

# PRELIMINARY ELEVATOR DESIGN

## COASTLINE COLLEGE

17075 Newhope St, Fountain Valley, CA 92708



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ARCHITECTURE | PLANNING | INTERIOR DESIGN

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| ISSUED FOR:               | REVISIONS:      | REGISTRATION/SIGNATURE: | SHEET TITLE:                   |
|---------------------------|-----------------|-------------------------|--------------------------------|
|                           |                 |                         | <b>COVER IMAGE SHEET</b>       |
|                           |                 |                         | SHEET NUMBER:<br><b>CS-0.1</b> |
| WD PROJ. #<br>24629       | DRAWN BY:<br>MS | CHECKED<br>JS           | DATE<br>08/01/2024             |
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ABBREVIATIONS

Table of abbreviations and their corresponding full names, including terms like And, Angle, AI, Centerline, Degree, etc.

DEFERRED SUBMITTALS

DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ARCHITECT OF RECORD WHO SHALL REVIEW THEM AND FORWARD THEM TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND FOUND TO BE IN GENERAL CONFORMANCE TO THE DESIGN OF THE BUILDING.

THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL.

DEFERRED SUBMITTAL:

- MODIFICATIONS TO EXISTING FIRE ALARM SYSTEM
MODIFICATIONS TO EXISTING FIRE SPRINKLER SYSTEM

GENERAL NOTES

- SEE INDIVIDUAL SHEETS FOR LEGEND DESCRIPTIONS AND SHEET NOTES.
'ARCHITECT' AS USED IN THESE DOCUMENTS REFERS TO WESTGROUP DESIGNS.
REFERENCE TO MAKES, BRANDS, AND MODEL IS TO ESTABLISH TYPE AND QUALITY DESIRED.
'TYPICAL' OR 'TYP' AS USED IN THESE DOCUMENTS SHALL MEAN THAT THE CONDITION IS THE SAME OR REPRESENTATIVE FOR ALL SIMILAR CONDITIONS THROUGHOUT U.N.O.
'SIMILAR' MEANS COMPARABLE CHARACTERISTICS FOR THE CONDITIONS NOTED.
INSTALL ALL FINISH MATERIALS AND MANUFACTURED SYSTEMS PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AS REQUIRED FOR THE JOB SPECIFIC APPLICATION.
VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK.
SHOULD A DISCREPANCY APPEAR IN THE CONTRACT DOCUMENTS, OR BETWEEN THE CONTRACT DOCUMENTS, NOTIFY THE ARCHITECT AT ONCE FOR INSTRUCTION ON HOW TO PROCEED.
SHOULD A CONFLICT OCCUR IN OR BETWEEN DRAWINGS AND SPECIFICATIONS, THE ARCHITECT SHALL BE ASKED FOR CLARIFICATION.
DO NOT SCALE DRAWINGS.
ALL DIMENSIONS ARE TO THE FACE OF STUD, OR FACE OF CONCRETE, OR CENTERLINE OF COLUMN, UNLESS NOTED OTHERWISE.
CEILING HEIGHT DIMENSIONS ARE FROM FINISH FLOOR TO FACE OF FINISH OF CEILING MATERIAL, UNLESS NOTED OTHERWISE.
LARGE SCALE DRAWINGS SHALL GOVERN OVER SMALLER SCALE DRAWINGS.
FINISH FLOOR ELEVATIONS ARE TO TOP OF CONCRETE, UNLESS NOTED OTHERWISE.
'ALIGN' AS USED IN THESE DOCUMENTS SHALL MEAN TO ACCURATELY LOCATE FINISH FACES IN THE SAME PLANE.
WHERE NOTED 'V.I.F.' OR 'VERIFY', THE DIMENSIONS ARE TO BE CHECKED IN THE FIELD.
VERIFY SIZES AND LOCATIONS OF ALL MECHANICAL EQUIPMENT PADS AND BASES AS WELL AS POWER AND WATER OR DRAIN INSTALLATIONS WITH EQUIPMENT MANUFACTURERS BEFORE PROCEEDING WITH THE WORK.
PROVIDE ALL NECESSARY BLOCKING, BACKING, FRAMING, AND SEALANT AS REQUIRED FOR PROPER INSTALLATION OF THE WORK.
WHERE LARGER STUDS OR FURRING ARE REQUIRED TO COVER PIPING AND CONDUITS, THE LARGER STUD SIZE OR FURRING SHALL EXTEND THE FULL SURFACE OF THE WALL WIDTH AND LENGTH WHERE THE FURRING OCCURS.
PROVIDE ALL ACCESS PANELS AS REQUIRED BY GOVERNING CODE WHETHER SHOWN OR NOT.
ALL BUILDING OR SITE CONSTRUCTION RUBBISH AND DEBRIS SHALL BE REMOVED AND FLOORS SWEEPED CLEAN ON A DAILY BASIS. RUBBISH AND DEBRIS SHALL NOT BE ALLOWED TO ACCUMULATE IN THE BUILDING OR ON SITE.

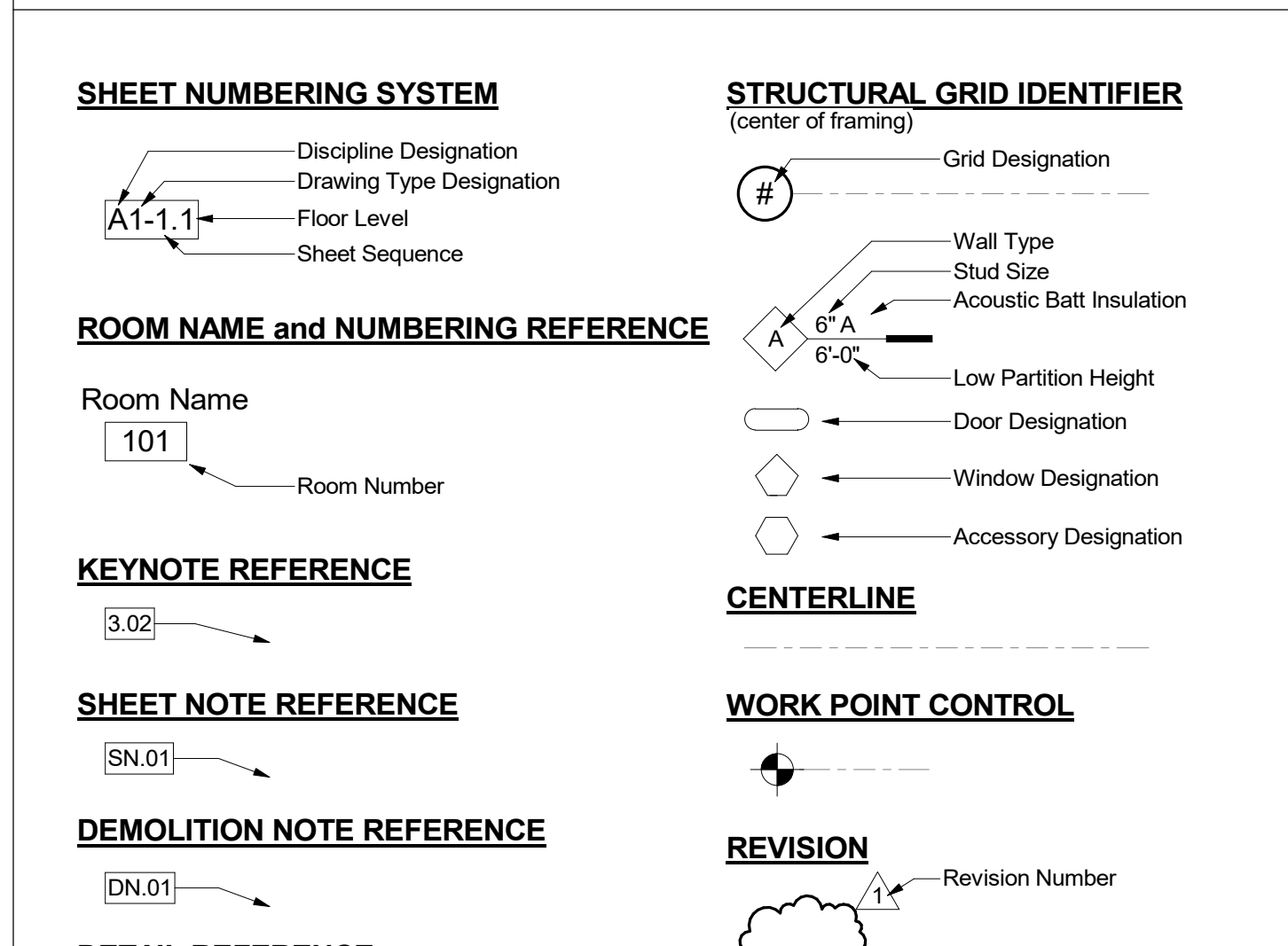
PROJECT DIRECTORY

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SHEET INDEX

Table with columns SHEET # and SHEET NAME, listing various sheets like COVER SHEET, GENERAL INFORMATION AND CODE, ARCHITECTURAL, SIGNAGE, STRUCTURAL, MECHANICAL, and ELECTRICAL.

SYMBOL LEGEND



APPLICABLE CODES & STANDARDS

ALL WORK SHALL CONFORM TO TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS 2022 EDITION PARTS 1 THROUGH 12:
LIST OF APPLICABLE CODES
2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR
2022 CALIFORNIA REFERENCE STANDARDS CODE, PART 12, TITLE 24 CCR
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
APPLICABLE STANDARDS
FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 CFC CHAPTER 80

SCOPE OF WORK

PROJECT DISCRPTION
INSTALL TWO ELEVATORS AND A STAIR ON THE FIRST FLOOR LOBBY AREA.

VICINITY MAP



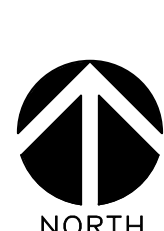
PRELIMINARY ELEVATOR DESIGN
COASTLINE COLLEGE
17075 Newhope St, Fountain Valley, CA 92708

Table for ISSUED FOR and REVISIONS.

Registration/signature area, sheet title (PROJECT INFORMATION), sheet number (CS-0.2), and drawing metadata (WD PROJ # 24629, DRAWN BY MS, CHECKED JS, DATE 08/01/2024).

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PRELIMINARY  
ELEVATOR DESIGN

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Valley, CA 92708

ISSUED FOR:

REVISIONS:

REGISTRATION/SIGNATURE:

SHEET TITLE:

CODE ANALYSIS -  
SECOND FLOOR

SHEET NUMBER:

G-1.2

WD PROJ # 24629 | DRAWN BY MS | CHECKED JS | DATE 08/01/2024

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### LEGEND

- xx' COMMON PATH OF EGRESS TRAVEL
- xx' EXIT ACCESS TRAVEL DISTANCE
- OCCUPANCY # xx OCCUPANCY NUMBER
- WIDTH REQUIRED 0" DOOR WIDTH REQUIRED
- WIDTH PROVIDED 0" DOOR WIDTH PROVIDED
- ACCUMULATION OF OCCUPANTS WITHIN ROOM
- INDIVIDUAL ROOM OCCUPANT LOAD
- COMBINED ROOM OCCUPANT LOAD
- ROOM NAME ROOM NAME
- ROOM NUMBER RM XXX X-1 OCCUPANCY GROUP
- X,XXX SF SQUARE FOOTAGE
- OCCUPANT LOAD FACTOR 1.XXX XX OCCUPANT LOAD
- AREA NOT INCLUDED IN SCOPE OF WORK, (N.I.C.)

### GENERAL NOTES

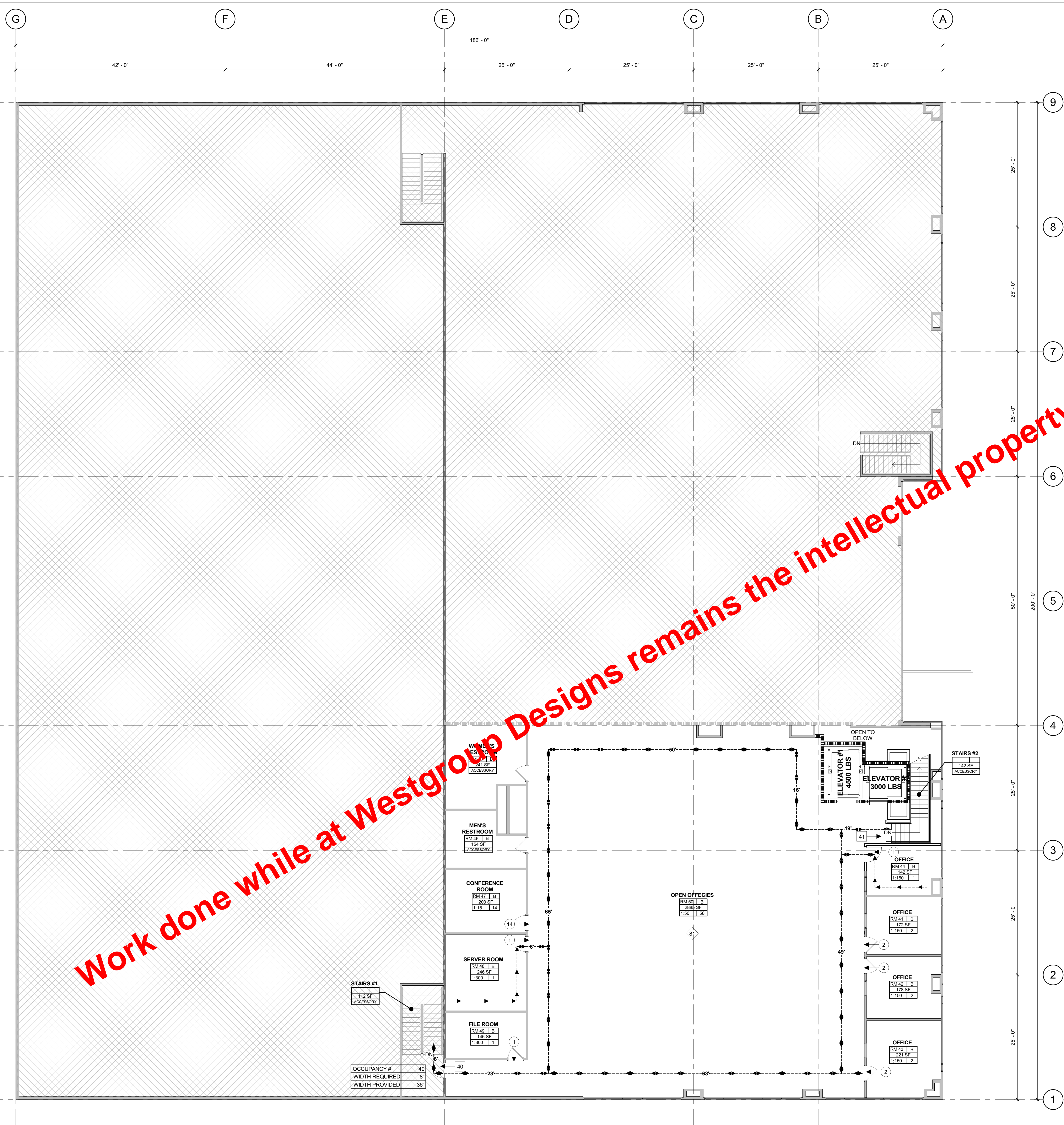
- SEE GENERAL SHEETS FOR ACCESSIBLE SIGNAGE REQUIREMENTS AND DETAILS.
- HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED AND BE 30" NOR MORE THAN 44" A.F.F. AND SHALL BE OPERABLE WITH A SINGLE FIST, NOT REQUIRING GRASPING OF THE OPENING HARDWARE.
- THE FORCE FOR INTERIOR DOORS WITHOUT CLOSERS SHALL NOT EXCEED 5 POUNDS. ALLOWABLE CLOSURE PRESSURE FOR OTHER DOORS SHALL BE: 1.5 LBS. FIRE DOORS; 8.5 LBS. EXTERIOR DOOR
- THRESHOLDS SHALL NOT EXCEED 1/2" IN TOTAL HEIGHT WITH A 1/4" MAXIMUM VERTICAL EDGE AND A CHANGE IN LEVEL NOT GREATER THAN 1:2.
- THE BOTTOM OF DOORS, EXCEPT AUTOMATIC AND SLIDING DOORS, SHALL HAVE A SMOOTH, UNINTERFERED SURFACE.
- ALL DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT USE OF A KEY, SPECIAL TOOL, FORCE OR EFFORT. EXIT DOORS SHALL BE EQUIPPED WITH SINGLE ACTION NO-KNOWLEDGE HARDWARE. TWO ACTIONS SHALL NOT BE ACCEPTABLE.
- ELECTRONIC STRIKE MUST RELEASE ON ACTIVATION OF FIRE ALARM PER CBC. ALSO TWO WAY COMMUNICATION SYSTEM PER SAME.

### CODE ANALYSIS

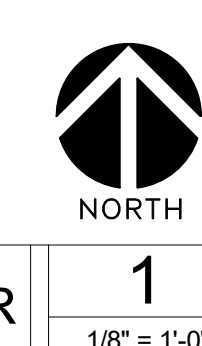
| CONSTRUCTION TYPE   |     |
|---|-----|
| TYPE  | V-A |
| SPRINKLED (YES/NO)  | YES |
| OCCUPANCIES - OFFICE  | B   |
| PER CBC 303.1.2 SMALL ASSEMBLY SPACES<br>A OCCUPANCIES LESS THAN 50 OCCUPANTS OR 750 SF AND ACCESSORY TO ANOTHER OCCUPANCY, SHALL BE CLASSIFIED AS GROUP B OCCUPANCY.   |     |
| PER CBC 508.2.3-4 ACCESSORY OCCUPANCIES<br>ACCESSORY OCCUPANCIES SHALL NOT OCCUPY MORE THAN 10% OF THE FLOOR AREA PER STORY.<br>NO SEPARATION IS REQUIRED BETWEEN ACCESSORY OCCUPANCIES AND THE MAIN OCCUPANCY.   |     |
| PER CBC 1004.5 - OCCUPANT LOAD FACTOR<br>UNCONCENTRATED = 15 OCC./SF<br>BUSINESS = 150 OCC./SF<br>MECHANICAL = 300 OCC./SF  |     |
| PER CBC 1004.9 - OCCUPANT LOAD SIGNAGE<br>ASSEMBLY SPACES SHALL HAVE OCCUPANT LOAD SIGNAGE POSTED IN A CONSPICUOUS PLACE NEAR MAIN EXITS.   |     |
| PER CBC 1005.3 - EGRESS WIDTH SIZING<br>STARWAYS = 2" FACTOR PER OCC.<br>(2" FACTOR W/ SPRINKLERS)<br>DOORS = 2" FACTOR PER OCC.<br>(.15" FACTOR W/ SPRINKLERS)   |     |
| PER CBC 1006.2.1 - COMMON PATH OF EGRESS TRAVEL AND EXIT ACCESS<br>DOORWAYS<br>FOR OCCUPANCY GROUPS B, COMMON PATH OF EGRESS TRAVEL SHALL NOT EXCEED 100'-0" FOR BUILDINGS EQUIPPED THROUGHOUT WITH AUTOMATIC SPRINKLER SYSTEM.<br>- PATH OF EGRESS PROPOSED FOR COMMON PATH OF TRAVEL DOES NOT EXCEED 100'-0".<br>GROUP B: (2) EXITS SHALL BE PROVIDED FOR OCCUPANT LOADS OVER 49.<br>- MORE THAN 2 EXITS PROVIDED |     |
| PER CBC 1007.1.1 - EXIT ACCESS DOORWAYS<br>FOR BUILDINGS EQUIPPED THROUGHOUT WITH AUTOMATIC SPRINKLER SYSTEMS, EXIT DOORS SHALL BE PLACED A DISTANCE APART OVER 1/2 THE OVERALL DIAGONAL DIMENSION.<br>- EXIT DISTANCES GREATER THAN 1/2 THE DIAGONAL   |     |
| PER CBC 1010.1.10 PANIC HARDWARE<br>DOORS SERVING AN H OCCUPANCY GROUP, OR AND OCCUPANT LOAD OF 50 OR MORE IN AN OCCUPANCY GROUP SHALL BE EQUIPPED WITH PANIC HARDWARE.<br>- OCCUPANCY GROUP B, NO PANIC HARDWARE REQUIRED<br>ELECTRICAL ROOMS WITH 800+ AMP EQUIPMENT AND OVER 6' WIDE AND THAT CONTAIN OVERCURRENT DEVICES REQUIRE PANIC HARDWARE AND DOORS TO SWING IN THE DIRECTION OF EGRESS.                  |     |
| PER CBC 1010.1.2 DOOR SWING<br>EGRESS DOORS SHALL BE PIVOT/HINGE SWINGING TYPE, UNLESS SERVING AN OFFICE OCCUPANT LOAD OF 10 OR LESS.   |     |
| PER CBC 1010.1.2.1 DIRECTION OF SWING<br>DOORS SHALL SWING IN THE DIRECTION OF EGRESS TRAVEL WHERE SERVING A ROOM OR AREA CONTAINING AN OCCUPANT LOAD OF 50 OR MORE.  |     |
| PER CBC 1017.2 - EXIT ACCESS TRAVEL DISTANCE<br>FOR BUILDINGS EQUIPPED THROUGHOUT WITH AUTOMATED FIRE SPRINKLERS, EXIT ACCESS TRAVEL DISTANCE SHALL NOT EXCEED:<br>GROUP B = 300'   |     |

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CODE ANALYSIS - SECOND FLOOR







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LEGEND

- (E) FIRE HYDRANT
- FIRE ACCESS LANE

GENERAL NOTES

- IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO SITE VERIFY ALL FIRE LANS IN PLENUM AREA AND ADVISE IF MECHANICAL EQUIPMENT SHOULD BE REMOVED.
- FIRE ALARM SYSTEM, SMOKE DETECTION, AND LIFE SAFETY EQUIPMENT AS REQUIRED BY CODE SHALL MATCH BUILDING STANDARD.
- PROVIDE NEW SEMI-RECESSED FIRE EXTINGUISHER CABINET THROUGHOUT, AS INDICATED ON DRAWINGS AND PER LOCAL CODES.
- FINAL LOCATION OF FIRE EXTINGUISHER SHALL BE APPROVED BY THE AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION.

OTHER NOTES

- ALL VEGETATION AND OTHER OBSTRUCTIONS OVERHANGING A FIRE ACCESS ROADWAY SHALL BE MAINTAINED TO A CLEAR HEIGHT OF 13'-6".
- THE CAMPUS IS IDENTIFIED WITH 6" HIGH ADDRESS NUMBERS EASILY VISIBLE FROM THE PUBLIC ROAD FRONTING THE PROPERTY. INDIVIDUAL STRUCTURES ARE IDENTIFIED WITH 6" HIGH ADDRESS NUMBERS OR LETTERS EASILY VISIBLE FROM THE PUBLIC WAY OR FIRE ACCESS ROADWAY.
- ALL WEATHER ACCESS ROADWAYS AND ALL FIRE HYDRANTS SHALL BE IN PLACE AND OPERATIONAL BEFORE BRINGING COMBUSTIBLE BUILDING MATERIALS OR PORTABLE UNITS ON-SITE.
- PIVs, DDCs, FDCs SHALL BE UNOBSTRUCTED AND VISIBLE FROM THE FIRE LANE OR PUBLIC ROAD. THEY SHALL BE PAINTED OSHA SAFETY RED.

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FIRE ACCESS SITE  
PLAN

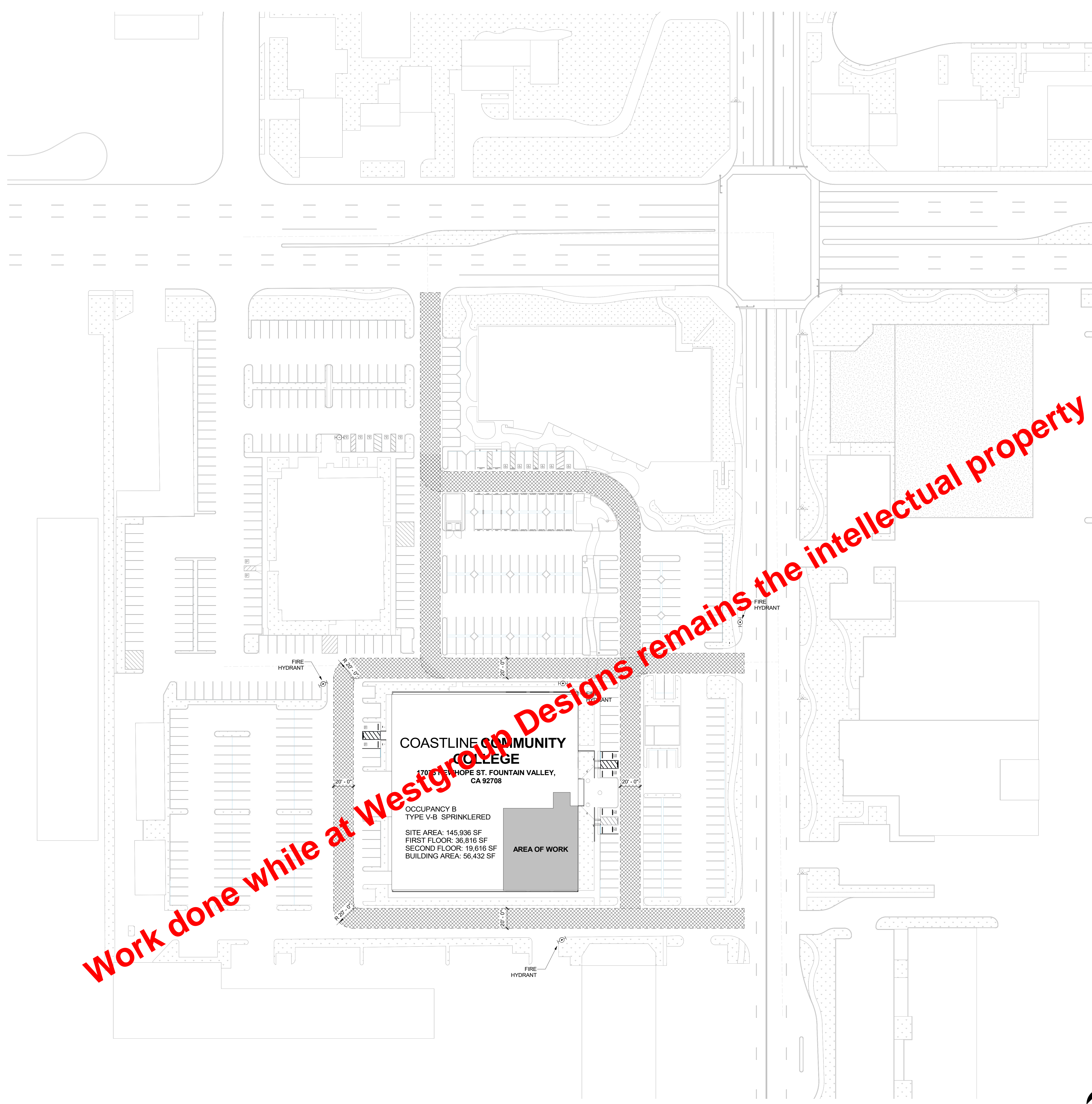
SHEET NUMBER:

G-3.1

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1" = 40'



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FIRE ACCESS SITE PLAN

1

1" = 40'-0"

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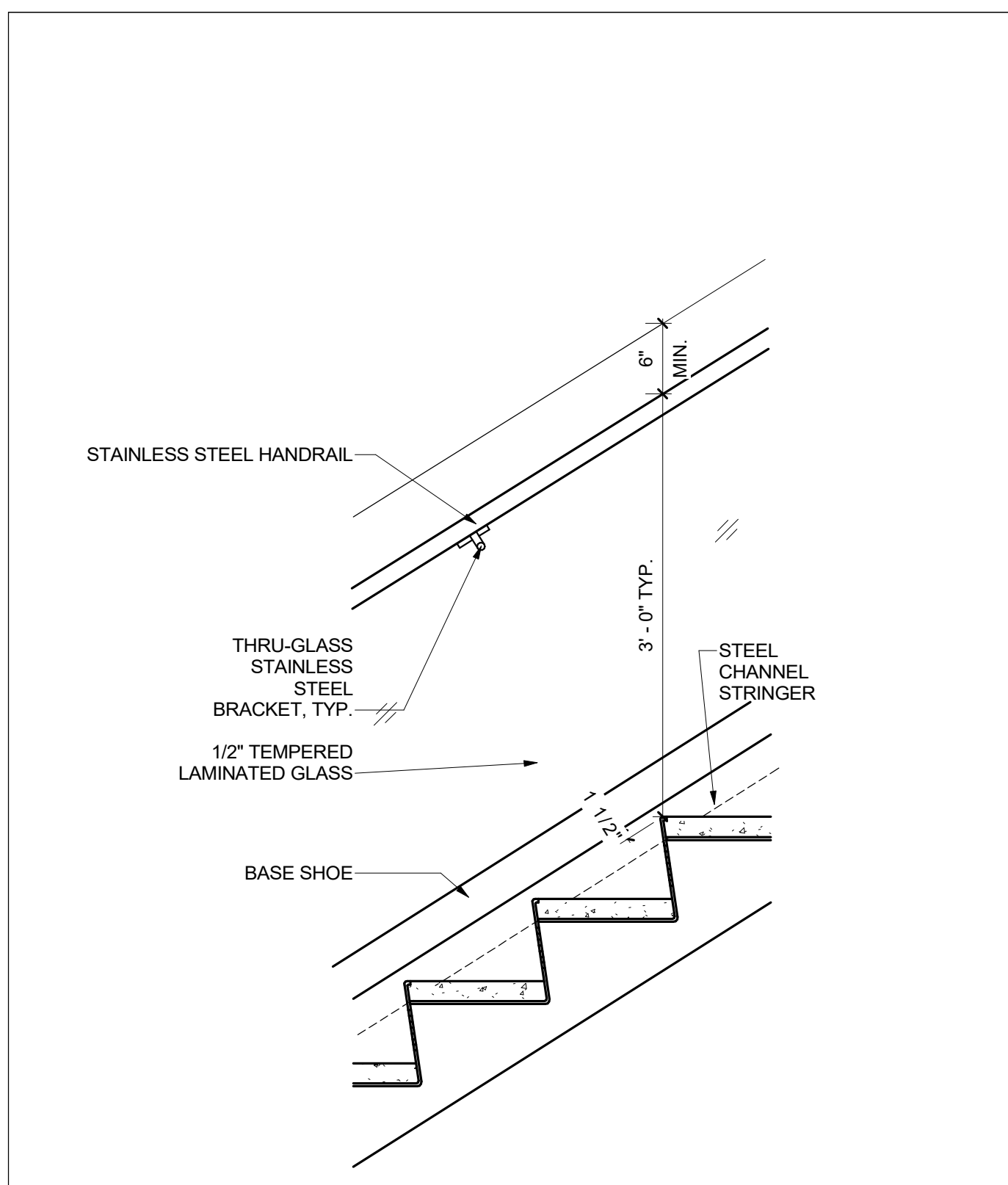




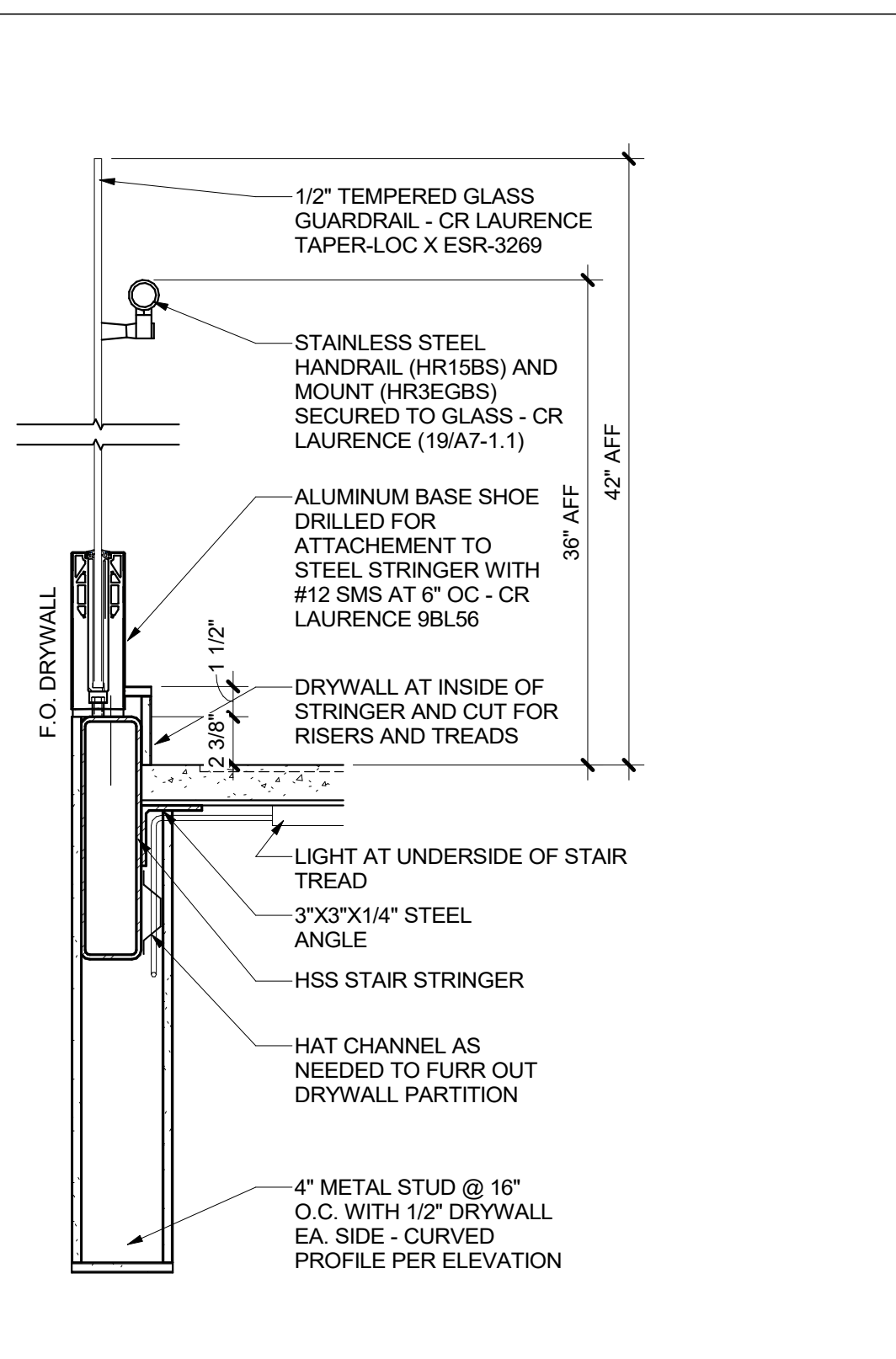




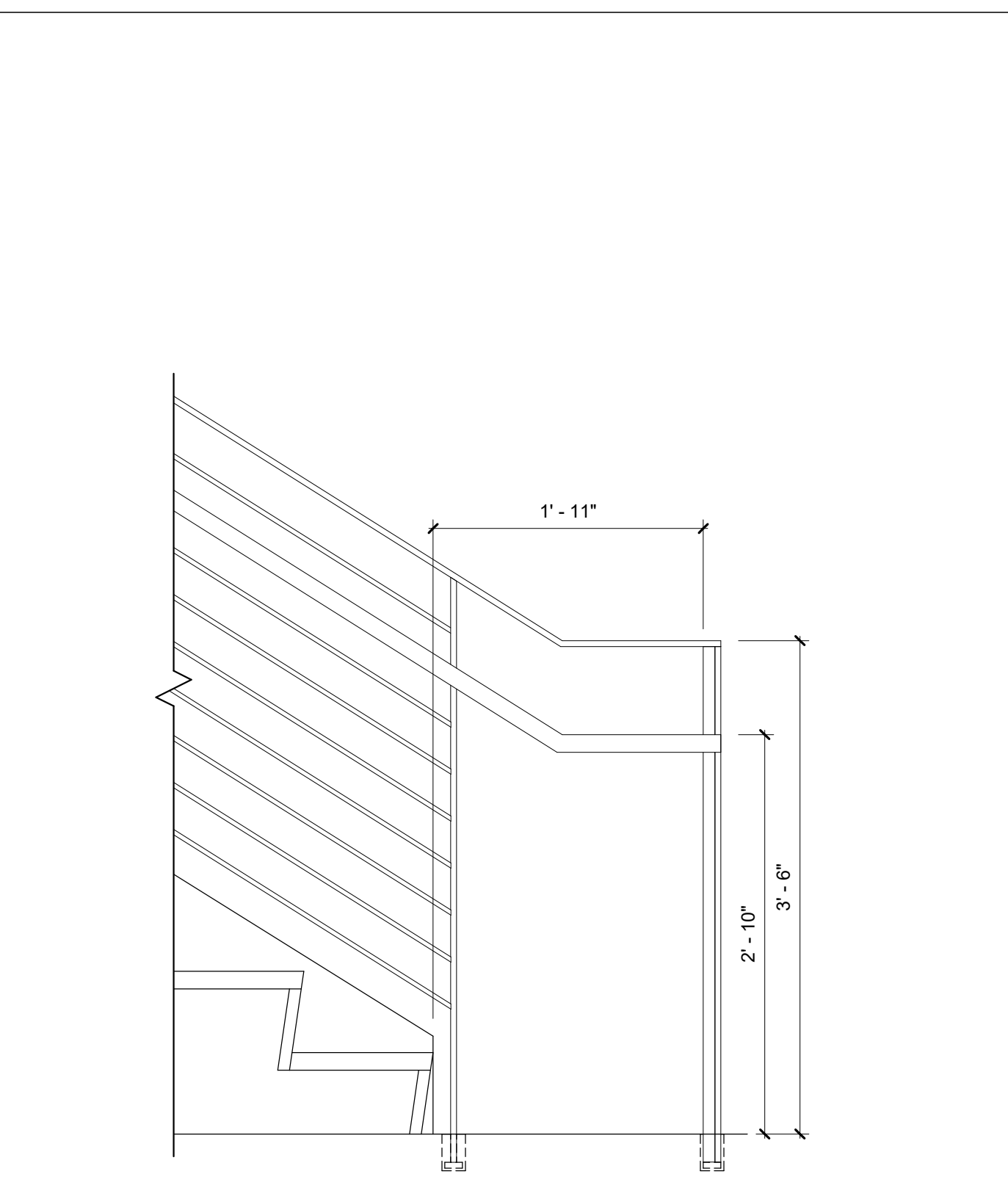




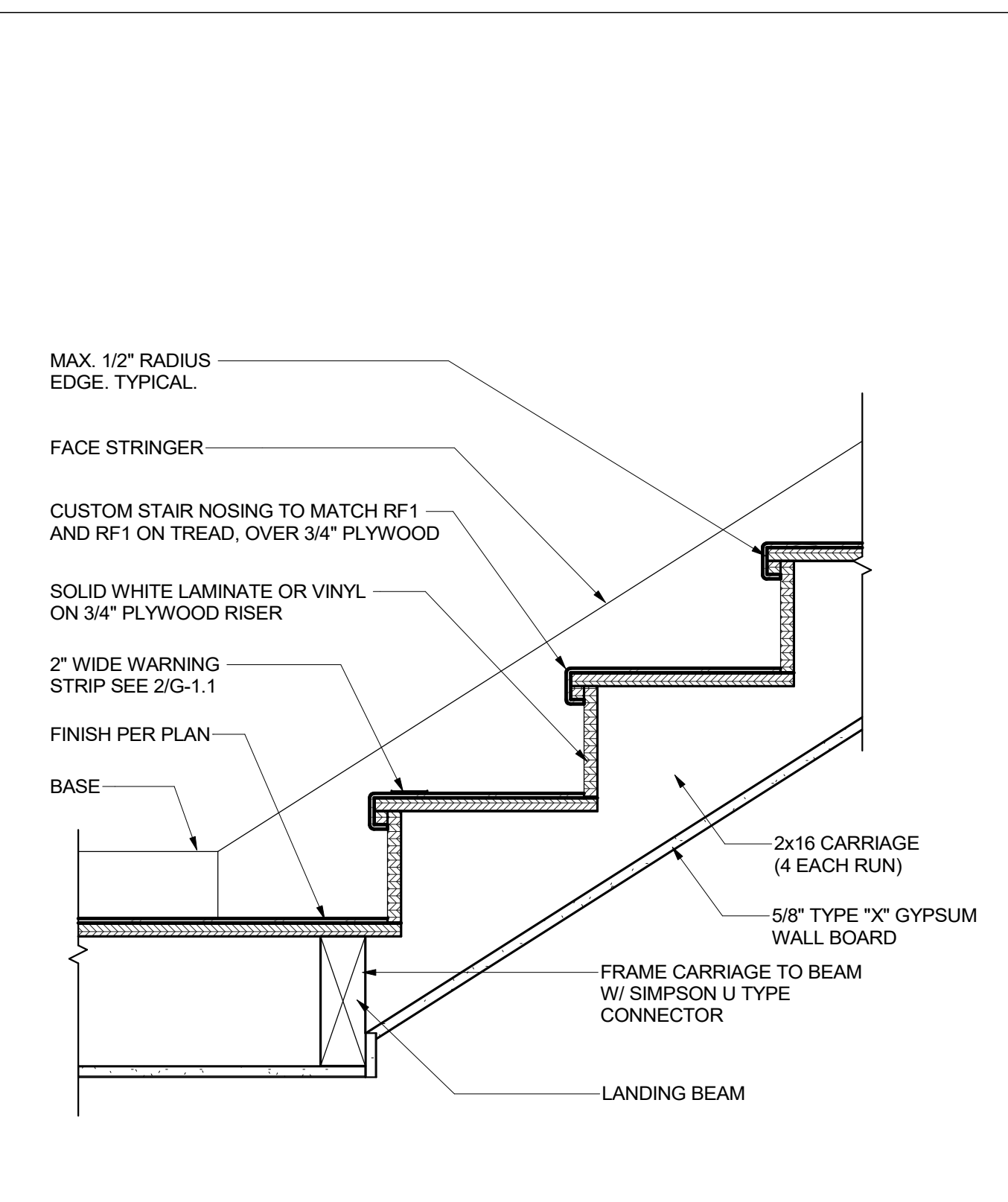
GLASS HANDRAIL  
20  
1" = 1'-0"



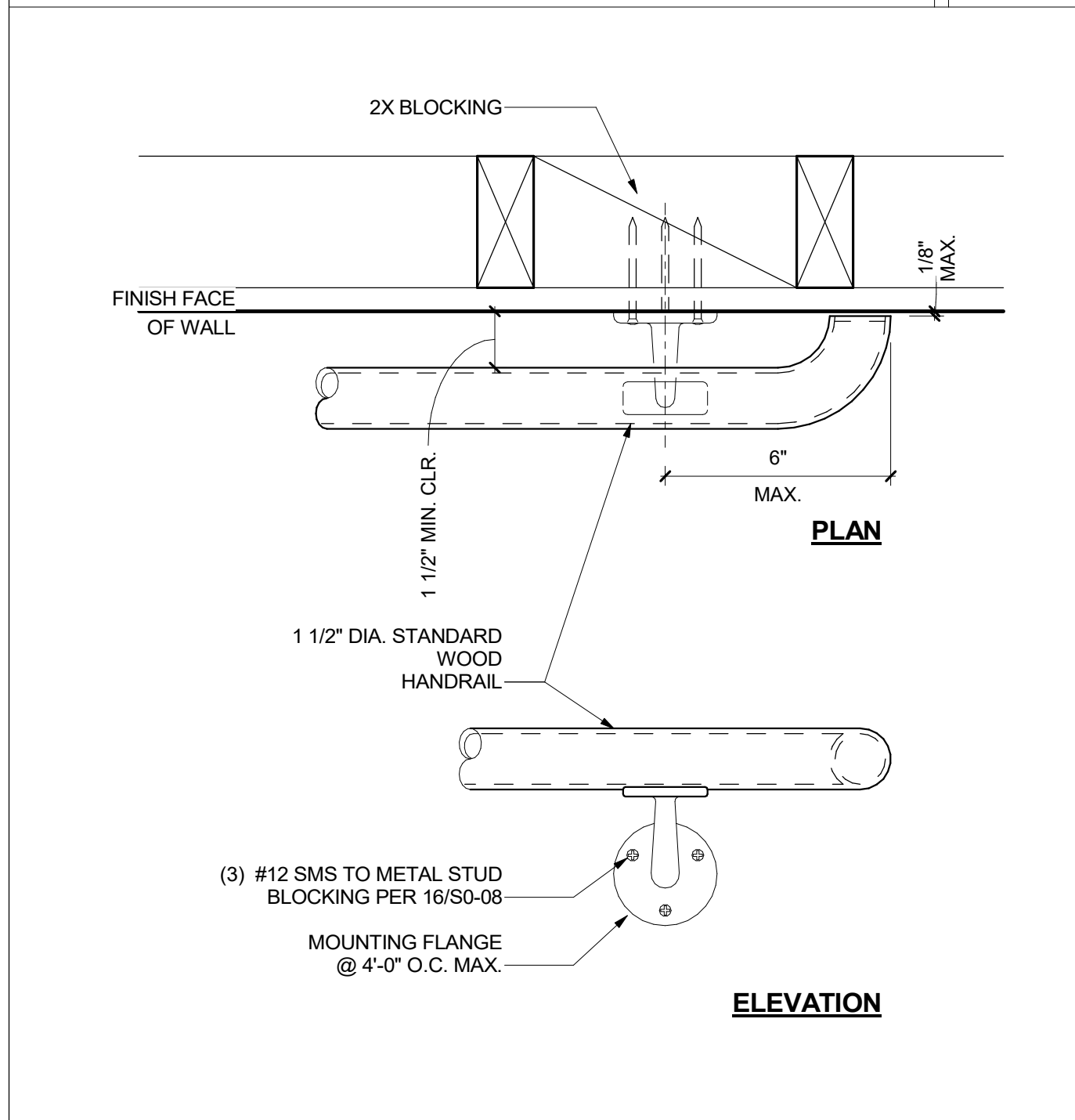
SECTION AT GLASS GUARDRAIL  
16  
1 1/2" = 1'-0"



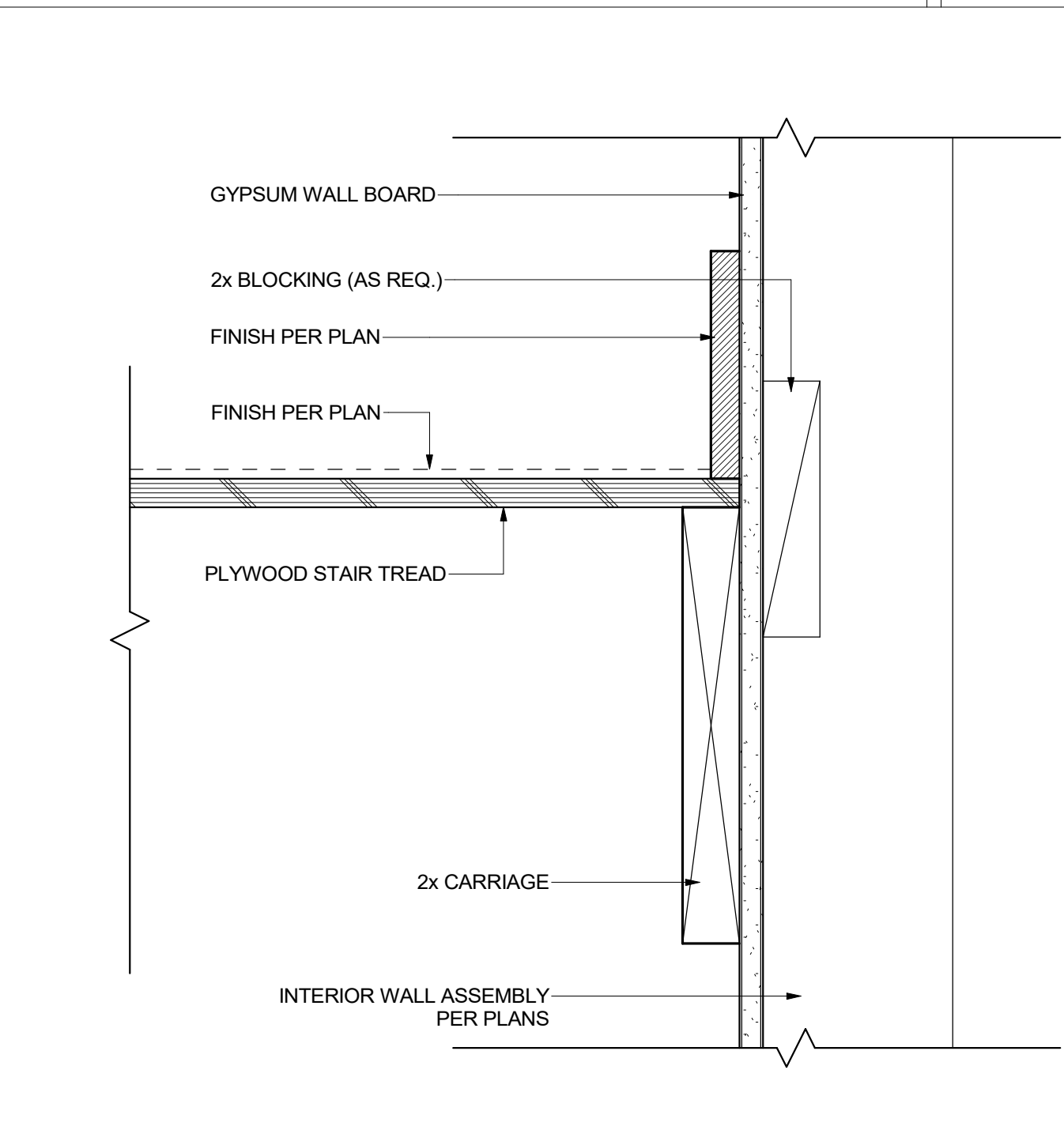
STAIR - LANDING TO FLOOR  
12  
1" = 1'-0"



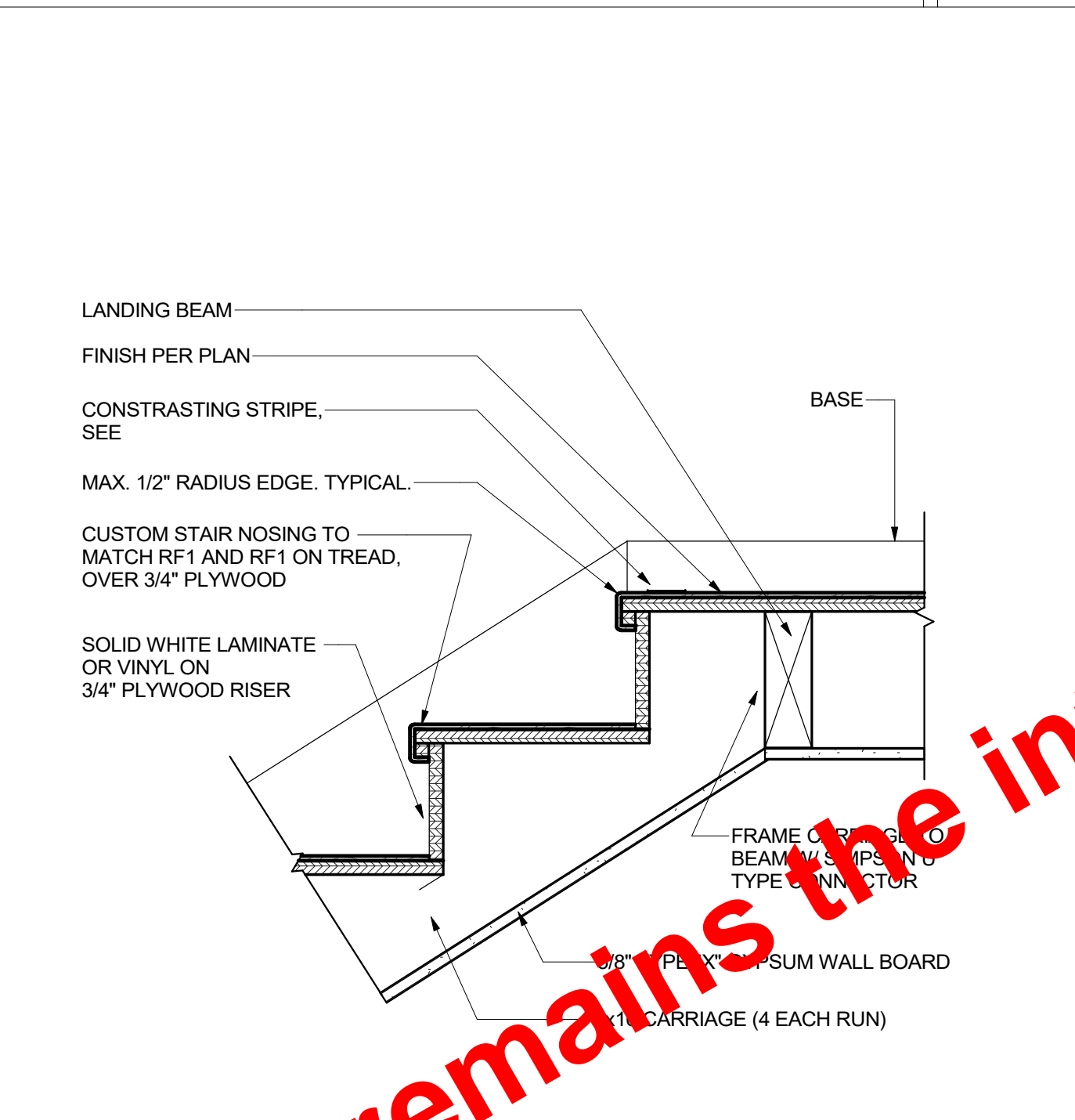
STAIR AT INTERMEDIATE LANDING - UP  
8  
1 1/2" = 1'-0"



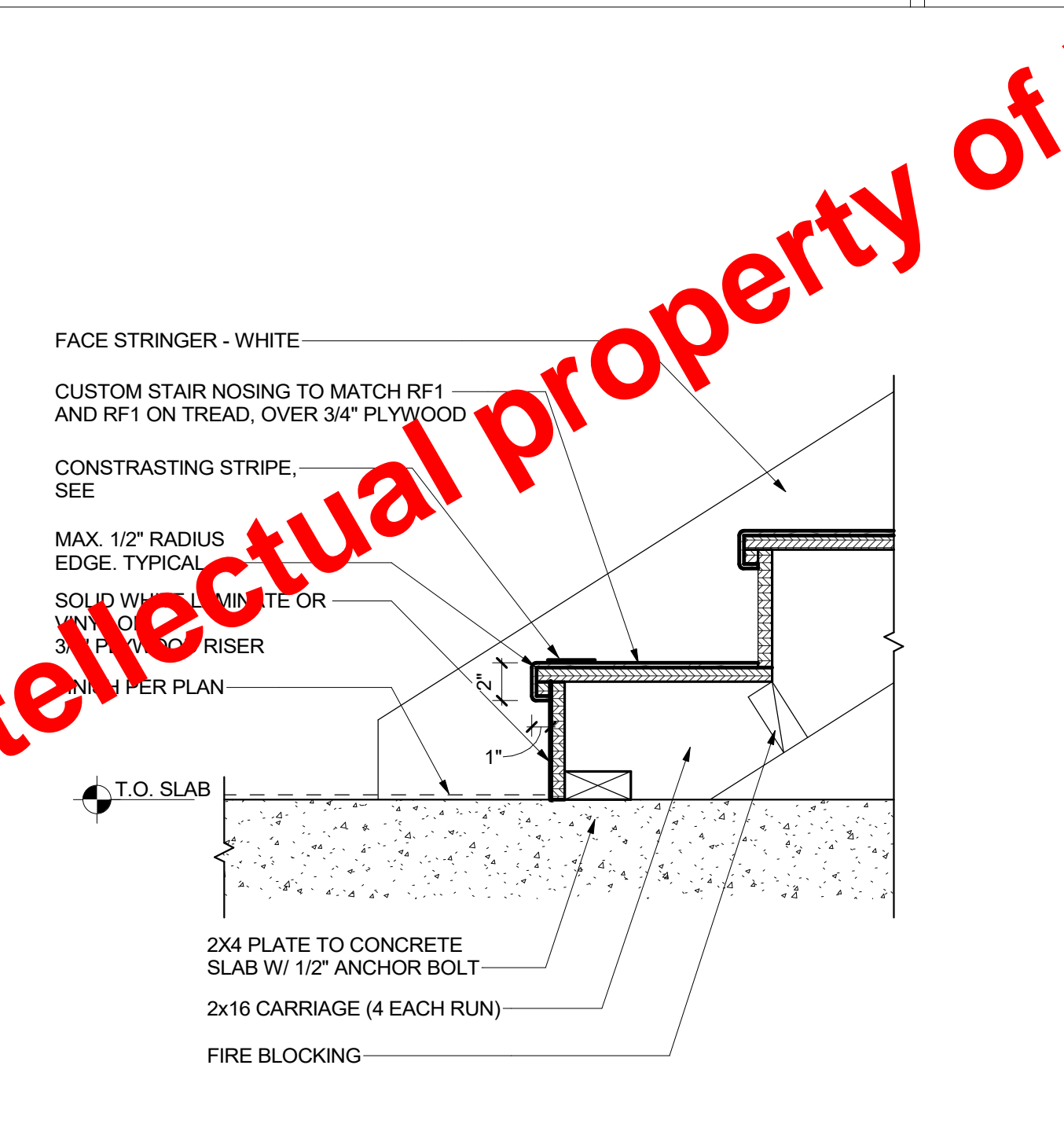
WALL MOUNTED HANDRAIL  
19  
3" = 1'-0"



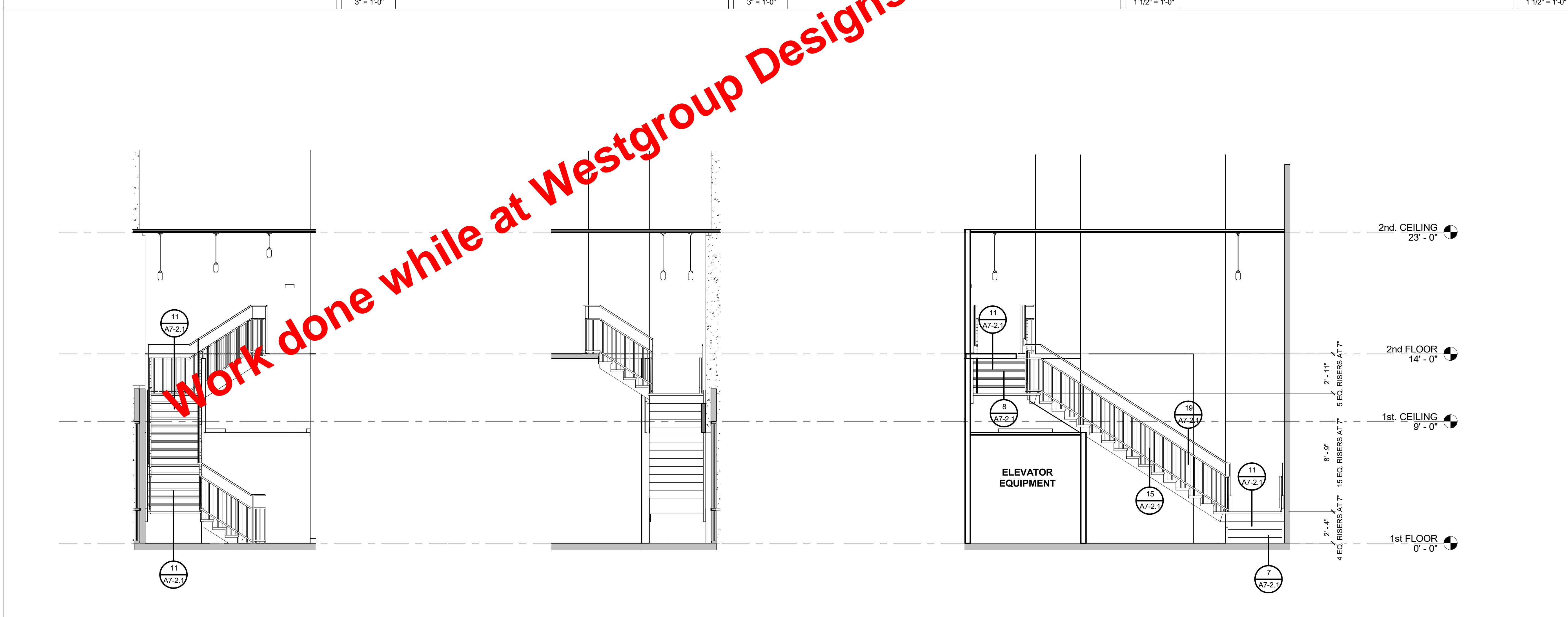
STAIR-WALL STRINGER  
15  
3" = 1'-0"



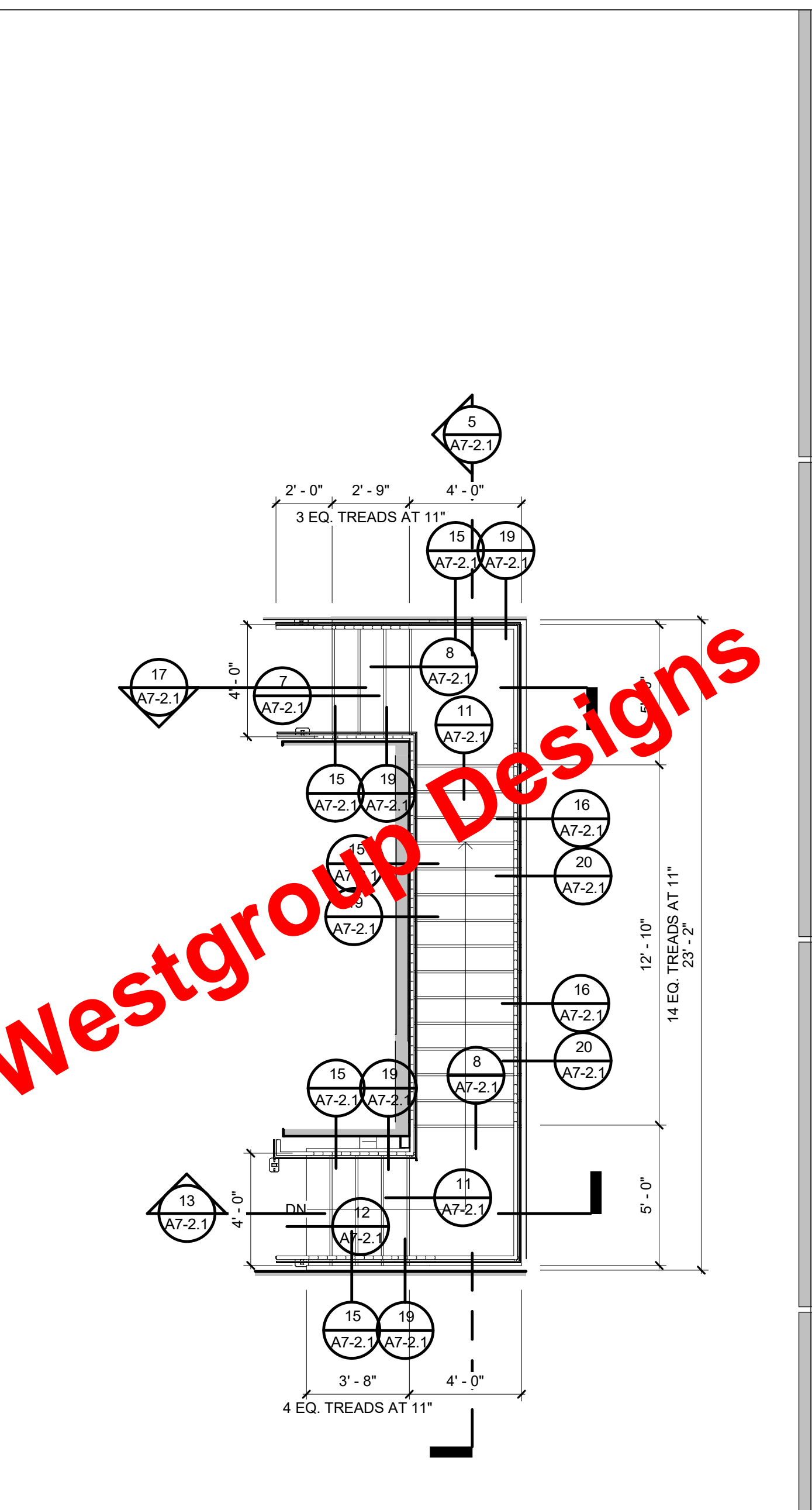
STAIR AT INTERMEDIATE LANDING - DOWN  
11  
1 1/2" = 1'-0"



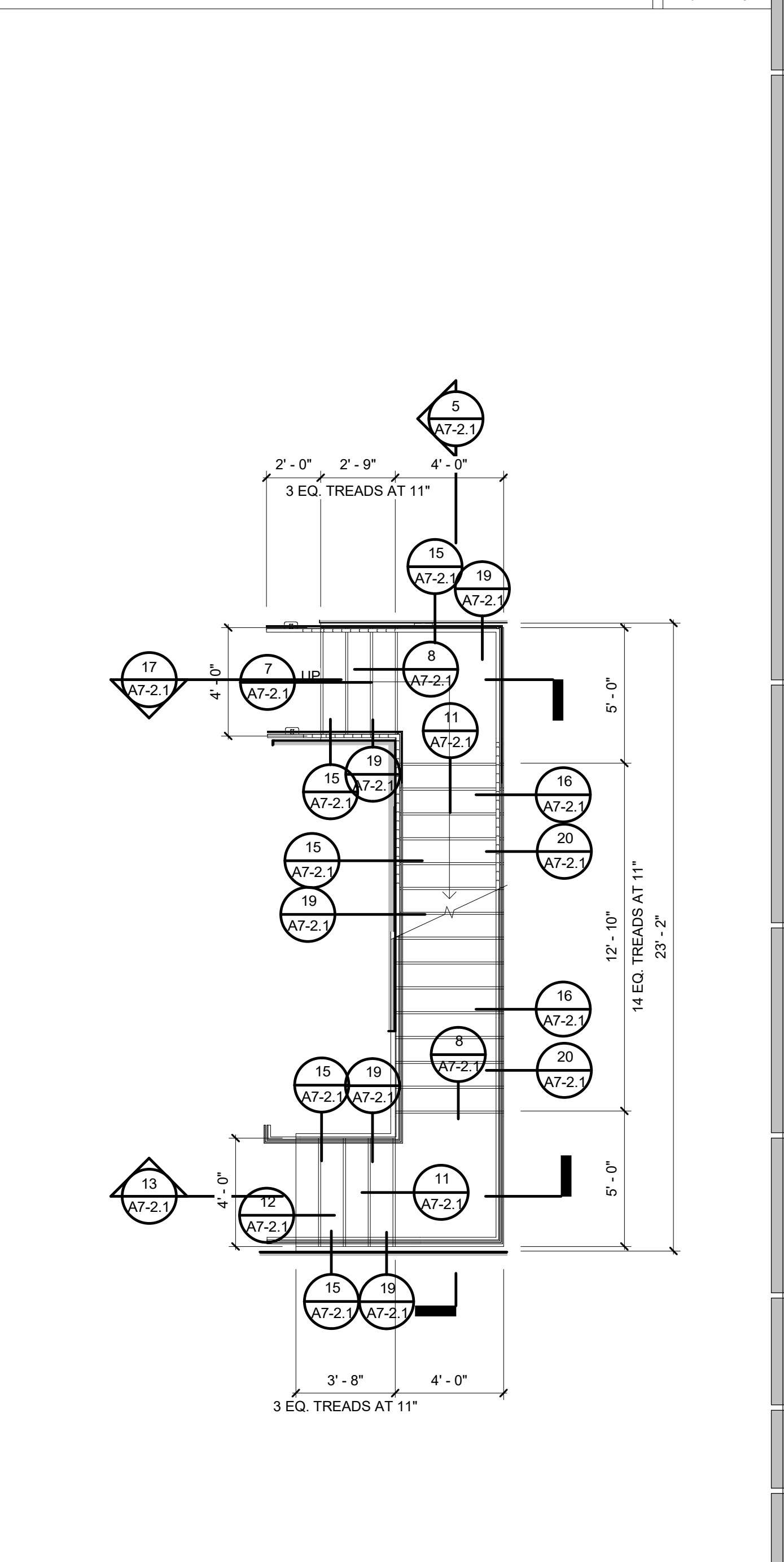
STAIR AT FIRST FLOOR CONCRETE SLAB  
7  
1 1/2" = 1'-0"



STAIR SECTIONS  
5  
1/4" = 1'-0"



SECOND FLOOR - STAIR PLAN  
3  
1/4" = 1'-0"



FIRST FLOOR - STAIR PLAN  
1  
1/4" = 1'-0"



