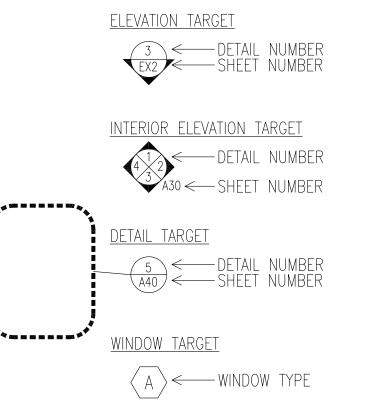
146 Thornton St.

Boston, Massachusetts Owner: Joe Higginbottom



GENERAL NOTES

- ALL WORK SHALL COMPLY WITH STATE, NATIONAL CODES, REGULATIONS AND RESTRICTIONS WHICH APPLY TO
- THE CONTRACTOR SHALL VISIT THE SITE AND BE KNOWLEDGEABLE OF CONDITIONS THEREON. THE CONTRACTOR SHALL INVESTIGATE, VERIFY AND BE RESPONSIBLE FOR ALL CONDITIONS OF THE PROJECT AND SHALL NOTIFY THE ARCHITECT OF ANY CONDITIONS REQUIRING MODIFICATION BEFORE PROCEEDING WITH THE
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND POSTING ALL NECESSARY VALID CONSTRUCTION PERMITS FROM ALL LOCAL, STATE AND FEDERAL AUTHORITIES HAVING JURISDICTION PRIOR TO THE START OF
- THE CONTRACTOR SHALL KEEP ALL BUILDING MEANS OF EGRESS CLEAR OF ANY OBSTRUCTIONS AT ALL TIMES.
- THE GENERAL CONTRACTOR MUST COORDINATE WITH THE BUILDING FACILITIES MANAGER ALL ACTIVITIES INCLUDING, BUT NOT LIMITED TO WORK WHICH WILL GENERATE EXCESSIVE NOISE NOISE AND MODIFICATION TO UTILITIES. WORK MUST NOT INTERFERE WITH EXISTING SMOKE DETECTORS, ALARMS OR BUILDING SYSTEM **MANAGEMENT**
- THE GENERAL CONTRACTOR SHALL REVIEW AND BE FAMILIAR WITH ANY TENANT DESIGN AND
- CONSTRUCTION MANUAL AND ANY OTHER BUILDING OWNER OR BUILDING STANDARDS THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL CONSTRUCTION ACTIVITIES, MATERIALS, MEANS AND METHODS. THE CONTRACTOR IS TO COORDINATE ALL SUBCONTRACTORS TO COMPLETE THE FULL SCOPE OF WORK AS INDICATED IN THE CONSTRUCTION DOCUMENTS.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROPERLY LAYING OUT THE WORK AND FOR ALL LINES AND MEASUREMENTS FOR THE WORK.
- BUILDING OR SITE COMPONENTS WHICH ARE AFFECTED OR DAMAGED BY THE WORK SHALL BE REPLACED OR RESTORED TO ORIGINAL CONDITION AND COLOR, OR AS APPROVED BY THE OWNER.
- WHERE THE DESIGN INTENT CANNOT BE DETERMINED FROM THE DRAWINGS, CONSULT THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. (312) 780-9456
- THE CONTRACTOR SHALL VERIFY THE DIMENSIONS SHOWN ON THE DRAWINGS BEFORE LAYING OUT THE WORK, AND SHALL BE HELD RESPONSIBLE FOR ANY ERRORS OR INACCURACIES RESULTING FROM FAILURE TO DO SO.
- DETAILS SHOWN ARE INDICATIVE OF THE CHARACTER, PROFILES, MATERIALS AND SYSTEMS REQUIRED FOR THE WORK INCLUDING THOSE CONDITIONS NOT COVERED BY SPECIFIC DETAILS.
- DIMENSIONS SHALL GOVERN, DO NOT SCALE THE DRAWINGS. WHERE THERE APPEARS TO BE A CONFLICT OR WHERE DIMENSIONS CANNOT BE DETERMINED, CONSULT THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
- ALL DIMENSIONS ARE TO INSIDE FACE OF WALLS.
- UNLESS SHOWN OTHERWISE. ALL DOORS SHALL BE LOCATED SUCH THAT THERE IS A 2 INCH WALL RETURN BETWEEN THE JAMB FRAME AND THE ADJACENT PERPENDICULAR WALL.
- CONSULT WITH THE ARCHITECT OR ENGINEER BEFORE PENETRATING ANY JOISTS. BEAMS. OR OTHER STRUCTURAL MEMBERS
- 9. ALL CONSTRUCTION MATERIALS AND EQUIPMENT ARE TO BE STORED NEATLY WITHIN THE SCOPE OF WORK AREA
- 10. ALL MATERIALS AND EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS
- 10.1. SUBMIT SHOP DRAWINGS AND SAMPLES FOR ALL STEEL, MILLWORK, SIGNAGE, HARDWARE AND INTERIOR **FINISHES**
- 10.2. SUBMIT PRODUCT DATA FOR FIXTURES AND HARDWARE
- ALL INTERIOR AND EXTERIOR FINISHES, COLORS AND MATERIALS ARE TO BE SELECTED AND APPROVED BY THE OWNER PRIOR TO CONSTRUCTION
- 10.4. ALL INTERIOR FINISHES AND FURNISHINGS ARE TO BE CLASS 'A' FIRE RATED AND ARE TO COMPLY WITH MASSACHUSETTS BUILDING CODE AND THE BOSTON FIRE CODE
- ALL WOOD COMPONENTS SHALL BE FIRE TREATED CONFIRM THAT ALL MATERIALS AND FINISHES, INCLUDING THEIR FABRICATION AND INSTALLATION WILL NOT
- RELEASE FUMES OR AROMAS WHICH MAY BE A HAZARD OR NUISANCE TO PERSONNEL THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PANEL CONTROL AND CIRCUIT DESIGN AND FOR COMPLIANCE WITH ALL BUILDING, LIFE SAFETY, AND STATE AND NATIONAL ELECTRICAL CODES WHICH MAY
- 11.1. ALL EXPOSED UTILITY WIRES AND PIPES SHALL BE INSTALLED IN A WAY THAT DOES NOT OBSTRUCT OR PREVENT THE CLEANING OF FLOORS, WALLS AND CEILINGS; THEY SHALL BE INSTALLED A MINIMUM OF 6" OFF OF FLOORS AND 1' OFF OF WALLS, CEILINGS OR ADJACENT PIPES OR WIRES
- 12. WHERE APPROPRIATE, EXISTING SPRINKLER HEADS ALARM SYSTEM AND DETECTORS ARE TO REMAIN. MODIFY LOCATIONS ONLY WHERE CEILING IS ALTERED OR AS INDICATED ON FIRE PROTECTION DRAWINGS.
- 13. EQUIPMENT INFORMATION AND SPECIFICATIONS, INCLUDING EQUIPMENT SUPPLIED BY THE OWNER, ARE TO BE THE MOST CURRENT AT THE TIME OF DOCUMENTATION PREPARATION.
- 13.1. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXACT DIMENSIONS AND EQUIPMENT CONNECTION REQUIREMENTS. 13.2. MAKE ALL FINAL CONNECTIONS, INSTALL THE SET UP IN WORKING ORDER, CHECK WARRANTIES, TEST AND
- NOTE VOID WARRANTIES. 13.3. COORDINATE WITH THE OWNER DELIVERY, STORAGE AND INSTALLATION OF ALL EQUIPMENT, INCLUDING
- THAT SUPPLIED BY THE OWNER. 14. PROVIDE ALL TEMPORARY FACILITIES AND SERVICES, CONSTRUCTION AND SUPPORT FACILITIES AND SECURITY AND PROTECTION AS NEEDED TO PROTECT NEW AND EXISTING CONSTRUCTION FOR THE DURATION OF THE
- 15. ALL MATERIALS AND WORKMANSHIP SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE UNLESS OTHERWISE SPECIFIED FOR A LONGER PERIOD OF TIME FOR A CERTAIN ITEM
- SEAL AND CAULK AROUND ALL PENETRATIONS, CRACKS AND CREVICES AND ANY OPENINGS CAPABLE OF HARBORING INSECTS OR RODENTS
- EMPLOY EXPERIENCED WORKERS FOR FINAL CLEANING, CLEAN TO COMMERCIAL BUILDING PROGRAM STANDARDS
- 17.1. DISPOSE OF ALL WASTE AND DEBRIS OFF THE PREMISES



LOCATION PLAN
SCALE: NOT TO SCALE

APPLICABLE CODES:

- BUILDING CODE: CMR 780 MASSACHUSETTS STATE BUILDING CODE, 9TH EDITION (AMENDED INTERNATIONAL BUILDING CODE 2015, INTERNATIONAL RESIDENTIAL CODE 2015 AND THE 2015 INTERNATIONAL EXISTING BUILDING CODE W/ MASSACHUSETTS AMENDMENTS)
- 2. ACCESSIBILITY: MASSACHUSETTS ARCHITECTURAL ACCESS BOARD CMR 521 AND UNIFORM FEDERAL ACCESSIBILITY STANDARDS
- 3. FIRE PROTECTION: MASSACHUSETTS COMPREHENSIVE FIRE SAFETY CODE CMR 527 1.00 2015 NFPA 1: FIRE CODE
- 4. ELECTRICAL: 527 CMR 12.00 MASSACHUSETTS ELECTRICAL CODE 2020 NFPA 70 NATIONAL ELECTRICAL CODE WITH **AMENDMENTS**
- MECHANICAL: INTERNATIONAL MECHANICAL CODE 2015 W/ AMENDMENTS
- PLUMBING: 248 CMR BOARD OF STATE EXAMINERS OF PLUMBERS AND GAS FITTERS UNIFORM STATE PLUMBING
- 7. ENERGY: INTERNATIONAL ENERGY CONSERVATION CODE 2018 (IECC)
- 8. AMERICANS WITH DISABILITIES ACT
- 10. MGL CH. 148 SECTION 26G

9. BOSTON ZONING CODE

BUILDING DESCRIPTION:

BUILD NEW 3-STORY BUILDING WITH 2 UNITS AND 2 PARKING. BUILDING WILL NOT HAVE AN ELEVATOR. BUILDING WILL BE FULLY SPRINKLERED.

CODE SUMMARY:

1. PROPOSED USE OR OCCUPANCY: RESIDENTIAL - 3F-4000

1.1 OCCUPANT LOAD: (200 GROSS SF/PERSON PER TABLE 1004.1.2) APPROX. $\frac{3573 \text{ SF}}{200}$ = 17 PERSONS 2. CONSTRUCTION TYPE: V.B. - TABLE 504.4

2.1 PER TABLE 601: STRUCTURAL FRAME, BEARING WALLS, FLOORS AND ROOF ARE NOT REQUIRED TO BE RATED 2.2 MAX. AREA IS 21,000 PER FLOOR PER TABLE 506 AND MAXIMUM HEIGHT IS 3 STORIES ABOVE GRADE - 504.4

3. PER TABLE 1006.3.2(1) FOR USE GROUP R-2 - ONLY ONE EXIT IS REQUIRED WHEN THERE ARE LESS THAN FOUR STORIES AND 4 DWELLING UNITS OR LESS PER STORY. TRAVEL DISTANCE IS LIMITED TO 125'

4. MINIMUM WIDTH OF EGRESS STAIR: 36 INCHES PER SECTION 1011.2

5. MAXIMUM LENGTH OF EXIT TRAVEL: 250 FEET PER 1017.2

6. FIRE RATED CONSTRUCTION:

- 6.1 PER TABLE 602. IN V.B. CONSTRUCTION EXTERIOR WALLS MORE THAN 10' FROM PROPERTY LINE ARE NOT REQUIRED TO BE RATED. 10' OR LESS MUST BE 1 HOUR RATED.
- 6.2 DEMISING PARTITION/CORRIDORS MUST BE 1 HOUR IN A SPRINKLERED TYPE V.B BUILDING 420.2 AND 708.3 6.3 HORIZONTAL SEPARATION BETWEEN DWELLING UNITS: 1 HOUR IN A SPRINKLERED TYPE V.B BUILDING PER 420.3 AND 711.2.4.3 - REFER TO DETAIL ON A-20
- 6.4 STAIRWAYS CONNECTING 4 OR MORE STORIES ARE TO BE 2 HOUR RATED. STAIRS CONNECTING LESS THAN 4 STORIES ARE TO BE 1 HOUR RATED PER 1023.2
- 6.5 PER TABLE 716.5: 1 HOUR ENCLOSURES AND EXIT ACCESS SHALL HAVE 1 HOUR DOORS. 1 HOUR AND \(\frac{1}{2} \) HOUR CORRIDORS SHALL HAVE A MINIMUM 20 MIN. RATED DOOR. 2 HOUR ENCLOSURES AND EXIT ACCESS SHALL HAVE 90 MINUTE RATED DOORS.

7. DEMISING PARTITION MINIMUM: STC 50 PER SECTION 1207.2 AND MIN. 50 IIC BETWEEN FLOORS 8. ACCESSIBILITY REQUIREMENTS:

8.1 CMR 521 9.3 - EXISTING BUILDINGS RENOVATED FOR RESIDENTIAL USE ARE EXEMPT FROM MAAB REQUIREMENTS PER 521 CMR: ARCHITECTURAL ACCESS BOARD, PARAGRAPH 9,2,1

ENERGY REQUIREMENTS:

MASSACHUSETTS ENERGY STRETCH CODE, CHAPTER 4 - RESIDENTIAL ENERGY EFFICIENCY - RESIDENTIAL BUILDINGS, INTERNATIONAL ENERGY CONSERVATION CODE (IECC) 2018

- 1. CLIMATE ZONE 5 PER TABLE 301.1
- EXISTING WALLS AND CEILINGS: FILL EXISTING WALL AND CEILING CAVITIES WITH INSULATION PER IECC 503.1
- PER IECC TABLE 402.4, FENESTRATION SHALL HAVE A U-FACTOR OF 0.38 OR BETTER.
- SKYLIGHTS SHALL HAVE A U-FACTOR OF 0.55 OR BETTER PER 402.4.
- VAPOR RETARDER IS REQUIRED TO COMPLY WITH R402.1.1 OF THE IECC AND R702.7 OF THE INTERNATIONAL RESIDENTIAL CODE. VAPOR RETARDER IS NOT REQUIRED IN BASEMENT OR BELOW GRADE WALLS.
- R402.1.3 CEILING: R=49; WOOD FRAME WALL: R-20 (CAVITY)+ 3.8 (CONTINUOUS); FLOOR R=30; BASEMENT WALLS AND CRAWL SPACES: R=15 CONTINUOUS OR R=19 IN CAVITY OR R=13 IN CAVITY WITH R=5 CONTINUOUS; SLAB R=10
- 7. DEMAND RECIRCULATION WATER SYSTEMS SHALL HAVE CONTROLS THAT COMPLY WITH REQUIRED CODES 8. HOT WATER PIPES IN UNCONDITIONED SPACES SHALL ALL BE INSULATED TO AT LEAST R-3, AND HOT WATER PIPES IN CONDITIONED SPACES $\frac{3}{4}$ " AND LARGER SHALL BE INSULATED TO AT LEAST R-3.

LIST OF DRAWINGS A-01 ANALYSIS, DRAWING LIST AND NOTES A-02 SITE PLAN

- A-10 PROPOSED PLANS A-30 PROPOSED ELEVATIONS
- A-40 PROPOSED DETAILS

A-41 PROPOSED DETAILS





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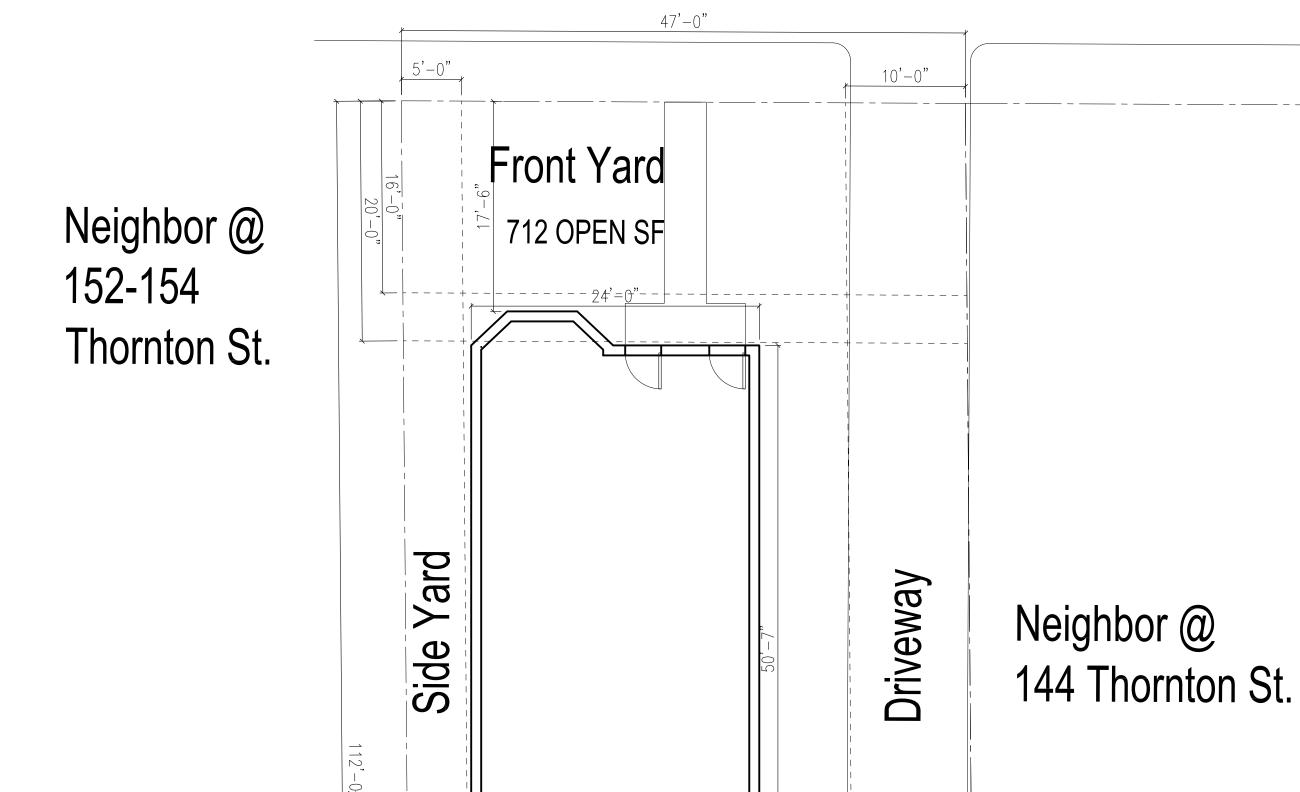
Issued for Permit Drawing Title: ANALYSIS, DWG LIST, NOTES

Checked by: EZ

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A-01

Project No.: 0533



Thornton St.

FULL PARKING

SPACE

FULL PARKING

SPACE

3F-4000 PROPOSED COMMENTS **ZONI**NG ANALYSIS: LOT AREA MIN. 2,000 SF 5,264 SF ADD'L LOT AREA REQ'D FOR EA. UNIT 2,000 SF 45' MIN. LOT WIDTH 47' MIN. LOT FRONTAGE 45' 47' MAX. F.A.R. $\frac{3573}{5264}$ = 0.68 8.0 MAX. HEIGHT (STORIES/FEET) 3 / 35' 3 / 35' $\frac{1585}{2}$ = 792.5 650 USABLE OPEN SPACE / UNIT 20' 20'-4" MIN. FRONT YARD SETBACK 5'/10'/15' TOTAL MIN. SIDE YARD SETBACK 5'-3"/17'-3" MIN. REAR YARD SETBACK 30' 30'-0" 2 SPACES 1.0 / UNIT PARKING REQUIREMENT

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o. Description Date

rawing Title: Site Plan

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A-02

Neighbor @ 2777 Washington St. (City of Boston)

Neighbor @ 2779 Washington St.

Back Yard

873 OPEN SF

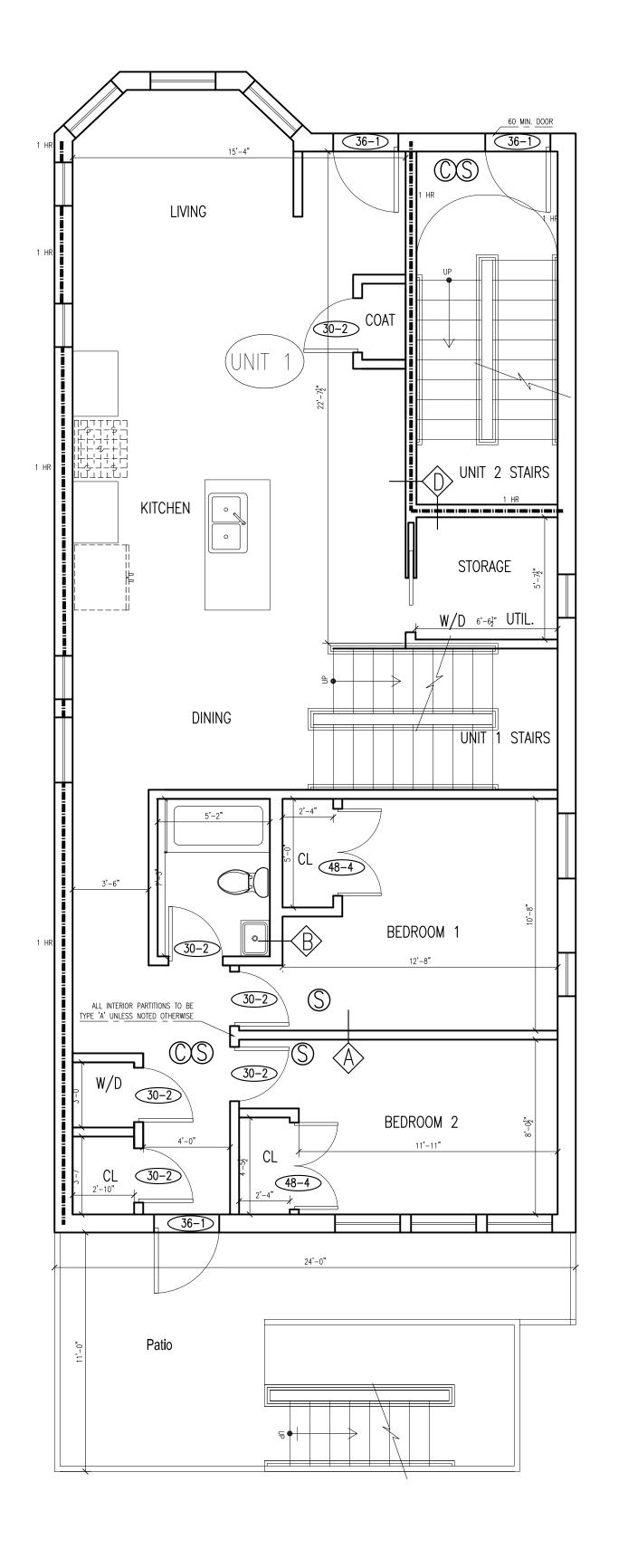
PROPOSED SITE PLAN SCALE: 1/8" = 1'-0"

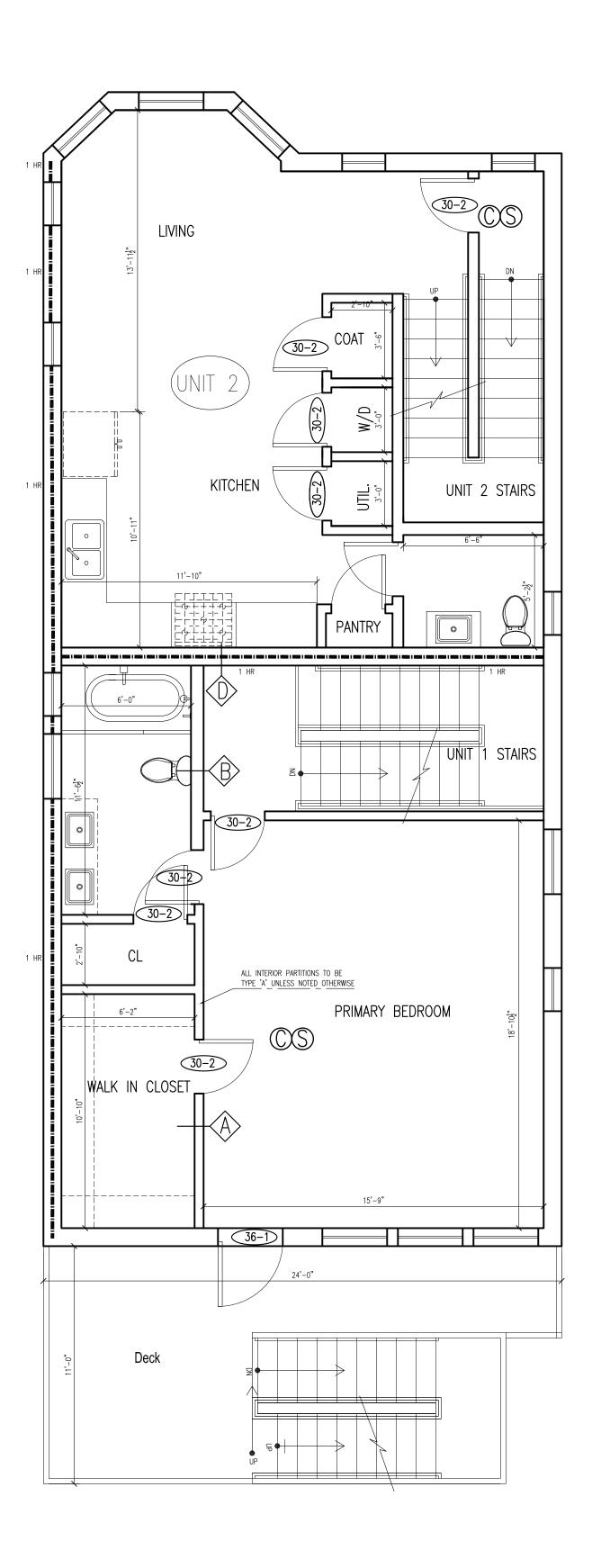
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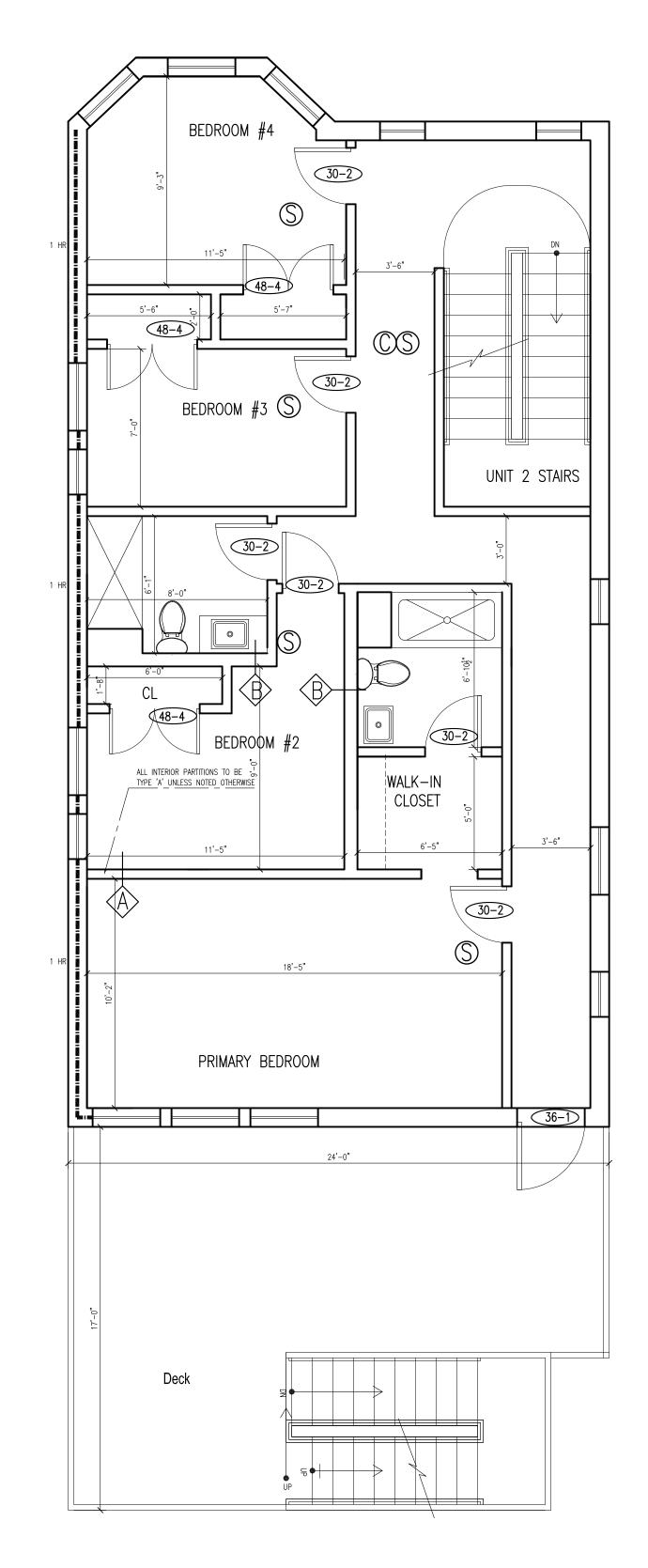
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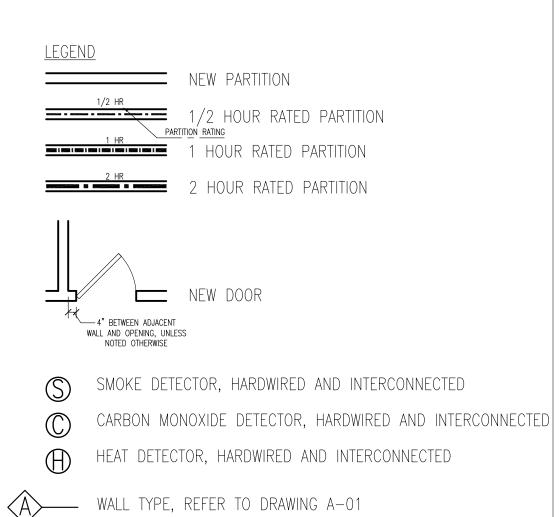
6 Velentine St.

8 Valentine St.









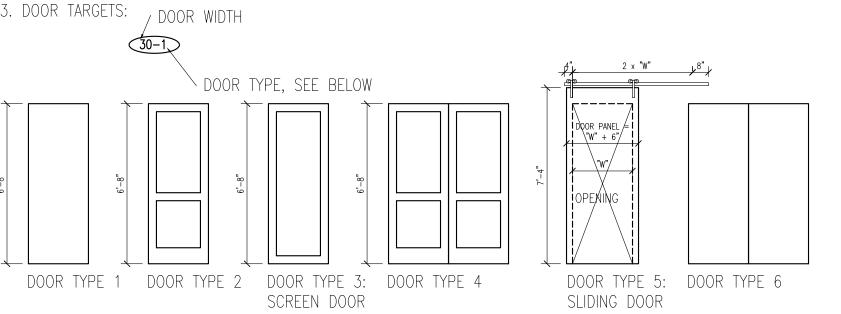
FINITOLI NOTEC

1. ALL WALLS TO BE PAINTED GWB, (WHITE TO MATCH ARCHITECT'S SAMPLE)

2. FLOORS TO BE HARDWOOD UNLESS NOTED OTHERWISE.

DOOR NOTES:

1. ALL NEW DOORS TO BE 6'-8" HIGH, 1 3/4" THICK SOLID CORE WOOD DOORS WITH WOOD FRAMES.
2. INTERIOR DOORS ARE TO BE PAINTED WHITE, CONFIRM EXTERIOR DOOR COLOR AND FINISH WITH OWNER AND ARCHITECT
3. DOOR TARGETS: , DOOR WIDTH





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A-10

3 LEVEL 3 PLAN SCALE: 1/4" = 1'-0"



PROPOSED FRONT ELEVATION SCALE: 1/4" = 1'-0"

PROPOSED SIDE ELEVATION SCALE: 1/4" = 1'-0"



3 PROPOSED REAR ELEVATION SCALE: 1/4" = 1'-0"

PROPOSED SIDE ELEVATION
SCALE: 1/4" = 1'-0"



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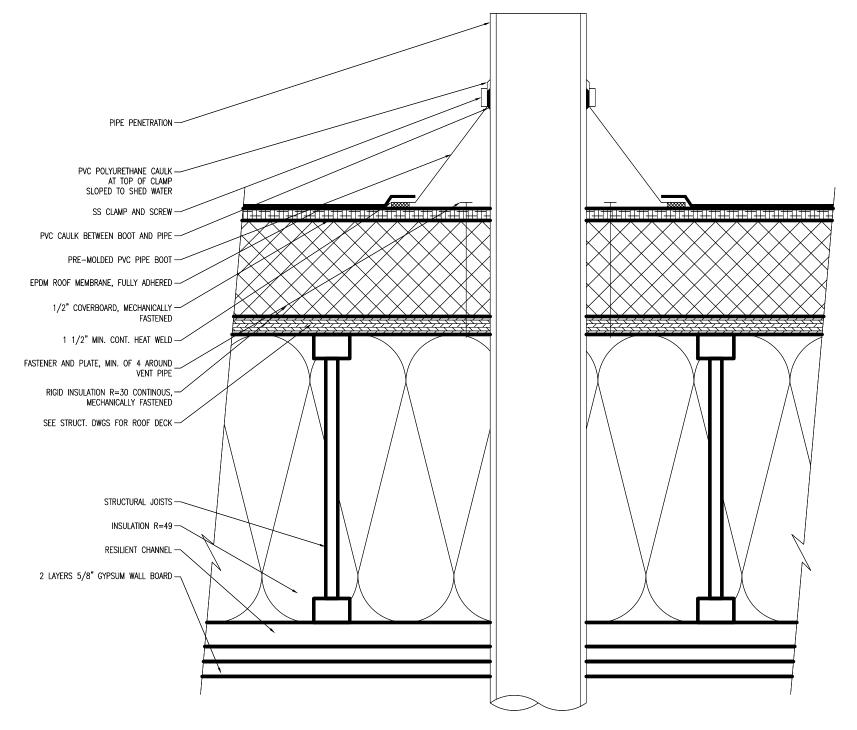
Roxbury, Boston, Massachusetts

03/06/2022

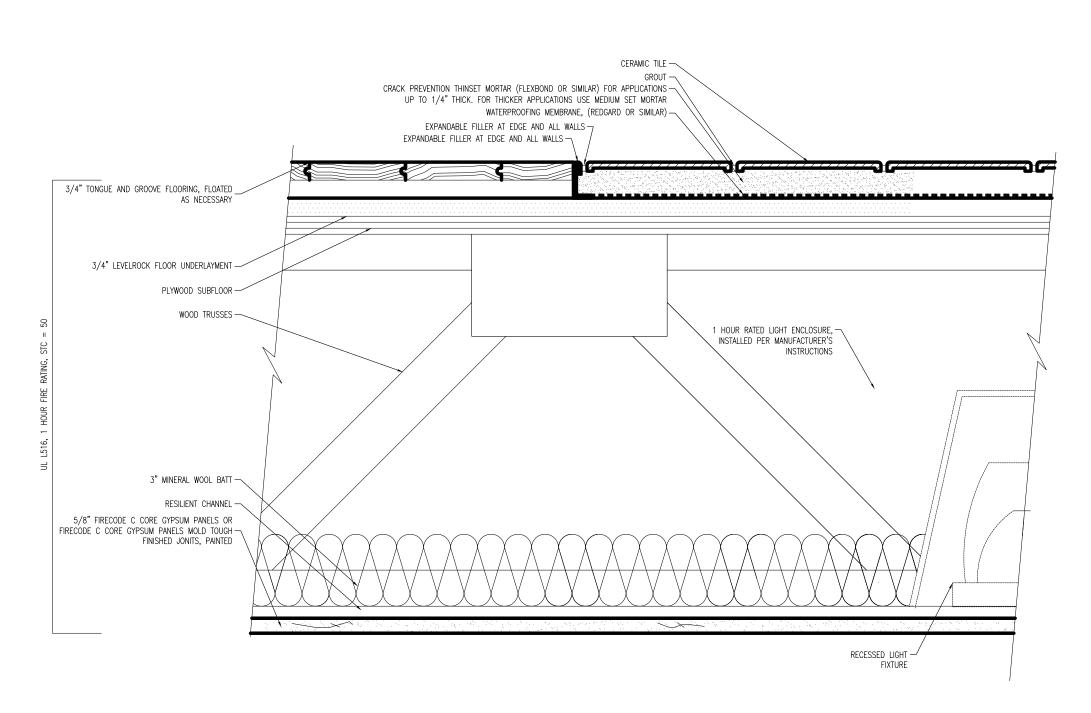
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A-30

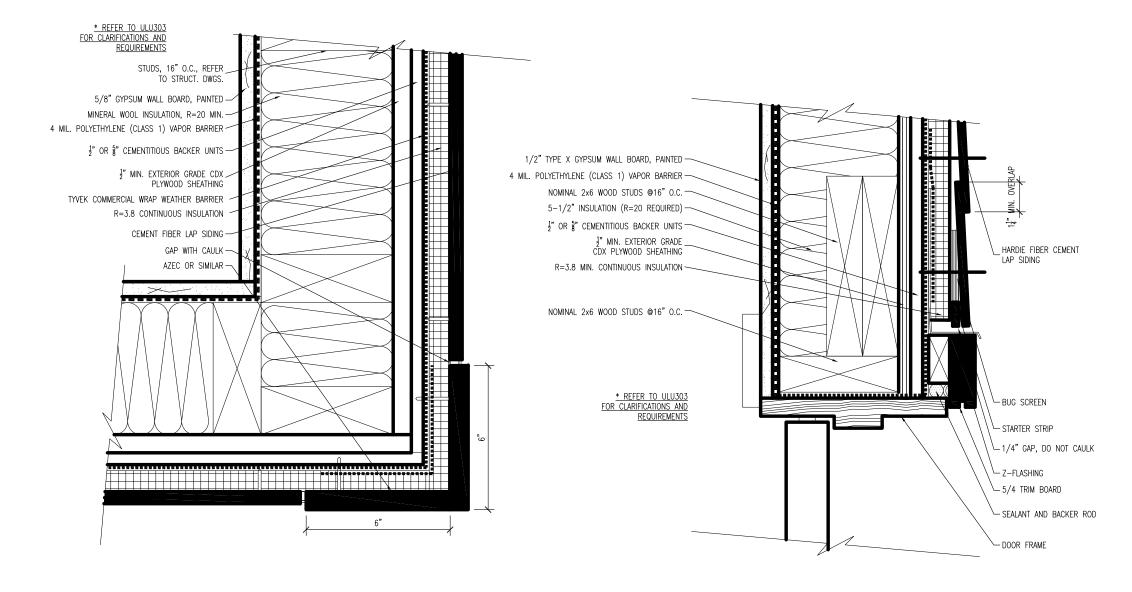
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ROOF PENETRATION SECTION DETAIL SCALE: 3" = 1'-0"

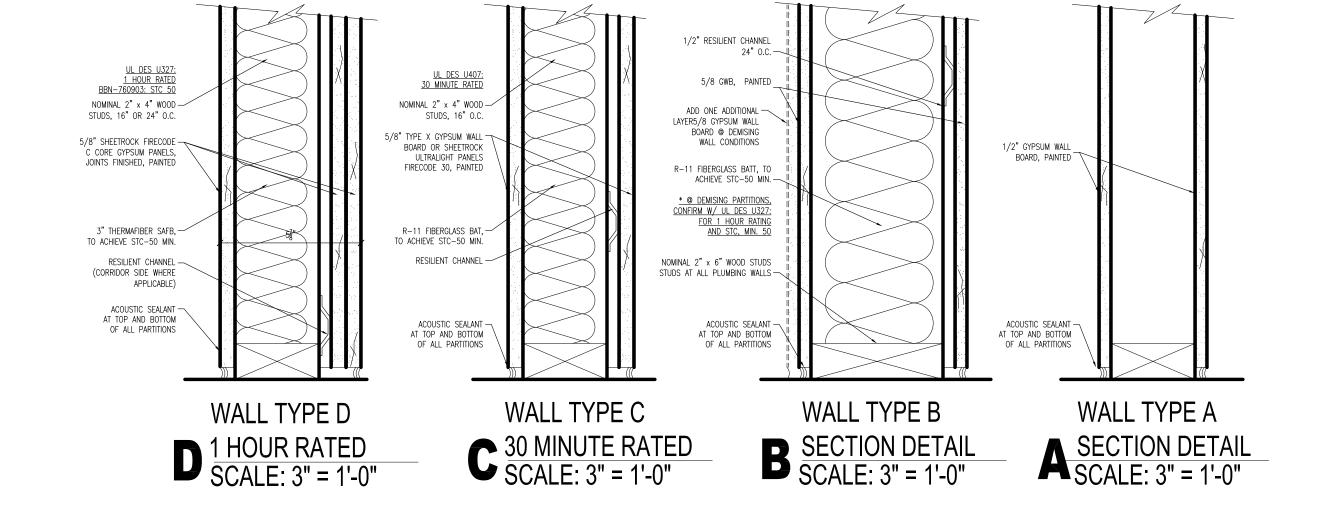


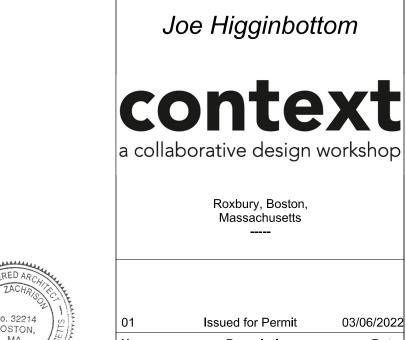
2 CEILING SANDWICH SECTION DETAIL SCALE: 3" = 1'-0"



RATED EXTERIOR WALL PLAN DETAIL SCALE: 3" = 1'-0"

RATED EXTERIOR WALL SECTION DETAIL SCALE: 3" = 1'-0"







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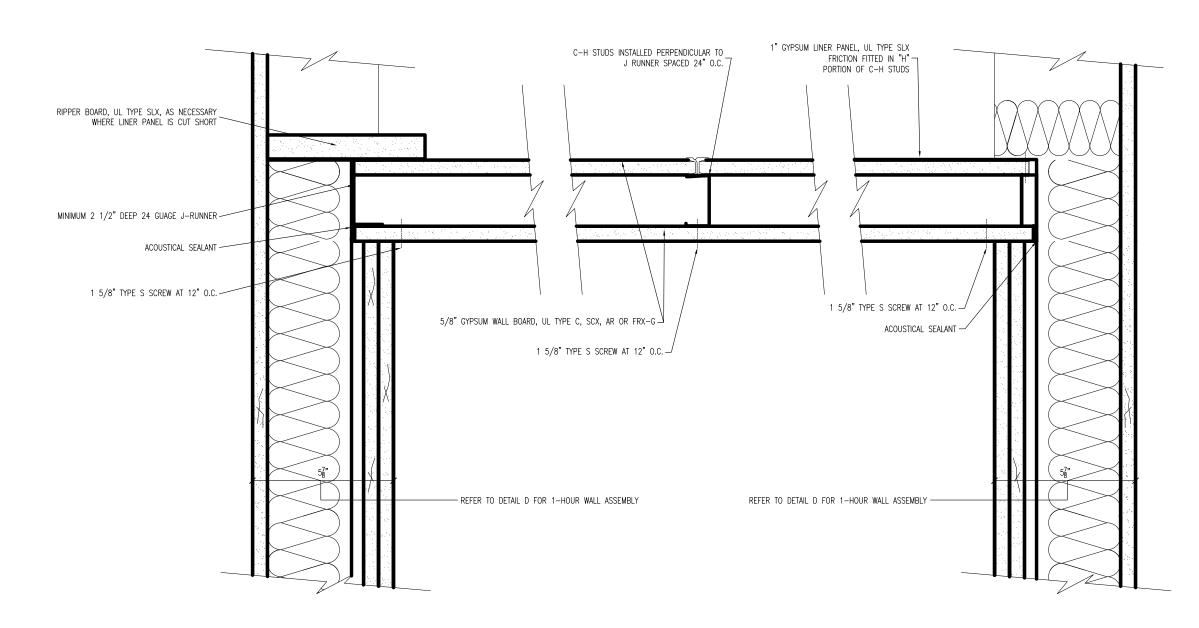
Drawing Title: Proposed Details

Project No.: 0533 Checked by: EZ

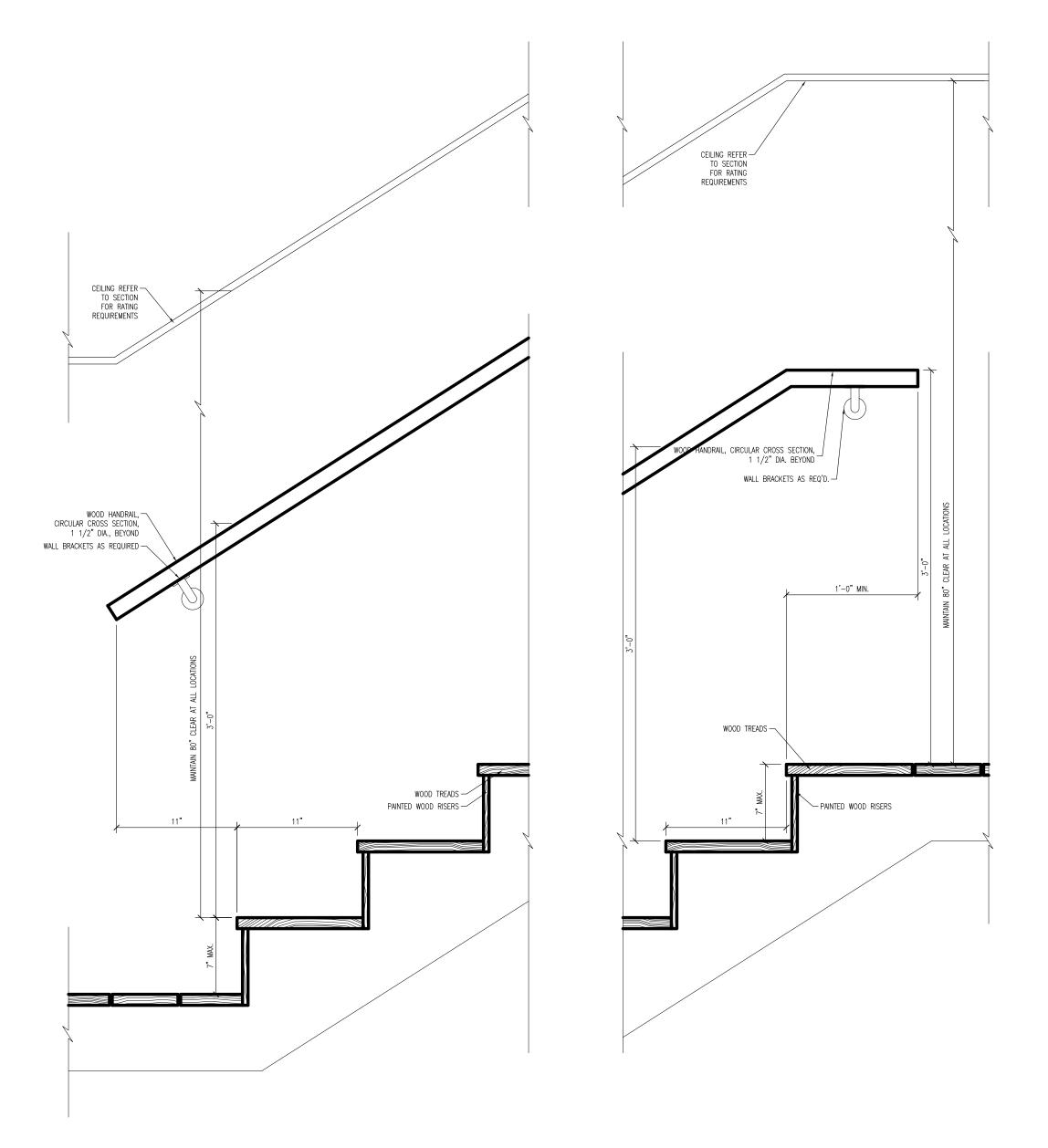
A-40

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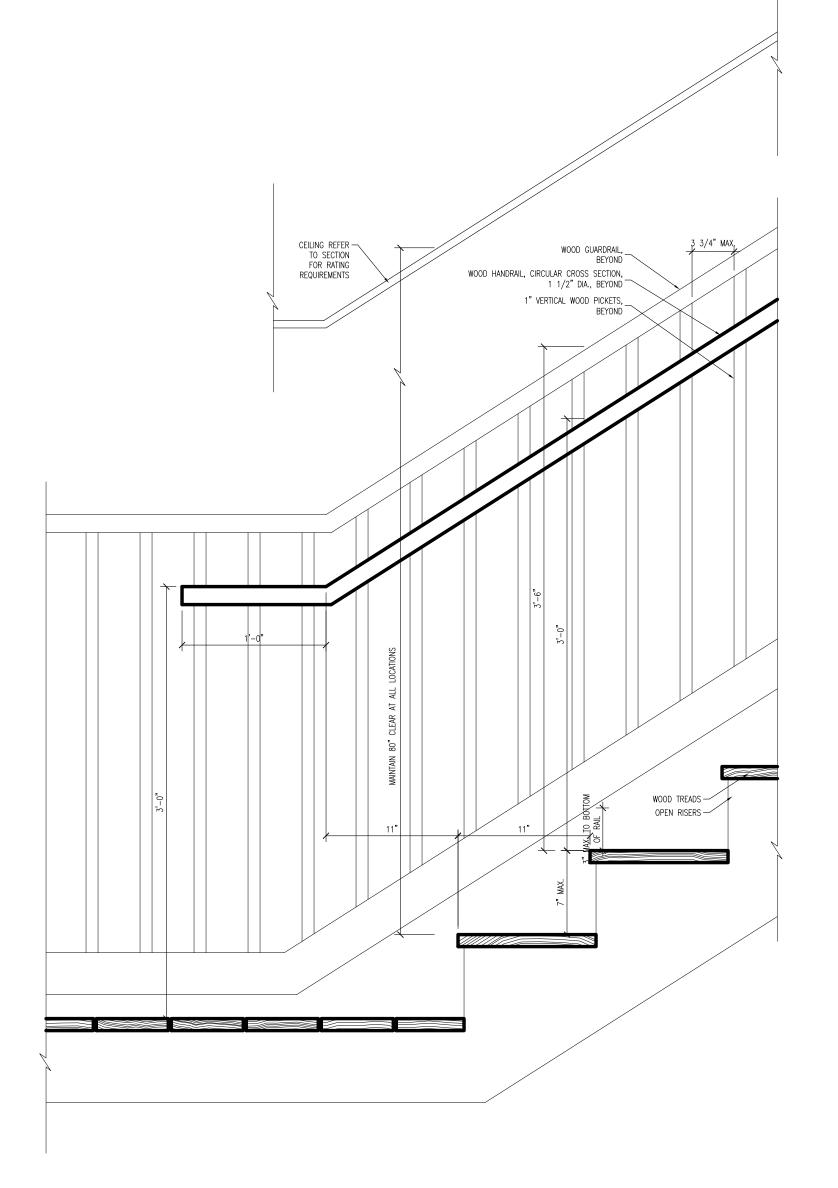


15 SHAFT WALL/CEILING DETAIL SCALE: 3" = 1'-0"

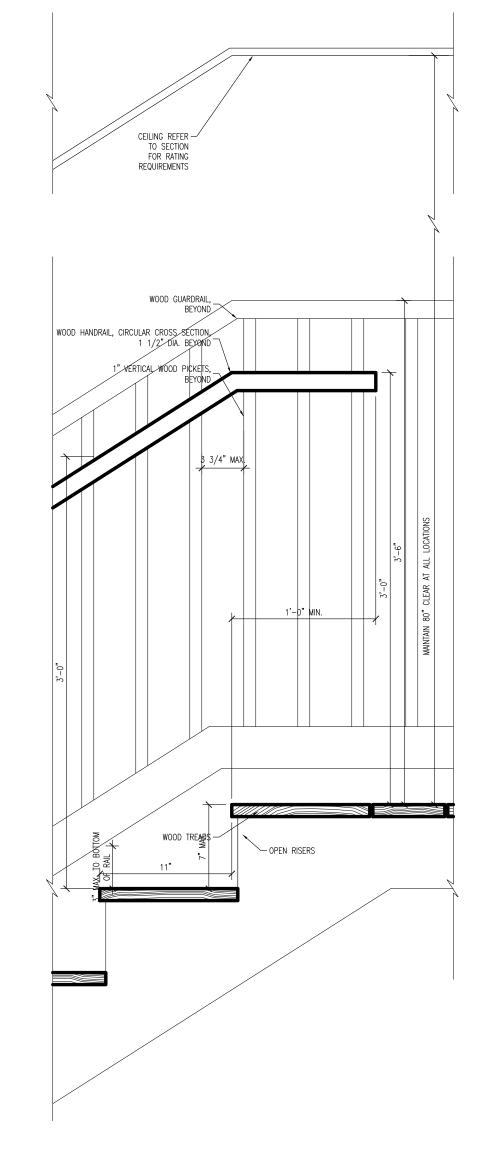


16 BASE OF INTERIOR COMMON STAIR DETAIL SCALE: 1 1/2" = 1'-0"

17 TOP OF INTERIOR COMMON STAIR DETAIL SCALE: 1 1/2" = 1'-0"



18 BASE OF EXTERIOR COMMON STAIR DETAIL SCALE: 1 1/2" = 1'-0"



19 TOP OF EXTERIOR COMMON STAIR DETAIL SCALE: 1 1/2" = 1'-0"



