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PROJECT

100% CHIROPRACTIC

REVISIONS DATES:


HVAC FLOOR PLAN

M-2

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ALL ROOF WORK SHALL BE PERFORMED BY LANDLORD ROOF CONTRACTOR AS TO MAINTAIN ROOF WARRANTY. MATCH EXISTING ROOF INSTALLATIONS.

CONTRACTOR TO FILED VERIFY THE EXACT LOCATION OF THE CHASE.

EXISTING CHASE

REFRIGERANT PIPES TO RUN THROUGH THE CHASE TO OUR SPACE.

ACCU-1(N)  
4.0 TR  
UNIT WEIGHT : 173 LBS

CONTRACTOR TO PROVIDE CURB TO MATCH THE EXISTING AS PER THE DIMENSION OF THE CONDENSER UNIT.

ACCU-2(N)  
4.0 TR  
UNIT WEIGHT : 173 LBS

CONTRACTOR TO PROVIDE EQUIPMENT RAILS AS PER THE DIMENSION OF THE CONDENSER UNIT.

CONTRACTOR TO COORDINATE WITH LL AND INSTALL THE OUTDOOR UNIT IN THE DESIGNATED SPACE FOR TENANT.

OAF-3

CH-2

7

3

3

6" CHS

6" Ø CHR

2 (TYP.)

8" Ø CHS

8" Ø CHR

1

100% CHIROPRACTIC SPACE

10.1

9.1

8.1

HVAC ROOF PLAN  
SCALE  
1/4" = 1'-0" 1

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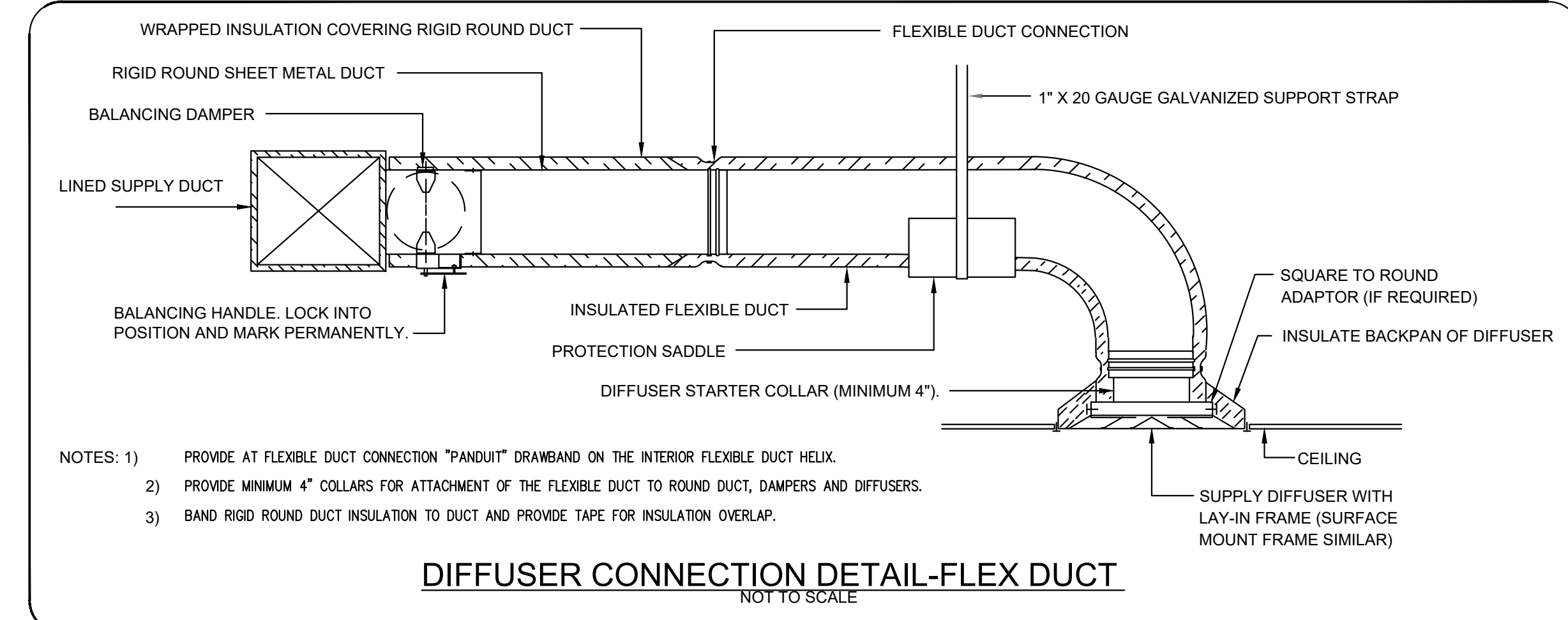
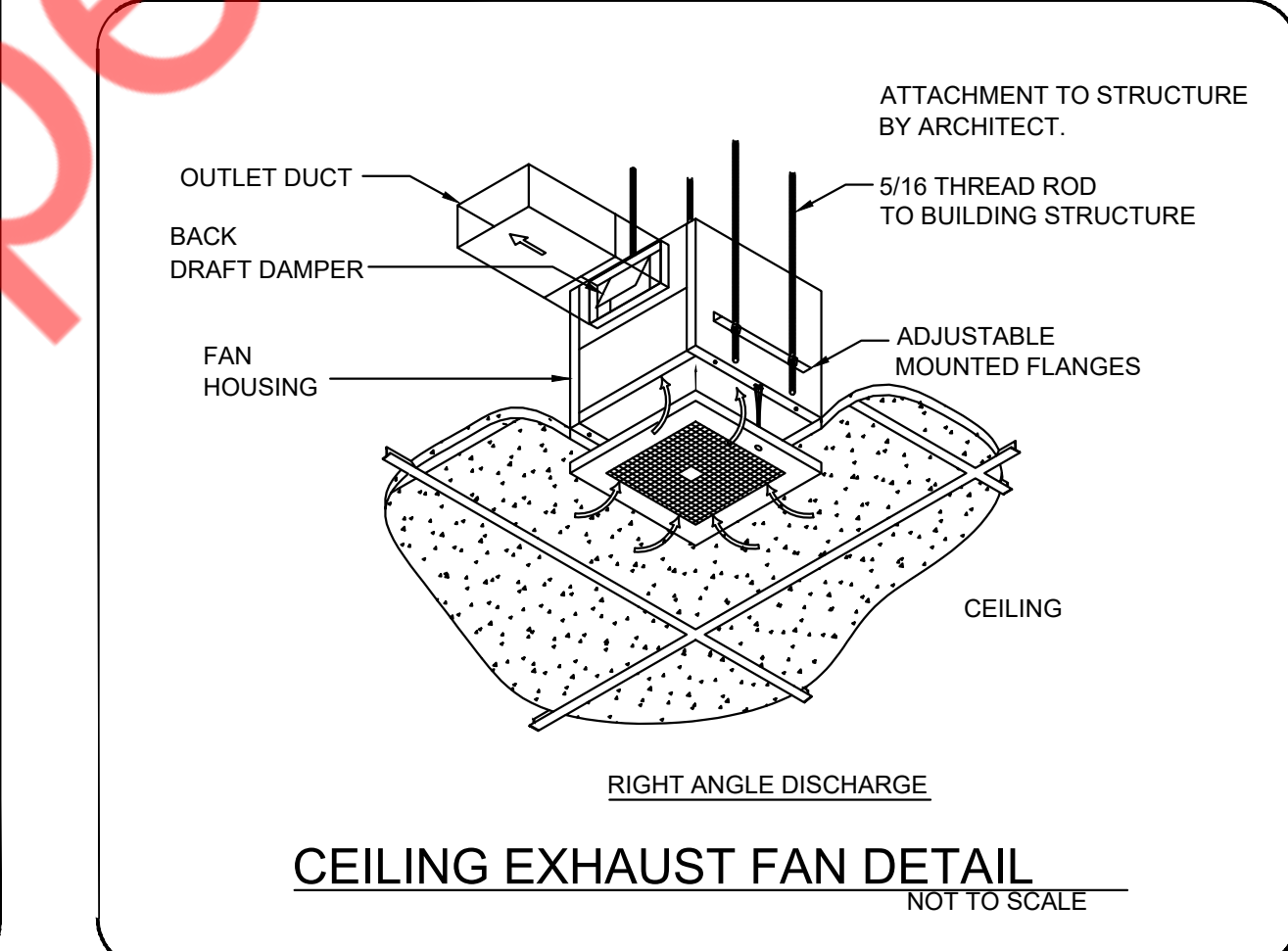
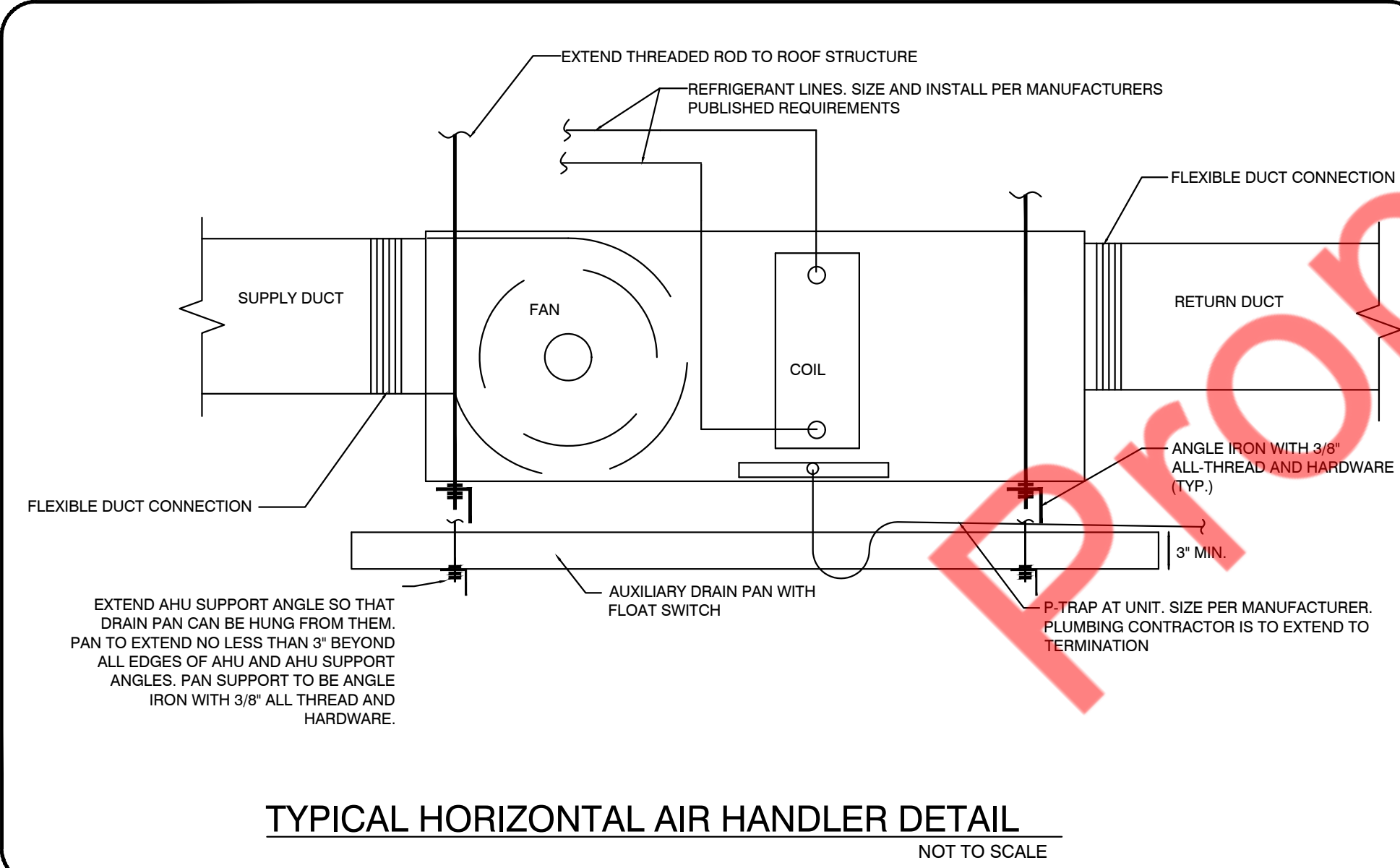
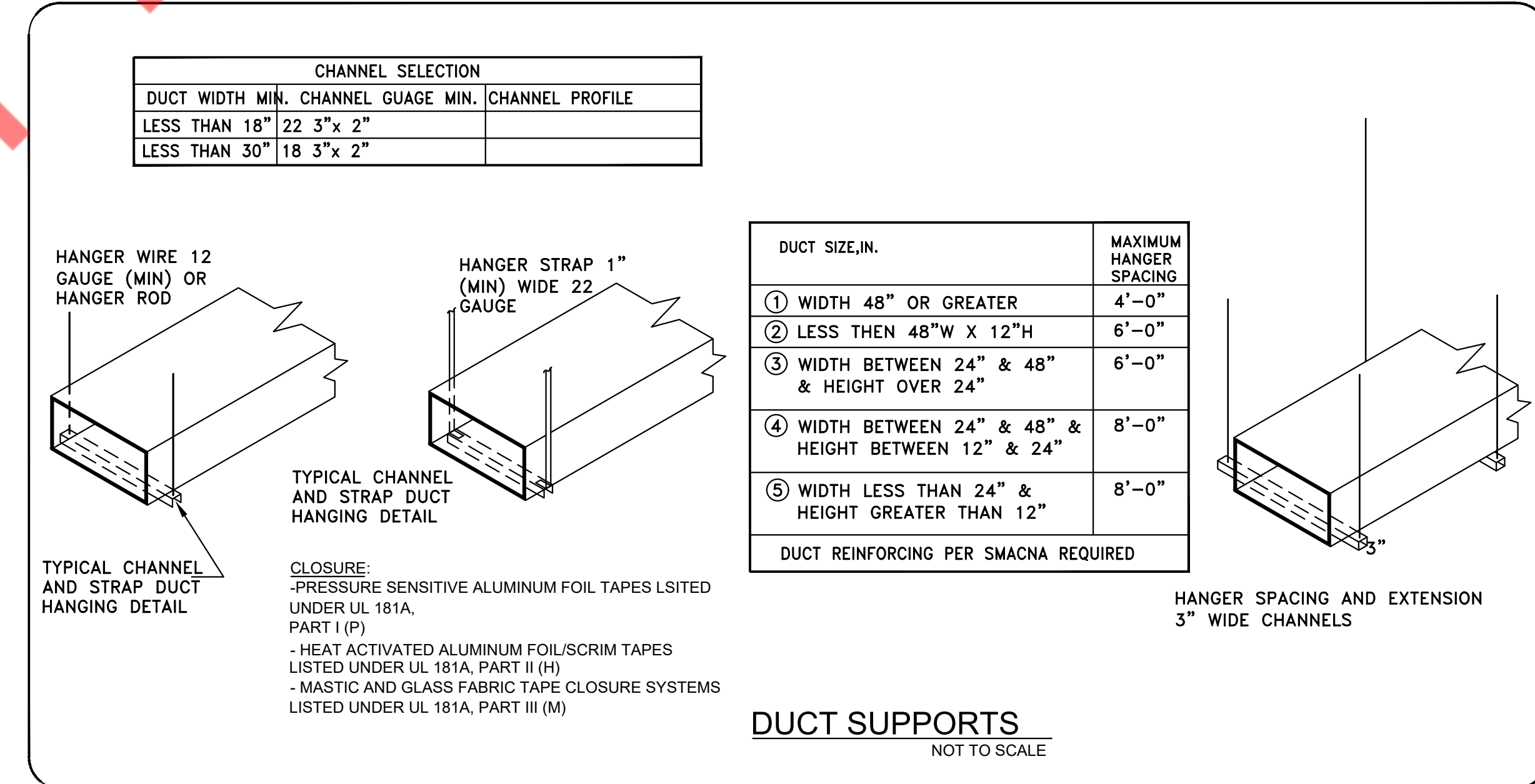
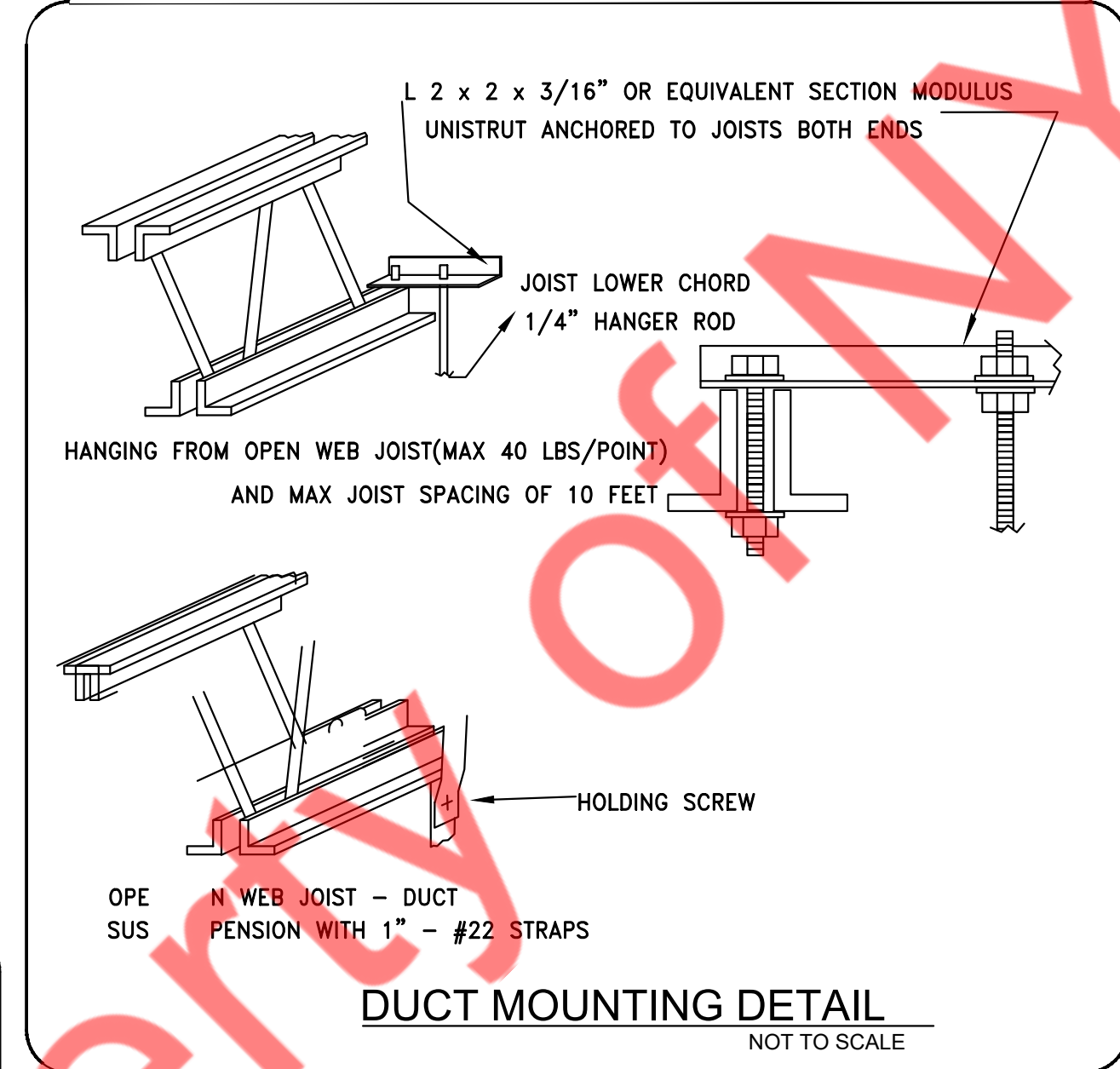
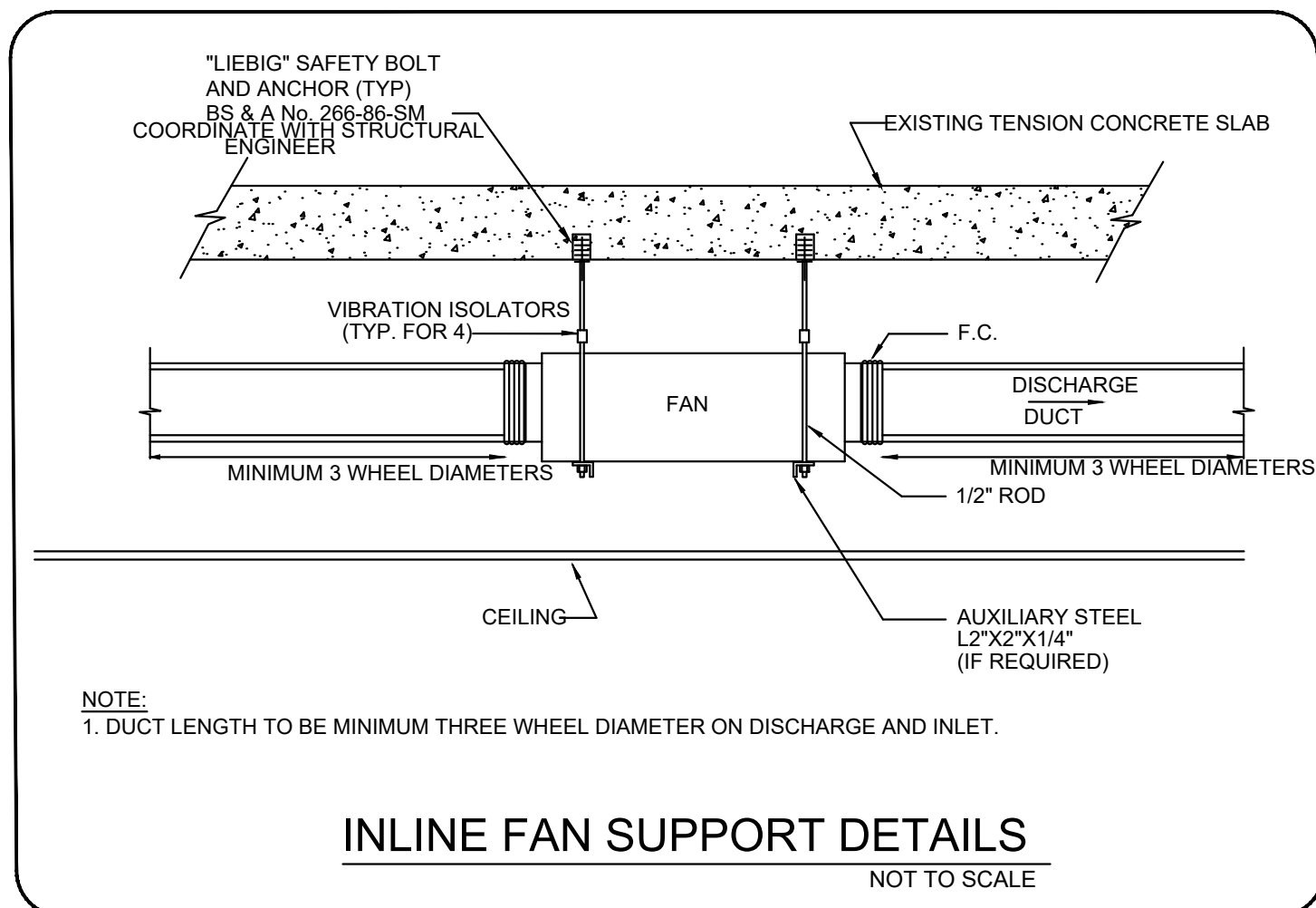
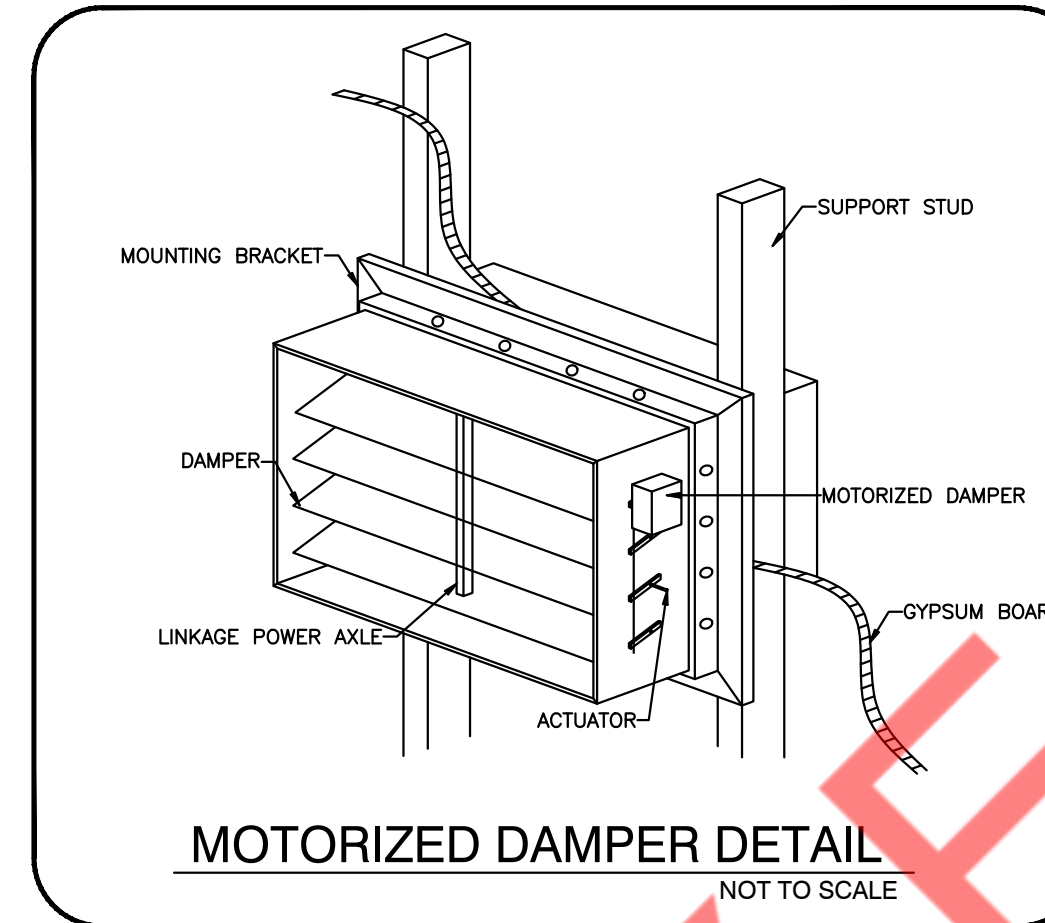
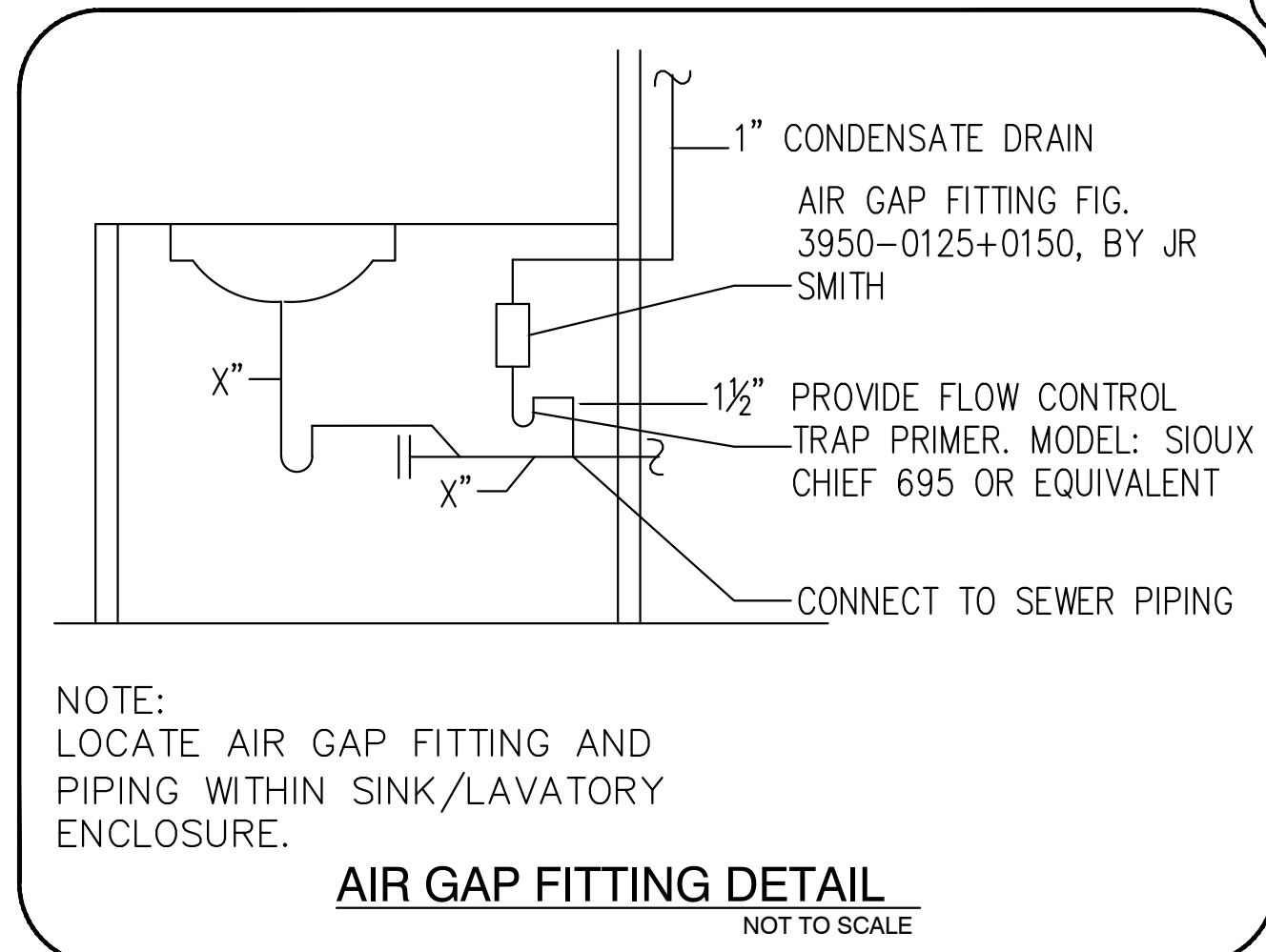
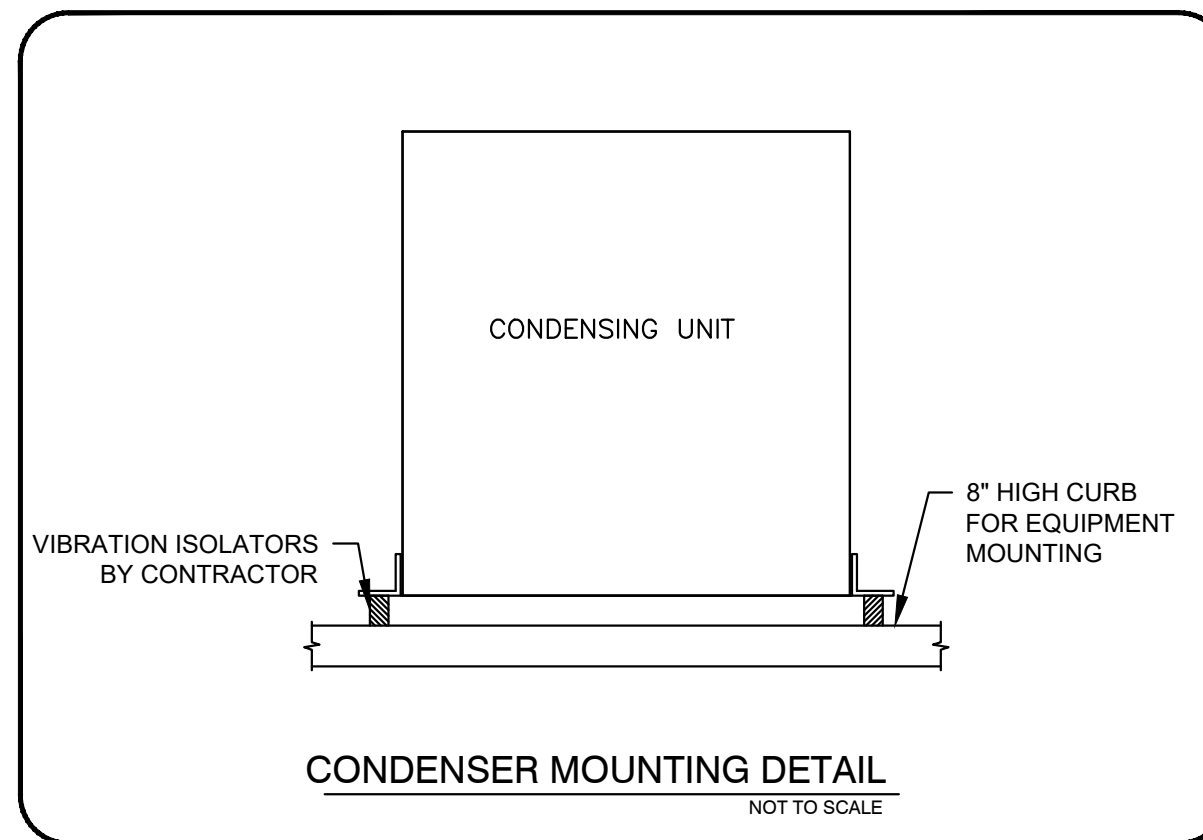
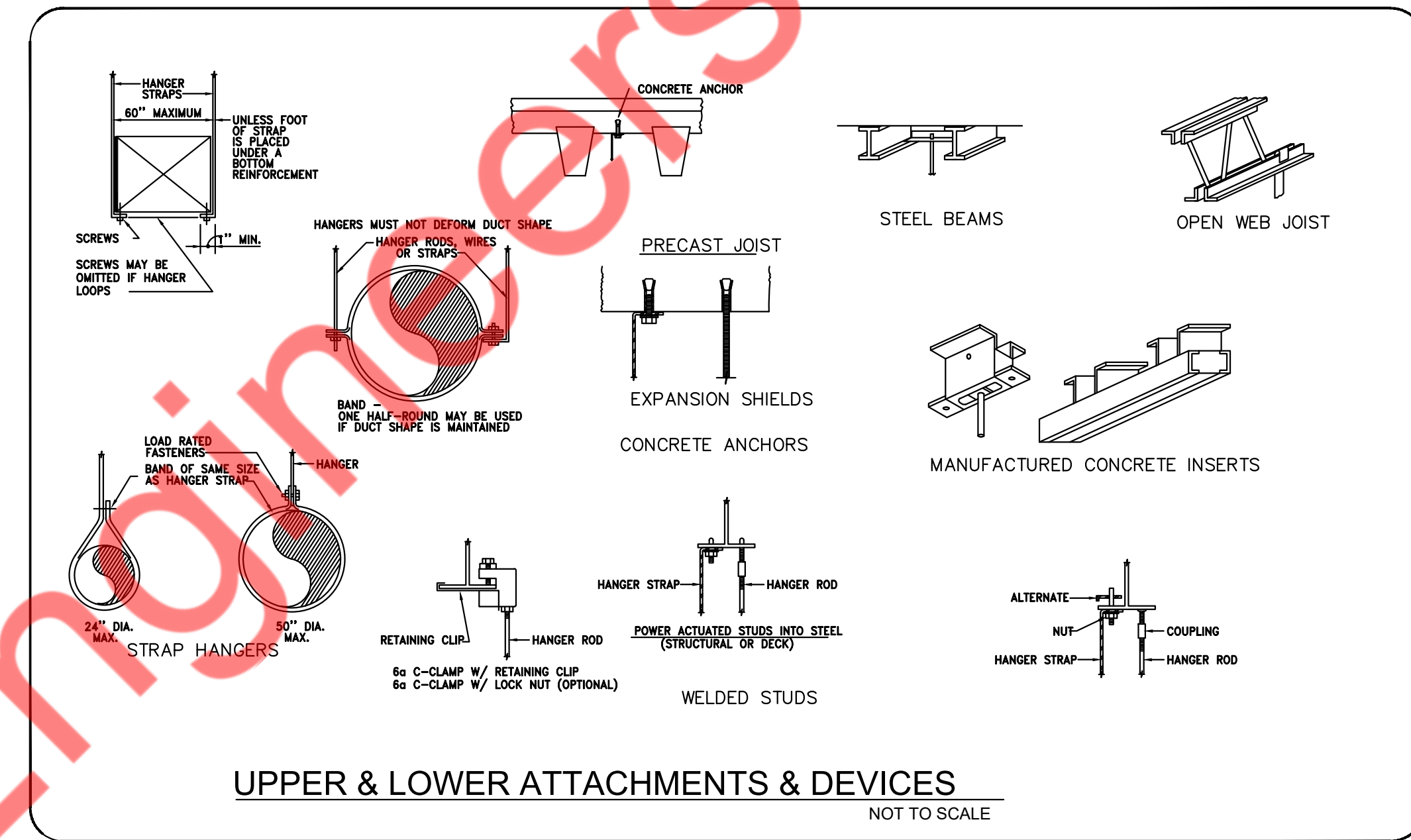
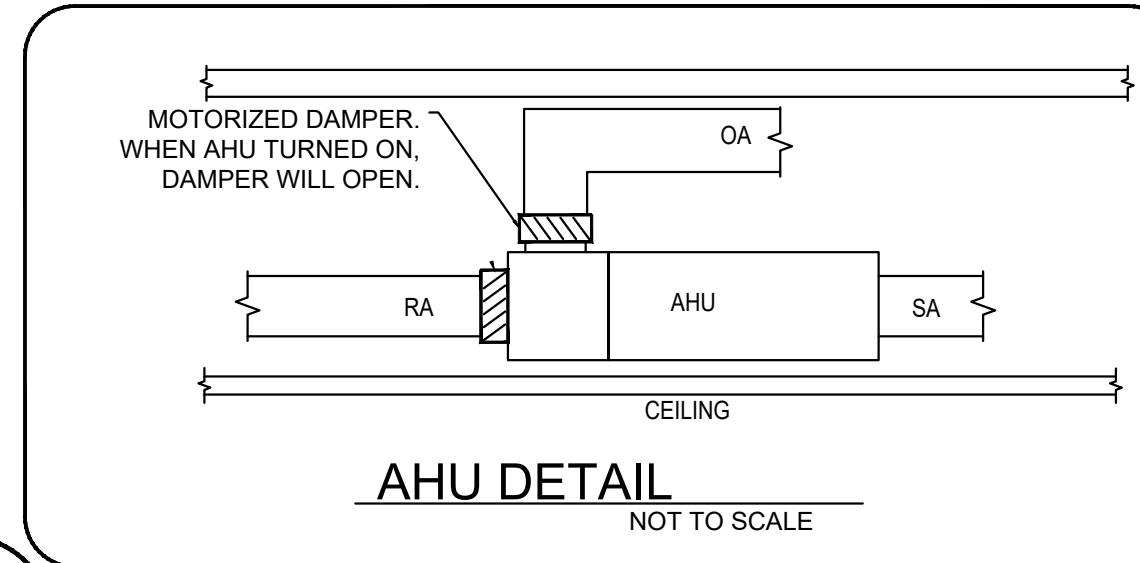
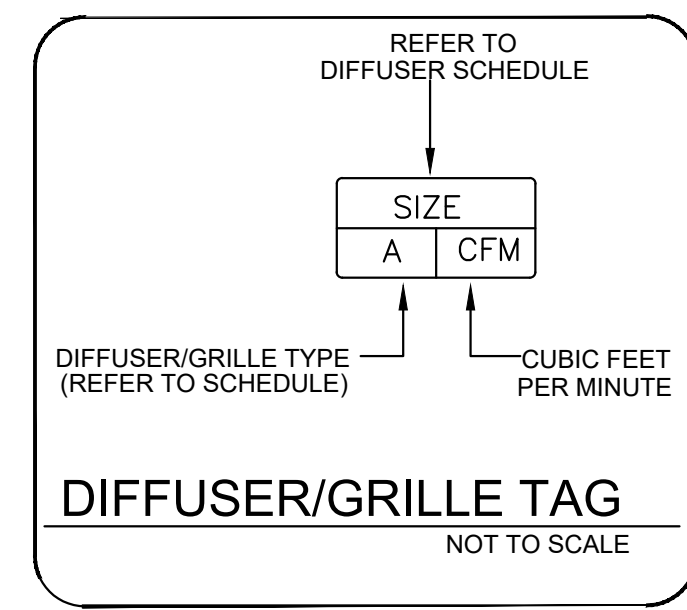
PROJECT

100% CHIROPRACTIC

REVISIONS DATES:


HVAC ROOF PLAN

M-3



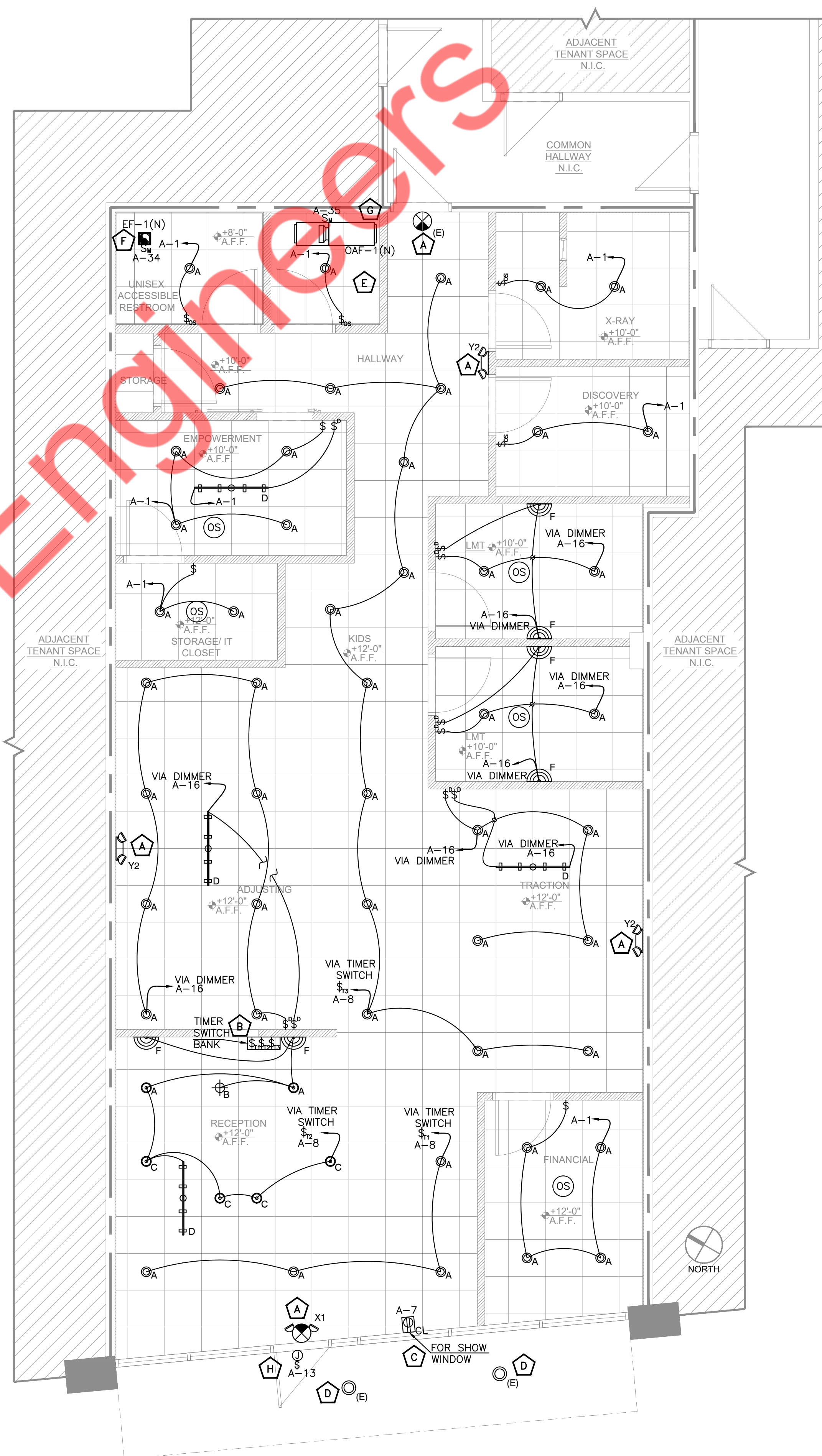


**ELECTRICAL LIGHTING PLAN KEYED WORK NOTES:**

- A** CONNECT ALL EMERGENCY EGRESS LIGHTING FIXTURES TO THE NEAREST LIGHTING BRANCH CIRCUIT AHEAD OF ALL SWITCHING AND CONTROLS PER STATE AND LOCAL CODES. ALL THE EMERGENCY EGRESS FIXTURES WITHIN THE SPACE TO REMAIN ON.
- B** COORDINATE EXACT LOCATION OF TIMER SWITCH BANK WITH OWNER/ARCHITECT.
- C** PROVIDE SHOW WINDOW RECEPTACLE AS PER NEC 210.62. VERIFY EXACT LOCATION WITH ARCHITECT/OWNER.
- D** EXISTING LIGHT FIXTURE DENOTED BY (E) SHALL REMAIN AS SHOWN. E.C. SHALL VERIFY THE EXACT EXISTING LIGHTING CONTROLS PROVIDED, THEIR OPERATING CONDITIONS IN FIELD. THE EXISTING LIGHTING CONTROLS SHALL BE IN COMPLIANCE WITH IECC CODES. PROVIDE NEW CONTROLS IF REQUIRED. INFORM ENGINEER ON RECORD FOR ANY DISCREPANCIES/ISSUES BEFORE COMMENCING ANY WORK. BASE BID ACCORDINGLY.
- E** LIGHTING CONTROL IN THE ROOM SHALL NOT BE WITH AUTOMATIC MEANS AS PER NEC 110.26(D).
- F** INTERLOCK EXHAUST FAN EF-1(N) WITH AHU-2(N) E.C. TO COORDINATE WITH MECHANICAL DRAWINGS.
- G** INTERLOCK EXHAUST FAN OAF-1(N) WITH AHU-1(N) & AHU-2(N) E.C. TO COORDINATE WITH MECHANICAL DRAWINGS.
- H** E.C. TO COORDINATE THE BUILDING SIGNAGE REQUIREMENTS WITH SIGN VENDOR. BASE BID ACCORDINGLY.

**ELECTRICAL LIGHTING PLAN GENERAL NOTES:**

1. COORDINATE FINAL FIXTURE MAKE & MODEL WITH ARCHITECT/OWNER.
2. ALL LIGHT FIXTURES CONSIDERED TO BE AS 120 VOLT FIXTURE. E.C. SHALL INFORM ENGINEER ON RECORD OTHERWISE.
3. UPPER CASE LETTER NEXT TO LIGHT FIXTURE DENOTES FIXTURE TYPE.
4. ALL EMERGENCY FIXTURES SHALL BE CONNECTED TO AN UNSWITCHED HOT CONDUCTOR.
5. G.C. TO VERIFY AND CONFIRM LIGHT FIXTURES HEIGHT AS PER THE ARCHITECTURE PLANS.
6. E.C. TO MAKE SURE THAT ALL THE LIGHTING CONTROL SHALL BE IN COMPLIANCE WITH IECC 2021.
7. REMOVE THE EXISTING BATTERY PACK(BUG-EYE TYPE) LIGHTING FIXTURE UNITS WITHIN THE SPACE IF ANY.



**LIGHTING PLAN** SCALE 1/4" = 1'-0" **1**

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REVISIONS DATES:

NO.	DATE	DESCRIPTION

LIGHTING PLAN

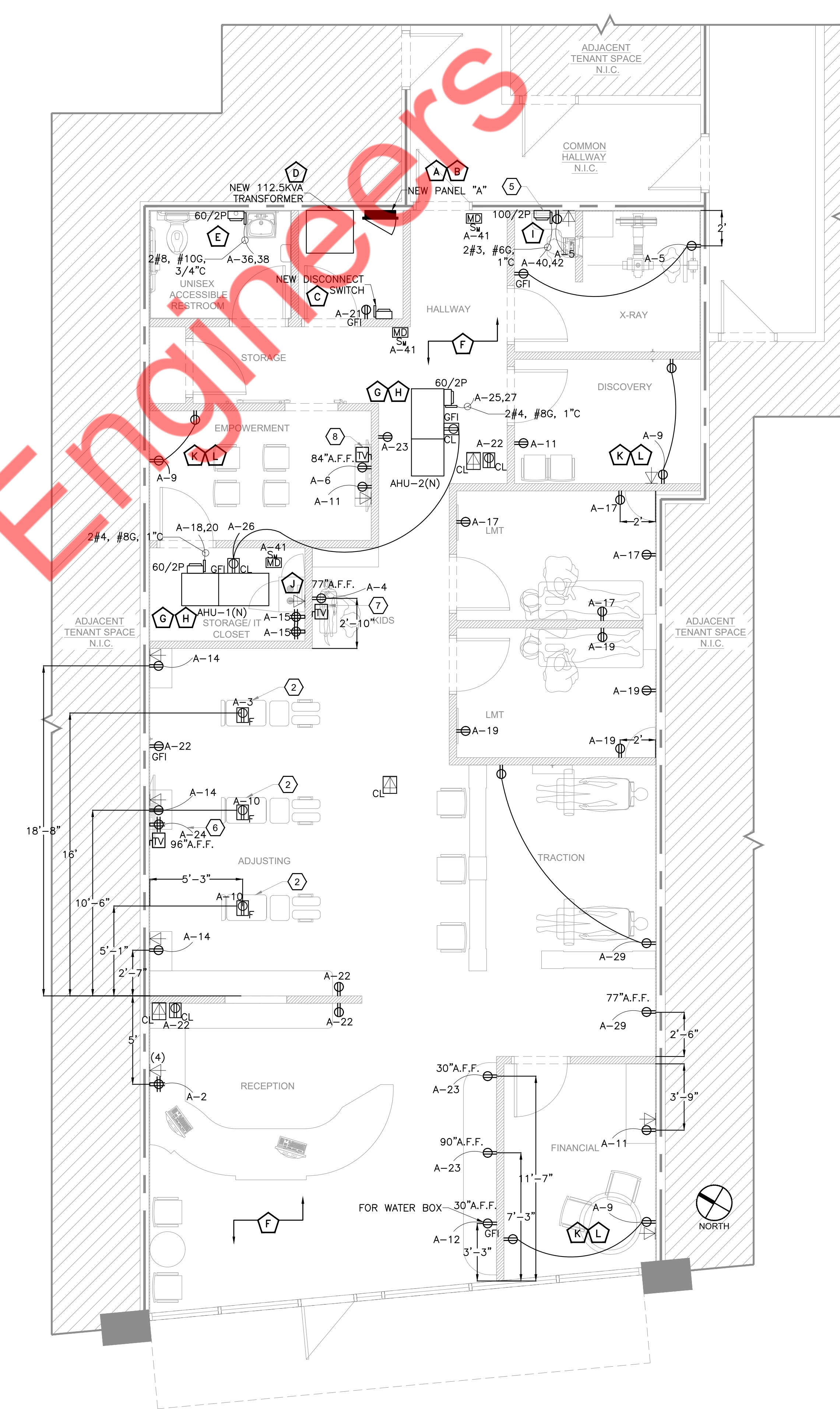
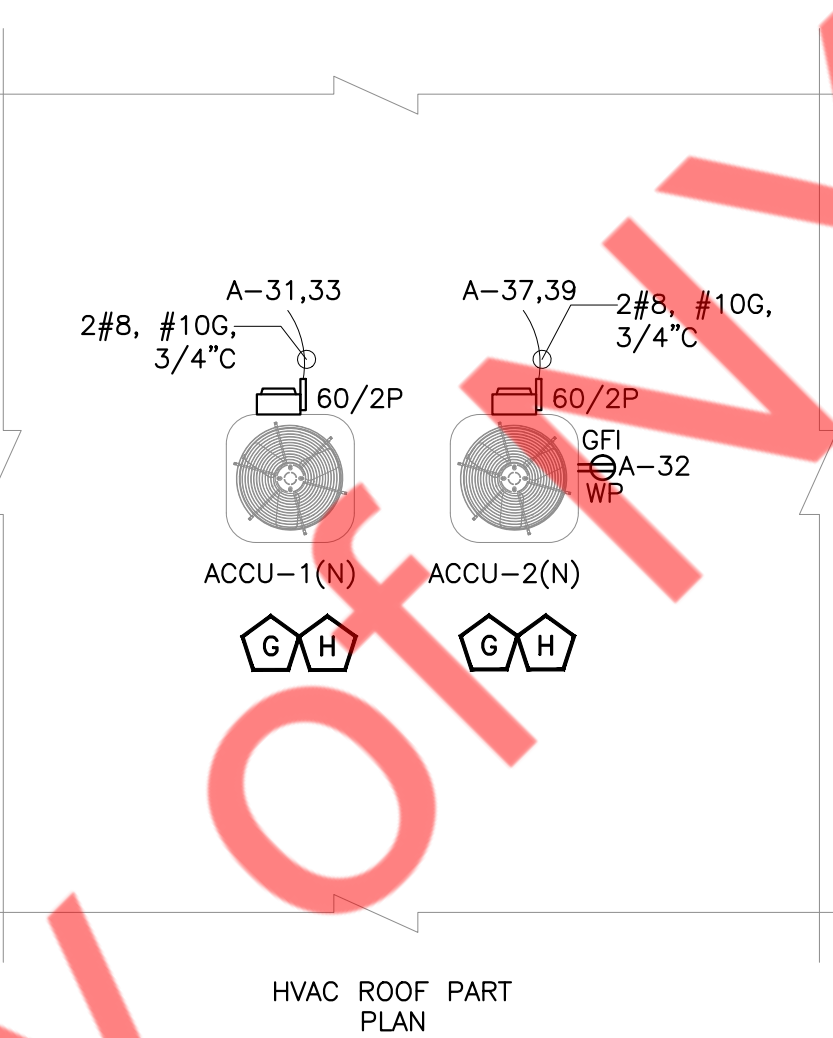
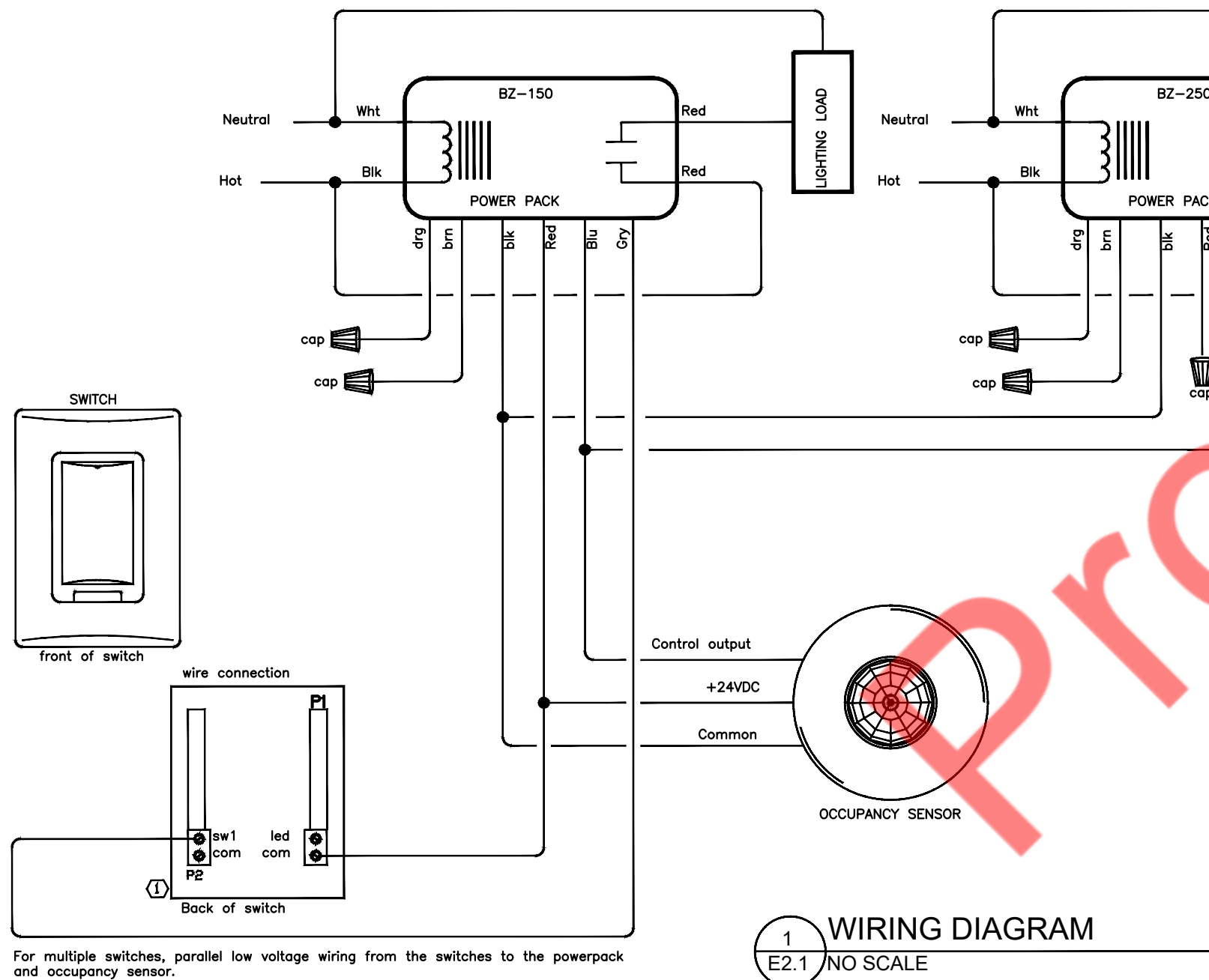
E-2

ELECTRICAL POWER PLAN KEYED WORK NOTES:

- A** NEW 400A, 120/208V, 3-PHASE, 4-WIRE ELECTRICAL PANEL "A", E.C. TO COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER.
- B** E.C. SHALL VERIFY/PERFORM THE INSTALLATION OF ELECTRICAL PANELS IN COMPLIANCE WITH 2020 NEC ARTICLE 110.26(A) AND (B). E.C. SHALL FIELD VERIFY THAT THE PANELS ARE UNOBSTRUCTED AND THE AREA WHERE THE PANELS ARE PLACED SHALL NOT BE USED AS A STORAGE SPACE.
- C** NEW 200A, 277/480V, 3-PHASE, 4 WIRE ELECTRICAL FUSED DISCONNECT SWITCH. E.C. TO COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER.
- D** NEW 112.5KVA 3-PHASE TRANSFORMER WITH PRIMARY 277/480V AND SECONDARY 120/208V. E.C. TO COORDINATE EXACT LOCATION WITH ARCHITECT/OWNER. THE DIMENSIONS PROVIDED ARE FOR STANDARD TRANSFORMER. E.C. TO VERIFY DIMENSIONS WITH THE SUBMITTAL PRIOR TO INSTALLATION TO MAKE SURE ALL CLEARANCES AS STATED BY APPLICABLE CODES AND MANUFACTURER ARE BEING MET. BASE BID ACCORDINGLY.
- E** E.C. SHALL COORDINATE WITH THE WATER HEATER MANUFACTURER FOR THE EXACT POWER REQUIREMENTS PRIOR TO ROUGH-IN. BASE BID ACCORDINGLY.
- F** ALL 15/20A, 125V AND 250V NON LOCKING TYPE RECEPTACLES IN LOBBY/ RECEPTION/HALLWAY SHALL BE LISTED TAMPER RESISTANCE AS PER 2020 NEC 406.12.
- G** ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR FOR EXACT LOCATION AND POWER REQUIREMENT OF THE MECHANICAL UNITS IN THE FIELD. PROVIDE CIRCUIT AND CONTROL AS REQUIRED.
- H** ELECTRICAL CONTRACTOR SHALL COORDINATE DISCONNECT AND FUSE REQUIREMENT FOR MECHANICAL UNIT WITH MECHANICAL CONTRACTOR AND EQUIPMENT MANUFACTURER PRIOR TO ROUGH-IN AND PROVIDE AS REQUIRED. LOCATE AS REQUIRED TO MAINTAIN NEC CLEARANCES.
- I** FOR X-RAY GENERATOR, ELECTRICAL CONTRACTOR TO CO-ORDINATE WITH MANUFACTURER/VENDOR FOR ITS EXACT LOCATION, POWER REQUIREMENT AND OTHER DETAILS BEFORE COMMENCING AND WORK. BASE BID ACCORDINGLY. USE COPPER WIRE ONLY, MAXIMUM VOLTAGE DROP 5% MAXIMUM EXPOSURE LOAD AS PER THE CUT SHEET.
- J** E.C. SHALL COORDINATE WITH LOW VOLTAGE VENDOR FOR EXACT QUANTITY AND POWER REQUIREMENTS FOR LOW VOLTAGE EQUIPMENTS PRIOR TO ROUGH-IN. BASE BID ACCORDINGLY.
- K** 50% OF 15/20A RECEPTACLE INSTALLED IN THIS AREAS SHALL HAVE AUTOMATIC RECEPTACLE CONTROL IN ACCORDANCE WITH IECC 2021 SECTION C405.11.1. PROVIDE PERMANENT MARKING AS PER NEC 406.3(E). REFER E.2 SHEET FOR DETAILS. BASE BID ACCORDINGLY.
- L** ELECTRICAL CONTRACTOR SHALL MAKE FINAL CONNECTION OF BOTH TOP AND BOTTOM OUTLETS. PROVIDE SWITCHED DUPLEX RECEPTACLE FOR NORMAL AND AUTOMATIC SHUT OFF CONTROL. TOP RECEPTACLE SHALL BE CONTROLLED. BASE BID ACCORDINGLY.

POWER PLAN-FLOOR GENERAL NOTES:

1. E.C. SHALL COORDINATE WITH THE EQUIPMENT VENDOR FOR EXACT RECEPTACLE REQUIREMENT AND WITH ARCHITECT/OWNER FOR EXACT LOCATION AND MOUNTING HEIGHT OF THE RECEPTACLES IN THE FIELD.
2. CONTRACTOR TO COORDINATE WITH ARCHITECT FOR EXACT HEIGHT OF OUTLETS.
3. E.C. SHALL COORDINATE WITH LOW VOLTAGE VENDOR FOR EXACT QUANTITY AND POWER REQUIREMENTS FOR LOW VOLTAGE EQUIPMENTS PRIOR TO ROUGH-IN. BASE BID ACCORDINGLY.
4. ALL THE WIRING SHALL BE IN COMPLIANCE WITH 2020 NEC 517.13.
5. ALL WIRING DEVICES SHALL BE LABELED WITH RESPECTIVE PANEL AND CIRCUIT NUMBER. SUBMIT LABELING TO BUILDING MANAGEMENT FOR REVIEW AND APPROVAL.
6. ALL ROOF WORK SHALL BE PERFORMED BY BUILDING ROOF CONTRACTOR AS TO MAINTAIN ROOF WARRANTY. ADD REFERENCES TO PERFORM ALL WORK IN ACCORDANCE WITH BUILDING ROOF CONTRACTOR REQUIREMENTS. DISCONNECTS SHALL BE NEMA 3R. MATCH EXISTING ROOF INSTALLATIONS.
7. MC OR AC CABLE SHALL NOT BE USED EXCEPT WHERE CONCEALED IN WALLS OR FOR CONNECTION BETWEEN LIGHT FIXTURES CONCEALED ABOVE CEILINGS. MC OR AC CABLE SHALL NOT BE USED FOR ANY FEEDER OR HOME RUN CIRCUITING.
8. PVC CONDUIT SHALL NOT BE USED AT BUILDING INTERIORS.
9. PROVIDE SMOKE DETECTORS FOR MECHANICAL UNITS SHUTDOWN REQUIREMENTS. COORDINATE WITH MECHANICAL CONTRACTOR.



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NO.	DATE	DESCRIPTION

POWER & ROOF PLAN

E-3





EXISTING CONTIDITONS NOTES

STOP AND READ
THE CONTRACTOR AND SUB-CONTRACTORS SHALL NOT INITIATE ANY WORK UNTIL EXISTING FIELD CONDITIONS ARE PROPERLY VERIFIED.

SCOPE OF WORK

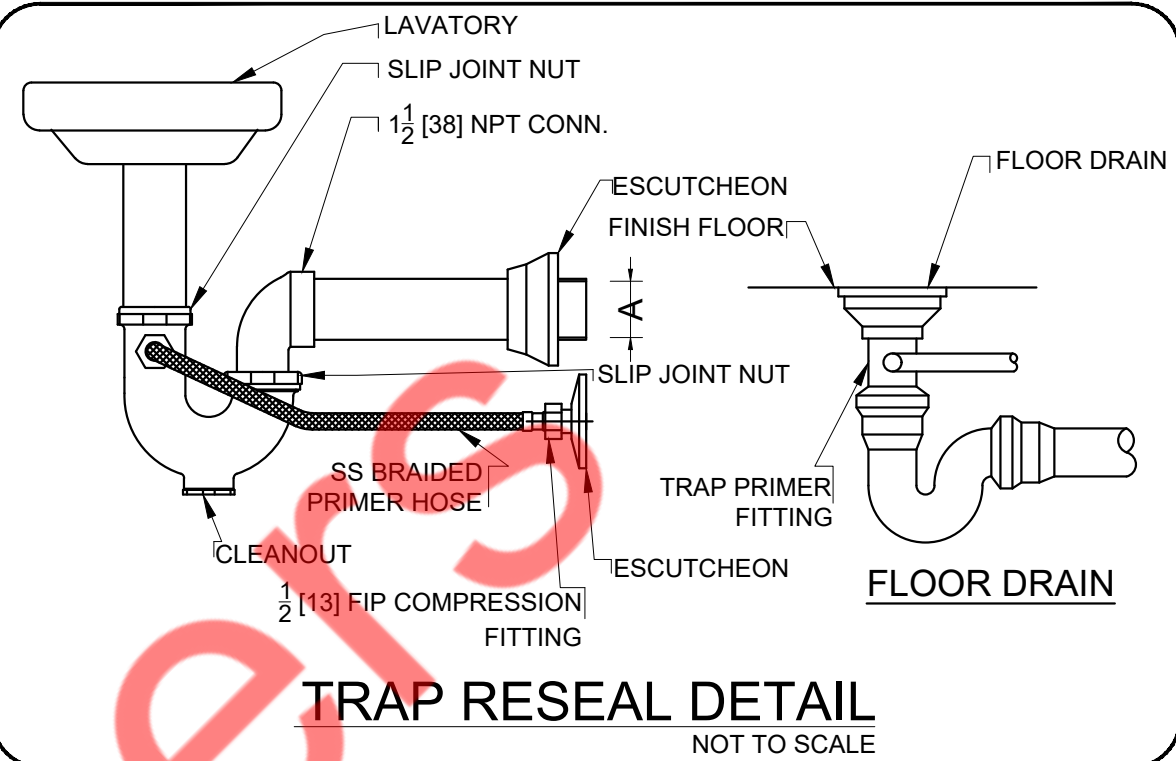
PROVIDE ALL PLUMBING FOR A NEW CHIROPRACTIC FACILITY INCLUDING ALL WATER & SANITARY LINES AND CONNECT TO EXISTING UTILITIES.

FIXTURE BRANCH SCHEDULES

Table with 5 columns: FIXTURE, COLD WATER, HOT WATER, WASTE, VENT. Includes entries for LAVATORY, WATER CLOSET, FLOOR DRAIN, and APP. WATER SUPPLY BOX.

PLUMBING FIXTURE SCHEDULE

Table with 5 columns: Item No., Qty., Description, MANUFACTURER, MODEL. Includes items like WATER CLOSET, ELONGATED SEAT, LAVATORY, THERMAL MIXING VALVES, WATER COOLER, NEW WATER HEATER, and FLOOR DRAIN.



PLUMBING NOTES

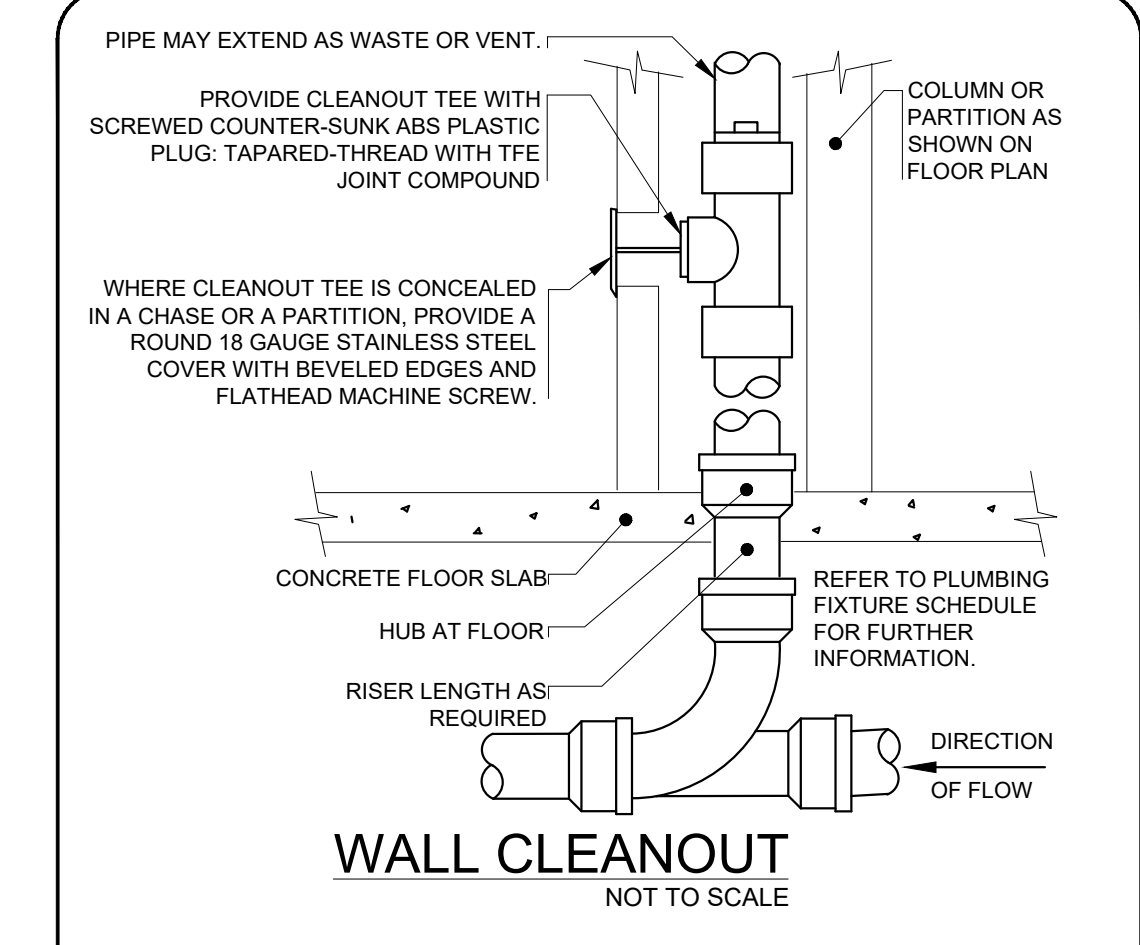
- 1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, RULES AND ORDINANCES.
2. PLUMBING CONTRACTOR SHALL REVIEW ALL DRAWINGS OF THIS SET. CONTRACTOR TO VERIFY THAT ALL EQUIPMENT SHOWN AS EXISTING MATCHES THE DESCRIPTIONS AND SPECIFICATIONS SHOWN ON DRAWINGS AND SCHEDULES.

PLUMBING LEGEND

Legend table mapping symbols to plumbing components: SAN (Sanitary Sewer Piping), V (Vent Piping), EX.V (Existing Vent Piping), CW (Domestic Cold Water Piping), HW (Domestic Hot Water Piping), EX.CW (Ex. Domestic Cold Water Piping), PU (Pipe Up), PD (Pipe Down), P (P-Trap), S.O.V (Shut-off Valve), WCO (Wall Clean Out), ISV (Isolation Valve), SBP (Secondary Backflow Preventer), FD (Floor Drain), FCO (Floor Clean Out), PC (Point of Connection).

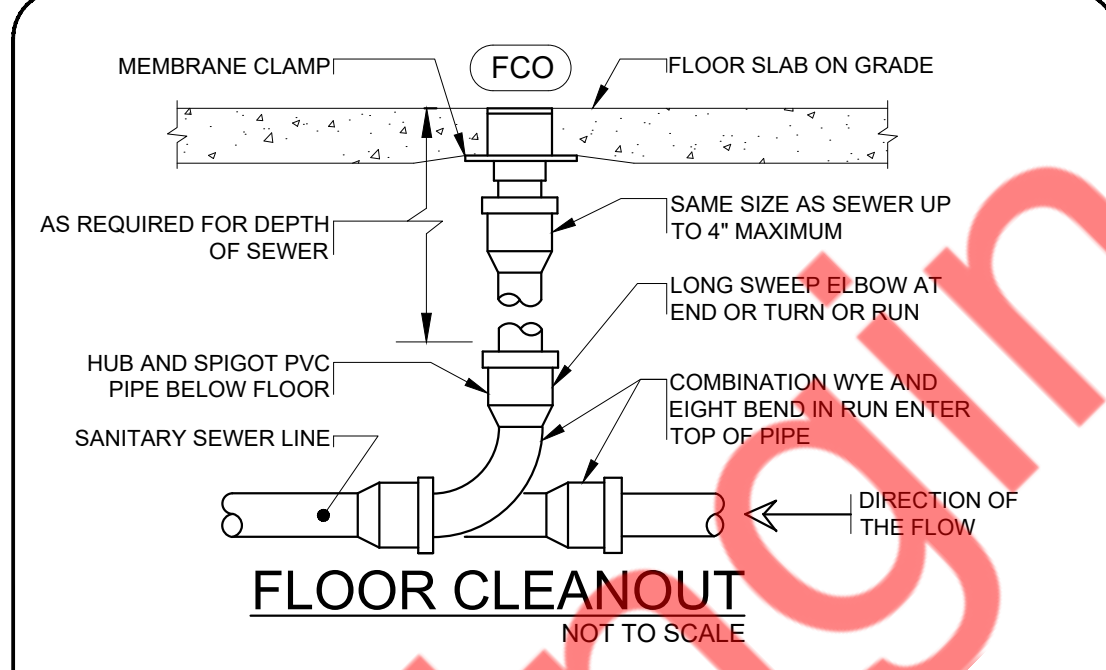
LANDLORD NOTES

- 1. CONTRACTOR TO MAKE SURE THAT RESTRICTIONS ON CONSTRUCTION HOURS AND CONDUCTING CERTAIN CONSTRUCTION ACTIVITIES SHOULD BE COORDINATED WITH THE LANDLORD.
2. CONTRACTOR TO MAKE SURE THAT DRAWINGS FOR INSTALLATION TO CONFORM TO SHELL BUILDING STANDARDS AND SPECIFICATIONS.



WALL CLEANOUT DETAIL NOTES

- 1) PROVIDE WCO WHERE SHOWN ON PLANE, AND ON SANITARY WASTE BRANCHES NOT SERVED WITH A FLOOR CLEANOUT.
2) LOCATE ABOVE FIXTURE FLOOR RIM WITHIN 4' OF FLOOR.



FLOOR CLEANOUT DETAIL NOTES

- 1) LOCATE CLEANOUT AT THIS LOCATIONS:
A) BUILDING EXIT
B) AT TURNS OF PIPES GREATER THAN 45 DEGREES

FIRE PROTECTION GENERAL NOTES

- 1. THE SPRINKLER CONTRACTOR SHALL RELOCATE EXISTING SPRINKLER HEADS AND PIPING, AND SHALL PROVIDE NEW SPRINKLER HEADS AND PIPING AS REQUIRED TO PROVIDE FULL COVERAGE OF THIS LEASE SPACE.
2. THE SPRINKLER CONTRACTOR SHALL REFER TO THE ARCHITECTURAL REFLECTED CEILING PLAN TO DETERMINE EXACT LOCATIONS OF ALL SPRINKLER HEADS.

ENERGY CONSERVATION NOTES

- 1. AS PER 2021 INTERNATIONAL ENERGY CONSERVATION CODE C404.4, PIPING FROM A WATER HEATER TO THE TERMINATION OF HEATED WATER FIXTURE SUPPLY PIPE SHALL BE INSULATED IN ACCORDANCE WITH TABLE OF MINIMUM PIPE INSULATION THICKNESS.
2. HOT WATER SYSTEM PIPING IS DESIGNED AS PER MAXIMUM ALLOWED PIPE LENGTH METHOD AS PER 2021 INTERNATIONAL ENERGY CONSERVATION CODE C404.5.1.

Table: MINIMUM PIPE INSULATION THICKNESS. Columns: FLUID OPERATING TEMPERATURE RANGE AND USAGE (°F), INSULATION CONDUCTIVITY, MEAN RATING TEMPERATURE, NOMINAL PIPE OR TUBE SIZE (INCHES).

Table: NOMINAL PIPE SIZE (INCHES) vs MAXIMUM PIPING LENGTH (FEET). Columns: PUBLIC LAV, OTHER FIXTURES.

WARNING BEFORE ATTEMPTING ANY INSTALLATION, MODIFICATION OR SERVICE OF THIS HEATER, MAKE SURE THE ELECTRICAL POWER IS DISCONNECTED.

Instantaneous Water Heater Detail section containing two diagrams (Sample installation diagrams), a warning box, and detailed instructions for inlet/outlet pipe installation, compression fitting, and electrical wiring.

REVISIONS DATES:

GENERAL NOTES, SCHEDULES & DETAILS

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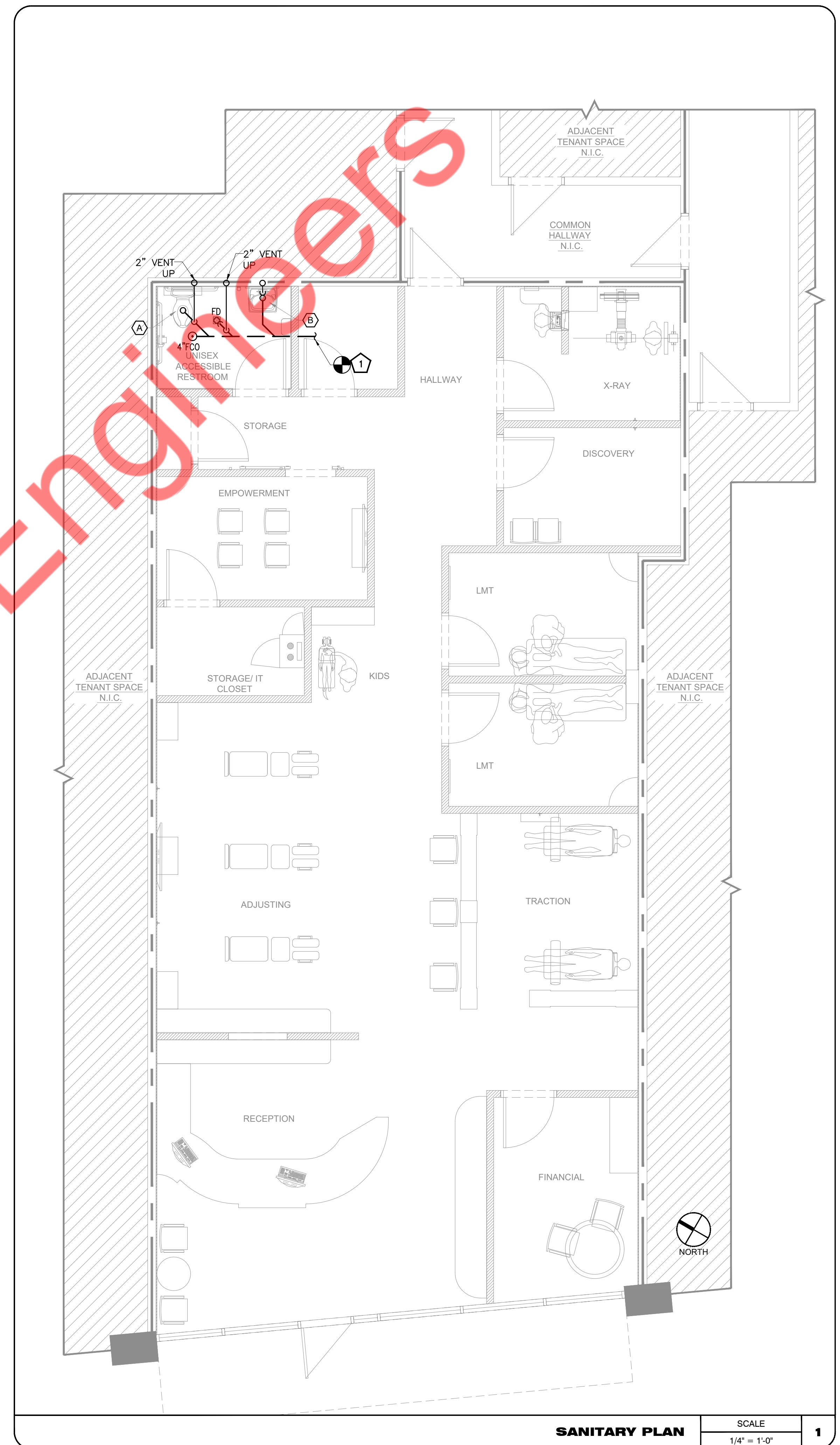
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REVISIONS DATES:




SANITARY PLAN & RISER

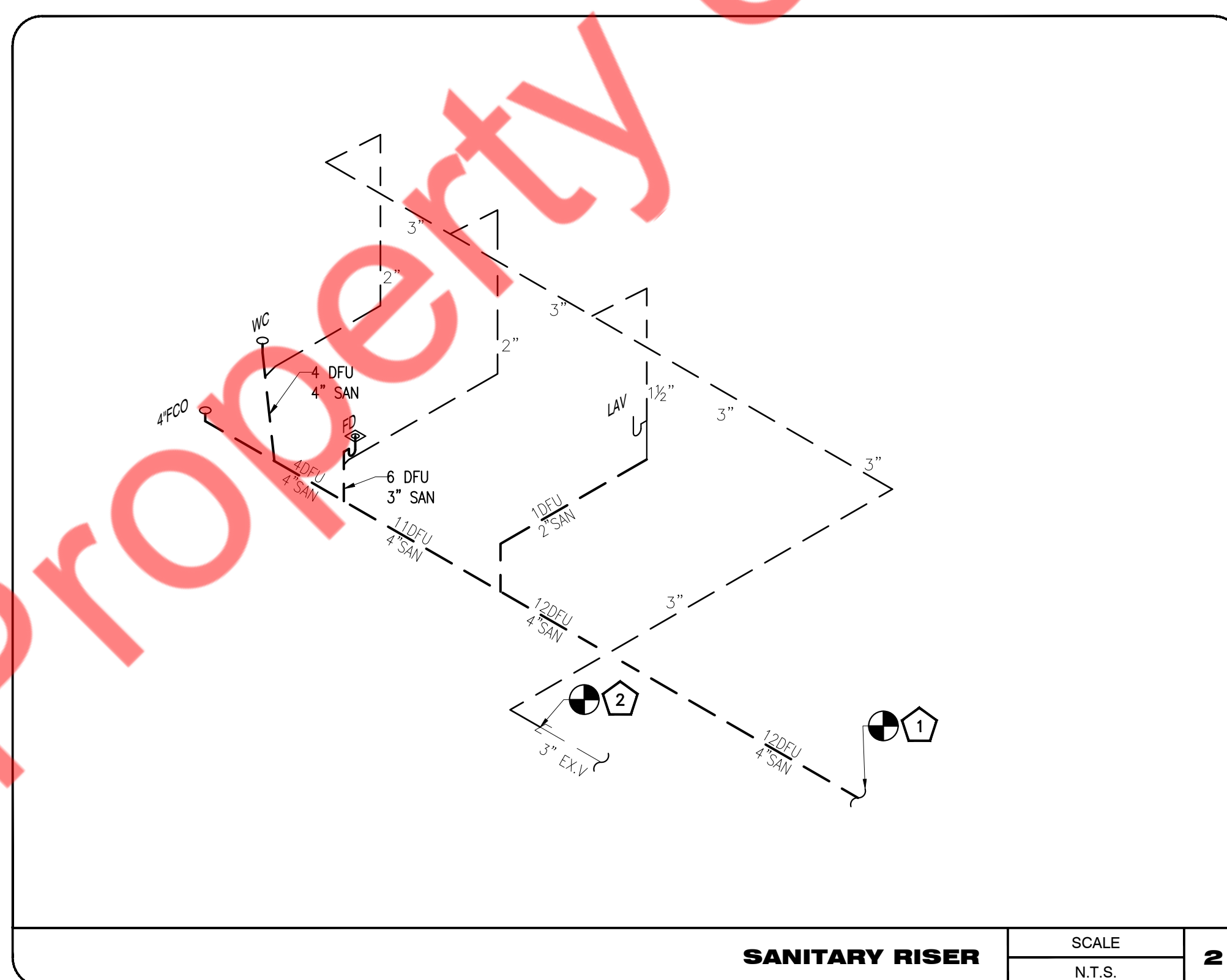
P-2



**SANITARY PLAN** SCALE 1/4" = 1'-0" 1

- GENERAL NOTES**
1. UNLESS OTHERWISE NOTED, SLOPE OF DRAINAGE SYSTEM TO BE 1/8" PER FOOT FOR PIPE OVER 4" AND 1/4" PER FOOT FOR PIPE 4" AND SMALLER UNLESS OTHERWISE APPROVED BY A.H.J.
  2. CONTRACTOR TO FIELD VERIFY FEASIBILITY OF SLAB PENETRATION AS PER STRUCTURAL REQUIREMENT.
  3. ALL MATERIAL INDICATED AND IMPLIED ON THESE DRAWINGS SHALL BE NEW UNLESS OTHERWISE NOTED.
  4. PROVIDE ACCESS PANELS FOR CLEANOUTS AS REQUIRED.
  5. PROVIDE TRAP PRIMER FOR ALL FLOOR DRAINS.

- SANITARY PLAN KEY NOTE**
1. CONNECT NEW 4" SANITARY WASTE PIPING TO EXISTING SANITARY WASTE LINE OF ADEQUATE SIZE IN SPACE. CONTRACTOR TO FIELD VERIFY EXACT SIZE, LOCATION, ROUTING AND INVERT ON SITE.
  2. CONNECT NEW 3" VENT PIPING TO EXISTING VENT PIPING OF ADEQUATE SIZE IN SPACE. CONTRACTOR TO FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING VENT PIPING.



**SANITARY RISER** SCALE N.T.S. 2

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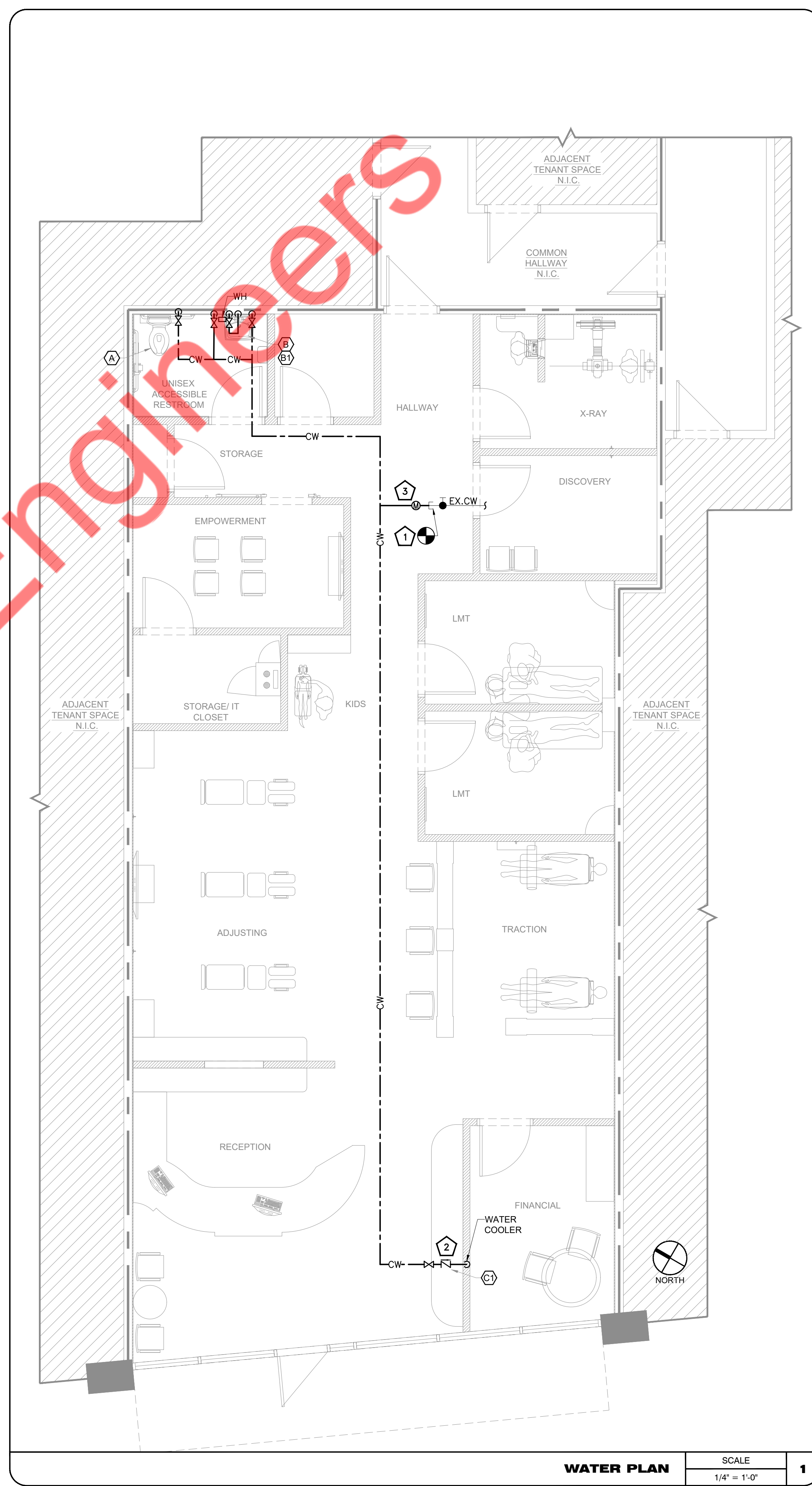
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REVISIONS DATES:


WATER PLAN & RISER

P-3



WATER HEATER SCHEDULE	
MANUFACTURER	EEMAX
MODEL	SPEX4208T
EQUIPMENT TAG	WH
STATUS	NEW
CAPACITY	0 GALLON
FUEL	ELECTRIC
HEATING ELEMENT	-
KW	4.1
GPM	0.5**
EFFICIENCY	0.98
VOLTAGE	208/160
AMPERAGE	20
WEIGHT (EMPTY)	4 LBS.

NOTES  
 1. \*\* @ 56° F TEMPERATURE RISE  
 2. COORDINATE WITH ARCHITECT FOR COVERING OF WATER HEATER IF REQUIRED.

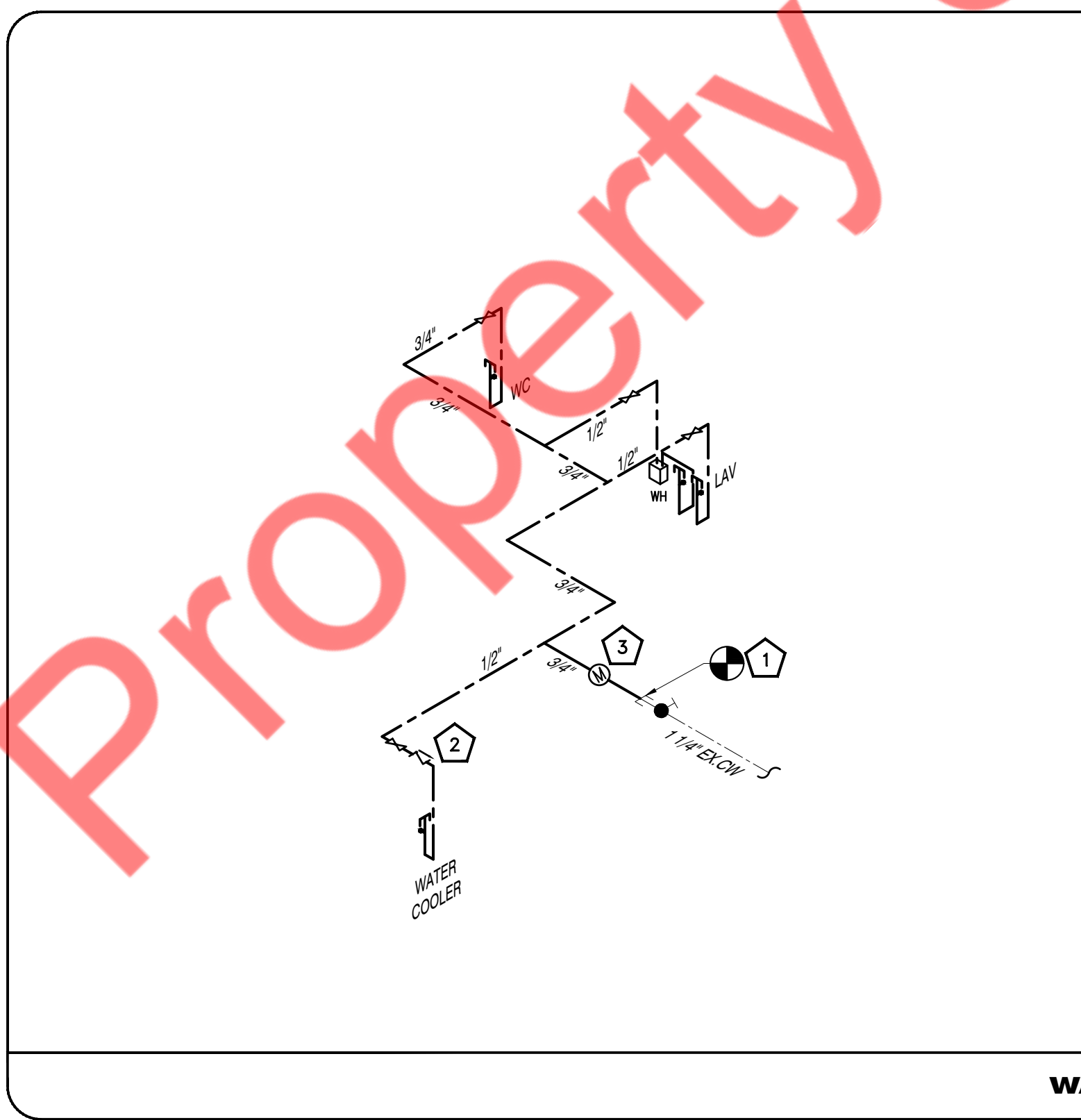
- GENERAL NOTES**
- CW/HW PIPING TO BE PROVIDED WITH INSULATION AS PER 2021 INTERNATIONAL ENERGY CONSERVATION CODE (REFER SHEET P-1)
  - PROVIDE BRANCH PRV IF PRESSURE EXCEEDS 80 PSI.
  - PROVIDE ACCESS PANELS FOR WATER HAMMER ARRESTOR & SHUT-OFF VALVES AS REQUIRED.

- WATER PIPING KEY NOTE**
- CONNECT NEW 3/4" CW LINE TO EXISTING WATER MAIN LINE. PROVIDE 3/4" BFP AND 3/4" WATER METER AS PER LOCAL BUILDING CODE IF NOT PROVIDED.
  - CONTRACTOR TO PROVIDE SECONDARY BFP OF WATTS MODEL SD3 CONFIRMING TO ASSE 1022 STANDARDS.
  - CONTRACTOR TO PROVIDE NEW 3/4" WATER SUB METER THAT SHOULD BE TIED TO BUILDING AUTOMATION SYSTEM. COORDINATE SPECIFICATIONS WITH LANDLORD. SIMILAR TO BADGER RECORDALL MODEL RICDL WITH MODEL FTR RECORDALL TRANSMITTER REGISTER.

**FIXTURE FACTOR VALUE \***

1 WATER CLOSETS (N) @ 2.5	= 2.5
1 LAVATORIES (N) @ 1	= 1
1 APP. WATER SUPPLY BOX @ 2	= 2
TOTAL	= 5.5

\* PER TABLE 610.3  
 IN 2021 UNIFORM PLUMBING CODE  
 3/4" Ø WATER METER AND  
 MIN. 3/4" Ø LINE REQUIRED



**WATER RISER** SCALE N.T.S. **2**

**WATER PLAN** SCALE 1/4" = 1'-0" **1**