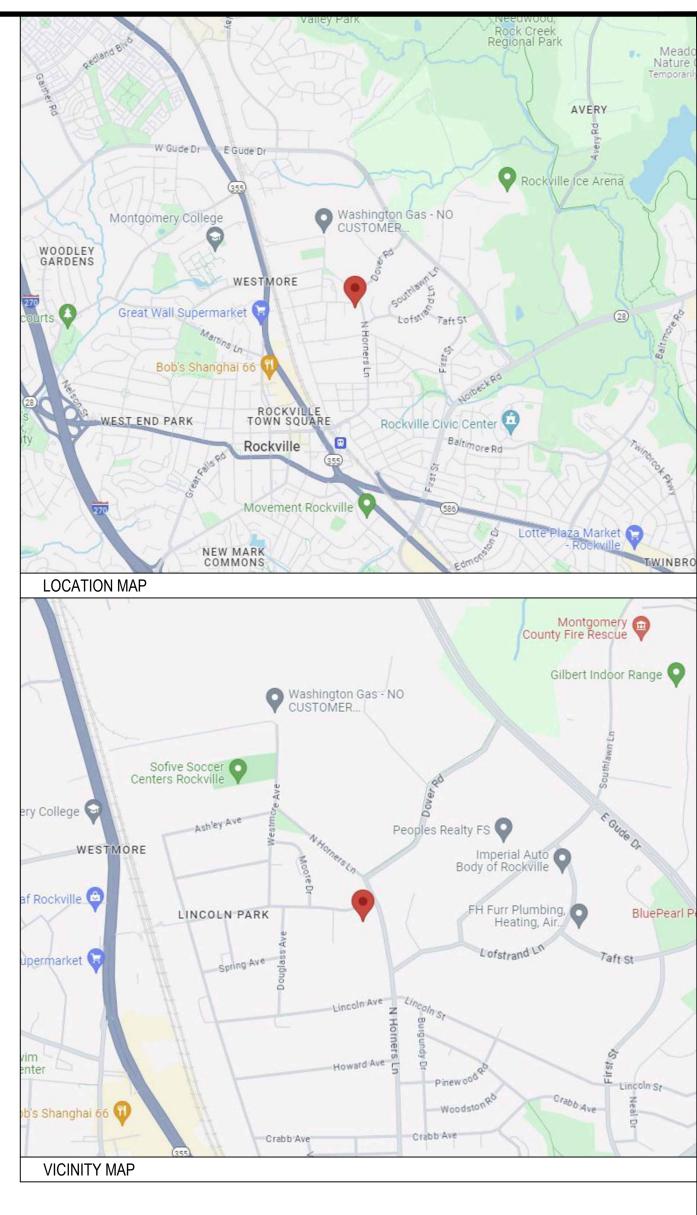
PARTIAL ROOF REPLACEMENT

LINCOLN PARK COMMUNITY CENTER

357 FREDERICK AVENUE ROCKVILLE, MD 20850

PREPARED FOR CITY OF ROCKVILLE 14625 ROTHGEB DRIVE ROCKVILLE, MD 20850

TITLE DRAWING NO **COVER SHEET** STANDARD ABBREVIATIONS, LEGEND, SYMBOLS AND GENERAL NOTES G-003 TYPICAL FLASHING CONFIGURATIONS ROOF AREA PLAN - EXISTING CONDITIONS ROOF AREA PLAN - NEW CONSTRUCTION ROOF SYSTEM CROSS SECTIONS CONCEPTUAL TAPERED INSULATION PLAN DETAILS - EXISTING CONDITIONS DETAILS - NEW CONSTRUCTION DETAILS - NEW CONSTRUCTION DETAILS - NEW CONSTRUCTION DETAILS - NEW CONSTRUCTION DETAILS - NEW CONSTRUCTION



CODE ANALYSIS AND SUMMARY

APPLICABLE CODES

- 2018 INTERNATIONAL BUILDING CODE (IBC) WITH LOCAL AMENDMENTS
- 2018 INTERNATIONAL MECHANICAL CODE (IMC) WITH LOCAL AMENDMENTS
- 2018 NATIONAL STANDARD PLUMBING CODE (NSPC) WITH LOCAL AMENDMENTS
- 2017 NATIONAL ELECTRIC CODE (NEC) WITH LOCAL AMENDMENTS • 2018 NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) WITH LOCAL AMENDMENTS
- 2018 NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 101 LIFE SAFETY CODE
- 2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC) WITH LOCAL AMENDMENTS

APPLICABLE GUIDELINES

- NATIONAL ROOFING CONTRACTORS ASSOCIATION (NRCA)
- AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR-CONDITIONING ENGINEERS (ASHRAE) AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE)

WALL PANEL DESIGN PARAMETERS (IN ACCORDANCE WITH ASCE 7-16 ASD PROCEDURES)

BASIC WIND SPEED -DESIGN WIND PRESSURES (PSF): 120 MPH

| SIGN WIND PRESSU | JRES (PSF): 120 | IV |
|------------------|-----------------|-----|
| | (-) | (+) |
| ZONE 1 | 41.3 | |
| ZONE 2 | 54.4 | |
| ZONE 3 | 74.2 | |
| ZONE 4 | 28.1 | 25. |
| ZONE 5 | 34.7 | 25. |
| | | |

SUMMARY OF WORK:

REMOVE EXISTING ROOF SYSTEM DOWN TO THE EXISTING STRUCTURAL DECK AND PROVIDE NEW THERMOPLASTIC AND METAL ROOF SYSTEMS.

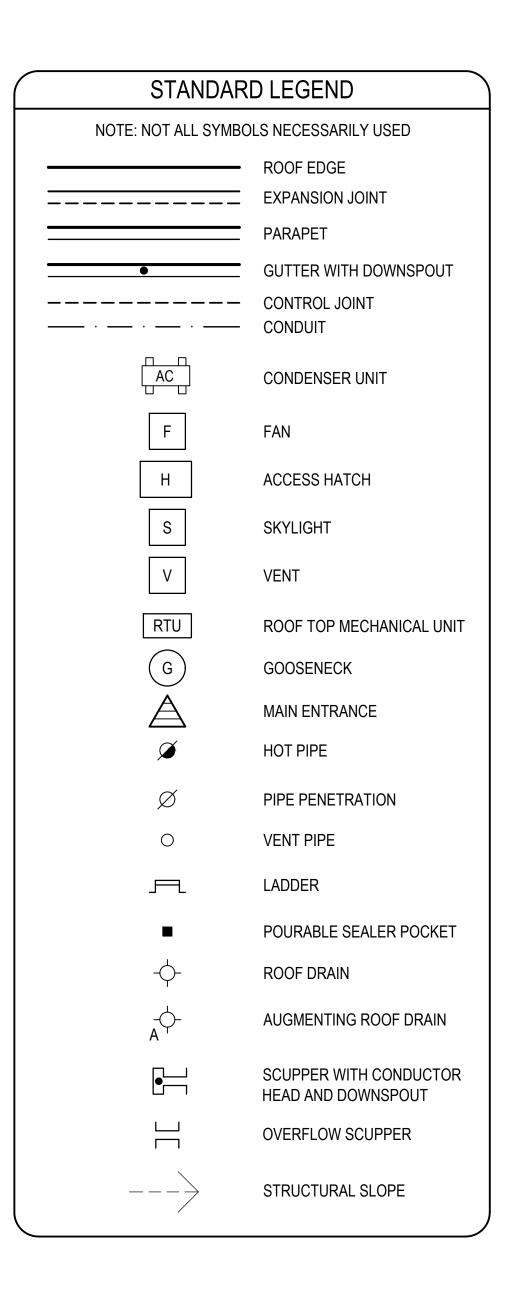
| Rock Creek Regional Park Meado Nature | GALE |
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| AVERY Democration | Gale Associates, Inc. Engineers Architects Planners |
| W Gude Dr E Gude Dr Rockville Ice Arena | 1122 Kenilworth Drive, Suite 206 Towson, Md 21204-2143 P 443-279-4500 F 443-279-4560 www.gainc.com |
| Montgomery College Washington Gas - NO CUSTOMER | Massachusetts Maryland Connecticut Virginia New Hampshire Florida Maine |
| Great Wall Supermarket G | This drawing and the design and construction features disclosed are proprietary to Gale Associates, Inc. and shall not be altered or reused in whole or part without the express written permission of Gale Associates, Inc. Copyright©2024 |
| WEST END PARK ROCKVILLE TOWN SQUARE Rockville Civic Center | |
| Movement Rockville NEW MARK COMMONS Lotte Plaza Market - Rockville TWINBRO | |
| LOCATION MAP | |
| College Conty Fire Rescue County Fire Rescue Gilbert Indoor Range County Fire Rescue Coun | |
| Rockville C LINCOLN PARK BluePearl Po | |
| ermarket Spring Ave Spring Ave Lincoln Ave Lincoln St. | |

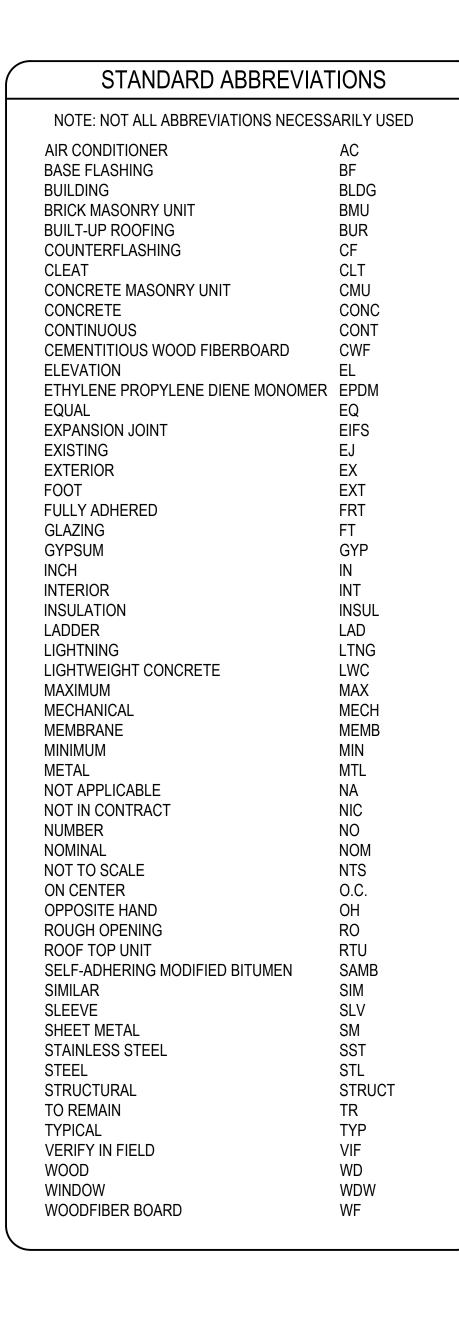
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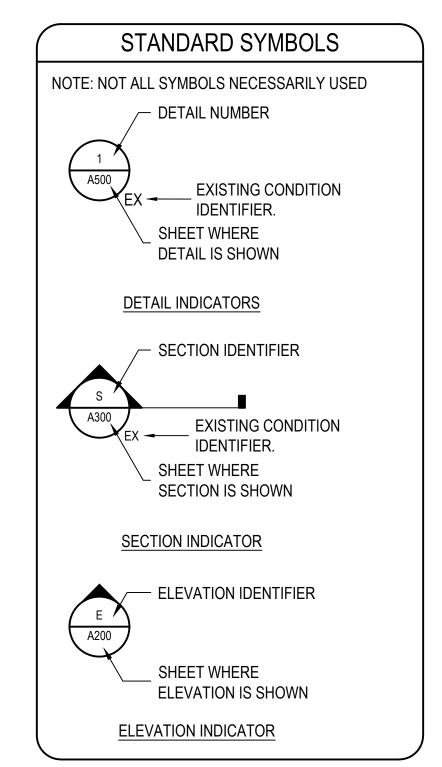
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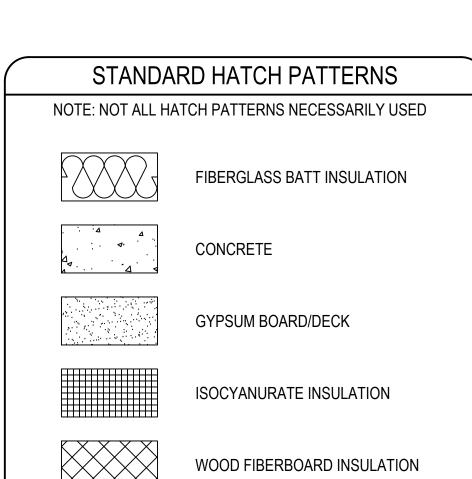
COVER SHEET

DRAWING NO.









GENERAL NOTES

DEMOLITION NOTES

- THE INFORMATION SHOWN ON THE DRAWINGS HAS BEEN COMPILED FROM VARIOUS SOURCES, AND MAY NOT REFLECT THE ACTUAL CONDITIONS AT THE TIME OF CONSTRUCTION.
- THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND REQUIREMENTS PERTAINING TO THIS PROJECT.
- JOB SITE SAFETY, INCLUDING THE SAFETY OF THE CONTRACTOR'S EMPLOYEES, OCCUPANTS, PEDESTRIANS AND OWNERS REPRESENTATIVES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- THE BUILDING MAY BE OCCUPIED DURING CONSTRUCTION. IN NO CASE SHALL WORK BE COMPLETED OVER BUILDING OCCUPANTS. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO INTERIOR ELEMENTS AND TO PROTECT OCCUPANTS. COORDINATE AND SCHEDULE WORK LOCATIONS IN ADVANCE WITH THE OWNER. SCHEDULE AND EXECUTE WORK TO MINIMIZE NOISE INTERRUPTIONS.
- CONTRACTOR SETUP LOCATIONS SHALL BE AS INDICATED BY THE OWNER DURING THE PRE CONSTRUCTION MEETING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEGREGATING THE WORK AREA IMMEDIATELY BELOW AND ADJACENT TO THE WORK AREA. THE CONTRACTOR SHALL COVER ALL INTERIOR ITEMS INCLUDING FLOORS AND EQUIPMENT PRIOR TO DEMOLITION. ONCE REMOVAL IS COMPLETE FOR THE DAY, THE PLASTIC COVERINGS SHALL BE REMOVED AND THE INTERIOR AREAS CLEANED. CLEANING SHALL INCLUDE, BUT NOT BE LIMITED TO, SWEEPING OF FLOORS AND DUST REMOVAL FROM THE TOPS OF LIGHT FIXTURES AND EQUIPMENT WHERE ACCESSIBLE.
- THE CONTRACTOR SHALL REPORT DETERIORATED OR UNSUITABLE ROOF DECK OR SUBSTRATE COMPONENTS TO THE OWNER PRIOR TO PERFORMING ROOFING INSTALLATION WORK.
- REMOVE AND DISPOSE OF EXISTING ROOF SYSTEM AND ALL ASSOCIATED MATERIALS DOWN TO THE STRUCTURAL DECK UNLESS OTHERWISE INDICATED ON THE DETAIL DRAWINGS TO REMAIN. REMOVE AND DISPOSE OF ALL ITEMS TO INCLUDE DRAINS, WOOD BLOCKING AND APPURTENANCES SCHEDULED TO BE REMOVED.
- PROVIDE TEMPORARY OVERHEAD PROTECTION AT THE MAIN ENTRANCE AND AT OTHER LOCATIONS AS NECESSARY TO PROVIDE UNINTERRUPTED ACCESS TO BUILDING.
- REMOVALS SHALL BE PERFORMED IN ACCORDANCE WITH THE SUBMITTED AND APPROVED REMOVAL PLAN, THE DETAIL DRAWINGS AND SPECIFICATIONS.
- REMOVE ALL ABANDONED EQUIPMENT, CONDUIT AND CURBS AND ENCLOSE OPENINGS UNLESS SPECIFICALLY INDICATED TO REMAIN.

REPLACEMENT NOTES

- FOR THE SAKE OF CLARITY, EACH INDIVIDUAL DETAIL ON THE ROOF PLANS HAS NOT BEEN INDICATED. EXISTING AND NEW DETAILS HAVE BEEN INDICATED FOR TYPICAL COMPONENTS AT RANDOM LOCATIONS.
- COMPONENTS SHOWN ON THE DETAIL DRAWINGS SHALL BE NEW UNLESS SPECIFICALLY INDICATED AS EXISTING.
- ITEMS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS APPLICABLE TO THE PROJECT.
- FOR THE SAKE OF CLARITY, SECUREMENT FASTENERS ARE NOT SHOWN ON THE DRAWING. REFER TO SPECIFICATIONS FOR FASTENER TYPES AND SPACING.
- ANY DISCREPANCIES ON THE DRAWINGS NOTED BY THE CONTRACTOR SHALL BE BROUGHT TO THE OWNERS ATTENTION PRIOR TO BID
- ITEMS OF CONSTRUCTION SHALL BE 100% WATERTIGHT ON A DAILY BASIS. REMOVE ONLY AS MUCH MATERIAL AS CAN BE MADE WATERTIGHT ON THE SAME DAY OF WORK. [PHASED CONSTRUCTION MUST BE APPROVED BY THE OWNER PRIOR TO CONSTRUCTION]
- FLASHING AND STRIPPING CONFIGURATIONS SHOWN ON THE ARCHITECTURAL DRAWING SHEETS ARE PROVIDED TO CONVEY GENERAL FLASHING AND STRIPPING CONFIGURATIONS. REFER TO THE GENERAL SHEETS AND THE SPECIFICATIONS FOR SPECIFIC CONFIGURATIONS AND REQUIREMENTS.
- DETAILS NOT DEPICTED SHALL BE CONSTRUCTED IN A MANNER CONSISTENT WITH THE DETAIL DRAWINGS.
- 9. IF THERE IS A POTENTIAL HAZARDOUS MATERIAL ENCOUNTERED DURING THE COURSE OF WORK THAT IS NOT IDENTIFIED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR WILL STOP WORK IMMEDIATELY AND CONTACT THE OWNER WHO IS TO MAKE A DETERMINATION IF THE MATERIAL IS HAZARDOUS.
- 10. ALL DUMPSTERS MUST BE AT LEAST 15 FEET FROM THE BUILDING UNLESS EMPTIED AT THE END OF EACH WORK DAY.
- 11. MATERIALS MAY NOT BE STORED CLOSER THAN 15 FEET FROM BUILDINGS AND MAY NOT BE PLACED IN FRONT OF EXITS OR ANY FIRE PROTECTION EQUIPMENT. REFUELING OF GASOLINE POWERED EQUIPMENT WILL NOT BE PERMITTED ON THE ROOF. GASOLINE MUST BE STORED IN UL LISTED AND APPROVED CONTAINERS.
- DISCONNECT, REMOVE, STORE, PROTECT AND REINSTALL EXISTING ROOFTOP EQUIPMENT AND ASSOCIATED MECHANICAL/ELECTRICAL PENETRATIONS AND CONDUIT TO PROPERLY INSTALL REPLACEMENT ROOF SYSTEMS AND PROVIDE MINIMUM SPECIFIED FLASHING HEIGHTS. THE CONTRACTOR SHALL "LOCK-OUT" ALL MECHANICAL ELECTRICAL EQUIPMENT, INCLUDING HVAC EQUIPMENT, PRIOR TO INITIATING WORK.

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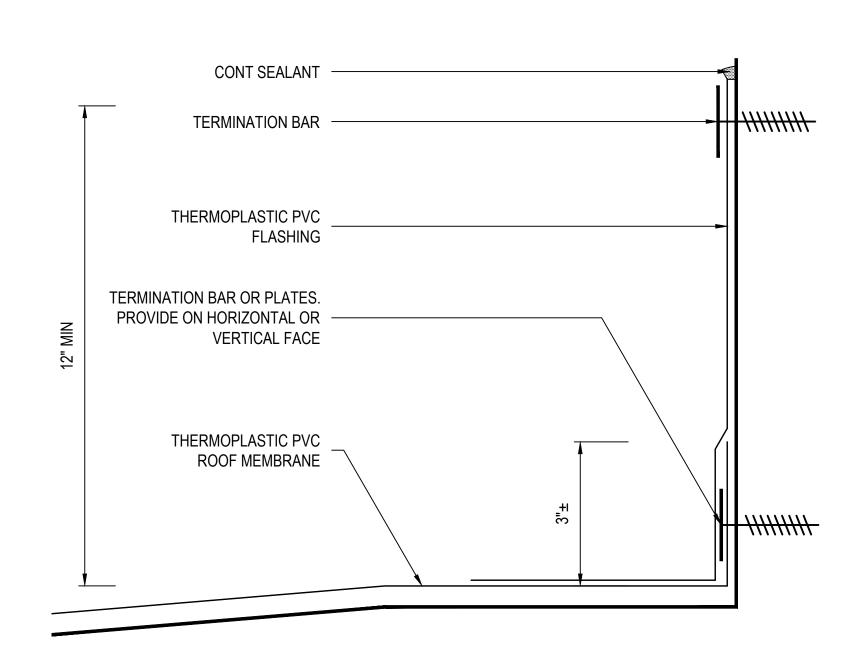
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STANDARD ABBREVIATIONS, LEGEND, SYMBOLS

GENERAL NOTES

G-002

DRAWING NO.

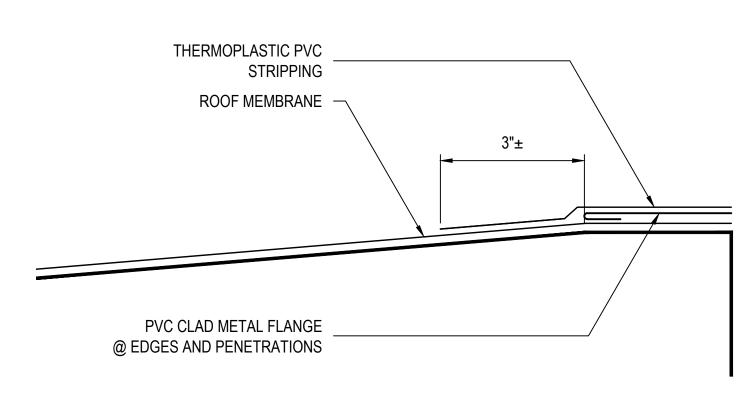


TYPICAL PVC BASE FLASHING

SCALE: 6" = 1'

Output

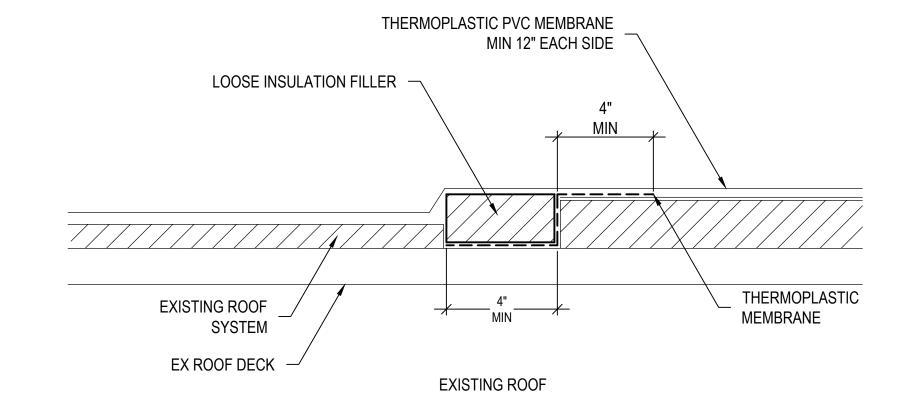
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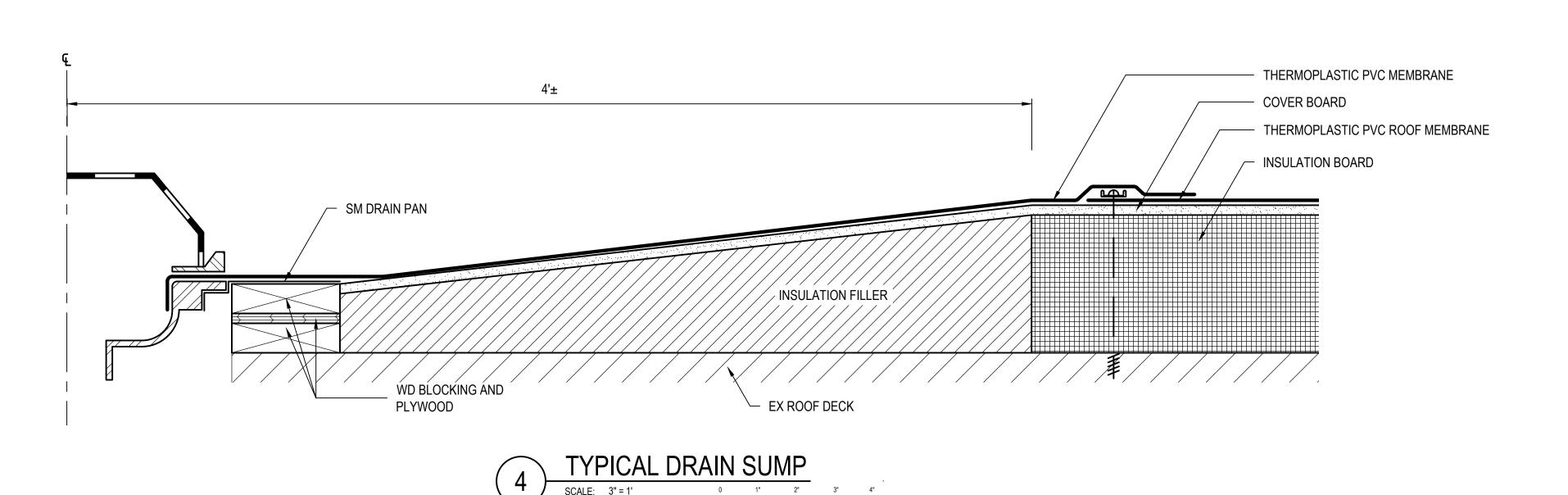
TYPICAL PVC STRIP FLASHING

SCALE: 6" = 1'

1 2" 3" 4"



TYPICAL TEMPORARY TIE-IN CONSTRUCTION



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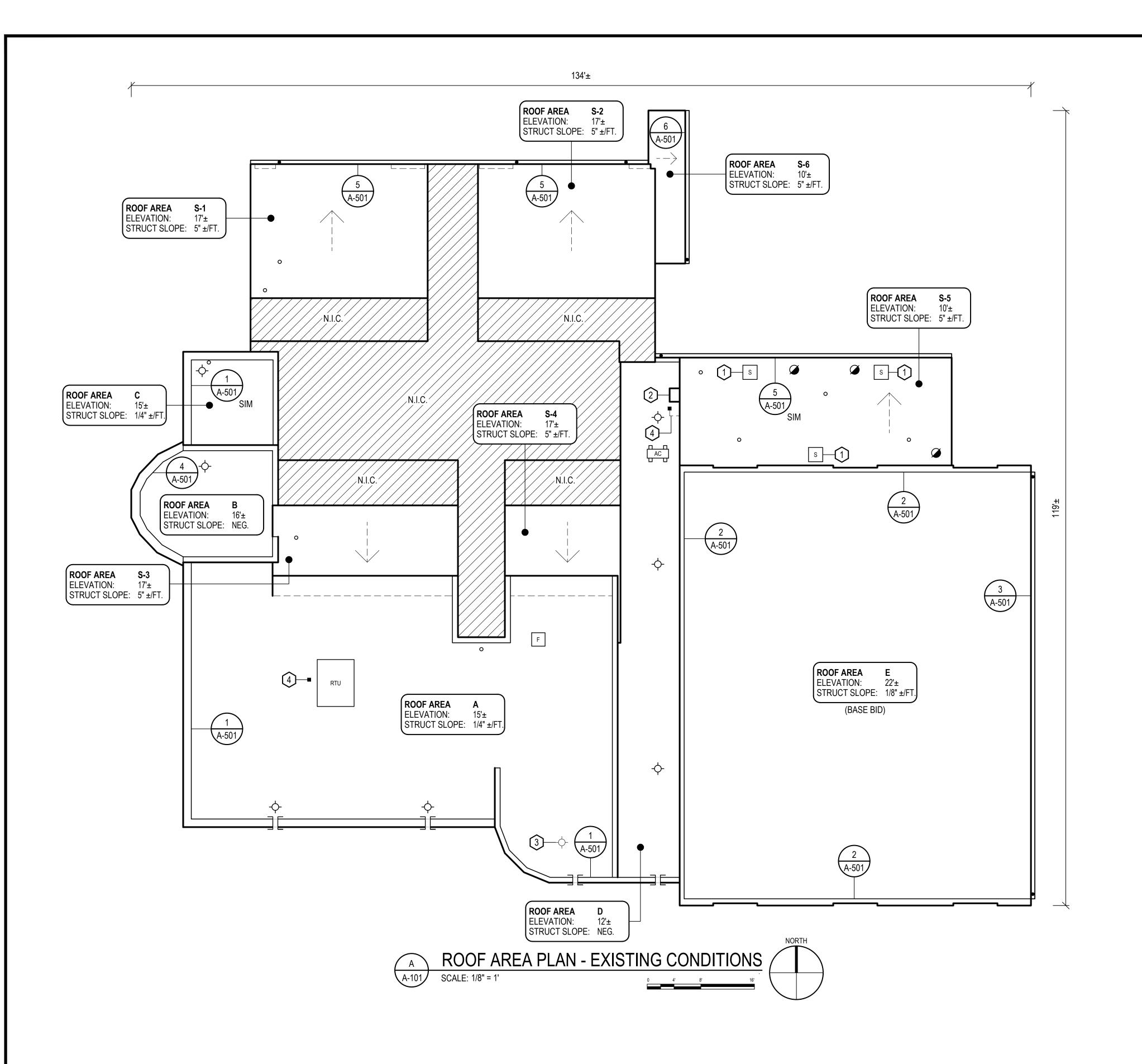
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GRAPHIC SCALE

TYPICAL FLASHING CONFIGURATIONS

> DRAWING NO. G-003



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GRAPHIC SCALE

DRAWING SCALE 1/8" = 1'

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DESCRIPTION

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SHEET TITLE

ROOF AREA PLAN **EXISTING** CONDITIONS

DRAWING NO.

A-101

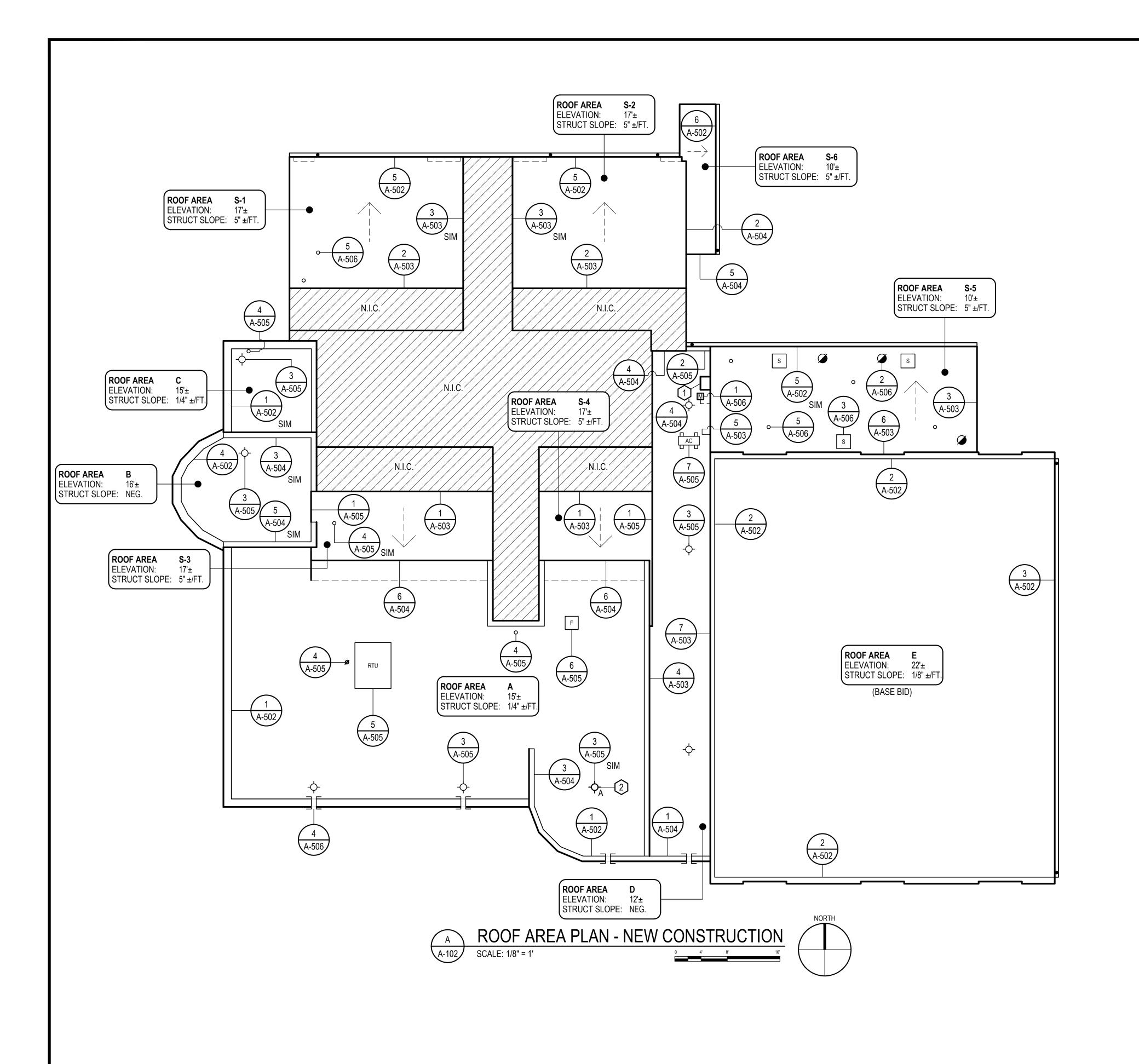
KEYNOTES

REMOVE EXISTING SKYLIGHT AND ASSOCIATED CURB IN PREPARATION FOR NEW SKYLIGHTS AND CURBS.

REMOVE EXISTING SHEET METAL CURB COVER IN PREPARATION FOR NEW SHEET METAL CURB COVER.

REMOVE EXISTING ROOF DRAIN IN PREPARATION FOR NEW ROOF DRAIN LOCATION.

REMOVE EXISTING POURABLE SEALER POCKET.



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656470 LP A1x

7/11/2024

SHEET TITLE

ROOF AREA

PLAN

NEW

CONSTRUCTION

DRAWING NO.

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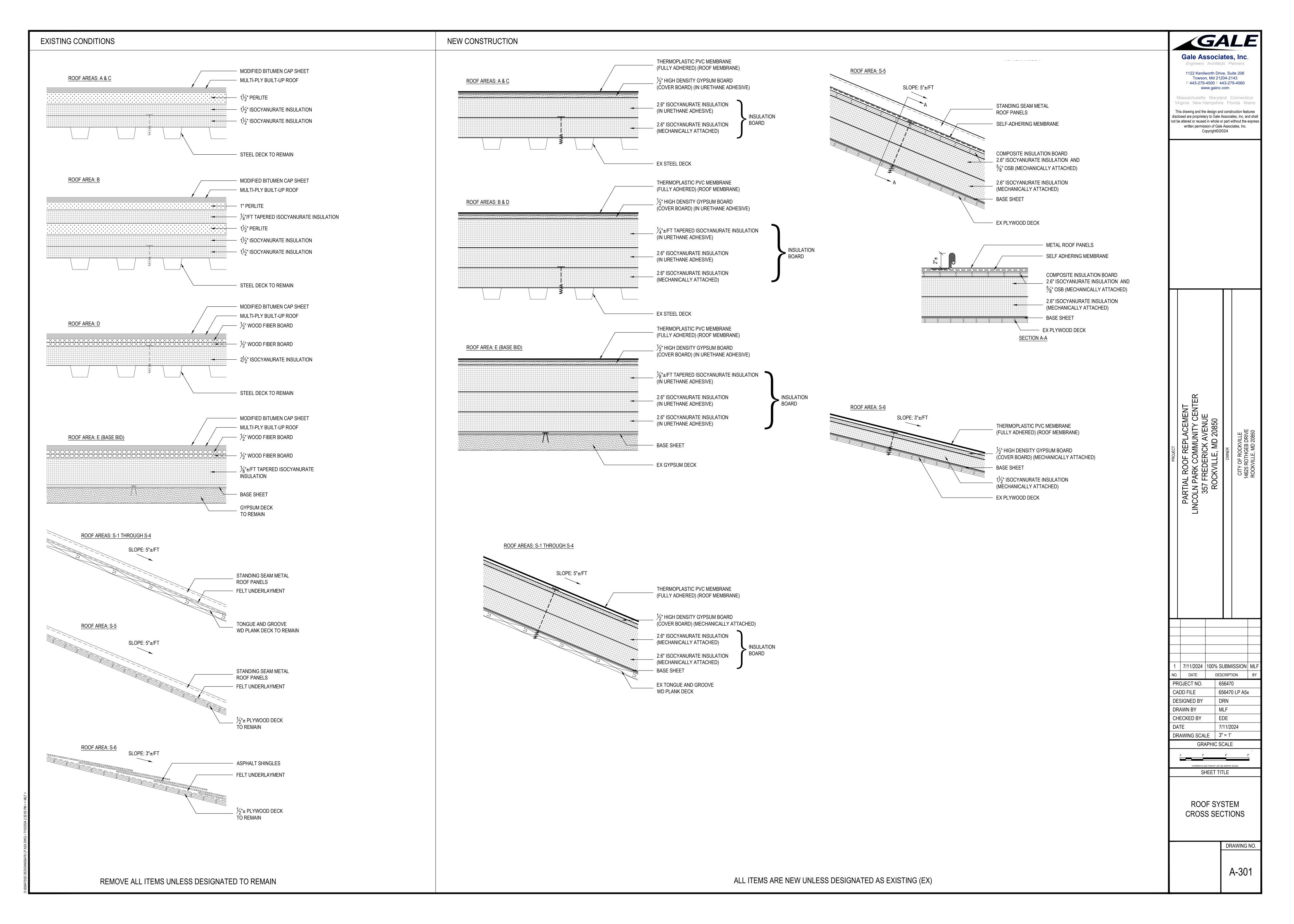
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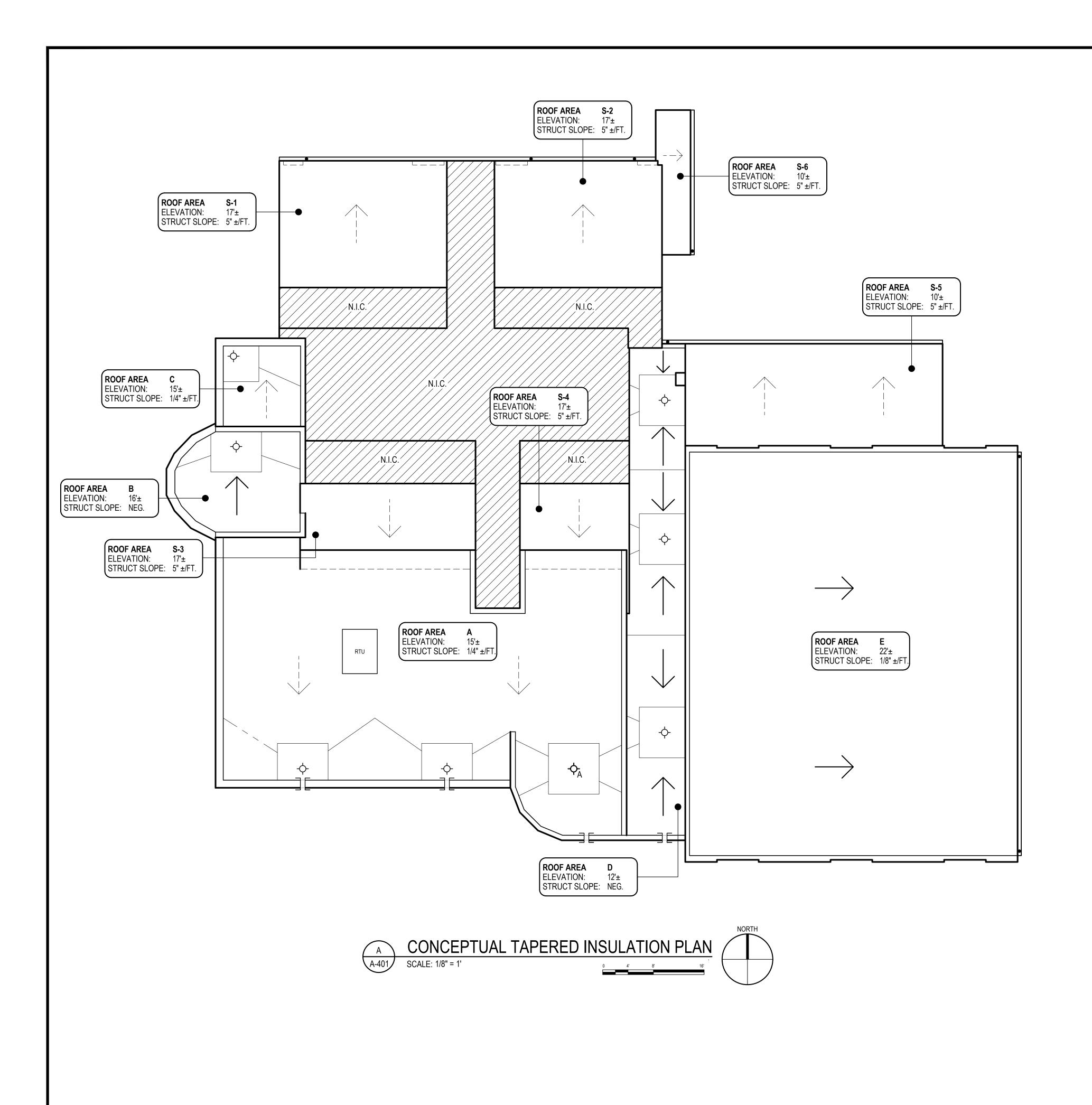
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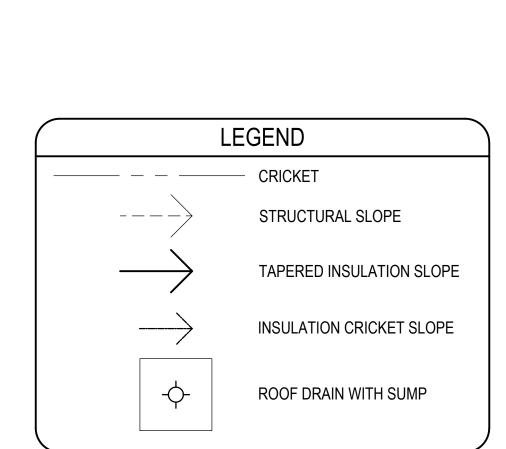
KEYNOTES

PROVIDE NEW SHEET METAL CURB COVER AT ABANDONED CURB LOCATION.

RELOCATE AND PROVIDE NEW ROOF DRAIN IN LINE WITH EXISTING DRAINS ON AREA A, THIS LOCATION.







NOTES

PROVIDE CRICKETS ON UPSLOPE SIDE OF ALL ROOF TOP PENETRATIONS AND SADDLES BETWEEN ALL ROOF DRAINS AND SCUPPERS.

- 2. PROVIDE 8 FOOT WIDE MIN. CRICKETS AND SADDLES UNLESS OTHERWISE
- INDICATED.
- 3. PROVIDE 8 FT X 8 FT DRAIN SUMPS AT ALL INTERIOR ROOF DRAINS AND SCUPPERS.
- 4. THE TAPERED CRICKET LAYOUT IS CONCEPTUAL IN NATURE AND INTENDED TO PROVIDE A BASIC CONCEPT FOR BIDDING PURPOSES. THE ACTUAL LAYOUT MAY VARY FROM THAT SHOWN.
- 5. FIELD VERIFY PROPOSED AUGMENTING DRAIN LOCATIONS.
 SUBMIT SHOP DRAWINGS SHOWING COORDINATED DRAIN AND
 PIPING LOCATIONS FOR REVIEW PRIOR TO MOBILIZATION.
- 6. PROVIDE CRICKET OR INSULATION MATERIAL ALONG PERIMETER ROOF EDGE AS REQUIRED TO PROVIDE A SMOOTH TRANSITION AT ROOF EDGES.

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ATIONS FOR REVIEW PRIOR TO MOBILIZATION.

RICKET OR INSULATION MATERIAL ALONG
ROOF FDGE AS REQUIRED TO PROVIDE A SMOOTH

A-401

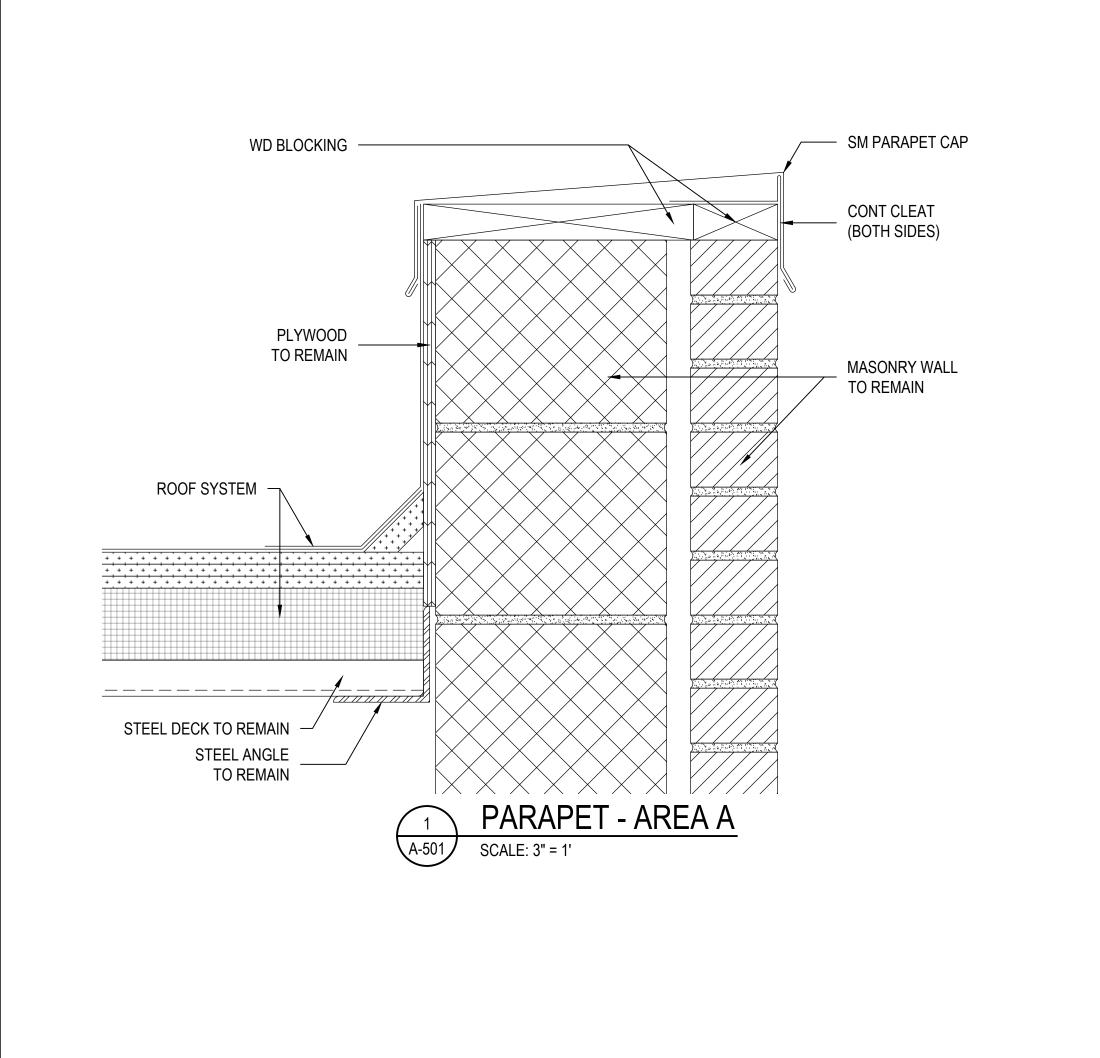
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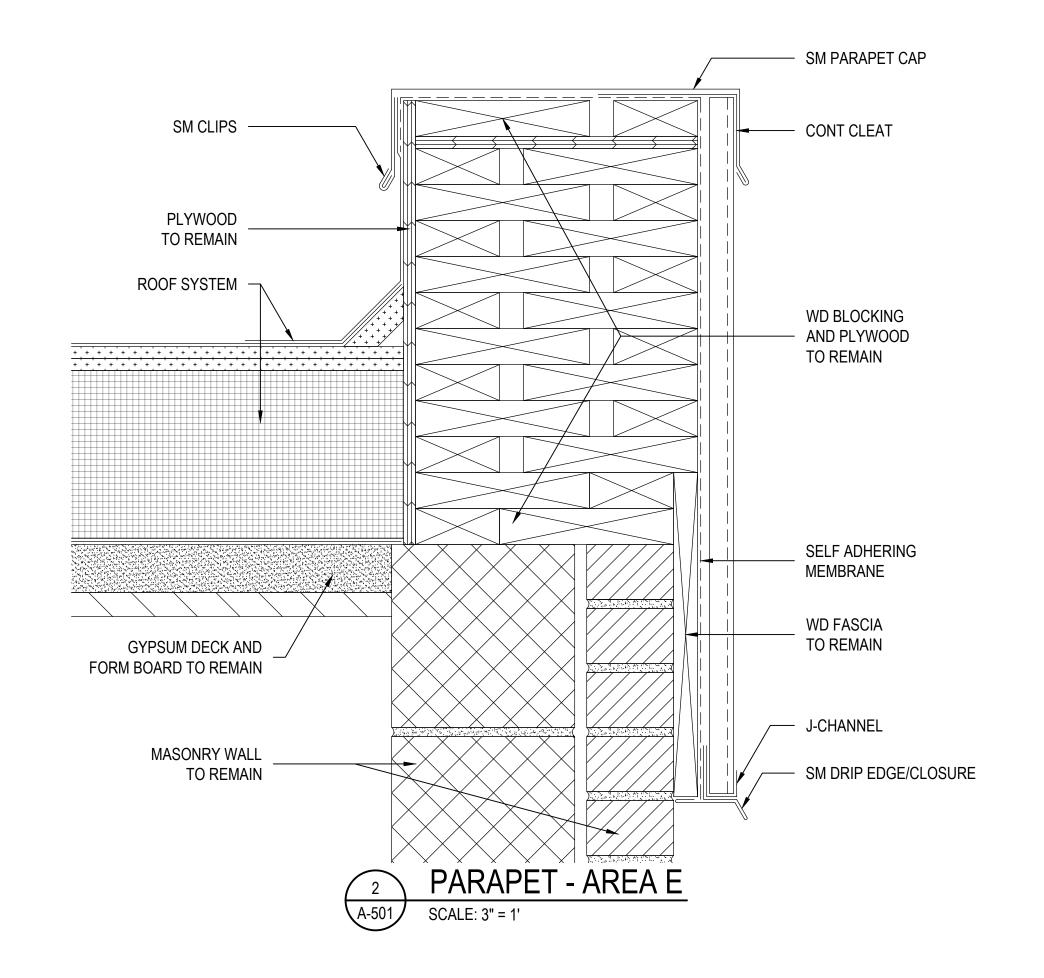
CONCEPTUAL

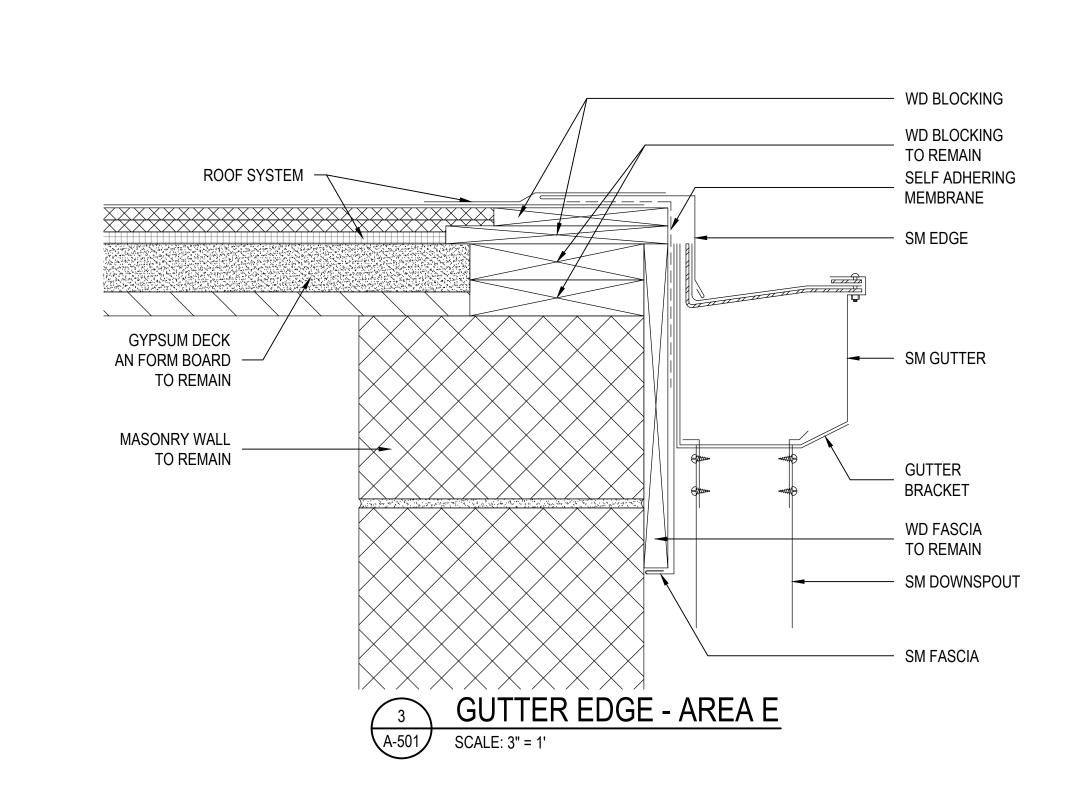
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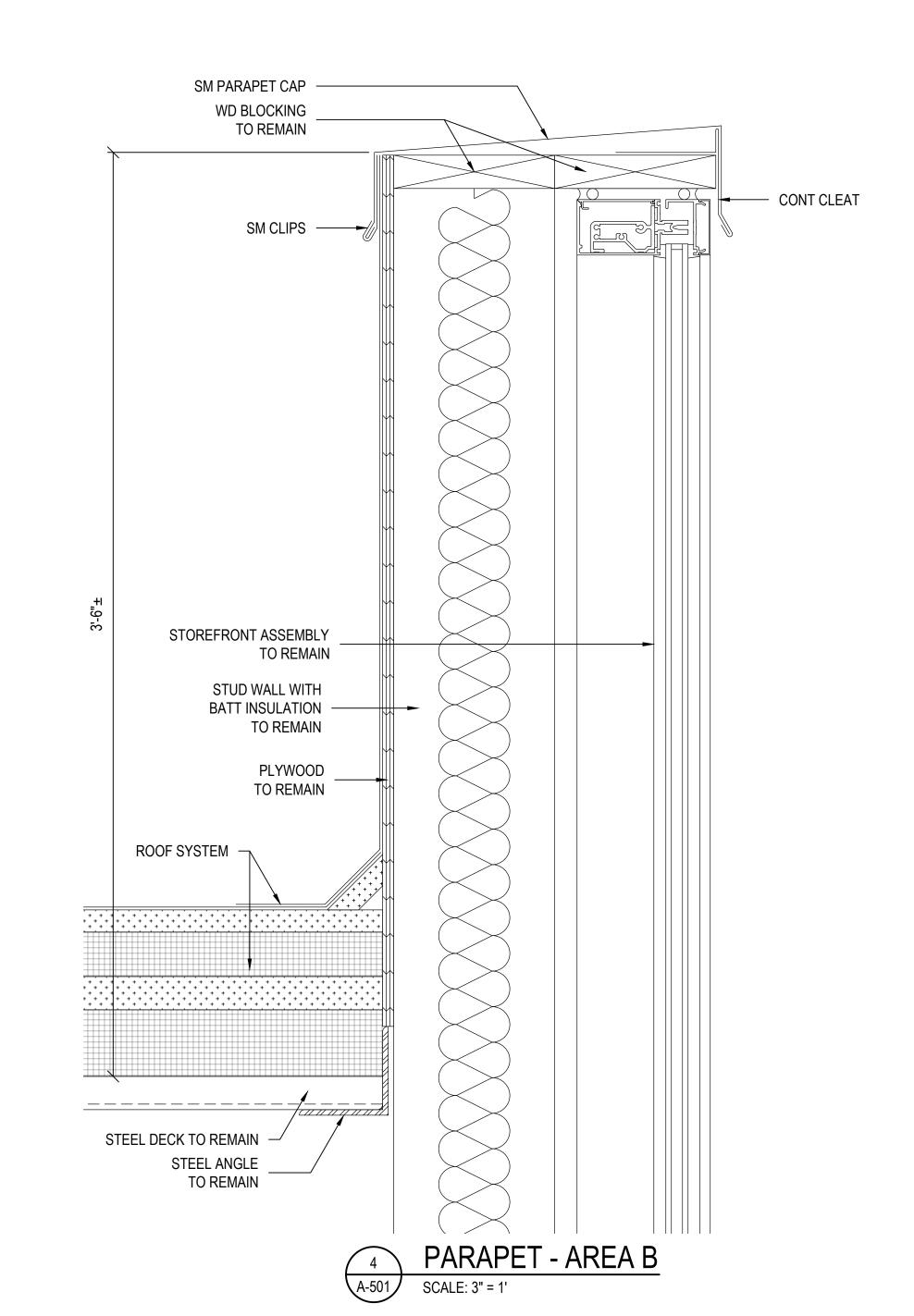
INSULATION

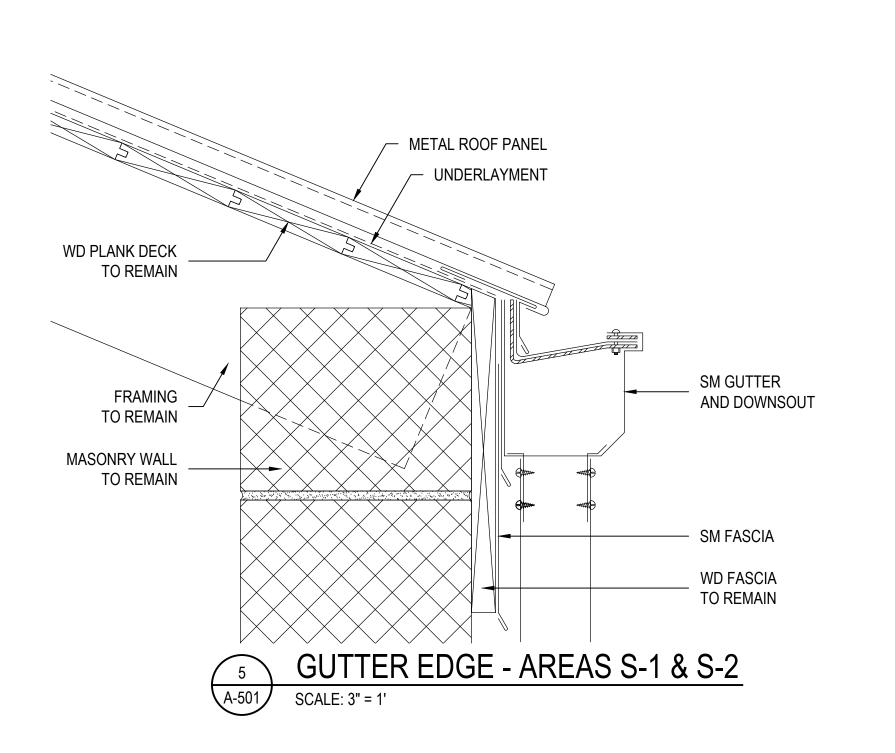
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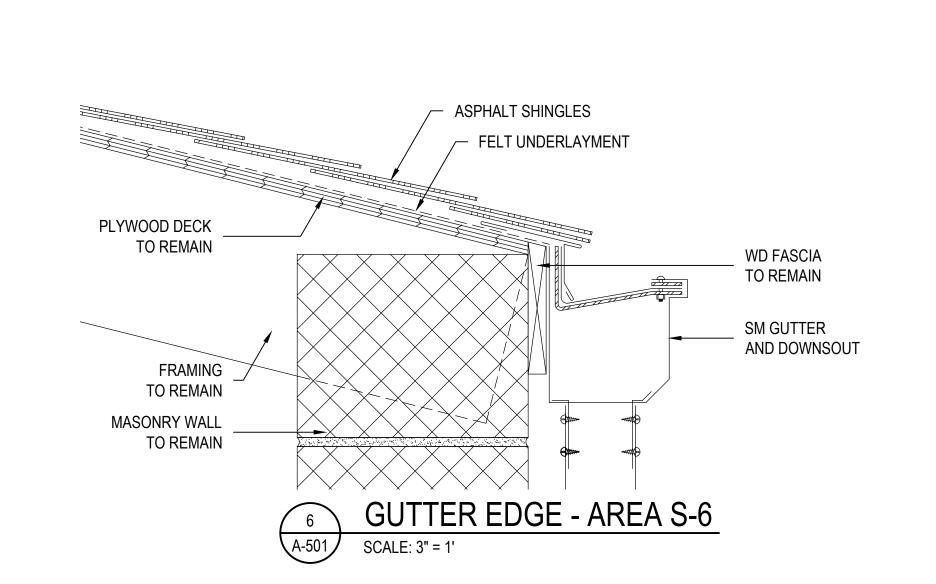












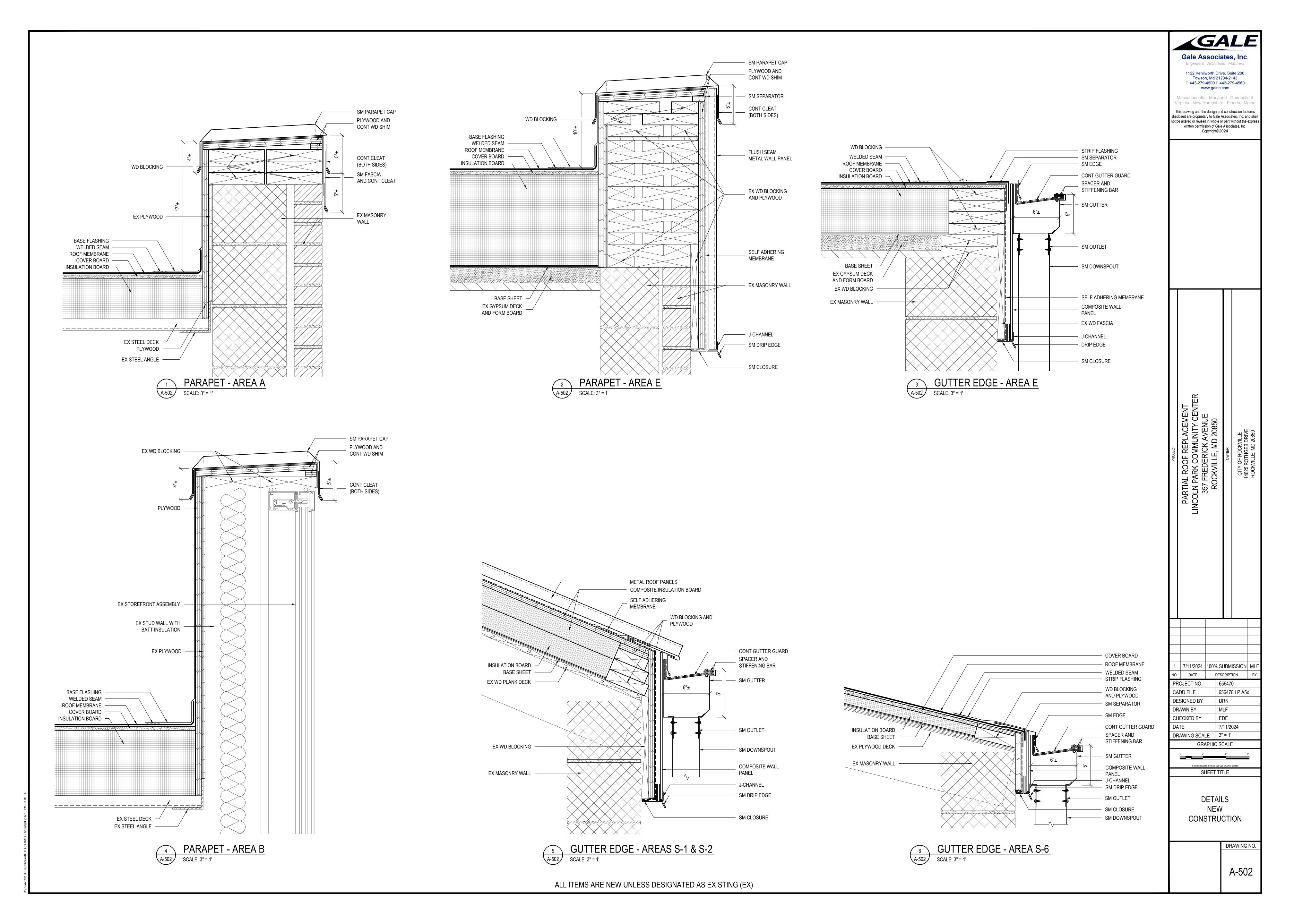
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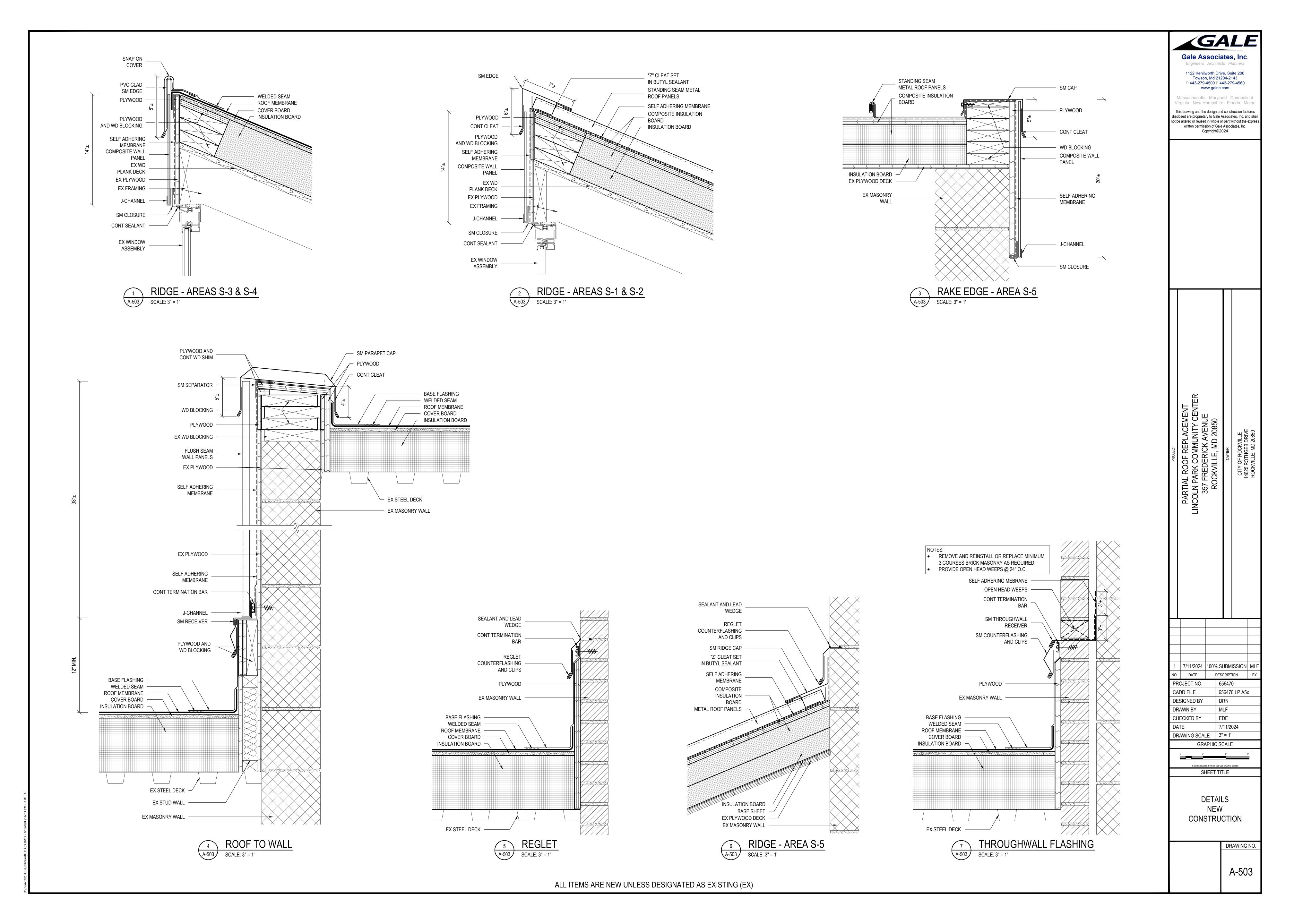
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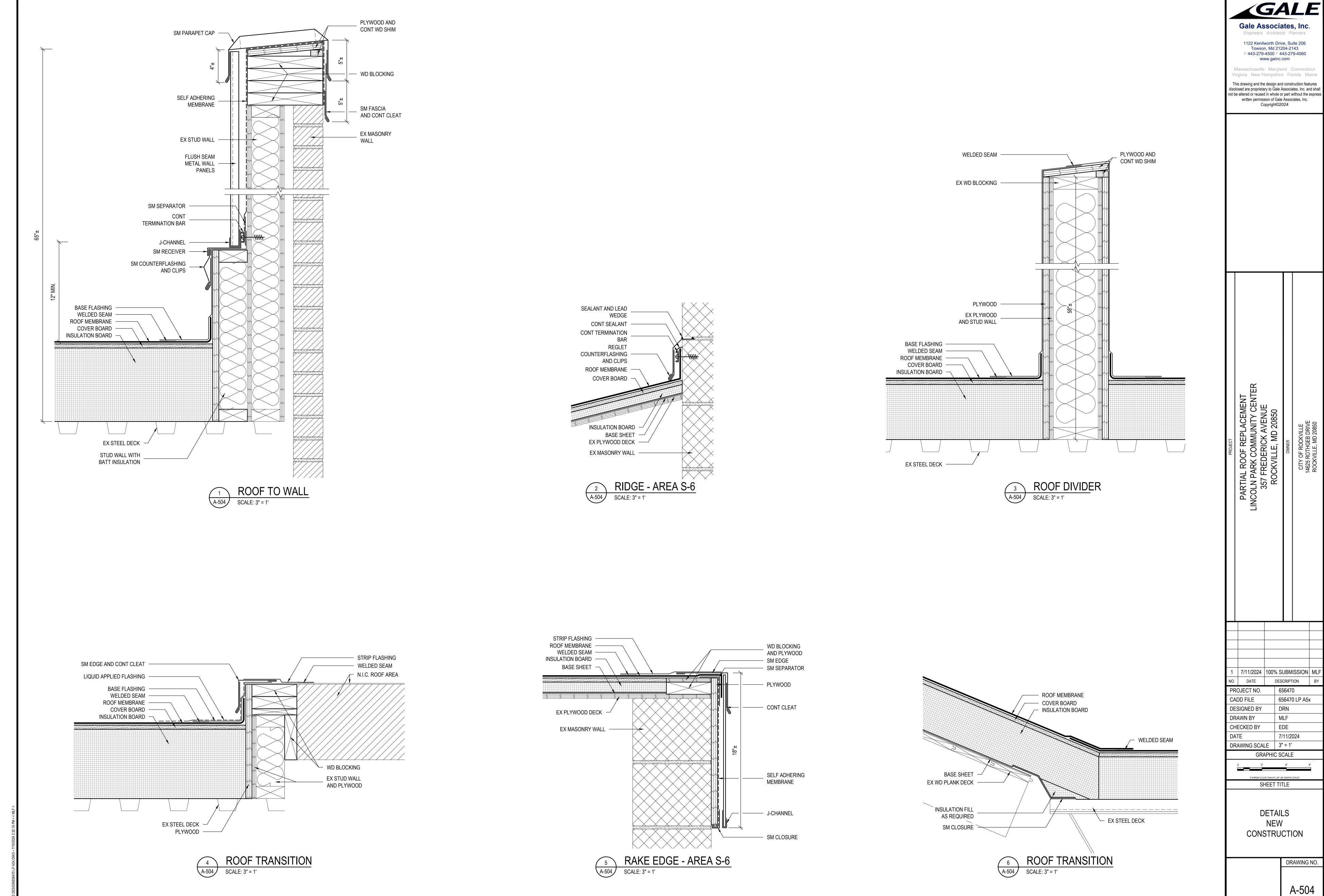
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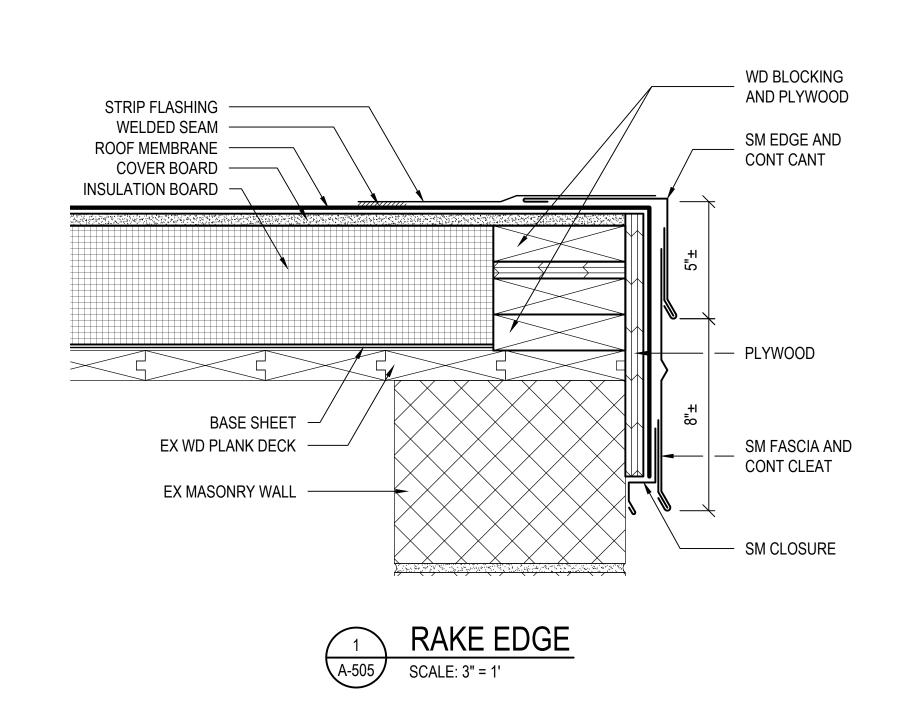
REMOVE ALL ITEMS UNLESS DESIGNATED TO REMAIN

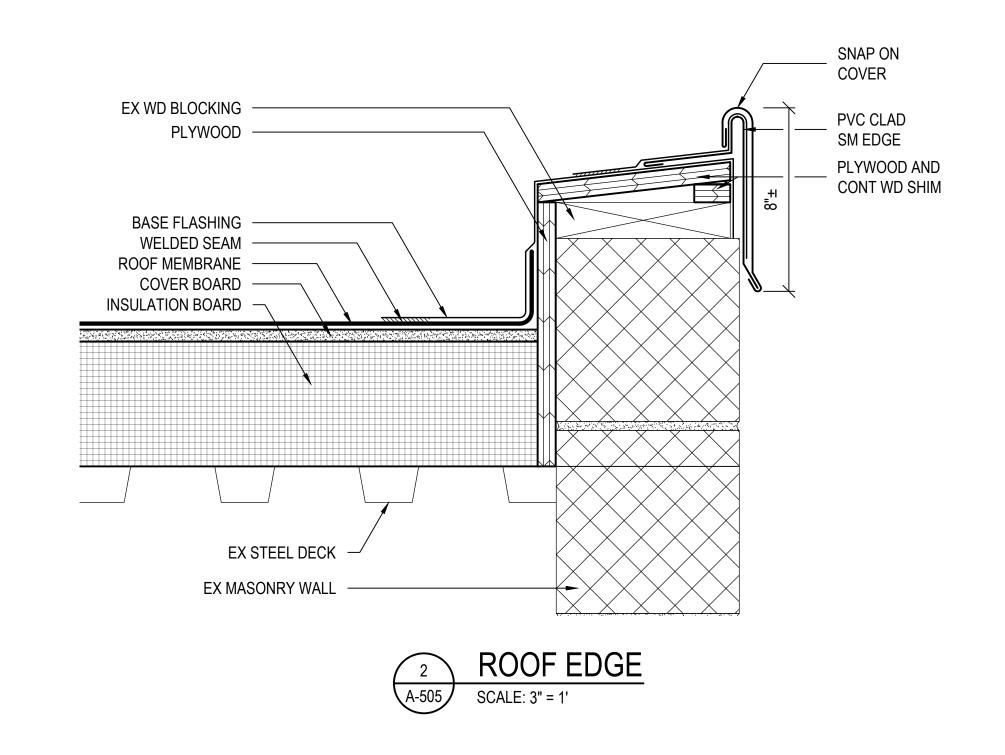


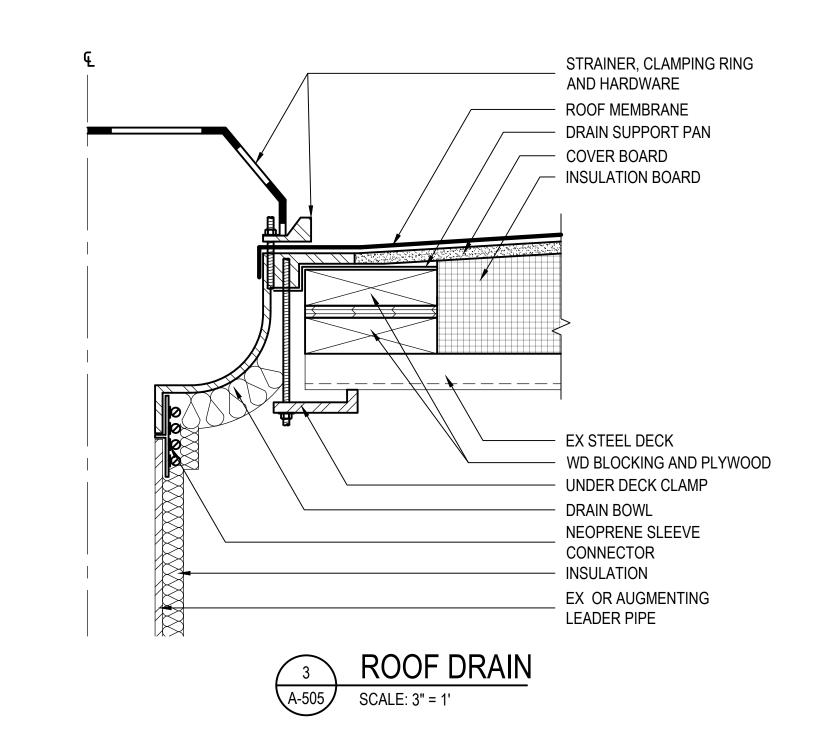


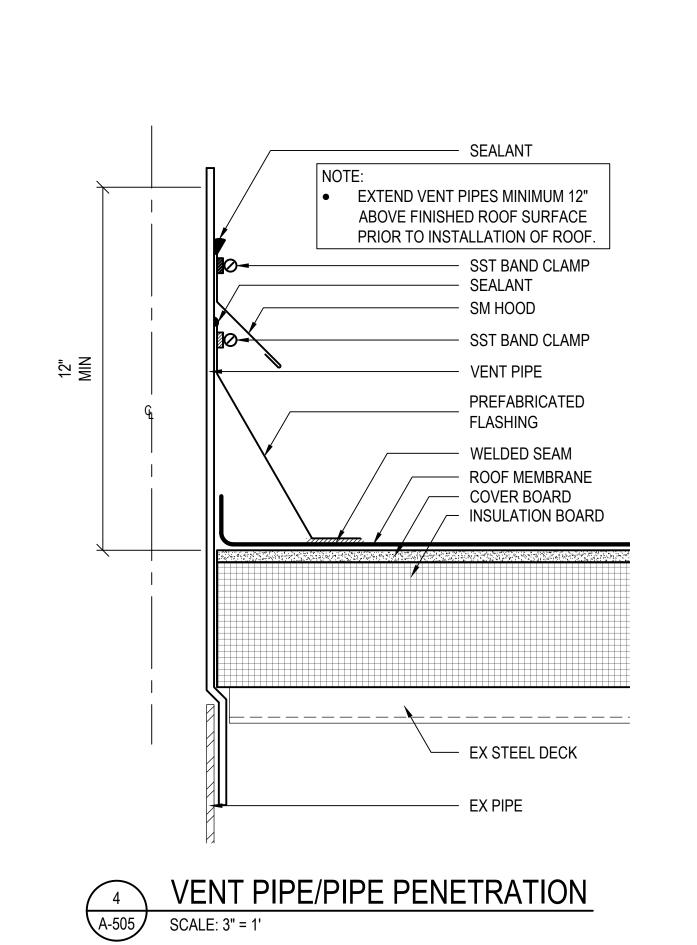


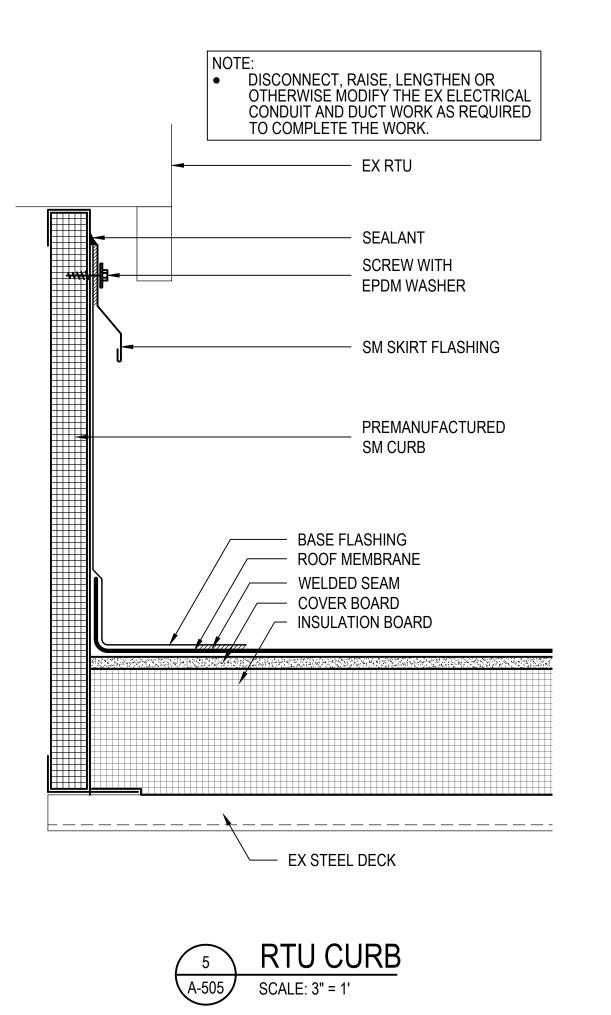
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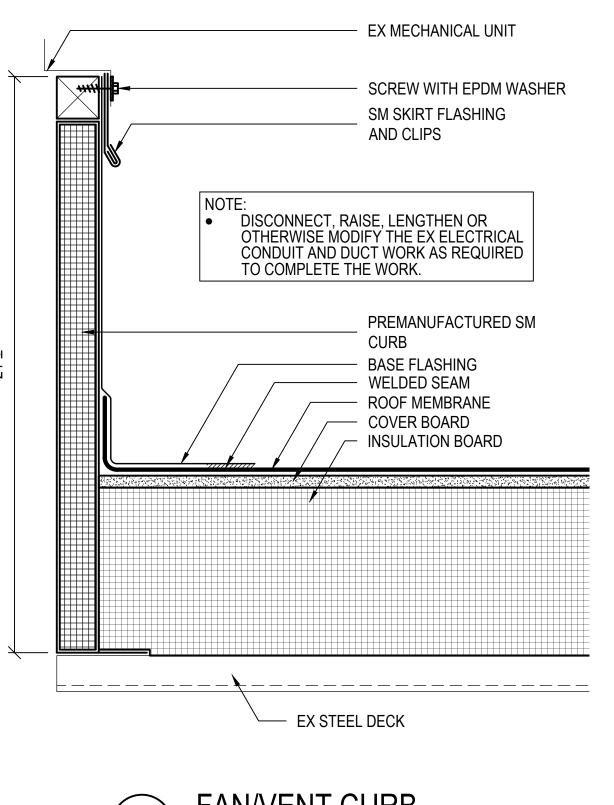


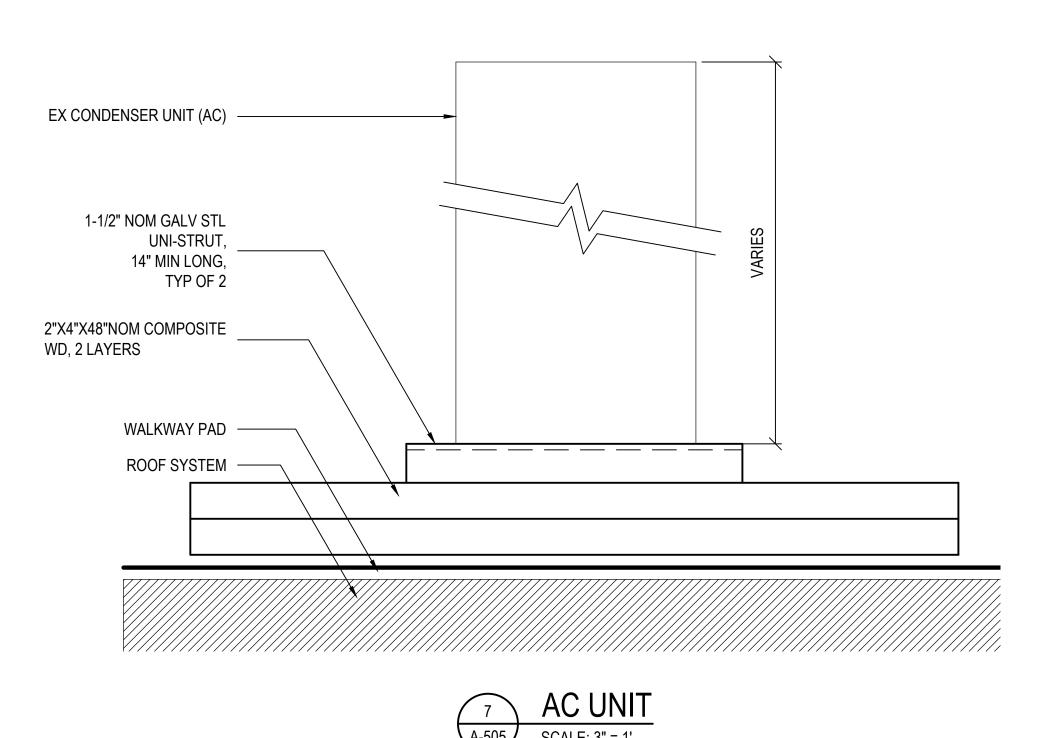












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ALL ITEMS ARE NEW UNLESS DESIGNATED AS EXISTING (EX)

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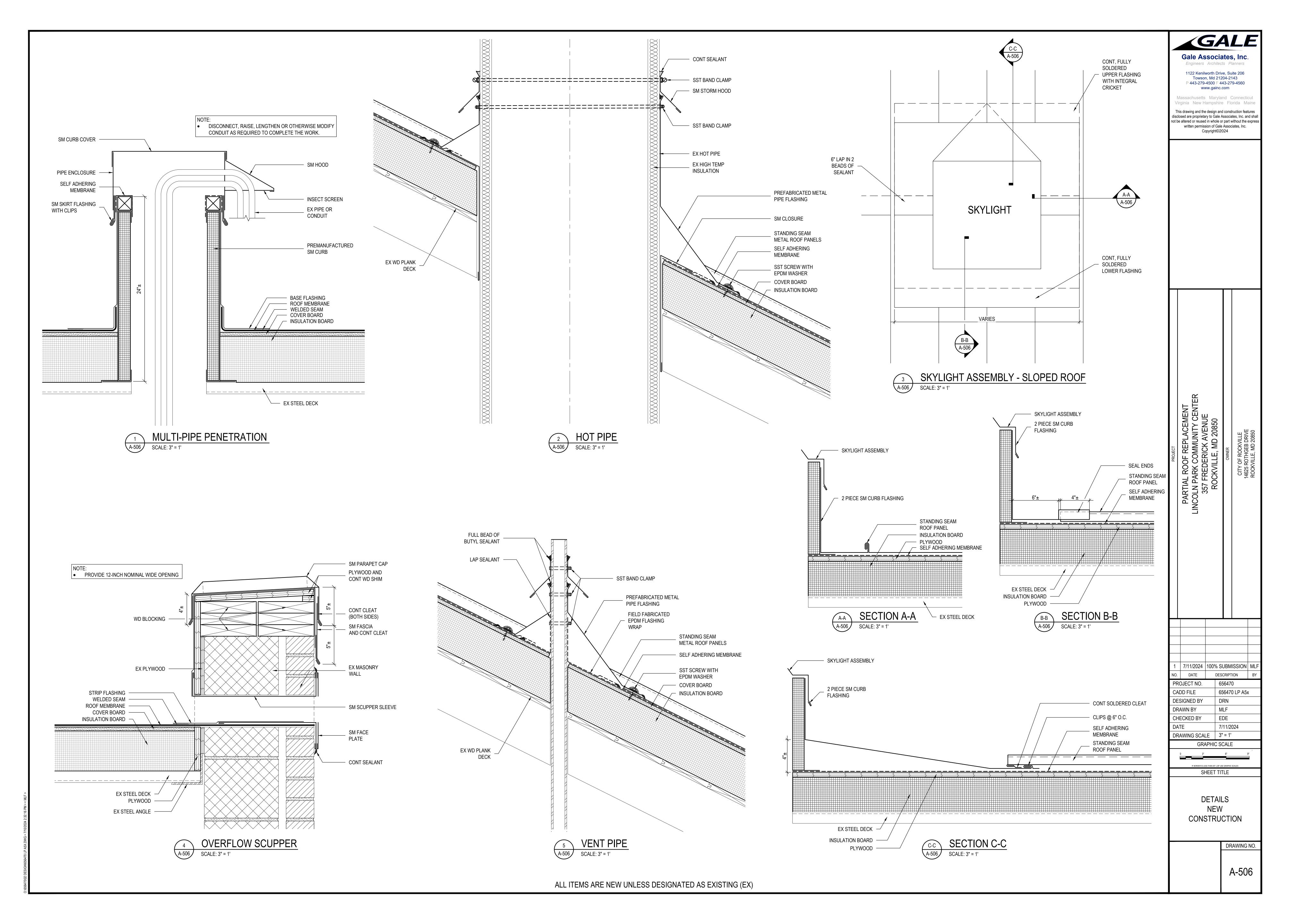
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ELECTRICAL NOTES

GENERAL NOTES

- THE WORK TO BE DONE SHALL INCLUDE THE FURNISHING OF ALL LABOR. MATERIALS. APPLIANCES, EQUIPMENT, TOOLS, TRANSPORTATION, SUPERINTENDENTS AND SERVICES REQUIRED TO CONSTRUCT, INSTALL AND TO MODIFY THE ELECTRICAL SYSTEMS AS HEREIN SPECIFIED AND SHOWN ON THESE DRAWINGS FOR A COMPLETE OPERATIONAL SYSTEM. COORDINATE WORK TO BE PERFORMED OR INSTALLED BY OTHERS AFFECTING THE ELECTRICAL WORK AND PROVIDE AND INSTALL ALL NECESSARY ANCHORS, SLEEVES, HANGERS, ETC. FOR ATTACHING OR CONNECTING ELECTRICAL WORK TO RELATED WORK OF OTHER TRADES.
- ALL ELECTRICAL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE LATEST ADOPTED NATIONAL ELECTRICAL CODE AND ALL OTHER LOCAL CODES AND AUTHORITIES HAVING JURISDICTION.
- THE DRAWINGS, WHICH CONSTITUTE A PART OF THIS CONTRACT, INDICATE THE GENERAL ARRANGEMENT OF CIRCUITS AND LOCATIONS OF OUTLETS, SWITCHES, PANELBOARDS, CONDUIT AND OTHER WORK. ALL ITEMS NOT SPECIFICALLY MENTIONED HEREIN, WHICH ARE ACCESSORY TO MAKE A COMPLETE WORKING INSTALLATION, SHALL BE INCLUDED AT NO EXTRA COST.
- IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO EXAMINE AND TO COORDINATE WITH THE ARCHITECTURAL, MECHANICAL, AND PLUMBING AND DRAWINGS AND THE DRAWINGS OF ALL OTHER TRADES IN ORDER TO BECOME FAMILIAR WITH ALL ASPECTS OF THE DESIGN AFFECTING THE ELECTRICAL WORK.
- CONTRACTOR SHALL COORDINATE MOUNTING HEIGHTS AND LOCATIONS OF ALL NEW ELECTRICAL DEVICES WITH ARCHITECTURAL ELEVATIONS AND DRAWINGS PRIOR TO COMMENCEMENT OF WORK. DEVICES INCLUDE BUT ARE NOT LIMITED TO RECEPTACLES, SWITCHES, FIXTURES AND TELE/DATA OUTLETS.
- ALL ELECTRICAL MATERIALS SHALL BE NEW EXCEPT WHERE SPECIFICALLY NOTED AS EXISTING TO BE REUSED. ALL MATERIAL SHALL BE LISTED BY THE UNDERWRITERS LABORATORIES, INC. (UL). DEFECTIVE EQUIPMENT AND/OR EQUIPMENT DAMAGED DURING INSTALLATION AND/OR TESTING SHALL BE REPLACED OR REPAIRED IN A MANNER MEETING THE APPROVAL OF THE ARCHITECT AND THE ENGINEER. WHERE APPLICABLE, ALL EQUIPMENT SHALL BE IN ACCORDANCE WITH NEMA STANDARDS.
- ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE.
- ALL WORK SHALL BE INSTALLED IN A NEAT AND WORKMANLIKE MANNER.
- INSTALL A FIRE STOP OF ROCKWOOL FIBER OR SILICON FOAM SEALANT TO PROVIDE AN EFFECTIVE BARRIER AGAINST THE SPREAD OF FIRE AND SMOKE WHERE CONDUITS, WIREWAYS, AND OTHER ELECTRICAL RACEWAYS PASS THROUGH FIRE RATED PARTITIONS AND/OR SLABS.
- ALL CERTIFICATES OF APPROVAL SHALL BE IN TRIPLICATE, DELIVERED TO THE ENGINEER, AND BECOME THE PROPERTY OF THE OWNER.
- CONTRACTOR SHALL VERIFY ALL EQUIPMENT REQUIREMENTS BEFORE INSTALLING CONDUIT OR CONDUCTORS FROM POWER SOURCE TO **EQUIPMENT TERMINATION.**
- THE CONTRACTOR SHALL X-RAY SLAB IN AREA OF PENETRATION PRIOR TO CORE DRILLING AND COORDINATE WITH EQUIPMENT IN CEILING SPACE BELOW TO CHECK FOR OBSTRUCTIONS.
- CONDUCTOR INSTALLATION: HOMERUNS TO THE PANELBOARD MAY BE RUN TOGETHER IN ONE CONDUIT.
- PROVIDED ALL CONNECTIONS ARE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND LOCAL ELECTRICAL CODE REQUIREMENTS, AND THE MAXIMUM UNBALANCED CURRENT IN NEUTRAL DOES NOT EXCEED THE CAPACITY OF THE WIRE, NO MORE THAN 3 SINGLE PHASE CIRCUIT SHALL BE INSTALLED IN ONE RACEWAY, ELIMINATE SPLICES WHEREVER POSSIBLE, AND WHERE NECESSARY. SPLICE IN READILY ACCESSIBLE PULL, JUNCTION OR OUTLET BOX.
- MODIFICATIONS TO EXISTING PANELBOARDS: THE CONTRACTOR SHALL PROVIDE NEW CIRCUIT BREAKERS AND/OR FUSED SWITCHES AS REQUIRED. NEW EQUIPMENT SHALL MATCH EXISTING INSTALLED EQUIPMENT AND SHALL BE OF THE SAME MANUFACTURER AND TYPE AS SIMILAR EXISTING EQUIPMENT. INTERRUPT RATING OF EQUIPMENT SHALL BE THE SAME AS OF THE EXISTING EQUIPMENT.
- INTERRUPTION OF ELECTRICAL POWER: THE CONTRACTOR SHALL COORDINATE ALL WORK REQUIRING INTERRUPTION OF ELECTRICAL POWER WITH THE BUILDING OWNER AND SHALL OBTAIN WRITTEN PERMISSION FROM THE BUILDING OWNER PRIOR TO SHUTTING DOWN POWER TO ANY SWITCHBOARD. THE CONTRACTOR SHALL ALSO PROVIDE NOTICE TO ALL OTHER TRADES OF ALL SCHEDULED INTERRUPTIONS OF POWER.
- SITE VISIT: PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR SHALL VISIT THE SITE AND FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS. THE ELECTRICAL CONTRACTOR SHALL NOTIFY THE ARCHITECT AND/OR ENGINEER IN ADVANCE OF ANY CONDITIONS THAT EXIST THAT WOULD PREVENT THE WORK HEREIN SPECIFIED OR SHOWN ON THE DRAWINGS FROM BEING PERFORMED. FAILURE TO SURVEY THE SITE PRIOR TO BID AND START OF CONSTRUCTION WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO INSTALL DESIGN WITHIN THE CONFINES OF THE EXISTING CONDITIONS.
- GUARANTEE: THE CONTRACTOR SHALL LEAVE THE ENTIRE ELECTRICAL SYSTEM INSTALLED UNDER THIS CONTRACT IN PROPER WORKING ORDER AND SHALL. WITHOUT CHARGE, REPLACE ANY WORK OR MATERIALS WHICH DEVELOP DEFECTS, EXCEPT FROM ORDINARY WEAR AND TEAR, WITHIN ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE. BENEFICIAL USE SHALL NOT BE CONSTRUED AS FINAL ACCEPTANCE. THE ELECTRICAL CONTRACTOR SHALL, DURING THE ONE YEAR GUARANTEE PERIOD, BE RESPONSIBLE FOR THE PROPER REPAIR AND ADJUSTMENTS OF ALL ELECTRICAL SYSTEMS AND EQUIPMENT, APPARATUS, DEVICES, ETC. INSTALLED BY HIM, AND DO ALL WORK NECESSARY TO ENSURE EFFICIENT AND PROPER FUNCTIONING. PRIOR TO THE EXPIRATION OF THE GUARANTEE PERIOD, APPROXIMATELY 11 MONTHS AFTER FINAL ACCEPTANCE OF
- THE CONTRACTOR SHALL FURNISH PERSONNEL TO ASSIST THE OWNER IN THIS REVIEW. ANY ADJUSTMENTS, REPAIRS OR REPLACEMENTS FOUND NECESSARY DURING REVIEW SHALL BE DONE BY THE CONTRACTOR, AT NO ADDITIONAL COST TO

THIS PROJECT, A POST CONSTRUCTION REVIEW OF THE PROJECT WILL BE MADE.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR, AND SHALL INCUR FINANCIAL RESPONSIBILITY FOR ANY DAMAGES CAUSED BY, OR RESULTING FROM, DEFECTS IN
- THE CONTRACTOR SHALL MAINTAIN AT THE SITE, FOR THE OWNER, ONE COPY OF ALL DRAWINGS, ADDENDA, APPROVED SHOP DRAWINGS, REVISIONS AND OTHER MODIFICATIONS, IN GOOD ORDER AND MARKED TO RECORD ALL CHANGES MADE DURING CONSTRUCTION. THE SET OF DRAWINGS AND OTHER INFORMATION SHALL BE DELIVERED TO THE OWNER AND ONE COPY GIVEN TO THE ENGINEER UPON COMPLETION OF WORK.
- ALL CONDUCTORS SHALL BE COPPER, CONFORMING TO THE LATEST REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE, STRANDED FOR NO. 8 AWG AND LARGER, SOLID FOR NO. 10 AWG AND SMALLER.
- ALL WIRING SHALL BE INSTALLED IN CONDUIT (EMT WITH STEEL COMPRESSION FITTINGS OR TYPE MC CABLE 6' MAX). MINIMUM CONDUIT SIZE SHALL BE 3/4". ALL CONDUIT AND WIRING SHALL BE CONCEALED IN CEILINGS AND/OR WALLS UNLESS SPECIFICALLY NOTED OTHERWISE. CHANNEL EXISTING WALLS WHERE REQUIRED. WHERE WIRING RUNS ARE EXPOSED DUE TO THE LACK OF A NEW FINISHED CEILING, EMT SHALL BE USED. INSTALL ALL CONDUITS IN RUNS WHICH ARE PARALLEL AND PERPENDICULAR WITH BUILDING LINES.

ELECTRICAL NOTES

DEMOLITION NOTES

- ALL EXISTING INSTALLATIONS WHICH ARE TO BE REMOVED, ABANDONED. RELOCATED, AND/OR CAPPED SHALL BE EXECUTED BEHIND FINISHED SURFACES. ALL SUCH WORK SHALL BE EXECUTED IN A PERMANENT MANNER. NO EXISTING CONDUIT TO BE ABANDONED SHALL BE LEFT OPEN AND NO UNUSED CONDUCTORS SHALL BE ABANDONED IN PLACE WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER.
- IN ALL AREAS WHERE DEMOLITION WORK OCCUR, PATCH AND REPAIR TO MATCH NEW FINISH OR EXISTING FINISHES WHICH ARE TO REMAIN.
- ALL DEMOLITION WORK SHALL BE COORDINATED WITH THE ARCHITECTURAL AND OTHER SECTIONS OF THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF ANY DISCOVERED CONFLICTS BETWEEN EXISTING INSTALLATIONS WHICH ARE NOT SCHEDULED FOR DEMOLITION AND THE NEW WORK INDICATED WITHIN THE CONTRACT DOCUMENTS. SUCH NOTIFICATION SHALL BE ACCOMPANIED WITH A DRAWING DELINEATING THE PROPOSED SOLUTION PRIOR TO STARTING ANY WORK IN THE AFFECTED AREA.
- THE CONTRACTOR SHALL PROVIDE A PROPOSED SCHEDULE OF DEMOLITION WORK FOR REVIEW BY THE OWNER.

FIXTURES AND POWER EQUIPMENT AFFECTED BY THE DEMOLITION.

- ANY ADDITIONAL DEMOLITION WORK DEEMED NECESSARY AND NOT INCLUDED WITHIN THE SCOPE OF THE CONTRACT DOCUMENTS SHALL BE EXECUTED ONLY UPON
- RECEIPT OF WRITTEN AUTHORIZATION FROM THE OWNER. CONTRACTOR IS TO ASSURE THE CONTINUITY OF POWER TO REMAINING LIGHTING
- ALL LIGHTING. POWER. DATA AND TELEPHONE OUTLETS AND PUNCHBLOCKS INSIDE THE AREA OF CONTRACT SHOWN SHALL BE REMOVED REGARDLESS OF WHETHER
- FOR ALL LIGHTING AND POWER DEVICES INDICATED TO BE REMOVED, REMOVE DEVICE, BOX, RACEWAY/CONDUIT, WIRE AND ASSOCIATED SUPPORTS BACK TO THE NEXT ACTIVE DEVICE. IF THERE ARE NO ACTIVE DEVICES TO REMAIN ON THE CIRCUIT THE ASSOCIATED WIRING SHALL BE REMOVED BACK TO THE SOURCE PANELBOARD AND THE EXISTING BREAKER AT THE PANEL SHALL BE LABELED "SPARE". A NEW TYPED PANEL SCHEDULE SHALL THEN BE CREATED.

THEY ARE SHOWN ON THE PLAN DRAWING UNLESS NOTED OTHERWISE.

- ALL REMOVED LIGHT FIXTURES. WHICH ARE NOT RELOCATED/ REUSED. ON THIS PROJECT, SHALL BE CLEANED AND RETURNED TO THE BUILDING OWNER PRIOR TO BEGINNING NEW WORK.
- COORDINATE REMOVAL OF TELEPHONE/DATA OUTLETS WITH THE OWNER PRIOR TO

DEMOLITION

- NOTE: REFER TO DEMOLITION DRAWINGS & NOTES FOR REQUIREMENTS.
- EXISTING TO BE REMOVED.
- (E): EXISTING TO REMAIN.

A, AMP AMPERES

FLA FULL LOAD AMPERES

── CONDUIT UP

——⊸ GROUND

GENERAL CONTRACTOR

GROUND FAULT INRERRUPTER

G, GND GROUND

- (ER): EXISTING TO BE RELOCATED.
- (RE): RELOCATED EXISTING DEVICE IN NEW LOCATION.
- ---- ITEMS SHOWN DASHED INDICATE EXISTING TO BE REMOVED. LIGHT LINES INDICATE EXISTING TO REMAIN.

ABBREVIATIONS

IG ISOLATED GROUND

| AB ABOVE INCAND INCANDES AC ALTERNATE CURRENT KAIC KILOAMP II AFF ABOVE FINISHED FLOOR KVA KILOVOLT ARCH ARCHITECTURAL, ARCHITECT KW KILOWATT | NTERRUPTING CURRENT AMPERES S |
|--|-------------------------------------|
| AFF ABOVE FINISHED FLOOR KVA KILOVOLT | AMPERES S |
| | S |
| ARCH ARCHITECTURAL, ARCHITECT KW KILOWATT | |
| | |
| BEL BELOW LT(S) LIGHT(S) | |
| BKR BREAKER M METER | LIIT DDEAVED |
| C CONDUIT MCB MAIN CIRC | UII DREANER |
| CEIL CEILING MECH MECHANIC | CAL |
| CKT CIRCUIT MH MOUNTING | HEIGHT |
| CM CENTIMETER MLO MAIN LUGS | SONLY |
| DC DIRECT CURRENT MM MILLIMETE | R |
| D/S DISCONNECT SWITCH MTD MOUNTED | |
| DISC DISCONNECT SWITCH NEC NATIONAL | ELECTRICAL CODE |
| DWG DRAWING NO.,# NUMBER | |
| EC ELECTRICAL CONTRACTOR NTS NOT TO SO | CALE |
| EF EXHAUST FAN P POLE | |
| ELEC ELECTRICAL PH PHASE | |
| EM EMERGENCY PNL PANEL | |
| EQUIP EQUIPMENT RECEP RECEPTAGE | CLE |
| EXIST EXISTING RM ROOM | |
| FA FIRE ALARM TELE TELEPHON | IE |
| FACP FIRE ALARM CONTROL PANEL TYP TYPICAL | |
| FAAP FIRE ALARM ANNUNCIATOR PANEL UON UNLESS O | THERWISE NOTED |
| FIXT FIXTURE V VOLTS | |

CENIEDAL

W/ WITH

WATTS

WP WEATHERPROOF

| | GENERAL |
|-------------|---|
| (#) | INDICATES PLAN NOTE. |
| # | INDICATES REVISION. CLOUDED AREA CONTAINS THE REVISION. |
| # | INDICATES ROOM NUMBER. |
| | BRANCH CIRCUIT HOMERUN |
| | CONDUIT DOWN |
| | |

ELECTRICAL LEGEND

POWER

NOTES: REFER TO ARCHITECTURAL DRAWINGS AND ELEVATIONS FOR EXACT LOCATION AND MOUNTING HEIGHTS.

- WP: WEATHER PROOF (NEMA 3R)
- ISOLATED GROUND.
- GROUND FAULT INTERRUPTER.
- WALL MOUNTED 20A DUPLEX RECEPTACLE. (18" AFF UON).
- WALL 20A QUADRUPLEX RECEPTACLE. (18" AFF UON).
- WALL MOUNTED JUNCTION BOX.
 - FUSED DISCONNECT SWITCH. FUSE SIZE PER PLANS.

VARIABLE FREQUENCY DRIVE.

DISCONNECT SWITCH - NON-FUSED.

- COMBINATION STARTER/DISCONNECT SWITCH.
- VARIABLE FREQUENCY DRIVE WITH INTEGRAL DISCONENCT.
- MOTOR. REFER TO MECHANICAL PLANS FOR HORSEPOWER.

120/208 VOLT,3 PHASE, 4-WIRE, SURFACE MOUNTED PANEL

FIRE ALARM

| F | FIRE ALARM SYSTEM PULL STATION. |
|----------------|---|
| ⊳ <u></u> 15cd | FIRE ALARM HORN/STROBE. # INDICATES CANDELA RATING. |
| D 15cd | FIRE ALARM STROBE ONLY. # INDICATES CANDELA RATING. |
| (SD) | FIRE ALARM SMOKE DETECTOR. |
| (HD) | FIRE ALARM HEAT DETECTOR. |
| | |

FIRE ALARM CONTROL PANEL.

FIRE ALARM ANNUNCIATOR PANEL.

ELECTRICAL LEGEND

LIGHTING

- NOTE: REFER TO LIGHTING FIXTURE SCHEDULE FOR FIXTURE TYPES. CAPITAL LETTER ADJACENT TO FIXTURE INDICATES TYPE.
- LOWER CASE LETTER INDICATES SWITCHING
- INDICATES NIGHT LIGHTING UNSWITCHED FIXTURE. SHADED CIRCLE INDICATES FIXTURE ON EMERGENCY CIRCUIT.

1'X4' FIXTURE - SURFACE OR RECESSED.

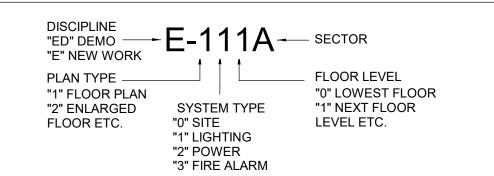
- 2'X4' FIXTURE SURFACE OR RECESSED.
- 2'X2' FIXTURE SURFACE OR RECESSED.
- 4' LONG STRIP FIXTURE.
- TRACK FIXTURE. TRIANGLES INDICATE HEADS.
- CEILING MOUNTED DOWN LIGHT FIXTURE.
- CEILING MOUNTED WALL WASHER.
- WALL MOUNTED FIXTURE
- EMERGENCY BATTERY PACK LIGHT FIXTURE.
- CEILING/WALL MOUNTED EXIT SIGN SINGLE FACE. PROVIDE DIRECTIONAL ARROWS PER PLANS.
- CEILING/WALL MOUNTED EXIT SIGN DOUBLE FACE PROVIDE DIRECTIONAL ARROWS PER PLANS.
- 20A, 1P, 120/277V TOGGLE TYPE LIGHT SWITCH.
- 20A, 3-WAY, 120/277V TOGGLE TYPE LIGHT SWITCH. WALL MOUNTED OCCUPANCY SENSOR. WATTSTOPPER DW-100 OR APPROVED EQUAL.
- CEILING MOUNTED OCCUPANCY SENSOR. WATTSTOPPER DT-355 OR APPROVED EQUAL.

ELECTRICAL LEGEND

SPECIAL SYSTEMS

NOTE: UNLESS OTHERWISE NOTED. FOR ALL DEVICES IN THIS COLUMN PROVIDE BACK BOX AND 1" EMPTY CONDUIT STUBBED 6" INTO ACCESSIBLE CEILING SPACE. FOR FLOOR MOUNTED BOXES. PROVIDE CONDUIT EITHER IN SLAB OR VIA FLOOR BELOW TO ACCESSIBLE CEILING SPACE OF DEVICE LOCATION.

- DATA OUTLET.
- TELEPHONE OUTLET.
- COMBINATION DATA/TELEPHONE OUTLET.
- FLOOR MOUNTED DATA/TELEPHONE OUTLET.
- WALL MOUNTED AUDIO/VISUAL OUTLET



SHEET NAMING LEGEND

LIGHTING FIXTURE SCHEDULE

| TYPE | SYMBOL | DESCRIPTION | MANUFACTURER AND | | LAMP DATA | | | NOTES |
|------|---------|--|---------------------------------------|-----------|-----------|------|-------|-------|
| | OTWIDGE | BEGGIAII TIGIA | CATALOG NUMBER | NO. WATTS | | TYPE | VOLTS | NOTEG |
| L1 | 0 | 4" WAFER THIN DOWNLIGHT, 3000K, FOR TROPHY CASE | JUNO LIGHTING WF4 SWW5 90CRI MB M6 | - | 9 | LED | 120 | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

| | GENE | RAL NOTES: |
|--|------|--|
| | B. | EQUAL LIGHTING FIXTURE MANUFACTURERS WILL BE CONSIDERED. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF FIXTURES. SUPPORT RECESSED FIXTURES FROM BUILDING STRUCTURE WITH MINIMUM #12 HANGER WIRE FROM TWO DIAGONAL CORNERS OF FIXTURE. |

1 2

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SPECIFIC NOTES:

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PROGRAM MANAGEMENT

CONSTRUCTION MANAGEMENT

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BETHESDA, MARYLAND 20817

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SEAL I hereby certify that these documents were prepared or approved by me and that I am a duly licensed engineer under the laws of the State of Maryland

<u>License number : 44228</u> Expiration date : 07/11/2025 **KEY PLAN**

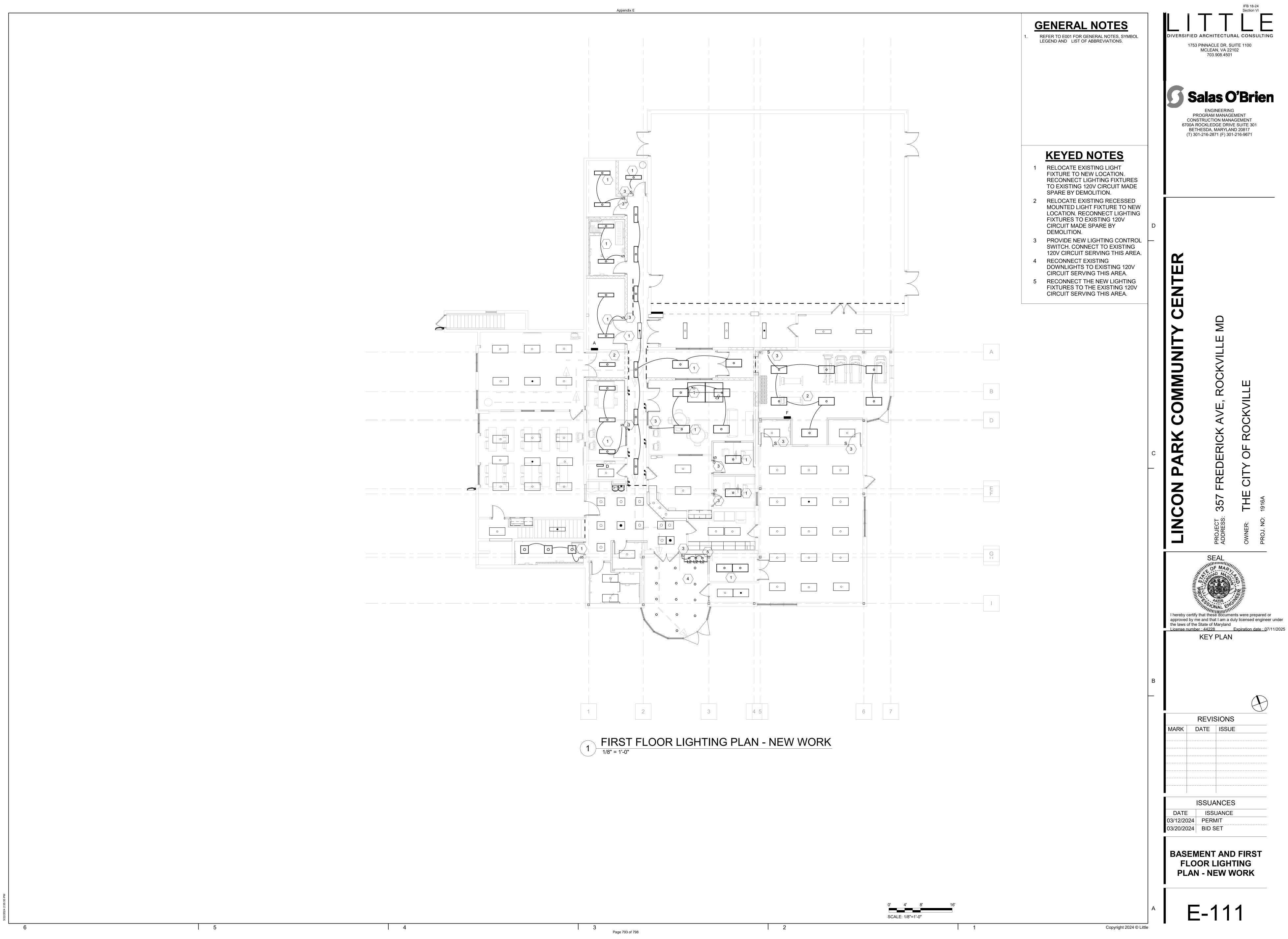
REVISIONS MARK DATE ISSUE

ISSUANCES DATE ISSUANCE 03/12/2024 PERMIT 03/20/2024 BID SET

ELECTRICAL COVER SHEET

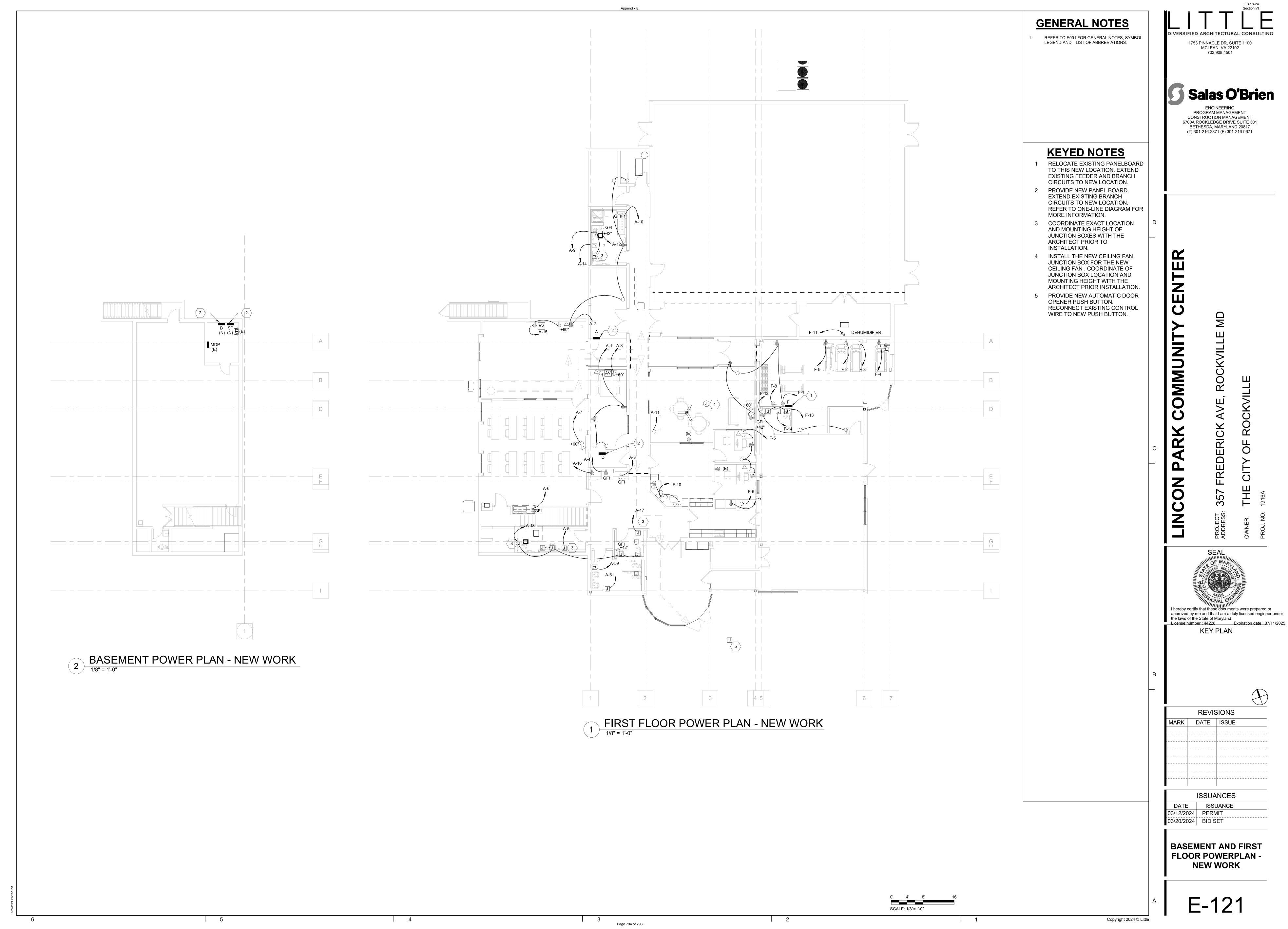
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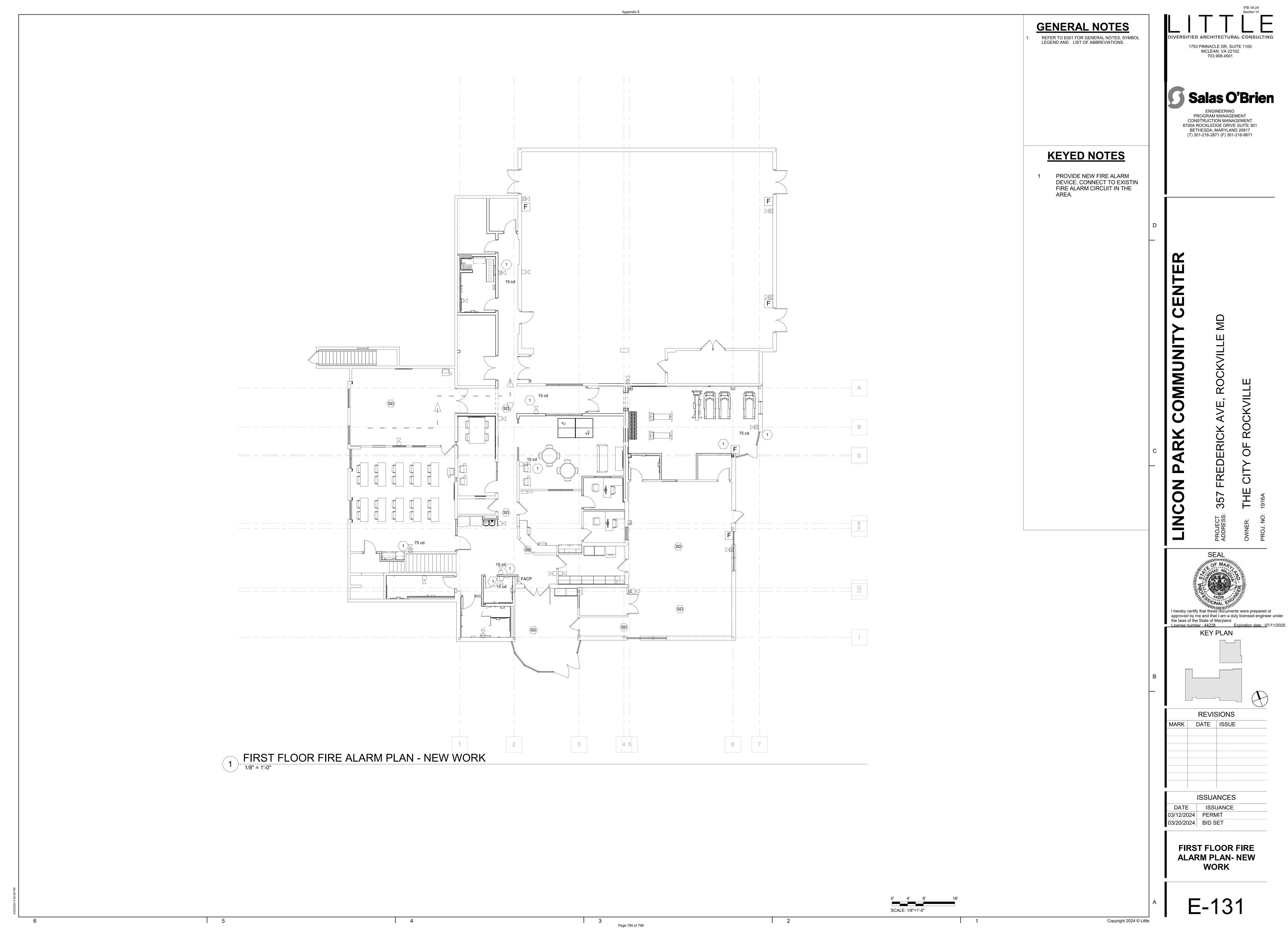


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Salas O'Brien



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Total Est. Demand: 39 A

4

| PAN | ELBOARD NAM | A | | | | | | | | | | | |
|--|------------------|------|----------|--------------------|-----------|---|---------|-------------|--------|-------|-------------------|-----------------|----|
| VOLTAGE: 120/208 Wye BUS RATING: 200 A | | | | | | POLES: 84 MINIMUM A.I.C. RATING (A): 10,000 | | | | | | | |
| HASE/W | /IRE 3/4 | | R/ | MAIN ATING: 200 | 4 | | MOUNTII | NG: Surface | | | SERVIC | | |
| | DOOR-IN-DOOR | | | TVS | 5 | | | | | | | | |
| СКТ | LOAD DESCRIPTION | TRIP | POLES | | 4 | ı | 3 | (| ; | POLES | TRIP LO | DAD DESCRIPTION | СК |
| 1 | Receptacle | 20 A | 1 | 900 VA | 900 VA | | | | | 1 | 20 A | Receptacle | 2 |
| 3 | Receptacle | 20 A | 1 | | | 180 VA | 180 VA | | | 1 | 20 A | Receptacle | 4 |
| 5 | Receptacle | 20 A | 1 | | | | | 500 VA | 180 VA | 1 | 20 A | Receptacle | 6 |
| 7 | Receptacle | 20 A | 1 | 180 VA | 180 VA | | | | | 1 | 20 A | Receptacle | 8 |
| 9 | Receptacle | 20 A | 1 | | | 1000 VA | 180 VA | | | 1 | 20 A | Receptacle | 10 |
| 11 | Receptacle | 20 A | 1 | | | | | 360 VA | 180 VA | 1 | 20 A | Receptacle | 12 |
| 13 | Receptacle | 20 A | 1 | 1000 VA | 500 VA | 100111 | | | | 1 | 20 A | Receptacle | 14 |
| 15 | Receptacle | 20 A | 1 | | | 180 VA | 180 VA | 500.1/4 | 0.1/4 | 1 | | Vending Machine | 16 |
| 17 | Hand dryer | 20 A | 1 | 0.1/4 | 0.1/4 | | | 500 VA | 0 VA | 2 | 20 A | Existing Load | 18 |
| 19 | Existing Load | 30 A | 2 | 0 VA | 0 VA | 0.1/4 | 0.1/4 | | | | 20 A | Eviating Load | 20 |
| 21 | Eviating Lood | 30 V | 2 | | | 0 VA | 0 VA | 0 VA | 0 VA | 2 | 20 A | Existing Load | 22 |
| 23 25 | Existing Load | 30 A | 2 | 0 VA | 0 VA | | | UVA | UVA | 2 | 20 A | Existing Load | 24 |
| 27 | Existing Load | 40 A | 2 | UVA | UVA | 0 VA | 0 VA | | | | | Existing Load | 28 |
| 29 | Existing Load | | | | | UVA | UVA | 0 VA | 0 VA | 2 | 40 A | Existing Load | 30 |
| 31 | Existing Load | 40 A | 3 | 0 VA | 0 VA | | | UVA | UVA | | | LXISTING LOAU | 32 |
| 33 | | | | O VA | OVA | 0 VA | 0 VA | | | 3 | 60 A | Existing Load | 34 |
| 35 | | | | | | UVA | UVA | 0 VA | 0 VA | | | | 36 |
| 37 | Existing Load | 20 A | 1 | 0 VA | 0 VA | | | 0 1/1 | 0 7/1 | | | | 38 |
| 39 | Existing Load | 20 A | 1 | 0 771 | 0 171 | 0 VA | 0 VA | | | 3 | 60 A | Existing Load | 40 |
| 41 | Existing Load | 20 A | 1 | | | 3 771 | 0 171 | 0 VA | 0 VA | | | | 42 |
| 43 | Existing Load | 20 A | 1 | 0 VA | 0 VA | | | | | | | | 44 |
| 45 | Existing Load | 20 A | 1 | | | 0 VA | 0 VA | | | 1 | 20 A | Existing Load | 46 |
| 47 | Existing Load | 20 A | 1 | | | | | 0 VA | 0 VA | 1 | 20 A | Existing Load | 48 |
| 49 | Existing Load | 20 A | 1 | 0 VA | 0 VA | | | | | 1 | 20 A | Existing Load | 50 |
| 51 | Existing Load | 20 A | 1 | | | 0 VA | 0 VA | | | 1 | 20 A | Existing Load | 52 |
| 53 | Existing Load | 20 A | 1 | | | | | 0 VA | 0 VA | 1 | 20 A | Existing Load | 54 |
| 55 | Existing Load | 20 A | 1 | 0 VA | 0 VA | | | | | 1 | 20 A | Existing Load | 56 |
| 57 | Existing Load | 20 A | 1 | | | 0 VA | 0 VA | | | 1 | 20 A | Existing Load | 58 |
| 59 | Hand dryer | 20 A | 1 | | | | | 500 VA | 0 VA | 1 | 20 A | Spare | 60 |
| 61 | Hand dryer | 20 A | 1 | 500 VA | 0 VA | | | | | 1 | 20 A | Spare | 62 |
| 63 | Spare | 20 A | 1 | | | 0 VA | 0 VA | | | 1 | 20 A | Spare | 64 |
| 65 | Spare | 20 A | 1 | | | | | 0 VA | 0 VA | 1 | 20 A | Spare | 66 |
| 67 | | | | | | | | | | | | | 68 |
| 69 | | | | | | | | | | | | | 70 |
| 71 | | | | | | | | | | | | | 72 |
| 73 75 | | | | | | | | | | | | | 74 |
| 77 | | | | | | | | | | | | | 78 |
| 79 | | | | | | | | | | | | | 80 |
| 81 | | | | | | | | | | | | | 82 |
| 83 | | | | | | | | | | | | | 84 |
| 00 | | TOT | AL LOAD: | 416 | ∟ 0 VA | 100 | D VA | 2220 |) \/^ | | | | |
| | | | AL AMPS: | | 5 A | | 5 A | 19 | | | | | |
| OAD CI | ASSIFICATION | | Co | nnected Loa | ad F | Demand Fa | ctor | Estimated | Demand | | Pane | el Totals | |
| eceptacl | | | | 8280 VA | L | 100.00% | | 8280 | | | i an | | |
| recehiaci | G | | | 0200 VA | | 100.00% | , | 0200 | ٧٨ | | Total Comp. Last | 1. 0200 \/A | |
| | | | | | | | | | | | Total Conn. Load | | |
| | | | | | | | | | | | Total Est. Demand | | |
| | | | | | | | | | | | Total Conn | | |
| | | - | | | | | | | | | Total Est. Demand | | |

| PANE | LBOARD NAME: | | 5 | SP | | | | | | | ES | |
|-----------|--------------------|------|--|------|-------------------|------|--------------|-------|--------------------|----------------|-------------|-----|
| VOLTAGE | E: 120/208 Single | BU | BUS RATING: 100 A POLES: 12 MINIMUM A.I.C. RATING (A): | | | | | | | | | |
| PHASE/WIR | RE : | | MAIN RATING: | | MOUNTING: Surface | | | | SERVICE: EMERGENCY | | | |
| | DOOR-IN-DOOR | | Т | vss | | | | | | | | |
| СКТ | LOAD DESCRIPTION | TRIP | POLES | | Α | | В | POLES | TRIP | LOAD | DESCRIPTION | СКТ |
| 1 | Existing Sump Pump | 20 A | 1 | 0 VA | 0 VA | | | 1 | 20 A | Existin | g Sump Pump | 2 |
| 3 | Existing Sump Pump | 20 A | 1 | | | 0 VA | 0 VA | 1 | 20 A | | sting Load | 4 |
| 5 | Existing Sump Pump | 20 A | 1 | 0 VA | 0 VA | | | 1 | 20 A | | Spare | 6 |
| 7 | Spare | 20 A | 1 | | | 0 VA | 0 VA | 1 | 20 A | | Spare | 8 |
| 9 | Space | | 1 | | 0 VA | | | 2 | 30 A | Exist | ing Gym AC | 10 |
| 11 | Space | | 1 | | | | 0 VA | | | | | 12 |
| | | | OTAL LOAD: OTAL AMPS: | | 0 VA 0 A | | 0 VA 0 A | | | | | |
| LOAD CLAS | SSIFICATION | | Connected | Load | Demand Fac | tor | Estimated De | mand | | Panel | Totals | |
| | | | | | | | | | Tot | al Conn. Load: | 0 VA | |
| | | | | | | | | | Tota | I Est. Demand: | | |
| | | | | | | | | | | Total Conn.: | 0 A | |
| | | | <u> </u> | | <u> </u> | | <u> </u> | | Tota | I Est. Demand: | 0 A | |

| VOLTAGE: 120/208 Wye | | | BUS RA | TING: 200 | 4 | | POLI | ES: 42 | | MINIMUM A.I.C. RATING 10,000 | | | | |
|----------------------|------------------------------|----------------------------------|-------------|-------------|--------|----------|---------|-------------|---------|------------------------------|----------|---------------------------|-----|--|
| PHASE/WIRE 3/4 | | MAIN RATING: ²⁰⁰ A | | | | | MOUNTIN | IG: Surface | | SERVICE: MDP | | | | |
| | DOOR-IN-DOOR | | | TVS | 3 | | | | | | | | | |
| СКТ | LOAD DESCRIPTION | TRIP | POLES | A | | В | | С | | POLES | TRIP | LOAD DESCRIPTION | CK. | |
| 1 | Fitness Center Receptacle | 20 A | 1 | 1080 VA | 180 VA | | | | | 1 | 20 A | Fitness Center Receptacle | 2 | |
| 3 | Fitness Center Receptacle | 20 A | 1 | | | 180 VA | 180 VA | | | 1 | 20 A | Fitness Center Receptacle | 4 | |
| 5 | Office Receptacle | 20 A | 1 | | | | | 900 VA | 1008 VA | 1 | 20 A | Pantry Icemaker | 6 | |
| 7 | Pantry Refrigerator | 20 A | 1 | 1008 VA | 180 VA | | | | | 1 | 20 A | Bottle Filler | 8 | |
| 9 | Fitness Center Receptacle | 20 A | 1 | | | 180 VA | 1008 VA | | | 1 | 20 A | Reception Receptacles | 10 | |
| 11 | Dehumidifier | 20 A | 1 | | | | | 200 VA | 180 VA | 1 | 20 A | Receptacle | 12 | |
| 13 | Faucet Sensor | 20 A | 1 | 500 VA | 500 VA | | | | | 1 | 20 A | Hand Dryer | 14 | |
| 15 | Existing Load | 20 A | 2 | | | 0 VA | 0 VA | | | 3 | 20 A | Existing Load | 16 | |
| 17 | | | | | | | | 0 VA | 0 VA | | | | 18 | |
| 19 | Existing Load | 20 A | 2 | 0 VA | 0 VA | | | | | | | | 20 | |
| 21 | | | | | | 0 VA | 0 VA | | | 1 | 20 A | Existing Load | 22 | |
| 23 | Existing Load | 20 A | 2 | | | | | 0 VA | 0 VA | 1 | 20 A | Existing Load | 24 | |
| 25 | | | | 0 VA | 0 VA | | | | | 1 | 20 A | Existing Load | 26 | |
| 27 | Existing Load | 20 A | 1 | | | 0 VA | 0 VA | | | 1 | 20 A | Existing Load | 28 | |
| 29 | Existing Load | 20 A | 1 | | | | | 0 VA | 0 VA | 1 | 20 A | Existing Load | 30 | |
| 31 | Existing Load | 20 A | 1 | 0 VA | 0 VA | | | | | 1 | 20 A | Existing Load | 32 | |
| 33 | Existing Load | 20 A | 1 | | | 0 VA | 0 VA | | | 1 | 20 A | Existing Load | 34 | |
| 35 | Existing Load | 20 A | 1 | | | | | 0 VA | 0 VA | 1 | 20 A | Existing Load | 36 | |
| 37 | Existing Load | 20 A | 1 | 0 VA | 0 VA | | | | | 1 | 20 A | Existing Load | 38 | |
| 39 | Existing Load | 20 A | 1 | | | 0 VA | 0 VA | | | 1 | 20 A | Existing Load | 40 | |
| 41 | Spare | 20 A | 1 | | | | | 0 VA | 0 VA | 1 | 20 A | Spare | 42 | |
| | | | TOTAL LOAD: | | | | 1548 VA | | 2288 VA | | | | | |
| | | TOT | AL AMPS: | 30 |) A | 13 | 3 A | 20 |) A | | | | | |
| OAD CL | ASSIFICATION | | Col | nnected Loa | nd D | emand Fa | ctor | Estimated | Demand | | | Panel Totals | | |
| | quipment - Non-Dwelling Unit | | | 3024 VA | - | 90.00% | | 2722 | | | | | | |
| Receptacl | · · · | | 4060 VA | | | 100.00% | | 4060 VA | | | Total Ca | onn Load: 7284 \/A | | |
| • | | | 1000 111 | | | | | | | Total Conn. Load: 7284 VA | | | | |
| Mech Loa | IOS | | | 200 VA | | 125.00% | | 250 VA | | Total Est. Demand: 7032 VA | | | | |
| | | | | | | | | | | | To | otal Conn.: 20 A | | |
| | | | | | | | | | | | | | | |

Appendix E

| PAN | IELBOARD NAME: | 1 | | В | | | | | | | ć | | EES | | |
|------------------------------|----------------|-----------------|------------------|-----------|----------------|------|-------------------|------|------------------|-------|------------------------------|------------|--------------------|-----|--|
| VOLTAGE: 120/208 Wye | | | BUS RATING: 60 A | | | | POLES: 24 | | | | MINIMUM A.I.C. RATING 10,000 | | | | |
| PHASE/WIRE : DOOR-IN-DOOR | | | MAIN RATING: | | | | MOUNTING: Surface | | | | SERVICE: MDP | | | | |
| | | | | TVS | S | | | | | | | | | | |
| CKT LOAD DESCRIPTION | | TRIP POLES | | Α | | В | | С | | POLES | TRIP | iP LO | AD DESCRIPTION | СКТ | |
| 1 | Existing Load | 20 A | 1 | 0 VA | 0 VA | | | | | 1 | 20 A | | Existing Load | 2 | |
| 3 | Existing Load | 20 A | 1 | | | 0 VA | 0 VA | | | 1 | 20 A | | Existing Load | 4 | |
| 5 | Existing Load | 20 A | 1 | | | | | 0 VA | 0 VA | 1 | 20 A | | Existing Load | 6 | |
| 7 | Spare | 20 A | 1 | 0 VA | 0 VA | | | | | 1 | 20 A | | Existing Load | 8 | |
| 9 | Spare | 20 A | 1 | | | 0 VA | 0 VA | | | 1 | 20 A | | Existing Load | 10 | |
| 11 | Spare | 30 A | 2 | | | | | 0 VA | 0 VA | 1 | 20 A | | Existing Load | 12 | |
| 13 | | | | 0 VA | 0 VA | | | | | 2 | 50 A | Existi | ing ATS & Panel SP | 14 | |
| 15 | | | | | | | 0 VA | | | | | | | 16 | |
| 17 | | | | | | | | | | | | | | 18 | |
| 19 | | | | | | | | | | | | | | 20 | |
| 21 | | | | | | | | | | | | | | 22 | |
| 23 | | | | | | | | | | | | | | 24 | |
| 25 | | | | | | | | | | | | | | 26 | |
| 27 | | | | | | | | | | | | | | 28 | |
| 29 | | | | | | | | | | | | | | 30 | |
| | | ТОТ | AL LOAD: | 0 | VA | 0 ' | VA | 0 ' | VA | | ' | | | | |
| | | TOTAL AMPS: 0 A | | | | | | 0 A | | | | | | | |
| | | | | | | | | | | | | | | | |
| LOAD CLASSIFICATION | | Connec | | nected Lo | nected Load De | | emand Factor | | Estimated Demand | | Panel Totals | | | | |
| | | | | | | | | | | | Total Co | nn. Load: | 0.1/0 | | |
| | | | | | | | | | | | Total Est. | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | tal Conn.: | | | |
| | | | | | | | | | | | Total Est. | Demand: | 0 A | | |

| VOLTAGE: 120/208 Wye | | | BUS RA | A | POLES: 42 | | | | MINIMUM A.I.C. RATING (A): | | | | |
|---------------------------------|---------------|------------|----------|-----------|-------------------|-----------|------|-----------|----------------------------|-------|----------------|------------------|-----|
| PHASE/WIRE :- : DOOR-IN-DOOR | | | RA' | | MOUNTING: Surface | | | | SERVICE: MDP | | | | |
| | | | TVSS | | | | | | | | | | |
| CKT LOAD DESCRIPTION | | TRIP POLES | | A | | В | | С | | POLES | TRIP | LOAD DESCRIPTION | СКТ |
| 1 | Existing Load | 20 A | 1 | 0 VA | 0 VA | | | | | 2 | 50 A | Existing Load | 2 |
| 3 | Existing Load | 20 A | 1 | | | 0 VA | 0 VA | | | | | | 4 |
| 5 | Existing Load | 20 A | 1 | | | | | 0 VA | 0 VA | 1 | 20 A | Existing Load | 6 |
| 7 | Existing Load | 20 A | 1 | 0 VA | 0 VA | | | | | 1 | 20 A | Existing Load | 8 |
| 9 | Existing Load | 20 A | 1 | | | 0 VA | 0 VA | | | 1 | 20 A | Existing Load | 10 |
| 11 | Existing Load | 20 A | 1 | | | | | 0 VA | 0 VA | 1 | 20 A | Existing Load | 12 |
| 13 | Existing Load | 20 A | 1 | 0 VA | 0 VA | | | | | 1 | 20 A | Existing Load | 14 |
| 15 | Existing Load | 20 A | 1 | | | 0 VA | 0 VA | | | 1 | 20 A | Existing Load | 16 |
| 17 | Existing Load | 20 A | 1 | | | | | 0 VA | 0 VA | 1 | 20 A | Existing Load | 18 |
| 19 | Existing Load | 20 A | 1 | 0 VA | 0 VA | | | | | 1 | 20 A | Existing Load | 20 |
| 21 | Existing Load | 20 A | 1 | | | 0 VA | 0 VA | | | 1 | 20 A | Existing Load | 22 |
| 23 | Existing Load | 20 A | 1 | | | | | 0 VA | 0 VA | 1 | 20 A | Existing Load | 24 |
| 25 | Existing Load | 20 A | 1 | 0 VA | 0 VA | | | | | 1 | 20 A | Existing Load | 26 |
| 27 | Existing Load | 20 A | 1 | | | 0 VA | 0 VA | | | 1 | 20 A | Existing Load | 28 |
| 29 | Existing Load | 20 A | 1 | | | | | 0 VA | 0 VA | 1 | 20 A | Existing Load | 30 |
| 31 | Existing Load | 20 A | 1 | 0 VA | 0 VA | | | | | 1 | 20 A | Existing Load | 32 |
| 33 | Existing Load | 20 A | 1 | | | 0 VA | 0 VA | | | 1 | 20 A | Existing Load | 34 |
| 35 | Existing Load | 20 A | 1 | | | | | 0 VA | 0 VA | 1 | 20 A | Existing Load | 36 |
| 37 | Existing Load | 20 A | 1 | 0 VA | 0 VA | | | | | 1 | 20 A | Existing Load | 38 |
| 39 | Existing Load | 20 A | 1 | | | 0 VA | 0 VA | | | 1 | 20 A | Existing Load | 40 |
| 41 | | | | | | | | | | | | | 42 |
| • | | TOT | AL LOAD: | 0 | VA | 0 VA | | 0 VA | | | | | |
| | | | AL AMPS: | | | 0 A | | 0 A | | _ | | | |
| | | | | | | | | | | | | | |
| OAD CI | ASSIFICATION | | Con | nected Lo | ad 1 | Demand Fa | otov | Estimated | Damand | | | Panel Totals | |
| LOAD CL | ASSIFICATION | | Cor | mected Lo | au I | Demand Fa | CIOF | Estimated | Demand | | <u> </u> | ranei i Olais | |
| | | | | | | | | | | | Total Conn. L | oad: 0 VA | |
| | | | | | | | | | | | Total Est. Dem | nand: 0 VA | |
| | | | | | | | | | | | | onn.: 0 A | |
| | | | 1 | | | | | | | | Total Est. Dem | | |

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INCON PARK COMMUNITY CENTER

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Expiration date: 07/11/2025

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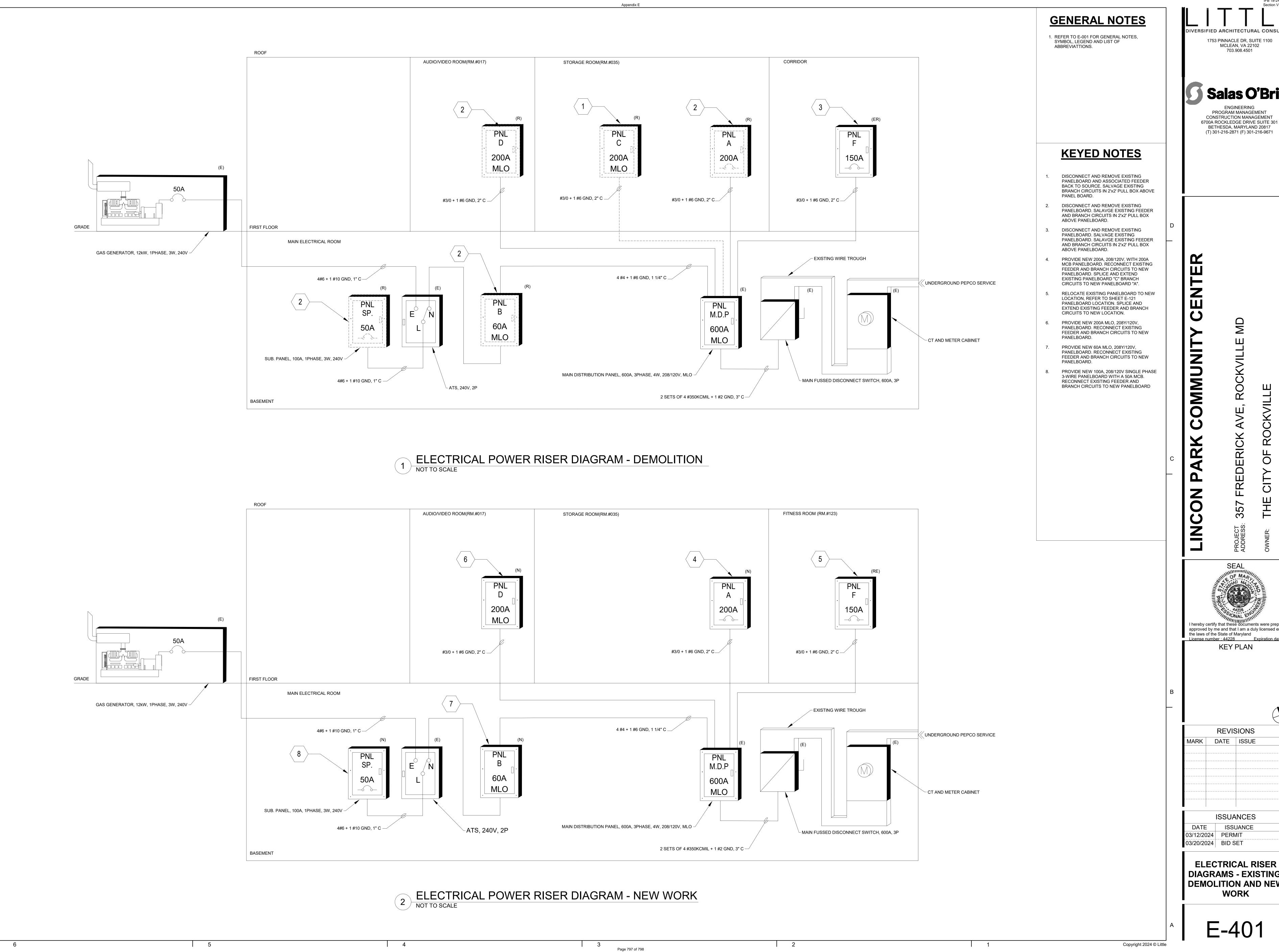
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ENGINEERING PROGRAM MANAGEMENT

approved by me and that I am a duly licensed engineer under the laws of the State of Maryland

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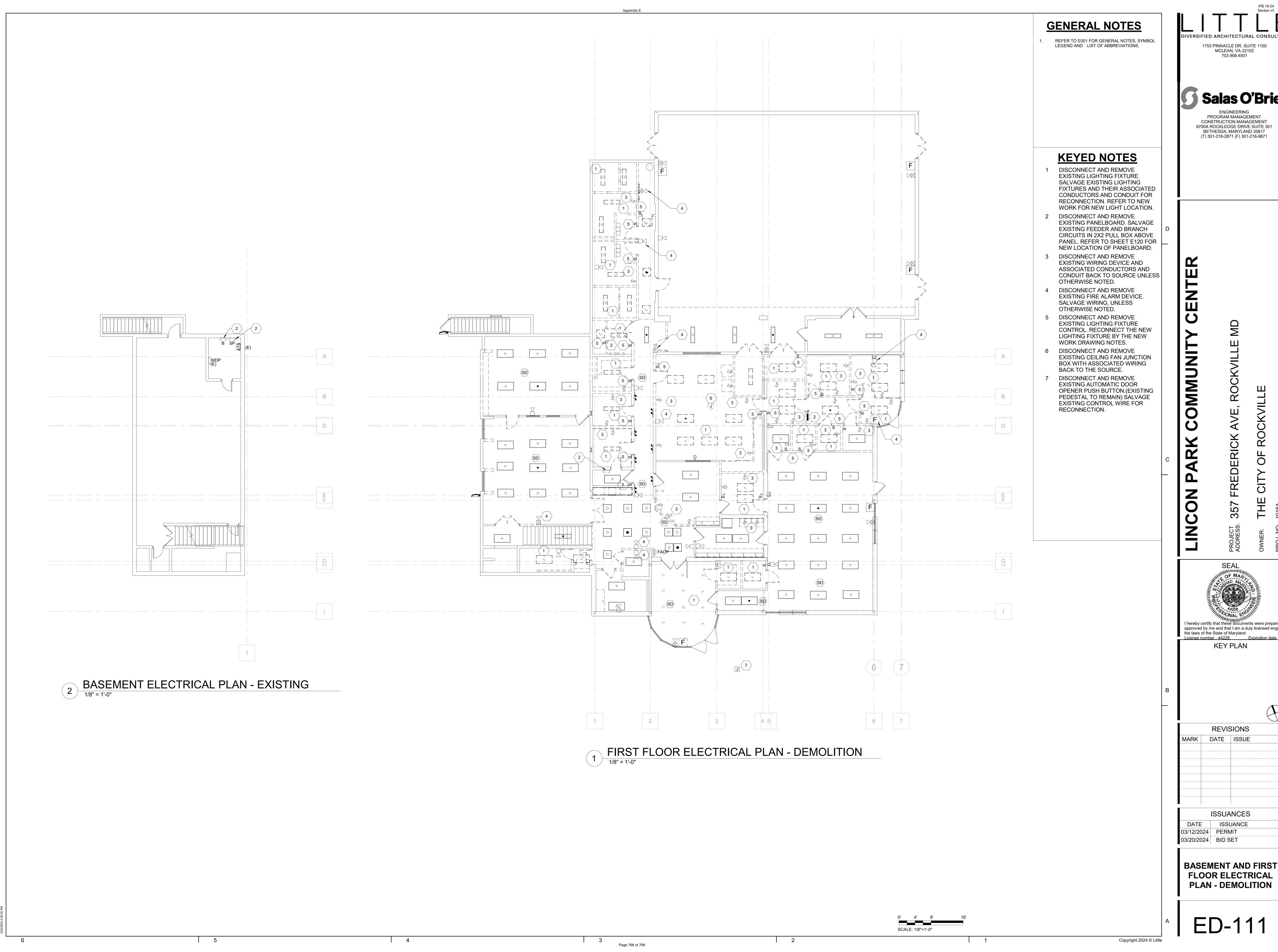
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approved by me and that I am a duly licensed engineer under the laws of the State of Maryland

<u>License number: 44228</u>

<u>Expiration date: 0</u>7/11/2025

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