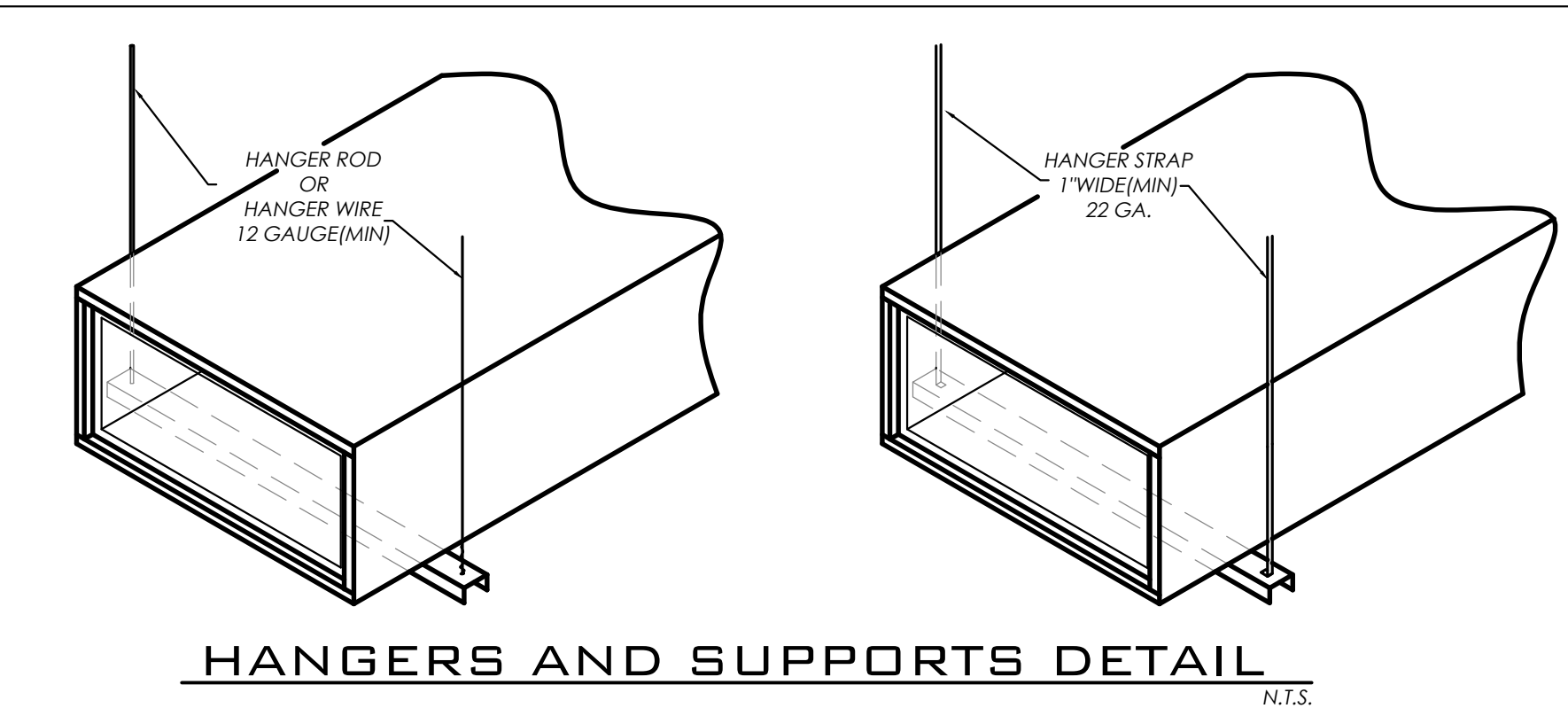
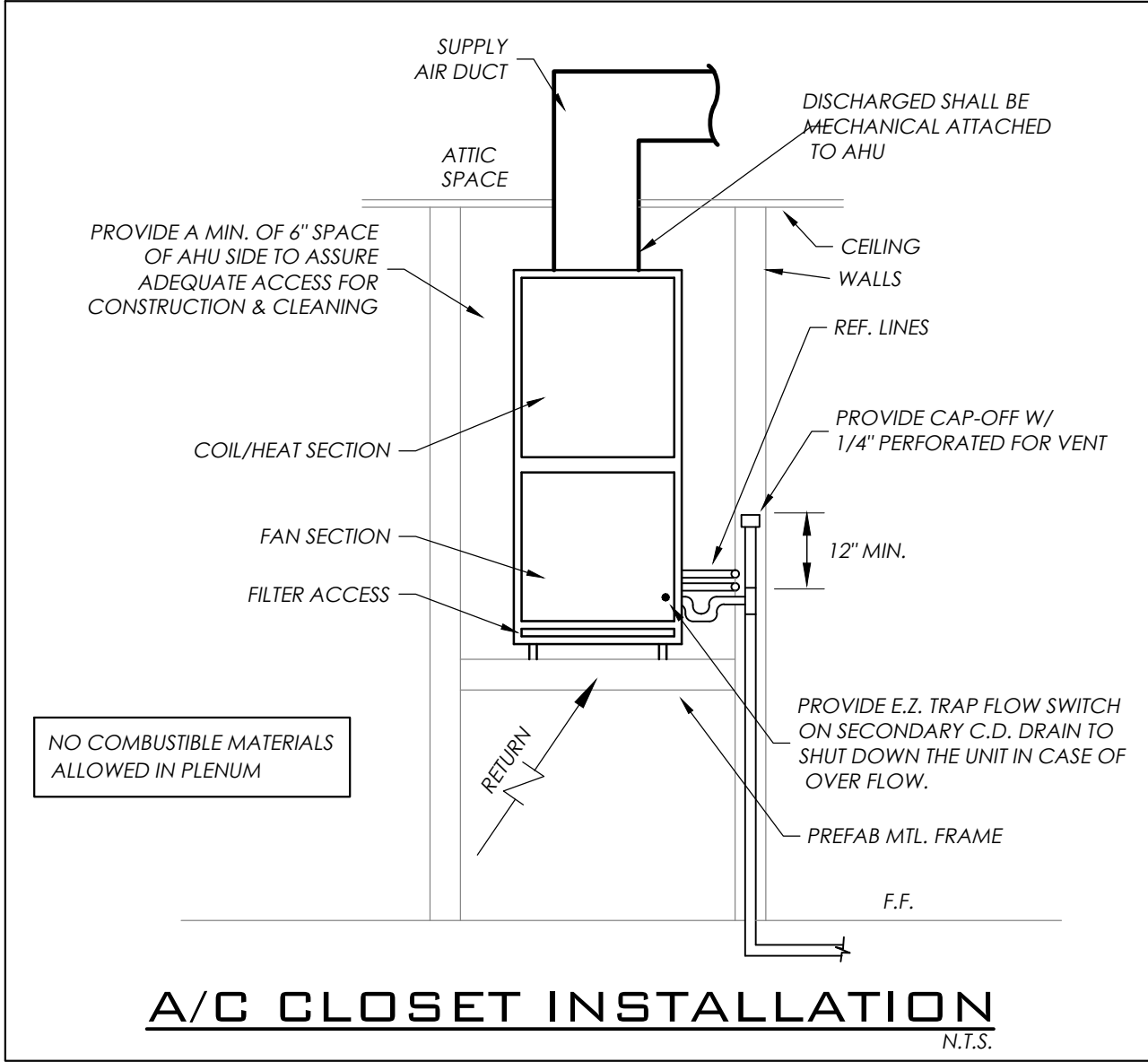
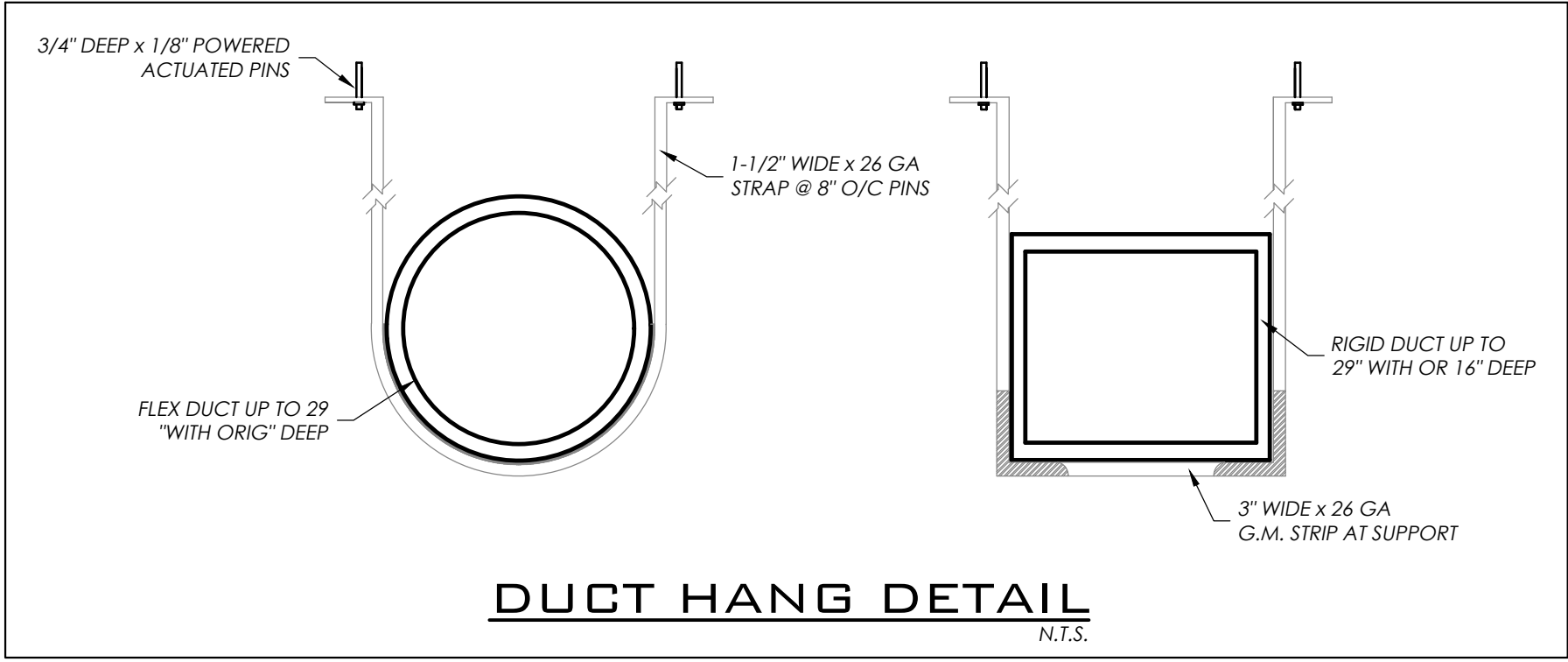
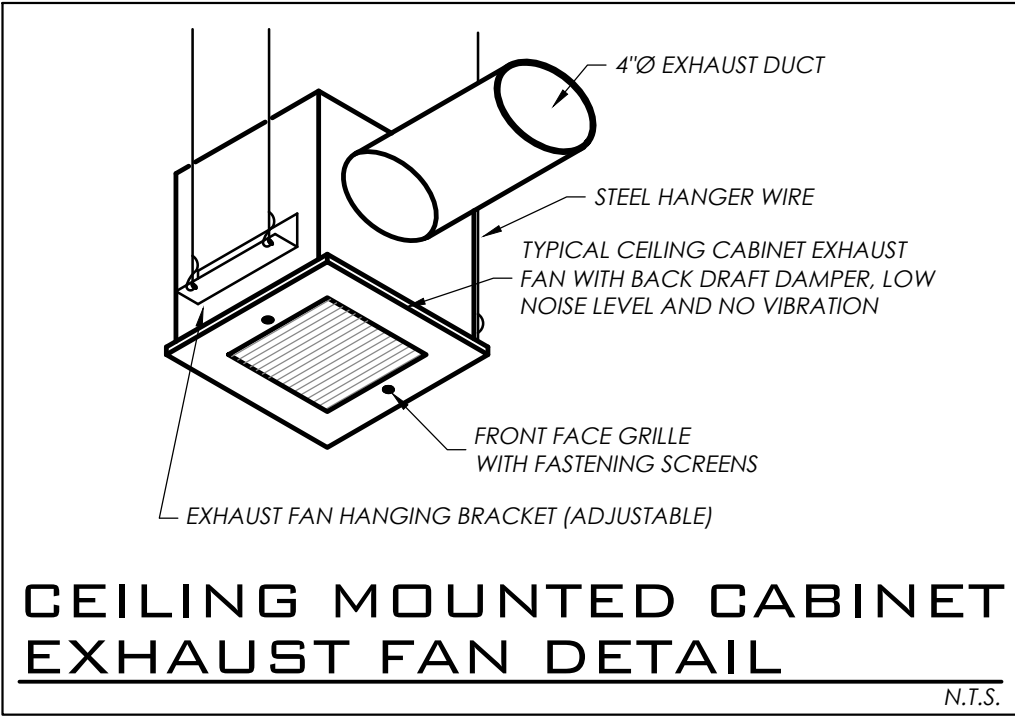


GENERAL HVAC NOTES

- THE CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL AND EQUIPMENT FOR A COMPLETE HVAC SYSTEM IN ACCORDANCE WITH THESE DRAWINGS. THE FLORIDA BUILDING CODE 2020 7TH EDITION AND THE LATEST EDITION OF THE FOLLOWING PUBLICATIONS: (A) ANS B9.1 MECHANICAL REFRIGERATION (B) NFPA PAMPHLETS 90A & 91 (C) SMACNA (D) ASHRAE.
- ALL AIR CONDITIONING DUCTWORK SHALL BE IF (R) DENOTE ROMA DUCT 7/8"THICK WITH R-6 PRINTED ON IT OR STANDARD (NONE LABELED) 1-1/2" STANDARD DUTY FOIL REINFORCED FIBERGLASS (R-6) MANUFACTURED LOGO PRINTED ON THE VAPOR BARRIER WHEN IN UNCONDITIONED SPACE, AND 3/4" STANDARD DUTY FOIL REINFORCED FIBERGLASS (R-4) MANUFACTURED LOGO PRINTED ON THE VAPOR BARRIER IN CONDITIONED SPACE OR RETURN PLENUM SPACE.
- ALL EXHAUST DUCTWORK SHALL BE CODE GAGE GALVANIZED SHEET METAL.
- DUCT SIZE SHOWN ARE NET FREE AREA INSIDE IN INCHES.
- ALL AIR DEVICES (DIFFUSERS, REGISTERS AND GRILLES) SHALL BE ALL ALUMINUM CONSTRUCTION, WITH EXPOSED SURFACE CHEMICALLY TREATED TO RECEIVE PAINT TO MATCH COLOR OR AIR GUIDE OR APPROVED EQUAL.
- PROVIDE SINGLE BLADE DAMPERS AT ALL DIFFUSERS AND REGISTERS.
- THERMOSTATS SHALL BE COMBINATION COOLING / HEATING WITH SYSTEM COOL / AUTO / HEAT / OFF AND FAN ON / AUTO SELECTOR SWITCHES.
- REFRIGERANT PIPING SHALL BE COPPER TYPE "L" WITH 1/2" ARMAFLEX R-4 MINIMUM. INSULATION SHALL BE PROVIDED FOR SUCTION LINES.
- PROVIDE NEW FILTERS FOR FAN COIL BEFORE STARTING. THESE FILTERS MUST ALSO BE REPLACED PRIOR TO FINAL ACCEPTANCE BY OWNER.
- GENERAL CONTRACTOR IS TO HIRE AN INDEPENDENT TEST AND BALANCE COMPANY WHICH SHALL PROVIDE 3 SET OF THE REPORT SIGN AND SEALED BY THE PROFESSIONAL ENGINEER FROM THE COMPANY PRIOR OF ACCEPTANCE OF WORK, WHEN MORE THAN 2000CFM PER EQUIPMENT. (NO EXCEPTIONS)
- MECHANICAL CONTRACTOR ITS TO PROVIDE TURNING VANE AT ALL CHANGE OF DIRECTIONS, OPPOSITE BLADE DAMPERS AT SUPPLY GRILLES, OR TO PROVIDE TURNING RADIO. ALL OUTLETS SHALL HAVE EXTRACTORS OR SCUPPERS. AND SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE REGULATIONS.



STANDARD 3" WIDE HANGERS

HANGER EXTENSION IS DEFINED AS THE SUM OF THE DISTANCES BETWEEN THE HANGING WIRES AND THE DUCT WALLS (BOTH SIDES)

TABLE 4-1 MAXIMUM HANGER SPACING BY DUCT SIZE, ID.

DUCT SIZE, INCHES	MAXIMUM HANGER SPACING
48" WIDE OR GREATER	4 FT
LESS THAN 48" WIDE AND LESS THAN 48" DEEP	6 FT
WIDTH BETWEEN 28" & 48" AND GREATER THAN 16" DEEP	6 FT
LESS THAN 28" WIDE AND 16" DEPTH OR LESS	8 FT

TABLE 4-2 CHANNEL SELECTION

IF TOTAL EXTENSION IS NOT GREAT THAN:	MAXIMUM CHANNEL GAUGE	MINIMUM CHANNEL PROFILE
6"	24	3" X 1.5"
18"	22	3" X 2"
30"	18	3" X 2"

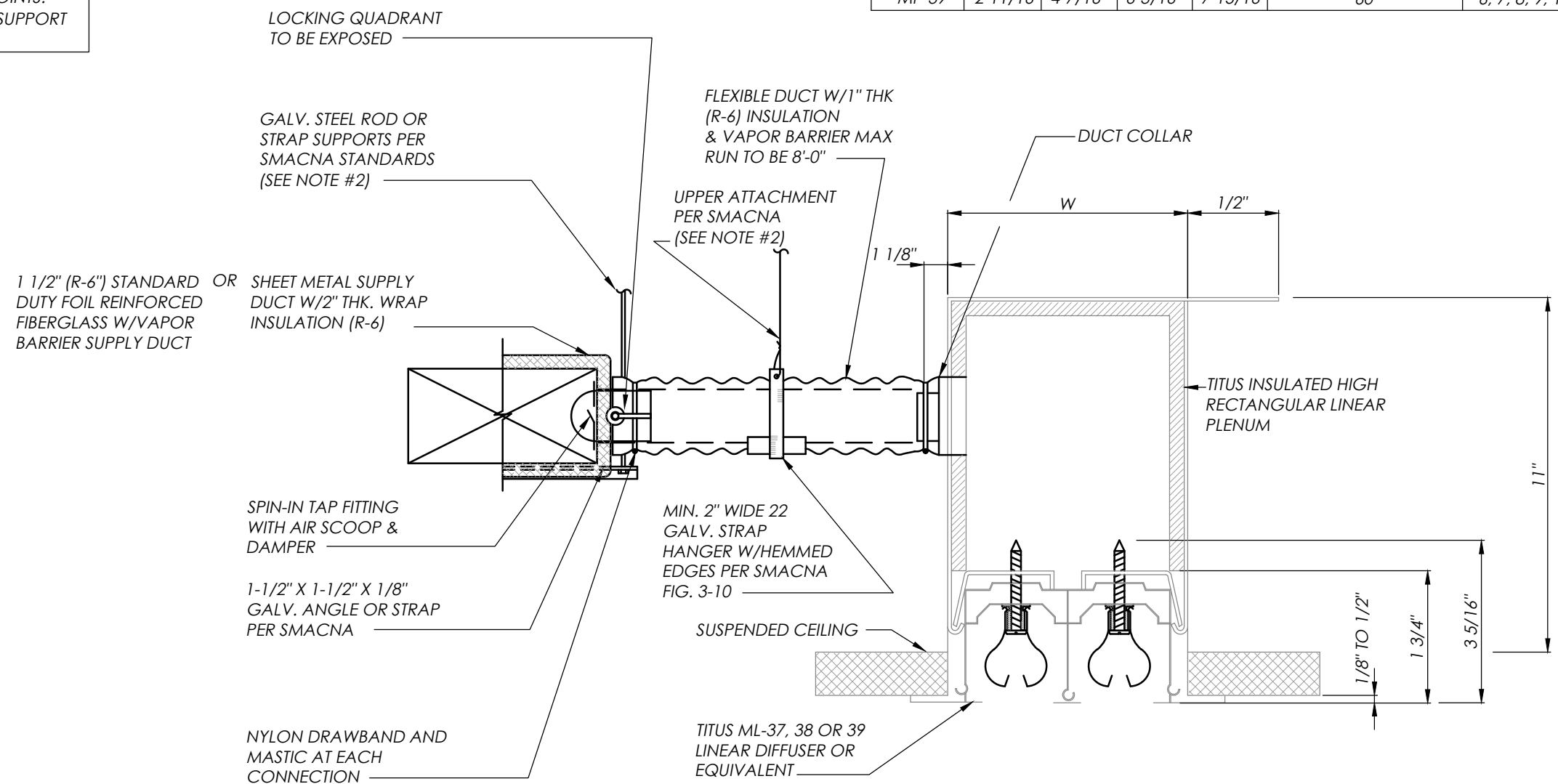
USE OF 2" WIDE HANGERS

22 GAUGE, 2" X 1.5" HANGERS MAY BE SUBSTITUTED FOR 3" HANGERS FOR DUCTS WITH WIDTHS NOT OVER 48" AND DEPTHS NOT OVER 24" PROVIDED THAT ONE JOINT OCCURS BETWEEN HANGERS AND THE MAXIMUM HANGER SPACING IS 4 FT. EXCEPTION: WHEN DUCT PERIMETER IS 80" OR LESS AND DOES NOT REQUIRE REINFORCEMENT TWO PERMITTED BETWEEN HANGERS.

IN	1.5	2	3	6	16	18	24	28	30	48	80
MM	38	51	76	152	414	460	610	711	762	1220	2032

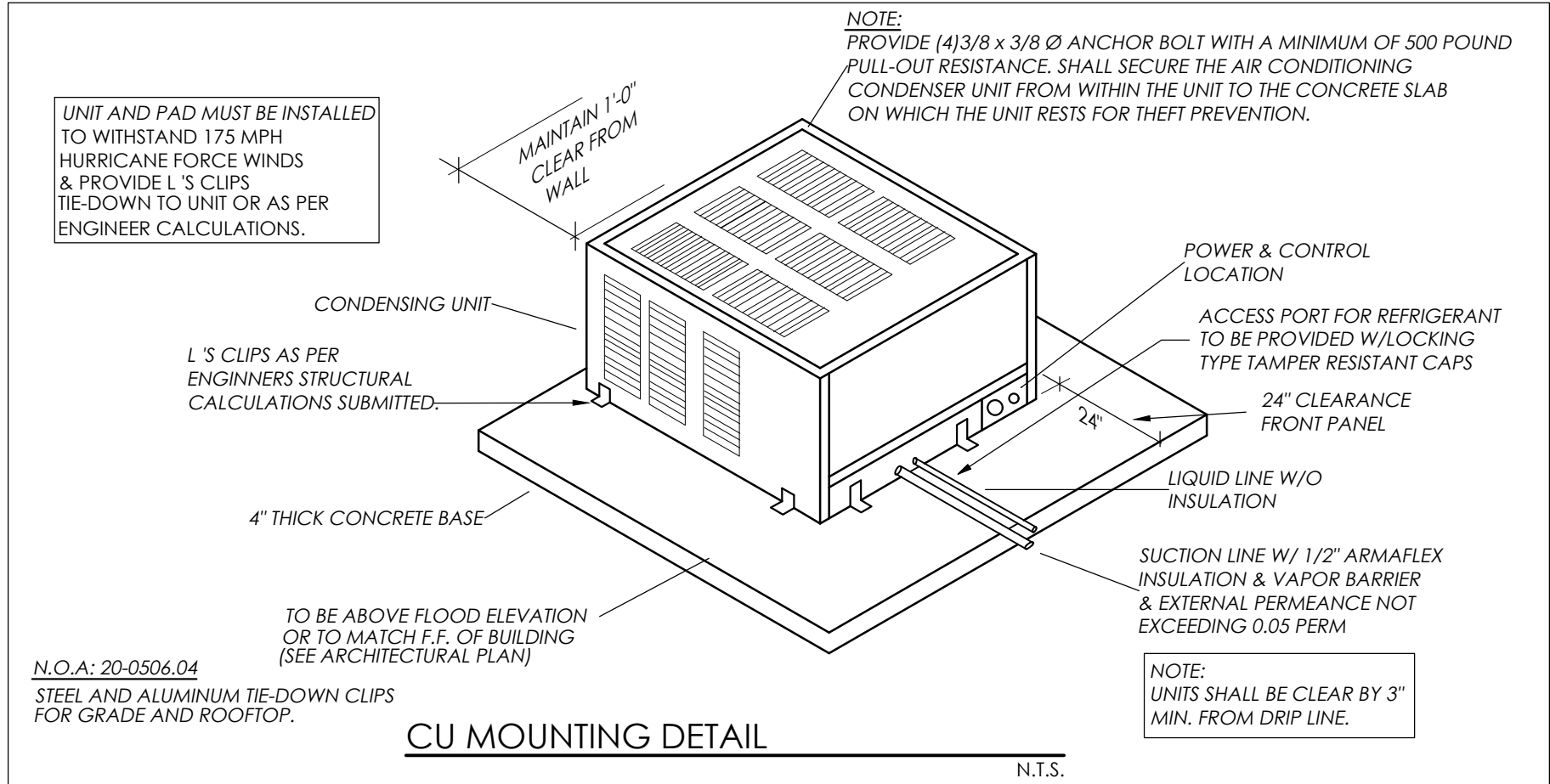
FT	4	6	8	18 GA	22 GA	24 GA
M	38	51	76	152	.7534	.6010

NOTE:
1-FLEXIBLE DUE SHALL BE ONE PIECE & SHALL BE SPICED TOGETHER.
2-MAX. SAG 1/2" PER FOOT BETWEEN SUPPORT POINTS, AND 5'-0" MAX. OF SUPPORT SPACING.



TYPICAL LINEAR DIFFUSER W/FLEXIBLE DUCT CONNECTION

N.T.S.



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SEAL:

MECHANICAL NOTES & DETAILS

DATE : 03/23/2023
SCALE : AS SHOWN
DRAWN :
CHECK BY:
JOB NO. : 23_0012

M-3

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