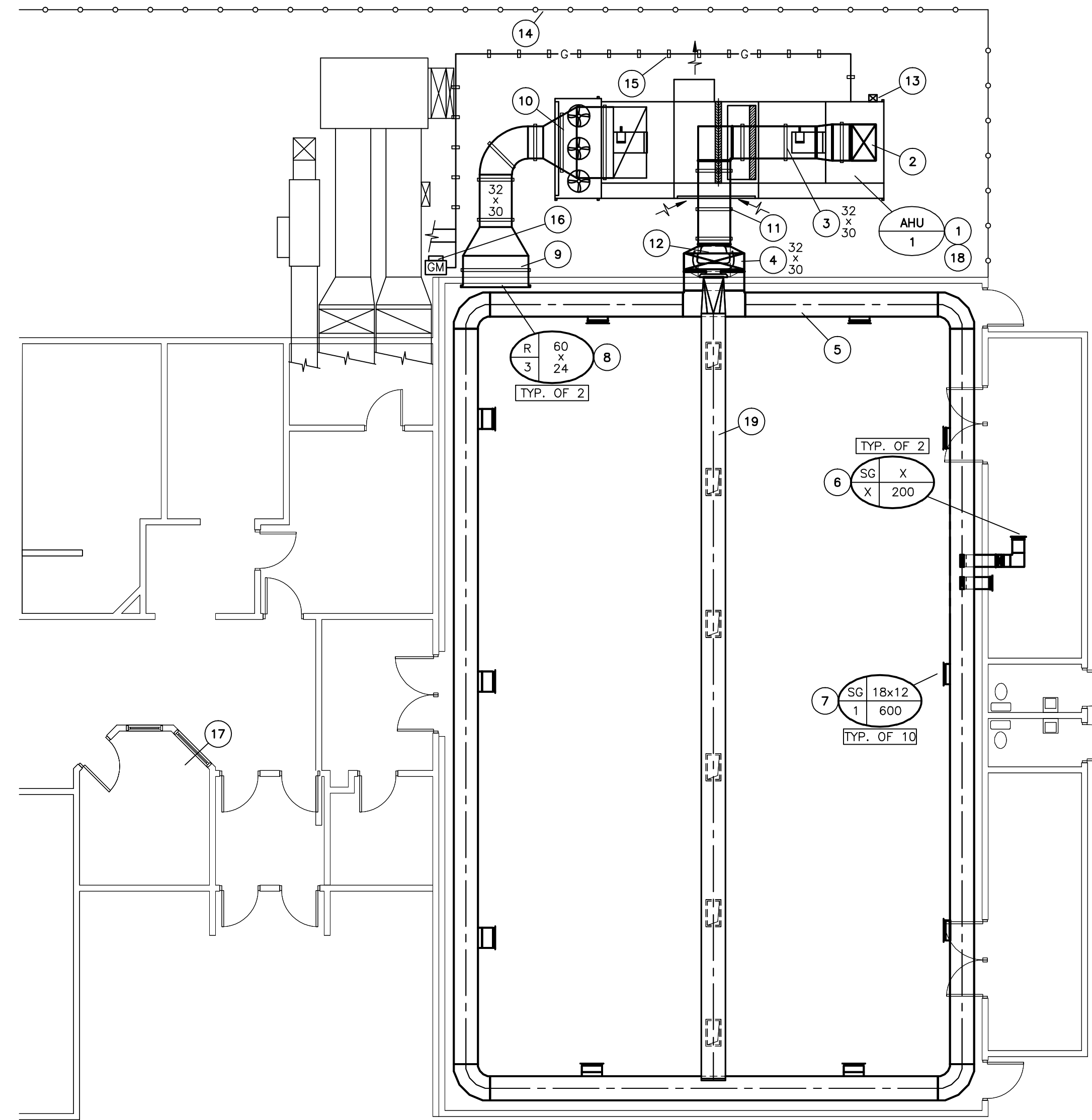


MAIN FLOOR PART PLAN - EXISTING/DEMOLITION

SCALE: 1/8" = 1'-0"

SUPPLEMENTARY NOTES

1. Gym AHU to be removed.
2. Community Centre AHU to remain as is.
3. Community Centre MUA to remain as is.
4. Gym AHU burner and cooling coil to be removed.
5. Gas meter. Maintain gas piping to Community Centre AHU and MUA during construction. Remove all gas piping to Gym AHU. Provide new meter to suit new connected load c/w PRV arrangement.
6. Remove gym condensing unit and all associated refrigeration piping.
7. Remove supply and return ductwork outside.
8. Existing gym exhaust fan at high level to remain. See specification for control modification.
9. Remove return grille. Prepare wall opening for new grille size.
10. Typical. Remove all supply grilles in gym. Prepare duct opening for new grille size.
11. Existing exhaust ductwork at high level to remain as is.
12. Existing supply ductwork at high level to remain as is.
13. Grille and branch ductwork to remain as is.
14. Existing control panel serves existing Gym AHU and Community AHU and MUA.
15. Approximate location of existing security fence. Note part of section to be removed to remove existing Gym AHU and install new air handling unit.
16. Approximate outline of existing slab.

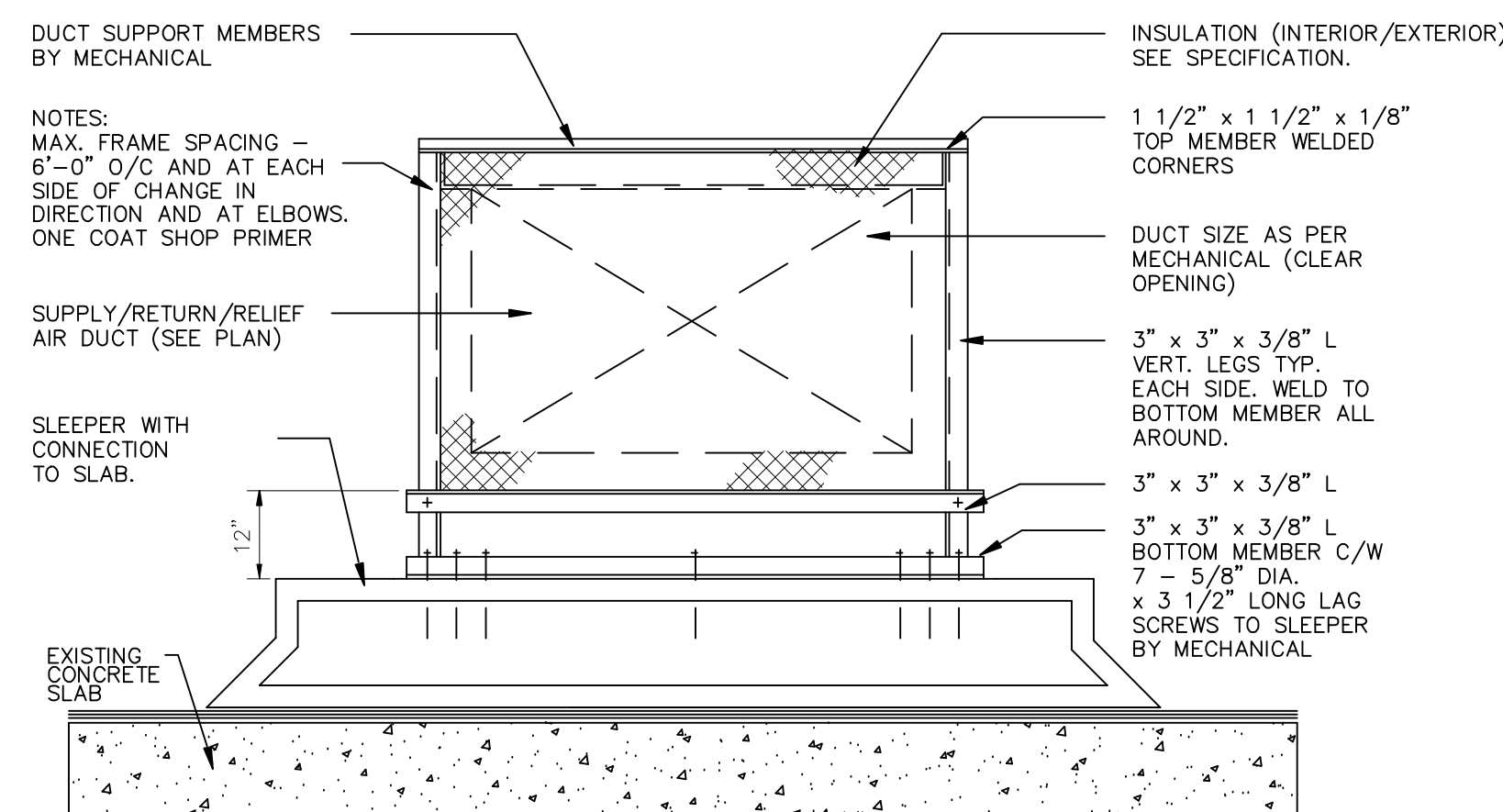


MAIN FLOOR PART PLAN - NEW WORK

SCALE: 1/8" = 1'-0"

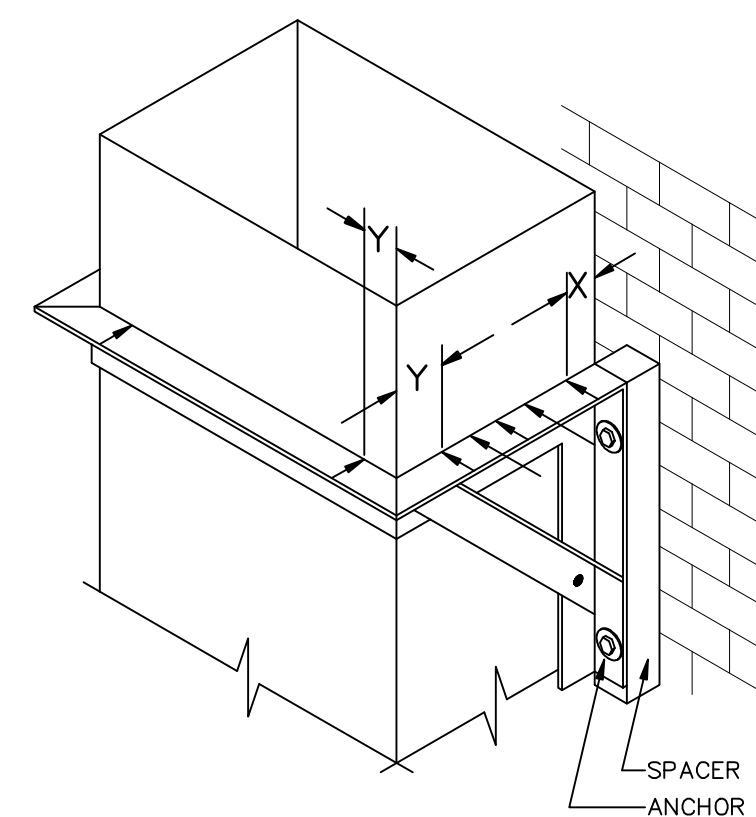
SUPPLEMENTARY NOTES

1. New Gym AHU to be placed on structural support. See Structural drawing DS-1.
2. AHU supply outlet c/w vertical transition radius elbow.
3. New supply ductwork passes over top of unit c/w duct support. Size as indicated.
4. New supply ductwork to transition up along wall to match existing.
5. Existing supply ductwork at high level to remain as is.
6. Existing supply air grilles and branch ductwork to remain as is.
7. Typical. New supply air grilles. Note place where existing has been removed. Paint duct to match existing.
8. New return air grilles. Submit drawing to Structural for opening modification. Match existing finishes to the exterior and interior.
9. New return ductwork outside building. Provide transition to suit both return grilles air in gym.
10. Return ductwork under AHU. Transition to suit AHU connection. Note all ductwork to be placed with horizontal duct support.
11. Typical duct support. Note height varies.
12. Provide base duct support.
13. Provide factory chimney extension c/w guy wire with adjustable turnbuckle.
14. Security fence shown repaired. Note to include fencing materials and poles.
15. Typical gas pipe support spaced to meet Code.
16. Note new gas meter.
17. New control panel to new Gym AHU. See Specification.
18. All exterior ductwork to be weatherproof.
19. Existing exhaust ductwork at high level to remain as is.



HORIZONTAL DUCT SUPPORT DETAIL

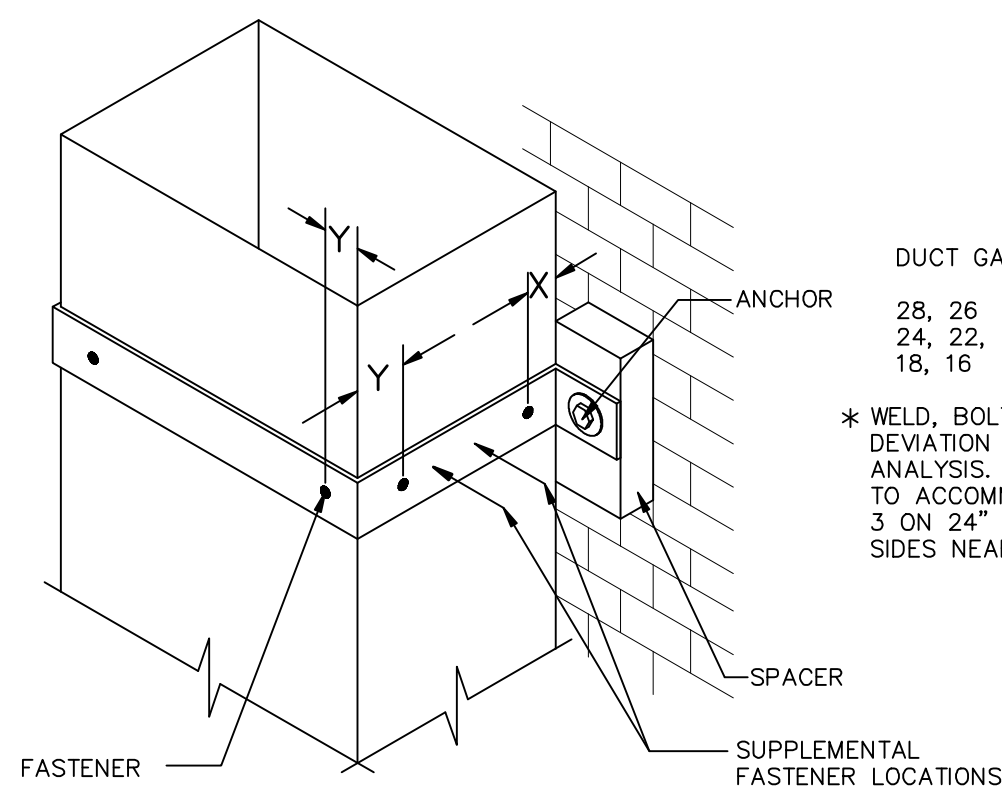
NOTE: SLEEPER TO COMPENSATE FOR SLOPE SO UNIT MAY BE PLACED LEVEL.



DUCT SUPPORTS FROM WALL

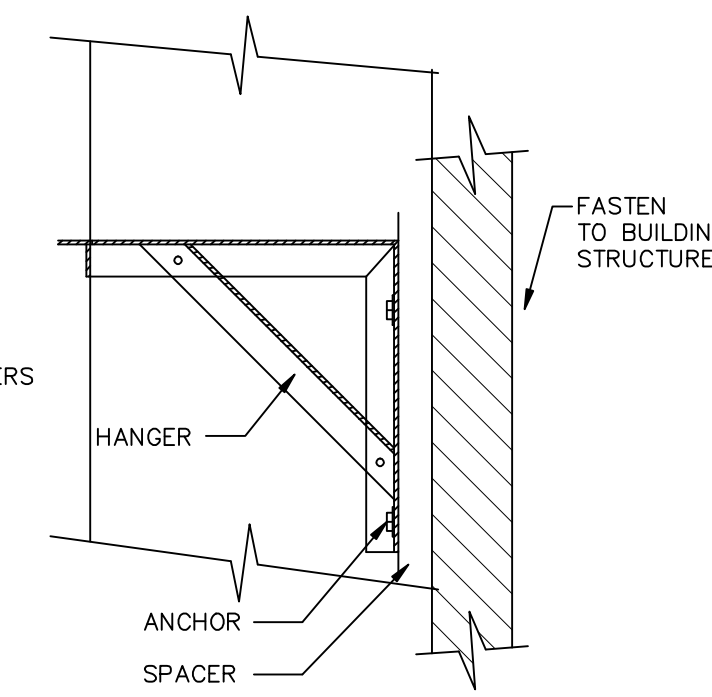
NOTE:

1. BRACKETS ARE SIZED FOR 12 FEET OF DUCT, MAXIMUM.
2. LOCATE DUCTS AGAINST WALL OR MAXIMUM OF 2" AWAY FROM WALL.
3. EACH WALL ANCHOR SHALL SATISFY THE FOLLOWING CRITERIA UNLESS OTHER ANALYSIS IS MADE.
 - A. TENSILE LOAD = 3/8 x DUCT WEIGHT; SAFETY FACTOR OF 4
 - B. SHEAR LOAD = 1/2 x DUCT WEIGHT; SAFETY FACTOR OF 4



DUCT GAUGE	ALLOWABLE LOAD PER FASTENER *
28, 26	25 lb.
24, 22, 20	35 lb.
18, 16	50 lb.

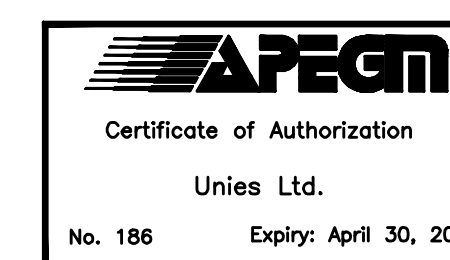
* WELD, BOLT OF NO. 8 SCREW (MIN.). DEVIATION PERMITTED BY OTHER ANALYSIS. X = 1", Y = 2"; ADD OTHERS TO ACCOMMODATE LOAD. MINIMUM OF 3 ON 24" WIDTH AND UP. ADD ALONG SIDES NEAREST ANCHORS.



unies Ltd. Consulting Engineers

NO.	REVISION/DESCRIPTION	BY	DATE
R 2	FDR TENDER	BP/RR	08/07/10
R 1	FINAL REVIEW	BP/RR	15/JUNE/10
R 0	REVIEW	BP/RR	21/JAN/09

SEALS



DRAWN BY: NNL, CHECKED BY: BP/RR, APPROVED BY: BP/RR, DATE: OCT. 8, 2010, USER APPROVAL



PROJECT: BID OPPORTUNITY 754-2010
NORTHWOOD C.C.
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Winnipeg, MB. R2X 0S7

SHEET TITLE: EXISTING DEMO & NEW WORK
MAIN FLOOR PART PLANS & DETAILS

SCALE	PROJECT NO	SHEET NO
AS NOTED	-	M1.0