

265-275 DARTMOUTH

JAMESTOWN

265-275 DARTMOUTH STREET
BOSTON, MA

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DESIGN DEVELOPMENT



No.	Description	Date

Scale 1/8" = 1'-0"
Project Number 2017.87
Date 08/18/2017
Drawn by JWC
Checked by TT

X-1
ELEVATION



1 NEWBURY STREET ELEVATION
1/8" = 1'-0"

265-275
DARTMOUTH
JAMESTOWN

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X-2
ELEVATION



1 DARTMOUTH STREET ELEVATION
1/8" = 1'-0"

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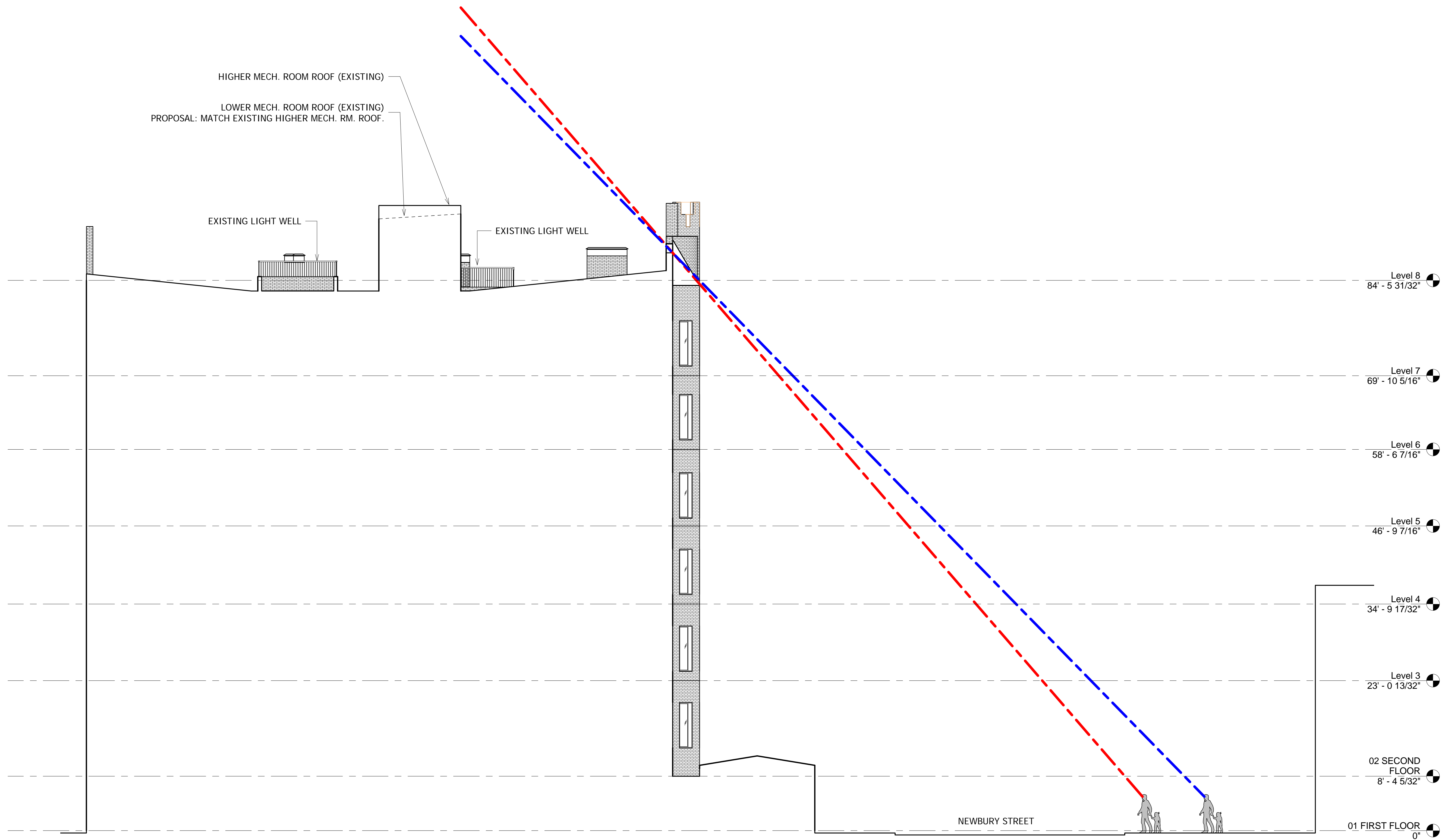
DESIGN DEVELOPMENT



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X-3
VIEW TRAJECTORY



Level 8
84' - 5 31/32"

Level 7
69' - 10 5/16"

Level 6
58' - 6 7/16"

Level 5
46' - 9 7/16"

Level 4
34' - 9 17/32"

Level 3
23' - 0 13/32"

02 SECOND FLOOR
8' - 4 5/32"

01 FIRST FLOOR
0"

NEWBURY STREET

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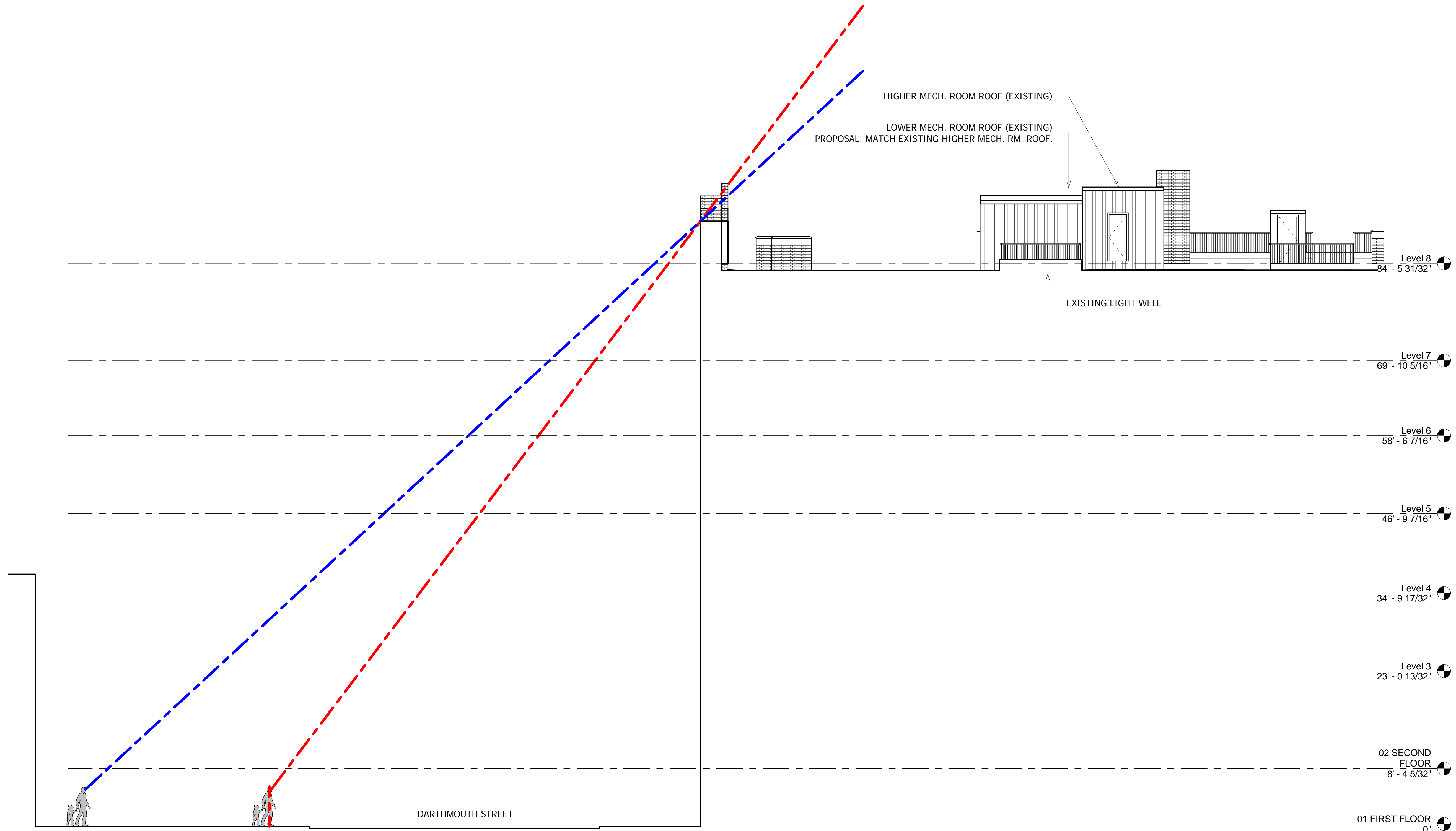
DESIGN DEVELOPMENT



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X-4
VIEW TRAJECTORY



265-275
DARTMOUTH

JAMESTOWN

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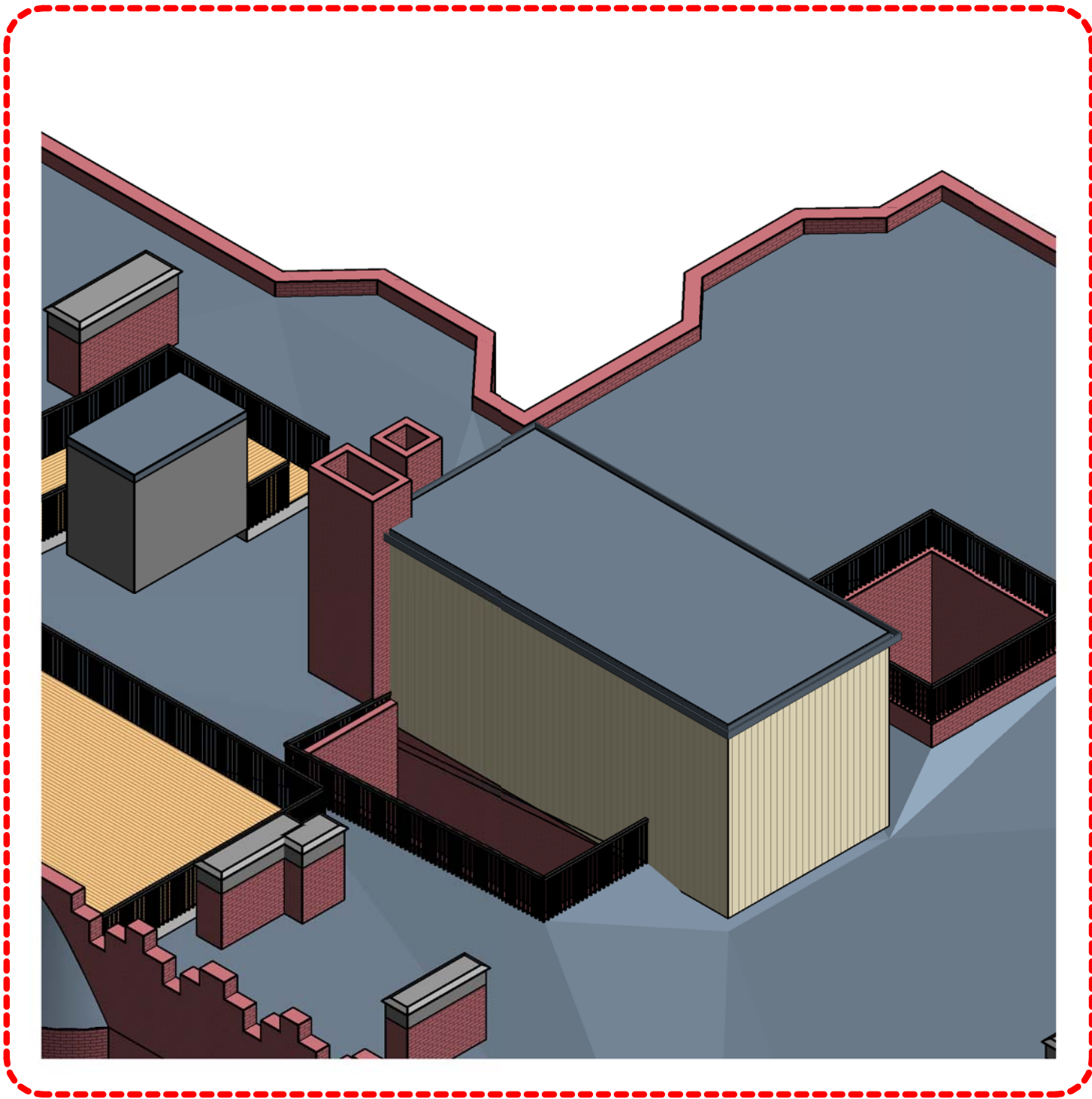
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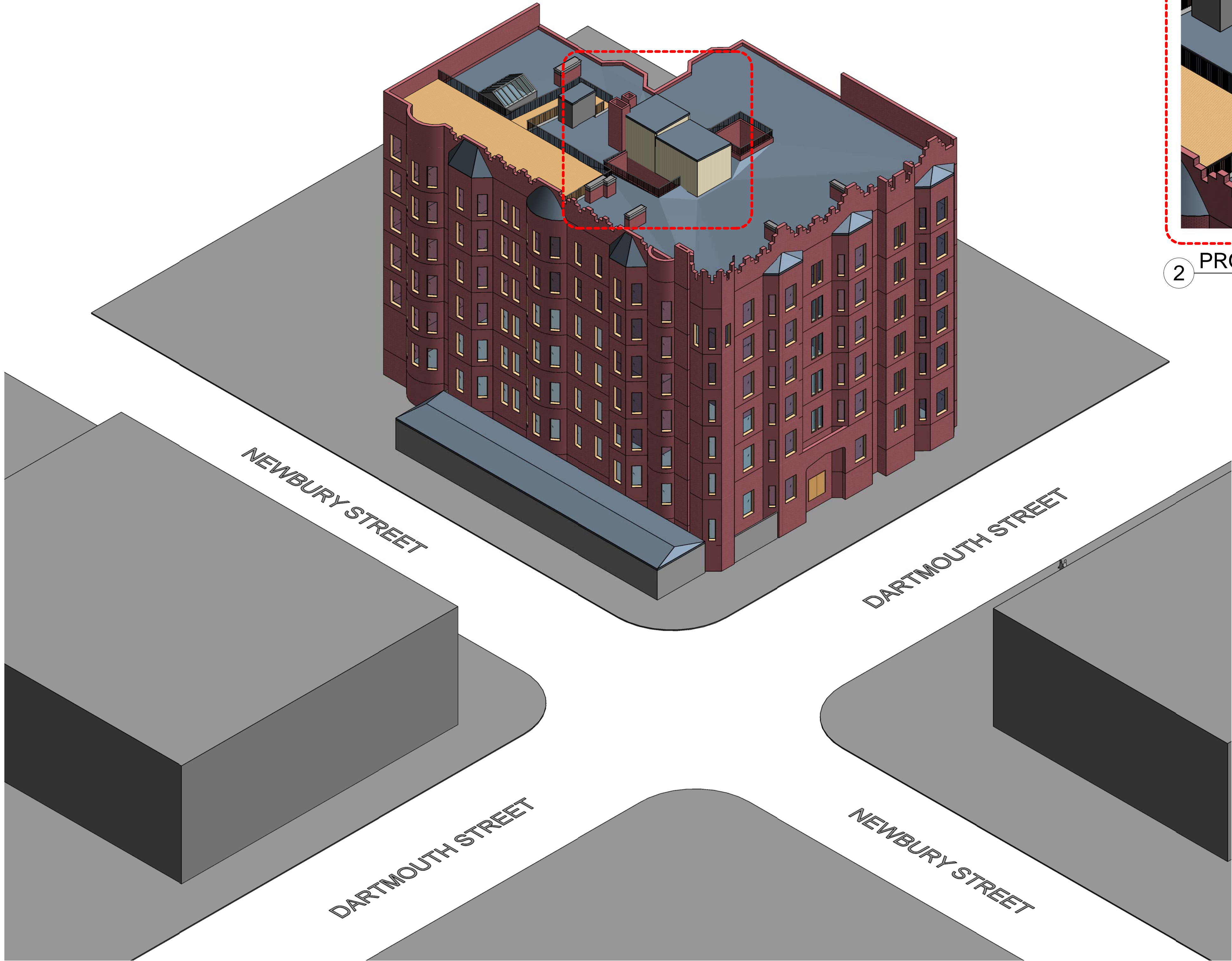
No.	Description	Date

Scale	
Project Number	2017.87
Date	08/18/2017
Drawn by	JWC
Checked by	TT

X-5
PERSPECTIVE



2 PROPOSAL



1 EXISTING

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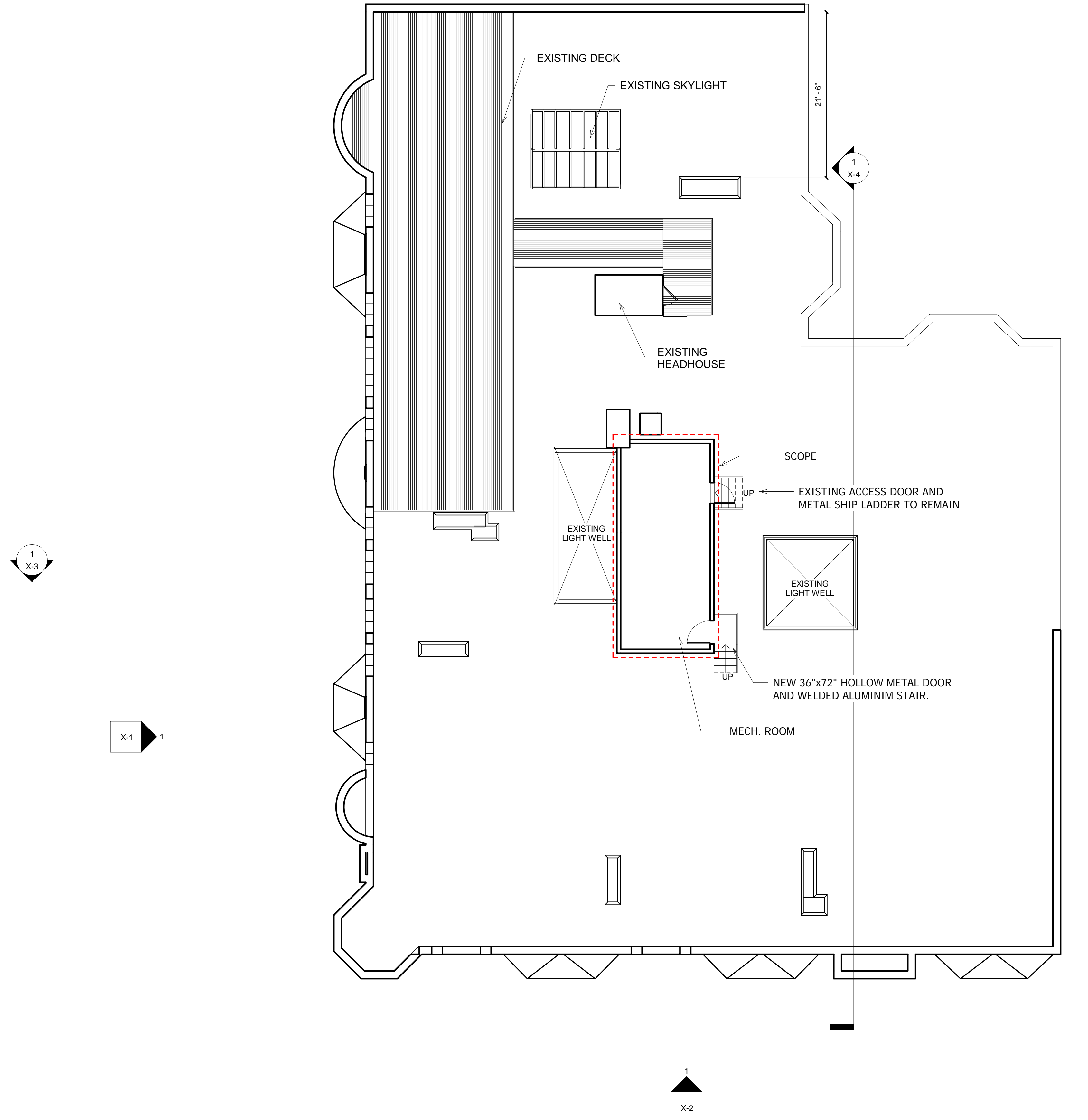
DESIGN DEVELOPMENT



No.	Description	Date

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Project Number 2017.87
Date 08/18/2017
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X-6 ROOF PLAN



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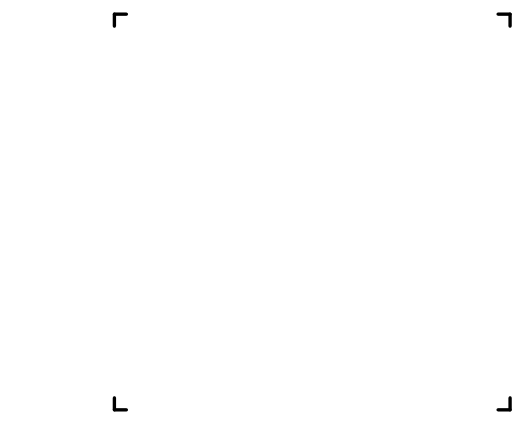


EXISTING CONDITIONS



- EXISTING LOWER ROOF TO MATCH HIGHER ROOF
- STANDING SEAM COPPER
- METAL DOOR
- WELDED ALUMINUM STAIRS

PROPOSAL



DESIGN DEVELOPMENT

No.	Description	Date

Scale	
Project Number	2017.87
Date	08/18/2017
Drawn by	Author
Checked by	Checker

X-7
PHOTOS



About the product

Steelcraft T20, T18, T16, and T14 Series flush doors are designed to meet the architectural requirements for Temperature Rise rated full flush doors. Refer to the Architectural section for specifications and the selection and usage guide of the appropriate door constructions. To meet application, specification and performance requirements, the T Series door offers a wide range of specifiable options including sizes, glass light designs, optional edge constructions and hardware (mechanical, pneumatic, electrical) preparations.

T Series doors are 1-3/4" (45mm) thick.

Installation

1. Installation shall conform to the published Steelcraft installation instructions, ANSI A250.11-2001 (formerly SDI 105) *Recommended Erection Instructions for Steel Frames and HMMA 840*.
2. Fire Rated Assemblies must be in accordance with NFPA Pamphlet 80. The *Authority Having Jurisdiction* is the final authority on issues related to the installation and use of installed Fire Rated Doors.

Features and benefits

Steelcraft's T Series doors offer the following standard unique features, which enhance long term performance and durability:

1. **Mineral board core** provides a 250°F (121°C) Temperature Rise rating or 450°C (232°C) at 30 minutes of test exposure, depending on hardware application.
2. **Full Height, Epoxy Filled Mechanical Interlock Edges** provide structural support and stability the full height of the door edges. Available edge options:
 - **Visible Edge Seam** (standard): full height, epoxy filled mechanical Interlocked edges with tack welds
 - **Filled Edge Seam (optional add to standard)**: seam filled with structural adhesive and dressed smooth.
 - **Welded Edge Seam (optional add to standard)**: intermittently welded using 1" long welds, then seam filled with structural adhesive and dressed smooth. Option available on T18, T16 and T14.
3. **Universal Hinge Preparations** (patented) allow for easy field conversion from standard weight .134" (3.3mm) hinges to heavy weight .180" (4.7mm) hinges.
4. **14 Gauge [0.067" (1.7mm)] Inverted Top and Bottom Channels** provide stability and protection for the top and bottom edges from abuse.
5. **Beveled Hinge and Lock Edges** allow for tighter installation tolerances, ensure easier operation and eliminate binding and sticking.
6. **Recessed Designer™ Glass Trim** provides a clean, neat and flush finish with the door surface.
7. **Factory Applied Baked-On Rust Inhibiting Primer** paint in accordance with ANSI A250.10-1998.

Specification compliance

1. Door construction for Steelcraft T Series full flush doors meets the requirements of ANSI A250.8-2003 (SDI 100).
2. Hardware preparations and reinforcements are in accordance with ANSI A250.6-2003. Locations are in accordance with ANSI/DHI A115 unless otherwise stated.

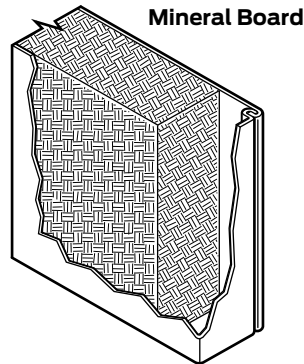
Fire ratings

T Series doors meet the broadest fire rating requirements. They are listed for installations requiring compliance to both neutral pressure testing (ASTM E152 and UL-10B) and positive pressure standards (UL-10C).

Core construction

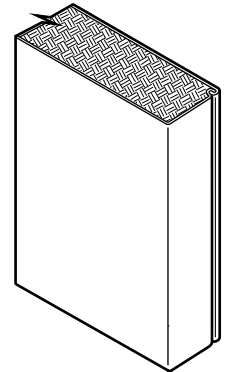
Standard T Series Core

- Mineral Fiber board core
 - 250°F (121°C) Temperature Rise rating
 - single point locks
 - exit hardware
 - 450°F (218°C) Temperature Rise rating
 - single point locks
 - exit hardware
 - doors prepared for INPACT™ exit devices
 - pairs of doors with two (2) vertical rod exit devices (without astragal)
- Fire label ratings up to 3 hours
- Laminated to inside faces of both door panels with contact adhesive



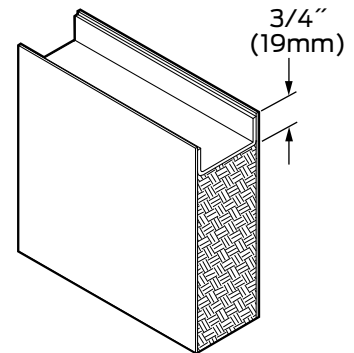
Standard Premium Edge Construction

- Beveled hinge & lock edges
- Full height mechanical interlock with epoxy adhesive
- Visible edge seam standard, with tack welds above and below edge cutouts for hinges, locks, etc.
- Seamless edge optional



Standard Rigid 14 Gauge End Channel Construction

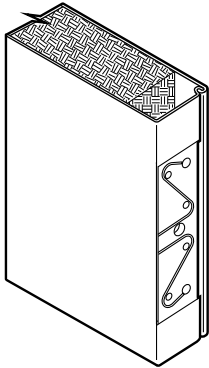
- 14 gauge inverted galvanized top & bottom channels
- Projection welded to both face sheets
- For optional caps, see ["Top & bottom caps" on page 156.](#)



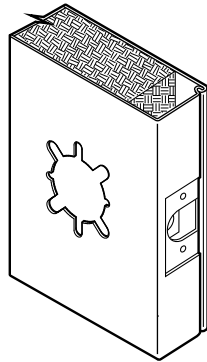
Door application and usage			
Series	Steel Thickness	Opening	Usage Frequency
T20	20 Ga (0.8mm)	Interior: Cold Rolled Steel	Standard Duty
T20	20 Ga (0.8mm)	Exterior: Galvanized Steel	Light Commercial applications with minimal use and abuse
T18	18 Ga (1.0mm)	Interior: Cold Rolled Steel	Heavy Duty
T18	18 Ga (1.0mm)	Exterior: Galvanized Steel	Heavy Commercial & Institutional applications with high use
T18	16 Ga (1.3mm)	Interior: Cold Rolled Steel	Extra Heavy Duty
T18	16 Ga (1.3mm)	Exterior: Galvanized Steel	Extra Heavy Commercial applications with potential of very high use
T14	14 Ga (1.7mm)	Interior: Cold Rolled Steel	Maximum Duty
T14	14 Ga (1.7mm)	Exterior: Galvanized Steel	Extra Heavy Commercial applications with extremely high use

Standard hardware preparations

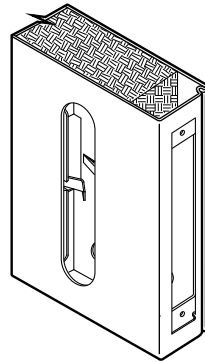
Typical hardware applications shown. Refer to “Hardware” section for more details.



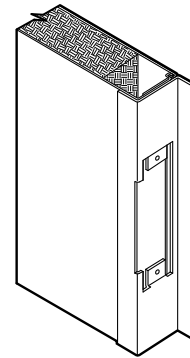
Universal Mortise Hinge Prep
7 Gauge Universal hinge reinforcement



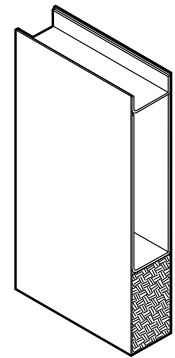
61L Lock



86 Lock



Inactive Leaf ASA Strike Prep with Astragal attached



Optional 14 Gauge Closer Reinforcement

Standard: mortised and reinforced for

- Patented Universal hinge preparations allow for easy field conversion from standard 4-1/2" x .134" standard weight hinges to 4-1/2" x .180" heavy weight hinges. Optional hinge preparation for 5" x .146" standard weight hinges or for 5" x .190" heavy weight hinge are also available.
- The cylindrical 161, 61L and mortise 86 lock preps are the most commonly used active leaf preparations. The 4 7/8 (124mm) strike prep is the most commonly used inactive leaf preparation.
- Optional reinforcements for surface and concealed Closers are available.
- Special hardware applications are available.

Door Sizes and ANSI A250.8 Conversions

Steelcraft product selection for T Series doors has been matched to ANS/SDI Level and Model designations.

- In accordance with ANSI A250.8, core material is not specific to the level or model designations. Core material selection is specified based on preference and application.
- Recommended minimum frame gauge also applies to the frequency of operation of the opening.

Series	ANSI A250.8 - SDI 100			Edge Construction	Edge Maximum Sizes		Recommended Gauge of Frame
	Level	Model	Description		Single	Pair	
Level 2: Heavy Duty Commercial & Institutional							
B18	2	1	Full Flush	Visible	4'0" x 10'0" 1219mm x 3048mm	8'0" x 10'0" 2438mm x 3048mm	16 Gauge [0.053" (1.3mm)]
BF18		2	Seamless	Filled			
BW18		2	Seamless	Welded			
Level 3: Extra Heavy Duty Commercial & Institutional							
B16	3	1	Full Flush	Visible	4'0" x 10'0" 1219mm x 3048mm	8'0" x 10'0" 2438mm x 3048mm	16 Gauge [0.053" (1.3mm)]
BF16		2	Seamless	Filled			
BW16		2	Seamless	Welded			
Level 4: Maximum Duty Commercial & Institutional							
B14	4	1	Full Flush	Visible	4'0" x 10'0" 1219mm x 3048mm	8'0" x 10'0" 2438mm x 3048mm	14 Gauge [0.067" (1.7mm)]
BF14		2	Seamless	Filled			
BW14		2	Seamless	Welded			

Door edge construction

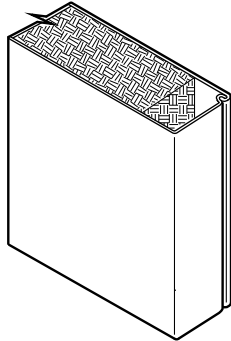
Optional Edge Seams available in the T Series doors:

- **TF:** the mechanical edge seam is tack welded, filled, and dressed smooth prior to applying the factory primer.
- **TW:** the mechanical edge seam is welded and dressed smooth prior to applying the factory primer.

Standard Visible Edge Seam

T Series Visible Seam Features

- Full height mechanical interlock
- Interlock is tack welded and filled with epoxy adhesive
- Visible edge seam with tack welds



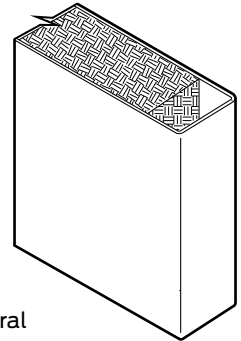
Optional Seamless Edge

TF Series Seam Filled Features

- Standard Visible Edge Seam is filled with structural adhesive and dressed smooth
- No visible edge seam

TW Series Seam Welded Features

- Standard Visible Edge Seam is intermittently welded using 1" long welds
- Edge Seam is then filled with structural adhesive and dressed smooth
- No visible edge seam

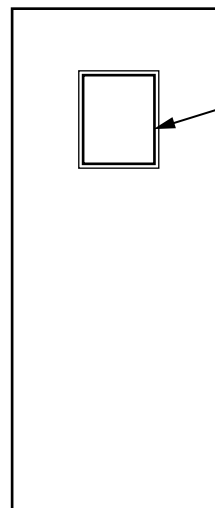
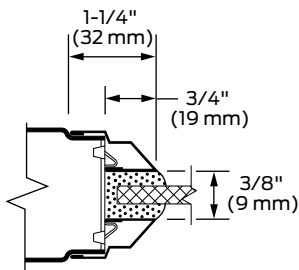


Glass light options

(Refer to the Lights and Louvers section for further details and options – maximum 100 square inch of exposed glass)

Designer® Trim

- Standard for 1/4" Thick Glass
- Optional for 1/2" Thick Glass



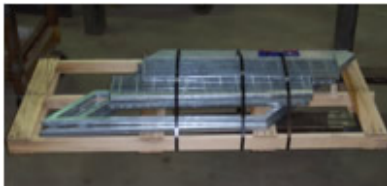
Note: Glazing type and thickness vary per job requirements. Max. 100 square inch exposed.

WELDED ALUMINUM PREFAB STAIRWAYS

OSHA DESIGN



Nominal 45 Degree angle of rise



Shipped as 2 welded side frames and 1 bundle of treads for bolted assembly.

STRONG-ATTRACTIVE-WEATHER RESISTANT

Current (2017) Acceptable Usage: For heights up to 48" for all industrial/commercial uses or for non-routine, non-regular travel between levels up to 144" for industrial/commercial maintenance access and industrial/commercial storage access. This is an industrial stair not acceptable for public access. Per OSHA Regulation 1910.25 (b) (7) below these stairs should not be used for regular and routine travel between levels except for the conditions listed above.

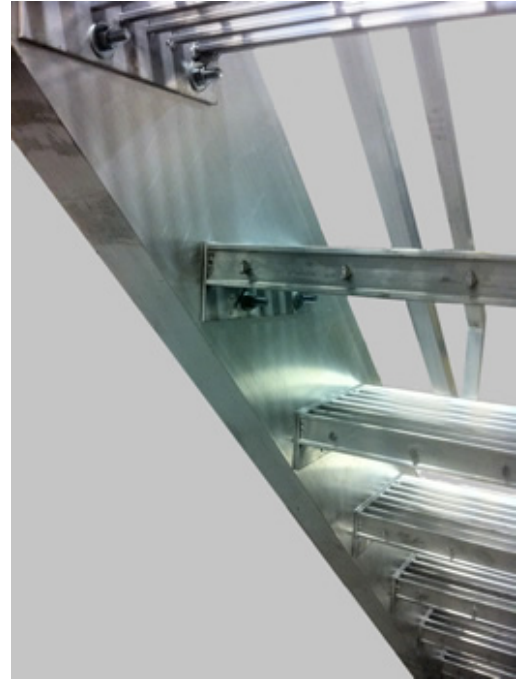
Please Note: The buyer is responsible to verify the suitability of this stair design for his or her particular use or application.

STEEP INCLINE MILL FINISH ALUMINUM STAIRWAYS

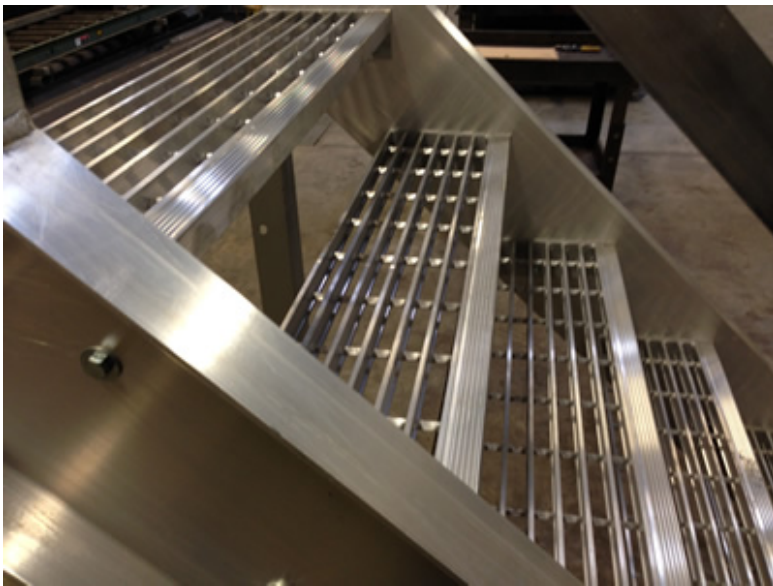
- Quality engineered to your specific height requirements at a nominal 45 degree angle of rise.
- Designed for safety and convenience.
- Heavy duty aluminum I bar grating stair treads won't sag or dish (supplied as standard).
- Factory welded handrails of 1 1/2" x .125 aluminum (6063-T52) square tubing.
- 10" x 2.6" aluminum (6061-T6511) structural channel stringers.
- Fire proof construction.
- Meets OSHA requirements. See OSHA standard 1910.25 (Fixed Industrial Stairs) listed below price table.
- Standard 36" wide treads, 41 1/4" overall stair width. Other widths available upon request.
- Tread depths are 9 1/2" for diamond plate, and 9 13/16" for I bar grating treads.
- Stainless Steel assembly hardware included.



Top of Welded Aluminum Handrail



Rear View of Bolted Tread Connection



**Aluminum I Bar Grating with Stainless Steel Assembly Hardware
Treads provided with corrugated aluminum nosing.**



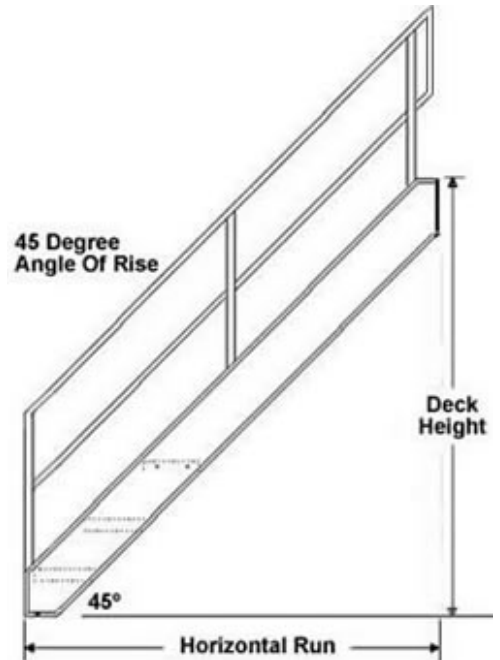
Bottom Lug Plate



OSHA stair shown **with optional horizontal extension.**



Top Connection Plate



***Important Note When Ordering:** Specify actual floor to floor height when ordering. Stairways are custom designed to meet your height requirements. **Other sizes available upon request.*

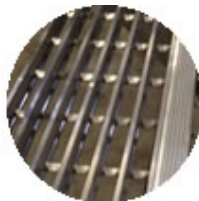
CUSTOM SIZES - SAME DAY QUOTES

Custom sizes and configurations are readily available. We provide same day price quotes if you require a special stair angle, specific tread rise/run, or a maximum horizontal stair run to satisfy available floor space constraints.

PRICING FOR OSHA STAIRS WITH MILL FINISH ALUMINUM FRAME

This is a steep incline stair not acceptable for public access, office use, or residential applications.

Aluminum Stair Treads



I Bar grating stair treads with corrugated aluminum nosing are safe, self-cleaning, skid-resistant and economical.



9 1/2 " aluminum diamond plate open riser