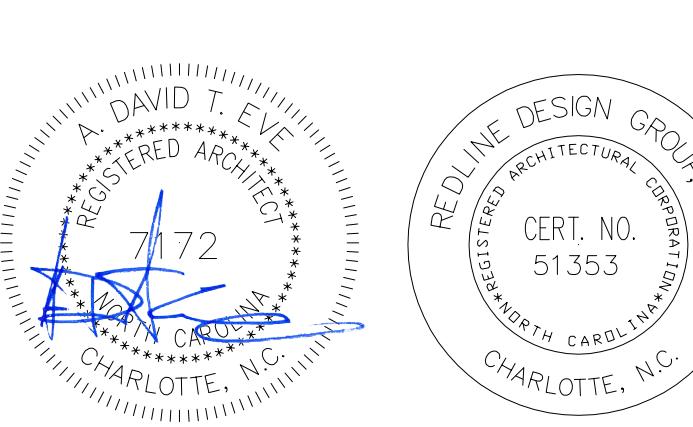
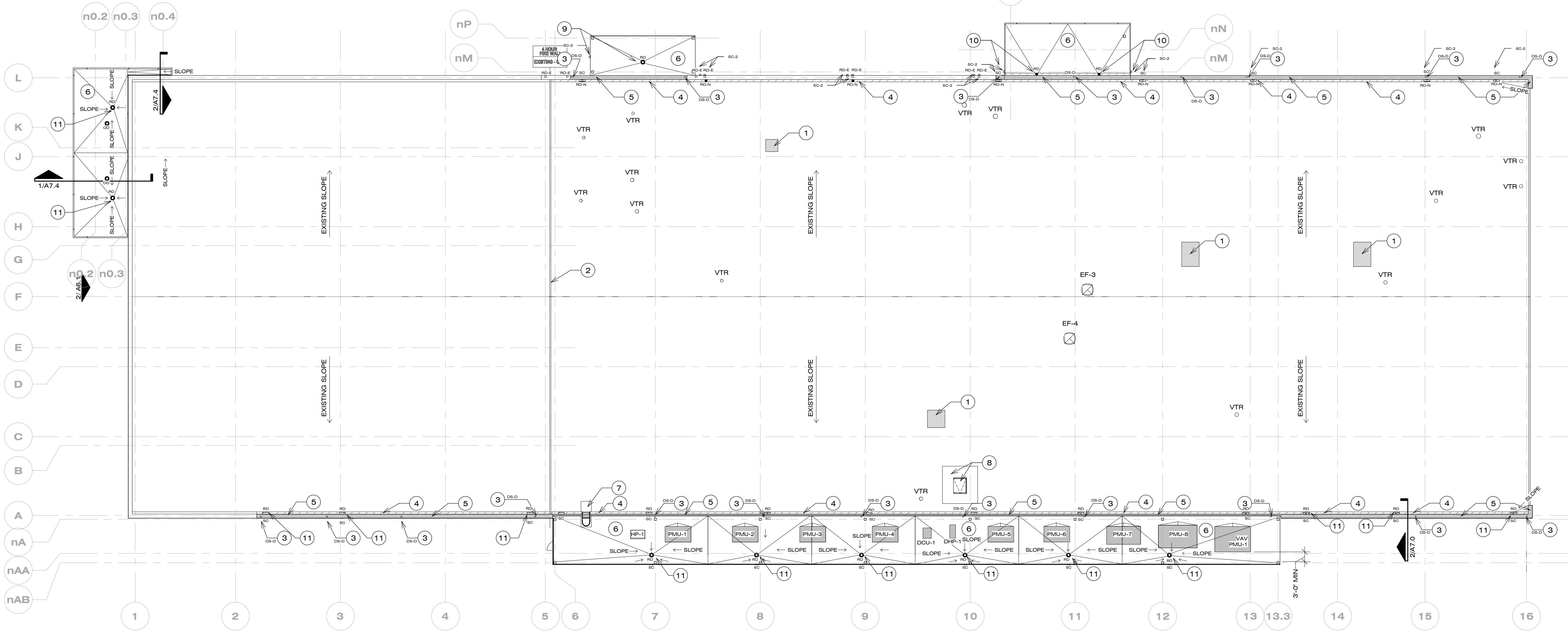


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03.31.2025

HMAC - HENDRICK MOTORSPORTS ATHLETIC CENTER RENOVATION

4411 PAPA JOE
HENDRICK BLVD.
CONCORD, NC
28262

1 ROOF PLAN

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

ROOF PLAN KEY NOTES	
1	PATCH AND REPAIR EXISTING TPO ROOF SYSTEM AS SHOWN HATCHED. VERIFY EXACT LOCATION IN FIELD. REFER TO DEMOLITION PLAN FOR REMOVAL OF EXISTING RTUS AND ROOF LADDER.
2	EXISTING JOINT AT RATED WALL ASSEMBLY TO REMAIN
3	REMOVE EXISTING GUTTER AND (DS-D) DOWNSPOUT SYSTEM. INTERNAL ROOF DRAINS (RD-E), AND OVERFLOW DRAINS (OD-E) TO REMAIN. VERIFY ALL EXISTING INTERNAL DRAINS IN FIELD LOCATIONS AND COORDINATE WITH CIVIL FOR REMOVAL. PROVIDE NEW THRU-WALL SCUPPER (SC) COVER FOR EXISTING OVERFLOW DRAINS.
4	NEW B VALLEY GUTTER SYSTEM AS SHOWN HATCHED WITH INTERNAL ROOF DRAINS (RD-N) AND THRU-WALL OVERFLOW SCUPPERS (SC). PROVIDE COORDINATE EXISTING INTERNAL ROOF DRAIN (RD-E) AND REROUTE AS REQUIRED TO NEW VALLEY GUTTER SYSTEM.
5	NEW PARAPET AS SHOWN HATCHED TO ALIGN WITH ADJACENT PARAPET. SEE WALL SECTIONS FOR MORE INFORMATION.
6	MECHANICALLY FASTENED WHITE 60 MIL. SINGLE PLY TPO ROOFING SYSTEM OVER RIGID INSULATION ON METAL DECK.
7	PARAPET ACCESS LADDER AND WALKWAY PADS. SEE SYMBOLS LEGEND
8	NEW ROOF HATCH AND CURB. PROVIDE WALKWAY PADS AROUND HATCH. SEE SYMBOLS LEGEND
9	ROUTE ROOF DRAIN TO UNDERSIDE OF EXPOSED STRUCTURE, ALONG SIDE BEAM AND TURN DOWN IN EIPS WING WALL AND DAYLIGHT OUT SIDE. SEE SYMBOLS LEGEND FOR THRU-WALL RD NOZZLE (SC-2).
10	ROUTE INTERNAL ROOF DRAIN DOWN ACM WING WALL AND DAYLIGHT OUT SIDE. SEE SYMBOLS LEGEND FOR THRU-WALL RD NOZZLE (SC-2).
11	NEW INTERNAL ROOF DRAIN AND/OR DOWNSPOUT TO BE CONNECTED TO STORM, SEE CIVIL
12	-
13	-
14	-
15	-
16	-
17	-

ROOF LEGEND	
DS	PROVIDE PREPARED 3X3 DOWNSPOUT W/ KYNAR 500 FINISH OVER 24 GAUGE GALVANIZED STEEL. SEE PLUMBING DRAWINGS FOR SIZE, HOE & SONS GRAY IRON A-SERIES ANGULAR DOWNSPOUT BOOT. PROVIDE CONCRETE SPLASHBLOCK, OR TIE TO UNDERGROUND STORMWATER SYSTEM AS REQUIRED.
RD	PRIMARY ROOF DRAIN W/ CAST IRON COVER. SEE PLUMBING DRAWINGS FOR SIZING AND CONTINUATION TO UNDERGROUND STORMWATER SYSTEM.
OD	EMERGENCY OVERFLOW ROOF DRAIN W/ 2" WATER DAM AND CAST IRON COVER. SEE PLUMBING DRAWINGS FOR SIZING AND CONTINUATION TO DAYLIGHT LOCATION.
SC	THRU-WALL DOWNSPOUT NOZZLE WITH ANCHOR FLANGE TO CONNECT TO INTERNAL DRAIN WITH STAINLESS STEEL COVER SCREEN.
SC-2	X' THRU-WALL DOWNSPOUT NOZZLE WITH ANCHOR FLANGE TO CONNECT TO INTERNAL DRAIN WITH STAINLESS STEEL COVER SCREEN.
PMU-X	ROOF MOUNTED EXHAUST FAN ON 12" (MIN.) PREFABRICATED, INSULATED CURB. SEE PLUMBING DRAWINGS FOR EXACT LOCATION AND CONTROLS.
SLOPE	ARROW INDICATES DIRECTION OF DOWNWARD ROOF SLOPE. ROOF SLOPE MINIMUM OF 1/4" PER FOOT (INCLUDING ALL VALLEYS).
VALLEY GUTTER	PREFABRICATED VALLEY GUTTER W/ KYNAR 500 FINISH OVER 24 GAUGE GALV. STEEL TO BE WRAPPED IN NEW IPO MEMBRANE. PROVIDE 1/8" PER FT. MIN. SLOPE TO INTERNAL ROOF DRAIN. MAX. EXPANSION JOINTS @ 50 O.C. PROVIDED AS REQUIRED. SEE WALL SECTIONS FOR MORE INFORMATION. CATCHER FLASHING AS REQ'D. SEE ROOF PLAN FOR GUTTER SIZING AND DRAINAGE CALCULATIONS. SEE WALL SECTIONS FOR MORE INFORMATION.
E-F-X	ROOF MOUNTED EXHAUST FAN ON 12" (MIN.) PREFABRICATED, INSULATED CURB. SEE MECHANICAL DRAWINGS FOR EXACT LOCATION AND CONTROLS.
VTR	PLUMBING OR MECHANICAL VENT THRU ROOF. SEE PLUMBING & MECHANICAL PLANS FOR EXACT LOCATIONS.

GENERAL ROOF PLAN NOTES	
1	GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR VERIFICATION OF ALL ROOF DIMENSIONS INCLUDING SIZES AND LOCATION OF ALL EXISTING CURBS UNLESS NOTED OTHERWISE.
2	GENERAL CONTRACTOR'S SHALL ENSURE THAT THE ROOF STRUCTURE IS NOT OVERLOADED BY WEIGHTS OF CONSTRUCTION EQUIPMENT, MATERIALS, AND PERSONNEL DURING CONSTRUCTION AND SHALL PROVIDE ADEQUATE FALL PROTECTION.
3	THE GENERAL CONTRACTOR SHALL CONFINES HIS OPERATIONS TO THE IMMEDIATE VICINITY OF THE WORK SITE AS DIRECTED BY THE OWNER/ARCHITECT AND SHALL ACCESS THE ROOF ONLY FROM THE OUTSIDE OF THE BUILDING AT AREAS DIRECTED.
4	GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF COMPLETED ROOF SECTIONS DURING ADJACENT ROOF OPERATIONS.
5	DURING CONSTRUCTION, GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVISION OF TEMPORARY ROOF PROTECTION AND COVERING AS NECESSARY.
6	GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO PROPERLY FLASH ALL PLUMBING VENTS, EQUIPMENT CURBS, MECHANICAL/ELECTRICAL CONNECTIONS, ETC.
7	Raise all plumbing vents a min. of 1/2" above top roof system. Raise all equipment curbs a min. of 8-1/2" above top of roof system using treated wood blocking.
8	GENERAL CONTRACTOR SHALL PROPERLY DISPOSE OF ALL DEBRIS OFF SITE DAILY, INCLUDING FROM ROOF.
9	MECHANICAL AND PLUMBING CONTRACTORS SHALL SUPPLY THEIR OWN CURBS UNLESS NOTED OTHERWISE.
10	ROOFING DETAILS SHOWN ARE FOR REFERENCE AND DESIGN INTENT ONLY. ROOFING CONTRACTOR SHALL UTILIZE APPROPRIATE MFR. DETAILS/ASSEMBLIES AS REQUIRED FOR THE ROOF SYSTEM WARRANTY. SUBMIT DETAILS TO ARCHITECT FOR APPROVAL.
11	LOCATIONS OF CRICKETS AND TAPERED RIGID INSULATION ARE SHOWN FOR DESIGN INTENT ONLY. THE ROOFING CONTRACTOR IS RESPONSIBLE FOR PROVIDING A DETAILED ROOFING PLAN TO PROVIDE REQUIRED DRAINAGE AND WATER-TIGHT ENVELOPE.
12	CONTRACTOR SHALL ENSURE THAT ALL ROOF DRAINS, GUTTERS, DOWNSPOUTS, AND ROOF LEADERS WITHIN BLDG. ARE FREE AND CLEAR OF DEBRIS, DAMAGE AND ARE FULLY-FUNCTIONING.
13	CONTRACTOR SHALL BE RESPONSIBLE FOR ASSURING THAT NO NEW WORK AFFECTS CURRENT MFR. WARRANTIES ON ANY EXISTING MECHANICAL UNITS OR OTHER ROOFTOP EQUIPMENT.
14	ROOF SLOPES TO BE 1/4" PER FOOT MINIMUM, INCLUDING VALLEYS.
15	SEE MECHANICAL/PLUMBING DRAWINGS FOR EXACT EQUIPMENT PLACEMENT. EQUIPMENT SHOWN IS FOR COORDINATION ONLY.
16	-

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ARCH. PROJECT # CLT 23-138

ROOF PLAN

SCALE: As indicated

SHEET # A5.0