

CITY OF HOUSTON

Building Code Enforcement

COH Project Number

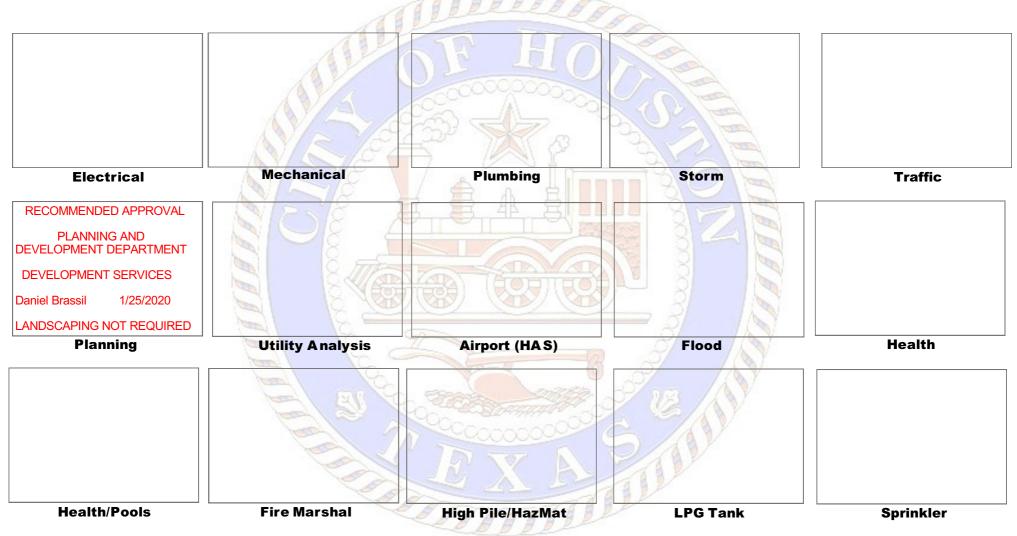
APPROVED

FOR BUILDING PERMIT ONLY CITY OF HOUSTON CODE ENFORCEMENT DIVISION

The owner is responsible for compliance with the Building Code. Such approved plans and specifications shall not be changed, modified or altered without authorization from the building official, and all work shall be done in accordance with the approved plans.

Jacalyn Barconey 2/4/2020

Structural



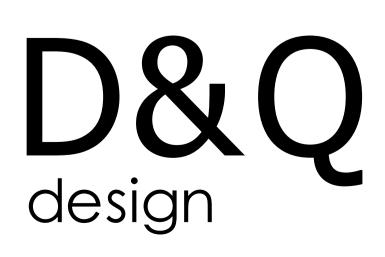
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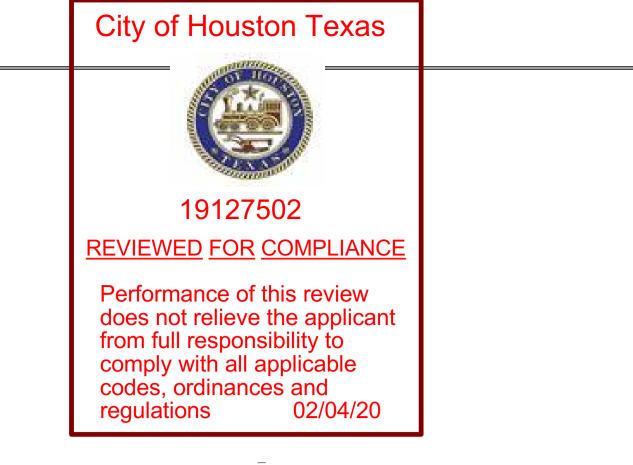


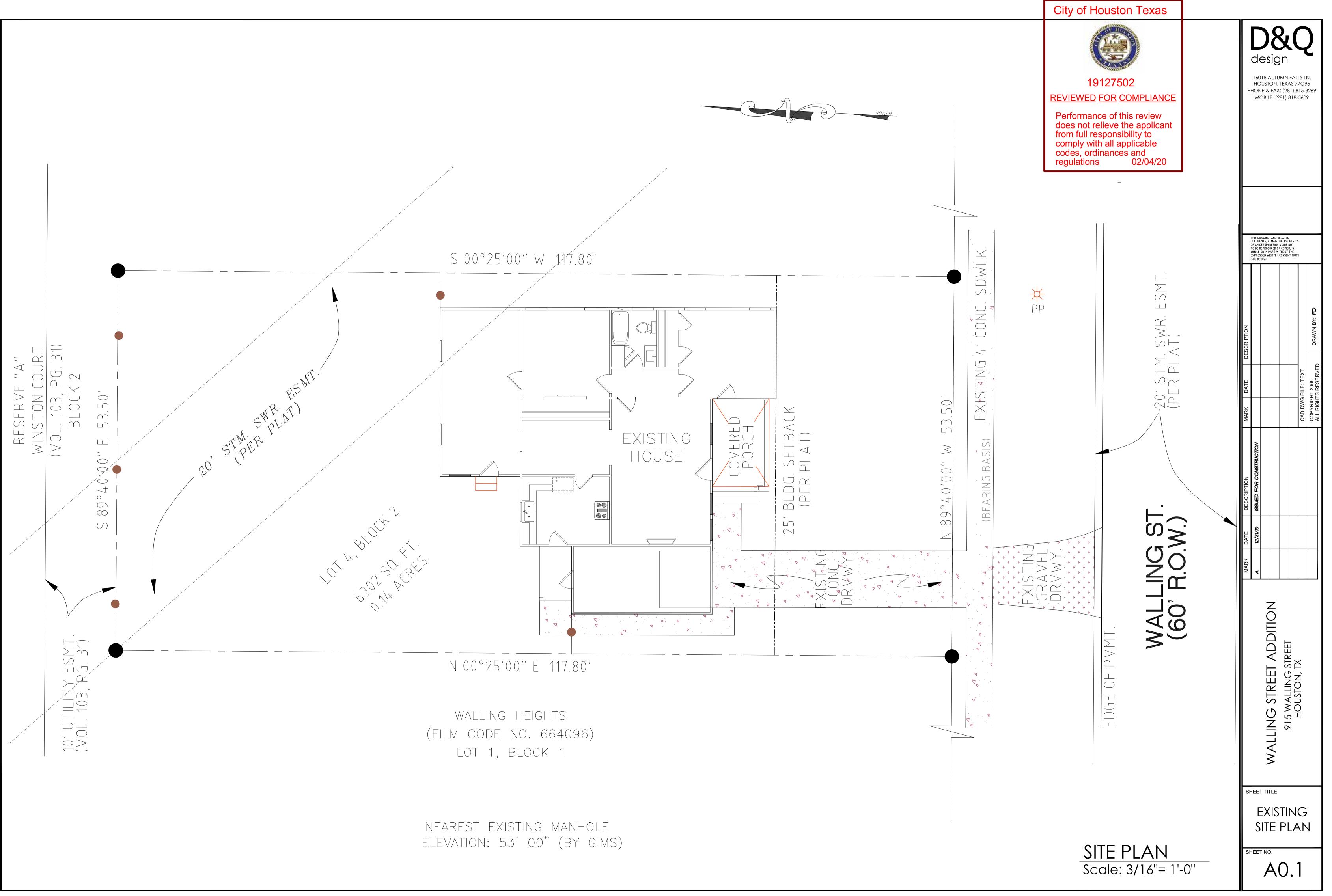
WALLINGSTREETADDITION

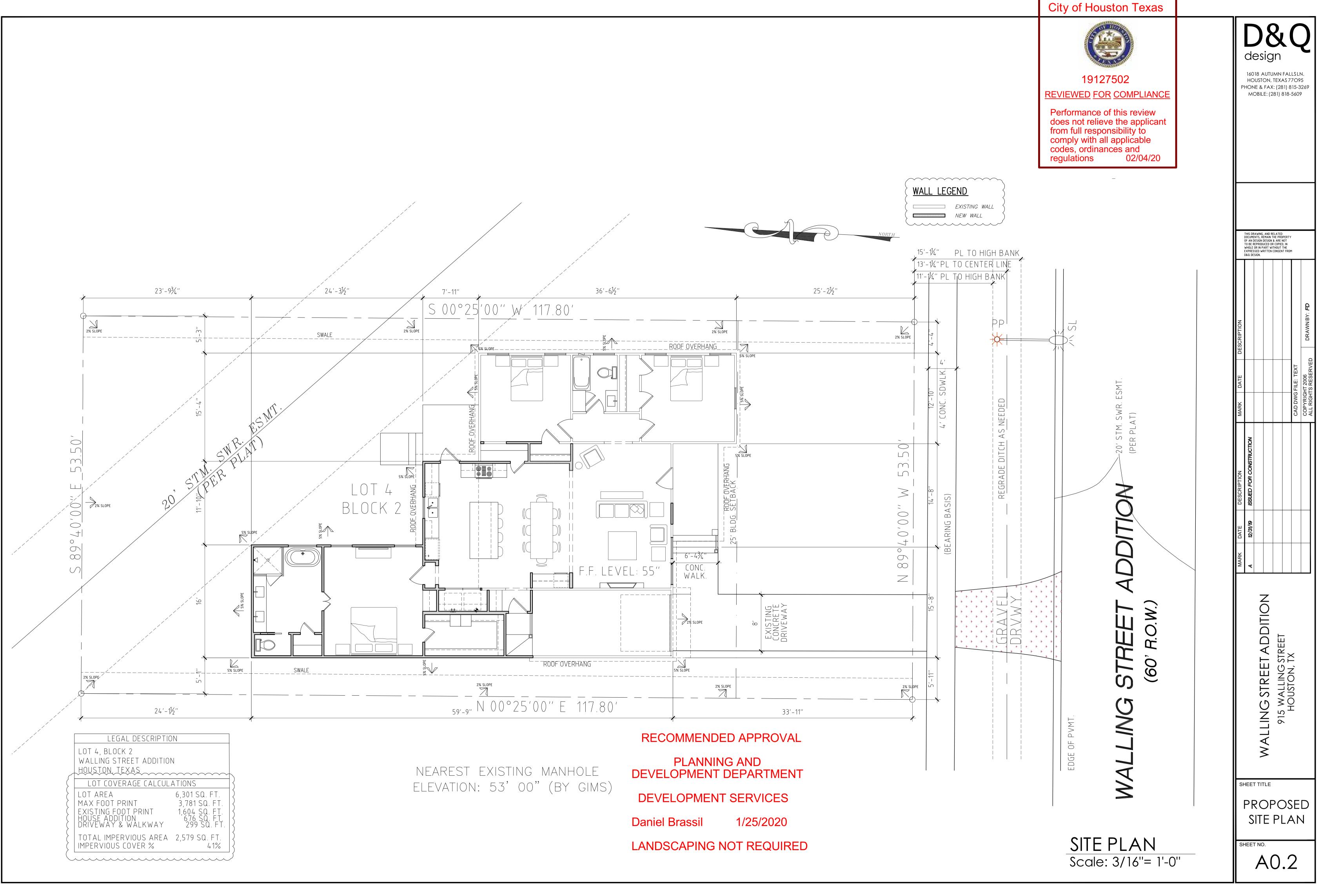
915 WALLING STREET HOUSTON, TX

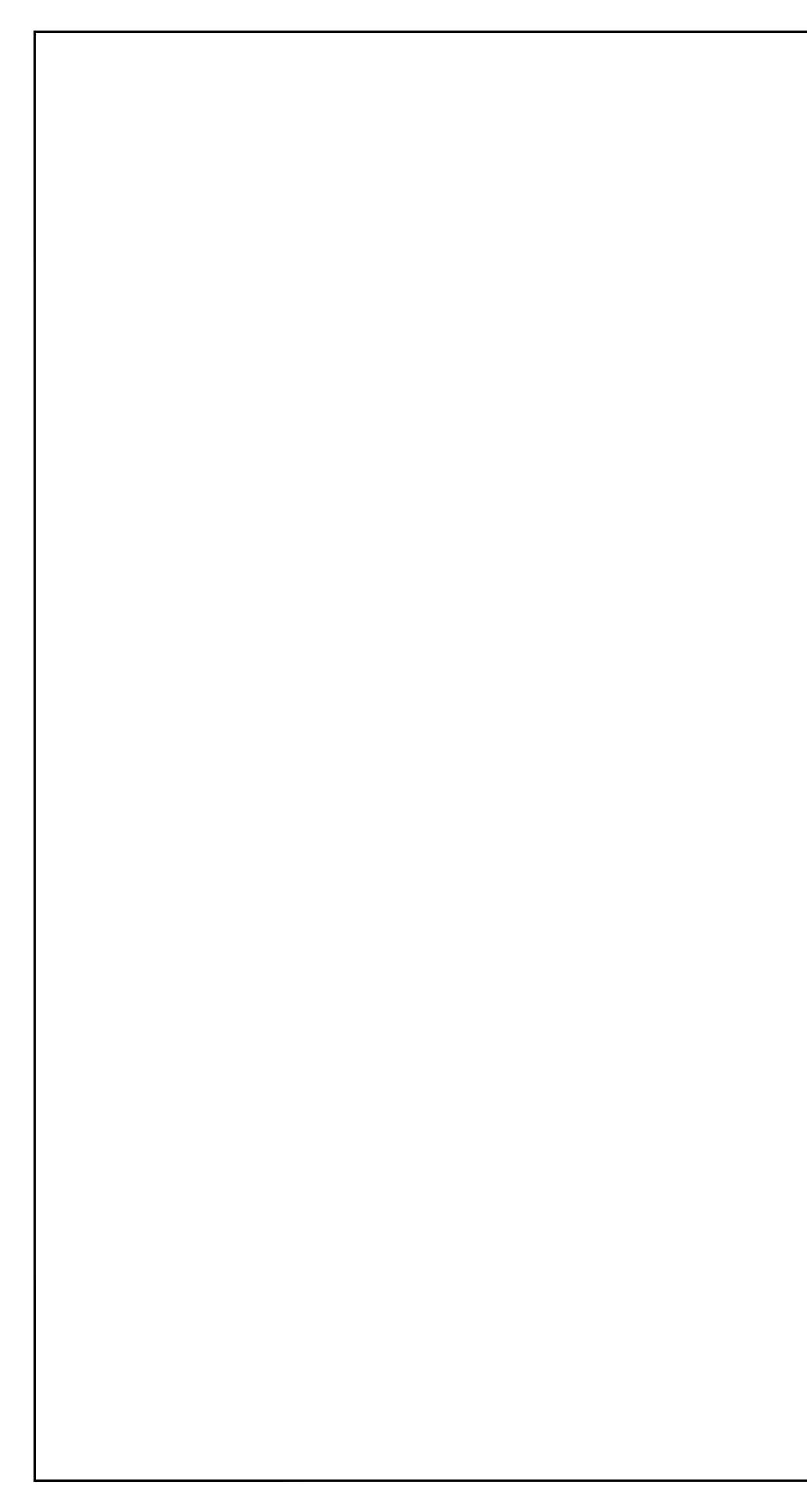


16018 AUTUMN FALLSLN. HOUSTON, TEXAS 77095 MOBILE: (281) 818-5609

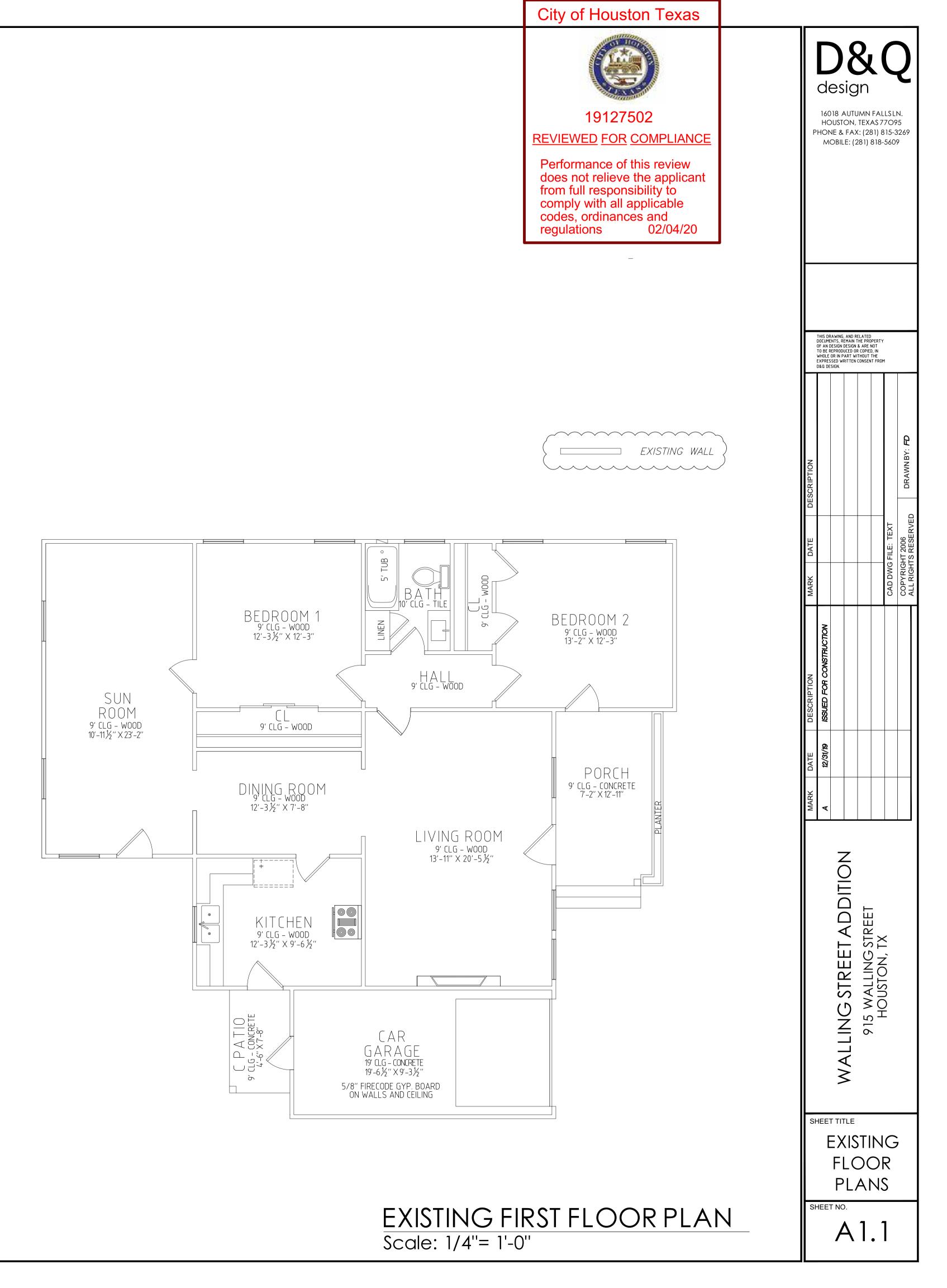


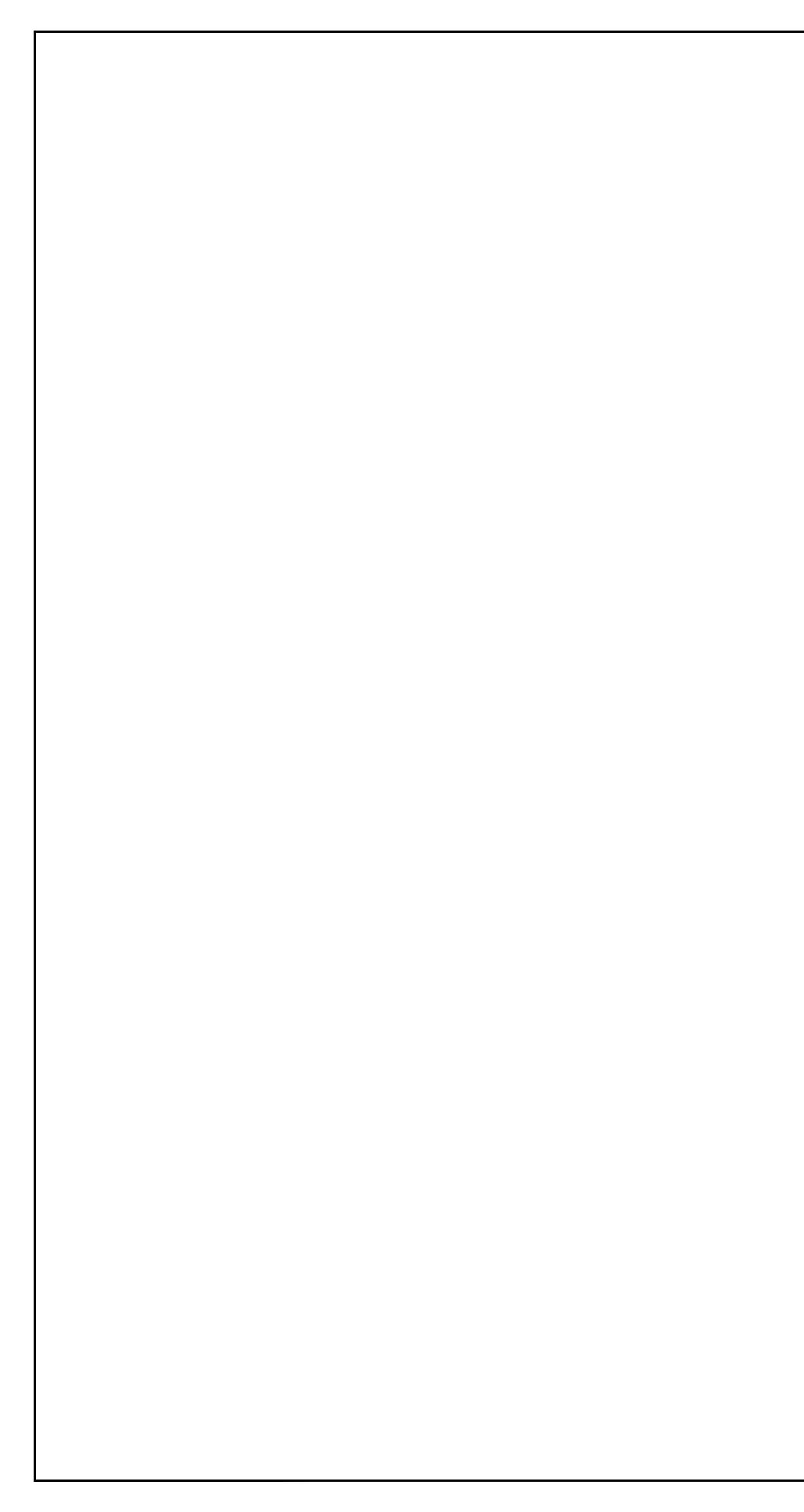






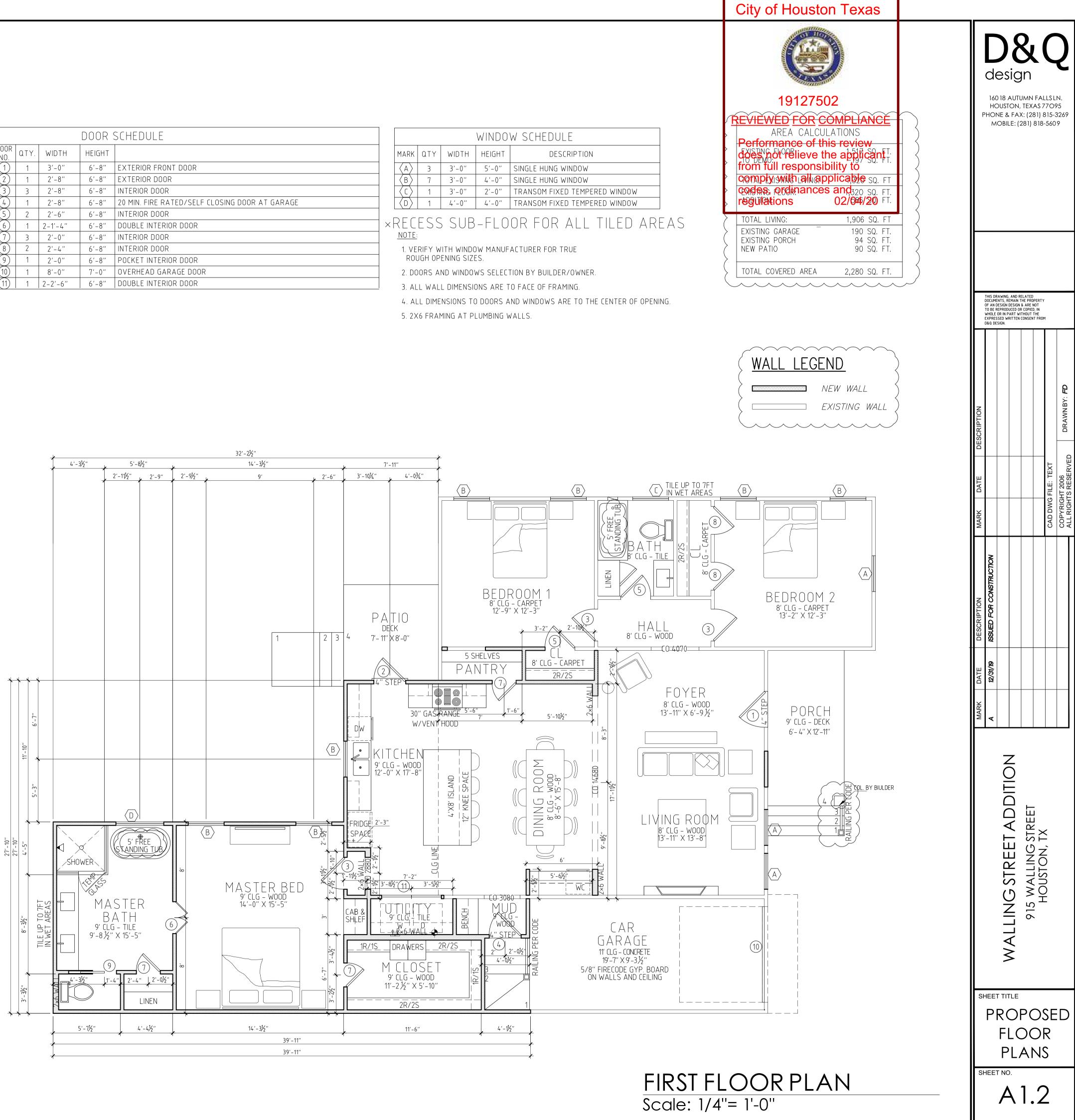
AREA (CALCULATIONS	
FIRST FLOOR:	1,292 SQ. FT.	
TOTAL LIVING:	1,292 SQ. FT	
GARAGE PORCH COVERED PATIO	190 SQ. FT. 93 SQ. FT. 34 SQ. FT.	
TOTAL COVERED	AREA 1,609 SQ. FT.	

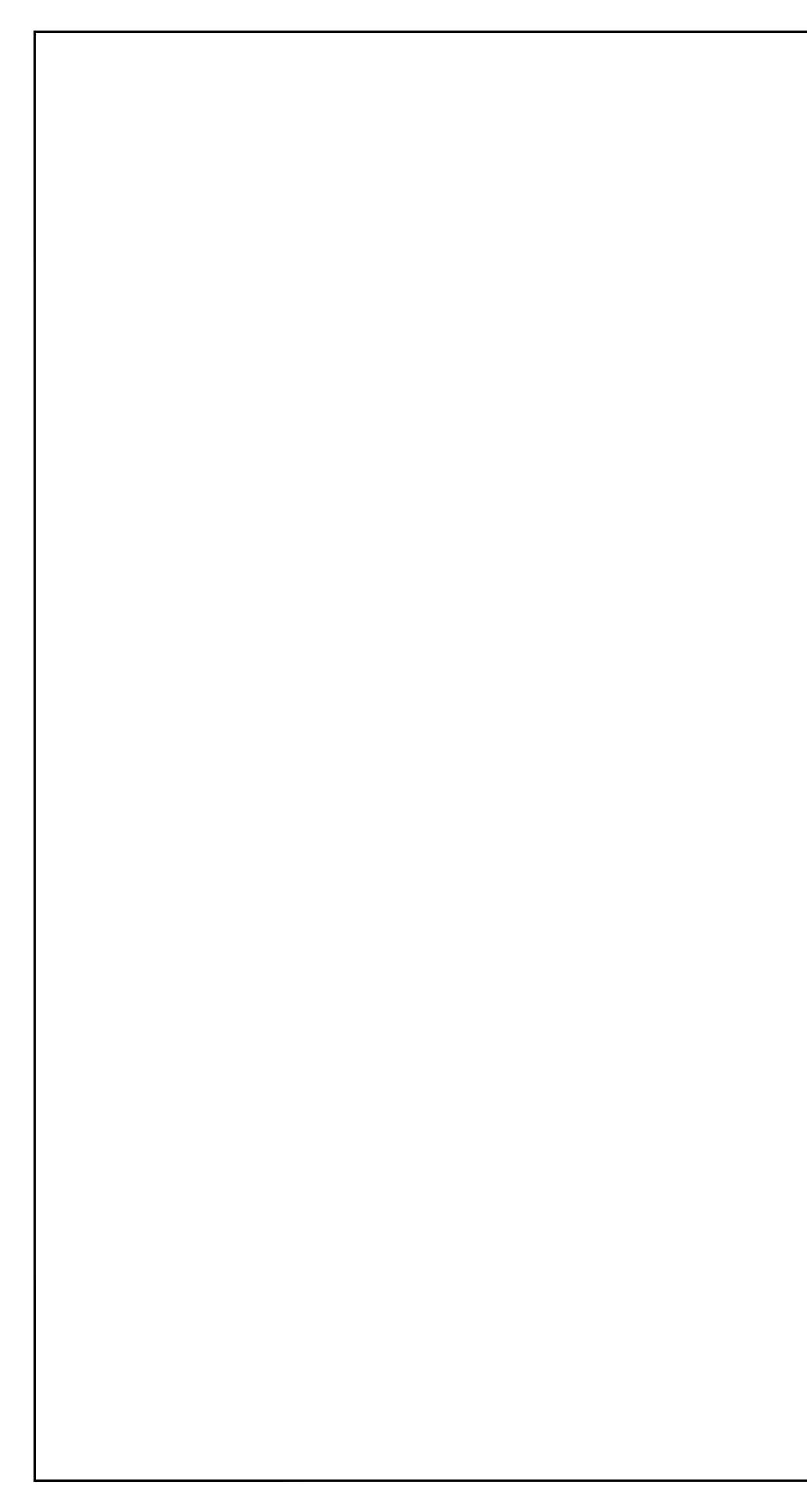


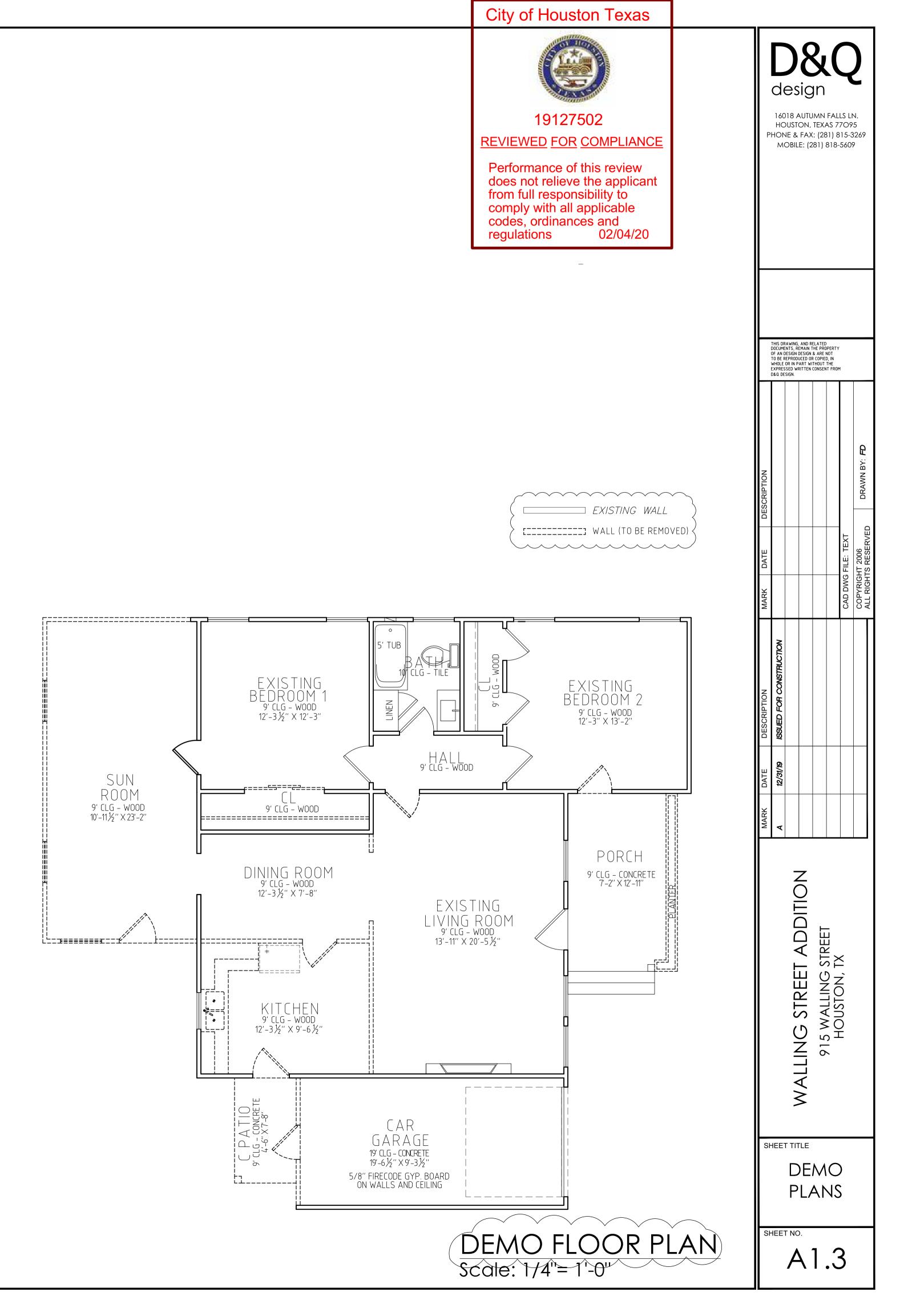


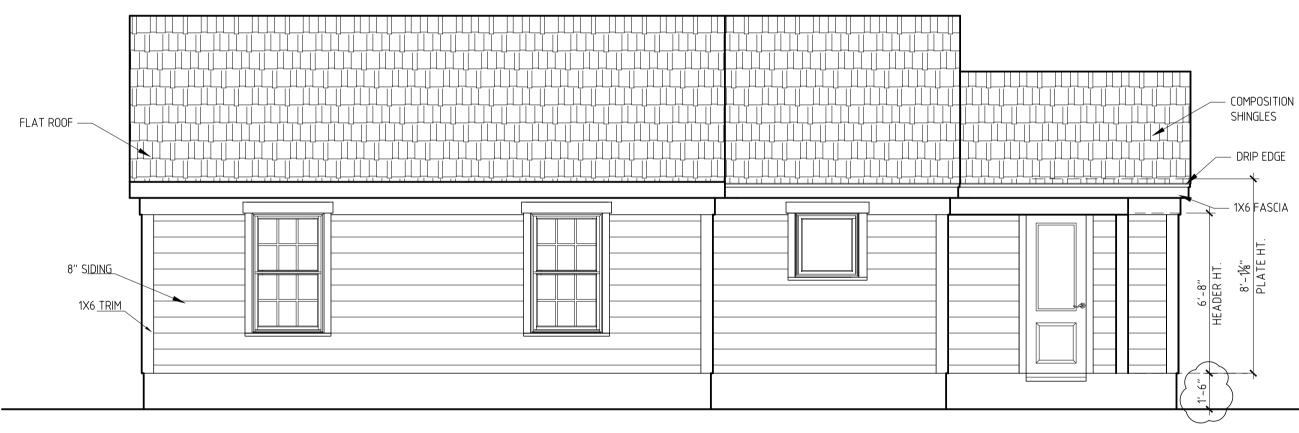
	DOOR SCHEDULE							
DOOR NO.	QTY.	WIDTH	HEIGHT					
	1	3'-0''	6'-8''	EXTERIOR FRONT DOOR				
2	1	2'-8''	6'-8''	EXTERIOR DOOR				
3	3	2'-8''	6'-8''	INTERIOR DOOR				
4	1	2'-8''	6'-8''	20 MIN. FIRE RATED/SELF CLOSING DOOR AT GARAGE				
5	2	2'-6''	6'-8''	INTERIOR DOOR				
6	1	2-1'-4''	6'-8''	DOUBLE INTERIOR DOOR				
7	3	2'-0''	6'-8''	INTERIOR DOOR				
8	2	2'-4''	6'-8''	INTERIOR DOOR				
9	1	2'-0''	6'-8''	POCKET INTERIOR DOOR				
10	1	8′-0′′	7′-0″	OVERHEAD GARAGE DOOR				
(11)	1	2-2'-6''	6'-8''	DOUBLE INTERIOR DOOR				

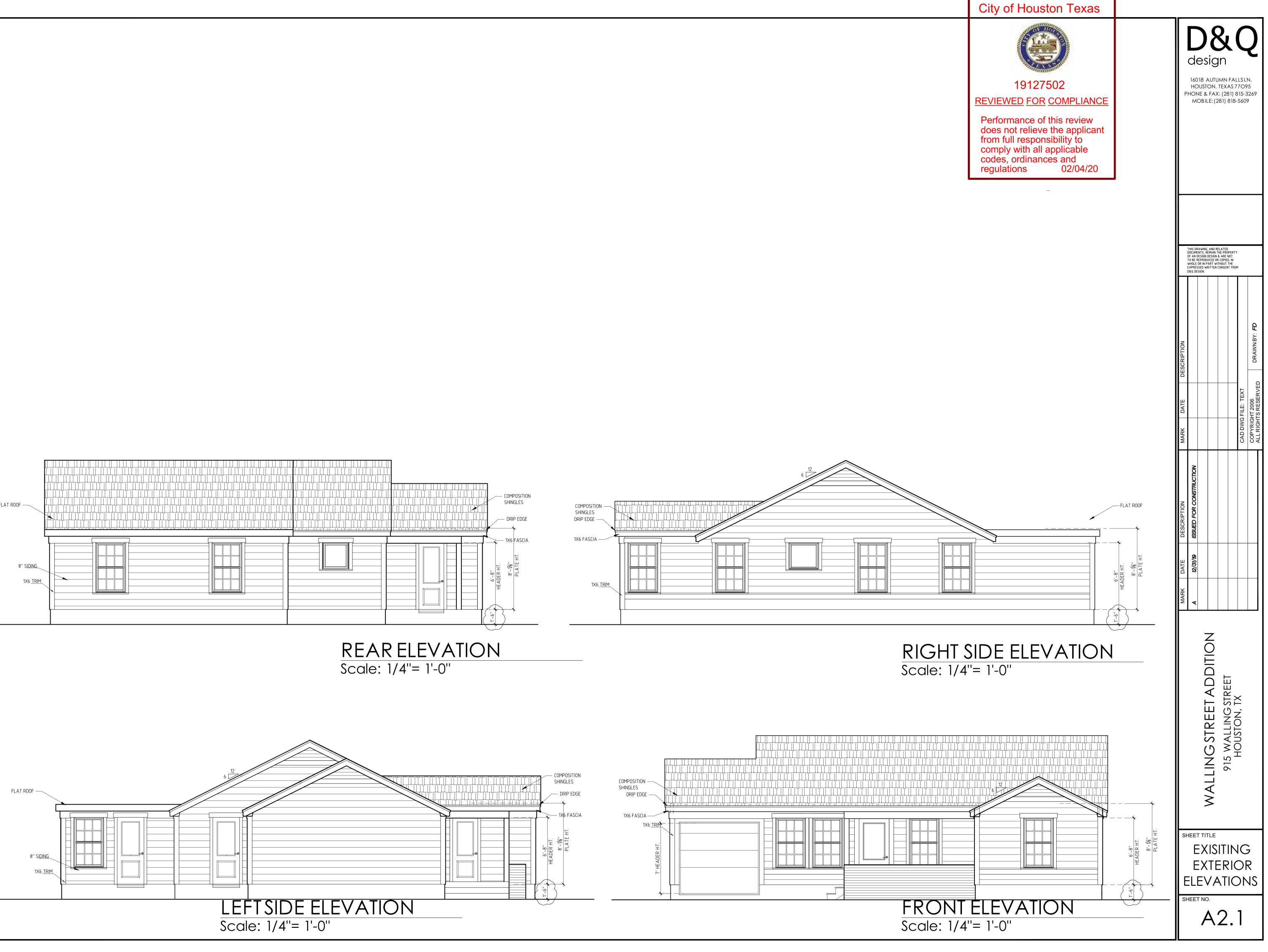
			WINDO	W SCHEDULE
MARK	QTY	WIDTH	HEIGHT	DESCRIP
$\langle A \rangle$	3	3'-0''	5'-0''	SINGLE HUNG WIND
$\langle B \rangle$	7	3'-0''	4'-0''	SINGLE HUNG WIND
$\langle c \rangle$	1	3'-0''	2'-0''	TRANSOM FIXED TE
$\langle D \rangle$	1	4'-0''	4'-0''	TRANSOM FIXED TE



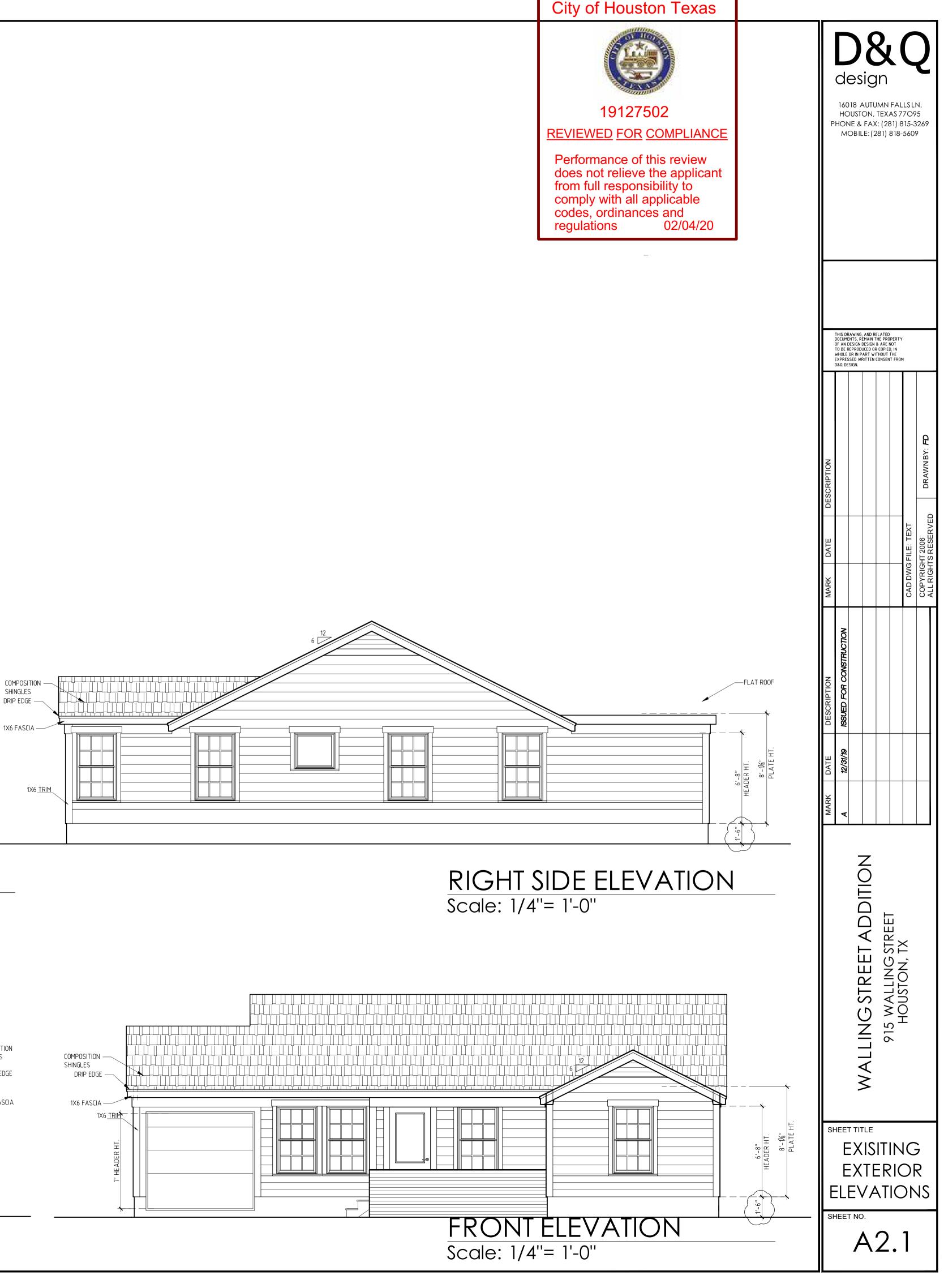






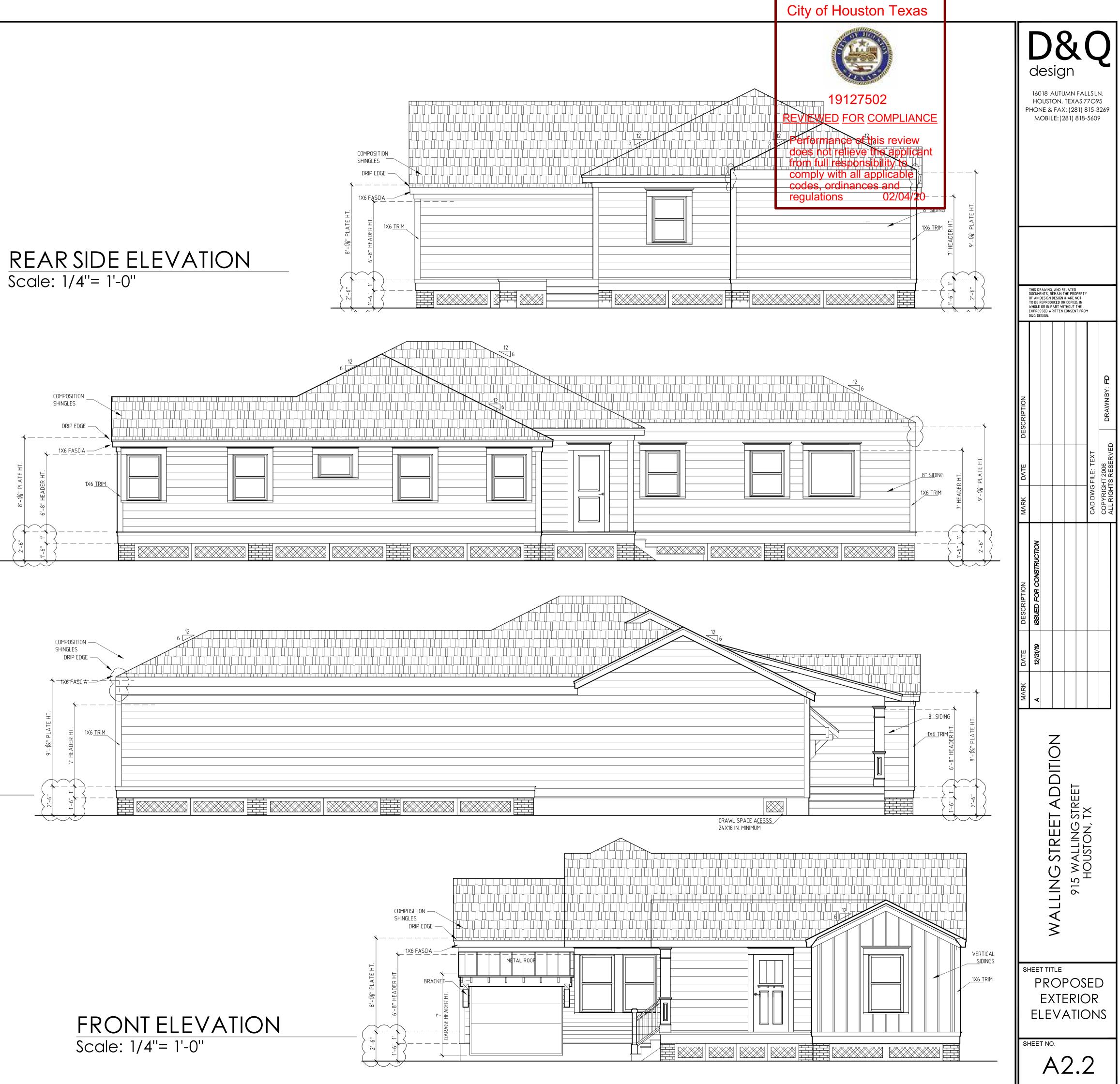














R807.1 ATTIC ACCESS ROUGH OPENING 30"x54". STAIR CAPACITY A MINIMUM OF 350 POUNDS CAPACITY

2. R302.5 DWELLING/GARAGE OPENING/PENETRATION PROTECTION. OPENINGS AND PENETRATIONS THROUGH THE WALLS OR CEILINGS SEPARATING THE DWELLING FROM THE GARAGE SHALL BE IN ACCORDANCE WITH SECTIONS R302.5.1 THROUGH R302.5.3.

R302.5.1 OPENING PROTECTION. OPENINGS FROM A PRIVATE GARAGE DIRECTLY INTO A ROOM USED FOR SLEEPING PURPOSES SHALL NOT BE PERMITTED. OTHER OPENINGS BETWEEN THE GARAGE AND RESIDENCE SHALL BE EQUIPPED WITH SOLID WOOD DOORS NOT LESS THAN 13/8 INCHES (35 MM) IN THICKNESS, SOLID OR HONEYCOMB-CORE STEEL DOORS NOT LESS THAN 13/8 INCHES (35 MM) THICK, OR 20-MINUTE FIRE-RATED DOORS, EQUIPPED WITH A SELF-CLOSING DEVICE.

R302.5.2 DUCT PENETRATION. DUCTS IN THE GARAGE AND DUCTS PENETRATING THE WALLS OR CEILINGS SEPARATING THE DWELLING FROM THE GARAGE SHALL BE CONSTRUCTED OF A MINIMUM NO. 26 GAGE (0.48 MM) SHEET STEEL OR OTHER APPROVED MATERIAL AND SHALL HAVE NO OPENINGS INTO THE GARAGE.

R302.5.3 OTHER PENETRATIONS. PENETRATIONS THROUGH THE SEPARATION REQUIRED IN SECTION R302.6 SHALL BE PROTECTED AS REQUIRED BY SECTION R302.11. ITEM 4.

R302.6 DWELLING/GARAGE FIRE SEPARATION. THE GARAGE SHALL BE SEPARATED AS REQUIRED BY TABLE R302.6. OPENINGS IN GARAGE WALLS SHALL COMPLY WITH SECTION R302.5. THIS PROVISION DOES NOT APPLY TO GARAGE WALLS THAT ARE PERPENDICULAR TO THE ADJACENT DWELLING UNIT WALL.

TABLE R302.6 DWELLING/GARAGE SEPARATION

SEPERATION BETWEEN THE RESIDENCE AND THE GARAGE SHALL BE MAINTAINED BY THE INSTALLATION OF 1/2" GYPSUM BOARD ON ALL COMMON WALLS AND 5/8" ON CEILING ON THE GARAGE SIDE. TYPE 'X' GYPSUM BOARD FOR THE GARAGE CEILINGS BENEATH HABITABLE ROOMS SHALL BE INSTALLED PERPENDICULAR TO THE CEILING FRAMING AND SHALL BE FASTENED AT MAXIMUM 6 INCHES ON CENTER BY MINIMUM 1-7/8" 6d COATED NAILS OR EQUIVALENT DRYWALL SCREWS. (R702.3.5)

3. R302.5.1 OPENING PROTECTION. OPENINGS FROM A PRIVATE GARAGE DIRECTLY INTO A ROOM USED FOR SLEEPING PURPOSES SHALL NOT BE PERMITTED. OTHER OPENINGS BETWEEN THE GARAGE AND RESIDENCE SHALL BE EQUIPPED WITH SOLID WOOD DOORS NOT LESS THAN 13/8 INCHES (35 MM) IN THICKNESS, SOLID OR HONEYCOMB-CORE STEEL DOORS NOT LESS THAN 13/8 INCHES (35 MM) THICK, OR 20-MINUTE FIRE-RATED DOORS, EQUIPPED WITH A SELF-CLOSING DEVICE.

4. R312.2.1 WINDOW SILLS. IN DWELLING UNITS. WHERE THE OPENING OF AN OPERABLE WINDOW IS LOCATED MORE THAN 72 INCHES (1829 MM) ABOVE THE FINISHED GRADE OR SURFACE BELOW, THE LOWEST PART OF THE CLEAR OPENING OF THE WINDOW SHALL BE A MINIMUM OF 24 INCHES (610 MM) ABOVE THE FININSHED FLOOR OF THE ROOM IN WHICH THE WINDOW IS LOCATED. OPERABLE SECTIONS OF WINDOWS SHALL NOT PERMIT OPENINGS THAT ALLOW PASSAGE OF A 4-INCH-DIAMETER (102 MM) SPHERE WHERE SUCH OPENINGS ARE LOCATED WITHIN 24 INCHES (610 MM) OF THE FINISHED FLOOR. 5. R302.7 UNDER-STAIR PROTECTION. ENCLOSED ACCESSIBLE SPACE UNDER STAIRS SHALL HAVE WALLS, UNDER-STAIR

SURFACE AND ANY SOFFITS PROTECTED ON THE ENCLOSED SIDE WITH 1/2-INCH (12.7 MM) GYPSUM BOARD.

6. R806.1 VENTILATION REQUIRED. ENCLOSED ATTICS AND ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS SHALL HAVE CROSS VENTILATION FOR EACH SEPARATE SPACE BY VENTILATING OPENINGS PROTECTED AGAINST THE ENTRANCE OF RAIN OR SNOW. VENTILATION OPENINGS SHALL HAVE A LEAST DIMENSION OF 1/16 INCH (1.6 MM) MINIMUM AND 1/4 INCH (6.4 MM) MAXIMUM. VENTILATION OPENINGS HAVING A LEAST DIMENSION LARGER THAN 1/4 INCH (6.4 MM) SHALL BE PROVIDED WITH CORROSION—RESISTANT WIRE CLOTH SCREENING, HARDWARE CLOTH, OR SIMILAR MATERIAL WITH OPENINGS HAVING A LEAST DIMENSION OF 1/16 INCH (1.6 MM) MINIMUM AND 1/4 INCH (6.4 MM) MAXIMUM. OPENINGS IN ROOF FRAMING MEMBERS SHALL CONFORM TO THE REQUIREMENTS OF SECTION R802.7. REQUIRED VENTILATION OPENINGS SHALL OPEN DIRECTLY TO THE OUTSIDE AIR.

7. WOOD TO BE THIN SET ON APPROPRIATE BACKER BOARD.

8. GUTTERS AND DOWNSPOUTS AS REQUIRED 9. R702.3.8 WATER-RESISTANT GYPSUM BACKING BOARD.

GYPSUM BOARD USED AS THE BASE OR BACKER FOR ADHESIVE APPLICATION OF CERAMIC TILE OR OTHER REQUIRED NONABSORBENT FINISH MATERIAL SHALL CONFORM TO ASTM C 1396, C 1178 OR C1278. USE OF WATER-RESISTANT GYPSUM BACKING BOARD SHALL BE PERMITTED ON CEILINGS WHERE FRAMING SPACING DOES NOT EXCEED 12 INCHES (305 MM) ON CENTER FOR 1/2-INCH-THICK (12.7 MM) OR 16 INCHES (406 MM) FOR 5/8-INCH-THICK (16 MM) GYPSUM BOARD. WATER-RESISTANT GYPSUM BOARD SHALL NOT BE INSTALLED OVER A CLASS I OR II VAPOR RETARDER IN A SHOWER OR TUB COMPARTMENT. CUT OR EXPOSED EDGES, INCLUDING THOSE AT WALL INTERSECTIONS, SHALL BE SEALED AS RECOMMENDED BY THE MANUFACTURER.

R702.4.2 FIBER-CEMENT, FIBER-MAT REINFORCED CEMENTITIOUS BACKER UNITS, GLASS MAT GYPSUM BACKERS OR FIBER-REINFORCED GYPSUM BACKERS IN COMPLIANCE WITH ASTM C 1288, C 1325, C 1178 OR C 1278, RESPECTIVELY, AND INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS SHALL BE USED AS BACKERS FOR WALL TILE IN TUB AND SHOWER AREAS AND WALL PANELS IN SHOWER AREAS.

10. R602.3 DESIGN AND CONSTRUCTION. EXTERIOR WALLS OF WOOD-FRAME CONSTRUCTION SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF THIS CHAPTER AND FIGURES R602.3(1)

11. A LEVEL SERVICE SPACE A MIN. 30" DEEP AND 30" WIDE SHALL BE PRESENT ALONG ALL SIDES OF APPLIANCE(S) IN ATTIC WHERE ACCESS IS REQUIRED. PROVIDE AN UNOBSTRUCTED PASSAGEWAY LARGE ENOUGH TO ALLOW REMOVAL OF THE LARGEST APPLIANCE, BUT NOT LESS THAN 30" HIGH AND 22" WIDE AND NOT MORE THAN 20' IN LENGTH WHEN MEASURED ALONG THE CENTER LINE OF PASSAGEWAY FROM THE OPENING TO THE APPLIANCE. THE PASSAGEWAY SHALL HAVE CONTINUOUS SOLID FLOORING IN ACCORDANCE WITH R501.1 AND M130.5 OF IRC 2012.

12. EVERY DWELLING UNIT TO HAVE KITCHEN & BATHROOM WITH HOT & COLD RUNNING WATER.

13. EVERY DWELLING UNIT TO HAVE HEATING FACILITIES

14. CROSS VENTILATION AT ENCLOSED ATTICS

15. THE SIZE, HEIGHT AND SPACING OF STUDS SHALL BE IN ACCORDANCE WITH TABLE R602.3(5) IRC 2012 16. WATER HEATERS AND STORAGE TANKS SHALL BE INSTALLED IN ACCORDANCE WITH SECTION M1305 AND SHALL BE LOCATED AND CONNECTED TO PROVIDE ACCESS FOR OBSERVATION, MAINTENANCE, SERVICING AND REPLACEMENT.

17. R312.1.1 GUARDS SHALL BE LOCATED ALONG OPEN—SIDED WALKING SURFACES, INCLUDING STAIRS, RAMPS AND LANDINGS, THAT ARE LOCATED MORE THAN 30 INCHES (762 MM) MEASURED VERTICALLY TO THE FLOOR OR GRADE BELOW AT ANY POINT WITHIN 36 INCHES (914 MM) HORIZONTALLY TO THE EDGE OF THE OPEN SIDE. INSECT SCREENING SHALL NOT BE CONSIDERED AS A GUARD R312.1.2 HEIGHT.

REQUIRED GUARDS AT OPEN-SIDED WALKING SURFACES, INCLUDING STAIRS, PORCHES, BALCONIES OR LANDINGS, SHALL BE NOT LESS THAN 36 INCHES (914 MM) HIGH MEASURED VERTICALLY ABOVE THE ADJACENT WALKING SURFACE, ADJACENT FIXED SEATING OR THE LINE CONNECTING THE LEADING EDGES OF THE TREADS.

EXCEPTIONS: . GUARDS ON THE OPEN SIDES OF STAIRS SHALL HAVE A HEIGHT NOT LESS THAN 34 INCHES (864 MM) MEASURED VERTICALLY FROM A LINE CONNECTING THE LEADING EDGES OF THE TREADS. 2. WHERE THE TOP OF THE GUARD ALSO SERVES AS A HANDRAIL ON THE OPEN SIDES OF STAIRS, THE TOP OF THE GUARD SHALL NOT BE LESS THAN 34 INCHES (864 MM) AND NOT MORE THAN 38 INCHES (965 MM) MEASURED VERTICALLY FROM A LINE CONNECTING THE LEADING EDGES OF THE TREADS.

R312.1.3 OPENING LIMITATIONS REQUIRED GUARDS SHALL NOT HAVE OPENINGS FROM THE WALKING SURFACE TO THE REQUIRED GUARD HEIGHT WHICH ALLOW PASSAGE OF A SPHERE 4 INCHES (102 MM) IN DIAMETER.

18. KITCHEN SINK WITH DISPOSAL.

19. R602.10 WALL BRACING. BUILDINGS SHALL BE BRACED IN ACCORDANCE WITH THIS SECTION OR, WHEN APPLICABLE, SECTION R602.12. WHERE A BUILDING. OR PORTION THEREOF. DOES NOT COMPLY WITH ONE OR MORE OF THE BRACING REQUIREMENTS IN THIS SECTION, THOSE PORTIONS SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH SECTION

20. R602.11 WALL ANCHORAGE. BRACED WALL LINE SILLS SHALL BE ANCHORED TO CONCRETE OR MASONRY FOUNDATIONS IN ACCORDANCE WITH SECTIONS R403.1.6 AND R602.11.1

21. R302.11 FIREBLOCKING. IN COMBUSTIBLE CONSTRUCTION, FIREBLOCKING SHALL BE PROVIDED TO CUT OFF ALL CONCEALED DRAFT OPENINGS (BOTH VERTICAL AND HORIZONTAL) AND TO FORM AN EFFECTIVE FIRE BARRIER BETWEEN STORIES, AND BETWEEN A TOP STORY AND THE ROOF SPACE.

FIREBLOCKING SHALL BE PROVIDED IN WOOD-FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:

. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS, INCLUDING FURRED SPACES AND PARALLEL ROWS OF STUDS OR STAGGERED STUDS, AS FOLLOWS: 1.1. VERTICALLY AT THE CEILING AND FLOOR LEVELS.

1.2. HORIZONTALLY AT INTERVALS NOT EXCEEDING 10 FEET (3048 MM). 2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICÀL AND HÓRIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS AND COVE CEILINGS 3. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN. ENCLOSED SPACES UNDER

STAIRS SHALL COMPLY WITH SECTION R302.7. 4. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CABLES AND WIRES AT CEILING AND FLOOR LEVEL, WITH AN APPROVED MATERIAL TO RESIST THE FREE PASSAGE OF FLAME AND PRODUCTS OF COMBUSTION. THE MATERIAL FILLING THIS ANNULAR SPACE SHALL NOT BE REQUIRED TO MEET THE ASTM E 136 REQUIREMENTS.

5. FOR THE FIREBLOCKING OF CHIMNEYS AND FIREPLACES, SEE SECTION R1003.19. 6. FIREBLOCKING OF CORNICES OF A TWO-FAMILY DWELLING IS REQUIRED AT THE LINE OF DWELLING UNIT SEPARATION.

22. R310.1 EMERGENCY ESCAPE AND RESCUE REQUIRED. BASEMENTS, HABITABLE ATTICS AND EVERY SLEEPING ROOM SHALL HAVE AT LEAST ONE OPERABLE EMERGENCY ESCAPE AND RESCUE OPENING. WHERE BASEMENTS CONTAIN ONE OR MORE SLEEPING ROOMS, EMERGENCY EGRESS AND RESCUE OPENINGS SHALL BE REQUIRED IN EACH SLEEPING ROOM. WHERE EMERGENCY ESCAPE AND RESCUE OPENINGS ARE PROVIDED THEY SHALL HAVE A SILL HEIGHT OF NOT MORE THAN 44 INCHES (1118 MM) MEASURED FROM THE FINISHED FLOOR TO THE BOTTOM OF THE CLEAR OPENING. WHERE A DOOR OPENING HAVING A THRESHOLD BELOW THE ADJACENT GROUND ELEVATION SERVES AS AN EMERGENCY ESCAPE AND RESCUE OPENING AND IS PROVIDED WITH A BULKHEAD ENCLOSURE, THE BULKHEAD ENCLOSURE SHALL COMPLY WITH SECTION R310.3. THE NET CLEAR OPENING DIMENSIONS REQUIRED BY THIS SECTION SHALL BE OBTAINED BY THE NORMAL OPERATION OF THE EMERGENCY ESCAPE AND RESCUE OPENING FROM THE INSIDE. EMERGENCY ESCAPE AND

RESCUE OPENINGS WITH A FINISHED SILL HEIGHT BELOW THE ADJACENT GROUND ELEVATION SHALL BE PROVIDED WITH A WINDOW WELL IN ACCORDANCE WITH SECTION R310.2. EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL OPEN DIRECTLY INTO A PUBLIC WAY, OR TO A YARD OR COURT THAT OPENS TO A PUBLIC WAY.

EXCEPTION: BASEMENTS USED ONLY TO HOUSE MECHANICAL EQUIPMENT AND NOT EXCEEDING TOTAL FLOOR AREA OF 200 SQUARE FEET (18.58 M2). R310.1.1 MINIMUM OPENING AREA.

ALL EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5.7 SQUARE FEET (0.530 EXCEPTION: GRADE FLOOR OPENINGS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5 SQUARE FEET (0.465 M2).

R310.1.2 MINIMUM OPENING HEIGHT

THE MINIMUM NET CLEAR OPENING HEIGHT SHALL BE 24 INCHES (610 MM). R310.1.3 MINIMUM OPENING WIDTH.

THE MINIMUM NET CLEAR OPENING WIDTH SHALL BE 20 INCHES (508 MM).

R310.1.4 OPERATIONAL CONSTRAINTS. EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL BE OPERATIONAL FROM THE INSIDE OF THE ROOM WITHOUT THE USE OF KEYS, TOOLS OR SPECIAL KNOWLEDGE.

GENERALNOTES

R311.2 EGRESS DOOR AT LEAST ONE EGRESS DOOR SHALL BE PROVIDED FOR EACH DWELLING UNIT. THE EGRESS DOOR SHALL BE SIDE-HINGED, AND SHALL PROVIDE A MINIMUM CLEAR WIDTH OF 32 INCHES (813 MM) WHEN MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP, WITH THE DOOR OPEN 90 DEGREES (1.57 RAD). THE MINIMUM CLEAR HEIGHT OF THE DOOR OPENING SHALL NOT BE LESS THAN 78 INCHES (1981 MM) IN HEIGHT MEASURED FROM THE TOP OF THE THRESHOLD TO THE BOTTOM OF THE STOP. OTHER DOORS SHALL NOT BE REQUIRED TO COMPLY WITH THESE MINIMUM DIMENSIONS. EGRESS DOORS SHALL BE READILY OPENABLE FROM

R311.3 FLOORS AND LANDINGS AT EXTERIOR DOORS. THERE SHALL BE A LANDING OR FLOOR ON EACH SIDE OF EACH EXTERIOR DOOR. THE WIDTH OF EACH LANDING SHALL NOT BE LESS THAN THE DOOR SERVED. EVERY LANDING SHALL HAVE A MINIMUM DIMENSION OF 36 INCHES (914 MM) MEASURED IN THE DIRECTION OF TRAVEL. EXTERIOR LANDINGS SHALL BE PERMITTED TO HAVE A SLOPE NOT TO EXCEED 1/4 UNIT VERTICAL IN 12 UNITS HORIZONTAL (2-PERCENT).

29. R703.6.1 IATH 23. R314.2 SMOKE DETECTION SYSTEMS. ALL LATH AND LATH ATTACHMENTS SHALL BE OF CORROSION—RESISTANT MATERIALS. EXPANDED METAL OR WOVEN WIRE LATH HOUSEHOLD FIRE ALARM SYSTEMS INSTALLED IN ACCORDANCE WITH NFPA 72 THAT INCLUDE SMOKE ALARMS, OR A COMBINATION OF SMOKE DETECTOR AND AUDIBLE NOTIFICATION DEVICE INSTALLED AS REQUIRED BY THIS SECTION FOR SMOKE ALARMS, SHALL SHALL BE ATTACHED WITH 11/2-INCH-LONG (38 MM), 11 GAGE NAILS HAVING A 7/16-INCH (11.1 MM) HEAD, OR BE PERMITTED. THE HOUSEHOLD FIRE ALARM SYSTEM SHALL PROVIDE THE SAME LEVEL OF SMOKE DETECTION AND ALARM AS 7/8-INCH-LONG (22.2 MM), 16 GAGE STAPLES, SPACED AT NO MORE THAN 6 INCHES (152 MM), OR AS OTHERWISE REQUIRED BY THIS SECTION FOR SMOKE ALARMS. WHERE A HOUSEHOLD FIRE WARNING SYSTEM IS INSTALLED USING A APPROVED. COMBINATION OF SMOKE DETECTOR AND AUDIBLE NOTIFICATION DEVICE(S). IT SHALL BECOME A PERMANENT FIXTURE OF THE R703.6.2 PLASTER. PLASTERING WITH PORTLAND CEMENT PLASTER SHALL BE NOT LESS THAN THREE COATS WHEN APPLIED OVER METAL LATH OR OCCUPANCY AND OWNED BY THE HOMEOWNER. THE SYSTEM SHALL BE MONITORED BY AN APPROVED SUPERVISING STATION AND BE MAINTAINED IN ACCORDANCE WITH NFPA 72.

SMOKE ALARMS SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS: 1. IN EACH SLEEPING ROOM. 2. OUTSIDE EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS.

LEVEL PROVIDED THAT THE LOWER LEVEL IS LESS THAN ONE FULL STORY BELOW THE UPPER LEVEL. 24 R315 2 CARBON MONOXIDE DETECTION SYSTEMS

HOMEOWNER AND SHALL BE MONITORED BY AN APPROVED SUPERVISING STATION.

WITH SECTION 315.2 IS NOT REQUIRED.

R315.3 WHERE REQUIRED IN EXISTING DWELLINGS. WHERE WORK REQUIRING A PERMIT OCCURS IN EXISTING DWELLINGS THAT HAVE ATTACHED GARAGES OR IN EXISTING DWELLINGS WITHIN WHICH FUEL-FIRED APPLIANCES EXIST, CARBON MONOXIDE ALARMS SHALL BE PROVIDED IN ACCORDANCE WITH SECTION R315.1.

R315.4 ALARM REQUIREMENTS. SINGLE-STATION CARBON MONOXIDE ALARMS SHALL BE LISTED AS COMPLYING WITH UL 2034 AND SHALL BE INSTALLED IN ACCORDANCE WITH THIS CODE AND THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

25. R311.7 STAIRWAYS.

R.311.7.1 WIDTH STAIRWAYS SHALL NOT BE LESS THAN 36 INCHES (914 MM) IN CLEAR WIDTH AT ALL POINTS ABOVE THE PERMITTED HANDRAIL HEIGHT AND BELOW THE REQUIRED HEADROOM HEIGHT. HANDRAILS SHALL NOT PROJECT MORE THAN 4.5 INCHES (114 MM) ON EITHER SIDE OF THE STAIRWAY AND THE MINIMUM CLEAR WIDTH OF THE STAIRWAY AT AND BELOW THE HANDRAIL HEIGHT, INCLUDING TREADS AND LANDINGS, SHALL NOT BE LESS THAN 311/2 INCHES (787 MM) WHERE A HANDRAIL IS INSTALLED ON ONE SIDE AND 27 INCHES (698 MM) WHERE HANDRAILS ARE PROVIDED ON BOTH SIDES.

THE MINIMUM HEADROOM IN ALL PARTS OF THE STAIRWAY SHALL NOT BE LESS THAN 6 FEET 8 INCHES (2032 MM) MEASURED VERTICALLY FROM THE SLOPED LINE ADJOINING THE TREAD NOSING OR FROM THE FLOOR SURFACE OF THE LANDING OR PLATFORM ON THAT PORTION OF THE STAIRWAY.

R311.7.3 VERTICAL RISE. A FLIGHT OF STAIRS SHALL NOT HAVE A VERTICAL RISE LARGER THAN 12 FEET (3658 MM) BETWEEN FLOOR LEVELS OR LANDINGS R311.7.4 THE WALKLINE ACROSS WINDER TREADS SHALL BE CONCENTRIC TO THE CURVED DIRECTION OF TRAVEL THROUGH THE TURN AND LOCATED 12 INCHES (305 MM) FROM THE SIDE WHERE THE WINDERS ARE NARROWER. THE 12-INCH (305 MM) DIMENSION SHALL BE MEASURED FROM THE WIDEST POINT OF THE CLEAR STAIR WIDTH AT THE WALKING SURFACE OF THÉ WINDER. IF WINDERS ARE ADJACENT WITHIN THE FLIGHT, THE POINT OF THE WIDEST CLEAR STAIR WIDTH OF THE ADJACENT WINDERS SHALL BE USED. R311.7.5 STAIR TREADS AND RISERS SHALL MEET THE REQUIREMENTS OF THIS SECTION. FOR THE PURPOSES OF THIS SECTION ALL DIMENSIONS AND DIMENSIONED SURFACES SHALL BE EXCLUSIVE OF CARPETS, RUGS OR RUNNERS. R311.7.5.1 THE MAXIMUM RISER HEIGHT SHALL BE 73/4 INCHES (196 MM), THE RISER SHALL BE MEASURED VERTICALLY

BETWEEN LEADING EDGES OF THE ADJACENT TREADS. THE GREATEST RISER HEIGHT WITHIN ANY FLIGHT OF STAIRS SHALL NOT EXCEED THE SMALLEST BY MORE THAN 3/8 INCH (9.5 MM). RISERS SHALL BE VERTICAL OR SLOPED FROM THE UNDERSIDE OF THE NOSING OF THE TREAD ABOVE AT AN ANGLE NOT MORE THAN 30 DEGREES (0.51 RAD) FROM THE VERTICAL. OPEN RISERS ARE PERMITTED PROVIDED THAT THE OPENING BETWEEN TREADS DOES NOT PERMIT THE PASSAGE OF A 4-INCH-DIAMETER (102 3) CONTRACTOR SHALL COORDINATE THE NECESSARY ROUGH OPENING DIMENSIONS FOR MM) SPHERE.

BY MORE THAN 3/8 INCH (9.5 MM).

R311.7.5.2.1 WINDER TREADS SHALL HAVE A MINIMUM TREAD DEPTH OF 10 INCHES (254 MM) MEASURED BETWEEN THE VERTICAL PLANES OF THE FOREMOST PROJECTION OF ADJACENT TREADS AT THE INTERSECTIONS WITH THE WALKLINE. WINDER TREADS SHALL HAVE A MINIMUM TREAD DEPTH OF 6 INCHES (152 MM) AT ANY POINT WITHIN THE CLEAR WIDTH OF THE STAIR. WITHIN ANY FLIGHT OF STAIRS. THE LARGEST WINDER TREAD DEPTH AT THE WALKLINE SHALL NOT EXCEED THE SMALLE WINDER TREAD BY MORE THAN 3/8 INCH (9.5 MM). CONSISTENTLY SHAPED WINDERS AT THE WALKLINE SHALL BE ALLOWED WITHIN THE SAME FLIGHT OF STAIRS AS RECTANGULAR TREADS AND DO NOT HAVE TO BE WITHIN 3/8 INCH (9.5 MM) OF THE RECTANGULAR TREAD DEPTH

R311.7.5.3 NOSINGS. THE RADIUS OF CURVATURE AT THE NOSING SHALL BE NO GREATER THAN 9/16 INCH (14 MM). A NOSING NOT LESS THAN 3/4 INCH (19 MM) BUT NOT MORE THAN 11/4 INCHES (32 MM) SHALL BE PROVIDED ON STAIRWAYS WITH SOLID RISERS. THE GREATEST NOSING PROJECTION SHALL NOT EXCEED THE SMALLEST NOSING PROJECTION BY MORE THAN 3/8 INCH (9.5 MM) BETWEEN TWO STORIES, INCLUDING THE NOSING AT THE LEVEL OF FLOORS AND LANDINGS. BEVELING OF NOSINGS SHALL NOT EXCEED 1/2 INCH (12.7 MM).

R311.7.6 THERE SHALL BE A FLOOR OR LANDING AT THE TOP AND BOTTOM OF EACH STAIRWAY. THE MINIMUM WIDTH PERPENDICULAR TO THE DIRECTION OF TRAVEL SHALL BE NO LESS THAN THE WIDTH OF THE FLIGHT SERVED. LANDINGS OF SHAPES OTHER THAN SQUARE OR RECTANGULAR SHALL BE PERMITTED PROVIDED THE DEPTH AT THE WALK LINE AND THE TOTAL AREA IS NOT LESS THAN THAT OF A QUARTER CIRCLE WITH A RADIUS EQUAL TO THE REQUIRED LANDING WIDTH. WHERE THE STAIRWAY HAS A STRAIGHT RUN, THE MINIMUM DEPTH IN THE DIRECTION OF TRAVEL SHALL BE NOT LESS THAN 36 INCHES (914 MM).

R311.7.7 THE WALKING SURFACE OF TREADS AND LANDINGS OF STAIRWAYS SHALL BE SLOPED NO STEEPER THAN ONE UNIT VERTICAL IN 48 INCHES HORIZONTAL (2-PERCENT SLOPE). R311.7.8 HANDRAILS SHALL BE PROVIDED ON AT LEAST ONE SIDE OF EACH CONTINUOUS RUN OF TREADS OR FLIGHT WITH FOUR OR MORE RISERS. R311.7.8.1 HANDRAIL HEIGHT, MEASURED VERTICALLY FROM THE SLOPED PLANE ADJOINING THE TREAD NOSING, OR FINISH

R311.7.8.2 HANDRAILS FOR STAIRWAYS SHALL BE CONTINUOUS FOR THE FULL LENGTH OF THE FLIGHT. FROM A POINT DIRECTLY ABOVE THE TOP RISER OF THE FLIGHT TO A POINT DIRECTLY ABOVE THE LOWEST RISER OF THE FLIGHT. HANDRAIL ENDS SHALL BE RETURNED OR SHALL TERMINATE IN NEWEL POSTS OR SAFETY TERMINALS. HANDRAILS ADJACENT TO A WALL SHALL HAVE A SPACE OF NOT LESS THAN 11/2 INCH (38 MM) BETWEEN THE WALL AND THE HANDRAILS.

R311.7.8.3 GRIP-SIZE. ALL REQUIRED HANDRAILS SHALL BE OF ONE OF THE FOLLOWING TYPES OR PROVIDE EQUIVALENT GRASPABILITY. 1. TYPE I. HANDRAILS WITH A CIRCULAR CROSS SECTION SHALL HAVE AN OUTSIDE DIAMETER OF AT LEAST 11/4 INCHES (32

MM) AND NOT GREATER THAN 2 INCHES (51 MM). IF THE HANDRAIL IS NOT CIRCULAR, IT SHALL HAVE A PERIMETER DIMENSION OF AT LEAST 4 INCHES (102 MM) AND NOT GREATER THAN 61/4 INCHES (160 MM) WITH A MAXIMUM CROSS SECTION OF DIMENSION OF 21/4 INCHES (57 MM). EDGES SHALL HAVE A MINIMUM RADIUS OF 0.01 INCH (0.25 MM). 2. TYPE II. HANDRAILS WITH A PERIMETER GREATER THAN 61/4 INCHES (160 MM) SHALL HAVE A GRASPABLE FINGER RECESS AREA ON BOTH SIDES OF THE PROFILE. THE FINGER RECESS SHALL BEGIN WITHIN A DISTANCE OF 3/4 INCH (19 MM) MEASURED VERTICALLY FROM THE TALLEST PORTION OF THE PROFILE AND ACHIEVE A DEPTH OF AT LEAST 5/16 INCH (8 MM) WITHIN 7/8 INCH (22 MM) BELOW THE WIDEST PORTION OF THE PROFILE. THIS REQUIRED DEPTH SHALL CONTINUE FOR AT LEAST 3/8 INCH (10 MM) TO A LEVEL THAT IS NOT LESS THAN 13/4 INCHES (45 MM) BELOW THE TALLEST PORTION OF THE PROFILÉ. THE MINIMUM WIDTH OF THE HANDRAIL ABOVE THE RECESS SHALL BE 11/4 INCHES (32 MM) TO A MAXIMUM OF

23/4 INCHES (70 MM). EDGES SHALL HAVE A MINIMUM RADIUS OF 0.01 INCH (0.25 MM). R311.7.8.4 EXTERIOR WOOD/PLASTIC COMPOSITE HANDRAILS SHALL COMPLY WITH THE PROVISIONS OF SECTION R507.3.

R311.7.9 ILLUMINATION. ALL STAIRS SHALL BE PROVIDED WITH ILLUMINATION IN ACCORDANCE WITH SECTION R303.6. R311.7.10.1 SPIRAL STAIRWAYS ARE PERMITTED, PROVIDED THE MINIMUM CLEAR WIDTH AT AND BELOW THE HANDRAIL SHALL BE 26 INCHES (660 MM) WITH EACH TREAD HAVING A 71/2-INCH (190 MM) MINIMUM TREAD DEPTH AT 12 INCHES (914 MM)

FROM THE NARROWER EDGE. ALL TREADS SHALL BE IDENTICAL, AND THE RISE SHALL BE NO MORE THAN 91/2 INCHES (241 MM). A MINIMUM HEADROOM OF 6 FEET 6 INCHES (1982 MM) SHALL BE PROVIDED.

R311.7.10.2 BULKHEAD ENCLOSURE STAIRWAYS. STAIRWAYS SERVING BULKHEAD ENCLOSURES. NOT PART OF THE REQUIRED BUILDING EGRESS, PROVIDING ACCESS FROM THE OUTSIDE GRADE LEVEL TO THE BASEMENT SHALL BE EXEMPT FROM THE REQUIREMENTS OF SECTIONS R311.3 AND R311.7 WHERE THE MAXIMUM HEIGHT FROM THE BASEMENT FINISHED FLOOR LEVEL TO GRADE ADJACENT TO THE STAIRWAY DOES NOT EXCEED 8 FEET (2438 MM) AND THE GRADE LEVEL OPENING TO THE STAIRWAY IS COVERED BY A BULKHEAD ENCLOSURE WITH HINGED DOORS OR OTHER APPROVED MEANS.

26. INTERIOR WALL COVERING. R702.3.1 MATERIALS. ALL GYPSUM BOARD MATERIALS AND ACCESSORIES SHALL CONFORM TO ASTM C 22, C 475, C 514, C 1002, C 1047, C 1177, C 1178, C 1278, C 1396 OR C 1658 AND SHALL BE INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF THIS SECTION. ADHESIVES FOR THE INSTALLATION OF GYPSUM BOARD SHALL CONFORM TO ASTM C 557. R702.3.2 WOOD FRAMING.

WOOD FRAMING SUPPORTING GYPSUM BOARD SHALL NOT BE LESS THAN 2 INCHES (51 MM) NOMINAL THICKNESS IN THE LEAST DIMENSION EXCEPT THAT WOOD FURRING STRIPS NOT LESS THAN 1-INCH BY 2-INCH (25 MM BY 51 MM) NOMINAL DIMENSION MAY BE USED OVER SOLID BACKING OR FRAMING SPACED NOT MORE THAN 24 INCHES (610 MM) ON CENTER.

INSIDE THE DWELLING WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.

3. ON EACH ADDITIONAL STORY OF THE DWELLING, INCLUDING BASEMENTS AND HABITABLE ATTICS BUT NOT INCLUDING CRAWL SPACES AND UNINHABITABLE ATTICS. IN DWELLINGS OR DWELLING UNITS WITH SPLIT LEVELS AND WITHOUT AN INTERVENING DOOR BUT NOT EXTEND BELOW, LATH, PAPER AND SCREED. BETWEEN THE ADJACENT LEVELS, A SMOKE ALARM INSTALLED ON THE UPPER LEVEL SHALL SUFFICE FOR THE ADJACENT LOWER

CARBON MONOXIDE DETECTION SYSTEMS THAT INCLUDE CARBON MONOXIDE DETECTORS AND AUDIBLE NOTIFICATION APPLIANCES, INSTALLED AND MAINTAINED IN ACCORDANCE WITH THIS SECTION FOR CARBON MONOXIDE ALARMS AND NFPA 720, SHALL BE PERMITTED. THE CARBON MONOXIDE DETECTORS SHALL BE LISTED AS COMPLYING WITH UL 2075. WHERE A HOUSEHOLD CARBON MONOXIDE DETECTION SYSTEM IS INSTALLED, IT SHALL BECOME A PERMANENT FIXTURE OF THE OCCUPANCY, OWNED BY THE

EXCEPTION: WHERE CARBON MONOXIDE ALARMS ARE INSTALLED MEETING THE REQUIREMENTS OF SECTION R315.1, COMPLIANCE

R311.7.5.2 THE MINIMUM TREAD DEPTH SHALL BE 10 INCHES (254 MM). THE TREAD DEPTH SHALL BE MEASURED HORIZONTALLY BETWEEN THE VERTICAL PLANES OF THE FOREMOST PROJECTION OF ADJACENT TREADS AND AT A RIGHT ANGLE TO THE TREAD'S LEADING EDGE. THE GREATEST TREAD DEPTH WITHIN ANY FLIGHT OF STAIRS SHALL NOT EXCEED THE SMALLEST

SURFACE OF RAMP SLOPE, SHALL BE NOT LESS THAN 34 INCHES (864 MM) AND NOT MORE THAN 38 INCHES (965 MM).

27. R703.6 EXTERIOR PLASTER. INSTALLATION OF THESE MATERIALS SHALL BE IN COMPLIANCE WITH ASTM C 926 AND ASTM C 1063 AND THE PROVISIONS OF THIS CODE.

28. R807.1 ATTIC ACCESS. BUILDINGS WITH COMBUSTIBLE CEILING OR ROOF CONSTRUCTION SHALL HAVE AN ATTIC ACCESS OPENING TO ATTIC AREAS THAT HAVE A VERTICAL HEIGHT OF 30 INCHES (762 MM) OR GREATER OVER AN AREA OF NOT LESS THAN 30 SQUARE FEET. THE VERTICAL HEIGHT SHALL BE MEASURED FROM THE TÓP OF THE CEILING FRAMING MEMBERS OR ANY PERMANENT OBSTRUCTION TO THE UNDERSIDE OF THE ROOF FRAMING MEMBERS OR ANY PERMANENT OBSTRUCTION. THE ROUGH—FRAMED OPENING SHALL NOT BE LESS THAN 22 INCHES BY 30 INCHES (559 MM BY 762 MM) AND SHALL BE LOCATED IN A HALLWAY OR OTHER READILY ACCESSIBLE LOCATION. WHEN LOCATED IN A WALL, THE OPENING SHALL BE A MINIMUM OF 22 INCHES WIDE BY 30 INCHES HIGH (559 MM WIDE BY 762 MM HIGH). WHEN THE ACCESS IS LOCATED IN A CEILING, MINIMUM UNOBSTRUCTED HEADROOM IN THE ATTIC SPACE SHALL BE 30 INCHES (762 MM) AT SOME POINT ABOVE THE ACCESS MEASURED VERTICALLY FROM THE BOTTOM OF CEILING FRAMING MEMBERS. SEE SECTION M1305.1.3 FOR ACCESS REQUIREMENTS WHERE MECHANICAL EQUIPMENT IS LOCATED IN ATTICS.

WIRE LATH AND SHALL BE NOT LESS THAN TWO COATS WHEN APPLIED OVER MASONRY, CONCRETE, PRESSURE-PRESERVATIVE TREATED WOOD OR DECAY-RESISTANT WOOD AS SPECIFIED IN SECTION R317.1 OR GYPSUM BACKING. IF THE PLASTER SURFACE IS COMPLETELY COVERED BY VENEER OR OTHER FACING MATERIAL OR IS COMPLETELY CONCEALED, PLASTER APPLICATION NEED BE ONLY TWO COATS. PROVIDED THE TOTAL THICKNESS IS AS SET FORTH IN TABLE R702.1(1).

ON WOOD-FRAME CONSTRUCTION WITH AN ON-GRADE FLOOR SLAB SYSTEM, EXTERIOR PLASTER SHALL BE APPLIED TO COVER,

THE PROPORTION OF AGGREGATE TO CEMENTITIOUS MATERIALS SHALL BE AS SET FORTH IN TABLE R702.1(3). R703.6.2.1 WEEP SCREEDS.

A MINIMUM 0.019-INCH (0.5 MM) (NO. 26 GALVANIZED SHEET GAGE), CORROSION-RESISTANT WEEP SCREED OR PLASTIC WEEP SCREED. WITH A MINIMUM VERTICAL ATTACHMENT FLANGE OF 31/2 INCHES (89 MM) SHALL BE PROVIDED AT OR BELOW THE FOUNDATION PLATE LINE ON EXTERIOR STUD WALLS IN ACCORDANCE WITH ASTM C 926. THE WEEP SCREED SHALL BE PLACED A MINIMUM OF 4 INCHES (102 MM) ABOVE THE EARTH OR 2 INCHES (51 MM) ABOVE PAVED AREAS AND SHALL BE OF A TYPE THAT WILL ALLOW TRAPPED WATER TO DRAIN TO THE EXTERIOR OF THE BUILDING. THE WEATHER-RESISTANT BARRIER SHALL LAP THE ATTACHMENT FLANGE. THE EXTERIOR LATH SHALL COVER AND TERMINATE ON THE ATTACHMENT FLANGE OF THE WEEP R703.6.3 WATER-RESISTIVE BARRIERS.

WATER-RESISTIVE BARRIERS SHALL BE INSTALLED AS REQUIRED IN SECTION R703.2 AND, WHERE APPLIED OVER WOOD-BASED SHEATHING. SHALL INCLUDE A WATER-RESISTIVE VAPOR-PERMEABLE BARRIER WITH A PERFORMANCE AT LEAST EQUIVALENT TO TWO LAYERS OF GRADE D PAPER. THE INDIVIDUAL LAYERS SHALL BE INSTALLED INDEPENDENTLY SUCH THAT EACH LAYER PROVIDES A SEPARATE CONTINUOUS PLANE AND ANY FLASHING (INSTALLED IN ACCORDANCE WITH SECTION R703.8) INTENDED TO DRAIN TO THE WATER-RESISTIVE BARRIER IS DIRECTED BETWEEN THE LAYERS.

R703.7.4.1.1 VENEER TIES AROUND WALL OPENINGS.

ADDITIONAL METAL TIES SHALL BE PROVIDED AROUND ALL WALL OPENINGS GREATER THAN 16 INCHES (406 MM) IN EITHER DIMENSION. METAL TIES AROUND THE PERIMETER OF OPENINGS SHALL BE SPACED NOT MORE THAN 3 FEET (9144 MM) ON CENTER AND PLACED WITHIN 12 INCHES (305 MM) OF THE WALL OPENING. R703.7.4.2 GROUT FILL

AS AN ALTERNATIVE TO THE AIR SPACE REQUIRED BY TABLE R703.7.4, GROUT SHALL BE PERMITTED TO FILL THE AIR SPACE. WHEN THE AIR SPACE IS FILLED WITH GROUT, A WATER-RESISTIVE BARRIER IS REQUIRED OVER STUDS OR SHEATHING. WHEN FILLING THE AIR SPACE. REPLACING THE SHEATHING AND WATER-RESISTIVE BARRIER WITH A WIRE MESH AND APPROVED WATER-RESISTIVE BARRIER OR AN APPROVED WATER-RESISTIVE BARRIER-BACKED REINFORCEMENT ATTACHED DIRECTLY TO THE STUDS IS PERMITTED. R703.7.5 FLASHING.

FLASHING SHALL BE LOCATED BENEATH THE FIRST COURSE OF MASONRY ABOVE FINISHED GROUND LEVEL ABOVE THE FOUNDATION WALL OR SLAB AND AT OTHER POINTS OF SUPPORT, INCLUDING STRUCTURAL FLOORS, SHELF ANGLES AND LINTELS WHEN MASONRY VENEERS ARE DESIGNED IN ACCORDANCE WITH SECTION R703.7. SEE SECTION R703.8 FOR ADDITIONAL REQUIREMENTS. R703.7.6 WEEPHOLES.

WEEPHOLES SHALL BE PROVIDED IN THE OUTSIDE WYTHE OF MASONRY WALLS AT A MAXIMUM SPACING OF 33 INCHES (838 MM) ON CENTER. WEEPHOLES SHALL NOT BE LESS THAN 3/16 INCH (5 MM) IN DIAMETER. WEEPHOLES SHALL BE LOCATED IMMEDIATELY ABOVE THE FLASHING.

WINDOW AND DOOR NOTES:

- 1) CONTRACTOR SHALL REVIEW ALL DOOR AND WINDOW TRIM AND INSTALLATION DETAILS AND CONDITIONS PRIOR TO ROUGH FRAMING AND CUTTING OPENING.
- 2) CONTRACTOR SHALL NOTIFY AN DESIGN DESIGN LLC OF ANY FIELD CONDITIONS THAT DO NOT PERMIT THE INSTALLATION OF ANY DOOR OR WINDOW UNIT DUE TO ANY CONFLICTS.
- THE SPECIFIC WALL ASSEMBLY AND THE DOOR AND WINDOW UNIT FOR INSTALLATION.
- 4) ALL GLAZING SHALL BE 5/8 INCH THICK INSULATED WITH MULTI-LAYER LOW-E COATED GLAZE.
- 5) CONTRACTOR SHALL COORDINATE INSTALLATION OF FINISH HARDWARE WITH DOOR MANUFACTURER
- 6) ALL GLASS AND GLAZING SHALL CONFORM TO ALL APPLICABLE CODES

<u>TRUSS_SPECIFICATIONS:</u>

- A. INSTALLING, SECURING, BRACING ETC., OF TRUSSES AS PER "TCPIA". 3. ALL TRUSS SHOP DRAWINGS AND LAYOUTS TO BE APPROVED BY ENGINEER OF RECORD.
- MANUFACTURER'S NAME SHALL BE VISIBLE ON EACH TRUSS FABRICATED TRUSSES IN JIGS WITH MEMBERS ACCURATELY CUT TO PROVIDE FULL
- CONTACT AT JOINTS E. TRUSS FABRICATOR SHALL HAVE HIS PLANT INSPECTED FOUR TIMES PER YEAR BY AN
- INDEPENDENT TESTING LABORATORY IN ACCORDANCE WITH TPI REGULATIONS AND COPIES OF INSPECTIONS MADE AVAILABLE TO OWNERS UPON REQUEST.

<u>ONE MASONRY WALLS</u>

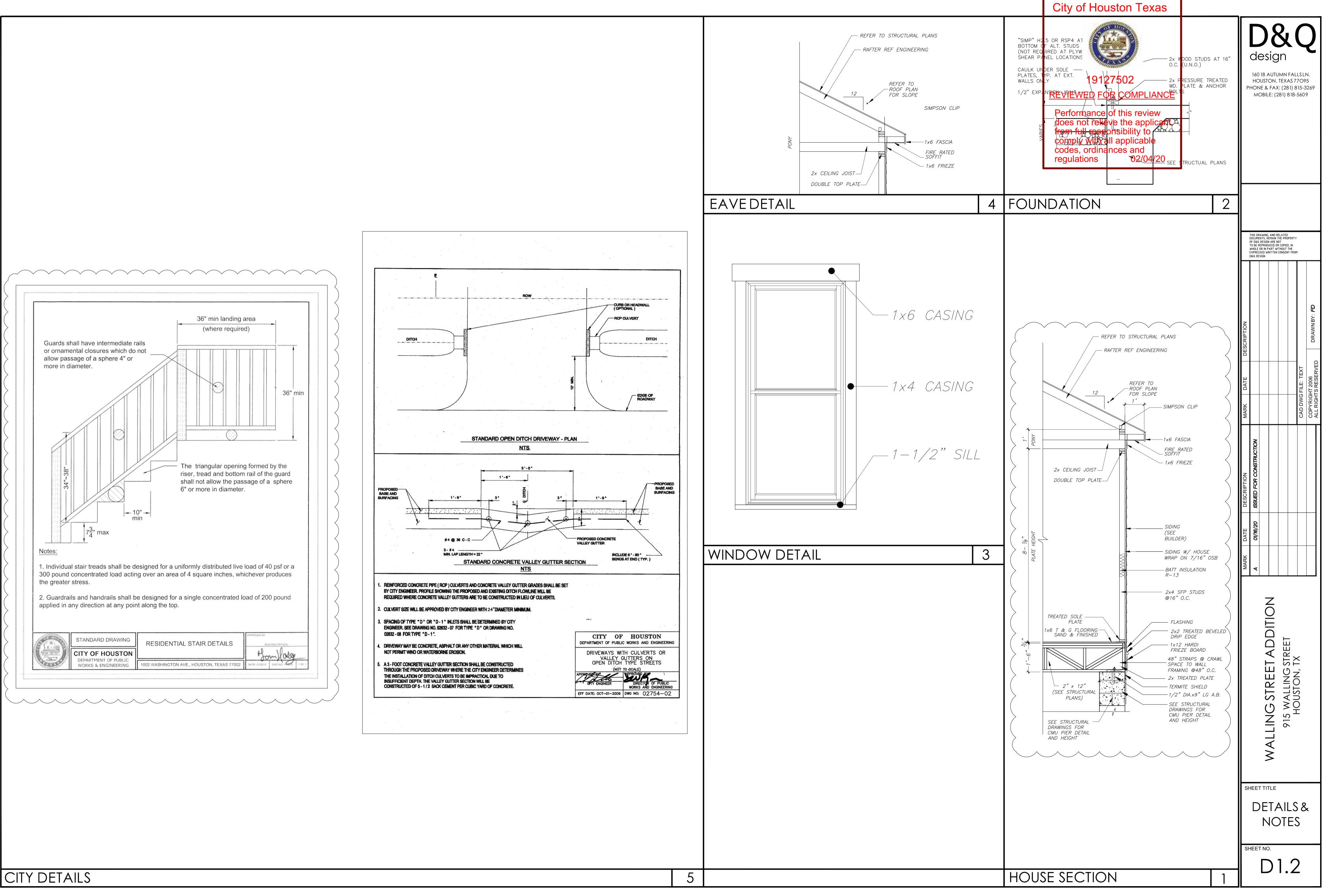
VENEER TIES SHALL NOT BE LESS THAN NO.9 GAGE WIRE AND SHALL HAVE A HOOK EMBEDDED IN THE MORTAR JOINT. EACH TIE SHALL BE SPACED NOT MORE THAN 24 IN. O.C. HORIZONTALLY AND VERTICALLY AND SHALL SUPPORT NOT MORE THAN 2.67 SOFT OF WALL ARFA. B. THE VENEER SHALL BE SEPARATED FROM THE SHEATHING BY AIR SPACE OF MINIMUM 1 IN. AND NO MORE THAN 4 IN. C. WEEPHOLES SHALL BE PROVIDED AT MAXIMUM SPACING OF 33 IN. SHOULD NOT BE LESS THAN 3/16 IN. IN DIAMETER AND SHALL BE LOCATED ABOVE THE FLASHING

UCCO WALLS

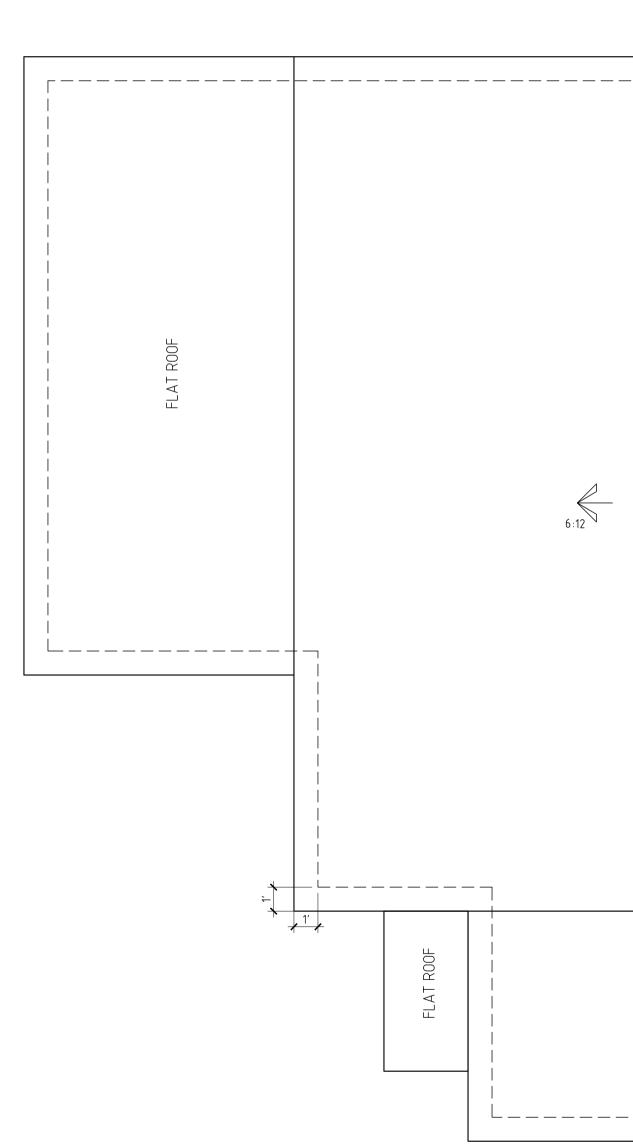
A. WEEP SCREEDS. A MINIMUM OF NO. 26 GALVANIZED SHEET GAGE, CORROSION-RESISTANT WEEP SCREEDS, WITH A MINIMUM VERTICAL ATTACHMENT FLANGE OF 3 1/2 IN. SHALL BE PROVIDED AT OR BELOW THE FOUNDATION PLATE LINE ON EXTERIOR STUDS WALL. THE WEEP SCREED SHALL BE PLACE A MINIMUM OF 4 INCHES ABOVE THE EARTH OR 2 INCHES ABOVE PAVED AREAS AND SHALL BE OF A TYPE THAT WILL ALLOW TRAPPED WATER TO DRAIN TO THE EXTERIOR OF THE BUILDING. THE WEATHER RESISTANCE BARRIER SHALL LAP THE ATTACHMENT FLANGE OF THE WEEP SCREED.

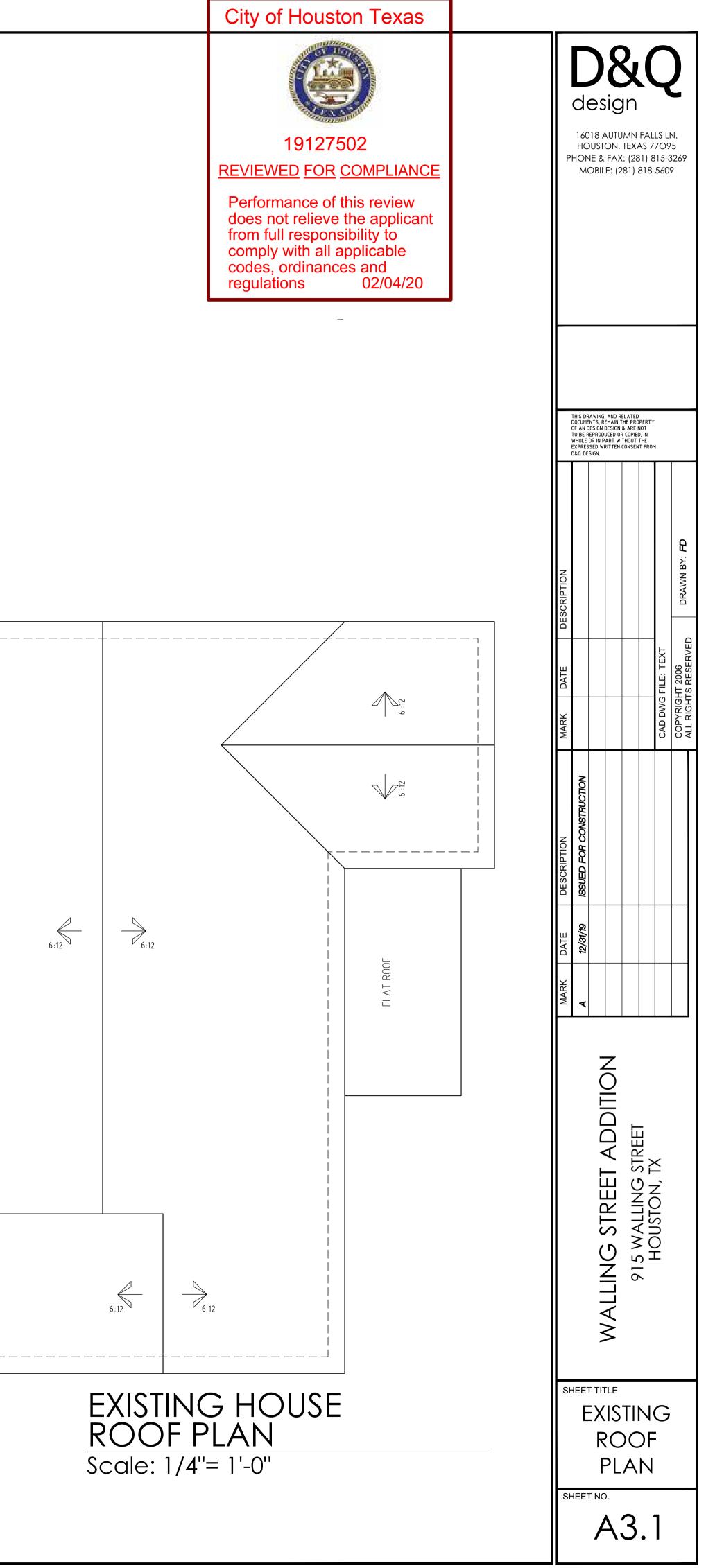
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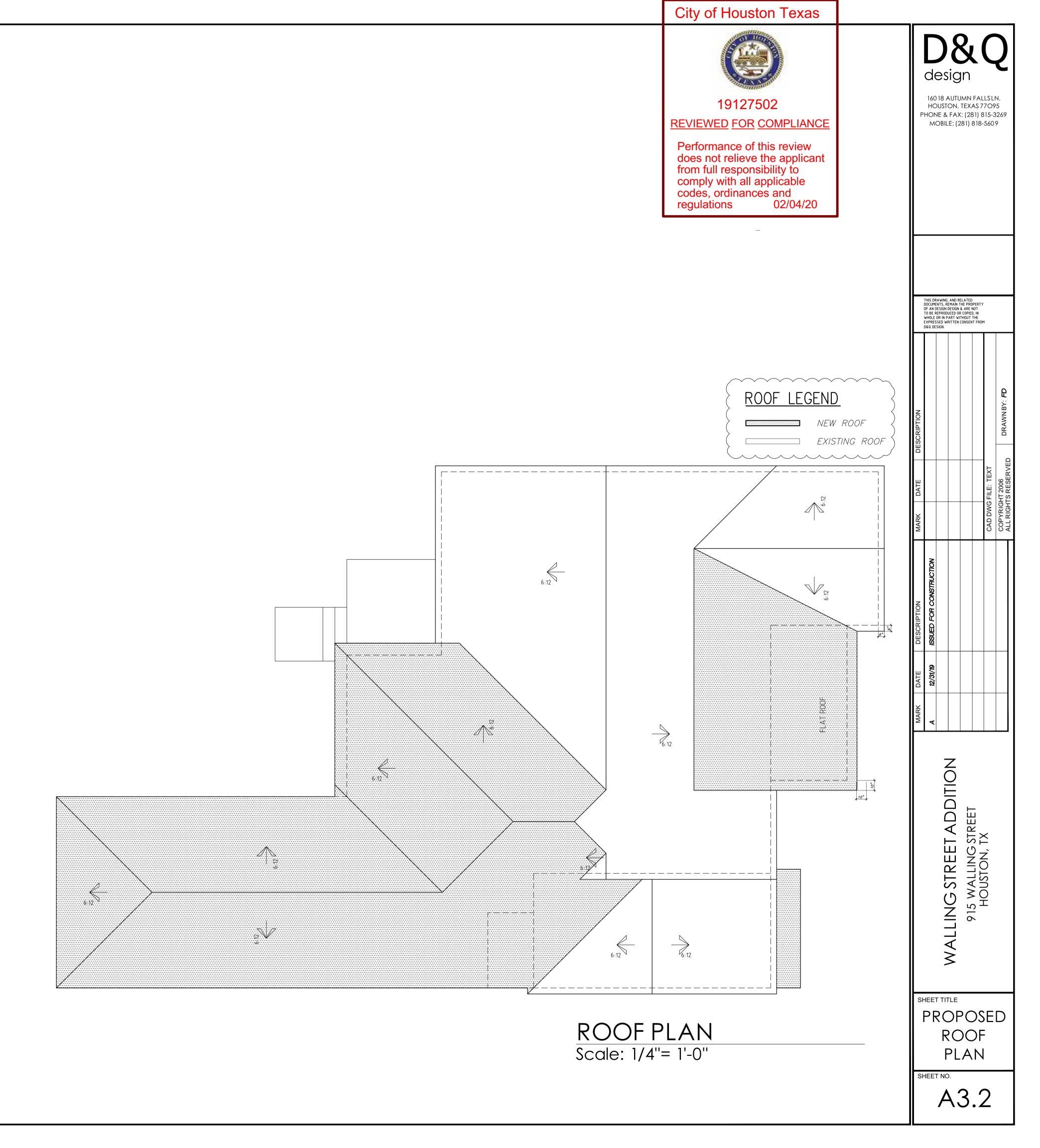




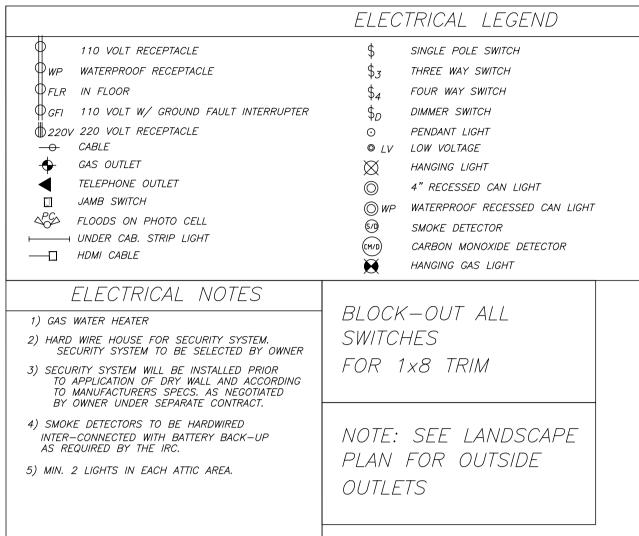


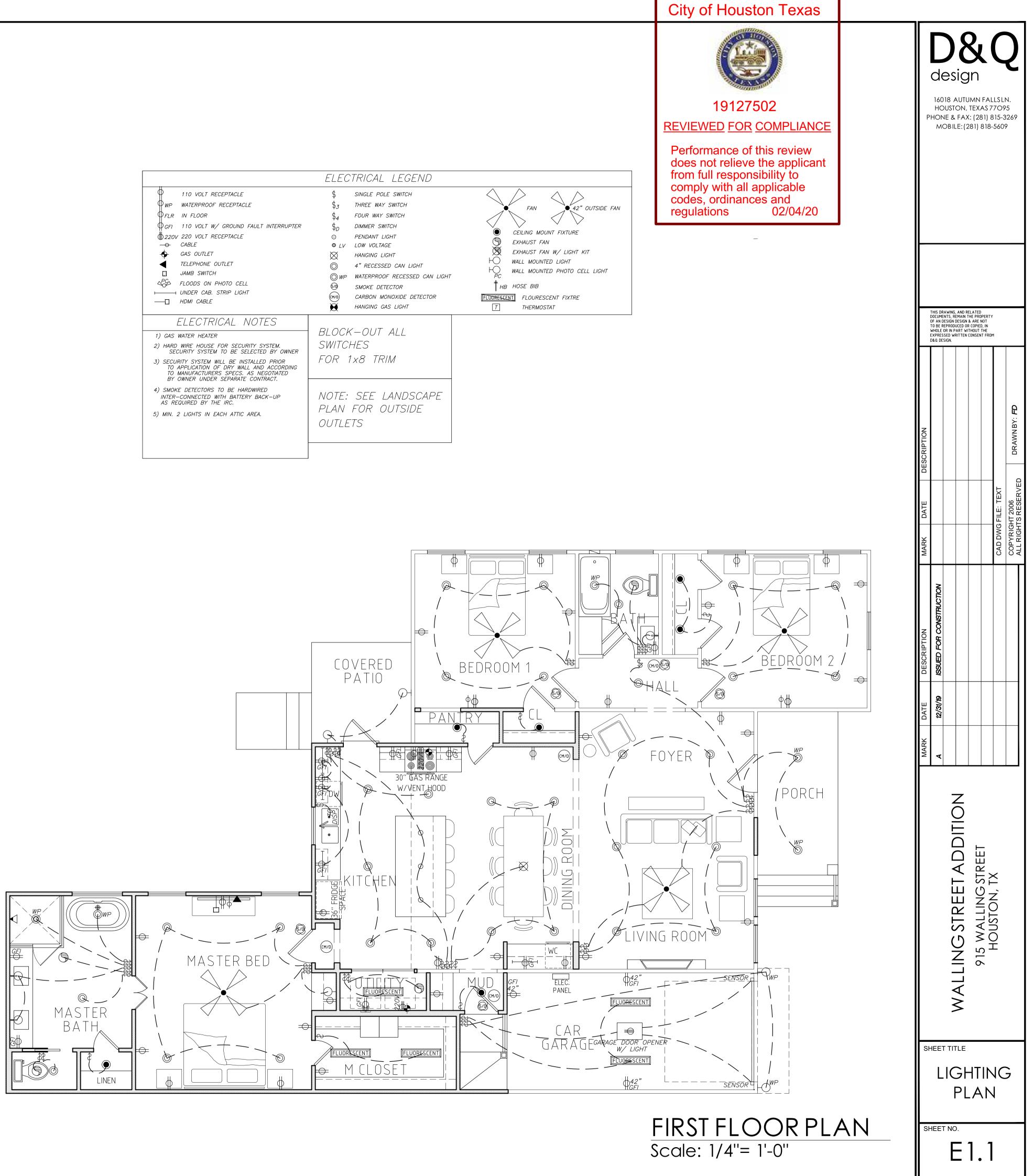


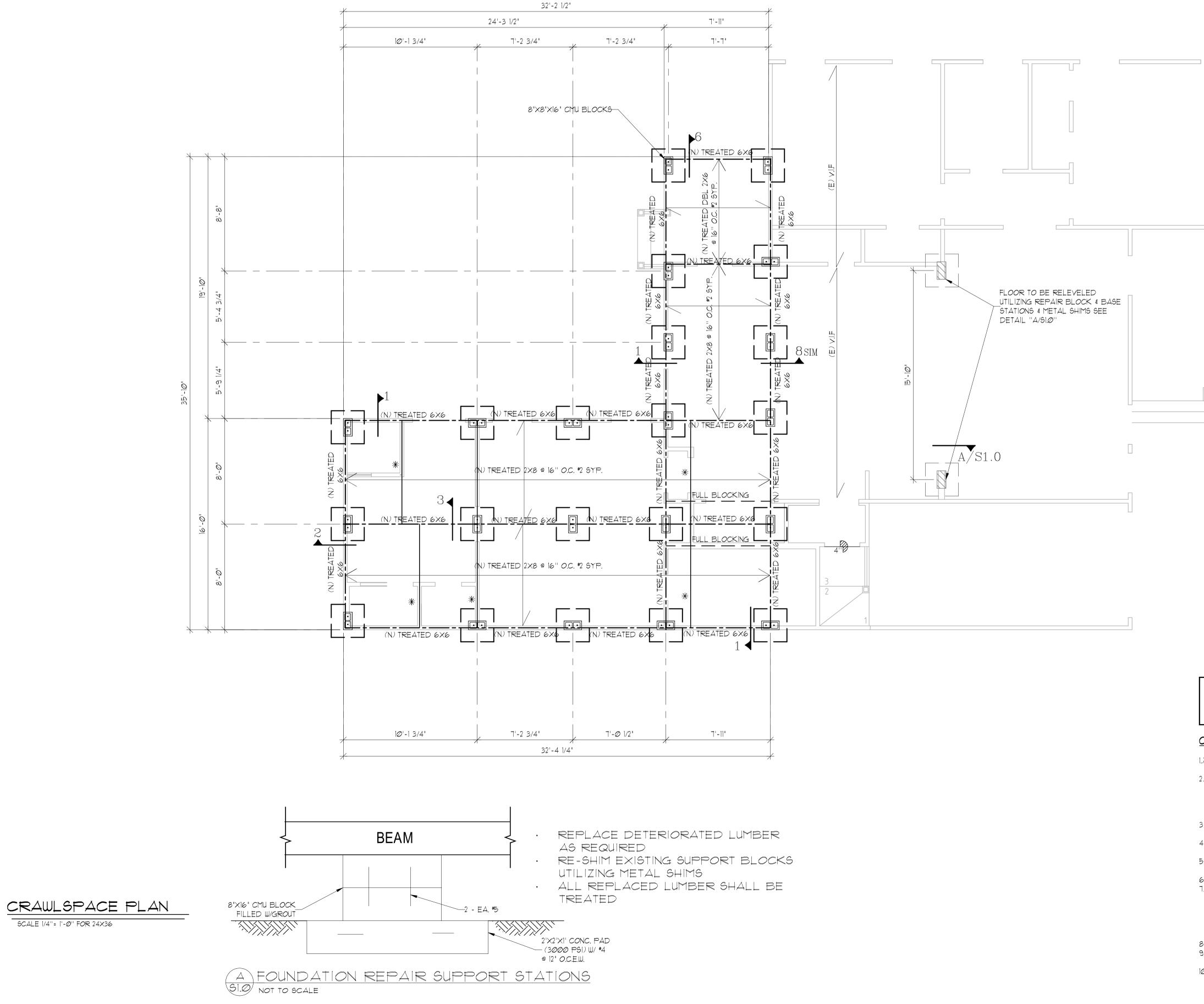












REPLACE ALL DETERIORATED LUMBER WITH TREATED LUMBER OF SAME SIZE/SPECIES



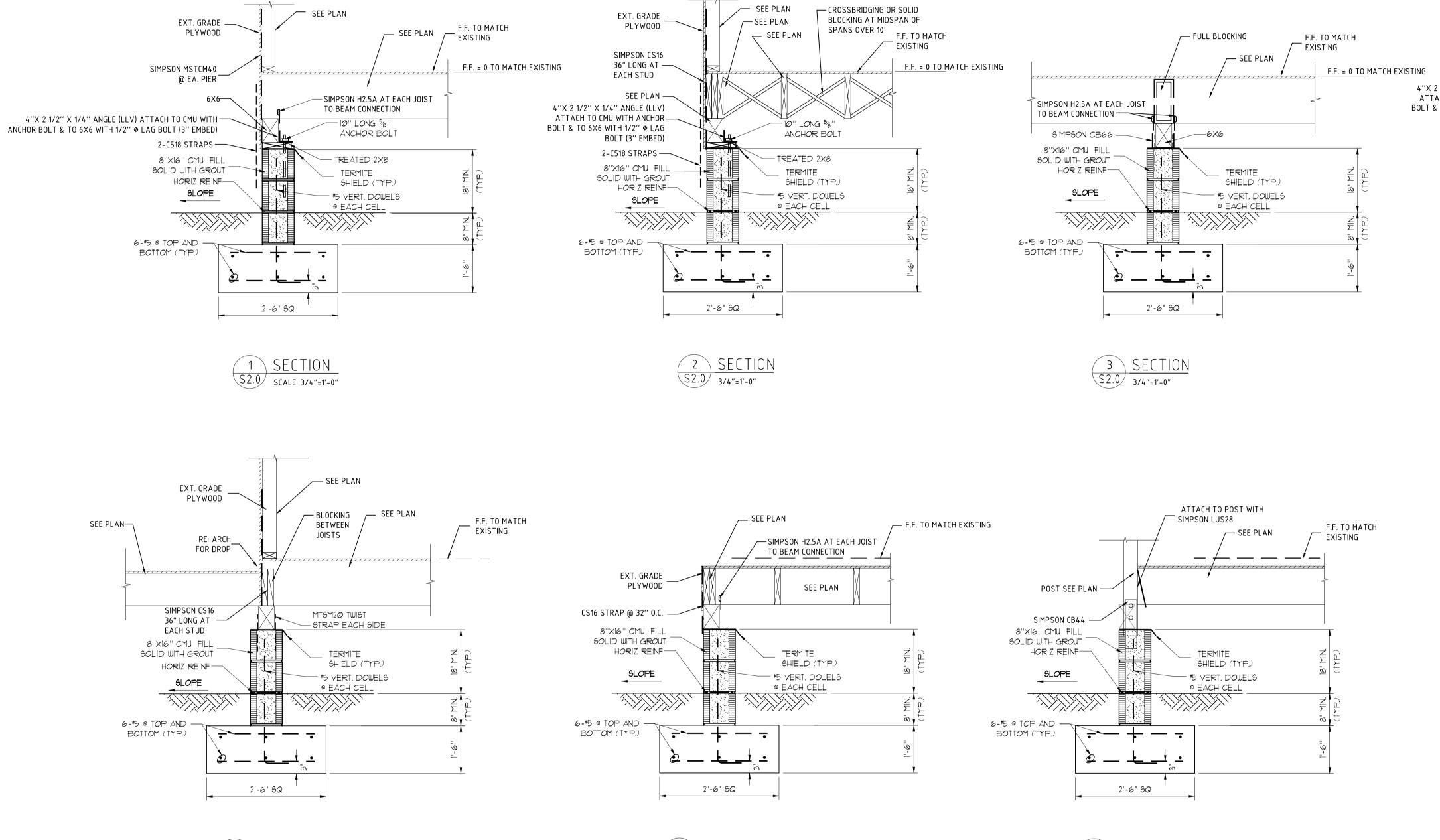
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CRAWL SPACE NOTES:

- 1.) BUILDER MUST VERIFY ALL PONY WALL LOCATIONS, RAISE, DROPS, INSERTS, AND BLOCKOUTS & INSURE DIMENSIONS AGREE WITH ARCHITECTURAL PLANS AND SPECIFICATIONS.
- 2) DUE TO DIMENSIONAL DISCREPANCIES AND/OR OMISSIONS IN ARCHITECTURAL DRAWINGS, SOME DIMENSIONS MAY NOT AGREE WITH FLOOR PLAN, BUILDER SHALL BE RESPONSIBLE FOR FINAL VERIFICATION OF ALL DIMENSIONS, IF IT IS DETERMINED THAT ANY DIMENSIONS ON THIS FOUNDATION DO NOT CONFORM WITH THE ARCHITECTURAL PLAN, THEN BEC ENGINEERS & CONSULTANTS SHOULD BE NOTIFIED AND ALLOWED TO REVIEW THE DRAWING AND MAKE REVISIONS AS REQUIRED.
- 3) SOLID BLOCKING REQUIRED BELOW ALL FIRST FLOOR WALLS, WHICH RUN PERPENDICULAR TO FLOOR JOIST SPAN.
- 4) BEAR ALL BEAMS ON MULTIPLE WALL STUDS GLUED AND NAILED TO ACT AS A SINGLE UNIT. NUMBER OF STUDS AT EACH END MUST EQUAL BEAM WIDTH U.N.O.
- 5) ALL MULTIPLE STUD SUPPORT COLUMNS SHOULD BE CONTINUOUS OR BE CONTINUOUSLY SUPPORTED FROM SUPPORTED MEMBERS, THROUGH THE WALL SYSTEM, TO THE FOUNDATION SYSTEM.
- 6) TERMITE AND INSECT SHIELD PROTECTION AS PER CODE REQUIREMENTS. 1) = SPAN DIRECTION
 - = FIRST FLOOR ABOVE
- = DENOTES FOUNDATION LEVEL FRAMING (CRAWL SPACE) AREA #2 SYP 2X12 @ 16" O.C. & USE TREATED #2 SYP JOISTS IN PORCH AREA U.N.O. = DOUBLE UNDER WALL ABOVE (U.W.A.) 9) SEE SHEET S2.0 FOR CRAWLSPACE DETAILS

8)

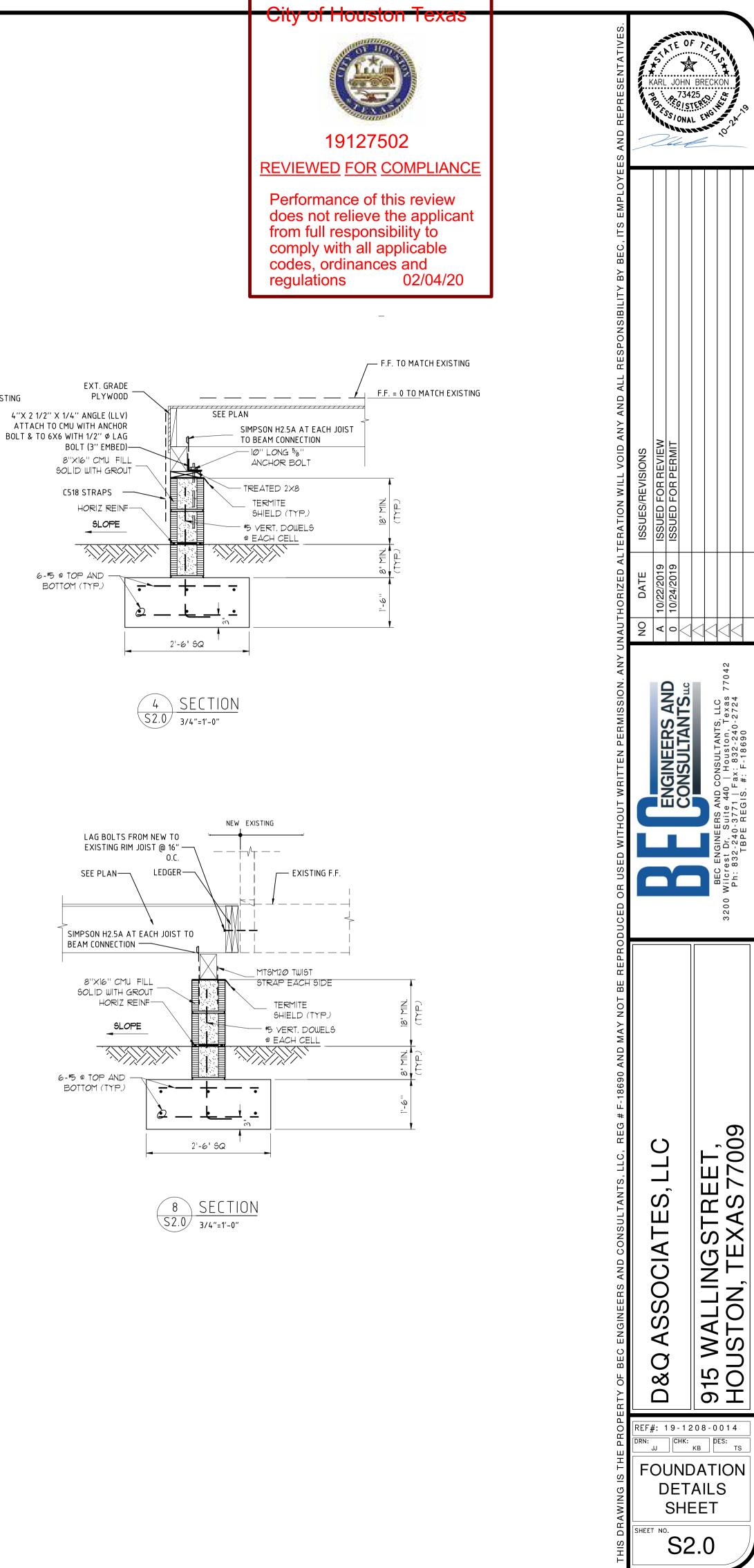
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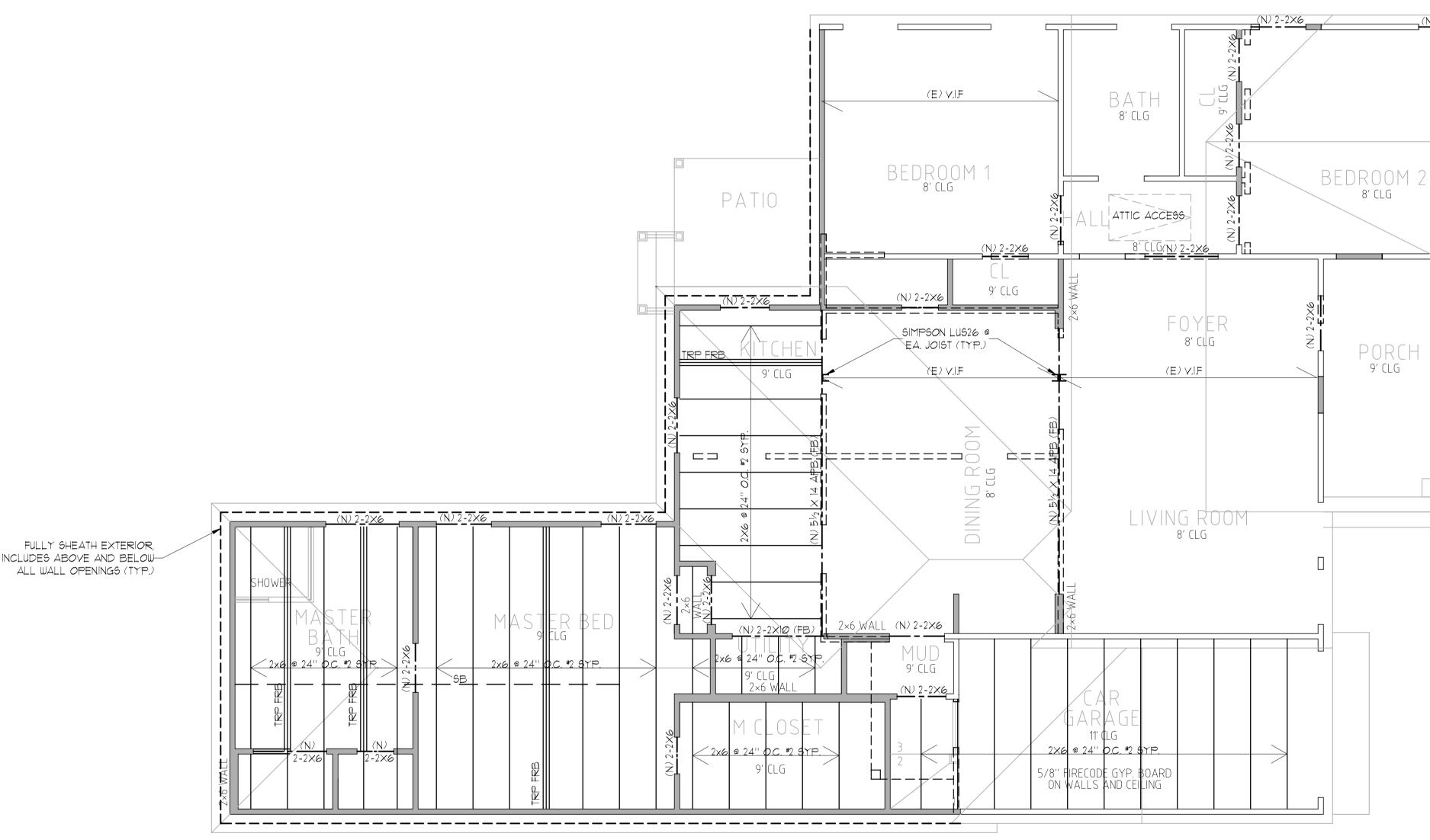




6 SECTION S2.0 3/4"=1'-0"

7 SECTION S2.0 3/4"=1'-0"

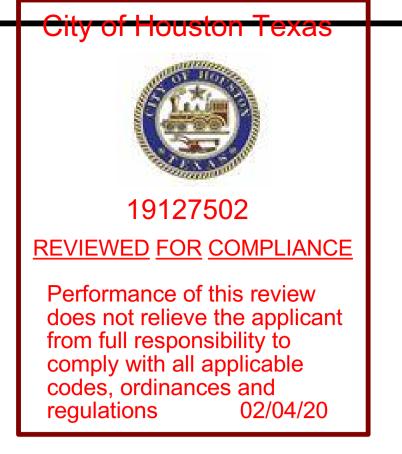




FIRST LEVEL CEILING FRAMING PLAN

SCALE 1/4"= 1'-0" FOR 24×36

LEGEND	DIMENSIONS WITH EXISTING CONDITIONS.
= EXISTING WALL TO REMAIN = EXISTING WALL TO BE REMOVED* = NEW WALL = BRICK VENEER	TEMPORARY BRACING REQUIRED PRIOR TO REMOVAL OF ALL LOAD BEARING WALLS
 = NEW BEAMS = ASSUMED SPAN DIRECTION (N) = NEW STRUCTURAL FRAMING (E) = EXISTING STRUCTURAL FRAMING 	CONTRACTOR NOTE: CONTRACTOR SHALL KEEP AND/OR RESTORE ALL EXISTING PURLINS AND BRACES TO THE NEAREST EXISTING BEAM OR LOAD BEARING WALL OR NEW BEAM

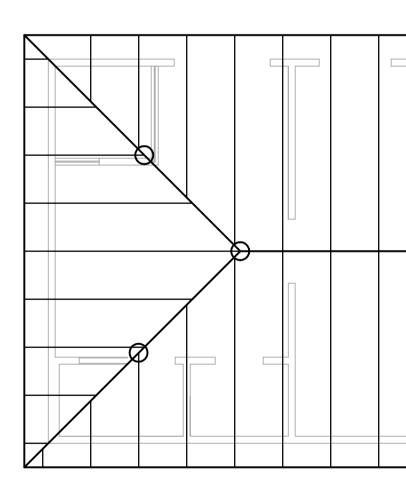




FIRST LEVEL NOTES:

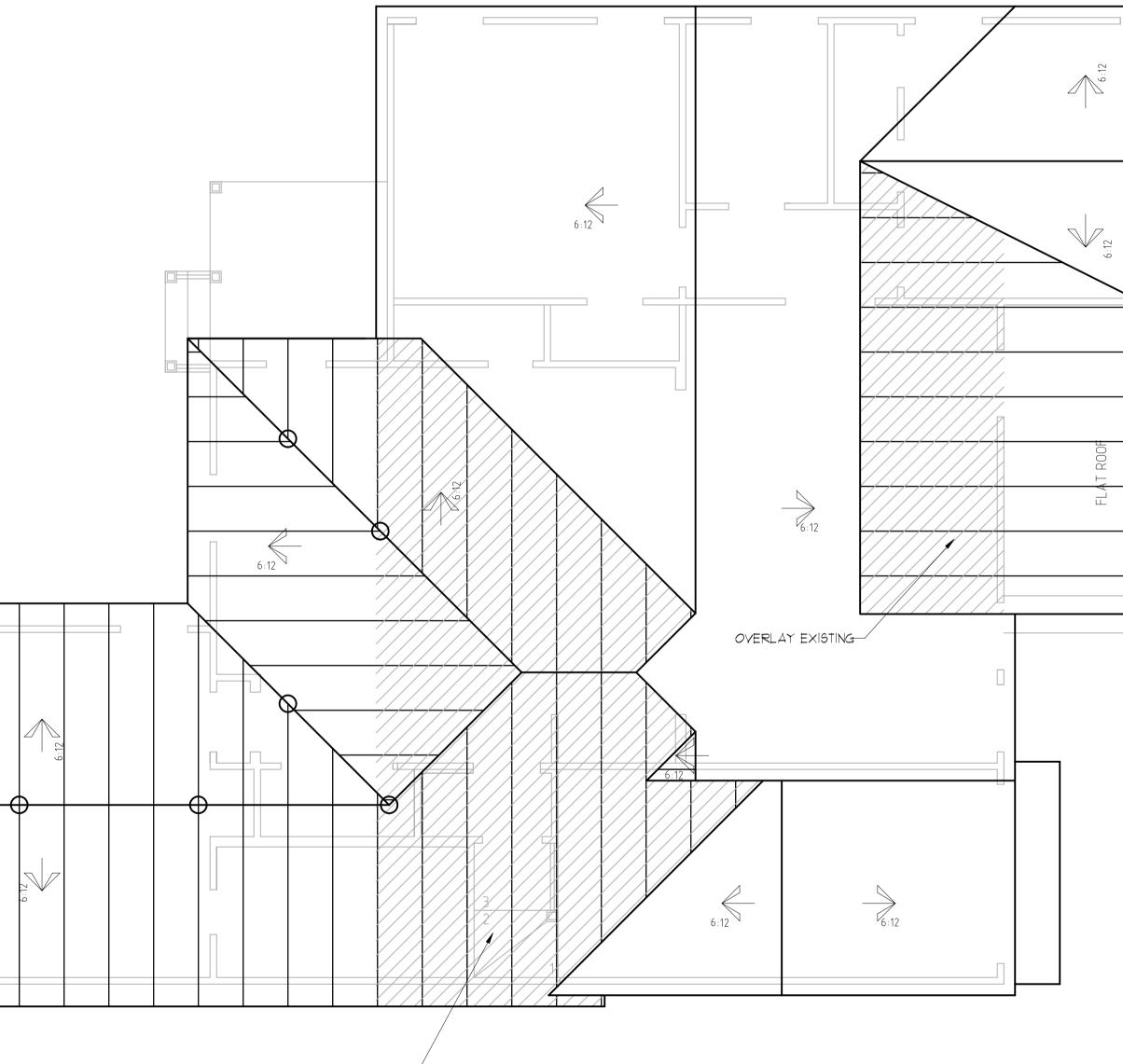
- 1.) ALL ROOF LEVEL CEILING JOISTS ARE TO BE #2 SYP. U.N.O. ALL ROOF LEVEL CEILING JOISTS ARE TO BE 2 X 6'5 @ 24'' O.C. U.N.O. (MAX. SPAN = 12'-Ø'')
- 2.) ALL ANTHONY POWER BEAMS ARE AS MANUFACTURED BY ANTHONY FOREST PRODUCTS CO. EQUIVALENT PRODUCT MAY BE SUBSTITUTED WITH ENGINEER'S APPROVAL.
- 3.) REFER TO SHEET \$4.0 AND \$4.1 FOR WINDSTORM HOLD DOWN AND SHEAR WALL LOCATIONS AND DETAILS
- ALL EXTERIOR WALLS ARE TO BE SHEATHED WITH 1/2" PLYWOOD, INTERIOR WALLS TO BE SHEATHED ARE INDICATED BY A DASHED LINE WITH 'SW':_ __ _ OR_ $__{\text{SW}}$ _REF. SHEARWALL DIAGRAMS, DETAILS, AND NOTES ON DETAIL SHEET FOR NAILING PATTERN, ETC. OSB BOARD WITH EQUIVALENT STRUCTURAL PROPERTIES MAY BE SUBSTITUTED WITH ENGINEER'S APPROVAL.
- 4.) BEAR ALL BEAMS ON MULTIPLE WALL STUDS GLUED AND NAILED TO ACT AS A SINGLE UNIT. NUMBER OF STUDS AT EACH END MUST EQUAL BEAM WIDTH UNLESS NOTED OTHERWISE.
- 5.) ALL "BEAMS" TO BE FLUSH WHERE REQUIRED TO MAINTAIN PROPER CEILING LINE. IF CONDITIONS ALLOW, BEAM MAY BE DROPPED FOR BOTTOM CHORD BEARING TRUSS.
- 6.) ALL EXTERIOR WALLS ARE 2×4 OR 2×6 STUDS @ 16'' O.C. U.N.O. ٦.) ALL FIRST FLOOR INTERIOR WALL STUDS ARE A MINIMUM OF 2 \times 4'5 @ 16'' 0.C. U.N.O.
- 8.) ALL FIRST FLOOR HEADERS ARE 2 2 × 12 #2 SYP, OR 3-2 × 12 FOR 2×6
- WALLS, U. N. O. (USE 1/2" PLYWOOD SPACER BETWEEN MEMBERS.) SOLID BLOCKING REQUIRED BELOW ALL SECOND FLOOR WALLS WHICH 9,) RUN PERPENDICULAR TO FLOOR JOIST SPAN.
- 10.) ALL OPEN WEB FLOOR TRUSSES (DESIGN BY MANUFACTURE) DESIGN FOR LIVE LOAD OF 40 PSF, PLUS WALL LOAD: DL=200 PLF LL=100 PLF U.N.O. = POINT LOADS (KIPS)
- II.) NO TRUSS OR BEAM ALLOWED AT CENTER LINE OF TUB OR TOILET OR SHOWER DRAINS
- 12.) ABBREVIATIONS:
 - TRP = TRIPLE
 - FRB = FOR ROOF BRACE
 - (FB) = FLUSH BEAM
 - (DB) = DROP BEAM
 - PLF = POUNDS PER LINEAR FOOT
 - T.C.B. = TOP CHORD BEARING
- B.O.B = BOTTOM OF BEAM T.O.B = TOP OF BEAM B.O.J = BOTTOM OF JOIST T.O.J = TOP OF JOIST U.W.A. = UNDER WALL ABOVE U.N.O. = UNLESS NOTED OTHERWISE
- \Rightarrow 73425 UED FOR UED FOR ISSI S AND NTSuc 22 ЕТ, 7009 LLC STREI EXAS 7 Ś Ш Н 915 WALLINGS HOUSTON, TE> SSOCIA⁻ A Q ∞ \square REF#: 19-1208-0014 DRN: JJ CHK: DES: KB TS **1ST FLOOR** FRAMING PLAN SHEET NO. S3.0

FIELD VERIFY ALL

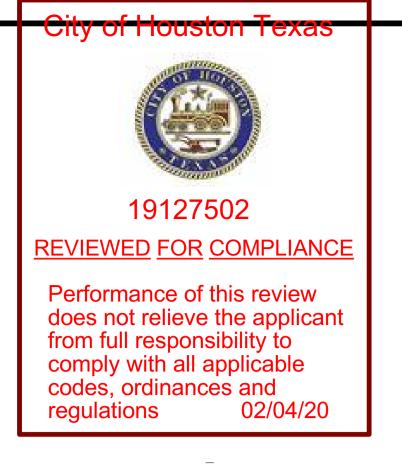


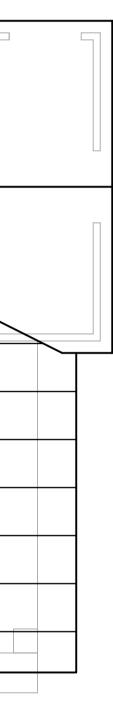


SCALE 1/4"= 1'-Ø" FOR 24×36



OVERLAY EXISTING-/





ROOF LEVEL NOTES:

- ALL FRAMING TO BE #2 SYP. UNLESS NOTED OTHERWISE.
 ALL RAFTERS TO BE 2×6 @ 24" O.C., U.N.O. MAXIMUM SPAN
- 10'-1". 3.) ALL HIP, VALLEY AND RIDGE MEMBERS ARE TO BE #2 SYP, ONE NOMINAL SIZE LARGER THAN THE SUPPORTED MEMBERS, U.N.O.
- 4.) SEE ARCHITECTURAL DRAWINGS FOR ROOF PITCH AND PLATE HEIGHTS.
- 5.) DO NOT BRACE ROOF FRAMING DIRECTLY TO CEILING JOISTS U.N.O. ON PLAN.
 6.) ATTACH RAFTERS TO TOP PLATES WITH SIMPSON HI OR
- H2.5 HURRICANE TIES AT EVERY OTHER ROOF RAFTER U.N.O.
- 1.) ALL ROOF DECKING TO BE 1/2" CDX PLYWOOD OR AFPA RATED EQUAL SHEATHING. STANDARD NAILING WITH 8d NAILS SHOULD BE 6" O.C. AT PLYWOOD EDGES AND 10" O.C. AT INTERIOR SUPPORTS. AROUND ROOF PERIMETER AND ROOF RIDGE, A STRIP AREA 5' WIDE SHOULD BE NAILED WITH 8d NAILS® 4" O.C. ON THE ROOF EDGE AND ALL PLYWOOD SHEET EDGES AND 6" O.C. AT INTERIOR FRAMING SUPPORTS. USE "H" CLIP SPACERS WHEN APPLYING DECK.
- 8.) PLACE COLLAR TIES @ EVERY OTHER RAFTER U.N.O.
 9.) _____ 2x8 PURLIN SUPPORTED AT 4'-0' O.C. MAXIMUM. ALL MULTIPLE JOISTS AND BEAMS USED TO SUPPORT PURLIN BRACES MUST BE BRACED AT THE TOP EDGE TO PREVENT ROLLOVER OR LATERAL SWAY.
- EDGE TO PREVENT ROLLOVER OR LATERAL SWAY. 10.) 2-2x4 TEE BRACE UP TO 8'-0" LONG. 2-2x6 TEE BRACE OVER 8'-0" LONG. BRACING LOCATIONS FOR TEE BRACE. BRACE DOWN TO NEAREST WALL (OR FLOAT BEAM, IF SHOWN) AT MAX. 45° FROM VERTICAL.
- II.) RAFTER ENDS ON OPPOSITE SIDES OF THE HIP AND
 VALLEY MEMBERS MAY BE STAGGERED NO MORE THAN
 3" FOR OPPOSING RAFTERS. RAFTER ENDS ON OPPOSITE
 SIDES OF RIDGE MEMBERS SHOULD BE DIRECTLY
 OPPOSITE OF EACH OTHER.

