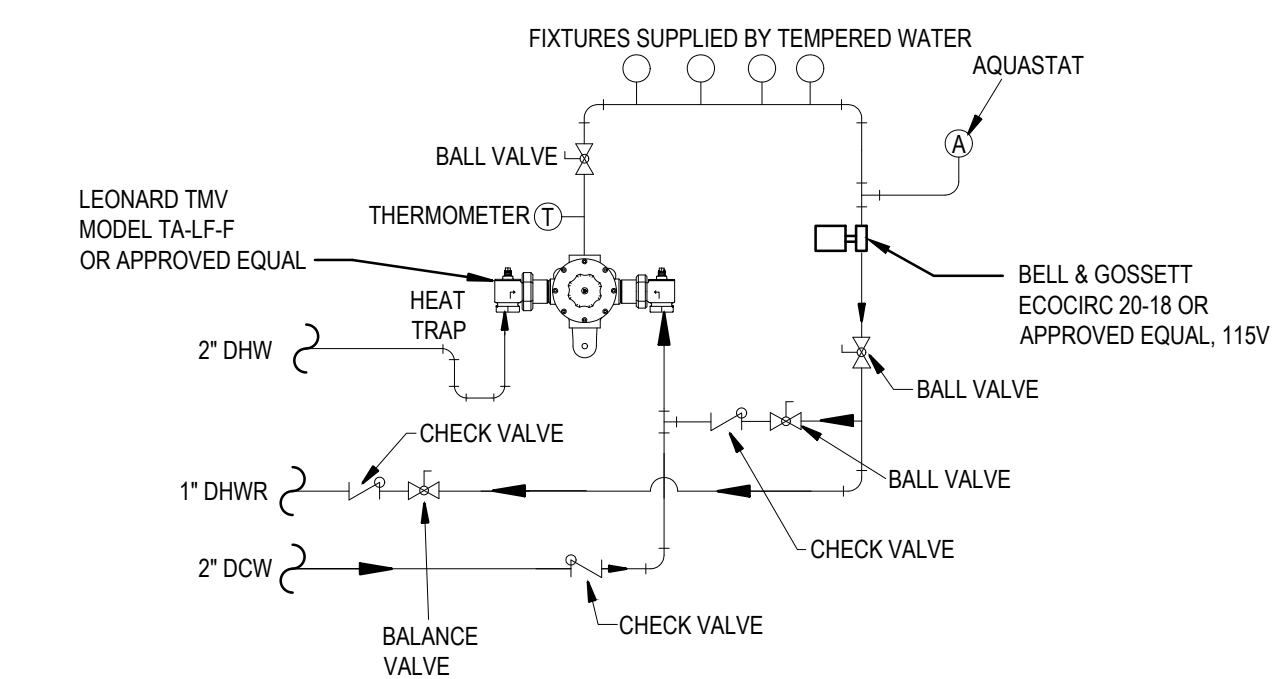
PLUMBING FIXTURE & CONNECTION SCHEDULE

SYMBOL	FIXTURE	MANUFACTURER/MODEL #	TRIM (ADD GPM)	COLOR	DRAIN	VENT	CW	HW	REMARKS
P-1	WALL MOUNTED TOILET	AMERICAN STANDARD: AFWALL MILLENIUM FLOWISE FLUSHMETER, 1.1 GPF MODEL: 2257.101.020	PROVIDE WITH AMERICAN STANDARD ELECTRONIC SENSOR-OPERATED BATTERY POWERED FLUSH VALVE, 1.1GPF, MODEL 606511.002. PROVIDE WITH SEAT	WHITE	4"	2"	1"	-	REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS. PROVIDE WITH ZURN Z1201-N CARRIER (CONTRACTOR TO VERIFY COMPATIBILITY WITH FIXTURE AND WITH MOUNTING HEIGHTS SHOWN ON ARCHITECTURAL DRAWINGS)
P-2	WALL MOUNTED LAVATORY	AMERICAN STANDARD: LUCERNE 0356.421	PROVIDE WITH TOTO STANDARD ECOPOWER FAUCET, TEL103, 0.35 GPM & THERMOSTATIC MIXING VALVE - TEL-D20EM	WHITE	1 1/4"	1 1/4"	1/2"	1/2"	PROVIDE WITH TRUEBRO LAVGUARD. REFER TO ARCHITECTURAL PLANS FOR MOUNTING HEIGHTS. PROVIDE WITH ZURN Z1201 CONCEALED ARM LAVATORY CARRIER (CONTRACTOR TO VERIFY COMPATABILITY)
P-3	STAINLESS STEEL SINK	ELKAY LRAD 252165	AMERICAN STANDARD MONTERREY 0.5 GPM 7502.175, 4" CENTERS	-	1 1/2"	1 1/4"	1/2"	1/2"	-
P-4	MOP SINK	ZURN CUSTODIAL FLOOR SINK, MODEL: Z5850	PROVIDE WITH Z43M1 SERVICE SINK FAUCET, REMOVABLE RIM GUARD, AND 3" IPS	WHITE	3"	1 1/2"	1/2"	1/2"	COORDINATE WITH ARCHITECTURAL DIMENSIONS, PLANS AND DETAILS
P-5	FLOOR DRAIN	WATTS FD-100-A	5" ROUND CAST IRON FACE	CAST IRON	3"	-	-	-	PROVIDE WITH PROVENT PROSET TRAP GUARD
P-6	HOSE BIBB	WATTS: HY-420	-	CHROME	-	-	3/4"	-	COORDINATE WITH ARCHITECTURAL
P-7	SHOWER	COMFORT DESIGN BATHWARE 3820P RRF, SOLID SURFACE COMFORT PKG SSS3682RRF-1	PROVIDE MANUFACTURER VALVE, HANDLE AND SHOWER ASSEMBLY. PROVIDE THERMOSTATIC MIXING VALVE AND 24"VS VERTICLE GRAB BAR	BY ARCH	2"	1 1/2"	1/2"	1/2"	COORDINATE WITH ARCHITECTURAL PLANS
P-8	WASHING MACHINE BOX	QATY: QUATRO	-	-	2"	1 1/4"	1/2"	1/2"	-
WH-1	WATER HEATER	AO SMITH: DRE-52-12 GOLD SERIES 50 GALLON COMMERCIAL ELECTRIC WATER HEATER	208V/3@60 HZ, 12 KW INPUT	-	-	-	-	-	PROVIDE WITH DRAIN PAN

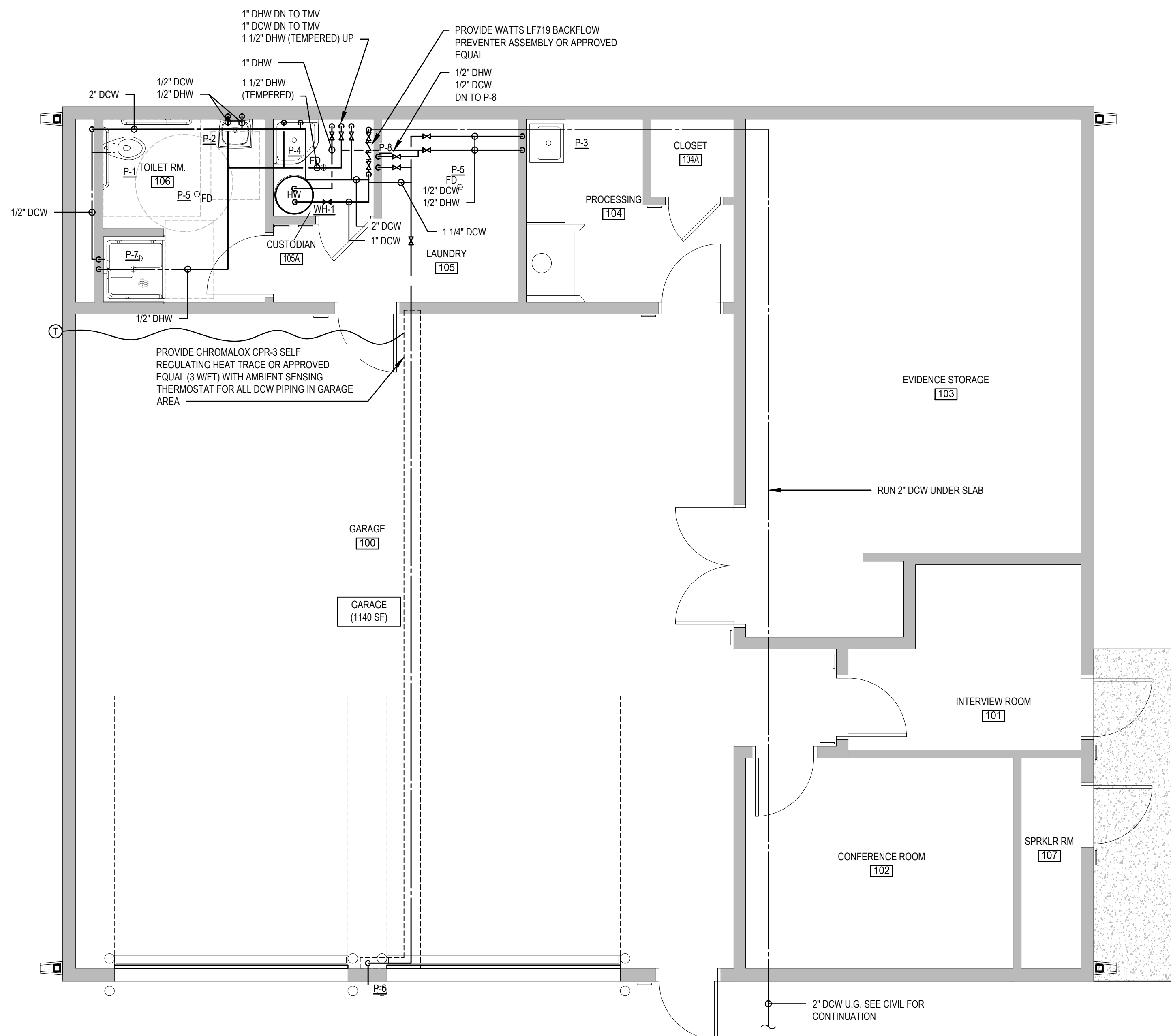
NOTES: PROVIDE EQUIPMENT AS SCHEDULED OR APPROVED EQUAL. PROVIDE FIXTURE STOPS FOR ALL EQUIPMENT.



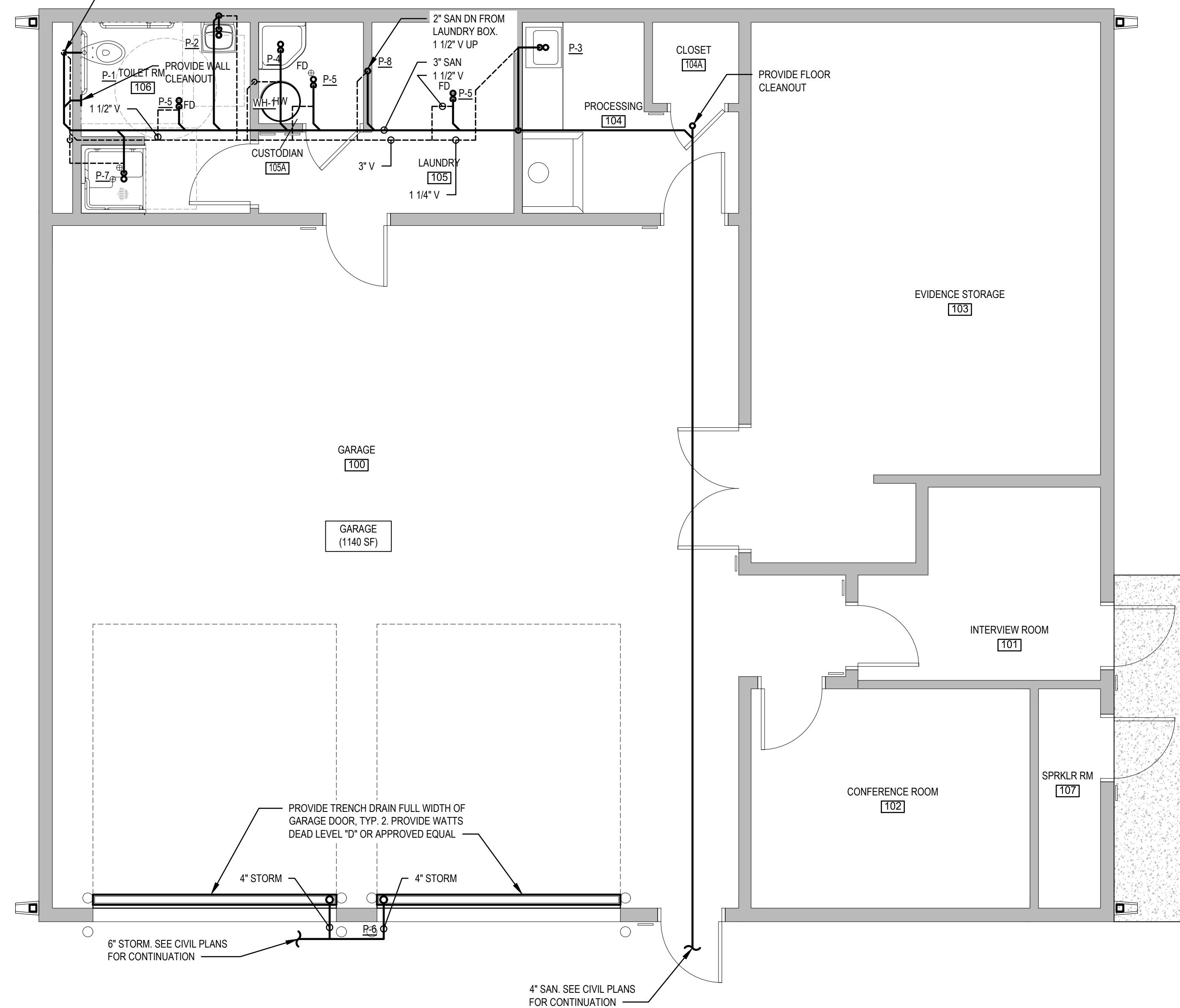
TYPICAL WATER HEATER DETAIL
SCALE: NO SCALE
3" V.T.R.



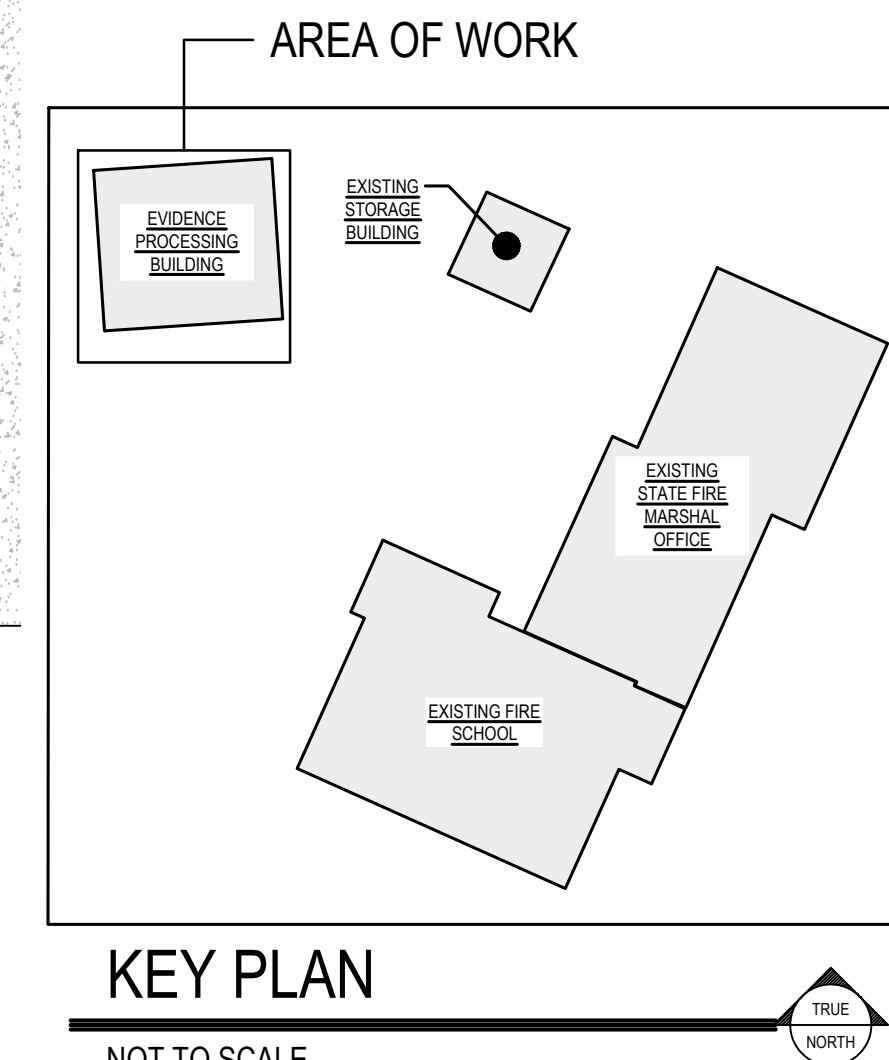
3 THERMOSTATIC MIXING VALVE DETAIL
SCALE: NO SCALE
P-101



1 EVIDENCE PROCESSING BUILDING PLUMBING PLAN - DOMESTIC WATER
SCALE: 1/4" = 1'-0"



2 EVIDENCE PROCESSING BUILDING PLUMBING PLAN - SANITARY & STORM
SCALE: 1/4" = 1'-0"



KEY PLAN
NOT TO SCALE



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ARCHITECT / ENGINEER SEAL

STATE OF DELAWARE
OMBI / DIVISION OF FACILITIES MANAGEMENT
OMBI / DFM # MJ1002000070A
EVIDENCE PROCESSING BUILDING
AT THE
SUSSEX COUNTY FIRE MARSHAL
OFFICE OF THE STATE FIRE MARSHAL - 27705 PARK AVE
GEORGETOWN, DE 19847

PROJECT

REVISIONS		
MARK	DESCRIPTION	DATE

SHEET TITLE
PLUMBING PLANS - EVIDENCE PROCESSING BUILDING

BID DOCUMENTS
MARCH 18, 2024

DRAWN	CHKD	PROJECT NO.
-	-	23020

SHEET NO.
P-101

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FIRE PROTECTION SYSTEMS 2018 SUSSEX COUNTY, DELAWARE, BUILDING CODE NOTES

- FIRE PROTECTION SYSTEMS
2018 SUSSEX COUNTY, DELAWARE BUILDING CODE NOTES**
- THE DESIGN, INSTALLATION AND OPERATION OF FIRE PROTECTION SYSTEMS SHALL COMPLY WITH CHAPTER 9 OF THE IBC 2018 EDITION.
 - REFERENCED STANDARDS SHALL BE IN ACCORDANCE WITH IBC CHAPTER 35.
 - FIRE PROTECTION SYSTEMS SHALL BE INSTALLED, REPAIRED, OPERATED AND MAINTAINED IN ACCORDANCE WITH THE IBC AND THE INTERNATIONAL FIRE CODE (IFC 2018). ANY FIRE PROTECTION SYSTEM FOR WHICH AN EXCEPTION OR REDUCTION TO THE PROVISIONS OF THE BUILDING CODE HAS BEEN GRANTED SHALL BE CONSIDERED A REQUIRED SYSTEM AS PER IBC 901.2.
 - NO PERSON SHALL REMOVE OR MODIFY ANY FIRE PROTECTION SYSTEM INSTALLED OR MAINTAINED UNDER THE PROVISIONS OF THE IBC OR IFC WITHOUT APPROVAL OF THE BUILDING COMMISSIONER.
 - THREADS PROVIDED FOR FIRE DEPARTMENT CONNECTIONS TO SPRINKLER SYSTEMS, STANDPIPES, YARD HYDRANTS OR ANY OTHER FIRE HOSE CONNECTION SHALL BE COMPATIBLE WITH THE CONNECTIONS USED BY THE FIRE DEPARTMENT AS PER IBC 901.4.
 - FIRE PROTECTION SYSTEMS SHALL BE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE IBC AND THE IFC. WHEN REQUIRED, TESTS SHALL BE CONDUCTED IN THE PRESENCE OF THE BUILDING DEPARTMENT OR AN APPROVED SPECIAL INSPECTION AGENCY. TESTS REQUIRED BY THE IBC, IFC AND THE STANDARDS LISTED IN THE IBC SHALL BE CONDUCTED AT THE EXPENSE OF THE OWNER OR THE OWNER'S REPRESENTATIVE. IT IS UNLAWFUL TO OCCUPY PORTIONS OF A STRUCTURE BEFORE THE REQUIRED FIRE PROTECTION SYSTEMS WITHIN THAT PORTION OF THE STRUCTURE HAVE BEEN TESTED AND APPROVED AS PER IBC 901.5.
 - FIRE PROTECTION SYSTEMS SHALL BE MONITORED BY AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH IBC 901.6.
 - WHERE BUILDINGS, OR PORTIONS THEREOF, ARE DIVIDED INTO FIRE AREAS SO AS NOT TO EXCEED THE LIMITS ESTABLISHED FOR REQUIRING A FIRE PROTECTION SYSTEM, THEY SHALL COMPLY WITH IBC 901.7.

AUTOMATIC SPRINKLER SYSTEMS 2018 DELAWARE BUILDING CODE NOTES

- AUTOMATIC SPRINKLER SYSTEMS
2018 DELAWARE BUILDING CODE NOTES**
- THE INSTALLATION, SIZING, SPACING, CLEARANCES, POSITION, AND TYPE OF SYSTEMS SHALL CONFORM TO SECTION 903 OF IBC 2018 EDITION AND SECTION 700 OF THE DELAWARE STATE FIRE PREVENTION REGULATIONS.
 - ALL BLIND SPACES EXCEEDING 6" IN WIDTH OR DEPTH WHICH CONTAIN COMBUSTIBLE MATERIAL, WILL BE SPRINKLERED.
 - ALL PIPING PASSING THROUGH WALLS WILL COMPLY WITH SECTION IBC 714.
 - DISTANCE OF SPRINKLERS FROM HEAT SOURCE SHALL BE AS PER TABLES 9.4.2.5 (A) AND 9.4.2.5 (B) OF NFPA 13.
 - PROVIDE DEPARTMENT OF WATER SUPPLY LETTER WITH FLOW TEST DATA IF THERE IS A DIRECT CONNECTION TO THE STREET WATER SUPPLY AS PER SECTION IBC 903.1.2.
 - ALL PIPES PASSING THROUGH FOUNDATION WALLS SHALL BE PROTECTED AS PROVIDED BY SECTION 305.5 OF THE PLUMBING CODE.
 - ALL VALVES ON CONNECTIONS TO WATER SUPPLY TO SPRINKLER SHALL BE APPROVED OS&Y OR APPROVED INDICATOR TYPE.
 - SPRINKLER SYSTEM COMPLIES WITH NFPA 13-2019.
 - MINIMUM BRANCH PIPE SIZE TO BE ONE INCH (1").
 - THIS APPLICATION IS MADE ONLY FOR WORK INDICATED ON THE SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES.

SPRINKLER SYSTEM GENERAL NOTES

- THE AUTOMATIC SPRINKLER SYSTEM SHALL COMPLY WITH CHAPTER 9 OF THE IBC 2018 EDITION AND NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS 2019 EDITION.
- SPRINKLERS SHALL NOT BE OMITTED FROM ANY ROOM BECAUSE OF FIRE-RESISTANCE RATED CONSTRUCTION OR CONTAINS ELECTRICAL EQUIPMENT AS PER SECTION 903.3.1.1.1 OF IBC.
- AUTOMATIC SPRINKLERS SHALL BE INSTALLED WITH DUE REGARD TO OBSTRUCTIONS THAT WILL DELAY ACTIVATION OR OBSTRUCT THE WATER DISTRIBUTION PATTERN. AUTOMATIC SPRINKLERS SHALL BE INSTALLED IN OR UNDER COVERED EQUIPMENT THAT EXCEEDS 4 FEET IN WIDTH, NOT LESS THAN 3 FOOT CLEARANCE SHALL BE MAINTAINED BETWEEN AUTOMATIC SPRINKLERS AND TOP OF PILES OF COMBUSTIBLE FIBERS PER SECTION 903.3.3 OF IBC.
- FIRE HOSE THREADS USED IN CONNECTION WITH AUTOMATIC SPRINKLER SYSTEM SHALL BE APPROVED AND COMPATIBLE WITH FIRE DEPARTMENT HOSE THREADS PER SECTION 903.3.6 OF THE IBC.
- OCCUPANCY CLASSIFICATION SHALL COMPLY WITH SECTION 4.3 OF NFPA 13-2019.
- REQUIREMENTS FOR CORRECT USE OF SPRINKLER SYSTEM COMPONENTS SHALL COMPLY WITH CHAPTER 7 OF NFPA 13-2019.
- AUTOMATIC SPRINKLERS SHALL HAVE THEIR FRAME ARMS, DEFLECTOR, COATING MATERIAL, OR LIQUID BULB COLORED IN ACCORDANCE WITH THE REQUIREMENTS OF TABLE 7.2.4.1 OF NFPA 13-2019.
- ALL CONTROL, DRAIN AND TEST CONNECTION VALVES SHALL BE PROVIDED WITH PERMANENTLY MARKED WEATHERPROOF METAL OR RIGID PLASTIC IDENTIFICATION SIGNS. SECTION 16.9.12 OF NFPA 13-2019.
- THE MAXIMUM FLOOR AREA TO BE PROTECTED BY A SINGLE RISER FROM A CONTROL VALVE AND ALARM DEVICE SHALL COMPLY WITH SECTION 4.5.1 OF NFPA 13-2019.
- SPRINKLERS OF INTERMEDIATE AND HIGH TEMPERATURE RATINGS SHALL BE INSTALLED IN SPECIFIC LOCATIONS AS REQUIRED BY SECTION 7.2.4 OF NFPA 13-2019.
- SPRINKLERS SHALL BE LOCATED, SPACED AND POSITIONED IN ACCORDANCE WITH THE REQUIREMENTS OF CHAPTER 9 OF NFPA 13-2019.
- PROTECTION AREAS AND MAXIMUM SPACING FOR EACH HAZARD SHALL COMPLY WITH TABLE 10.2.4.2.1(a), OF NFPA 13-2019.
- DRAIN CONNECTIONS FOR SYSTEMS SUPPLY RISERS AND MAINS SHALL BE SIZED IN ACCORDANCE WITH TABLE 16.10.4.2 OF NFPA 13-2019.
- TYPES OF HANGERS SHALL BE IN ACCORDANCE WITH THE REQUIREMENT OF CHAPTER 17 OF NFPA 13-2019.
- MAXIMUM DISTANCE BETWEEN HANGERS SHALL COMPLY WITH TABLE 17.4.2.1(b) & (c) OF NFPA 13-2019.
- HOSE STREAM DEMAND AND WATER SUPPLY DURATION REQUIREMENT SHALL COMPLY WITH TABLE 19.3.3.1.2 OF NFPA 13-2019.
- CONTRACTOR SHALL PROVIDE ONE (1) COPY OF REPRODUCIBLE RECORD DRAWINGS AND AUTOCAD FILE TO THE BUILDING MANAGER.
- OWNER SHALL NOTIFY THE FIRE DEPARTMENT OF SPRINKLER SYSTEM DISCONNECTION, AND TEMPORARY FIRE PROTECTION MEASURES TO BE PROVIDED IN THE AFFECTED AREAS.
- ALL REQUIRED BUILDING SHUTDOWNS ARE TO BE COORDINATED WITH BUILDING MANAGEMENT PRIOR TO DEMOLITION WORK BEING PERFORMED.
- CONTRACTOR IS TO PROVIDE DRAIN ON ANY TRAPPED SECTIONS CREATED DURING CONSTRUCTION EXCEEDING 5 GALLONS IN ACCORDANCE WITH NFPA 13 (2019) SECTION 16.10.5.2.
- ALL SPRINKLERS ARE TO BE INSTALLED IN ACCORDANCE WITH THEIR LISTING AND/OR THE MANUFACTURERS INSTRUCTIONS.
- DEDICATED SPRINKLER PIPING SHALL BE PAINTED AND SUCH PAINTING CERTIFIED IN ACCORDANCE WITH SECTION 903.6 OF THE BUILDING CODE. SPRINKLER PIPING MAY ALSO BE IDENTIFIED BY LETTERED LEGEND IN ACCORDANCE WITH ANSI A13.1, WHERE THE PIPING IS REQUIRED TO BE LISTED AND LABELED SUCH PAINTING SHALL NOT OBSCURE SUCH LABELING.

APPLICABLE CODES

DELAWARE BUILDING CODE 2018 EDITION (IBC 2018)

DELAWARE FIRE PREVENTION CODE 2018 EDITION

NFPA 1 (2021 EDITION) FIRE CODE

NFPA 13 (2019 EDITION) STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS

NFPA 24 (2019 EDITION) STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES

NFPA 25 (2020 EDITION) STANDARD FOR INSPECTION, TESTING AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS

NFPA 70 (2020 EDITION) NATIONAL ELECTRIC CODE

NFPA 72 (2019 EDITION) NATIONAL FIRE ALARM AND SIGNALING CODE

NFPA 101 (2021 EDITION) LIFE SAFETY CODE

SCOPE OF WORK

THE SCOPE OF THIS PROJECT IS TO INSTALL AN AUTOMATIC FIRE SPRINKLER SYSTEM THROUGHOUT THE BUILDING IN ACCORDANCE WITH APPLICABLE CODES AND STANDARDS.

BUILDING INFORMATION

BUILDING SIZE: 2,500 SF
MAXIMUM BUILDING HEIGHT: 30'-0"
ROOF SLOPE: 33 DEGREES
BUILDING CLASSIFICATION: STORAGE OCCUPANCY
CONSTRUCTION TYPE: TYPE II (000) UNOBSTRUCTED

STORAGE INFORMATION

MISCELLANEOUS STORAGE SHALL NOT CONSTITUTE MORE THAN 10 PERCENT OF THE BUILDING AREA OR 4000 SQ. FT.

STORAGE SHALL NOT EXCEED 1000 SQ. FT. IN ONE PILE AREA AND MUST BE SEPARATED FROM OTHER STORAGE AREAS BY 25 FT.

MISCELLANEOUS STORAGE ARRANGEMENTS SHALL NOT EXCEED THE DISCHARGE CRITERIA REQUIREMENTS FOR ORDINARY HAZARD GROUP 2 (OH2) AS OUTLINED IN TABLE 4.3.1.7.1 OF NFPA 13 (2019 EDITION).

SYSTEM DESIGN CRITERIA

OCCUPANCY CLASSIFICATION	DENSITY (GPM/SQ FT)	DESIGN AREA (SQ FT)	HOSE ALLOWANCE (GPM)	MAXIMUM COVERAGE AREA (SQ FT)	MINIMUM K-FACTOR	SPRINKLER SYSTEM TYPE	TOTAL AREA (SQ FT)
ORDINARY HAZARD 02: WET-PIPE SYSTEM	0.20	1500	250	130	K=8.0	WET	2,500
ORDINARY HAZARD 01: DRY-PIPE SYSTEM	0.15	2535	250	130	K=8.0	DRY	2,500

BID INFORMATION

BASE BID INCLUDES WET-PIPE SPRINKLER SYSTEM BELOW THE UNHEATED ATTIC AND A DRY-PIPE SPRINKLER SYSTEM WITHIN THE UNHEATED ATTIC SPACE.

BID ALTERNATE #1 CHANGES ATTIC TO NON-COMBUSTIBLE CONCEALED SPACE ALLOWING FOR OMISSION OF THE DRY-PIPE SPRINKLER SYSTEM.

FIRE PROTECTION SYMBOLS LEGEND

SYMBOL	TITLE MARK DETAIL	SYMBOL	SYMBOL	SYMBOL
	REVISION CLOUD			
	KEY NOTE			
	HYDRAULIC REFERENCE NODE			
	HYDRAULIC CALCULATION AREA			
	NEW UNDERGROUND PIPE			
	NEW ABOVEGROUND PIPE			

FIRE PROTECTION SPRINKLER SCHEDULE

SYMBOL	SPRINKLER ORIENTATION	MODEL	K-FACTOR	TEMPERATURE RATING	ORIFICE SIZE	MAXIMUM COVERAGE AREA	FINISH	QUANTITY
○	UPRIGHT	TY4151	8.0	155°F	3/4"	130 SF	BRASS	72
▽	HORIZONTAL SIDEWALL	TY3331	5.6	155°F	1/2"	130 SF	BRASS	2
⊙	PENDENT	TY4251	8.0	155°F	3/4"	130 SF	CHROME	8
G	SPRINKLER GUARD							6

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CONSULTANT

JENSEN HUGHES

March 18, 2024

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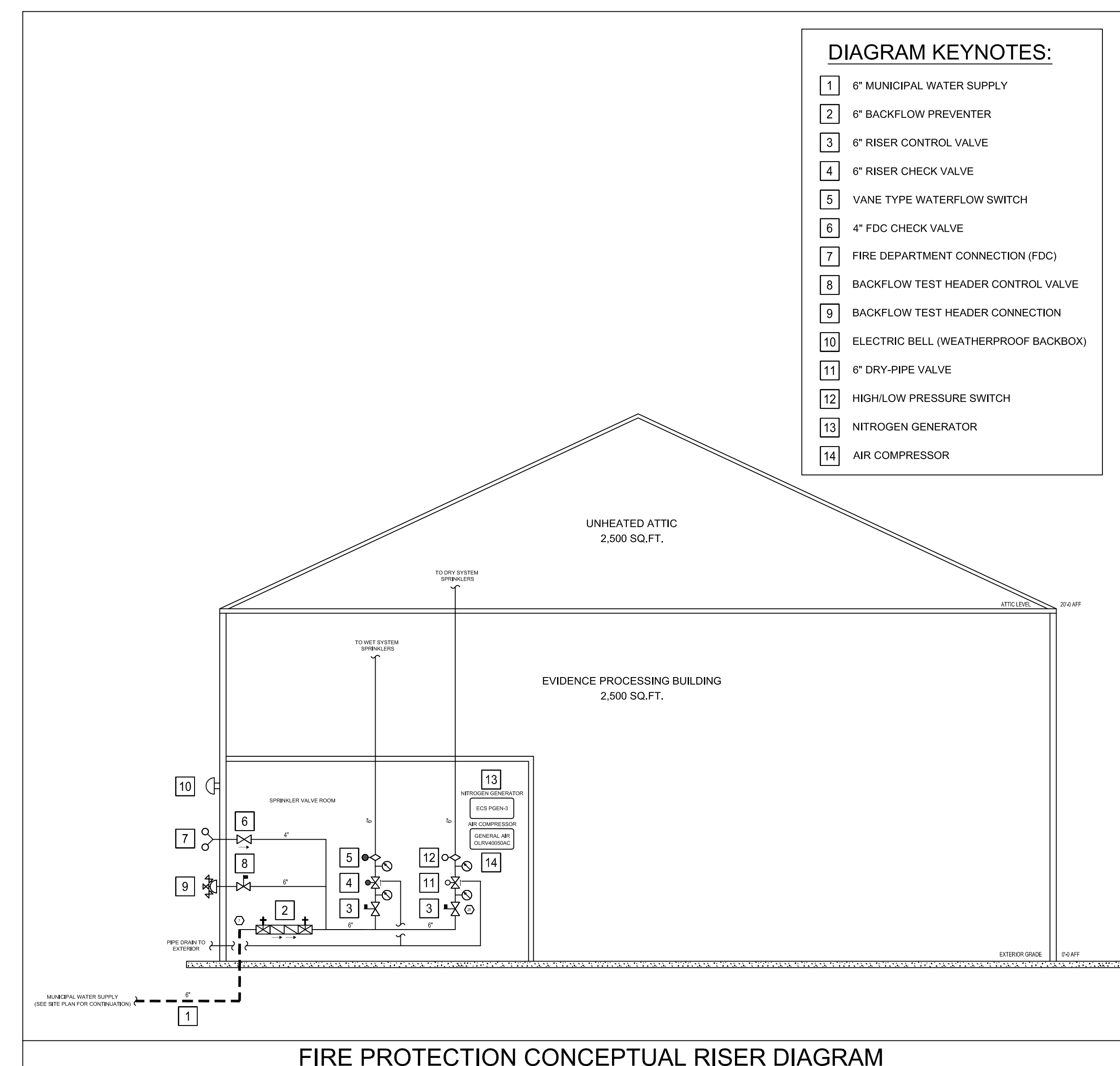
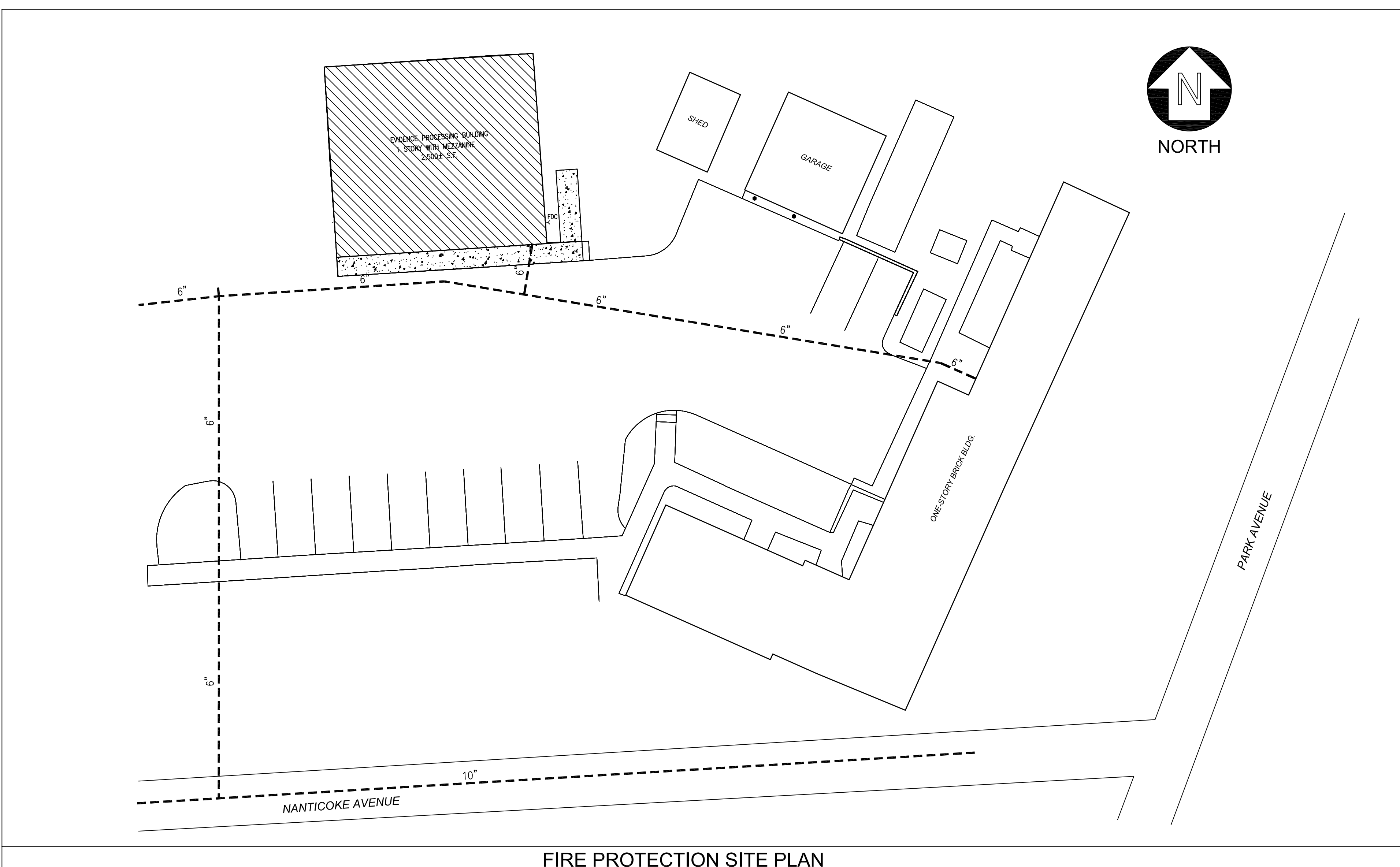
PROJECT: STATE OF DELAWARE, OMBI DIVISION OF FACILITIES MANAGEMENT, OMBI/DFM # MJ1002000070A, EVIDENCE PROCESSING BUILDING AT THE SUSSEX COUNTY FIRE MARSHAL - 22705 PARK AVE, GEORGETOWN, DE 19947

MARK	DESCRIPTION	DATE

SHEET TITLE

FIRE PROTECTION NOTES AND LEGEND

BID DOCUMENTS
MARCH 18, 2024
DRAWN: PSM, CHK'D: SG, PROJECT NO: 23020
SHEET NO. FP-001



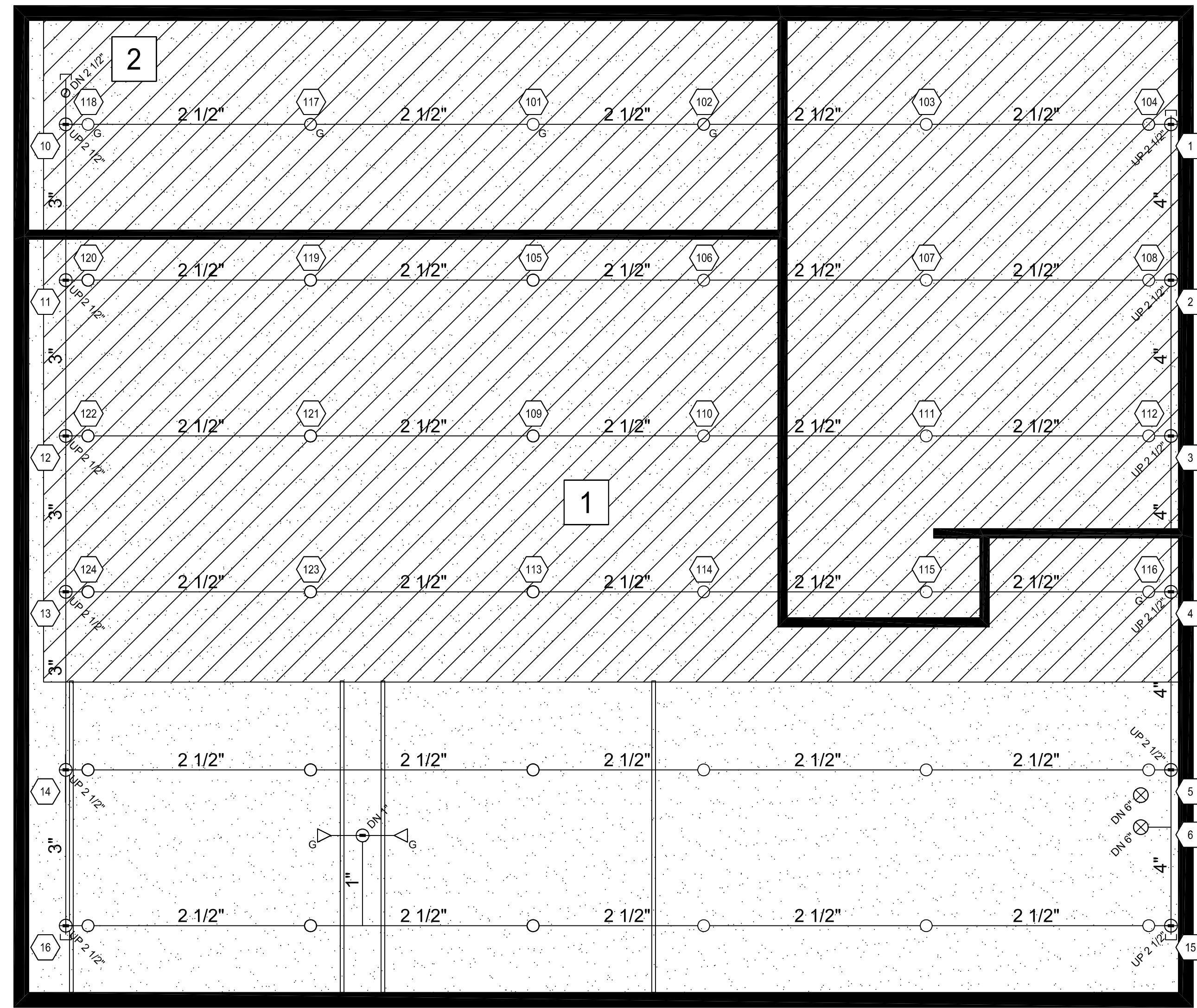
- DIAGRAM KEYNOTES:**
- 1 6" MUNICIPAL WATER SUPPLY
 - 2 6" BACKFLOW PREVENTER
 - 3 6" RISER CONTROL VALVE
 - 4 6" RISER CHECK VALVE
 - 5 VANE TYPE WATERFLOW SWITCH
 - 6 4" FDC CHECK VALVE
 - 7 FIRE DEPARTMENT CONNECTION (FDC)
 - 8 BACKFLOW TEST HEADER CONTROL VALVE
 - 9 BACKFLOW TEST HEADER CONNECTION
 - 10 ELECTRIC BELL (WEATHERPROOF BACKBOX)
 - 11 6" DRY-PIPE VALVE
 - 12 HIGH/LOW PRESSURE SWITCH
 - 13 NITROGEN GENERATOR
 - 14 AIR COMPRESSOR

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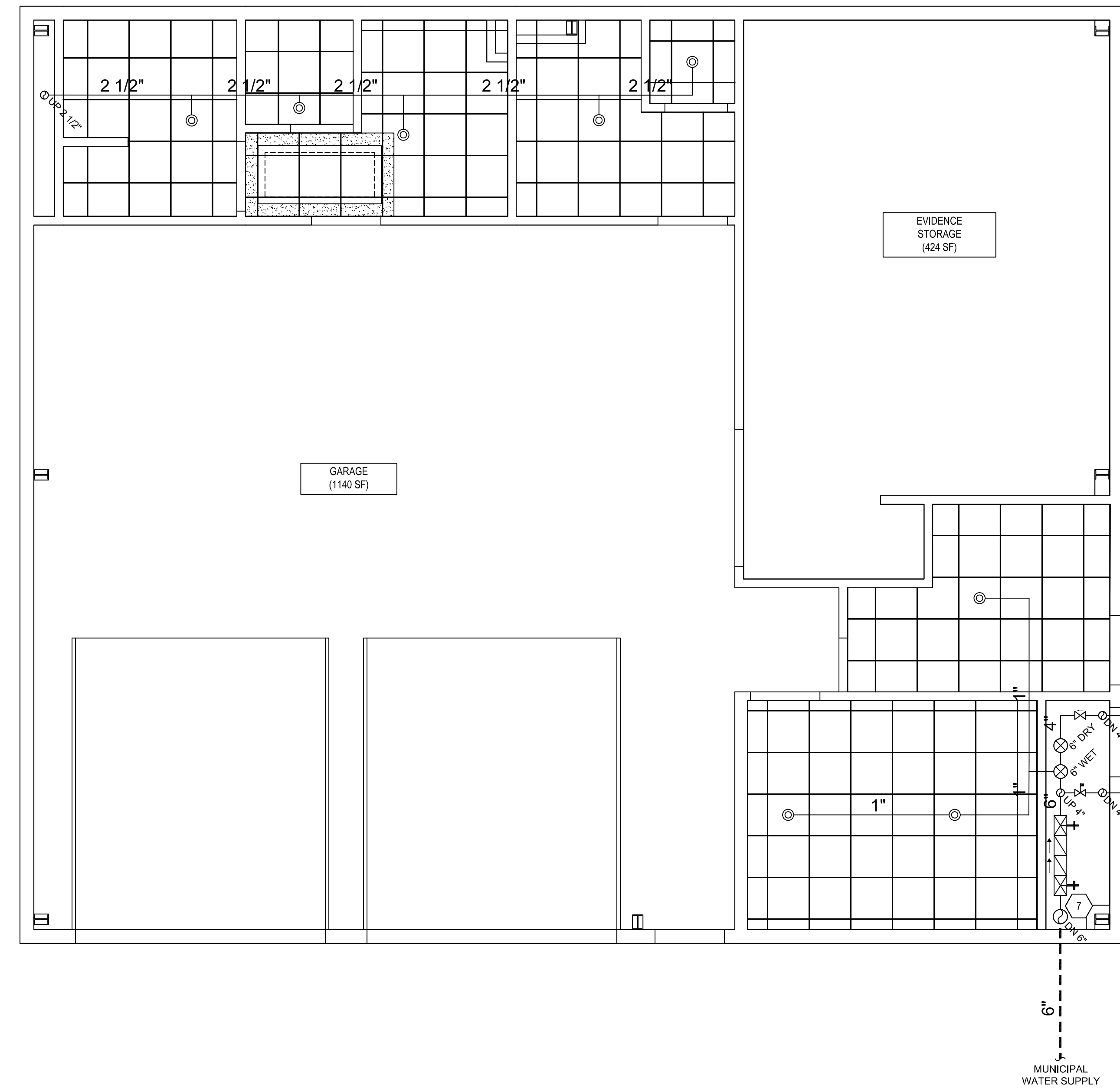
HYDRAULIC CALCULATION INFORMATION	
REMOTE AREA 1: WET-PIPE SYSTEM	
OCCUPANCY TYPE:	ORDINARY HAZARD GROUP 2
DENSITY DENSITY:	0.20 GPM PER SQ FT
AREA OF OPERATION:	1500 SQ FT
NUMBER OF SPRINKLERS:	24
COVERAGE PER SPRINKLER:	130 SQ FT
SPRINKLER DEMAND:	630.2 GPM
HOSE STREAM ALLOWANCE:	250 GPM
AVAILABLE PRESSURE AT SOURCE:	49.3 PSI @ 880.2 GPM
REQUIRED PRESSURE AT SOURCE:	38.1 PSI @ 880.2 GPM

DRAWING KEYNOTES:

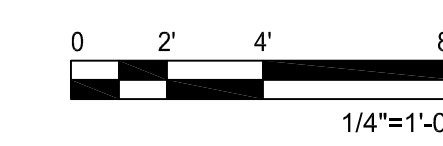
- 1 WET-PIPE SPRINKLER SYSTEM INSTALLED BELOW THE UNHEATED ATTIC SPACE
- 2 PROVIDE DRAIN FOR REMOTE MAIN PIPE DRAIN TO EXTERIOR OF BUILDING



UPPER CEILING LEVEL FIRE PROTECTION PLAN
SCALE: 1/4" = 1'-0"



LOWER CEILING LEVEL FIRE PROTECTION PLAN
SCALE: 1/4" = 1'-0"



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CONSULTANT

JENSEN HUGHES

Professional Engineer Seal for Robert B. Gentry, State of Delaware, License No. 10388, dated March 18, 2024.

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STATE OF DELAWARE
OMB / DIVISION OF FACILITIES MANAGEMENT
OMB / DFM # MJ1002000070A
EVIDENCE PROCESSING BUILDING
AT THE
SUSSEX COUNTY FIRE MARSHAL - 22705 PARK AVE
OFFICE OF THE STATE FIRE MARSHAL - GEORGETOWN, DE 19947

REVISIONS		
MARK	DESCRIPTION	DATE

SHEET TITLE
**FIRE PROTECTION
FIRST FLOOR
SPRINKLER PLAN**

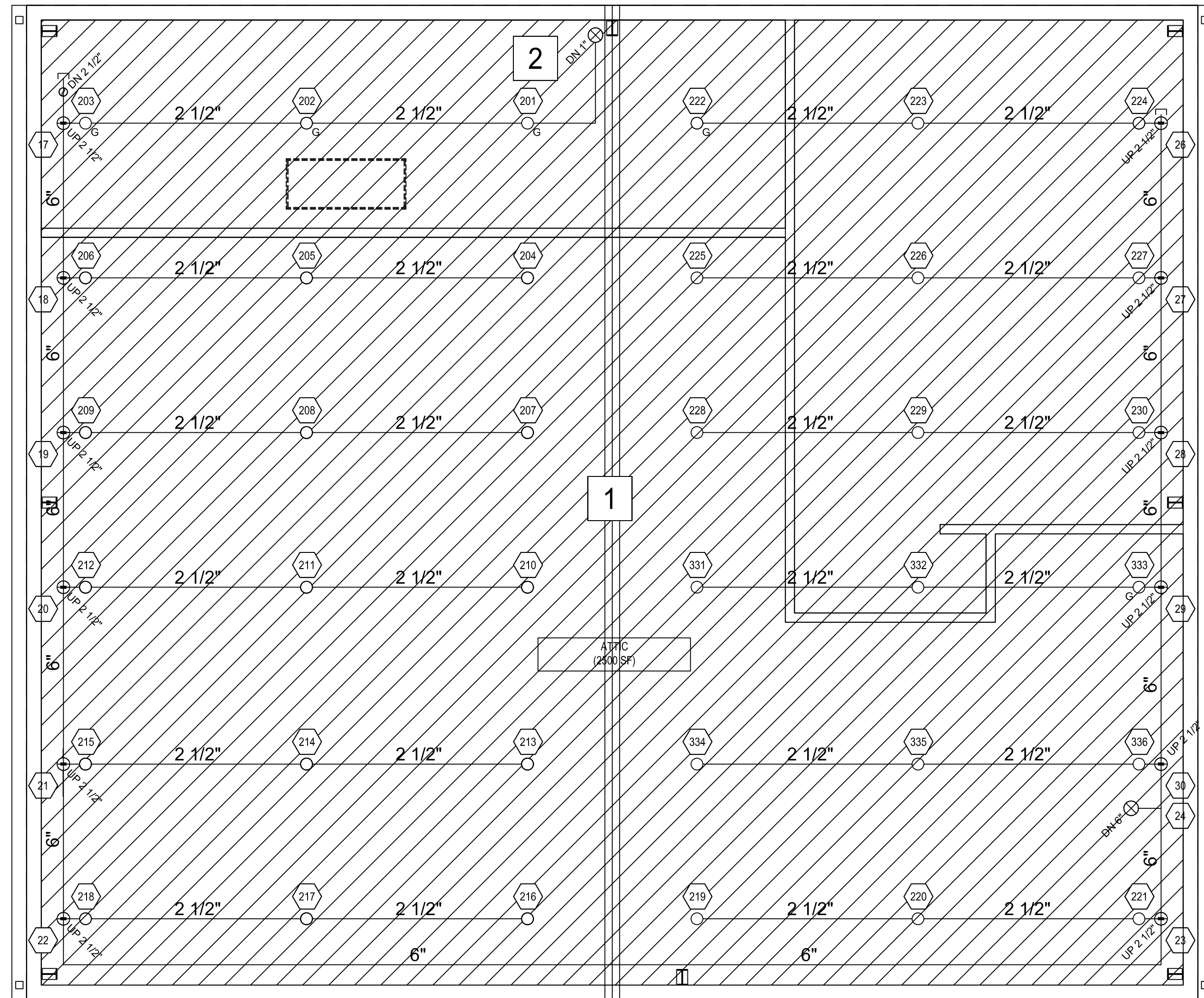
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FP-101

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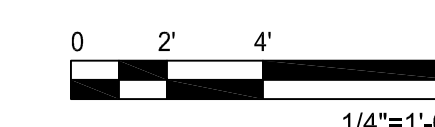
HYDRAULIC CALCULATION INFORMATION	
REMOTE AREA 2: DRY-PIPE SYSTEM	
OCCUPANCY TYPE:	ORDINARY HAZARD GROUP 1
DENSITY DENSITY:	0.15 GPM PER SQ FT
AREA OF OPERATION:	2535 SQ FT
NUMBER OF SPRINKLERS:	36
COVERAGE PER SPRINKLER:	130 SQ FT
SPRINKLER DEMAND:	836.5 GPM
HOSE STREAM ALLOWANCE:	250 GPM
AVAILABLE PRESSURE AT SOURCE:	47.9 PSI @ 1086.5 GPM
REQUIRED PRESSURE AT SOURCE:	42.1 PSI @ 1086.5 GPM



ATTIC LEVEL FIRE PROTECTION PLAN
SCALE: 1/4" = 1'-0"

DRAWING KEYNOTES:

- 1 DRY-PIPE SPRINKLER SYSTEM INSTALLED WITHIN THE UNHEATED ATTIC SPACE
- 2 PROVIDE INSPECTORS TEST CONNECTION PIPE TO EXTERIOR OF THE BUILDING



CONSULTANT
JENSEN HUGHES

 March 18, 2024

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 OMB/ DIVISION OF FACILITIES MANAGEMENT
 OMB/ DFM # MJ1002000070A
EVIDENCE PROCESSING BUILDING
 AT THE
 SUSSEX COUNTY FIRE MARSHAL
 OFFICE OF THE STATE FIRE MARSHAL - 2270S PARK AVE
 GEORGETOWN, DE 19947

REVISIONS		
MARK	DESCRIPTION	DATE
-	-	-

SHEET TITLE
FIRE PROTECTION ATTIC LEVEL SPRINKLER PLAN

BID DOCUMENTS
 MARCH 18, 2024

DRAWN: PSM
 CHK'D: SG
 PROJECT NO.: 23020

SHEET NO.: **FP-102**