

ROOF REPLACEMENT

at

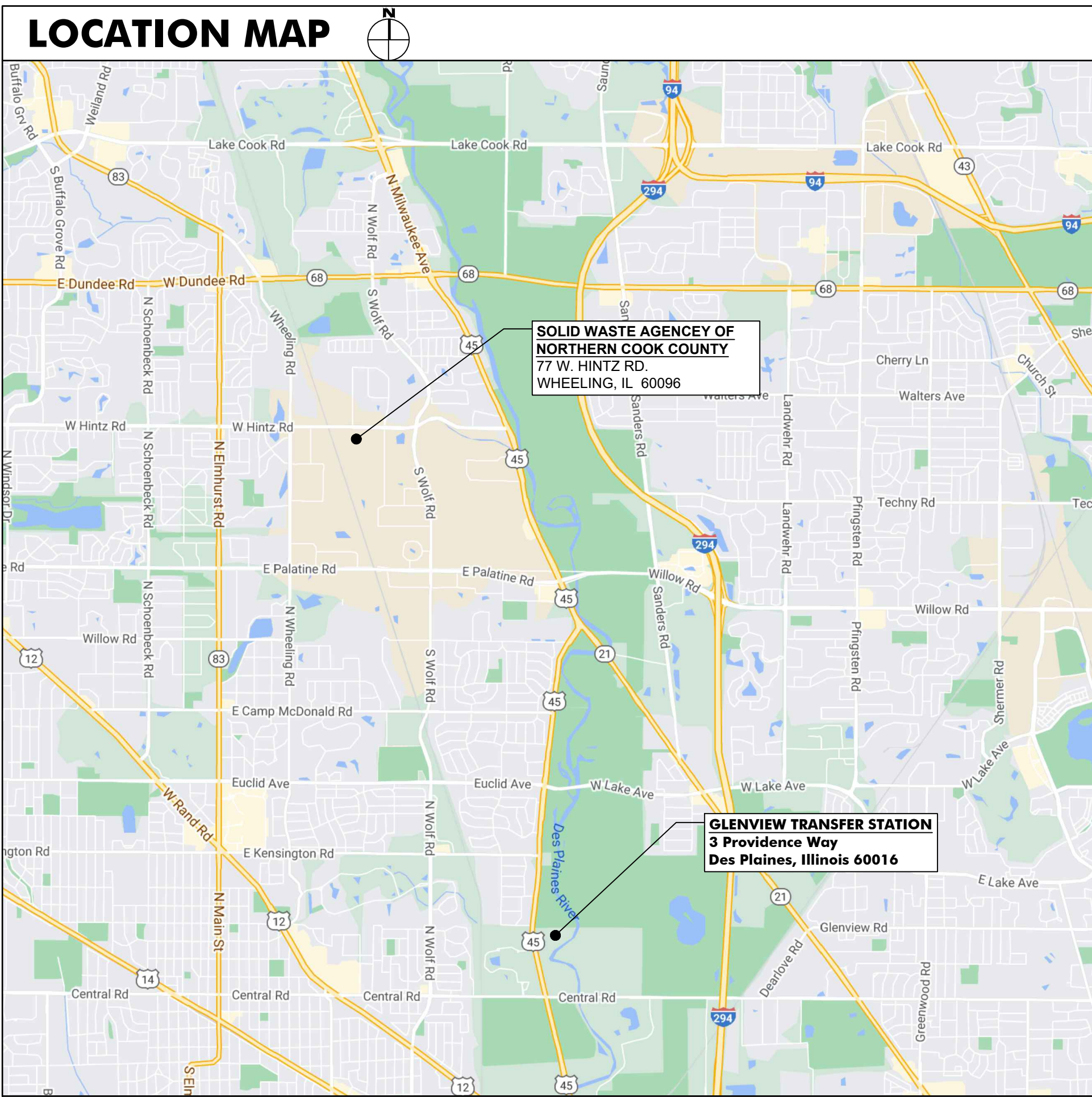
GLENVIEW TRANSFER STATION

3 Providence Way, Des Plaines, Illinois 60016

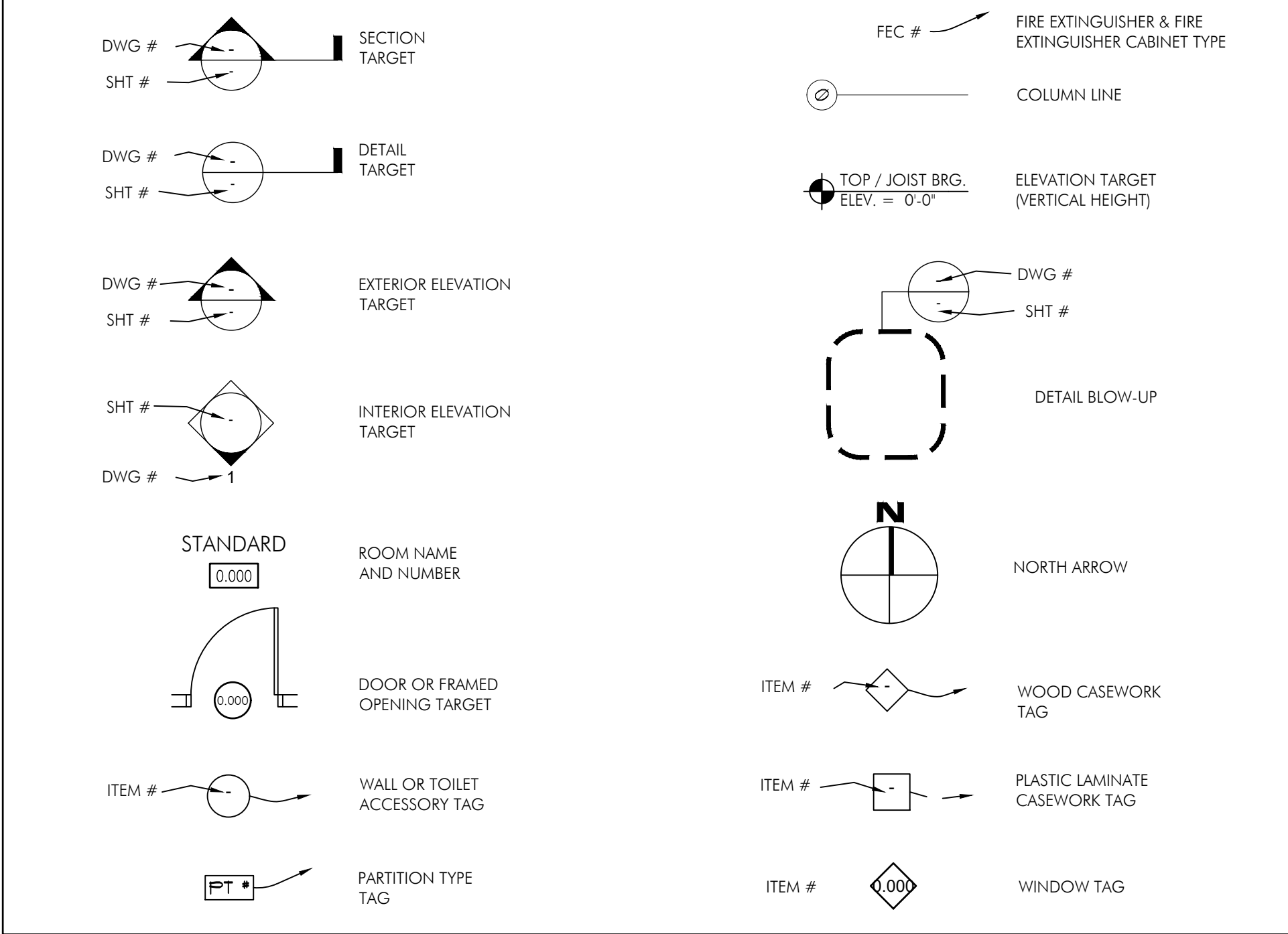
for

SOLID WASTE AGENCY OF NORTHERN COOK COUNTY (SWANCC)

77 West Hintz Road, Wheeling, Illinois 60090



SYMBOL LIST



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HV0.1	PARTIAL ROOF PLAN - HVAC DEMOLITION WORK		
HV1.0	PARTIAL ROOF PLAN - HVAC WORK		

ABBREVIATIONS

ACOLUST	- ACOUSTICAL	EL	- ELEVATION	MASRY	- MASONRY	SCHED	- SCHEDULE
AFF	- ABOVE FINISHED FLOOR	ELEC	- ELECTRICAL	MAX	- MAXIMUM	SHT	- SHEET
ALUM	- ALUMINUM	ELEV	- ELEVATOR	MECH	- MECHANICAL	SM	- SIMILAR
ASSY	- ASSEMBLY	EQ	- EQUAL	MTL	- METAL	SPEC	- SPECIFICATION
AT	- ACOUSTICAL TILE	EVC	- ELECTRIC WATER COOLER	MIN	- MINIMUM	SS	- STAINLESS STEEL
BD	- BOARD	EXIST	- EXISTING	MJ	- MOVEMENT JOINT	STD	- STANDARD
BDO	- BUILDING	FDN	- FOUNDATION	MO	- MASONRY OPENING	STL	- STEEL
BRG	- BEARING	FE	- FIRE EXTINGUISHER	NIC	- NOT IN CONTRACT	STOR	- STORAGE
BUR	- BUILT UP ROOF	FEC	- FIRE EXTINGUISHER CABINET	NOM	- NOMINAL	STRUCT	- STRUCTURE
CJ	- CONTROL JOINT	FH	- FIRE HYDRANT	HTS	- HOT TO SCALE	SQ	- SQUARE
CLG	- CEILING	FIN	- FINISH	OC	- ON CENTER	TEL	- TELEPHONE
CLR	- CLEAR	FRK	- FIXTURE	OD	- OUTSIDE DIAMETER	TEMP	- TEMPERED
CHU	- CONCRETE MASONRY UNIT	FLO	- FLOOR	OPR	- OPERABLE	THK	- THICK
COL	- COLUMN	FT	- FOOT/FEET	OPG	- OPENING	TYP	- TYPICAL
CONC	- CONCRETE	GA	- GAUGE	OP H	- OPPOSITE HAND	UNO	- UNLESS NOTED OTHERWISE
CONT	- CONTIGUOUS	GALV	- GALVANIZED	OZ	- OUNCE	VERT	- VERTICAL
CPT	- CARPET	GYP	- GYPSUM	PLT	- PLATE	VCT	- VINYL COMPOSITION TILE
CT	- CERAMIC TILE	HGT	- HEIGHT	PLM	- PLASTIC LAMINATE	VIF	- VERIFY IN THE FIELD
DIA	- DIAMETER	HMA	- HOLLOW METAL	PLYWD	- PLYWOOD	W/	- WITH
DIM	- DIMENSION	HORIZ	- HORIZONTAL	PREFIN	- PRE-FINISHED	W/O	- WITHOUT
DN	- DOWN	HP	- HIGH POINT	R	- RISERS	WD	- WOOD
DOCS	- DOCUMENTS	ID	- INSIDE DIAMETER	RAD	- RADIUS	WP	- WATERPROOF
DR	- DOOR	INSUL	- INSULATION	REIN	- REINFORCED		
DTL	- DETAIL	LBS	- POUND	REQ.D	- REQUIRED		
DWG	- DRAWING	LP	- LOW POINT	ROOM	- ROOM		
EA	- EACH	LOC	- LOCATION	RRA	- RAISED RUBBER DISC TILE		
EJ	- EXPANSION JOINT	MANUF	- MANUFACTURER	RSD	- SOLID CORE		

MATERIAL SYMBOLS

	FACE BRICK		STEEL		ASPHALT PAVING
	CONCRETE MASONRY UNIT		BATT INSULATION		EARTH
	CONCRETE		RIGID INSULATION		GRANULAR FILL
	WOOD BLOCKING		GYPSUM BOARD		SAND, MORTAR, OR GROUT
	PLYWOOD		ACOUSTICAL TILE/PLASTER		
	FINISH WOOD		ALUMINUM		

GENERAL NOTES

- SCOPE OF WORK AND GENERAL CONDITIONS
 - THESE GENERAL NOTES APPLY TO ALL WORK IN THIS PROJECT.
 - THIS SET OF DOCUMENTS CONSISTS OF ALL SHEETS LISTED IN THE INDEX OF DRAWINGS ON THE TITLE SHEET, THE SPECIFICATIONS AND ALL ADDENDA. WORK SHOWN ON ANY OF THE ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL AND/OR FIRE PROTECTION DRAWINGS, WHERE APPLICABLE, INVOLVING ANY ONE TRADE SHALL BE PERFORMED BY THAT PARTICULAR TRADE WHETHER SUCH REQUIRED WORK IS SHOWN ON THE DRAWINGS BELONGING TO THAT PARTICULAR CATEGORY OR NOT. FOR CONFLICTS OR INCONSISTENCIES THAT MAY ARISE BETWEEN THE VARIOUS DOCUMENTS THE BIDDER SHALL ASSUME THE MORE STRINGENT OR SEVERE CONDITION.
 - THE CONTRACTORS ARE RESPONSIBLE FOR VERIFYING THE EXTENT, NATURE AND SCOPE OF WORK DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTORS SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO EXECUTE ALL WORK AS SHOWN ON THESE DRAWINGS, EXCEPT WHERE NOTED AS NOT IN CONTRACT (N.I.C.). THEY SHALL BE RESPONSIBLE FOR COORDINATING THEIR WORK WITH THAT OF ALL OTHER TRADES. ALL WORK SHALL BE PERFORMED BY SKILLED AND QUALIFIED WORKERS IN ACCORDANCE WITH THE BEST PRACTICES OF EACH TRADE.
 - THE CONTRACTORS SHALL SUPPLY ALL LABOR, TRANSPORTATION, APPARATUS, SCAFFOLDING, ANY TOOLS NECESSARY FOR THE COMPLETION OF THE WORK. THEY SHALL MAINTAIN AND REMOVE ANY TEMPORARY EQUIPMENT, AND CONSTRUCT IN EXCELLENT AND WORKMANLIKE MANNER THE COMPLETE WORK AND EVERYTHING PROPERLY INCIDENTAL THERETO AS STATED IN THE CONTRACT DOCUMENTS OR REASONABLY IMPLIED THEREFROM. IT IS NOT THE INTENT OF THE CONTRACT DOCUMENTS TO SET FORTH IN DETAIL EVERY ITEM NECESSARY TO PROVIDE FOR THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTORS MUST BE QUALIFIED FOR THIS WORK AND MUST, WITHOUT DIRECTION, FURNISH AND INSTALL EVERYTHING NECESSARY TO PROVIDE CONSTRUCTION IN A COMPLETE AND ACCEPTABLE ORDER READY FOR USE WITHOUT ANY ADDITIONAL WORK. ALL PARTS MUST BE COORDINATED, COMPLETE, READY TO OPERATE AND DELIVERED TO THE OWNER IN NEW CONDITION.
 - DUE TO THE NATURE OF RENOVATION WORK, THE BIDDER SHALL CONSIDER CONTINGENCIES IN THE BID. NO ADDITIONAL FUNDS WILL BE PROVIDED FOR EXISTING FIELD CONDITIONS THAT MAY ARISE. IF IT IS DEEMED BY THE ARCHITECT THAT THE CONTRACTORS COULD HAVE ANTICIPATED A PROBLEM FROM A FIELD VISIT, THE CONSTRUCTION DOCUMENTS ARE SCOPE DOCUMENTS AND AS SUCH MAY NOT DETAIL EXISTING CONDITIONS EXACTLY; HOWEVER, THIS DOES NOT RELEASE THE BIDDER FROM CAREFULLY REVIEWING THE EXISTING CONDITIONS THAT AFFECT THE WORK.
 - THE CONTRACTORS ACKNOWLEDGE AND AGREE THAT THEY HAVE INDIVISIBLE, INDELEGABLE, INTRANSFERABLE, AND CONTRACTUAL OBLIGATION TO THE OWNER TO MAKE THEIR OWN INSPECTIONS ON THEIR OWN WORK AT THE STAGES OF CONSTRUCTION, AND SHALL SUPERVISE AND SUPERINTEND PERFORMANCE OF WORK IN SUCH MANNER AS TO ENABLE THEM TO CONFIRM, CERTIFY AND CORROBORATE AT ALL TIMES THAT ALL WORK HAS BEEN EXECUTED STRICTLY, LITERALLY, RIGIDLY, AND INFLEXIBLY IN ACCORDANCE WITH THEIR METHODS, MATERIALS AND STANDARDS.
 - THE CONTRACTORS WILL REPAIR AND/OR REPLACE ALL DAMAGED MATERIALS THAT ARE FOUND TO HAVE BEEN MADE DURING THE COURSE OF THE WORK AND CLEANUP PROCEDURE. REPAIR SHALL MEAN THE ITEM(S) ARE RETURNED TO THEIR ORIGINAL STATE, AS A MINIMUM, AS DETERMINED BY THE OWNER AND THE ARCHITECT.
 - ALL CONTRACTORS SHALL BE LICENSED TO PRACTICE IN THE JURISDICTION OF THE SITE.
- CONTRACT DRAWINGS AND SPECIFICATIONS
 - THE CONTRACTORS ARE REQUIRED TO THOROUGHLY INSPECT THESE DRAWINGS AND SPECIFICATIONS AND SHALL VERIFY ALL DIMENSIONS AND CONDITIONS SHOWN ON THE DRAWINGS AT THE JOB SITE, AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES AND/OR CONFLICTS IN WRITING BEFORE PROCEEDING WITH THE WORK.
 - EACH TRADE IS REQUIRED TO THOROUGHLY EXAMINE THESE DRAWINGS AND INSPECT THE EXISTING CONDITIONS AT THE JOB SITE TO IDENTIFY POTENTIAL PROBLEMS, CONFLICTS, DISCREPANCIES OR INTERFERENCE WITH OTHER TRADES.
 - ALL CONTRACTORS SHALL EXAMINE AND BE RESPONSIBLE FOR ALL ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS AND SPECIFICATIONS WHEN ESTABLISHING THE SCOPE OF WORK FOR THEIR RESPECTIVE TRADES.
 - NOTES APPEAR ON VARIOUS SHEETS FOR DIFFERENT SYSTEMS AND CONSTRUCTION MATERIALS. ALL SHEETS ARE TO BE REVIEWED AND NOTES ON ANY ONE SHEET ARE TO BE APPLIED TO ALL RELATED DRAWINGS AND DETAILS.
 - DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO THOSE DETAILED. WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, CONSULT THE ARCHITECT PRIOR TO PROCEEDING WITH THE WORK.
 - ARCHITECTURAL DIMENSIONS AND NOTES SHALL TAKE PRECEDENCE OVER ENGINEERING DIMENSIONS AND NOTES. IF DISCREPANCIES BETWEEN ARCHITECTURAL AND ENGINEERING DRAWINGS ARE DISCOVERED, CONTACT ARCHITECT FOR INTERPRETATION.
- EXISTING CONDITIONS
 - ALL CONTRACTORS SHALL VERIFY AND BE FAMILIAR WITH THE EXISTING CONDITIONS AS AFFECTED BY THE SCOPE OF WORK TO BE PERFORMED. BY SUBMITTING A BID OR EXECUTING THE CONTRACT, THE CONTRACTORS REPRESENT THAT THEY HAVE VISITED THE SITE AND FAMILIARIZED THEMSELVES WITH THE LOCAL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED.
 - NO REQUESTS FOR ADDITIONAL FUNDS WILL BE ALLOWED DUE TO IGNORANCE OF EXISTING CONDITIONS OR INTERFERENCE WITH THE WORK OF OTHER TRADES.
 - THE CONTRACTORS SHALL PROMPTLY NOTIFY THE ARCHITECT IN WRITING OF ANY DISCREPANCIES, OMISSIONS AND/OR CONFLICTS BETWEEN THE EXISTING CONDITIONS AND THE WORK AS DESCRIBED IN THE CONTRACT DOCUMENTS.
 - THE CONTRACTORS MUST VERIFY ALL EXISTING CONDITIONS AT THE SITE. WHERE REQUIRED, NEW WORK MUST BE ADAPTED TO FIT EXISTING CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
 - EXISTING CONDITIONS ARE INDICATED FOR THE CONTRACTORS' CONVENIENCE ONLY. IT IS THE CONTRACTORS' RESPONSIBILITY TO VERIFY EXISTING CONDITIONS AS THEY ARE AFFECTED BY THE WORK. THE ARCHITECT DOES NOT WARRANT THE ACCURACY OR COMPLETENESS OF THE EXISTING CONDITIONS SHOWN. NO ADDITIONAL FUNDS WILL BE AUTHORIZED FOR THE CONTRACTORS' IGNORANCE OF EXISTING CONDITIONS AND THEIR IMPLICATIONS.
- DEMOLITION AND REMOVALS
 - OWNER SHALL HAVE THE OPTION OF SELECTING ANY OR ALL OF THE ITEMS WHICH ARE DESIGNATED TO BE REMOVED BY THE CONTRACTORS AS SALVAGE FOR THE OWNER. CONTRACTORS SHALL REMOVE SUCH ITEMS WITH EXTREME CARE AND RETURN SUCH ITEMS TO THE OWNER.
 - OWNER SHALL REMOVE AND/OR RELOCATE PORTABLE EQUIPMENT, FURNITURE, ETC., WHICH WILL BE IN CONFLICT WITH NEW CONSTRUCTION.
- CUTTING AND PATCHING
 - THE CONTRACTORS SHALL COORDINATE ALL WORK WITH ADJACENT AND AFFECTED TRADES. THE CONTRACTORS SHALL PERFORM ALL CUTTING, PATCHING AND FITTING AS REQUIRED TO PERFORM ALL OF THE WORK INDICATED OR IMPLIED ON THE DRAWINGS AND ALL OTHER WORK AS MAY BE REQUIRED TO COMPLETE THE JOB. PATCH AND REPAIR FLOORS, WALLS, CEILINGS, ETC. AS REQUIRED TO MATCH ADJACENT SURFACES AND/OR AS INDICATED ON THE DRAWINGS.
- MATERIALS, ASSEMBLIES AND INSTALLATION
 - IT IS THE CONTRACTORS' RESPONSIBILITY TO COORDINATE AND ACCURATELY LOCATE ELECTRICAL, MECHANICAL AND PLUMBING DEVICES WITH CASEWORK AND OTHER CONSTRUCTION TO AVOID CONFLICTS. NO ADDITIONAL FUNDS WILL BE AUTHORIZED BY THE ARCHITECT FOR MISCOORDINATED WORK.
- SITE CONDITIONS
 - ACTIVE PIPES, CONDUITS AND OTHER UTILITIES OF ALL TYPES, WHETHER SHOWN OR NOT, MUST BE PROTECTED BY THE CONTRACTORS AT ALL TIMES DURING THE CONSTRUCTION OF THE WORK. EXTREME CARE SHALL BE EXERCISED AT ALL TIMES NOT TO DAMAGE ANY SUCH PIPES AND CONDUITS, WHERE DAMAGE OCCURS, THE CONTRACTORS SHALL REPAIR SUCH DAMAGE IN A MANNER APPROVED BY THE ARCHITECT, AT NO ADDITIONAL COST TO THE OWNER.
 - UNLESS SPECIFICALLY OTHERWISE APPROVED BY THE OWNER, ALL MECHANICAL, PLUMBING AND/OR ELECTRICAL LINES MUST BE KEPT ACTIVE DURING AND/OR AFTER CONSTRUCTION, WHERE THEY INTERFERE WITH THE NEW OR REMODELING WORK, THEY MUST BE TEMPORARILY RELOCATED DURING CONSTRUCTION AND PERMANENTLY RELOCATED AFTER CONSTRUCTION, TO LOCATIONS APPROVED BY THE ARCHITECT, AT NO ADDITIONAL COST TO THE OWNER.
 - THE CONTRACTORS SHALL TAKE ALL NECESSARY PRECAUTIONS TO INSURE THE SAFETY OF THE STRUCTURE AND ITS INHABITANTS.
 - THROUGHOUT THE PERIOD OF DEMOLITION AND CONSTRUCTION, PROVIDE ALL NECESSARY ACCOMMODATIONS TO KEEP THE TENANT-OCCUPIED PORTIONS OF THE BUILDING OPERATIONAL AND SAFE. THESE ACCOMMODATIONS INCLUDE, BUT ARE NOT LIMITED TO MECHANICAL SYSTEMS, ELECTRICAL AND COMMUNICATION WIRING, PLUMBING SYSTEMS, NOISE AND DUST CONTROL, TEMPORARY SIGNAGE, AND LIFE SAFETY MEASURES.
 - ALL CORRIDORS ARE TO BE KEPT FREE OF REFUSE AND CONSTRUCTION MATERIAL. CONTRACTORS SHALL DISPOSE OF DEMOLISHED MATERIALS OFF SITE AND PROVIDE DUMPSTERS AS REQUIRED.
- SITE RESTORATION
 - WHETHER OR NOT SPECIFICALLY INDICATED, THE CONTRACT DOCUMENTS REQUIRE THAT THE CONTRACTORS SHALL INCLUDE AS A PART OF THEIR BID PROVISIONS FOR PROVIDING SITE RESTORATION FOR ANY PORTION OF THE SITE AFFECTED BY THE WORK. THIS SITE RESTORATION SHALL INCLUDE, BUT SHALL NOT BE LIMITED TO RESTORING EXISTING LANDSCAPING, WALKS AND ROADWAYS TO A CONDITION ACCEPTABLE TO THE ARCHITECT.
- UNDERGROUND UTILITIES
 - THE CONTRACTORS SHALL EXERCISE CARE IN EXCAVATION AND CONSTRUCTION SO AS NOT TO DISTURB EXISTING UNDERGROUND SITE UTILITIES (UNLESS SPECIFICALLY DOCUMENTED TO DO SO). THE CONTRACTORS SHALL EMPLOY A SERVICE TO LOCATE SUCH UTILITIES AND SHALL CONSULT WITH THE OWNER AS TO POSSIBLE LOCATIONS OF UNDERGROUND UTILITIES. IT SHALL BE THE CONTRACTORS' RESPONSIBILITY TO RESTORE SERVICE AND PAY FOR ANY UTILITY FEES IN CONNECTION WITH RESTORATION OF SERVICE IN THE EVENT OF DISRUPTION DUE TO EXCAVATION OR CONSTRUCTION.



2050 south finley road, suite 40
lombard, illinois 60148
p: 630.495.1900
www.arconassoc.com

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3 Providence Way
Des Plaines, Illinois
60016

for

SOLID WASTE AGENCY
OF NORTHERN
COOK COUNTY
(SWANCC)
77 West Hintz Road
Wheeling, Illinois 60090



ISSUED FOR BID

REVISIONS

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COVER SHEET

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G0.1



ROOF REPLACEMENT

at

**GLENVIEW
TRANSFER STATION**
3 Providence Way
Des Plaines, Illinois
60016

SBS MODIFIED BITUMINOUS ROOF SYSTEM (M)

M1. NOT USED.

M2. PROVIDE ONE (1) LAYER OF 5/8" GYPSUM BOARD, MECHANICALLY ATTACHED TO THE STEEL DECK AT THE RATE OF ONE (1) FASTENER PER 2.0 SQ. FT., USING THE PATTERN SHOWN ON THE DETAILS. OFF-BOARD JOINTS A MINIMUM OF 36 INCHES [P.S.]

M3. PROVIDE TWO (2) PLIES OF TYPE II FIBERGLASS FELT. THE FELT SHALL BE FULLY ADHERED AND GLAZED WITH TYPE III ASPHALT AT THE END OF EACH DAYS WORK.

M4. PROVIDE A BASE LAYER OF 2.4 POLYCARBONATE ROOF INSULATION BOARD AND A SECOND LAYER OF 2.4 POLYCARBONATE ROOF INSULATION BOARD. ADHERE LAYERS OF INSULATION IN FULL APPLICATIONS OF TYPE III ASPHALT AND OFFSET INSULATION JOINTS A MINIMUM OF 36 INCHES [P.S.]. VORES IN THE APPLICATION OF ASPHALT ARE UNACCEPTABLE; INSULATION SHOULD BE ROLLED OR STEPPED INTO PLACE TO ENSURE ADHESION. INSULATION MUST BE ACCEPTABLE TO THE MANUFACTURER OF THE ROOF SYSTEM.

M5. PROVIDE A FULL COVERAGE APPLICATION OF AN ASPHALT PRIMER, OVER THE EXISTING REINFORCED ROOF INSULATION. PROVIDE TWO (2) PLIES OF TYPE II FIBERGLASS FELT ADHERED WITH TYPE IV ASPHALT. PROVIDE A BASE LAYER OF 2.4 POLYCARBONATE ROOF INSULATION BOARD, ADHERE INSULATION IN FULL APPLICATIONS OF TYPE III ASPHALT AND OFFSET INSULATION JOINTS A MINIMUM OF 36 INCHES [P.S.]. VORES IN THE APPLICATION OF ASPHALT ARE UNACCEPTABLE; INSULATION SHOULD BE ROLLED OR STEPPED INTO PLACE TO ENSURE ADHESION; INSULATION MUST BE ACCEPTABLE TO THE MANUFACTURER.

M6. NOT USED.

M7. PROVIDE A COMPLETE 1/4" TAPERED POLYCARBONATE ROOF INSULATION SYSTEM. THE TAPERED INSULATION SYSTEM SHOULD BEGIN AT THE CENTER OF THE ROOF DRAIN SLUMP AREAS. ADHERE LAYERS OF INSULATION IN FULL APPLICATIONS OF TYPE III ASPHALT AND OFFSET INSULATION JOINTS A MINIMUM OF 36 INCHES [P.S.]. VORES IN THE APPLICATION OF ASPHALT ARE UNACCEPTABLE; INSULATION SHOULD BE ROLLED OR STEPPED INTO PLACE TO ENSURE ADHESION. INSULATION MUST BE ACCEPTABLE TO THE MANUFACTURER OF THE ROOF SYSTEM.

M8. PROVIDE TAPERED POLYCARBONATE ROOF INSULATION SIDINGS BETWEEN ROOF DRAINS AND CORNERS, PROVIDE SADDLES BETWEEN EACH ROOF DRAIN AND "DOWNCAST" WALLS AND PROVIDE POSITIVE DRAINS BETWEEN ADJACENT WALLS AND INTO THE SLUMP. PROVIDE SADDLES AT THE HIGH SIDE OF EQUIPMENT, CURBS WITHIN THE DRAINAGE ROW. TAPERED INSULATION SADDLES SHOULD HAVE A MINIMUM LENGTH TO WIDTH RATIO OF 2:1 FROM ROOF DRAIN TO CORNER. THE SADDLE PLANES SHOULD BE 2% OF THE COURSE OF THE STRUCTURAL DECK (SEE STRUCTURAL SHEETS FOR APPLICABLE). ON THE TAPERED INSULATION WHERE PRESENT, ADHERE INSULATION IN FULL APPLICATIONS OF TYPE III ASPHALT AND OFFSET INSULATION JOINTS A MINIMUM OF 36 INCHES [P.S.]. POLYCARBONATE ROOF INSULATION MUST BE ACCEPTABLE TO THE MANUFACTURER OF THE ROOF HEMARINE.

M9. PROVIDE ONE (1) LAYER OF 1/2" HIDDEN WOOD. REDWOOD ROOF INSULATION BOARD. PROVIDE A FULL APPLICATION OF ASPHALT PRIMER TO THE REDWOOD. FULLY ADHERE INSULATION IN TYPE III ASPHALT AND OFFSET INSULATION JOINTS A MINIMUM OF 36 INCHES [P.S.]. INSULATION MUST BE ACCEPTABLE TO THE MANUFACTURER OF THE ROOF SYSTEM.

M10. PROVIDE A THREE (3) BY SIX (6) MODIFIED BITUMINOUS, WHITE GRANULATED FLASHING-SHEATH MEMBRANE CONSISTING OF ONE (1) PL OF ROOF REDWOOD ROOF INSULATION PRIMER SHEET, ONE (1) PL OF SMOOTH SURFACE SSF MODIFIED BITUMEN, AND ONE (1) PL OF WHITE GRANULATED FLASHING-SHEATH MEMBRANE PRIMER SHEET ADHERED WITH COOL PROCESS ADHESIVE. FIELD REDWOOD ROOF INSULATION PRIMER SHEETS AND FLASHING-SHEATH MEMBRANES SHOULD BE HEAT WELDED IN LINE OF USING COOL PROCESS ADHESIVE. ALL ROOF DRAIN, PLUMBING VENTS AND STEEL PROJECTIONS THROUGH THE ROOF SYSTEM ARE TO BE FLASHED WITH PRIMA REIN. FIELD FLASHING SYSTEM IF PLUMBING VENT ORS OR SMALL VENT TYPES IS TO BE EXTENDED, THE EXTENSION Joints SHOULD OCCUR WITHIN THE ROOF SYSTEM INSULATION.

M11. PROVIDE A TWO (2) BY SIX (6) MODIFIED BITUMINOUS, WHITE GRANULATED FLASHING-SHEATH MEMBRANE CONSISTING OF ONE (1) PL OF SMOOTH SURFACE SSF MODIFIED BITUMEN FLASHING REINFORCING SHEET WITH TYPE IV ASPHALT AND ONE (1) PL OF WHITE GRANULATED FLASHING-SHEATH PRIMER SHEET ADHERED WITH COOL PROCESS ADHESIVE. FLASHING MEMBRANE SEAMS SHOULD BE HEAT WELDED IN LINE OF USING COOL PROCESS ADHESIVE.

GENERAL WORK NOTES

A.	REMOVE A NEW 24 GA. REFINISHED STEEL CORING CAP ON END WALL, TO MATCH THE PROFILE OF NEW 24 GA. REFINISHED STEEL CORING CAP ON ADJACENT WALLS.
B.	LEAVE THE TOP OF OPERABLE WINDOWS CLEAR TO MAINTAIN FULL OPERATION OF WINDOW.
C.	PROVIDE REMOVAL OF FASTENERS, CUT EXISTING METAL AND PROVIDE NEW 24 GA. REFINISHED STEEL SIP METAL COUNTERFLASHING. OVERLAP THE SIP METAL COUNTERFLASHING, TO PROVIDE A TIGHT FIT AGAINST THE FLASHING MEMBRANE.
D.	PROVIDE SCRAPING AND REMOVAL OF LOOSE RUST, CLEANING, PRIMING, AND APPLICATION OF TWO (2) COATS OF ALUMINUM RUST PAINT. CROSS ROLL THE SECOND COAT OF PAINT FROM THE FIRST. LEAVE AT LEAST ONE (1) HOUR DRYING TIME BETWEEN COATS.
E.	PROVIDE REMOVAL AND REAPPLICATION OF THE JOINT SEALANT AT THE EXISTING LOCATION. THOROUGHLY CLEAN RESIDUAL SEALANT FROM THE SURFACES. PROVIDE PRIMER, NOY CLOSED CELL JOINT BACKER ROD, AND NEW ONE-PART POLYURETHANE SEALANT. TOOL SEALANT INTO JOINT TO PROVIDE A SMOOTH FILED BEAD AND POSITIVE ADHESION. PROVIDE SEALANT COLOR SAMPLES FOR APPROVAL BY OWNER / ARCHITECT.
F.	PROVIDE PAINA FLASHING SYSTEM AT THE JOINT BETWEEN THE NEW CORING CAP METAL AND THE WINDOW. EXTEND THE PAINA A MINIMUM OF 4" ONTO EACH SURFACE.
G.	PROVIDE LADDER-UP SAFETY POSTS AT ALL ROOF HATCH LOCATIONS.
H.	PROVIDE DEMOLITION OF EXISTING RTU-1, RTU-2, ASSOCIATED HIL CURBS AND PRE PARTS. COORDINATE WITH MECHANICAL CONTRACTOR FOR LOCATION OF NEW RTU-1 AND RTU-2 BOX CURBS. WORK IS PLANNED TO BE DONE IN FALL OF 2024. PROVIDE FLASHING AT NEW CURBS PER NOTE M1. PROVIDE TEMPORARY WATERPROOF COVER TOP OF CURB, UNTIL NEW RTU UNITS ARE INSTALLED DURING PHASE TWO (2). MECHANICAL WORK PLANNED FOR SPRING 2025.
I.	PROVIDE ONE (1) PLY OF NEW BASE PLY FLASHING DURING ROOF INSTALLATION. IN ANTICIPATION OF PHASE TWO (2) MECHANICAL WORK PLANNED FOR SPRING 2025. AFTER NEW RTU-1 AND RTU-2 ARE INSTALLED, PROVIDE IN-FILL OF DECK FLASHING WITH DECK OF SAME TYPE AND THICKNESS. PROVIDE ONE (1) PLY OF 58S MODIFIED BITUMEN ROOF MEMBRANE CONSISTING OF ONE (1) PLY OF 30 ADHESION SAFETY FIBER MODIFIED BITUMEN BASE PLY FLASHING WITH SOLVENT FREE COOL PROCESS ADHESIVE AND ONE (1) PLY OF WHITE GRANULATED 58S MODIFIED BITUMEN ROOF MEMBRANE FINISH PLY ADHERED WITH SOLVENT FREE COOL PROCESS ADHESIVE. THE MEMBRANE SEAMS MUST BE HEAT WELDED.
J.	PROVIDE ONE (1) LAYER OF THREE INCH (3") THICK HUNTER JACOBY AND A NEW 24 GA. REFINISHED STEEL COVER OVER THE EXISTING LOWER OPENING. LOWER TO BE REMOVED AS PART OF PHASE TWO (2) MECHANICAL WORK PLANNED FOR SPRING 2025.

SCOPE OF WORK NOTES

GENERAL

2. REMOVE THE EXISTING BUILT UP ROOF MEMBRANE AND GRAVEL SURFACING AND ASSOCIATED METALS TIED TO THE EXISTING ROOF INSULATION AND LEGAL DEPOSIT OF DEBRIS.
3. REMOVE EXISTING ROOF SYSTEM AND ASSOCIATED METALS DOWN TO THE STRUCTURAL DECK AND LEGAL DEPOSIT OF DEBRIS.
4. PROVIDE UNTREATED WOOD BLOTTING AND CURBS AS SHOWN ON THE DRAWINGS. FLASHING HEIGHTS SHALL BE A MINIMUM OF 12" ABOVE THE FINISHED ROOF MEMBRANE. THIS INCLUDES, BUT IS NOT LIMITED TO ROOF EXHAUST FANS, ROOF HATCHES, EXPANSION JOINTS, ROOF AIR DIMBERS AND ROOF TOP EQUIPMENT CURBS. IF ANY FLASHING DOES NOT, OR CAN NOT MEET THESE HEIGHTS, THE SITUATION SHOULD BE DISCUSSED WITH THE OWNER AND ARCHITECT AND MAY BE ACCEPTABLE TO THE MANUFACTURER OF THE ROOF SYSTEM. UNTREATED WOOD BLOTTING AND UNTREATED PLYWOOD SHEATHING SHOULD BE USED. PRESSURE TREATED WOOD IS NOT ALLOWED. ALL FLASHING SHALL BE INSTALLED WITHIN 12" OF THE ROOF DECK OR THE SUBSTRATE IF THE SUBSTRATE IS NOT A SUFFICIENTLY RIGID AND STABLE SUPPORT FOR THE FLASHING. UNLESS OTHERWISE SPECIFIED, ROOFING UNDERLAYMENT OR A TARP ARE ACCEPTABLE COVERINGS. PROVIDE WOODS OF THE ROOF RELATED WOOD BLOTTING, ROOF SHEATHING AND FRAMER SHEATHING SHOULD BE USED. INSULATION, THESE WOODS CAN BE INCORPORATED INTO THE EXTERIOR WALL WOODS WHEN APPROPRIATE.
5. REMOVE AND REPLACE ALL EXISTING ROOF DRAIN COMPONENTS FROM THE STRUCTURAL DECK UP INCLUDING HORIZONTAL PIPES AND VERTICAL LEADS WITH NEW 4" ROOF DRAIN COMPONENTS. PROVIDE NEW INSULATION TO THE UNDERSIDE OF EACH ROOF DRAIN ASSEMBLY AND NEW PIPE INSULATION ON THE VERTICAL LEADS TO THE FIRST HORIZONTAL CONNECTION. IF THE EXISTING ROOF DRAIN HINGE IS 4" OR 4" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 3" OR 3" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 2" OR 2" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1" OR 1" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/2" OR 1/2" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/4" OR 1/4" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/8" OR 1/8" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/16" OR 1/16" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/32" OR 1/32" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/64" OR 1/64" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/128" OR 1/128" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/256" OR 1/256" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/512" OR 1/512" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/1024" OR 1/1024" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/2048" OR 1/2048" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/4096" OR 1/4096" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/8192" OR 1/8192" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/16384" OR 1/16384" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/32768" OR 1/32768" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/65536" OR 1/65536" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/131072" OR 1/131072" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/262144" OR 1/262144" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/524288" OR 1/524288" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/1048576" OR 1/1048576" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/2097152" OR 1/2097152" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/4194304" OR 1/4194304" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/8388608" OR 1/8388608" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/16777216" OR 1/16777216" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/33554432" OR 1/33554432" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/67108864" OR 1/67108864" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/134217728" OR 1/134217728" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/268435456" OR 1/268435456" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/536870912" OR 1/536870912" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/1073741824" OR 1/1073741824" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/2147483648" OR 1/2147483648" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/4294967296" OR 1/4294967296" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/8589934592" OR 1/8589934592" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/17179869184" OR 1/17179869184" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/34359738368" OR 1/34359738368" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/68719476736" OR 1/68719476736" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/137438953472" OR 1/137438953472" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/274877906944" OR 1/274877906944" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/549755813888" OR 1/549755813888" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/1099511627776" OR 1/1099511627776" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/2199023255552" OR 1/2199023255552" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/4398046511104" OR 1/4398046511104" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/8796093022208" OR 1/8796093022208" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/17592186044416" OR 1/17592186044416" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/35184372088832" OR 1/35184372088832" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/70368744177664" OR 1/70368744177664" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/140737488355328" OR 1/140737488355328" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/281474976710656" OR 1/281474976710656" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/562949953421312" OR 1/562949953421312" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/1125899906842624" OR 1/1125899906842624" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/2251799813685248" OR 1/2251799813685248" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/4503599627370496" OR 1/4503599627370496" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/9007199254740992" OR 1/9007199254740992" PLUS MATCH THE SIZE OF THE EXISTING DRAIN, REMOVE THE EXISTING DRAIN AND REPLACE WITH THE NEW DRAIN. IF THE EXISTING DRAIN HINGE IS 1/18014398509

SCOPE OF WORK TABLE

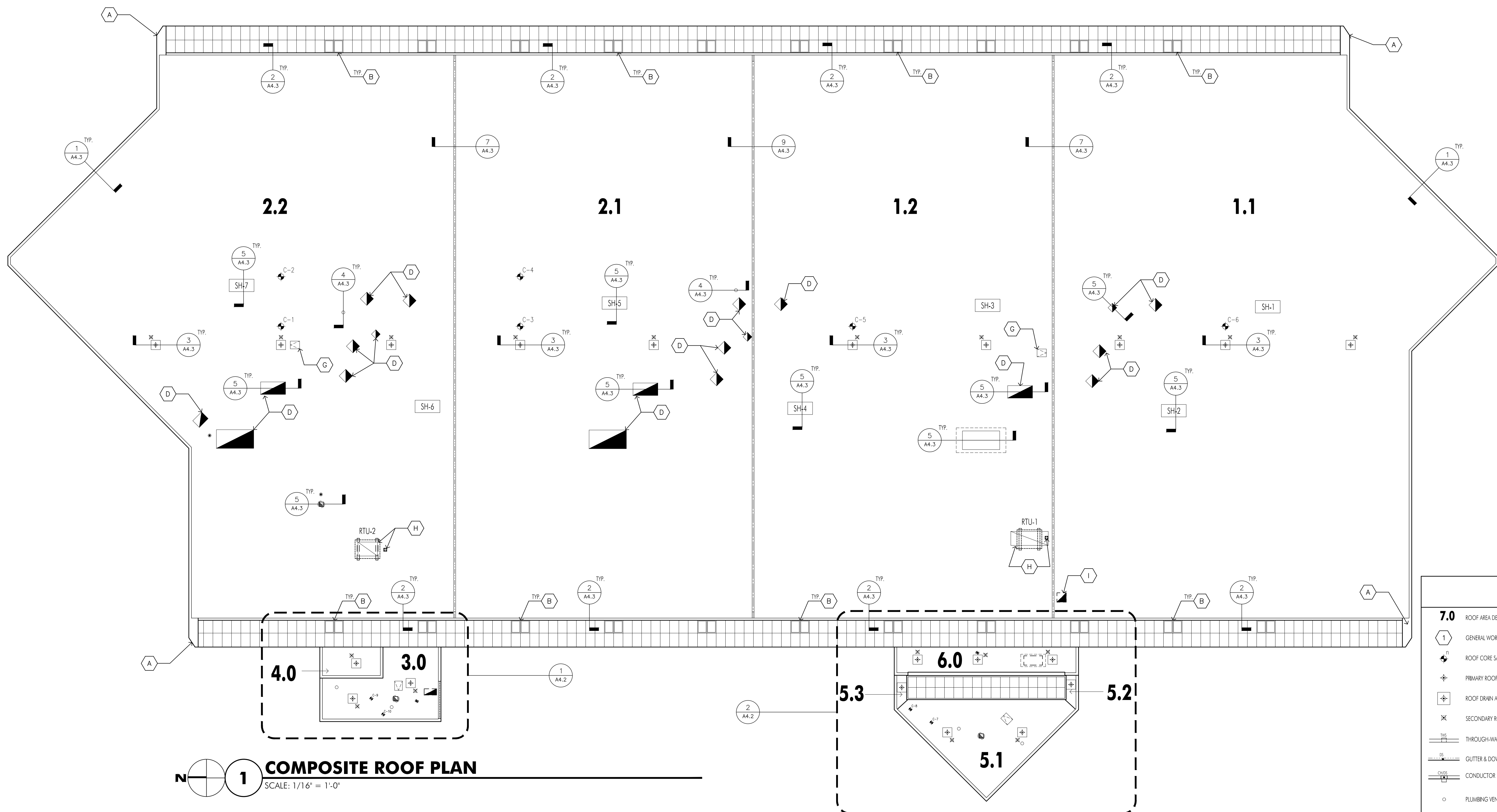
ROOF AREA	APPLICABLE WORK NOTES (REFER TO SCOPE OF WORK NOTES)																		
	1	2	3	4	5	6	7		M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11
1.1	●												●						
1.2	●		●	●	●	●	●						●			●	●	●	●
2.1	●					●	●												
2.2	●		●	●	●	●	●						●			●	●	●	●
3.0		●	●	●	●	●				●	●	●			●	●	●	●	●
4.0		●	●	●	●	●				●	●	●			●	●	●	●	●
5.1		●	●	●	●	●	●								●	●	●	●	●
5.2		●	●	●	●	●				●	●	●			●	●	●	●	●
5.3																			
6.0	●	●	●	●	●	●				●	●	●			●	●	●	●	●

FASTENER SCHEDULE

ITEM	SUBSTRATE	FASTENER	SPACING	
WOOD BLOCKING CURBS, CANTS & MISC. STEEL	METAL	#12 METAL DECK SCREWS	12" O.C. STAGGERED	(1) NAIL
	WOOD	GALVANIZED RING SHANK NAILS	12" O.C. STAGGERED	(2) CAP NAIL
	CONVENTIONAL WOOD FIBER	1/4" DIA. TOGGLE BOLTS	2'-0" O.C.	(3) #12 METAL DECK SCREW
	GYPSUM	1/4" DIA. TOGGLE BOLTS	2'-0" O.C.	(4) FLATHEAD WOOD SCREW
	CONCRETE MASONRY	1/2" DIA. GALVANIZED THREADED ROD	2'-0" O.C.	
30# FELT UNDERLAYMENT	WOOD	1-1/4" GALVANIZED CAP NAILS W/ 1" HEAD	4" O.C. EACH DIRECTION	
SHEET METAL GUTTERS GRAVEL STOPS	WOOD	1-1/2" GALVANIZED RING SHANK NAILS	2 ROWS STAGGERED, 3" O.C. IN EACH FLANGE	(5) STAINLESS STEEL SCREW W/ WASHER
BASE FLASHINGS	WOOD	1-1/4" GALVANIZED CAP NAILS W/ 1" HEAD	4" O.C.	
PLYWOOD (PARAPET WALLS)	MASONRY	3/16" DIA. FLATHEAD TAPCON SCREWS	9" O.C. EACH DIRECTION	(6) FLATHEAD TAPCON
PLYWOOD	PLYWOOD	FLATHEAD GALVANIZED WOOD SCREWS	9" O.C. EACH DIRECTION	(7) TAPCON W/ WASHER
SHEET METAL (COUNTERFLASHING)	CONCRETE MASONRY	3/16" DIA. TAPCON SCREWS OR DRIVE ANCHORS W/ EPDM WASHERS	12" O.C.	
SHEET METAL (RAISED METAL EDGE)	WOOD	#12-#14 DIA. STAINLESS STEEL SCREWS W/ EPDM WASHERS	18" O.C. IN FASTENERS MIN. PER 10' SECTION AND 2' FASTENERS VERTICALLY AT EACH JOINT COVER PLATE	(8) TOGGLE BOLT
SHEET METAL (CONTINUOUS CLEATS)	WOOD	3/16" DIA. FLATHEAD GALVANIZED WOOD SCREWS OR GALVANIZED RING SHANK NAILS	6" O.C. STAGGERED	(9) THREADED ROD
SHEET METAL (KEEPER STRAPS)	WOOD	3/16" STAINLESS STEEL ROUND HEAD SCREWS	3 PER KEEPER STRAP	
	CONCRETE	DRIVE ANCHORS	3 PER KEEPER STRAP	(10) EXPANSION BOLT
SHEET METAL (DOWNSPOUTS)	MASONRY	1/4" X 1" L-STRAP W/ 2-4" TAPCONS OR DRIVE ANCHORS	4'-0" O.C.	

ROOF CORE SAMPLES

- | |
|--|
| <p><u>CORE 1 (C-1): ROOF AREA 2.2</u></p> <ul style="list-style-type: none"> TYPE-F DECK 2" POLYISOCYANURATE N/A 1/2" PERLITE N/A ABU-G |
| <p><u>CORE 2 (C-2): ROOF AREA 2.2 (16' UPSLOPE FROM C-1)</u></p> <ul style="list-style-type: none"> SAVE CORE 1 (C-1) |
| <p><u>CORE 3 (C-3): ROOF AREA 2.1</u></p> <ul style="list-style-type: none"> SAVE CORE 1 (C-1) |
| <p><u>CORE 4 (C-4): ROOF AREA 2.1 (16' UPSLOPE FROM C-3)</u></p> <ul style="list-style-type: none"> SAVE CORE 1 (C-1) |
| <p><u>CORE 5 (C-5): ROOF AREA 1.2</u></p> <ul style="list-style-type: none"> SAVE CORE 1 (C-1) |
| <p><u>CORE 6 (C-6): ROOF AREA 1.1</u></p> <ul style="list-style-type: none"> SAVE CORE 1 (C-1) |
| <p><u>CORE 7 (C-7): ROOF AREA 5.1</u></p> <ul style="list-style-type: none"> TYPE-F DECK 2" PERLITE (SUSPECT N/A) ABU-G |
| <p><u>CORE 8 (C-8): ROOF AREA 5.1 (8' UPSLOPE FROM C-7)</u></p> <ul style="list-style-type: none"> TYPE-F DECK 4" PERLITE (SUSPECT N/A) ABU-G |
| <p><u>CORE 9 (C-9): ROOF AREA 3.0</u></p> <ul style="list-style-type: none"> TYPE-F DECK 2" PERLITE (SUSPECT N/A) ABU-G |
| <p><u>CORE 10 (C-10): ROOF AREA 3.0 (8' UPSLOPE FROM C-9)</u></p> <ul style="list-style-type: none"> TYPE-F DECK 3.9" PERLITE (SUSPECT N/A) ABU-G |
| <p>NOTE:</p> <p>SGS FORENSIC LABORATORIES TESTED THE ROOF MEMBRANE SAMPLES FOR ACM AND THE RESULTS FOR ALL SAMPLES TESTED WERE NO ION DETECTED. REPORT DATED 11/15/2023 AVAILABLE UPON REQUEST.</p> <p>ABU-G = ASPHALT BUILT-UP ROOF MEMBRANE WITH GRAVEL SURFACING
 ACM = ASBESTOS CONTAINING MATERIAL
 N/A = MECHANICALLY ATTACHED</p> |



SYMBOL LEGEND

7.0	ROOF AREA DESIGNATION		ROOF HATCH		ROOF EXPANSION JOINT
	GENERAL WORK NOTES		EXHAUST FAN		ROOF AREA DIVIDER
	ROOF CORE SAMPLE		CURB		ROOF MOUNTED BEAM
	PRIMARY ROOF DRAIN		ABANDONED CURB		ROOF LADDER
	ROOF DRAIN AND SLUMP		DUCT		STRUCTURE BELOW ROOF OVERHANG
	SECONDARY ROOF DRAIN		SKYLIGHT		VALLEY LINE
	THROUGH-WALL SCUDDER		RTU (CURB)		RIDGE LINE
	GUTTER & DOWNSPOUT		RTU (WALL)		GAS PIPE
	CONDUCTOR HEAD & DOWNSPOUT		INTAKE		ELECTRICAL CONDUIT
	PLUMBING VENT		ANTENNA		CONDENSATE LINE
	FLUE STACK		PITCH PANS		PIPE CURB COVER(S)

for
**SOLID WASTE AGENCY
OF NORTHERN
COOK COUNTY
(SWANCC)
77 West Hintz Road
Wheeling, Illinois 60090**



ISSUED FOR BID

REVISIONS

No.	Date	By

Project Number:
23122

Issue Date:
March 15, 2024

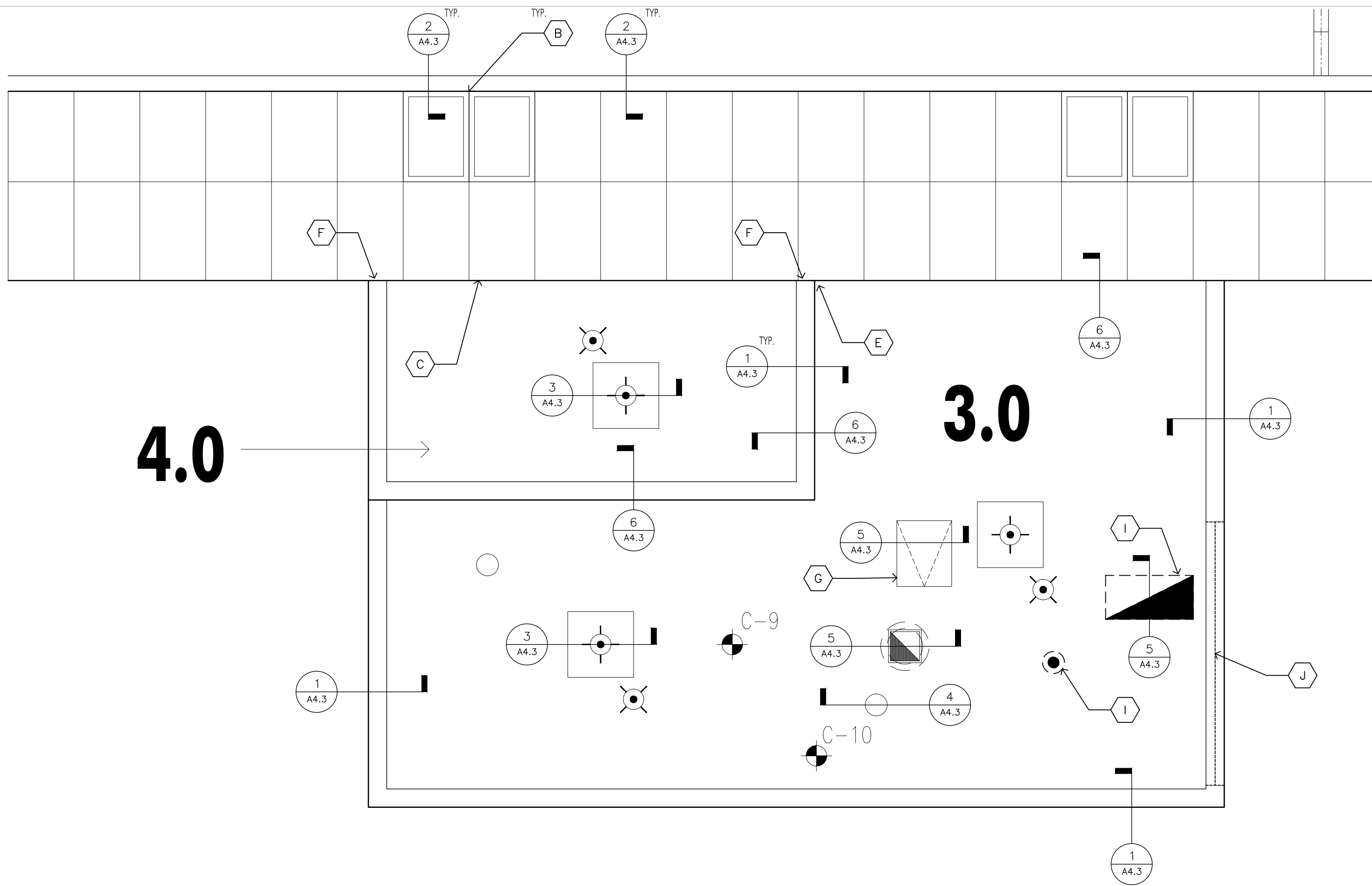
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Sheet Title
**COMPOSITE
ROOF PLAN**

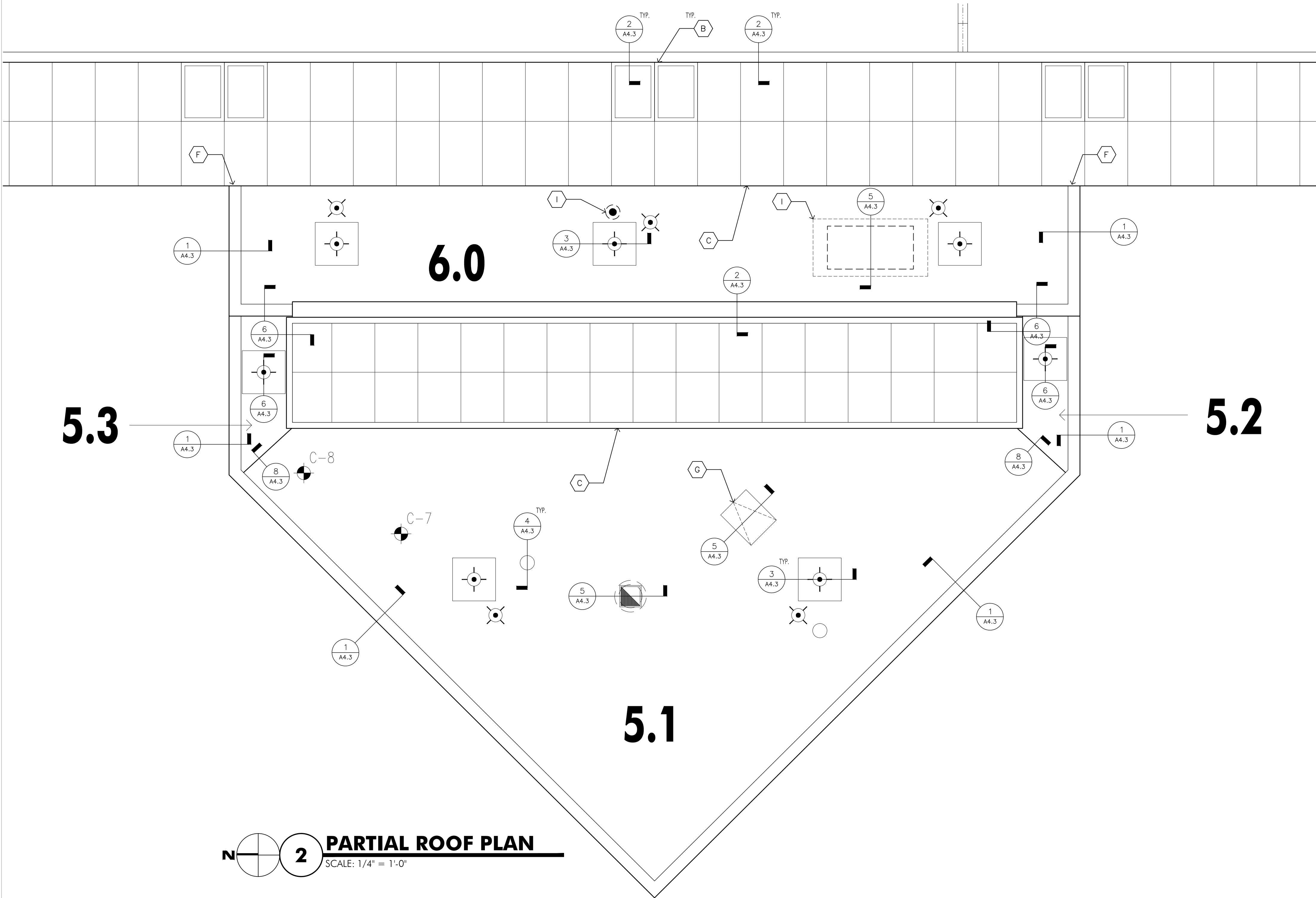
Sheet Number

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



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

GENERAL WORK NOTES

A. PROVIDE A NEW 24 GA. PREFINISHED STEEL CORING CAP ON END WALL TO MATCH THE PROFILE OF NEW 24 GA. PREFINISHED STEEL CORING CAP ON ADJACENT WALLS.

B. LEAVE THE TOP OF OPERABLE WINDOWS CLEAR TO MAINTAIN FULL OPERATION OF WINDOW.

C. PROVIDE REMOVAL OF FASTENERS, CUT EXISTING METAL AND PROVIDE NEW 24 GA. PREFINISHED STEEL SLIP METAL COUNTERFLASHING. OVERBREAK THE SLIP METAL COUNTERFLASHING, TO PROVIDE A TIGHT FIT AGAINST THE FLASHING MEMBRANE.

D. PROVIDE SCRAPING AND REMOVAL OF LOOSE RUST, CLEANING, PRIMING, AND APPLICATION OF TWO (2) COATS OF ALUMINUM RUST PAINT. CROSS ROLL THE SECOND COAT OF PAINT FROM THE FIRST. LEAVE AT LEAST ONE (1) HOUR DRYING TIME BETWEEN COATS.

E. PROVIDE REMOVAL AND REPLACEMENT OF THE JOINT SEALANT AT THE EXISTING LOCATION. THOROUGHLY CLEAN RESIDUAL SEALANT FROM THE SURFACES. PROVIDE PRIMER, NEW CLOSED CELL JOINT BACKER ROD, AND NEW ONE-PART POLYURETHANE SEALANT. TOOL SEALANT INTO PLACE TO PROVIDE A SMOOTH FILLET BEAD AND POSITIVE ADHESION. PROVIDE SEALANT COLOR SAMPLES FOR APPROVAL BY OWNER / ARCHITECT.

F. PROVIDE PIVMA FLASHING SYSTEM AT THE JOINT BETWEEN THE NEW CORING CAP METAL AND THE WINDOW. EXTEND THE PIVMA A MINIMUM OF 4" ONTO EACH SURFACE.

G. PROVIDE LADDER-UP SAFETY POSTS AT ALL ROOF HATCH LOCATIONS.

H. PROVIDE DEMOLITION OF EXISTING RTU-1, RTU-2, ASSOCIATED RAIL CURBS AND PIPE PORTALS. COORDINATE WITH MECHANICAL CONTRACTOR FOR LOCATION OF NEW RTU-1 AND RTU-2 BOX CURBS. WORK IS PLANNED TO BE DONE IN FALL OF 2024. PROVIDE FLASHING AT NEW CURBS PER NOTE M1.1. PROVIDE TEMPORARY WATERTIGHT COVER OVER TOP OF CURB, UNTIL NEW RTU UNITS ARE INSTALLED DURING PHASE TWO (2). MECHANICAL WORK PLANNED FOR SPRING 2025.

I. PROVIDE ONE (1) PLY OF NEW BASE PLY FLASHING DURING ROOF INSTALLATION. IN ANTICIPATION OF PHASE TWO (2) MECHANICAL WORK PLANNED FOR SPRING 2025. AFTER NEW RTU-1 AND RTU-2 ARE INSTALLED, PROVIDE IN-FILL OF DECK OPENING WITH DECK OF SAME TYPE AND THICKNESS. PROVIDE NEW TWO (2) PLY SBS ACQUIRED BETWEEN ROOF MEMBRANE CONSISTING OF ONE (1) PLY OF SMOOTH SURFACED SBS ACQUIRED BETWEEN ROOF MEMBRANE BASE PLY ADHERED WITH SOLVENT FREE COLD PROCESS ADHESIVE AND ONE (1) PLY OF WHITE GRANULATED SBS ACQUIRED BETWEEN ROOF MEMBRANE FINISH PLY ADHERED WITH SOLVENT FREE COLD PROCESS ADHESIVE. FIELD MEMBRANE SEAMS MUST BE HEAT WELDED.

J. PROVIDE ONE (1) LAYER OF THREE INCH (3") THICK HUNTER KID RLY AND A NEW 24 GA. PREFINISHED STEEL COVER OVER THE EXISTING LOUVER OPENING. LOUVER TO BE REMOVED AS PART OF PHASE TWO (2) MECHANICAL WORK PLANNED FOR SPRING 2025.

SYMBOL LEGEND

7.0

1

GENERAL WORK NOTES

ROOF CORE SAMPLE

PRIMARY ROOF DRAIN

ROOF DRAIN AND SLUMP

SECONDARY ROOF DRAIN

THROUGH-WALL SCUPPER

GUTTER & DOWNSPOUT

CONDUCTOR HEAD & DOWNSPOUT

FLUWBING VENT

FLUE STACK

TYP

B

AB

SKYLIGHT

RTU (CURB)

RTU (RAILS)

INTAKE

ANTENNA

PITCH PANS

ROOF HATCH

EXHAUST FAN

CURB

ABANDONED CURB

DUCT

SKYLIGHT

RTU (CURB)

RTU (RAILS)

INTAKE

ANTENNA

PITCH PANS

ROOF EXPANSION JOINT

ROOF AREA DIVIDER

ROOF MOUNTED BEAM

ROOF LADDER

STRUCTURE BELOW ROOF OVERHANG

VALLEY LINE

RIDGE LINE

GAS PIPE

ELECTRICAL CONDUIT

CONDENSATE LINE

PIPE CURB COVER(S)

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landscape architects

2050 south finley road, suite 40
lombard, illinois 60148
p: 630.495.1900
www.arconassoc.com

ROOF
REPLACEMENT

at

GLENVIEW
TRANSFER STATION
3 Providence Way
Des Plaines, Illinois
60016

for

SOLID WASTE AGENCY
OF NORTHERN
COOK COUNTY
(SWANCC)
77 West Hintz Road
Wheeling, Illinois 60090



ISSUED FOR BID

REVISIONS		
No.	Date	By

Project Number:
23122

Issue Date:
March 15, 2024

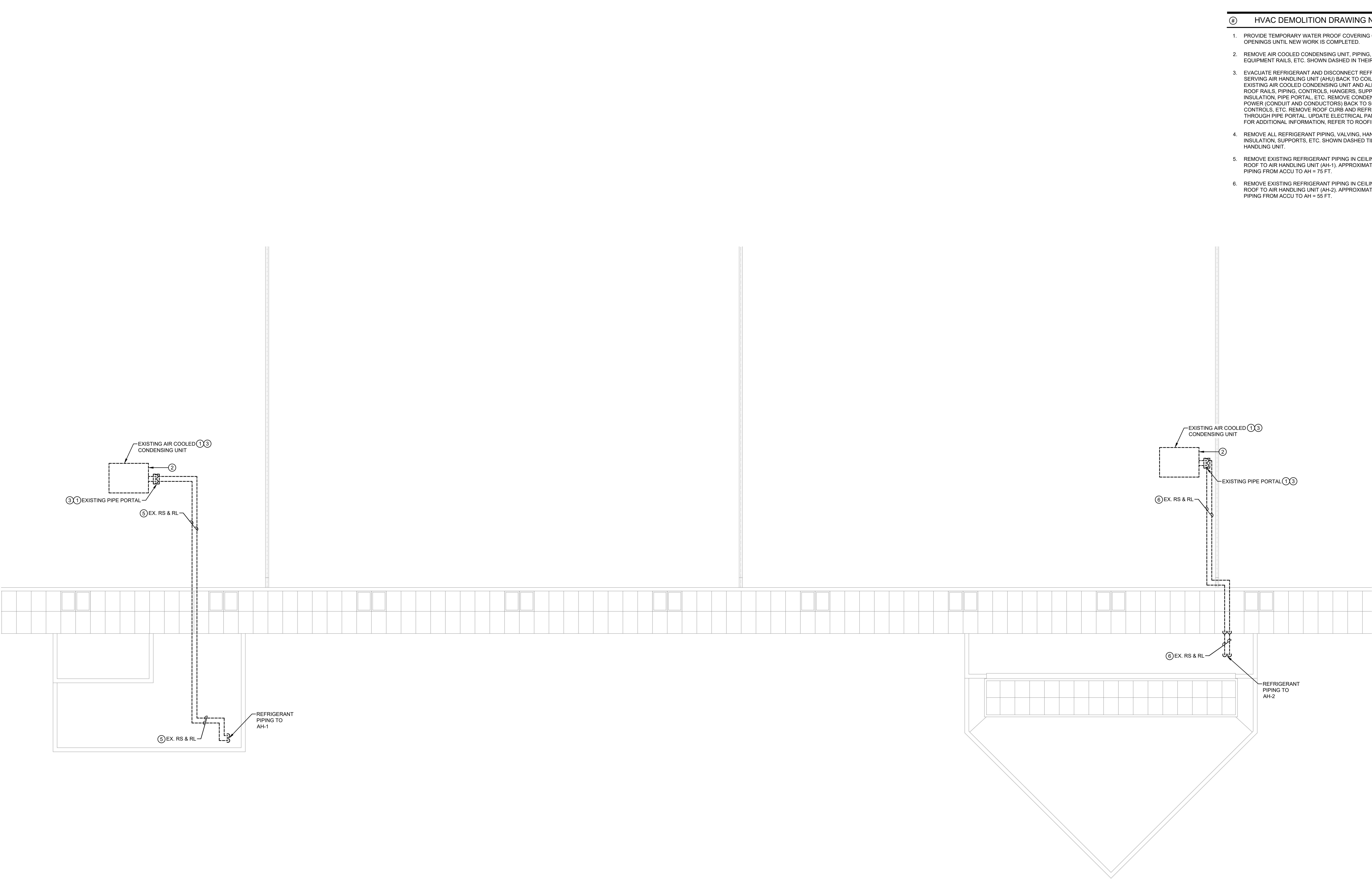
Drawn by:
JJP

Sheet Title
PARTIAL
ROOF PLANS

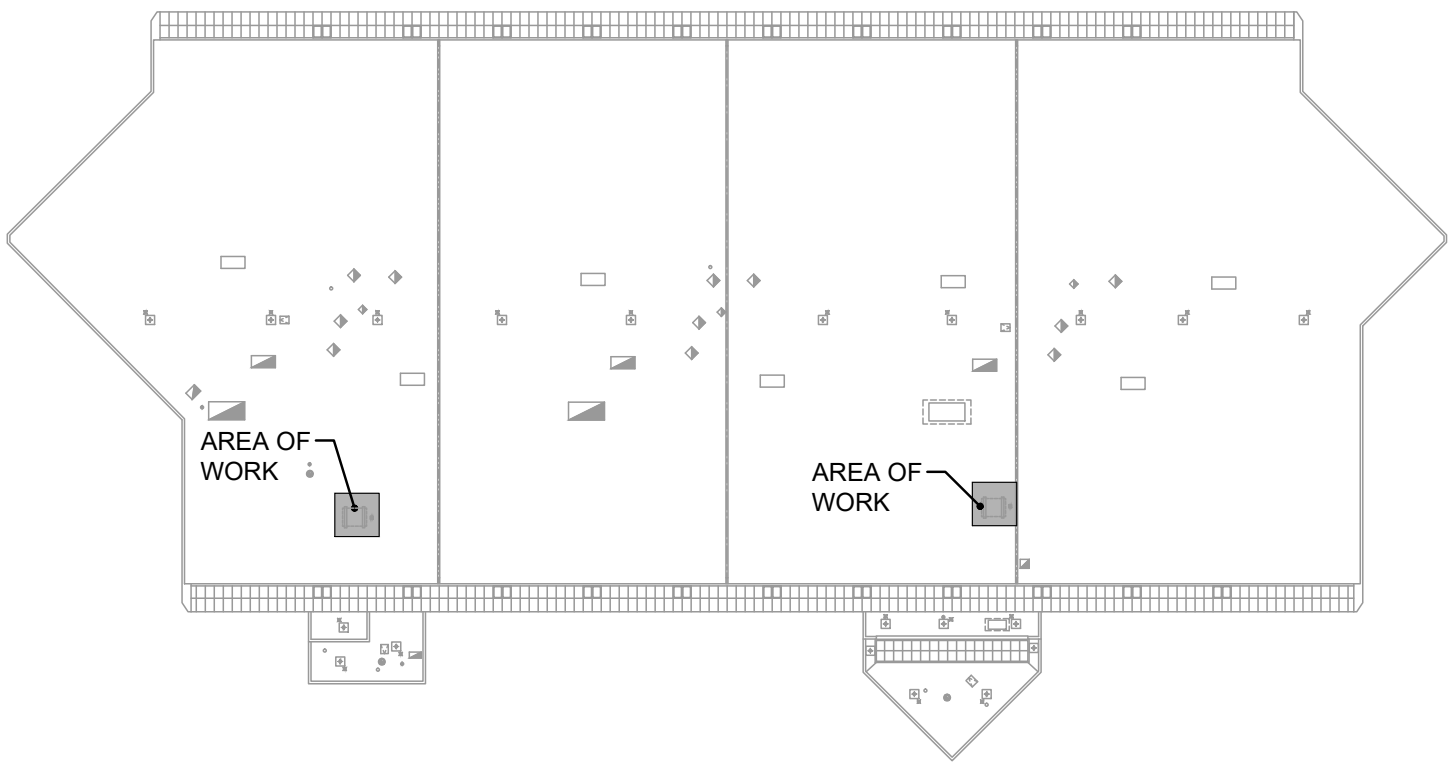
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A4.2

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1 **PARTIAL ROOF PLAN - HVAC DEMOLITION WORK**
SCALE: 1/8" = 1'-0"
SWANCC - Des Plaines



KEY PLAN
NO SCALE

- HVAC DEMOLITION DRAWING NOTES:**
1. PROVIDE TEMPORARY WATER PROOF COVERING OVER ROOF OPENINGS UNTIL NEW WORK IS COMPLETED.
 2. REMOVE AIR COOLED CONDENSING UNIT, PIPING, INSULATION, EQUIPMENT RAILS, ETC. SHOWN DASHED IN THEIR ENTIRETY.
 3. EVACUATE REFRIGERANT AND DISCONNECT REFRIGERANT PIPING SERVING AIR HANDLING UNIT (AHU) BACK TO COIL IN AHU. REMOVE EXISTING AIR COOLED CONDENSING UNIT AND ALL ASSOCIATED ROOF RAILS, PIPING, CONTROLS, HANGERS, SUPPORTS, INSULATION, PIPE PORTAL, ETC. REMOVE CONDENSING UNIT POWER (CONDUIT AND CONDUCTORS) BACK TO SOURCE. CONTROLS, ETC. REMOVE ROOF CURB AND REFRIGERANT PIPING THROUGH PIPE PORTAL. UPDATE ELECTRICAL PANEL SCHEDULE. FOR ADDITIONAL INFORMATION, REFER TO ROOFING DRAWINGS.
 4. REMOVE ALL REFRIGERANT PIPING, VALVING, HANGERS, INSULATION, SUPPORTS, ETC. SHOWN DASHED TILL INDOOR AIR HANDLING UNIT.
 5. REMOVE EXISTING REFRIGERANT PIPING IN CEILING SPACE BELOW ROOF TO AIR HANDLING UNIT (AH-1). APPROXIMATE DISTANCE OF PIPING FROM ACCU TO AH = 75 FT.
 6. REMOVE EXISTING REFRIGERANT PIPING IN CEILING SPACE BELOW ROOF TO AIR HANDLING UNIT (AH-2). APPROXIMATE DISTANCE OF PIPING FROM ACCU TO AH = 55 FT.

ARCON
architects
construction managers
roof & masonry consultants
landscape architects
2050 south finley road, suite 40
lombard, illinois 60148
p: 630.495.1900
www.arconassoc.com

ROOF REPLACEMENT
at
GLENVIEW TRANSFER STATION
3 Providence Way
Des Plaines, Illinois 60016

for
SOLID WASTE AGENCY OF NORTHERN COOK COUNTY (SWANCC)
77 West Hintz Road
Wheeling, Illinois 60090



Mechanical/Electrical:
CS2 Design Group, LLC
837 Oakton Street
Elk Grove Village, IL 60007
p: 847.981.1880

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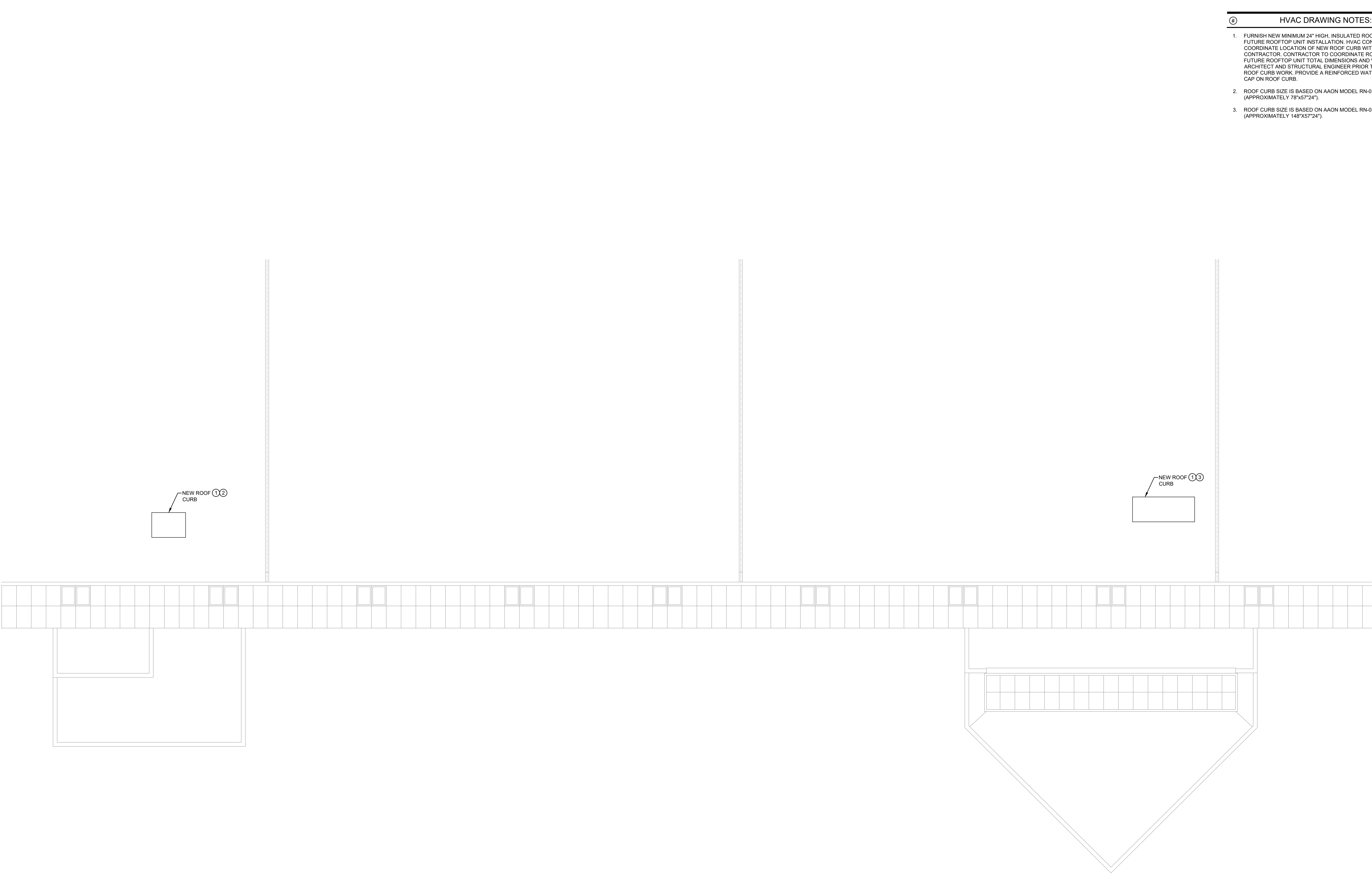
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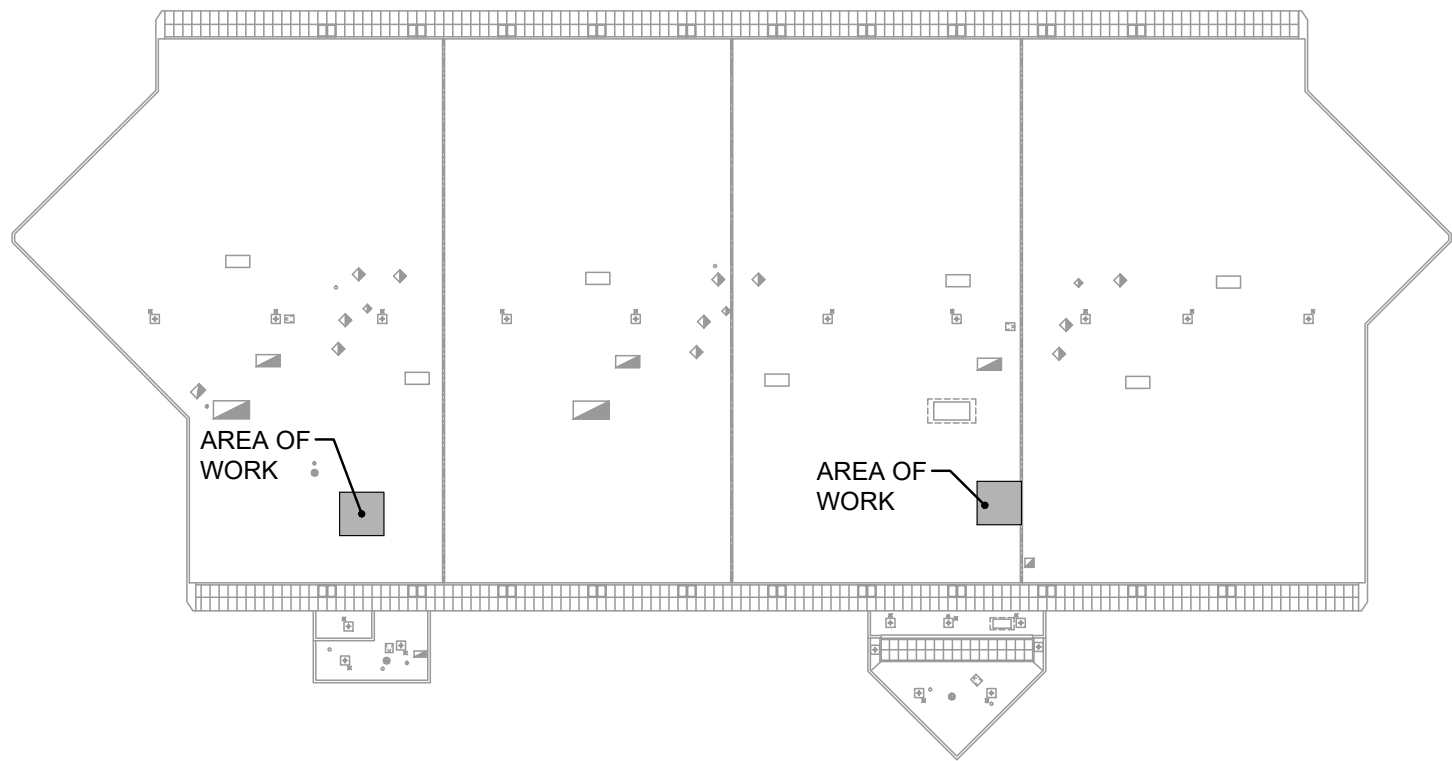
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PARTIAL ROOF PLAN - HVAC DEMOLITION WORK
Sheet Number

HV0.1

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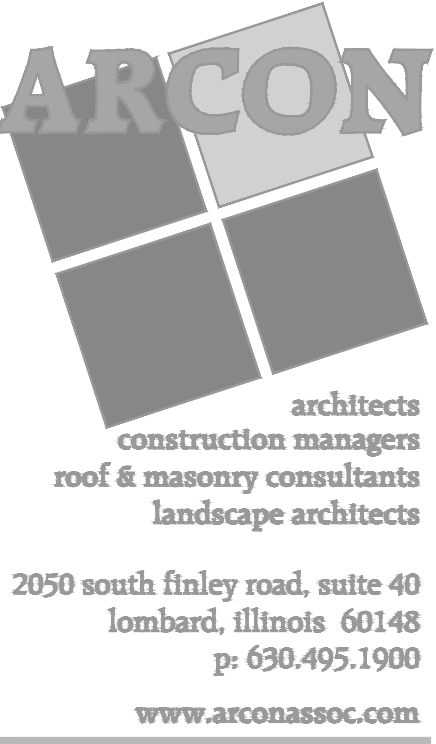


PARTIAL ROOF PLAN - HVAC WORK
SCALE: 1/8" = 1'-0"
SWANCC - Des Plaines



KEY PLAN
NO SCALE

- HVAC DRAWING NOTES:**
1. FURNISH NEW MINIMUM 24" HIGH, INSULATED ROOF CURB FOR FUTURE ROOFTOP UNIT INSTALLATION. HVAC CONTRACTOR TO COORDINATE LOCATION OF NEW ROOF CURB WITH ROOFING CONTRACTOR. CONTRACTOR TO COORDINATE ROOF CURB AND FUTURE ROOFTOP UNIT TOTAL DIMENSIONS AND WEIGHTS WITH ARCHITECT AND STRUCTURAL ENGINEER PRIOR TO COMMENCING ROOF CURB WORK. PROVIDE A REINFORCED WATER TIGHT ROOF CAP ON ROOF CURB.
 2. ROOF CURB SIZE IS BASED ON AAON MODEL RN-013-3-0-HA09-3GB (APPROXIMATELY 75"x37"24").
 3. ROOF CURB SIZE IS BASED ON AAON MODEL RN-030-3-0-EA09-38B (APPROXIMATELY 145"x57"24").



ROOF REPLACEMENT

at
GLENVIEW TRANSFER STATION
3 Providence Way
Des Plaines, Illinois
60016

for
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Sheet Title
PARTIAL ROOF PLAN - HVAC WORK

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HV1.0