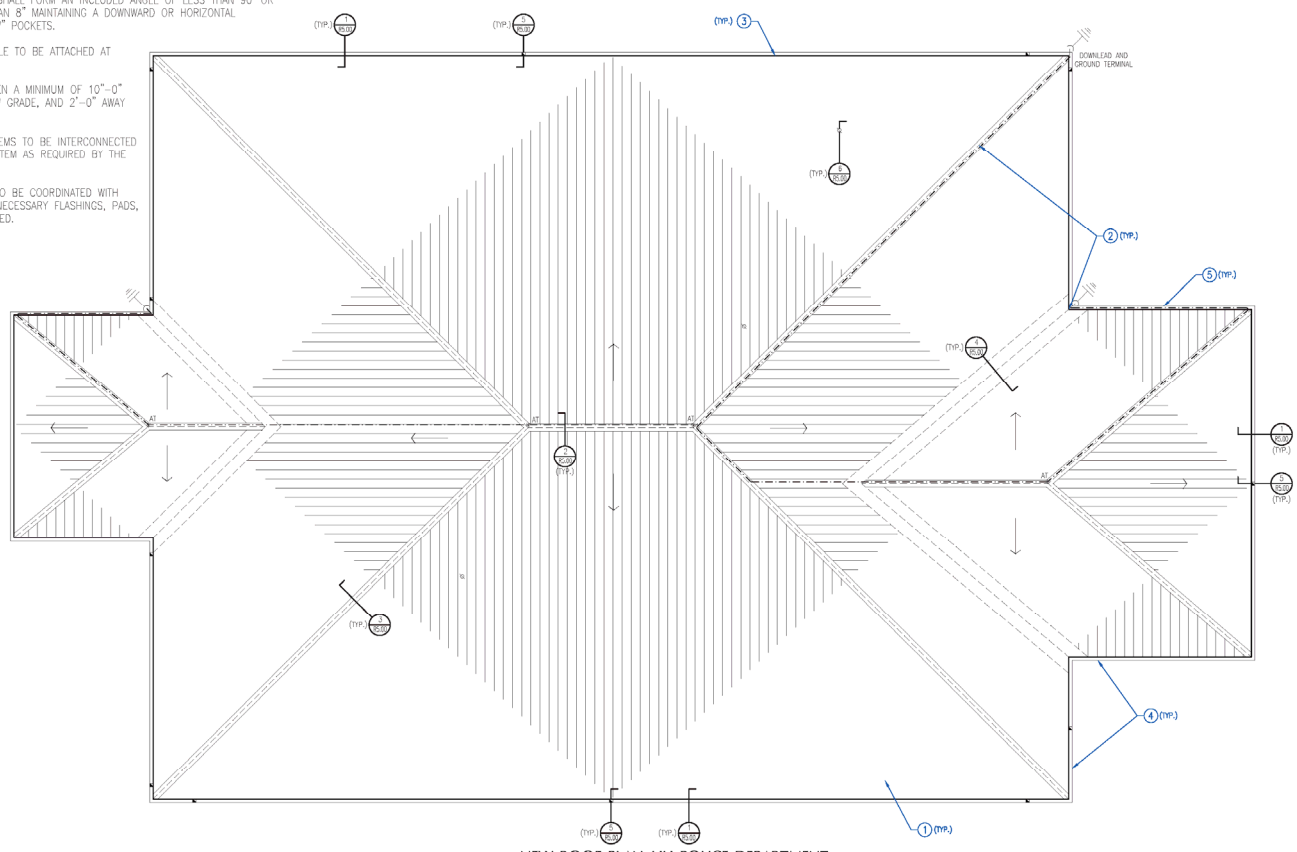
UNIVERSITY OF HOUSTON
DPS – UH POLICE DEPARTMENT
HOUSTON, TEXAS

GENERAL LIGHTNING PROTECTION INSTALLATION NOTES:

- INSTALLATION SHALL MEET THE CURRENT REQUIREMENTS OF UNDERWRITERS (UL) CODE 96A, NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CODE 780 AND THE LIGHTNING PROTECTION INSTITUTE (LPI) CODE 175 FOR LIGHTNING PROTECTION SYSTEMS.
- LAYOUT IS DEPICTED FOR INFORMATION PURPOSES. CONTRACTOR TO PROVIDE SHOP DRAWING DEPICTING LAYOUT AND RELATED DETAILS.
- ALL CABLES TERMINALS AND RELATED ACCESSORIES SHALL BE ALUMINUM AIR TERMINALS SHALL BE BLUNT TIP.
- ALL MATERIALS ARE TO BE UL APPROVED. SIMILAR METALS MUST BE USED.
- JOB CONDITIONS MAY DICTATE SLIGHT VARIATIONS IN AIR TERMINAL AND GROUND ROD LOCATIONS.
- AIR TERMINALS MUST EXTEND A MINIMUM OF 10" ABOVE THE OBJECT TO BE PROTECTED. AIR TERMINALS SHALL BE SPACED A MAXIMUM OF 20'-0" O.C. UNLESS THEY EXTEND 24" ABOVE OBJECT TO BE PROTECTED, THEN SPACING IS TO BE A MAXIMUM OF 25'-0" O.C.
- ADHERE CABLE HOLDERS AND BASES TO SHEET METAL CAPS WITH APPROVED SEALANT/ADHESIVE. ATTACH CABLE TO STANDING SEAMS WITH NON-PENETRATING CLAMP (S-5)
- NO MAIN CONDUCTOR CABLES SHALL FORM AN INCLUDED ANGLE OF LESS THAN 90° OR HAVE A RADIUS BEND LESS THAN 8" MAINTAINING A DOWNWARD OR HORIZONTAL COURSE FREE FROM "U" OR "V" POCKETS.
- ALL EXPOSED CONDUCTOR CABLE TO BE ATTACHED AT 3'-0" MAXIMUM O.C.
- GROUND RODS SHALL BE DRIVEN A MINIMUM OF 10"-0" INTO THE EARTH, 1'-6" BELOW GRADE, AND 2'-0" AWAY FROM THE STRUCTURE.
- OTHER BUILDING GROUND SYSTEMS TO BE INTERCONNECTED TO LIGHTNING PROTECTION SYSTEM AS REQUIRED BY THE CODES LISTED ABOVE.
- LIGHTNING PROTECTION WORK TO BE COORDINATED WITH ROOFING WORK TO PROVIDE NECESSARY FLASHINGS, PADS, AND OTHER ITEMS AS REQUIRED.

SCOPE OF WORK:

1. INSTALL NEW ISO INSULATION, COVER BOARD, HIGH-TEMP UNDERLAYMENT, AND SSMR SYSTEM.
2. INSTALL NEW FLASHINGS AT VALLEYS, HIPS, AND RIDGES.
3. INSTALL NEW FASCIA AND SOFFIT PANELS.
4. INSTALL NEW GUTTERS AND DOWNSPOUTS.
5. INSTALL NEW LIGHTNING PROTECTION SYSTEM.



1 NEW ROOF PLAN: UH POLICE DEPARTMENT
SCALE: 1/8"=1'-0" (24"x36")

NORTH

LEGEND

OVERFLOW DRAIN	WALL DRAIN
ROOF DRAIN	SUMPED DRAIN
PLUMBING VENT	HEAT EXHAUST
POWER VENT	CURBED HEAT EXHAUST
CURBED VENT STACK	GRAVITY VENT
TURBINE VENT	GRAVITY VENT
CURBED TURBINE VENT	MOISTURE RELIEF VENT
POINT PENETRATION	GOOSENECK PENETRATION
ABANDONED PENETRATION	PIPE BOX
PIPING ON HANGERS	EXPANSION JOINT
PIPING ON WOOD BLOCKING	ROOF TO WALL EXPANSION JOINT
PIPING ON SUPPORTS	METAL EDGE
PARAPET	DOWNSPOUT AND GUTTER
CONDENSATION DRAIN LINE	MECHANICAL SCREEN
ELECTRICAL CONDUIT	CHILL / HOT WATER
GAS LINE	AIR TERMINAL
PITCH PAN	THROUGH-ROOF CONNECTION
DUCT PENETRATION	CURBED DUCT PENETRATION
EQUIPMENT CURB	DUCT WITH DUCT SUPPORT
VENT / UNIVAL	THROUGH-WALL SCUPPER
SCUPPER WITH COLLECTOR HEAD	THROUGH-EDGE SCUPPER
EQUIPMENT ON SUPPORTS	EQUIPMENT ON SLEEPERS
EQUIPMENT ON PITCH PANS	EQUIPMENT ON CURBS
SMOKE HATCH	ROOF HATCH
SATELLITE DISH	SKYLIGHT
ROOF-MOUNTED LADDER	STRUCTURAL SKYLIGHT
CAGED LADDER	STRUCTURAL SKYLIGHT
WALL-MOUNTED LADDER	CHIMNEY
WALKPAD	ROUND GOOSENECK
SPLASHBLOCK	SQUARE GOOSENECK
WALL THICKNESS INDICATOR	RISE-WALL
WALL HEIGHT INDICATOR	DIRECTION OF SLOPE
DOOR ACCESS	RIDGE / VALLEY
LIGHT	GUY WIRE ANCHOR
SHINGLE ROOF	TILE ROOF
ANTENNA	METAL ROOF
AREA IDENTIFICATION	COLUMN
CORE LOCATION	CARPETED WET AREA
LEAK LOCATION	PHOTO LOCATION
INFRARED I.D.	PROBE LOCATION

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TX. P.E. FIRM NO.: F-3814

CONSULTANTS

STATE OF TEXAS — KARL A. SCHMICK — 83 — F-3814 12/7/20

SEAL (S):

UNIVERSITY OF HOUSTON SYSTEM

UNIVERSITY of HOUSTON — YOU ARE THE PRIDE

PROJECT INFORMATION:
DPS - UH POLICE DEPT.
ROOF REPLACEMENT: BUILDING 519

UH PROJECT No. P790723
CAMPUS NAME: UH SYSTEMS
PARCEL NUMBER:
BLDG. NUMBER: 519
BLDG. ABBREV.:
BUILDING NAME: DPS/POLICE

ADDRESS: 4051 WHEELER AVE
CITY/ZIP: HOUSTON, TX 77204
FLOOR NUMBER: N/A

3	12/07/20	IFB
2	08/28/20	100% CD
1	07/06/20	DESIGN DEVELOPMENT

ISSUED:
DATE: 12/7/20
DWG FILE: R5.00.DWG
DRAWN BY: ESG
CHECKED BY: KAS
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SHEET TITLE: NEW ROOF PLAN

R2.01

SHEET NO. 4 OF 7

PLOTTED ON: Wednesday, December 9 2020 3:14:21 PM GREER01 FILE NAME: G:\11748.20\R2.00-R2.01.dwg
PLOT BY Greer01
PLOT DEVICE
FOR REDUCED PLANS original scale in inches