Miller Dunwiddie Architecture **12**

NAME OF APPLICANT WARD

PROPERTY ADDRESS

4901 Minnehaha Avenue

FILE NUMBER

BZH-28212

Bing Bird's Eye View: Minnehaha Park

Minnehaha Refectory, 1905

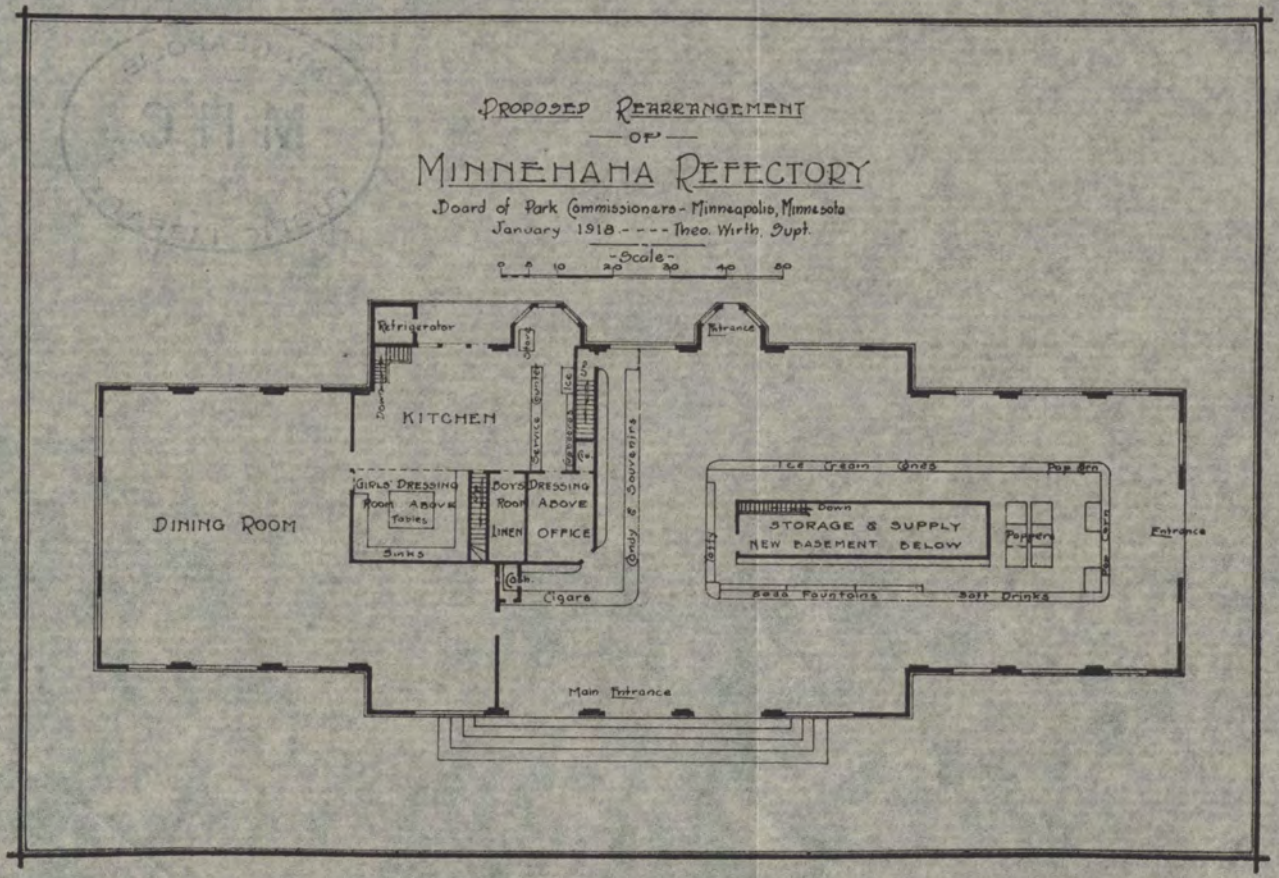
Courtesy of the Minneapolis Photo Collection, Hennepin County Library

Minnehaha Refectory c. 1905

Courtesy of the Minneapolis Photo Collection, Hennepin County Library

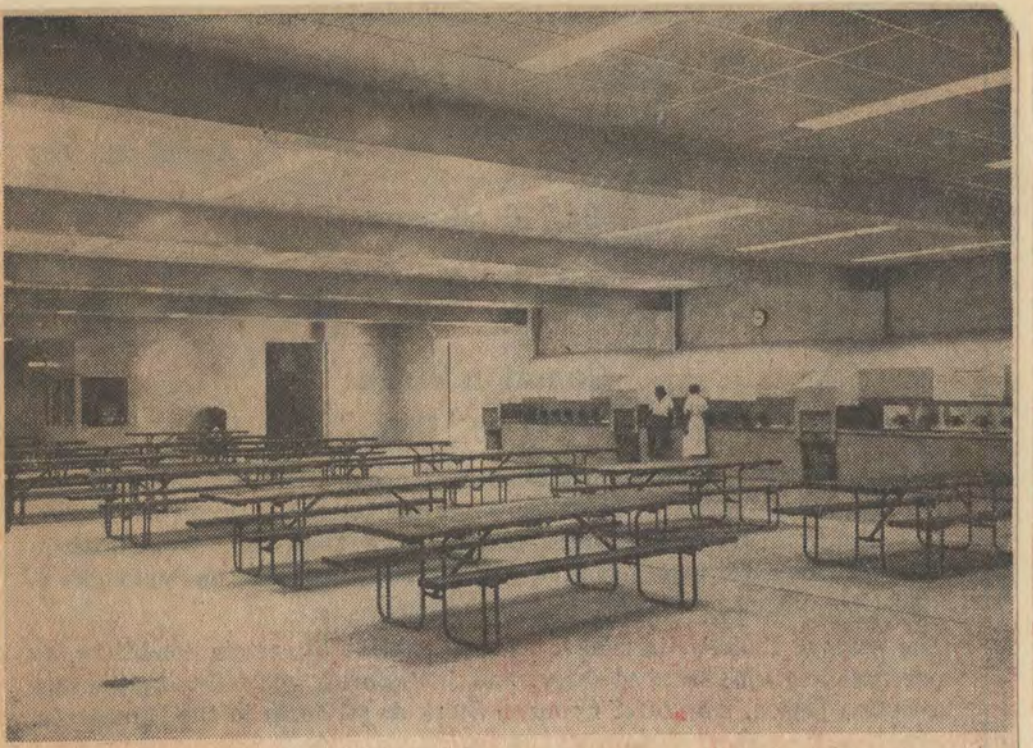
LakesnWoods Postcard Collection

Minnesota Historical Society



Courtesy Minneapolis History Collection and Special Collections, Hennepin County Library

MINNEAPOLIS COLLECTION



ELECTRIC BURNERS, TABLES AT REMODELED REFECTORY

★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★ ★

GAY 90s BUILDINGS GONE

Minnehaha Park Takes on New, Modern Touch

By ABE ALTROWITZ
Minneapolis Star Staff Writer

As a mecca for out-of-town visitors Minnehaha falls is second to none, and now the park board has launched a program to give adjoining facilities the modern touch.

Restroom buildings dating back to the gay 90's are "out." Ditto an old service building and an old picnic building. S-8-21-58

Taking over the functions of these old structures is the newly-remodeled refectory, which has risen spank and new from the "ashes" of the old.

When the park board asked for bond funds for the remodeling job one alderman protested that it would be no more than a "glorified comfort station."

But visitors are taking it to their hearts and there are "ohs and ahs" at the sweep of space and facilities, the glistening walls of yellow background with brown speckles, the re-design which provides a more efficient refectory unit better meeting health standards, new toilet facilities and an indoor picnic area with tables and seats.

Papa and mama bringing little John and Mary to a Minnehaha falls picnic now ind 29 coin-operated electric plates and three coin-operated electric ovens, all inside the building.

There are similar plates and ovens on the outside of the building, and the usable space is twice what it formerly was.

The remodeled refectory building is only one phase of the Minnehaha park improvement program.

The old "up-and-down" roadways in the park have been resurfaced and vehicles no longer bounce. The bandstand has been refurbished. New lighting has been added about the grounds, as well as new tables and benches. New playground equipment is being added, and new fencing.

New steps are going in. So are new retaining walls.

The bridge of the creek is to have repair. And there's a job to be done on the bed of the stream that comes "laughing down" from the falls.

There remains one disappointment: the flow of water over the falls isn't what it used to be.

Even so, however, it's still the falls made famous by the poet, and still the No. 1 attraction for visitors.

MINNEAPOLIS MHC PUBLIC LIBRARY

Courtesy Minneapolis History Collection and Special Collections, Hennepin County Library

5-7-3-58

Minnehaha Park Has 'New Look'

Minnehaha park is getting a face-lifting.

The streamlined refectory, now open, has coin-operated electric plates which may be used for 10 cents for 20 minutes or 25 cents an hour. These replace "cooking with gas" or "cooking out." New lighting and modern toilets also have been installed in the refectory.

The old tourist park across the ravine from the falls has been remodeled into "the only picnic area in the country where picnickers can reserve tables."

Named "Wabun picnic area," this facility includes parking for 200 cars at 25 cents a car, toilets, vending machines for pop and candy, the kitchen with electric plates, fire grates and water outlets.

A children's playground is included. (Play equipment for softball, horseshoes, volleyball and similar group games may be rented at Minneapolis park board warehouse at 38th and Bryant Av., TA 2-5266. Deposit $10, refund $7.)

Picnic reservations at Wabun can be made by phoning the park board office, FE 2-1116, ext. 266. Large-group reservations require advance notice for park board action. Wabun hours are 8 a.m. to 10 p.m.

The modernization of Minnehaha park is expected to be completed in September at a cost of $275,000. Approximately $175,000 is for modernization of the refectory building. Eventually the old green buildings east of the refectory will be removed.

The first refectory building was constructed at Minnehaha park in 1903. It was a one-story Colonial frame structure situated at the top of the ravine facing the falls. It burned down in October 1904.

The present building, the one being renovated, was erected in 1905 for $17,500. The picnic shelter near the refectory was built in 1892.

Minnehaha park itself had an interesting beginning. A park for the Twin Cities was proposed by the Minneapolis Board of Trade in 1875. A committee was appointed to consider the proposal.

The St. Paul Chamber of Commerce appointed a similar committee, but reported that Minnehaha was not a proper place for such a park.

Hundreds of thousands of picnickers through the years have disagreed.

Future plans for the falls area include rebuilding walls and stairways around the ravine. This w[illegible] may have to wait unt[illegible] year at least.

THIS IS THE REFECTORY with the coin-operated electric plates at the Wabun picnic area in Minnehaha park. Mrs. George Wawra, 5119 S. 45th Av., and her daughter, Roberta, 16, are shown as they "put on the coffee" during a picnic. New lighting and modern toilets have been installed in the refectory building, erected in 1904.

Courtesy Minneapolis History Collection and Special Collections, Hennepin County Library

Aerial View of Refectory and surrounding area – Prior to 1990s renovations

Image from the Metropolitan Design Center Image Bank
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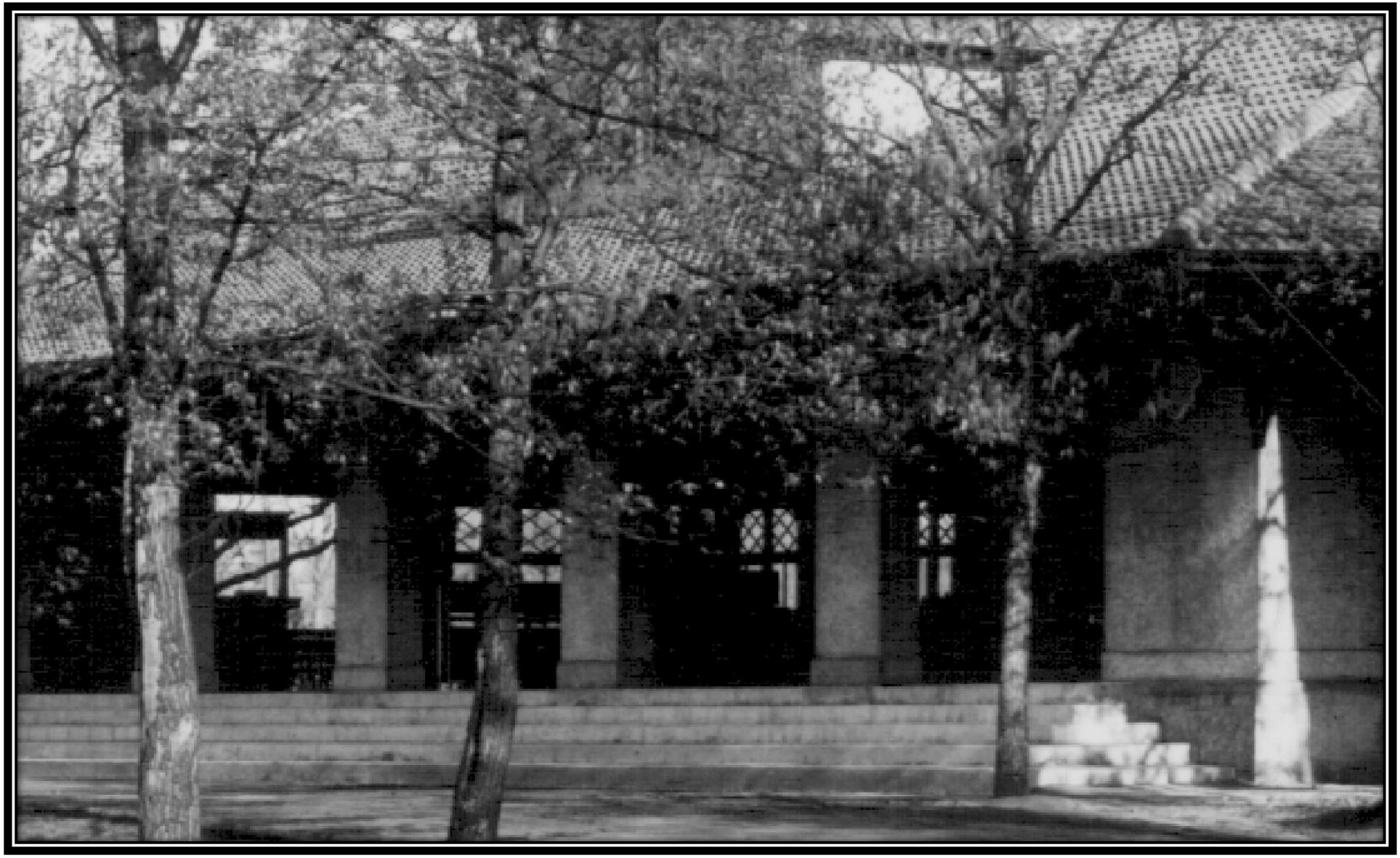


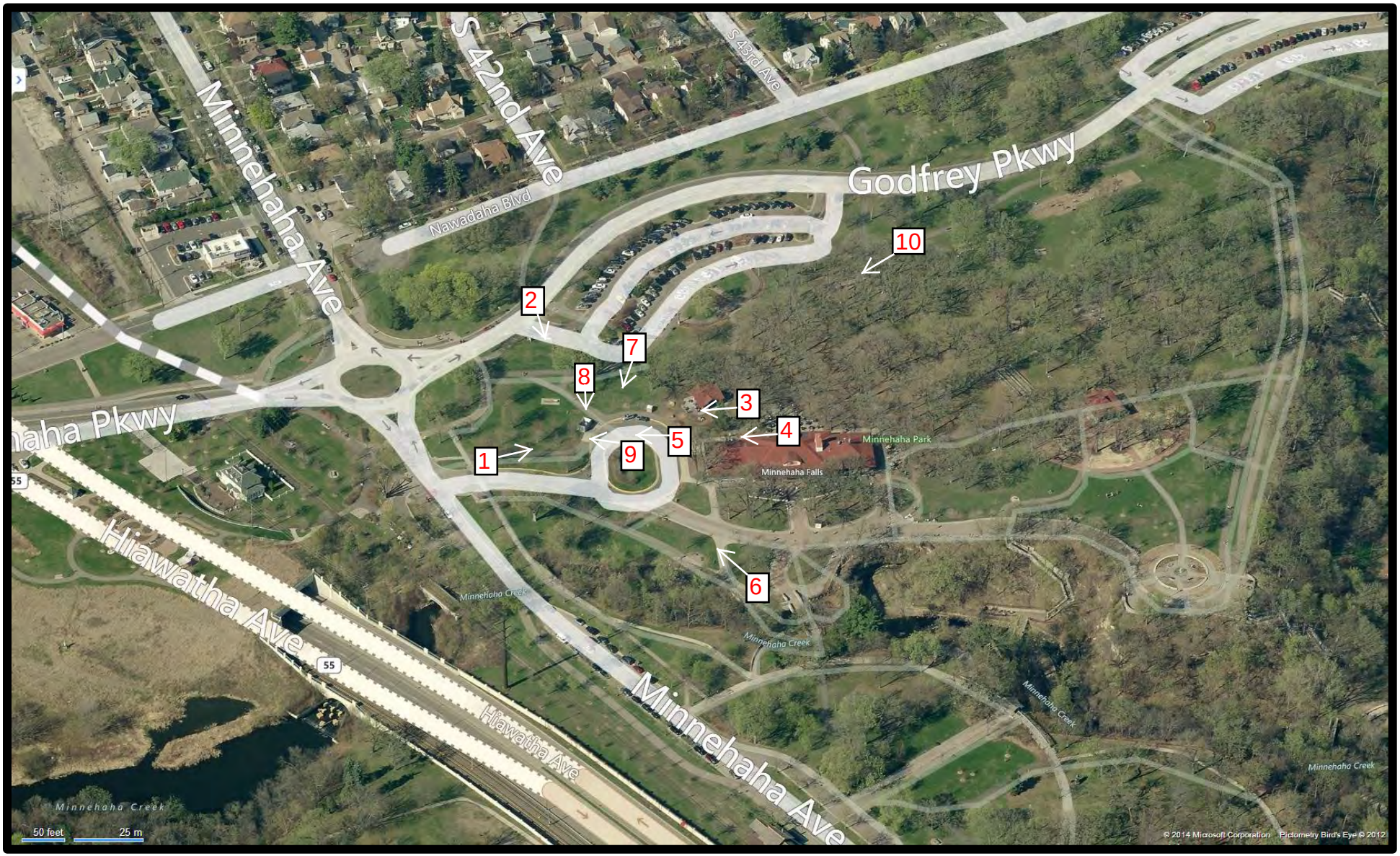
CLOSE UP VIEW SHOWING DIAMOND PATTERN MUNTINS: C. 1900

Courtesy of the Minneapolis Photo Collection, Hennepin County Library

CLOSE UP VIEW SHOWING DIAMOND PATTERN MUNTINS ON DORMER: C. 1905

Courtesy of the Minneapolis Photo Collection, Hennepin County Library

Map Indicating Location and Direction of Photos Taken of Current Enclosure



Photos of existing 250 sf enclosure

*See Map for Location and Direction of Photos Taken

3

4

5

Current enclosure screened from view by lilac bushes
6

As proposed, the expanded enclosure would extend to approximately here

As proposed, the expanded enclosure would extend past here
9

10

Southeast corner of refectory building – area where deck is proposed to expanded.

Interior panorama facing south. The three openings in this picture will be replaced with operable transparent garage doors; the closed opening will be doors to match those at Sea Salt Eatery.

North elevation of refectory building. The middle three openings will be replaced with operable transparent garage doors and the openings on either side of those will be doors to match those at Sea Salt Eatery.

Rental bicycles are currently stored inside refectory building

Heritage Preservation Commission
Application for Certificate of Appropriateness
Minnehaha Refectory, 4801 (4901) Minnehaha Ave, Minneapolis, MN

PROJECT DESCRIPTION

This application is for Phase III of an overall master plan for the Minnehaha Refectory and surrounding site. The intent of the project is to address immediate priorities identified during the schematic design phase of the overall Minnehaha Refectory reinvestment plan by the Minneapolis Park and Recreation Board. These priorities include: replacement of the existing asphalt roof, replacement of existing garage doors, existing restroom updates, removal of a dropped ceiling in the pavilion and adding new lighting, improving walking paths, adding additional seating area around Sea Salt, adding additional bike parking, expanding the existing trash enclosure to allow Sea Salt to compost organics, and adding screening for Wheel of Fun bike storage.

The Minnehaha Refectory is located within the Minneapolis Park and Recreation system's Minnehaha Park located at 4801 Minnehaha Avenue. The park is located within the Hiawatha neighborhood and the Minnehaha Historic District. The Minnehaha Refectory is considered a contributing feature within the Minnehaha Historic District, but is not individually listed.

Constructed in 1905, this building and the site features immediately surrounding the building have undergone many changes over time. The most dramatic changes occurred in 1957-1958. It was then that the red tile roof was replaced with asphalt shingles and many openings were infilled to create concession areas and restrooms. The interior dropped ceiling and lighting were also added to modernize the space. In 1997, a major renovation of the concession area on the east end of the building created the space now being leased by Sea Salt Eatery. That project included the restoration of the openings on the east end of the building, reconstructing pathways surrounding the building, and a seating platform renovation. Current research indicates the current configuration of the seating platform and stairs to the south of the building is not original. The original 1905 drawings and the 1957 drawings show a wide stair and short platform entering the building. The 1997 drawings show the current configuration as existing.

WRITTEN STATEMENT

1. As a contributing property to the Minnehaha Historic District, alterations to the building and site features immediately surrounding the building will be made compatible with and will continue to support the criteria of significance and period of significance for which the historic district was designated and will ensure the continued significance for which the historic district was designated by using a rehabilitation approach to the Secretary of the Interior's Treatment Standards.
    a. Using the treatment standard of rehabilitation, where ever possible, remaining existing historic building and site materials will remain in place and be preserved. During the current

phase, building materials to be restored include the wood trim, soffits, and rafters. Site work maintains existing trees and general site grading.

b. Some materials from other periods will be removed. On the Refectory, this includes removing the asphalt roof that has exceeded its useful life, removing mis-matched garage doors and coiling doors, and removal of abandoned venting through the roof. In the surrounding site, the deteriorating wood decking at the west end of the platform will be removed. At the interior, the dropped ceiling will be removed which provides an opportunity to remove the infill panels in the dormers.

c. New materials will be modern and will not attempt to replicate or add historic detail that did not exist. The roof will be replaced with red asphalt shingles with a simple tab pattern. In order to maintain a secure space after hours and after the building closes for the season, the garage doors and coiling doors will be replaced with storefront openings and overhead aluminum and glass doors. The storefront systems provide code required egress from the pavilion space and the overhead aluminum and glass doors help to bring back the look and feeling of the original openings. The new aluminum storefront and dormer windows will mimic the muntin pattern and color established in the storefront from the 1997 project. To increase seating and replace and repair deteriorated non-historic materials, the existing non-historic platform area on the southeast side of the building will be expanded. Wall and guardrail details will match existing non-historic materials in appearance. A new paved path will also be added to protect the historic tree root system from the compacting action of steady foot and bicycle traffic. New plantings and benches are designed to more naturally direct foot and bicycle traffic toward the Minnehaha Falls without a significant increase in wayfinding signage. New plantings will replace existing tired plantings and will be low and not obstruct views across the park. Expanded screening for bike storage and composting adjacent to the existing trash enclosure will utilize stained cedar to match the existing enclosure and be simple in construction and follow the City's ordinances for screening.

2. The Minnehaha Refectory is considered a contributing feature within the Minnehaha Historic District, but is not individually listed or designated for exterior or interior features. Site changes being made will protect the integrity of the historic trees near the building. They will be low and will not obstruct views across the park.
3. The alteration is compatible with and will ensure continued integrity of the historic district for which the district was designated by using a rehabilitation approach to the Secretary of the Interior's Treatment Standards as outline above.
4. The alteration will not materially impair the significance and integrity of the historic district as evidenced by the consistency of alterations with the applicable design guidelines adopted by the commission. There is no adopted design guideline associated with the Minnehaha Historic District. *The Minnehaha Park Renovation Plan* is a master plan developed to provide guidance for long-range improvements, but to our knowledge, there is nothing specific to the Refectory area.
5. The alteration will not materially impair the significance and integrity of the historic district as evidenced by the consistency of alterations with the recommendations contained in The Secretary of the Interior's Standards for the Treatment of Historic Properties for rehabilitation.

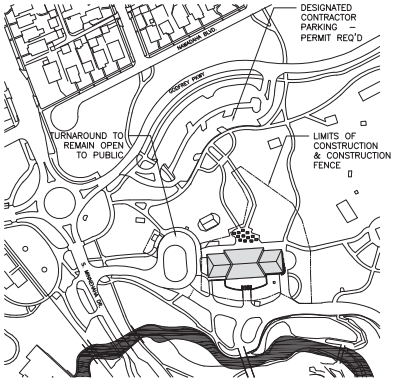
6. To our knowledge, this application for a certificate of appropriateness conforms to all applicable regulations of the preservation ordinance and is consistent with the applicable policies of the comprehensive plan and applicable preservation policies in small area plans adopted by the city council.

ALTERATIONS TO A PROPERTY WITHIN AN HISTORIC DISTRICT

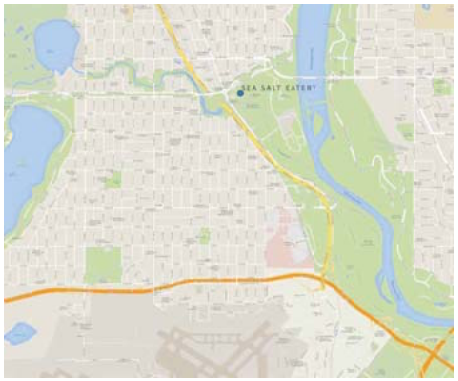
1. As a contributing property to the Minnehaha Historic District, alterations to the building and site features immediately surrounding the building will be made compatible with and will ensure the continued significance for which the historic district was designated by using a rehabilitation approach to the Secretary of the Interior's Treatment Standards.
2. Granting the certificate of appropriateness will be in keeping with spirit of and intent of the ordinance and will not negatively alter the essential character of the historic district because the project, which follows The Secretary of the Interior's Treatment Standards for rehabilitation, reinvests in and creates priority in preserving and restoring the remaining original features of a building that contributes to the district.
3. The certificate of appropriateness will not be injurious to the significance and integrity of other resources in the historic district and will not impede the normal and orderly preservation of surrounding resources as allowed by regulations in the preservation ordinance because alterations to the building and site surrounding the Refectory follow The Secretary of the Interior's Treatment Standards for rehabilitation and can be removed without injuring the integrity of the historic property and the surrounding site.

MINNEHAHA REFECTORY AND SITE RENOVATIONS – PHASE III

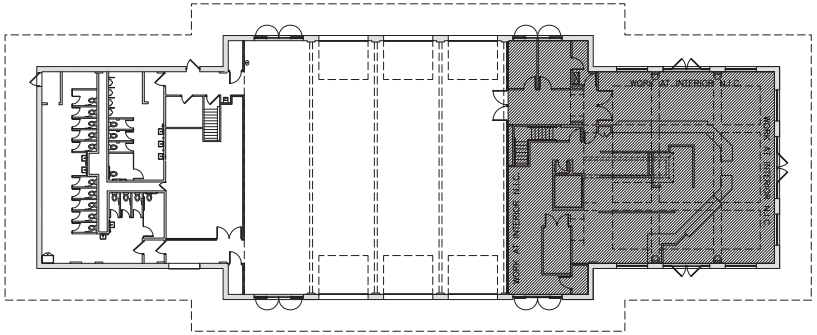
4801 MINNEHAHA AVENUE SOUTH
MINNEAPOLIS, MINNESOTA
MDA# MPR1401



5B T100 MINNEHAHA PAVILION SITE PLAN



4B T100 MINNEHAHA PAVILION SITE PLAN



5C T100 MINNEHAHA PAVILION BUILDING – AREA OF WORK
1/16" = 1'-0"

SEE LANDSCAPE DRAWINGS FOR WORK SCOPE OUTSIDE OF PAVILION BUILDING

PROJECT TEAM

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SHEET INDEX

ARCHITECTURAL
T100 TITLE SHEET
T101 CODE PLANS & REVIEW
D100 DEMO PLANS
D200 WEST & SOUTH DEMO ELEVATIONS
D201 EAST & NORTH DEMO ELEVATIONS
A100 FLOOR PLANS
A130 ENLARGED FLOOR PLAN
A150 REFLECTED CEILING PLAN
A170 ROOF PLAN
A200 WEST & SOUTH ELEVATIONS
A201 EAST & NORTH ELEVATIONS
A300 BUILDING SECTIONS & DETAILS
A380 ROOF DETAILS
A500 DOOR & WDW SCHEDULES & DETAILS

MECHANICAL
M000 MECHANICAL LEGEND & GEN. NOTES
DM100 FIRST FLOOR MECHANICAL DEMO PLAN
P100 FIRST FLOOR PLUMBING PLAN
M100 FIRST FLOOR HVAC PLAN

ELECTRICAL
TE100 ELECTRICAL LEGEND & GEN. NOTES
DE101 ELECTRICAL FIRST FLOOR DEMO PLAN
E101 FIRST FLOOR ELECTRICAL PLAN
E200 ELECTRICAL SCHEDULES & DETAILS

LANDSCAPE
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L1 SITE IMPROVEMENTS AROUND BUILDING
L2 DECK LAYOUT
L3 DECK SECTIONS & ELEVATIONS
LD1 DECK DETAILS
LD2 DECK DETAILS
LD3 DECK DETAILS
LD4 SURFACE DETAILS
LD5 FURNISHINGS DETAILS

GENERAL NOTES

1. DO NOT SCALE DRAWINGS. CONTRACTOR RESPONSIBLE FOR QUALITY OF DRAWINGS REPRODUCED FROM ORIGINAL HARDCOPIES OR DIGITAL FILES.
2. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS. REPORT ALL DISCREPANCIES TO ARCHITECT PRIOR TO STARTING WORK.
3. MATERIALS TO REMAIN TO BE PROTECTED AS REQUIRED FROM DAMAGE. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR/ REPLACEMENT OF DAMAGED MATERIALS TO LIKE NEW CONDITION.
4. WHERE MATCH EXISTING IS INDICATED, PROVIDE NEW MATERIAL AS NECESSARY TO PATCH, EXTEND, OR REPLACE EXISTING MATERIAL. UNLESS AN EXCEPTION IS NOTED, NEW MATERIAL SHALL MATCH EXISTING IN ALL ASPECTS.
5. OWNER TO REMOVE EQUIPMENT AND SUPPLIES FROM AFFECTED AREAS PRIOR TO COMMENCEMENT OF WORK. UNLESS NOTED OTHERWISE – COORDINATE WITH OWNER.
6. REPORT DISCOVERED HAZARDOUS MATERIALS IMMEDIATELY.
7. CONTRACTOR SHALL CONSTRUCT THE PROJECT IN ACCORDANCE WITH ALL APPLICABLE CODES, UNDERWRITER'S, LOCAL MUNICIPALITIES, AND STATE REQUIREMENTS.

MATERIALS

EXISTING CONST.
EARTH
CAST–IN–PLACE CONCRETE
CONC. MASONRY
BRICK
SAND, CONCRETE, GYPSUM
GRAVEL, BALLAST
GYPSUM BOARD
ROUGH WOOD
PLYWOOD
FINISH WOOD
BATT INSUL
RIGID INSUL
STEEL

SYMBOLS

BUILDING SECTION MARKER
WALL SECTION MARKER
DETAIL SECTION MARKER
ELEVATION MARKER
INTERIOR ELEVATION MARKER
BUILDING GRID LINE
ELEVATION/HEIGHT MARKER
WALL TYPE DESIGNATOR
KEYNOTE DESIGNATOR
WINDOW/LOUVER DESIGNATOR
PLAN DETAIL MARKER
NEW DOOR
EXISTING DOOR
REVISION MARKER
1 HOUR FIRE RATED CONSTRUCTION

ABBREVIATIONS

ABV	ABOVE
ACC	ACCESSIBLE
AFF	ABOVE FINISHED FLOOR
ACP	ACOUSTICAL CEILING PANEL
ADJ	ADJACENT/ADJUSTABLE
ALUM	ALUMINUM
L	ANGLE
ANOD	ANODIZED
AP	ACCESS PANEL
ASPH	ASPHALT
BSMT	BASEMENT
BM	BEAM
BO	BOTTOM OF
BRG	BEARING
BTWN	BETWEEN
BIT	BITUMINOUS
BLKG	BLOCKING
BD	BOARD
BOT	BOTTOM
CAB	CABINET
CB	CATCH BASIN
CG	CORNER GUARD
CJ	CONTROL JOINT
CLG	CEILING
CL	CENTER LINE
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
CPT	CARPET
CT	CERAMIC TILE
DF	DRINKING FOUNTAIN
DIAG	DIAGONAL
DIA	DIAMETER
DIFF	DIFFUSER
DIM	DIMENSION
DN	DOWN
DR	DOOR
DR	DRAIN
DS	DOWNSPOUT
EJ	EXPANSION JOINT
EL	ELEVATION
EQ	EQUAL
EWC	ELECTRIC WATER COOLER
EXIST	EXISTING
EXP BT	EXPANSION BOLT
EXT	EXTERIOR
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER CABINET
FIN	FINISH
FIXT	FIXTURE
FLR	FLOOR/FLOORING
FND	FOUNDATION
FR	FRAME/FRAMING
FRT	FIRE RESISTIVE TREATED
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BARS
GL	GLASS/GLAZING
GYP BD	GYPSUM BOARD
HDW	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HT	HEIGHT
ID	INSIDE DIAMETER
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
JT	JOINT
LAM	LAMINATE
LAV	LAVATORY
LT	LIGHT
LIN	LINEAR
LVR	LOUVER
MAS	MASONRY
MH	MANHOLE
MFR	MANUFACTURER
MATL	MATERIALS
MTL	METAL
MLWK	MILLWORK
MO	MASONRY OPENING
MR	MOISTURE RESISTANT
MS	MOP SINK
MULL	MULLION
NOM	NOMINAL
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
OPT	OPTION–AL
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLYWD	PLYWOOD
PNL	PANEL
PT	PAINT
PTN	PARTITION
QT	QUARRY TILE
R	RISER
RAD	RADIUS
RD	ROOF DRAIN
REC	RECESS–ED
REQD	REQUIRED
RESIL	RESILIENT
RO	ROUGH OPENING
RWL	RAINWATER LEADER
SC	SOLID CORE
SD	SOAP DISPENSER
SIM	SIMILAR
STL	STEEL
SUSP	SUSPENDED
SYS	SYSTEM
TMPD	TEMPERED
TEMP	TEMPORARY
THK	THICK
THRES	THRESHOLD
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
WB	WINDOW BLINDS
WC	WATER CLOSET
WD	WOOD
WDW	WINDOW
WP	WATERPROOF
WPT	WORKING POINT
WR	WATER RESISTANT
WS	WEATHER STRIPPING
WSCT	WAINSCOT

PROJECT INTENT

THIS PROJECT IS PHASE III OF AN OVERALL RENOVATION PLAN FOR THE MINNEHAHA REFECTORY. THE INTENT OF THE PROJECT IS TO ADDRESS IMMEDIATE PRIORITIES IDENTIFIED DURING THE SCHEMATIC DESIGN PHASE OF THE OVERALL MINNEHAHA REFECTORY REINVESTMENT PLAN BY THE MINNEAPOLIS PARK AND RECREATION BOARD. THOSE PRIORITIES INCLUDE: A NEW ROOF, RESTROOM UPDATES, REMOVAL OF THE CEILING IN THE PAVILION AND ADDING NEW LIGHTING, IMPROVING WALKING PATHS, AND ADDING ADDITIONAL BIKE PARKING.

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emanuelson-podas
consulting engineers

MBJ

HKGI

Minneapolis Park & Recreation Board

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

Signature

Name

Date License #

MINNEHAHA REFECTORY RENOVATIONS

PHASE 3

MINNEAPOLIS, MN

Mark	Date	Description

95% CD
NOT FOR CONSTRUCTION

COMM. NO.:	MPR1401
DATE:	05.28.14
DRAWN:	EKH
CHECKED:	JMT

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TITLE SHEET

T100

INTERNATIONAL BUILDING CODE REVIEW SUMMARY

PROJECT: Minnehaha Refectory Renovations
ADDRESS: 4825 Minnehaha Ave, Minneapolis, MN 55417
PROJECT #: MPR1401
DATE: 3/26/14

APPLICABLE CODES
INTERNATIONAL BUILDING CODE: 2006 EDITION
ACCESSIBILITY CODE
STATE BUILDING CODE:

A. OCCUPANCY CLASSIFICATION

[Section 302.1, Table 302.3.3]

GROUP	DESCRIPTION OF AREA
A-2	Restaurant
A-3	Pavilion

MIXED OCCUPANCY RESTRICTIONS (IF ANY): [Section 508]

Building is classified as nonseparated occupancy thus the allowable area and height of building is based on the most restrictive allowances for the occupancy groups. Commercial Kitchens need not be separated from the restaurant seating areas that they serve.

INCIDENTAL USE AREAS (IF ANY): [Table 302.1.1]

One hour separation around storage room greater than 100 s.f. - MPRB Storage - 2006 IBC table 508.2

Storage locations shown on plan.

B. TYPE OF CONSTRUCTION

[Table 601, Section 602]

TYPE III-B

C. EXTERIOR WALL AND OPENING PROTECTION

[Table 602, Section 704.12]

FIRE RESISTANCE REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE: At least or greater than 30 feet - Group A: Type IIIB requirement

D. ALLOWABLE HEIGHTS AND BUILDING AREA

[Table 503]

HEIGHT MODIFICATIONS: [Section 504]

OCCUPANCY	ALLOWABLE HEIGHT	AUTOMATIC SPRINKLER INCREASE	ACTUAL HEIGHT
A-2	55 feet	+ 20 feet = 75 feet	27'-8"
A-3	55 feet	+ 20 feet = 75 feet	32'-8"

OCCUPANCY	ALLOWABLE STORIES	AUTOMATIC SPRINKLER INCREASE	ACTUAL STORIES
A-2	2	+1 story = 3 stories	1
A-3	2	+1 story = 3 stories	1

AREA MODIFICATIONS: [Section 506, Equations 5-1 and 5-2]

Occupancy Group A

Sprinkler Increase =	0% (not sprinklered)
Frontage Increase =	100 [518/518 - 0.25] 30/30 = 75% (Public way and open space on all sides)
Floor area increase =	11,490 + [(11,490 x 75)/100] + [(11,490 x 0)/100] = 20,107.5 s.f. per floor

UNLIMITED AREA ALLOWANCE APPLICABLE: [Section 507] YES NO

BUILDING AREA:

			ACTUAL AREA	ALLOWABLE AREA
Basement Level:	Group A-2	Basement - East	1,030	
		FLOOR TOTAL (A-2) =	**1,030**	
	Group A-3	Basement - West	1,680	
		FLOOR TOTAL (A-3) =	**3,740**	
		FLOOR TOTAL =	**4,770**	**20,107**
First Level:	Group A-2	kitchen	1,957	
		queing area	1,300	
		FLOOR TOTAL (A-2) =	**3,257**	
	Group A-3	Pavilion	5,225	
		Restrooms & storage	2,319	
		FLOOR TOTAL (A-3) =	**7,544**	
		FLOOR TOTAL =	**10,801**	**20,107**
Equipment Platform:		not included in bldg area		
		FLOOR TOTAL =	**0**	
BUILDING TOTAL			**15,571**	**40,214**

E. FIRE RESISTIVE REQUIREMENTS BY TYPE OF CONSTRUCTION

[Table 601]

CONSTRUCTION TYPE: III-B

CONDITION	REQUIREMENT	NOTES
1. STRUCTURAL FRAME	None	
2. BEARING WALLS-EXTERIOR	2	
3. BEARING WALLS-INTERIOR	None	
4. NONBEARING WALLS-EXTERIOR	None	
5. NONBEARING WALLS-INTERIOR	None	
6. FLOOR CONSTRUCTION	None	
7. ROOF CONSTRUCTION	None	

INTERNATIONAL BUILDING CODE REVIEW SUMMARY

F. OCCUPANT LOAD AND EXITING REQUIREMENTS

[Table 1003.1,2,2.3, Section 1003.2.2, 1003.2.3, Table 1004.2.2]

(Refer to plan for more information)

OCCUPANCY CATEGORY	OCC. LOAD FACTOR	SPACE DESCRIPTION	ACTUAL AREA	OCC. LOAD	REQ'D EXITS	ACTUAL EXITS
BASEMENT LEVEL						
Mechanical Equipment	300	Basement - East	910	4	1	1
Storage	300	Basement - West	1610	6	1	1
		GROUND LEVEL SUBTOTALS		**10**		
FIRST LEVEL						
Kitchen	200	Kitchen	2067	11	2	3
Office	100	Kitchen Offices	413	5	1	1
Accessory Storage	300	office storage	70	1	1	1
	300	Janitor's Closet	77	1	1	1
	300	Storage room large	584	2	1	1
	300	Storage rm sm (North)	27	1	1	1
	300	Storage rm sm (South)	27	1	1	1
Assembly Unconcentrated	15	Queing Area	1171	79	2	3
	15	Pavilion	4416	295	2	2
		FIRST LEVEL SUBTOTALS		**396**		
SECOND LEVEL						
Equipment Platform*	NA	Equipment Platform	906	NA	NA	NA
		SECOND LEVEL SUBTOTALS		**0**		
		BUILDING TOTALS		**406**		

*Equipment Platform (906 SF) is less than 2/3 the total A-2 area below (3,737 SF) therefore does not need to be included in the overall area, stories, or occupant loads. per 2006 IBC 505.5 & 505.5.1

INTERNATIONAL BUILDING CODE REVIEW SUMMARY

G. EXITING REQUIREMENTS

[Table 1003.2.2]

AREA	OCC. LOAD	REQ'D EXIT WIDTH * (inches per occupant= 0.2) w/o sprinkler system	ACTUAL EXIT WIDTH	REQ'D STAIR WIDTH ** (inches per occupant= 0.3) w/o sprinkler system	ACTUAL STAIR WIDTH
Basement - East	4	1	36"	2	NA
Basement - West	6	2	36"	2	NA
First Level - Kitchen	96	20	220*	29	NA
First Level - Pavilion	300	60	176*	90	NA
Equipment Platform	NA	NA	NA	NA	NA

* Door width shall not be less than 32 inches [Section 1003.3.1]

** Stairway width shall not be less than 36 inches [Section 1003.3.3]

EXIT ACCESS TRAVEL DISTANCE: [Table 1016.1]

OCCUPANCY	ALLOWABLE *	ACTUAL MAX.
A-2	200 feet	107 feet
A-3	200 feet	91 feet

(Actual travel distance to exterior of building; not to public way.)

* without sprinkler system

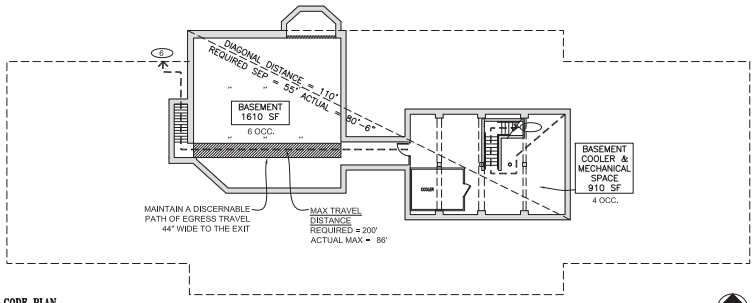
H. PLUMBING SYSTEMS

[Table 2902.1]

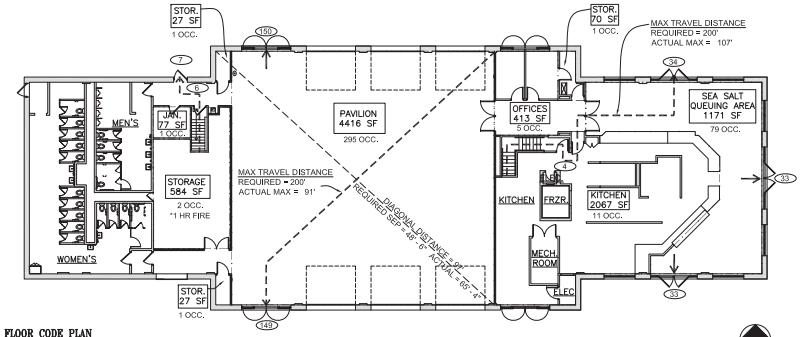
MINIMUM NUMBER OF PLUMBING FACILITIES

Occupancy Type	No. of Occupants	Water Closets Req'd	Water Closets Actual	Lavatories Req'd	Lavatories Actual	Drinking Fountains Req'd	Drinking Fountains Actual	Other Req'd	Other Actual
Assembly 2 (does not include outdoor seating)	100	1 male 1 female	Total 4 male 13 female	1 male 1 female	Total 3 male 3 female	1*	1 + Sea Salt Water Station	1 service sink	Total 2 service sinks
Assembly 3	306	2 male 3 female		2 male 2 female		1		1 service sink	

*Where restaurants provide drinking water in a container free of charge, drinking fountains shall not be required in those restaurants. In other occupancies, where drinking fountains are required, water coolers or bottled water dispensers shall be permitted to be substituted for not more than 50 percent of the required number of drinking fountains. (IPC, Section 410.3, Drinking Fountains)



3C T101 BASEMENT CODE PLAN
1/16" = 1'-0"



3D T101 FIRST FLOOR CODE PLAN
1/8" = 1'-0"

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PHASE 3

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CODE PLANS

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T101

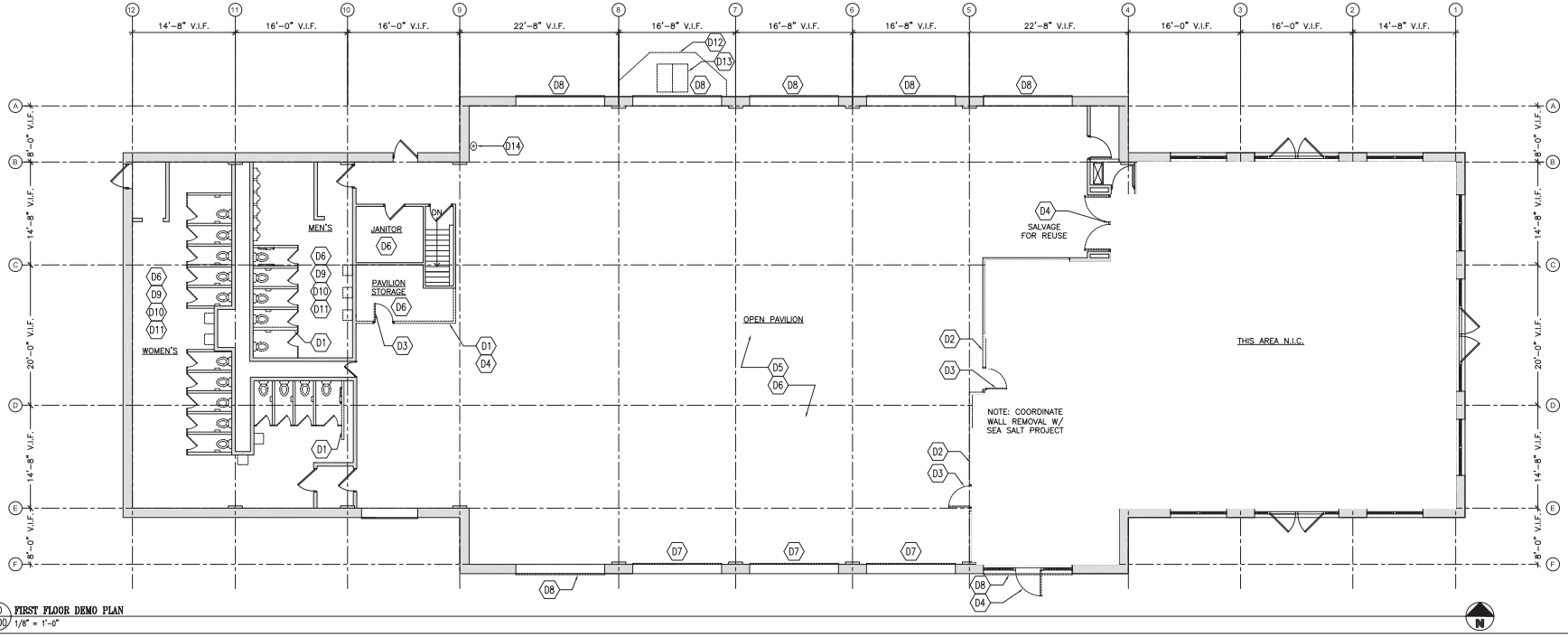
1 2 3 4 5 6 7 8 9 10

DEMO GENERAL NOTES

1. REMOVE ALL ABANDONED AND MISC WIRES, CONDUITS, PIPING HANGERS, NAILS, NESTS, ETC.
2. ADDITIONAL DEMOLITION MAY BE REQUIRED FOR PROPER CONSTRUCTION AND INSTALLATION OF NEW CONSTRUCTION.
3. SEE ALSO MECHANICAL, ELECTRICAL & LANDSCAPE DEMOLITION PLANS. GC TO COORDINATE DEMOLITION OF ALL SUBCONTRACTORS.

DEMO KEYNOTES

- D1 REMOVE INTERIOR CMU WALL – SHOWN DASHED. CONTRACTOR TO DETERMINE ACTUAL EXTENTS OF REMOVAL PER NEW PLAN DRAWING.
- D2 REMOVE INTERIOR STEEL FRAMED WITH GYPSUM BOARD FINISH PARTITION WALL – SHOWN DASHED. CONTRACTOR TO DETERMINE ACTUAL EXTENTS OF REMOVAL PER NEW PLAN DRAWING.
- D3 REMOVE ENTIRE MTL DOOR FRAME AND HARDWARE
- D4 REMOVE ALUMINUM AND GLASS GLAZING SYSTEM AND WALL INFILLS IN THEIR ENTIRETY.
- D5 REMOVE EXIST CEILING PANELS, GRID, AND WOOD SUPPORT STRUCTURE IN ITS ENTIRETY – SEE ALSO A150
- D6 REMOVE EXIST LIGHTING FIXTURES. SEE ELECTRICAL PLANS.
- D7 REMOVE INTERIOR GARAGE DOORS, FRAMES AND TRACKS IN THEIR ENTIRETY
- D8 REMOVE EXTERIOR COILING OVERHEAD DOORS & FRAMES IN THEIR ENTIRETY
- D9 REMOVE PLUMBING FIXTURES IN THEIR ENTIRETY. ROUGH-IN PIPING WITHIN THE WALLS AND FLOORS TO REMAIN – SEE MECH.
- D10 REMOVE TOILET ROOM ACCESSORIES INCLUDING, BUT NOT LIMITED TO, BLOW DRYERS, TOILET PAPER DISPENSERS, MIRRORS, GRAB BARS, SOAP DISPENSERS, BABY CHANGING TABLES.
- D11 REMOVE METAL TOILET PARTITIONS IN THEIR ENTIRETY– CONC. BLOCK PARTITION WALLS TO REMAIN U.N.O.
- D12 REMOVE AREA OF SIDEWALK AS NECESSARY TO REMOVE TOP 24" OF FOUNDATION WALL – N.I.C., BY SEA SALT
- D13 REMOVE EXTERIOR BASEMENT ACCESS DOORS IN SIDEWALK – N.I.C., BY SEA SALT
- D14 REMOVE & SALVAGE DRINKING FOUNTAIN FOR INSTALLATION.
- D15 REMOVE ASPHALT SHINGLE SYSTEM – SEE SHEET A170
- D16 REMOVE INFILL LOUVER & PANELS – WOOD FRAME TO REMAIN IF SOUND.
- D17 REMOVE ROOF PENETRATIONS – SEE SHEET A170
- D18 SEA SALT ROOF PENETRATION REMOVAL – N.I.C., BY SEA SALT



5D / D100 FIRST FLOOR DEMO PLAN
1/8" = 1'-0"

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DRAWING NUMBER

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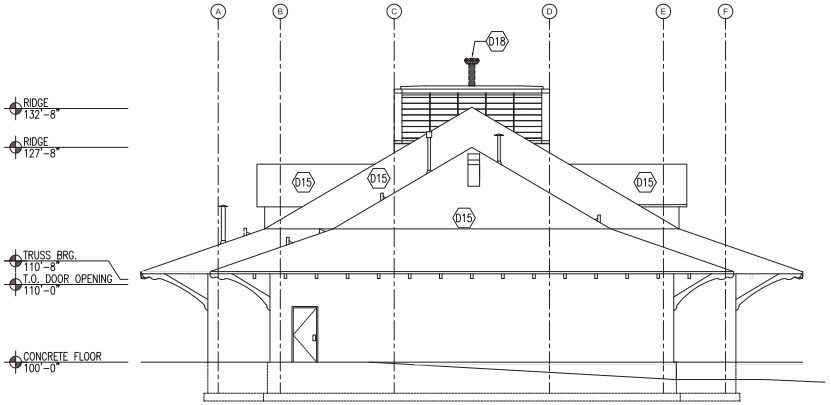
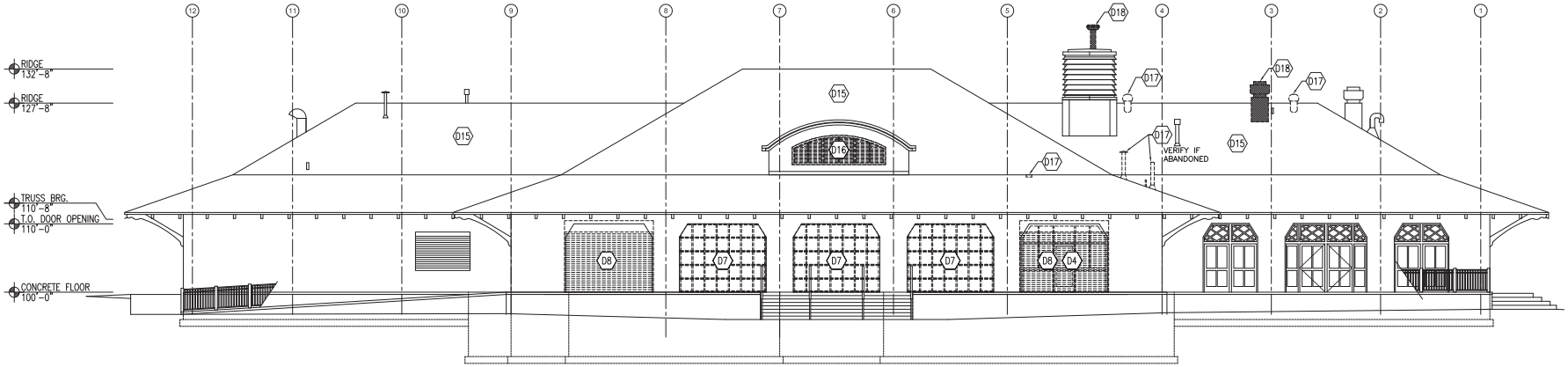
- D15 REMOVE ASPHALT SHINGLE SYSTEM – SEE SHEET A170
- D16 REMOVE INFILL LOUVER & PANELS – WOOD FRAME TO REMAIN IF SOUND.
- D17 REMOVE ROOF PENETRATIONS – SEE SHEET A170
- D18 SEA SALT ROOF PENETRATION REMOVAL – N.I.C., BY SEA SALT



4B D200 **WEST DEMOLITION ELEVATION**
1/8" = 1'-0"



5D D200 **SOUTH DEMOLITION ELEVATION**
1/8" = 1'-0"

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WEST AND SOUTH DEMOLITION ELEVATIONS

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D200

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DEMO GENERAL NOTES

1. REMOVE ALL ABANDONED AND MISC WIRES, CONDUITS, PIPING HANGERS, NAILS, NESTS, ETC.
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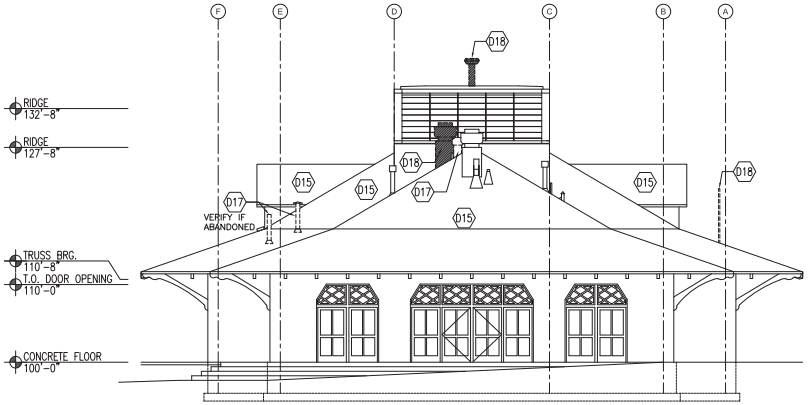
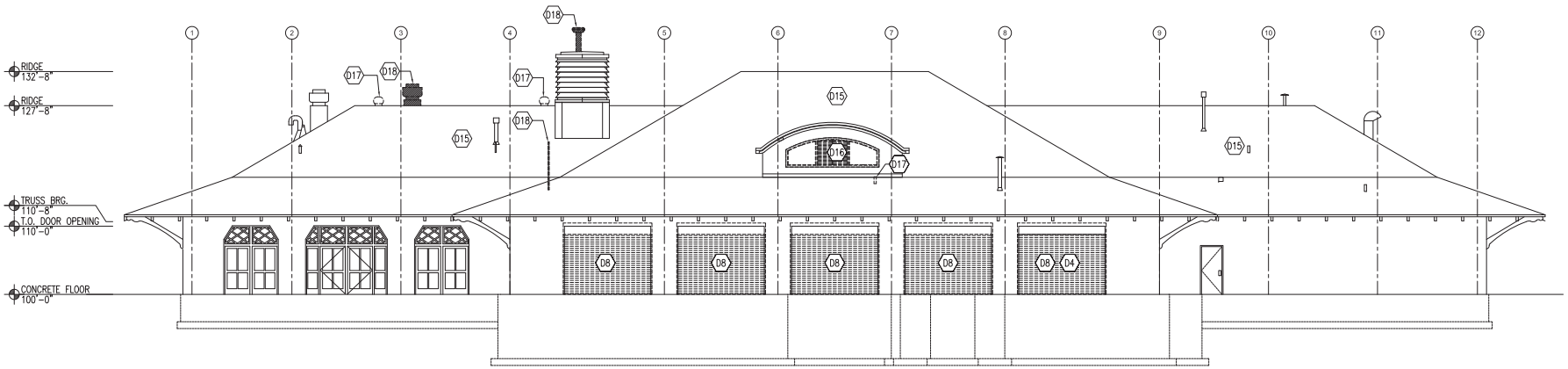


4B / D201 EAST DEMOLITION ELEVATION
1/8" = 1'-0"



5D / D201 NORTH DEMOLITION ELEVATION
1/8" = 1'-0"

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EAST AND NORTH DEMOLITION ELEVATIONS

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D201

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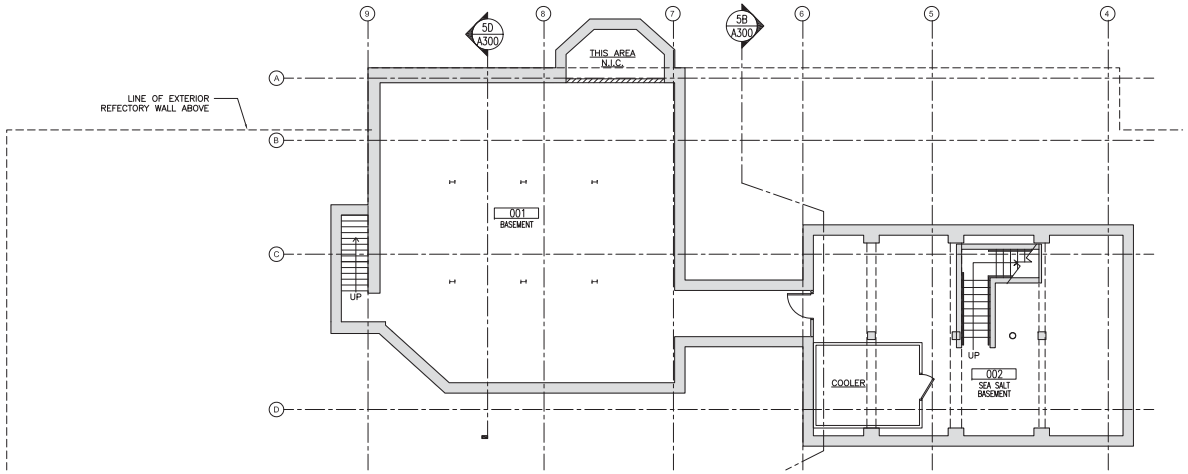
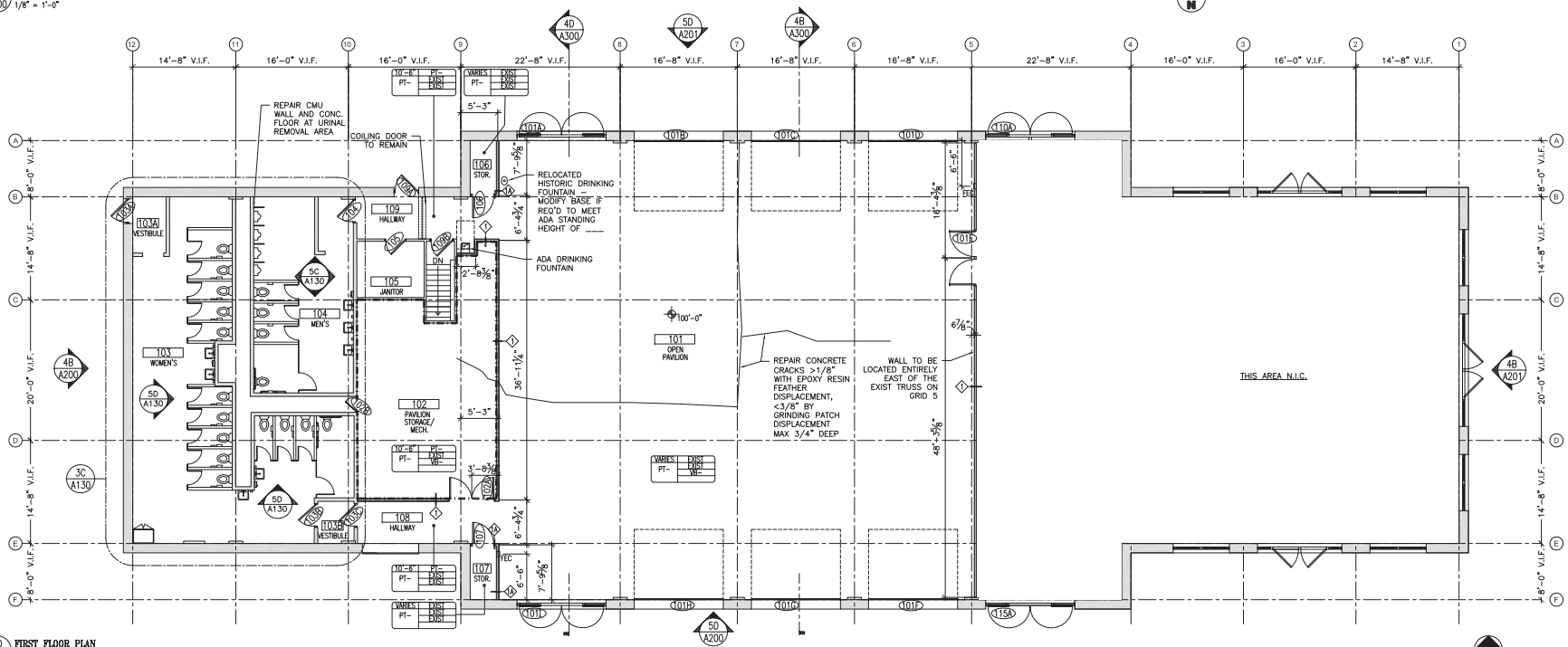
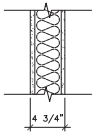


5B A100 BASEMENT FLOOR PLAN
1/8" = 1'-0"



5D A100 FIRST FLOOR PLAN
1/8" = 1'-0"

WALL TYPES



1

3 5/8" MTL. STUDS @ 16" O.C. GYPSUM VENEER PLASTER ON 1/2" CEMENT BD. BASE ONE SIDE 5/8" TYPE X GYP. BD. ONE SIDE TO STRUCTURAL DECK. FILL W/ INSUL. 1 HOUR RATED.

1A

3 5/8" MTL. STUDS @ 16" O.C. GYPSUM VENEER PLASTER ON 1/2" CEMENT BD. BASE ONE SIDE 5/8" TYPE X GYP. BD. ONE SIDE TO STRUCTURAL DECK.

GENERAL PLAN NOTES

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS.
2. PREPARE SURFACES ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS FOR EACH SUBSTRATE CONDITION.
3. DIMENSIONS AT STUD PARTITIONS ARE TO CENTERLINE OF WALL ASSEMBLY. DIMENSIONS AT MASONRY OPENINGS ARE TO FACE OF WALL.
4. DOOR OPENINGS IN STUD PARTITIONS ARE DIMENSIONED TO THE CENTERLINE OF OPENING. IF NO DIMENSION PROVIDED, LOCATE DOOR OPENING APPROXIMATELY 4" FROM ADJACENT PARTITION.
5. DOOR OPENINGS IN MASONRY PARTITIONS ARE CLEAR OPENINGS DIMENSIONED TO FACE OF WALL.
6. RENOVATION & NEW CONSTRUCTION WILL REQUIRE PATCHING & REPAIR OF EXISTING FLOOR, WALL & CEILING SURFACES. PLASTER AND DRYWALL FINISHES TO MATCH SURROUNDING TEXTURE AND APPEARANCE. AT PAINTED SURFACES, PAINT ENTIRE SURFACE, CORNER TO CORNER.
7. PROVIDE FIRE BLOCKING/SEALANT AT ALL OPENINGS BETWEEN FLOORS AND AT RATED WALLS.

FINISH TAG KEY

AIR INST	CLR FIN		
WALL FINISHES	FAB FIN		
	BASE FIN		
	NOTES		

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FLOOR PLANS

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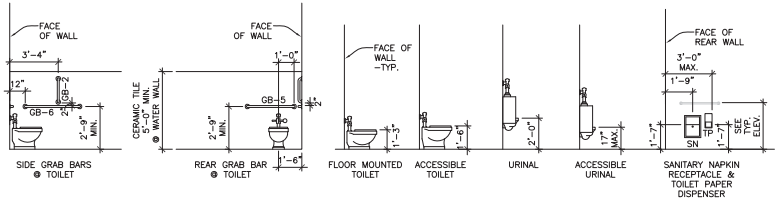
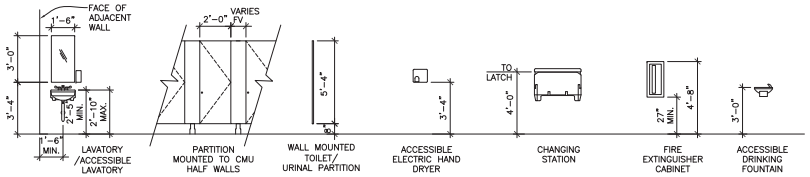
NOTE: MOUNTING HEIGHTS VARY DEPENDING ON MANUFACTURER AND MODEL. REFER TO MANUFACTURER'S INSTALLATION INFORMATION.

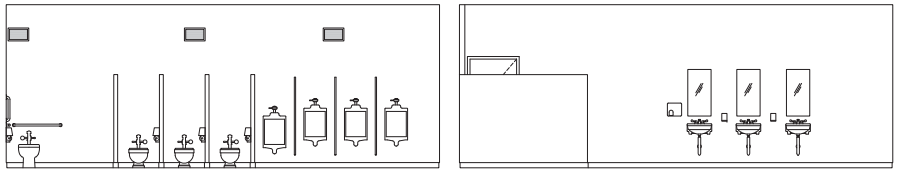


5A A130 TYPICAL MOUNTING HEIGHTS
1/4" = 1'-0"

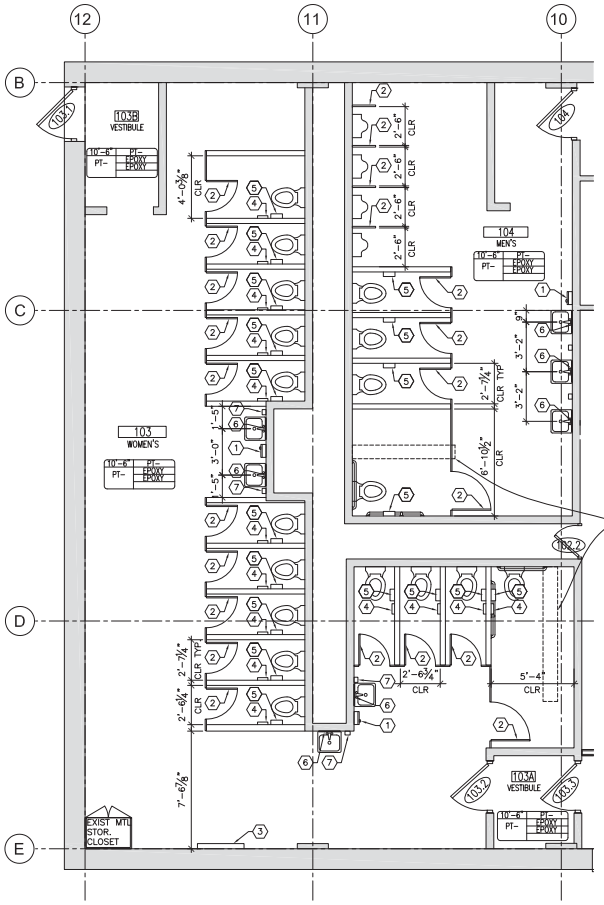


5B A130 TYPICAL MOUNTING HEIGHTS
1/4" = 1'-0"

SEE 3C/A130 FOR TYP. WALL FINISHES IN RESTROOM 104



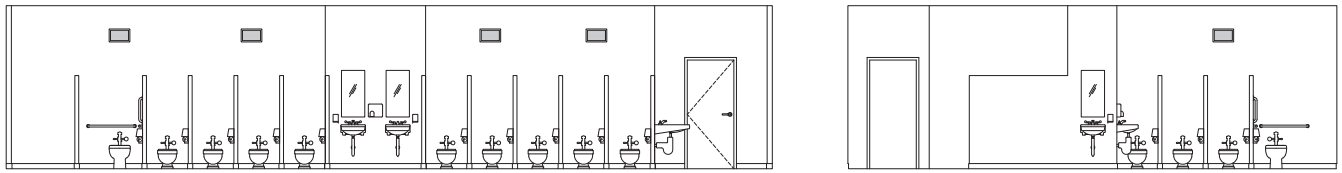
5C A130 MEN'S RESTROOM ELEVATIONS (104)
1/4" = 1'-0"



3C A130 ENLARGED RESTROOM PLAN
1/4" = 1'-0"

NOTE: GC TO FIELD VERIFY EXISTING DIMENSIONS

SEE 3C/A130 FOR TYP. WALL FINISHES IN RESTROOM 103



5D A130 WOMEN'S RESTROOM ELEVATIONS (103)
1/4" = 1'-0"

TOILET ROOM ACCESSORIES

1. ELECTRIC HAND DRYER
2. TOILET/URINAL PARTITION/DOORS
3. BABY CHANGING STATION
4. SANITARY NAPKIN RECEPTACLE (WOMEN'S ONLY)
5. TOILET PAPER DISPENSER
6. MIRROR
7. SOAP DISPENSER

FINISH TAG KEY

CLG HT	CLG FIN
WALL FINISHES	BASE FIN
	NOTES

GENERAL NOTE (THIS SHEET ONLY)

1. CONTRACTOR TO PROVIDE ALL NEW TOILET PARTITIONS & DOORS, ALL NEW URINAL SCREENS.
2. ALL EXISTING DOORS & FRAMES TO BE PREPPED PRIMED & PAINTED.

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DRAWING TITLE

ENLARGED FLOOR PLANS

DRAWING NUMBER

A130

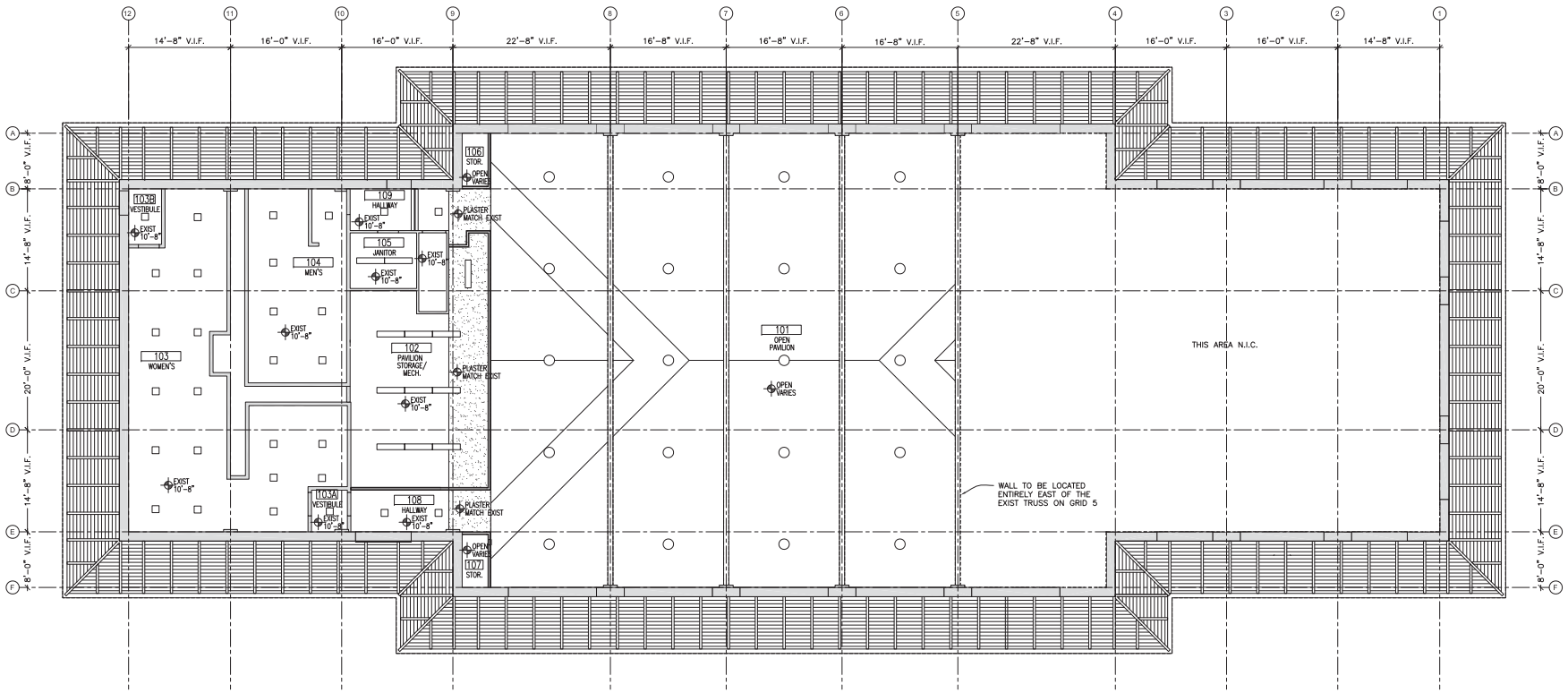
1 2 3 4 5 6 7 8 9 10

GENERAL CEILING PLAN NOTES

1. AT THE EXPOSED EXISTING TIMBER STRUCTURE:
   a. CLEAN DIRT AND DEBRIS FROM WOOD MEMBERS.
   b. REMOVE SCREENING AND FRAMING.
   c. REMOVE ALL ABANDONED AND MISC WIRES, CONDUITS, PIPING, HANGERS, NAILS, NESTS, ETC.
   d. REMOVE PAINT AT CEILING AT GARAGE DOOR OPENINGS, STAIN TO MATCH EXISTING SURROUNDING STAIN. IF BARE WOOD OR LIGHT AREAS ARE EXPOSED, STAIN TO MATCH EXISTING SURROUNDING STAIN.
2. INSTALL BIRD DETERRENT SYSTEM WITHIN THE STRUCTURE. METAL SPIKES AND NETTING – EXTENTS TBD.
3. EXIST PLASTER CEILINGS TO BE PAINTED SEE SHEET A100.
4. PAINT WOOD SOFFITS AND RAFTERS SEE SHEET A200 & A201.

GENERAL PLAN NOTES

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS.
2. PREPARE SURFACES ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS FOR EACH SUBSTRATE CONDITION.
3. DIMENSIONS AT STUD PARTITIONS ARE TO CENTERLINE OF WALL ASSEMBLY. DIMENSIONS AT MASONRY OPENINGS ARE TO FACE OF WALL.
4. DOOR OPENINGS IN STUD PARTITIONS ARE DIMENSIONED TO THE CENTERLINE OF OPENING. IF NO DIMENSION PROVIDED, LOCATE DOOR OPENING APPROXIMATELY 4" FROM ADJACENT PARTITION.
5. DOOR OPENINGS IN MASONRY PARTITIONS ARE CLEAR OPENINGS DIMENSIONED TO FACE OF WALL.
6. RENOVATION & NEW CONSTRUCTION WILL REQUIRE PATCHING & REPAIR OF EXISTING FLOOR, WALL & CEILING SURFACES. PLASTER AND DRYWALL FINISHES TO MATCH SURROUNDING TEXTURE AND APPEARANCE. AT PAINTED SURFACES, PAINT ENTIRE SURFACE, CORNER TO CORNER.
7. PROVIDE FIRE BLOCKING/SEALANT AT ALL OPENINGS BETWEEN FLOORS AND AT RATED WALLS.



5D / A150 REFLECTED CEILING PLAN
1/8" = 1'-0"

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PROJECT

MINNEHAHA REFECTORY RENOVATIONS

PHASE 3

MINNEAPOLIS, MN

ISSUED

Mark	Date	Description

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DRAWING TITLE

REFLECTED CEILING PLAN

DRAWING NUMBER

A150

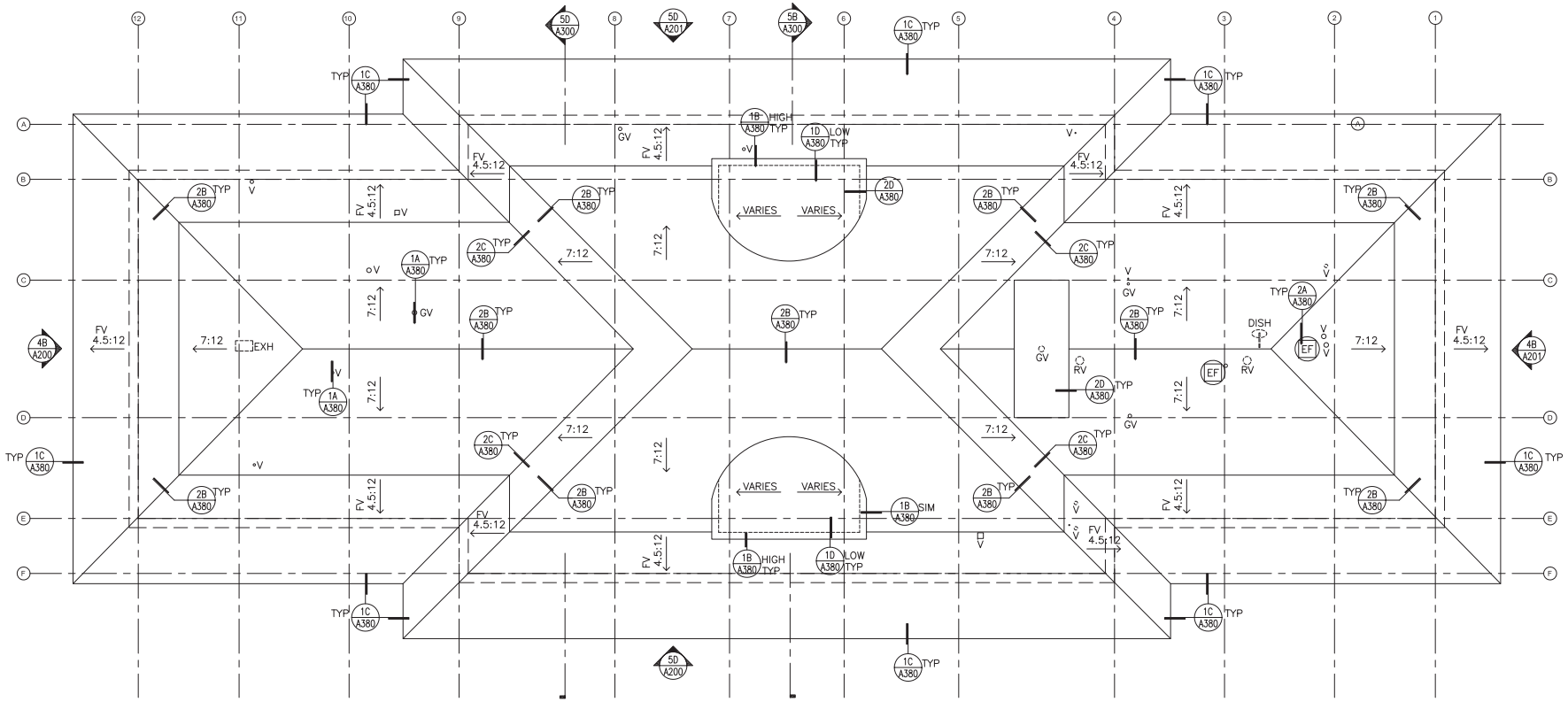
1 2 3 4 5 6 7 8 9 10

LEGEND

GV	–	GAS VENT
V	–	VENT
EXH	–	EXHAUST
RV	–	ROOF VENT
EF	–	EXHAUST FAN

GENERAL ROOFING NOTES

1. CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS.
2. CUT AND PATCH AS REQUIRED FOR REPAIRS. ALL MATERIALS TO REMAIN TO BE PROTECTED AS REQUIRED FROM DAMAGE. CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR/ REPLACEMENT OF MATERIALS AS APPROVED BY ARCHITECT.
3. REMOVE ALL ROOFING SHINGLES, UNDERLAYMENTS, FLASHINGS, FASTENERS, AND SEALANTS TO BARE SHEATHING. REMOVE NO MORE EXISTING ROOFING THAN CAN BE COVERED IN ONE DAY BY NEW ROOFING. PROCEED W/ INSTALLATION WHEN WEATHER CONDITIONS PERMIT.
4. CHECK ALL SHEATHING FOR STRUCTURAL INTEGRITY. REPLACE AS REQUIRED WITH LIKE MATERIALS IN TYPE AND DIMENSION. VERIFY THAT SHEATHING IS DRY, SMOOTH, CLEAN, AND COMPLETELY ANCHORED.
5. WHERE EXISTING ABANDONED ROOF PENETRATIONS ARE FOUND, REMOVE AND PATCH THE PENETRATION THROUGH THE DECKING WITH LIKE MATERIALS IN TYPE AND DIMENSION.
6. SHEET METAL FLASHING FABRICATION TO COMPLY WITH SMACNA'S RECOMMENDATIONS.
7. SHEET METAL FLASHING INSTALLATION TO COMPLY WITH "THE NRCA ROOFING AND WATERPROOFING MANUAL".
8. ALL ROOFING NAILS TO BE CONCEALED AND BE SUFFICIENT LENGTH TO PENETRATE SUBSTRATE BUT NOT THROUGH TO THE BUILDING INTERIOR.
9. DISH TO BE MOVED TO A LOCATION ON OR NEAR MECH CHIMNEY N.I.C. – BY SEA SALT CONTRACT
10. UNO, ALL ROOF MECHANICAL PENETRATIONS TO USE DETAIL 1A/A380



5D A170 ROOF PLAN
1/8" = 1'-0"

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MINNEHAHA REFECTORY RENOVATIONS

PHASE 3

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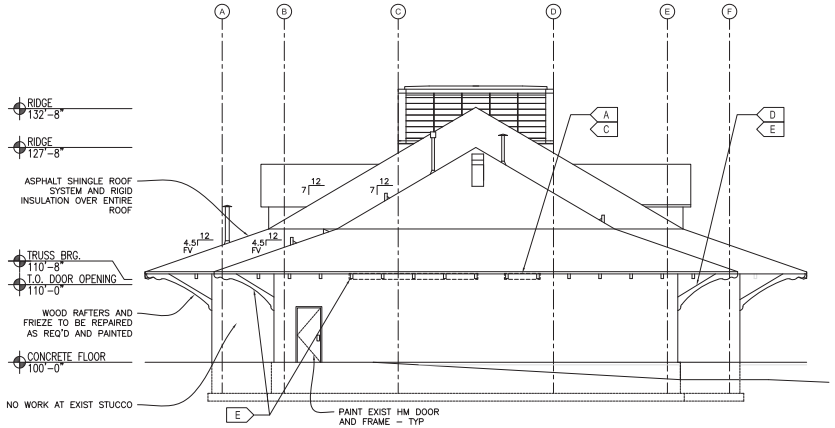
DRAWING TITLE

ROOF PLAN

DRAWING NUMBER

A170

1 2 3 4 5 6 7 8 9 10



4B A200 **WEST ELEVATION**
1/8" = 1'-0"

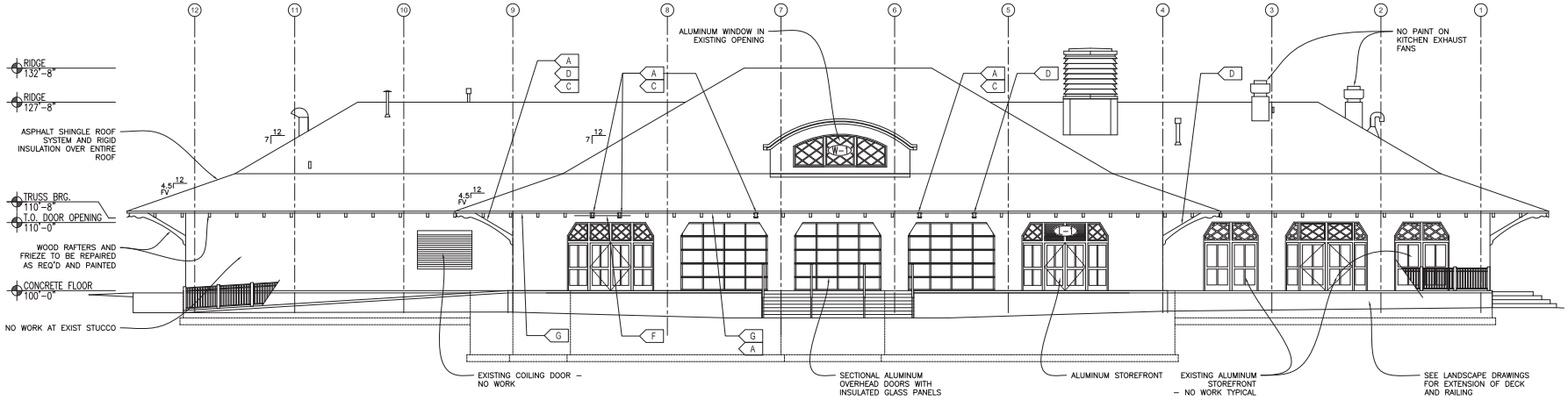
GENERAL ELEVATION NOTES

1. EXISTING ASPHALT ROOF SYSTEM TO BE REPLACED IN ITS ENTIRETY WITH NEW ASPHALT ROOF SYSTEM AND RIGID INSULATION – SEE A170.
2. ALL WOOD TRIM TO BE RESTORED AS INDICATED AND PAINTED. THIS INCLUDES, BUT IS NOT LIMITED TO, RAFTERS, EXTERIOR EXPOSED DECKING, SOFFIT TRIM BOARDS, AND FASCIA.
3. PAINT EXISTING CONDUITS, ETC TO REMAIN WHICH CROSS INTO AREAS WITH WOOD TRIM.
4. ALL MECHANICAL ROOF PENETRATIONS, UNLESS OTHERWISE NOTED, TO BE PAINTED TO MATCH THE ASPHALT ROOFING. COLOR TO BE SELECTED BY ARCHITECT.
5. NO WORK AT EXISTING STUCCO UNLESS REQUIRED AFTER THE EXISTING GARAGE DOORS AND COILING DOORS ARE REMOVED. IF STUCCO IS DAMAGED DURING REMOVAL OF GARAGE DOORS, REVIEW WITH ARCHITECT EXTENT OF STUCCO REPLACEMENT.
6. NO WORK AT THE EXISTING ALUMINUM STOREFRONT AT THE EAST END OF THE BUILDING (SEA SALT).

ELEVATION KEY – WOOD RESTORATION

1. LOCATIONS NOTED ON ELEVATION ARE FOR REFERENCE ONLY. ALL ENCOUNTERED MATERIAL CONDITIONS LISTED BELOW ARE TO RECEIVE ASSOCIATED TREATMENT EVEN IF NOT IDENTIFIED ON ELEVATIONS.
2. MINOR DINGS, GOUGES, AND SMALL HOLES CAN BE FILLED WITH WOOD FILLER OR COMPOUND.
3. DAMAGED EDGES AND CORNERS TO BE TREATED WITH TWO PART EPOXY WOOD FILLERS.

MATERIAL CONDITION:	TREATMENT:
A ROT	A SCRAPE REPAIR AREA TO BARE WOOD. REMOVE ANY LOOSE WOOD (PUNKY OK). INSURE THAT THE REPAIR AREA IS DRY. SATURATE WITH A BORATE TREATMENT. TREAT AREA WITH WOOD CONSOLIDATE. APPLY TWO PART EPOXY. SCRAPE, PLANE, OR SAND REPAIR TO FLUSH WITH THE SURROUNDING SURFACES.
B CHECKING RAFTER	B SCRAPE REPAIR AREA TO BARE WOOD. REMOVE ANY LOOSE WOOD (PUNKY OK). INSURE THAT THE REPAIR AREA IS DRY. TREAT AREA WITH WOOD CONSOLIDATE. APPLY TWO PART EPOXY. SCRAPE, PLANE, OR SAND REPAIR TO FLUSH WITH THE SURROUNDING SURFACES. DO NOT LEAVE A THIN COAT OF EPOXY, ONLY FILLED CRACKS SHOULD BE VISIBLE.
C MISSING RAFTER TAIL	C REPLACE MISSING WOOD UTILIZING A DUTCHMAN REPAIR. REMOVE ANY LOOSE WOOD AND WITH A SMOOTH STRAIGHT CUT, REMOVE THE DAMAGED WOOD BACK TO SOUND WOOD. NEW WOOD TO BE PRESERVATIVE TREATED AND PRIMED AND MATCH THE EXISTING IN ALL ASPECTS.
D SPLIT RAFTER/ BRACKET	D PROVIDE DUTCHMAN REPAIR AS DESCRIBED ABOVE.
E EXISTING SPLICE	E REMOVE EXISTING SPLICE. ARCHITECT TO DETERMINE APPROPRIATE TREATMENT.
F DAMAGED FRIEZE BOARD	F MINOR DINGS, GOUGES, AND SMALL HOLES CAN BE FILLED WITH WOOD FILLER OR COMPOUND. DAMAGED EDGES AND CORNERS TO BE TREATED WITH TWO PART EPOXY WOOD FILLERS.
G WATER STAINING AT DECKING	G CLEAN THE STAINED AREA WITH A CLEANING SOLUTION AND RINSE.



5D A200 **SOUTH ELEVATION**
1/8" = 1'-0"

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PROJECT

MINNEHAHA REFECTORY RENOVATIONS

PHASE 3

MINNEAPOLIS, MN

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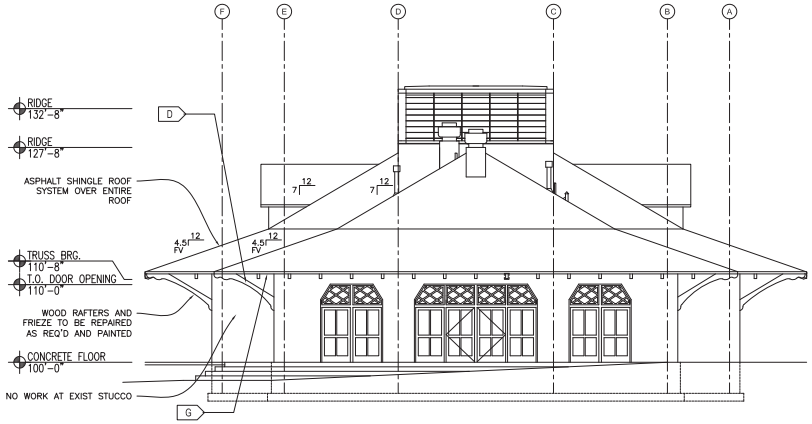
DRAWING TITLE

WEST AND SOUTH ELEVATIONS

DRAWING NUMBER

A200

1 2 3 4 5 6 7 8 9 10



4B A201 **EAST ELEVATION**
1/8" = 1'-0"

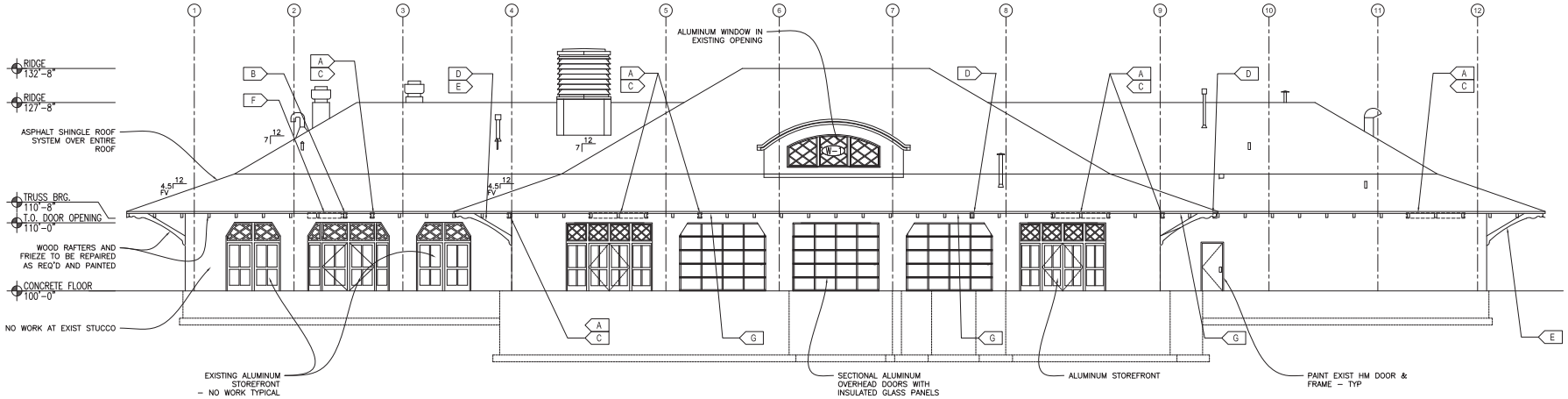
GENERAL ELEVATION NOTES

1. EXISTING ASPHALT ROOF SYSTEM TO BE REPLACED IN ITS ENTIRETY WITH NEW ASPHALT ROOF SYSTEM AND RIGID INSULATION – SEE A170.
2. ALL WOOD TRIM TO BE RESTORED AS INDICATED AND PAINTED. THIS INCLUDES, BUT IS NOT LIMITED TO, RAFTERS, EXTERIOR EXPOSED DECKING, SOFFIT TRIM BOARDS, AND FASCIA.
3. PAINT EXISTING CONDUITS, ETC TO REMAIN WHICH CROSS INTO AREAS WITH WOOD TRIM.
4. ALL MECHANICAL ROOF PENETRATIONS, UNLESS OTHERWISE NOTED, TO BE PAINTED TO MATCH THE ASPHALT ROOFING. COLOR TO BE SELECTED BY ARCHITECT.
5. NO WORK AT EXISTING STUCCO UNLESS REQUIRED AFTER THE EXISTING GARAGE DOORS AND COILING DOORS ARE REMOVED. IF STUCCO IS DAMAGED DURING REMOVAL OF GARAGE DOORS, REVIEW WITH ARCHITECT EXTENT OF STUCCO REPLACEMENT.
6. NO WORK AT THE EXISTING ALUMINUM STOREFRONT AT THE EAST END OF THE BUILDING (SEA SALT).

ELEVATION KEY – WOOD RESTORATION

1. LOCATIONS NOTED ON ELEVATION ARE FOR REFERENCE ONLY. ALL ENCOUNTERED MATERIAL CONDITIONS LISTED BELOW ARE TO RECEIVE ASSOCIATED TREATMENT EVEN IF NOT IDENTIFIED ON ELEVATIONS.
2. MINOR DINGS, GOUGES, AND SMALL HOLES CAN BE FILLED WITH WOOD FILLER OR COMPOUND.
3. DAMAGED EDGES AND CORNERS TO BE TREATED WITH TWO PART EPOXY WOOD FILLERS.

MATERIAL CONDITION:	TREATMENT:
A ROT	A SCRAPE REPAIR AREA TO BARE WOOD. REMOVE ANY LOOSE WOOD (PUNKY OK). INSURE THAT THE REPAIR AREA IS DRY. SATURATE WITH A BORATE TREATMENT. TREAT AREA WITH WOOD CONSOLIDATE. APPLY TWO PART EPOXY. SCRAPE, PLANE, OR SAND REPAIR TO FLUSH WITH THE SURROUNDING SURFACES.
B CHECKING RAFTER	B SCRAPE REPAIR AREA TO BARE WOOD. REMOVE ANY LOOSE WOOD (PUNKY OK). INSURE THAT THE REPAIR AREA IS DRY. TREAT AREA WITH WOOD CONSOLIDATE. APPLY TWO PART EPOXY. SCRAPE, PLANE, OR SAND REPAIR TO FLUSH WITH THE SURROUNDING SURFACES. DO NOT LEAVE A THIN COAT OF EPOXY, ONLY FILLED CRACKS SHOULD BE VISIBLE.
C MISSING RAFTER TAIL	C REPLACE MISSING WOOD UTILIZING A DUTCHMAN REPAIR. REMOVE ANY LOOSE WOOD AND WITH A SMOOTH STRAIGHT CUT, REMOVE THE DAMAGED WOOD BACK TO SOUND WOOD. NEW WOOD TO BE PRESERVATIVE TREATED AND PRIMED AND MATCH THE EXISTING IN ALL ASPECTS.
D SPLIT RAFTER/ BRACKET	D PROVIDE DUTCHMAN REPAIR AS DESCRIBED ABOVE.
E EXISTING SPLICE	E REMOVE EXISTING SPLICE. ARCHITECT TO DETERMINE APPROPRIATE TREATMENT.
F DAMAGED FRIEZE BOARD	F MINOR DINGS, GOUGES, AND SMALL HOLES CAN BE FILLED WITH WOOD FILLER OR COMPOUND. DAMAGED EDGES AND CORNERS TO BE TREATED WITH TWO PART EPOXY WOOD FILLERS.
G WATER STAINING AT DECKING	G CLEAN THE STAINED AREA WITH A CLEANING SOLUTION AND RINSE.



5D A201 **NORTH ELEVATION**
1/8" = 1'-0"

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MINNEHAHA REFECTORY RENOVATIONS

PHASE 3

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DRAWING TITLE

EAST AND NORTH ELEVATIONS

DRAWING NUMBER

A201

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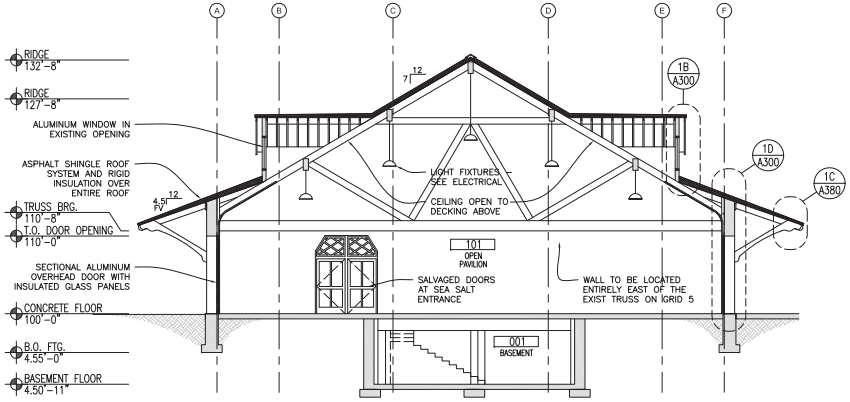
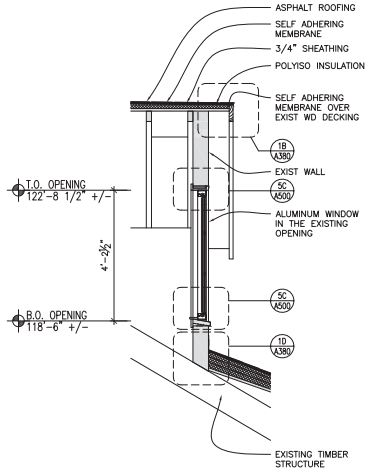
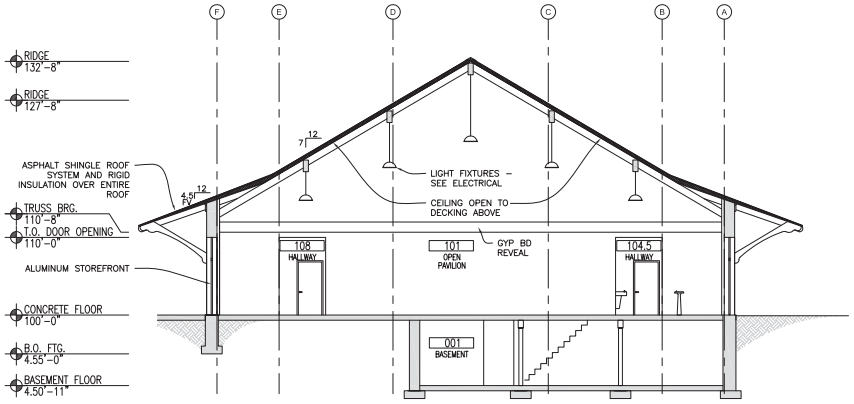


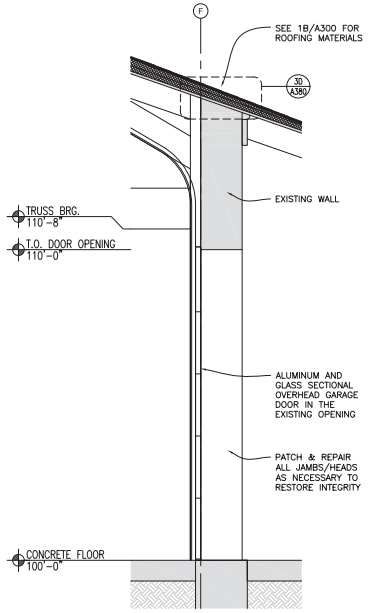
4B A300 SECTION OF EAST PAVILION
1/8" = 1'-0"



1B A300 WALL SECTION AT DORMER
1/2" = 1'-0"



4D A300 SECTION OF WEST PAVILION
1/8" = 1'-0"



1D A300 WALL SECTION AT OVERHEAD DOOR
1/2" = 1'-0"

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DRAWING TITLE

BUILDING SECTIONS AND DETAILS

DRAWING NUMBER

A300

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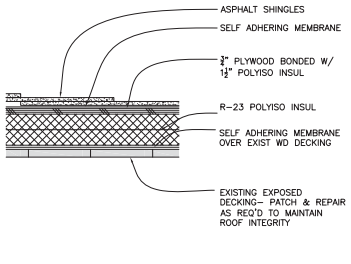
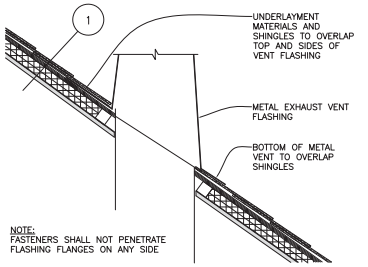
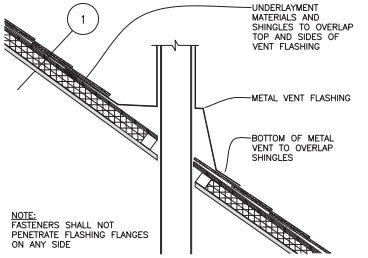


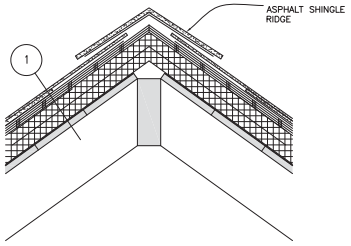
1 ROOF TYPE



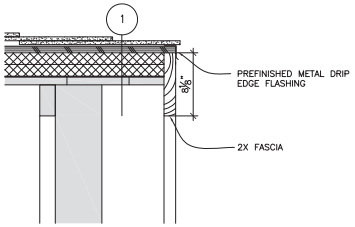
2A A380 ASPHALT SHINGLE MECHANICAL PENETRATION DETAIL
3/4" = 1'-0"



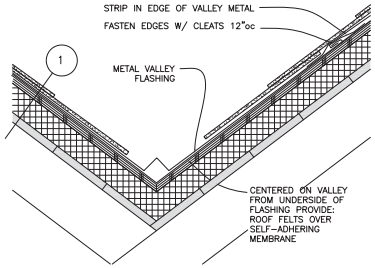
1A A380 ASPHALT SHINGLE PIPE PENETRATION DETAIL
3/4" = 1'-0"



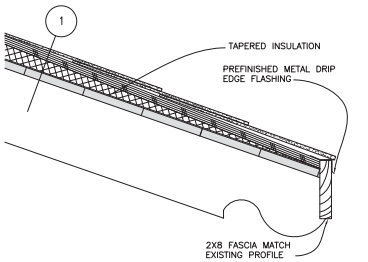
2B A380 ASPHALT SHINGLE RIDGE DETAIL
1 1/2" = 1'-0"



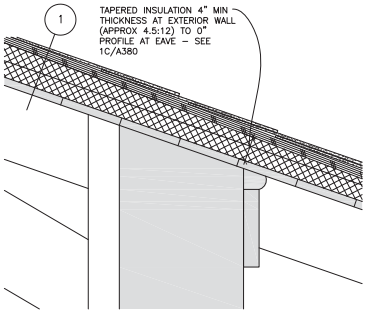
1B A380 ASPHALT SHINGLE RAKE DETAIL
1 1/2" = 1'-0"



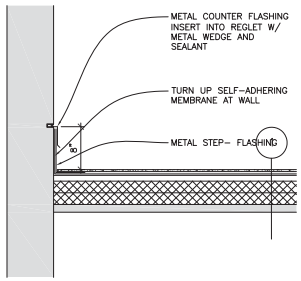
2C A380 ASPHALT SHINGLE VALLEY DETAIL
1 1/2" = 1'-0"



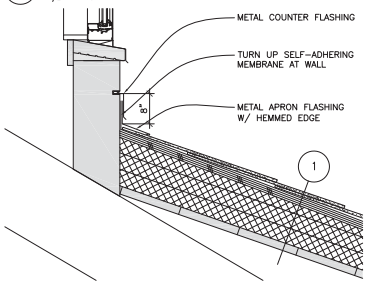
1C A380 ASPHALT SHINGLE EAVE DETAIL
1 1/2" = 1'-0"



3D A380 ASPHALT SHINGLE EXTERIOR WALL DETAIL
1 1/2" = 1'-0"



2D A380 ASPHALT SHINGLE SIDE WALL DETAIL
1 1/2" = 1'-0"



1D A380 ASPHALT SHINGLE END WALL DETAIL
1 1/2" = 1'-0"

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DRAWING TITLE

ROOF DETAILS

DRAWING NUMBER

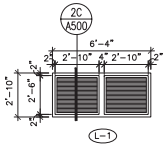
A380

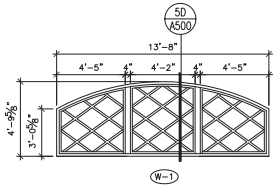
1 2 3 4 5 6 7 8 9 10

DOOR & FRAME SCHEDULE

NOTE: ALL LOCK CORES TO BE COMPATIBLE WITH OWNER KEYING SYSTEM. DIMENSIONS AT EXISTING OPENING ARE FOR PRICING PURPOSES ONLY. G.C. TO FIELD VERIFY ALL DIMENSIONS.

	DOOR						FRAME			HDWR	DETAILS			FIRE	
NUMBER	TYPE	QUANTITY	DOOR SIZE (WxHxTHICKNESS)	MATERIAL	FINISH	GLASS	TYPE	MATERIAL	FINISH	GROUP	HEAD	JAMB	SILL	RATING	REMARKS
101A	D2	2	3'-0" X 7'-0" X 1 3/4"	ALUMINUM	PT-?	GL-2T	F-3	ALUMINUM	PT-?	TBD	1C/A500	1D/A500	1C/A500	NONE	–
101B	D3	1	12'-8" X 10'-0" X 2"	ALUMINUM	PT-?	GL-2T	–	ALUMINUM	PT-?	–	–	3D/A500	–	NONE	OVERHEAD DOOR
101C	D3	1	12'-8" X 10'-0" X 2"	ALUMINUM	PT-?	GL-2T	–	ALUMINUM	PT-?	–	–	3D/A500	–	NONE	OVERHEAD DOOR
101D	D3	1	12'-8" X 10'-0" X 2"	ALUMINUM	PT-?	GL-2T	–	ALUMINUM	PT-?	–	–	3D/A500	–	NONE	OVERHEAD DOOR
101E	EXIST	2	EXIST	EXIST	PT-?	GL-2T	EXIST	EXIST	PT-?	EXIST	–	–	–	NONE	REPLACE BROKEN GLAZING, CLEAN
101F	D3	1	12'-8" X 10'-0" X 2"	ALUMINUM	PT-?	GL-2T	–	ALUMINUM	PT-?	–	–	3D/A500	–	NONE	OVERHEAD DOOR
101G	D3	1	12'-8" X 10'-0" X 2"	ALUMINUM	PT-?	GL-2T	–	ALUMINUM	PT-?	–	–	3D/A500	–	NONE	OVERHEAD DOOR
101H	D3	1	12'-8" X 10'-0" X 2"	ALUMINUM	PT-?	GL-2T	–	ALUMINUM	PT-?	–	–	3D/A500	–	NONE	OVERHEAD DOOR
101I	D2	2	3'-0" X 7'-0" X 1 3/4"	ALUMINUM	PT-?	GL-2T	F-4	ALUMINUM	PT-?	TBD	1C/A500	1D/A500	1C/A500	NONE	–
102A	D1	2	3'-0" X 7'-0" X 1 3/4"	HM	PT-?	NONE	F-2	HM	PT-?	EXIST	2D/A500	2D/A500	–	60 MIN	–
102B	D1	1	EXIST	HM	PT-?	NONE	F-2	HM	PT-?	EXIST	2D/A500	2D/A500	–	60 MIN	MECHANICAL ACCESS DOOR
103A	EXIST	1	EXIST	HM	PT-?	NONE	F-1	HM	PT-?	TBD	2D/A500	2D/A500	–	NONE	–
103B	EXIST	1	EXIST	HM	PT-?	NONE	F-1	HM	PT-?	TBD	2D/A500	2D/A500	–	NONE	–
103C	EXIST	1	EXIST	HM	PT-?	NONE	F-1	HM	PT-?	TBD	2D/A500	2D/A500	–	NONE	–
104	EXIST	1	EXIST	HM	PT-?	NONE	F-1	HM	PT-?	TBD	2D/A500	2D/A500	–	NONE	–
105	EXIST	1	EXIST	HM	PT-?	NONE	F-1	HM	PT-?	TBD	2D/A500	2D/A500	–	NONE	–
106	D1	1	3'-0" X 7'-0" X 1 3/4"	HM	PT-?	NONE	F-1	HM	PT-?	TBD	2D/A500	2D/A500	–	NONE	–
107	D1	1	3'-0" X 7'-0" X 1 3/4"	HM	PT-?	NONE	F-1	HM	PT-?	TBD	2D/A500	2D/A500	–	NONE	–
109A	EXIST	1	EXIST	HM	PT-?	NONE	F-1	HM	PT-?	TBD	2D/A500	2D/A500	–	NONE	–
109B	EXIST	1	EXIST	HM	PT-?	NONE	F-1	HM	PT-?	TBD	2D/A500	2D/A500	–	NONE	–
110A	D2	2	3'-0" X 7'-0" X 1 3/4"	ALUMINUM	PT-?	GL-2T	F-3	ALUMINUM	PT-?	TBD	1C/A500	1D/A500	1C/A500	NONE	–
115A	D2	2	3'-0" X 7'-0" X 1 3/4"	ALUMINUM	PT-?	GL-2T	F-5	ALUMINUM	PT-?	TBD	2C/A500	1D/A500	1C/A500	NONE	–

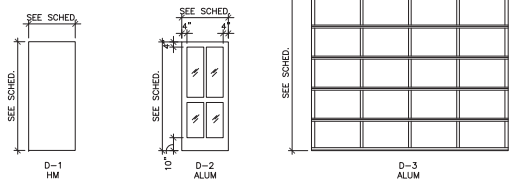




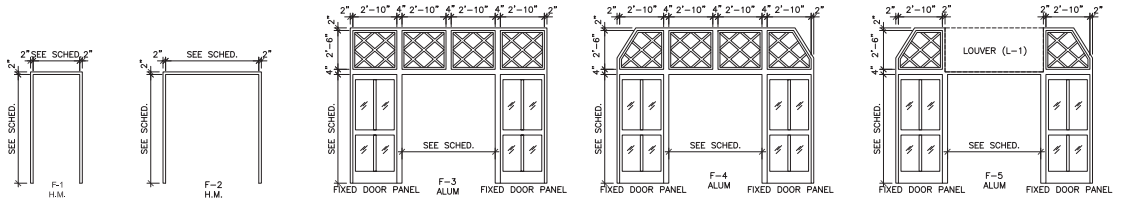
MUNTIN PROFILE & DIMENSION TO MATCH EXISTING AT SEA SALT – CONFIGURATION TO BE AS SHOWN.

5A A500 **LOUVER TYPES** PT-?
1/4" = 1'-0"

4A A500 **WINDOW TYPES** PT-?
1/4" = 1'-0"



5B A500 **DOOR TYPES**
1/4" = 1'-0"

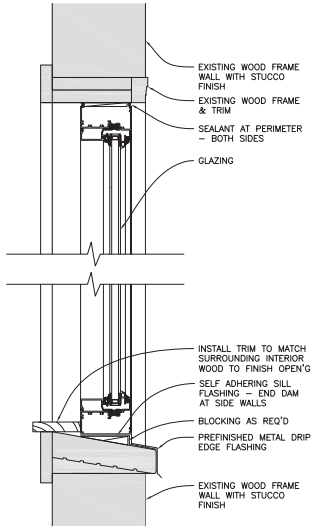


MUNTIN PROFILE & DIMENSION TO MATCH EXISTING AT SEA SALT – CONFIGURATION TO BE AS SHOWN.

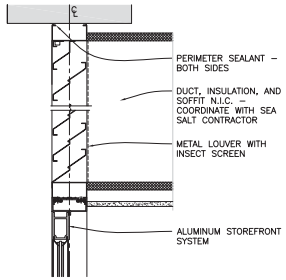
MUNTIN PROFILE & DIMENSION TO MATCH EXISTING AT SEA SALT – CONFIGURATION TO BE AS SHOWN.

MUNTIN PROFILE & DIMENSION TO MATCH EXISTING AT SEA SALT – CONFIGURATION TO BE AS SHOWN.

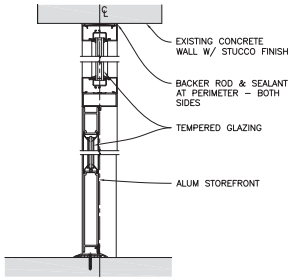
3B A500 **FRAME TYPES**
1/4" = 1'-0"



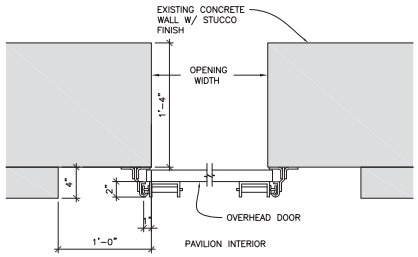
5D A500 **DORMER WINDOW HEAD AND SILL DETAIL**
3" = 1'-0"



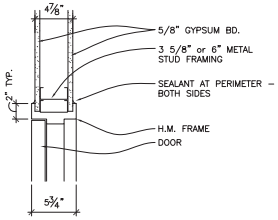
2C A500 **HEAD AND SILL AT LOUVER**
1-1/2" = 1'-0"



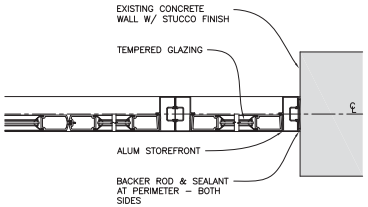
1C A500 **HEAD AND SILL AT ALUM STOREFRONT WITH TRANSOM**
1-1/2" = 1'-0"



3D A500 **OVERHEAD DOOR JAMB DETAIL**
1-1/2" = 1'-0"



2D A500 **HEAD/JAMB AT H.M. DOOR IN STUD WALL**
1-1/2" = 1'-0"



1D A500 **JAMB AT ALUM. STORE FRONT IN EXT. CONC. WALL**
1-1/2" = 1'-0"

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MBJ

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PROJECT

MINNEHAHA REFECTORY RENOVATIONS

PHASE 3

MINNEAPOLIS, MN

ISSUED

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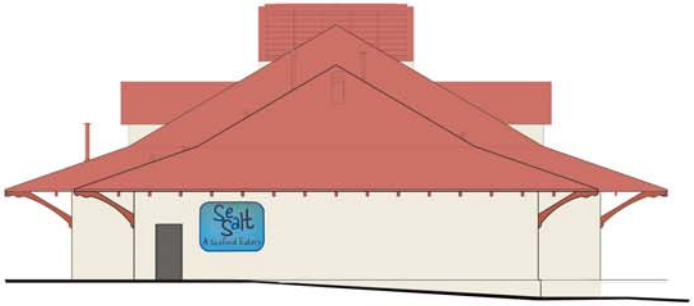
DRAWING TITLE

DOOR SCHEDULE & WINDOW SEHCUDLE DETAILS

DRAWING NUMBER

A500

1 2 3 4 5 6 7 8 9 10



WEST ELEVATION
1/16" = 1'-0"

SOUTH ELEVATION
1/16" = 1'-0"

MINNEHAHA PAVILION ELEVATIONS
MAY 28TH, 2014

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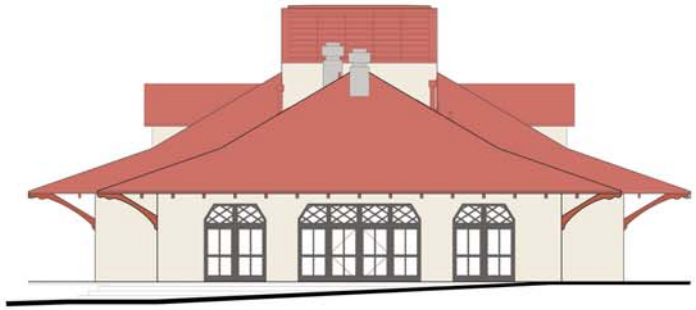

EAST ELEVATION
1/16" = 1'-0"

NORTH ELEVATION
1/16" = 1'-0"

MINNEHAHA PAVILION ELEVATIONS
MAY 28TH, 2014

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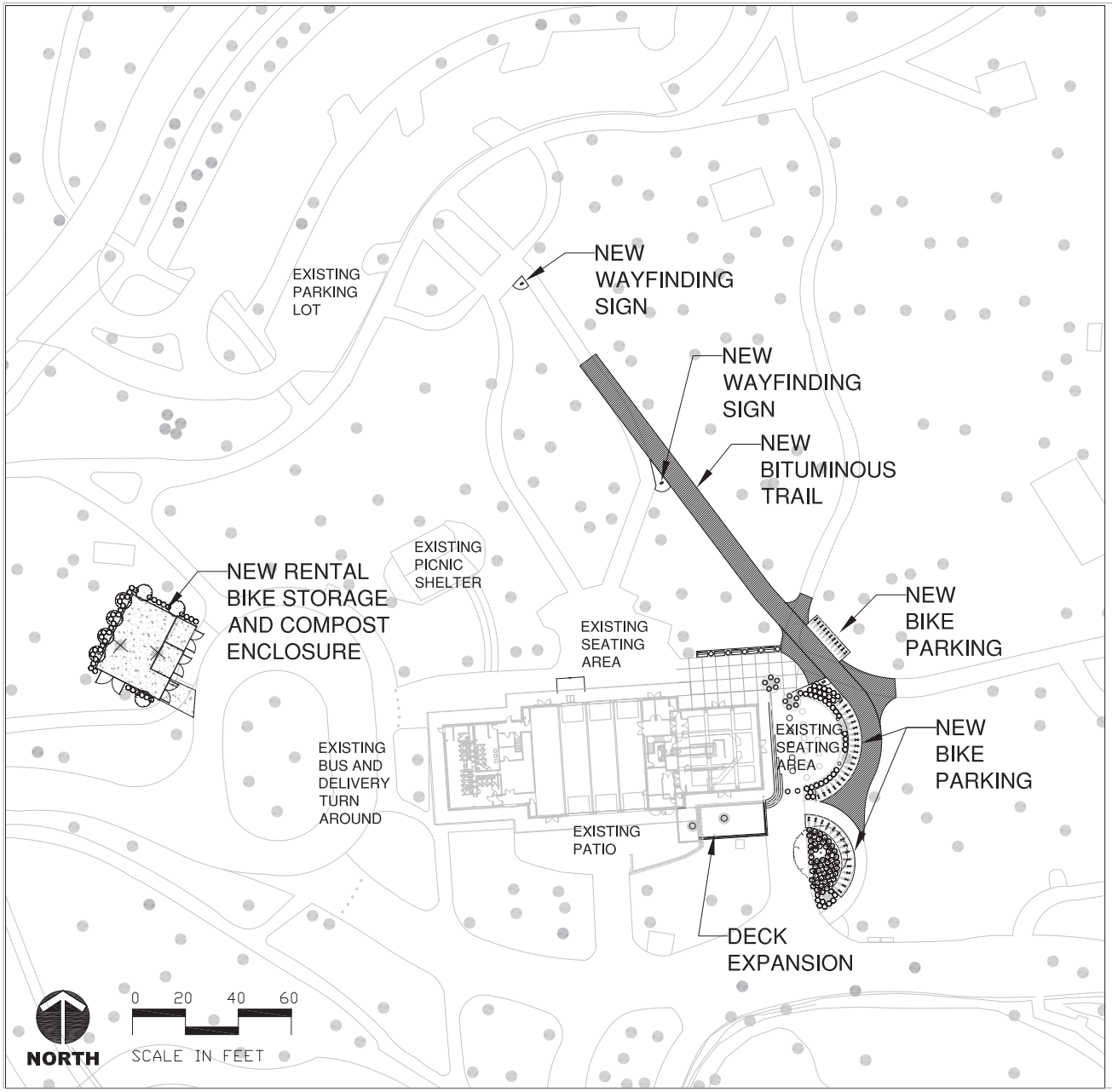

MINNEHAHA PARK & REFECTORY SITE IMPROVEMENTS

SHEET INDEX

T1	TITLE SHEET
L1	LANDSCAPE LAYOUT PLANS
L4	LANDSCAPE SECTIONS/ELEVATIONS
LD1	LANDSCAPE DETAILS

OWNER:
MINNEAPOLIS PARK AND RECREATION BOARD

LANDSCAPE ARCHITECT:
HOISINGTON KOEGLER GROUP, INC.
123 N. 3RD ST. SUITE 100
MPLS, MN. 55401
CONTACT: BRYAN HARJES OR GABRIELLE GRINDE

Minneapolis Park & Recreation Board

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Date
License No. 23594

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SITE IMPROVEMENTS

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T1

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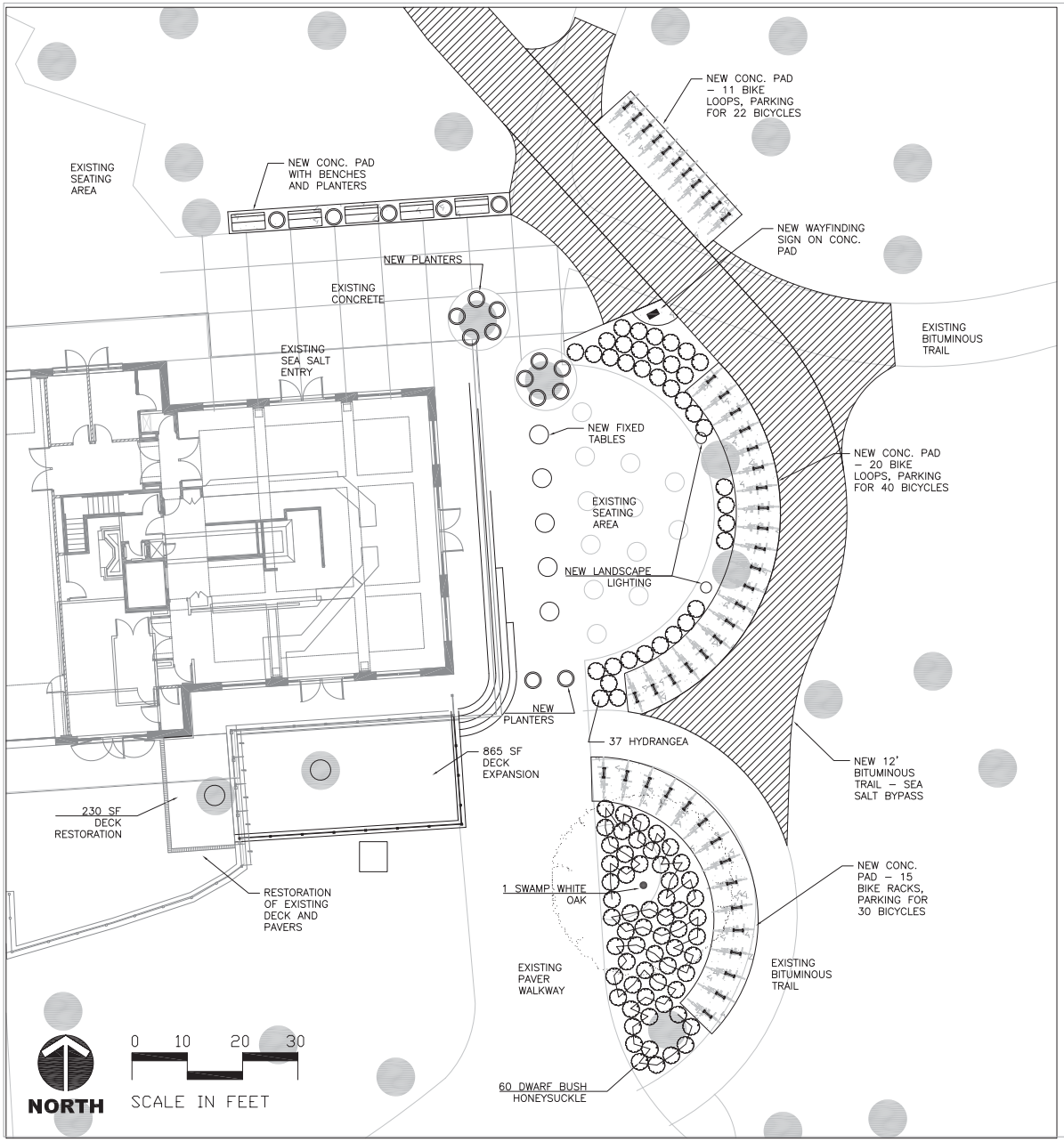

LAYOUT NOTES:

- ALL LAYOUTS TO BE STAKED AND VERIFIED IN FIELD
- REFER TO CIVIL DRAWINGS FOR EROSION CONTROL, TREE PROTECTION, GENERAL TURF RESTORATION AND CURB AND UTILITY INFORMATION.
- COORDINATE WITH ELECTRICAL
- COORDINATE WITH IRRIGATION
- REFER TO PLANTING PLAN AND DETAILS FOR PLANT INSTALLATION

LAYOUT LEGEND:

- CONCRETE PAVEMENT
- BITUMINOUS PAVEMENT
- WORK LIMITS
- BENCH
- FIXED DINING TABLE
- BIKE LOOP
- PLANTER POT

PLANTING LEGEND

- EX. TREE
- PROPOSED SHRUB
- PROPOSED TREE
- TREE TO BE REMOVED

PLANT SCHEDULE

Total	Qty.	Common Name	Scientific Name	Height
1	DECIDUOUS TREES			
	1	SWAMP WHITE OAK	Quercus bicolor	50-60'
97	DECIDUOUS SHRUBS			
	60	DWARF BUSH HONEYSUCKLE	Diervilla lonicera	3-4'
	37	ANNABELLE SMOOTH HYDRANGEA	Hydrangea arborescens 'Annabelle'	3-4 '

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SITE IMPROVEMENTS AROUND BUILDING

DRAWING NUMBER

L1

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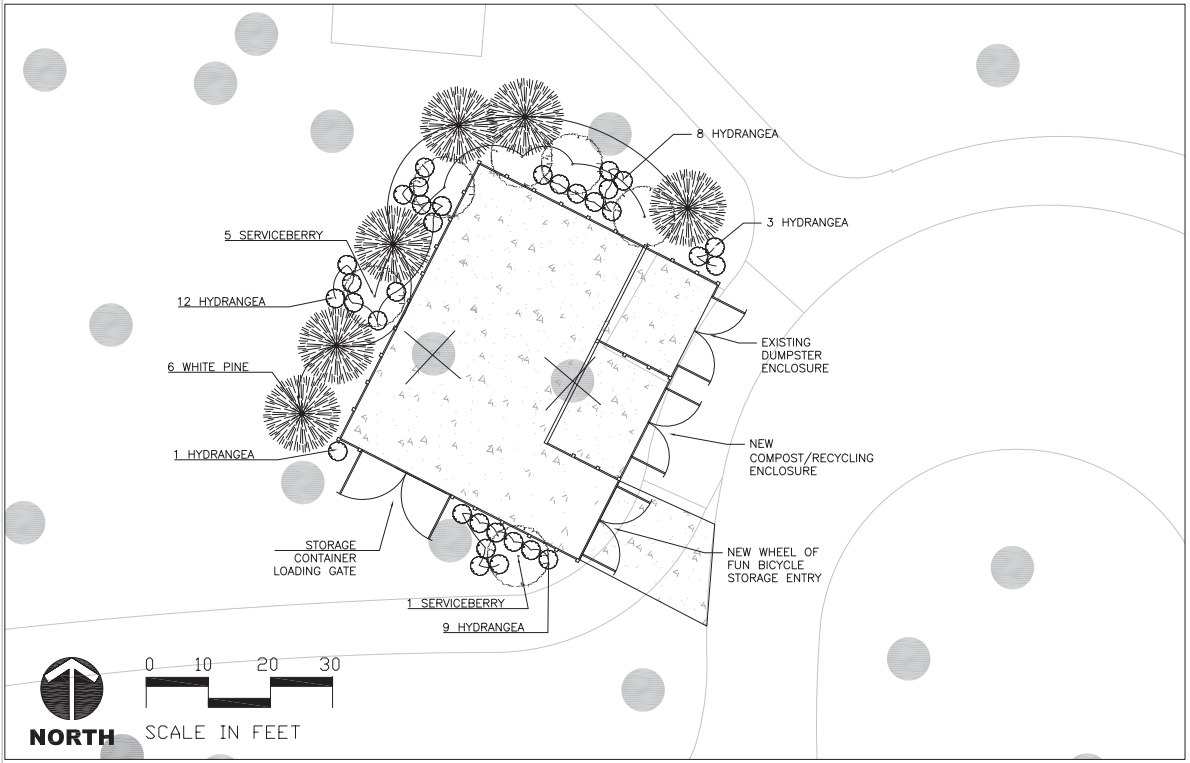

LAYOUT NOTES:

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- REFER TO CIVIL DRAWINGS FOR EROSION CONTROL, TREE PROTECTION, GENERAL TURF RESTORATION AND CURB AND UTILITY INFORMATION.
- COORDINATE WITH ELECTRICAL
- COORDINATE WITH IRRIGATION
- REFER TO PLANTING PLAN AND DETAILS FOR PLANT INSTALLATION

LAYOUT LEGEND:

- CONCRETE PAVEMENT
- BITUMINOUS PAVEMENT
- WORK LIMITS
- BENCH
- FIXED DINING TABLE
- BIKE LOOP
- PLANTER POT

PLANTING LEGEND

- EX. TREE
- PROPOSED TREE
- PROPOSED SHRUB
- TREE TO BE REMOVED

PLANT SCHEDULE

Total	Qty.	Common Name	Scientific Name	Height
6	CONIFEROUS TREES			
	6	COLUMNAR EASTERN WHITE PINE	Pinus strobus 'Fastigiata'	30-40'
6	DECIDUOUS TREES			
	6	SERVICEBERRY	Amelanchier x grandiflora	20-25'
33	DECIDUOUS SHRUBS			
	33	ANNABELLE SMOOTH HYDRANGEA	Hydrangea arborescens 'Annabelle'	3-4 '

1 / L2 SOUTH FACING BIKE STORAGE ENCLOSURE ELEVATION

0 10 20 30 40 50 FT

2 / L2 EAST FACING BIKE STORAGE/COMPOST ENCLOSURE ELEVATION

0 10 20 30 40 50 FT

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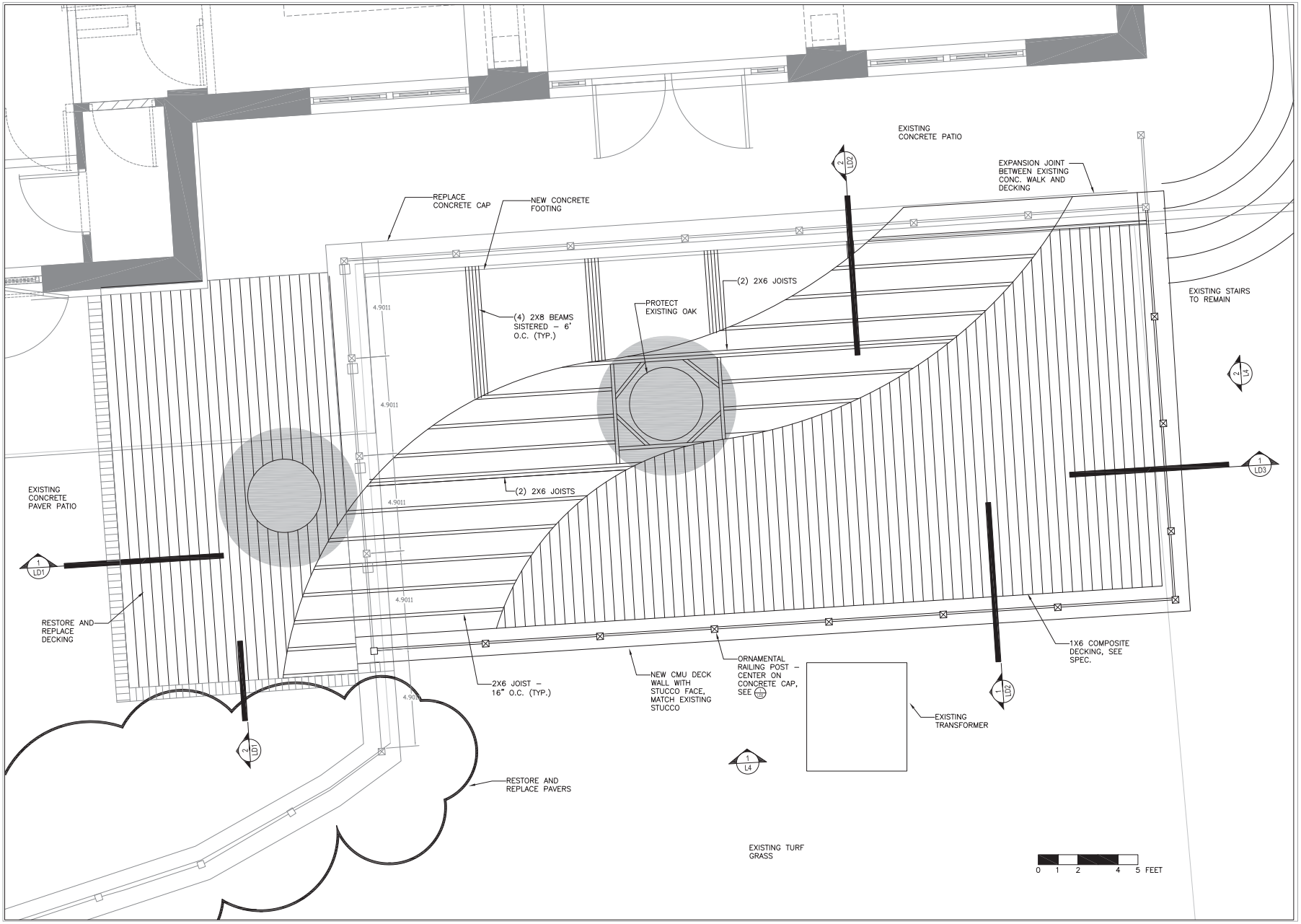
NEW BICYCLE STORAGE AND COMPOST ENCLOSURE

DRAWING NUMBER

L2

1 2 3 4 5 6 7 8 9 10



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SHEET TITLE

DECK LAYOUT

SHEET NUMBER

L3

1 2 3 4 5 6 7 8 9 10

X
XX
SOUTH FACING ELEVATION

0 10 20 30 40 50 FT

X
XX
EAST FACING ELEVATION

0 10 20 30 40 50 FT

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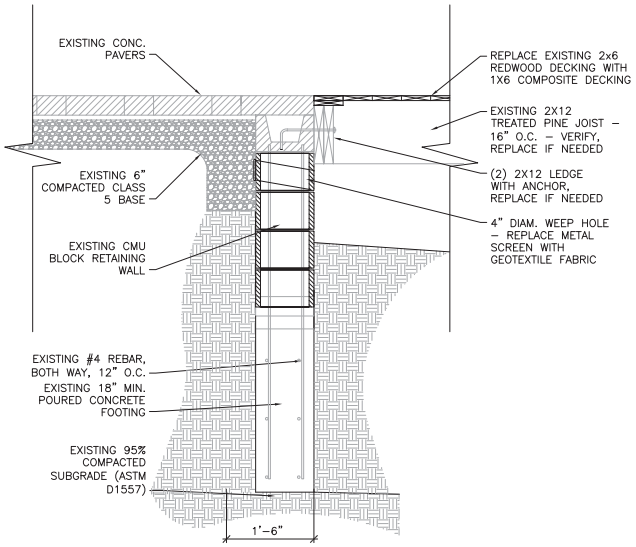
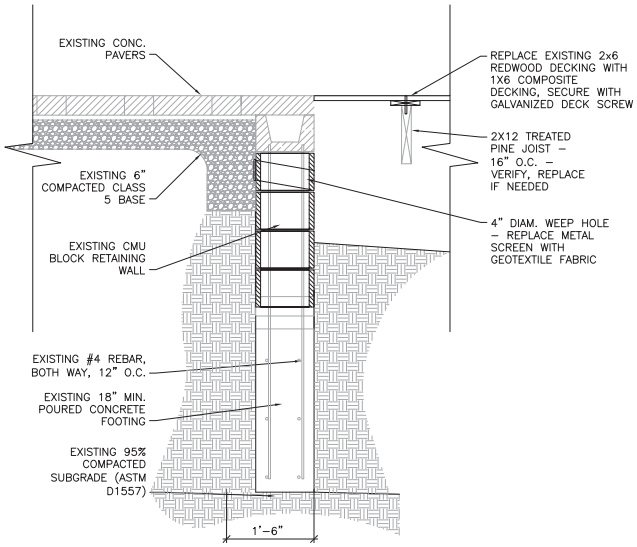
DECK SECTION/ ELEVATIONS

L4



1 / LD1 EXISTING DECK WALL DETAIL

0 1 2 FT



2 / LD1 EXISTING DECK WALL DETAIL

0 1 2 FT

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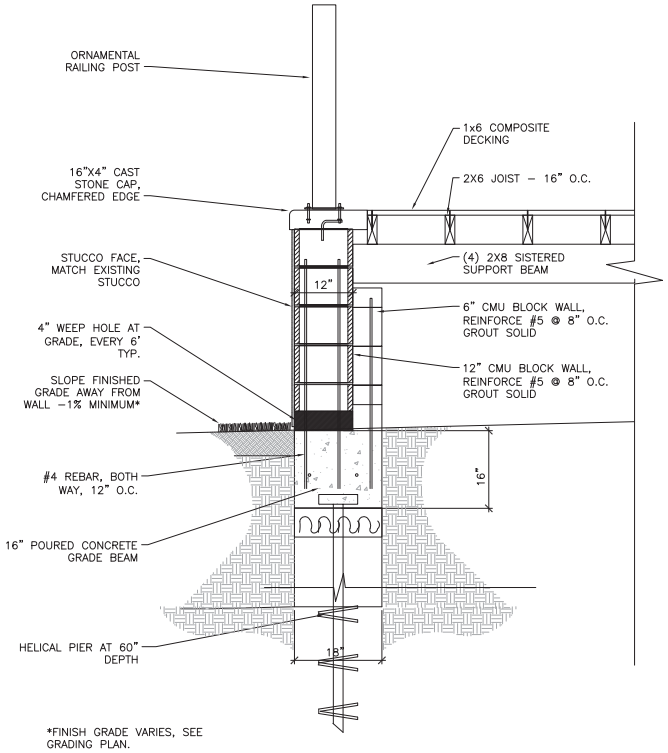
DRAWING TITLE

DECK DETAILS

DRAWING NUMBER

LD1

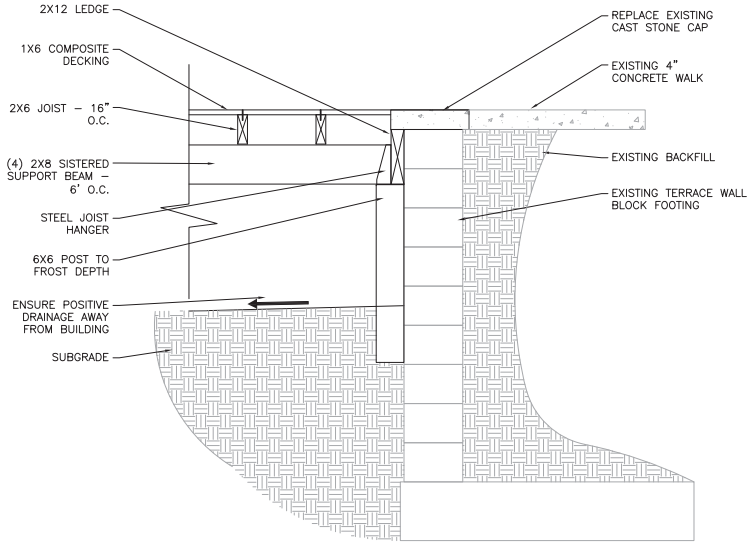
1 2 3 4 5 6 7 8 9 10



*FINISH GRADE VARIES, SEE GRADING PLAN.

1 / LD2 NEW OUTER DECK WALL DETAIL

0 1 2 FT



2 / LD2 DECKING AT EXISTING CONCRETE PATIO WALK

0 1 2 FT

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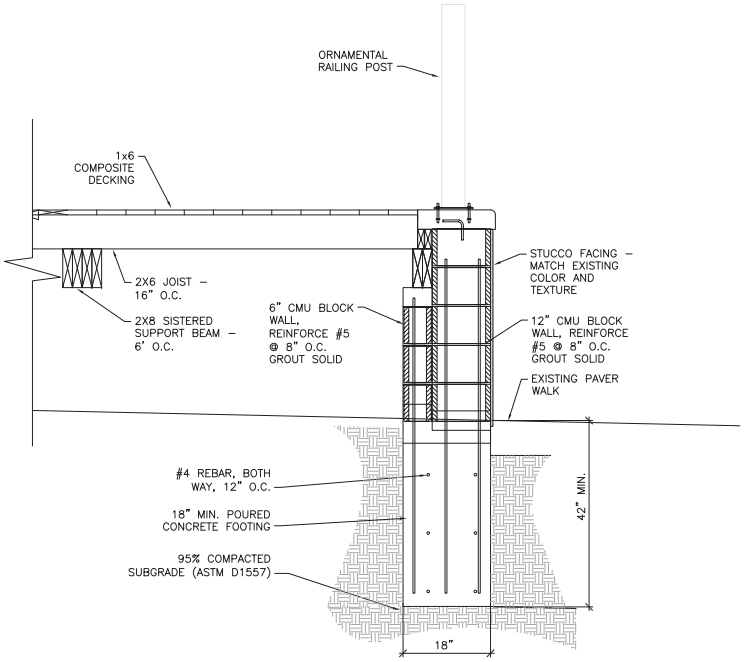
DRAWING TITLE

DECK DETAILS

DRAWING NUMBER

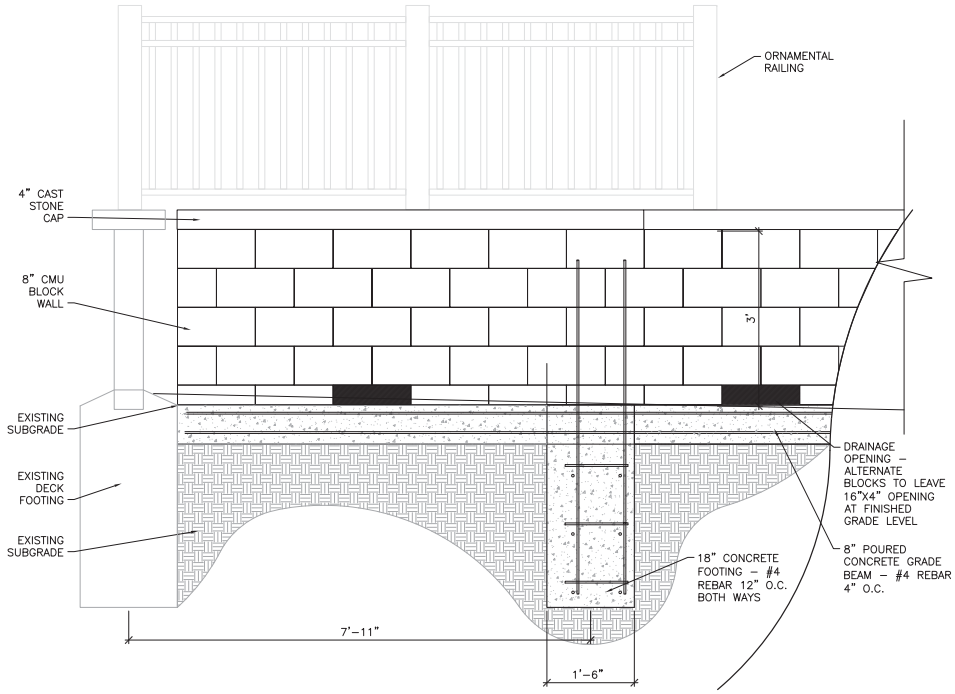
LD2

1 2 3 4 5 6 7 8 9 10



1 LD3 NEW OUTER DECK WALL DETAIL AT PAVED WALK

0 1 2 FT



2 LD3 DECK WALL SECTION/ELEVATION

0 1 2 FT

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www.millerdunwiddie.com
p 612-337-0800 f 612-337-0031

HK Landscape Architects + Planners

Hoisington Koegler Group Inc.
123 North Third Street, Suite 100
Minneapolis, Minnesota 55401
612.338.0800 fax. 612.338.6838

I hereby certify that this plan, specification or report was prepared by me or under my direct personal supervision and that I am a duly Licensed Professional Landscape Architect under the laws of the State of Minnesota.

Paul Paige
Date
License No. 23594

PROJECT

MINNEHAHA REFECTORY RENOVATIONS

DRAFT 05.28.2014

MINNEAPOLIS, MN

REVISIONS

Mark	Date	Description

NOT FOR CONSTRUCTION

COMM. NO.: MPR 1401
DATE: 05/28/14
DRAWN:
CHECKED:

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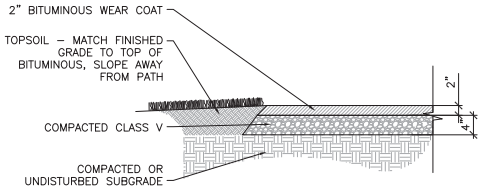
DRAWING TITLE

DECK DETAILS

DRAWING NUMBER

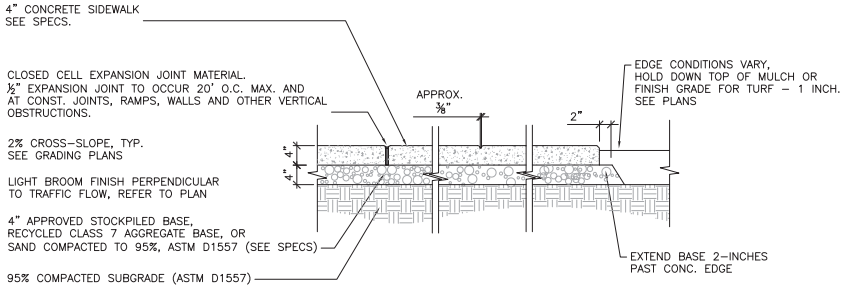
LD3

1 2 3 4 5 6 7 8 9 10



1 / LD4 — 2" BITUMINOUS PEDESTRIAN TRAIL SURFACE DETAIL

0 1 2 FT



2 / LD4 — 4 INCH CONCRETE WALK - TYPICAL

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ARCHITECTURE

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DRAWING TITLE

SURFACE DETAILS

DRAWING NUMBER

LD4

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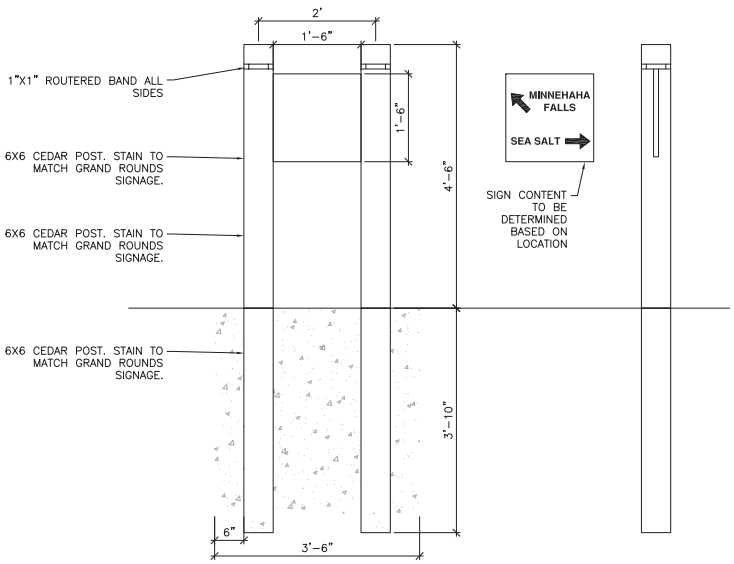
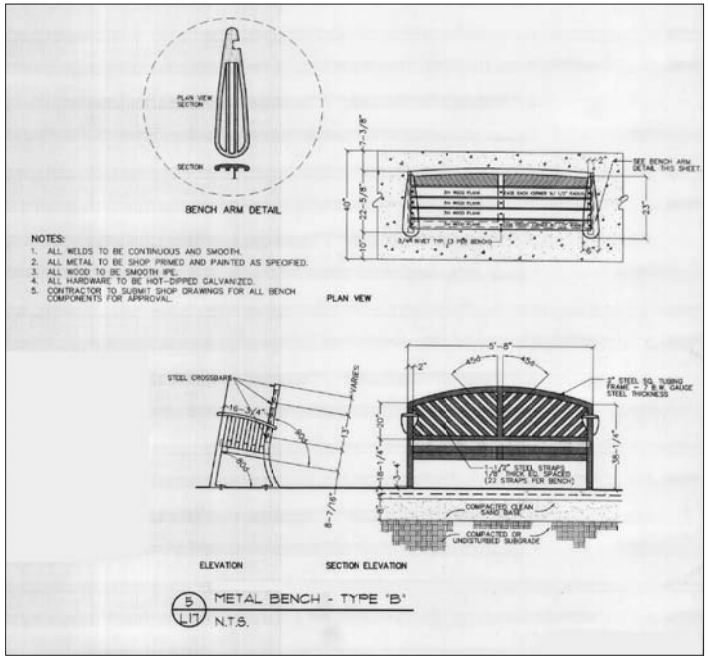
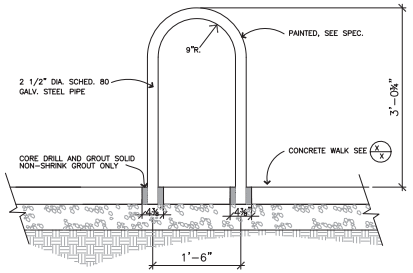


1 LD5 WAYFINDING SIGN

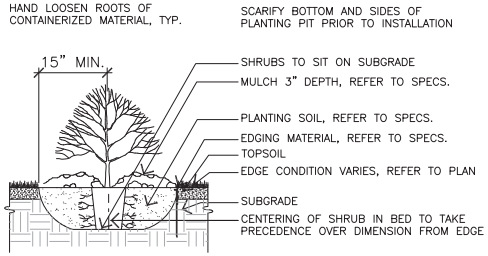
0 1 2 FT





X XX BIKE LOOP

0 1 2 FT



X XX SHRUB PLANTING DETAIL

0 1 2 FT

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Paul Paige
Date
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PROJECT

MINNEHAHA REFECTORY RENOVATIONS

DRAFT 05.28.2014

MINNEAPOLIS, MN

REVISIONS

Mark	Date	Description

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DRAWING TITLE

FURNISHINGS DETAILS

DRAWING NUMBER

LD5

1 2 3 4 5 6 7 8 9 10

Minnehaha Refectory and Site Renovations
Application for Certificate of Appropriateness
Existing Door - new doors to match color & configuration

260, 360, 560 Insulclad® Thermal Entrances

Engineered Entrances with Climate Control Efficiency

PCL Centennial Learning Centre, Edmonton, Alberta, Canada
Architect: Cohos Evamy integratedesign™, Edmonton, Alberta, Canada
Glazing Contractor: Beacon Glass Products Ltd., St. Albert, Alberta, Canada

Kawneer's Insulclad® Entrances provide thermal efficiency for the entire building façade and are available in 260 Narrow Stile for moderate-traffic applications, and 360 Medium Stile and 560 Wide Stile for heavy-traffic applications. All doors are thermally enhanced with interior cladding, which has the added advantage of enabling dual-color design.

Insulclad® Entrances are available as a single-source package of door, fully integrated door frame (with or without transoms) and integrated hardware. Center plane Trifab® VG 451T (Thermal) frames are standard, and Insulclad® Entrances are also compatible with 1600 Wall System®1, as well as other Kawneer framing systems. The total package and options allow easy adaptation to custom entrance requirements.

KAWNEER
AN ALCOA COMPANY

Aesthetics

The interior thermal cladding means that Insulclad® entrances are 2-1/4" deep – slightly deeper than standard entrances. A major benefit of the two-piece construction and interior cladding is the ability to create different interior and exterior colors. 260 Insulclad® provides a slimmer look, while 360 provides extra strength for heavy-traffic applications such as schools and institutions, and 560 provides a monumental visual statement for applications such as banks and government buildings. Insulclad® Entrance dimensions include:

	260	360	560
Stile Widths	2-1/8" (54)	3-1/2" (88.9)	5" (127)
Top Rail	2-1/4" (57.2)	3-1/2" (88.9)	5" (127)
Bottom Rail	3-7/8" (98.4)	6-1/2" (165.1)	6-1/2" (165.1)

All three entrances offer an optional 7-1/2" (190.5) and 10" (254) bottom rail. Additionally, optional horizontal cross rails are offered in 2-1/4" (57.2), 3-1/2" (88.9), 6" (152.4) and 8-1/4" (209.6) dimensions. Maximum size for single entrances is 3'6" x 8'0" (1067 x 2438) or 7'0" x 8'0" (2134 x 2438) for pairs of entrances.

Insulclad® Entrances are single acting and mounted on offset pivots, butt hinges or continuous hinges. The 260, 360 and 560 Entrances accept 1" (25.4) infills, and numerous Kawneer hardware options are available.

Performance

To resist both lever arm and torsion forces that constantly act on any door, all three Insulclad® entrances feature Dual Moment corner construction with four Sigma deep penetration and fillet welds, plus mechanical fastening at each corner. Each door corner comes with a Limited Lifetime Warranty, which is good for the life of the door under normal-use operation. This warranty is transferable from building owner to building owner and is in addition to the standard two-year warranty covering each Kawneer door.

Kawneer Sealair® bulb neoprene weather stripping forms a positive seal around the door frame and provides a substantial reduction in air infiltration, which results in improved comfort and economies in heating and cooling costs. The system is wear and temperature resistant and replaces conventional weathering. Bottom weather strip at the interior contains a flexible blade gasket to meet and contact the threshold, enhancing the air and water infiltration performance characteristics. Computer simulation testing has been conducted in accordance with NFRC 100/200/500 and standard 15 AAMA 507-03 glass options.

TSYS North Center, Columbus, GA
Architect: C.S.I. Architects, Columbus, GA
Glazing Contractor: Uneeda Glass Co., Columbus, GA

For the Finishing Touch

Permanodic® Anodized finishes are available in Class I and Class II in seven different color choices.

Painted finishes, including fluoropolymer, that meet AAMA 2605 are offered in many standard choices and an unlimited number of specially-designed colors.

Solvent-free powder coatings add the green element with high performance, durability and scratch resistance that meet the standards of AAMA 2604.

260

360

560

Note: Numbers in parentheses ( ) are millimeters unless otherwise noted.

Kawneer Company, Inc.
Technology Park / Atlanta
555 Guthridge Court
Norcross, GA 30092

kawneer.com
770 . 449 . 5555

KAWNEER
AN ALCOA COMPANY

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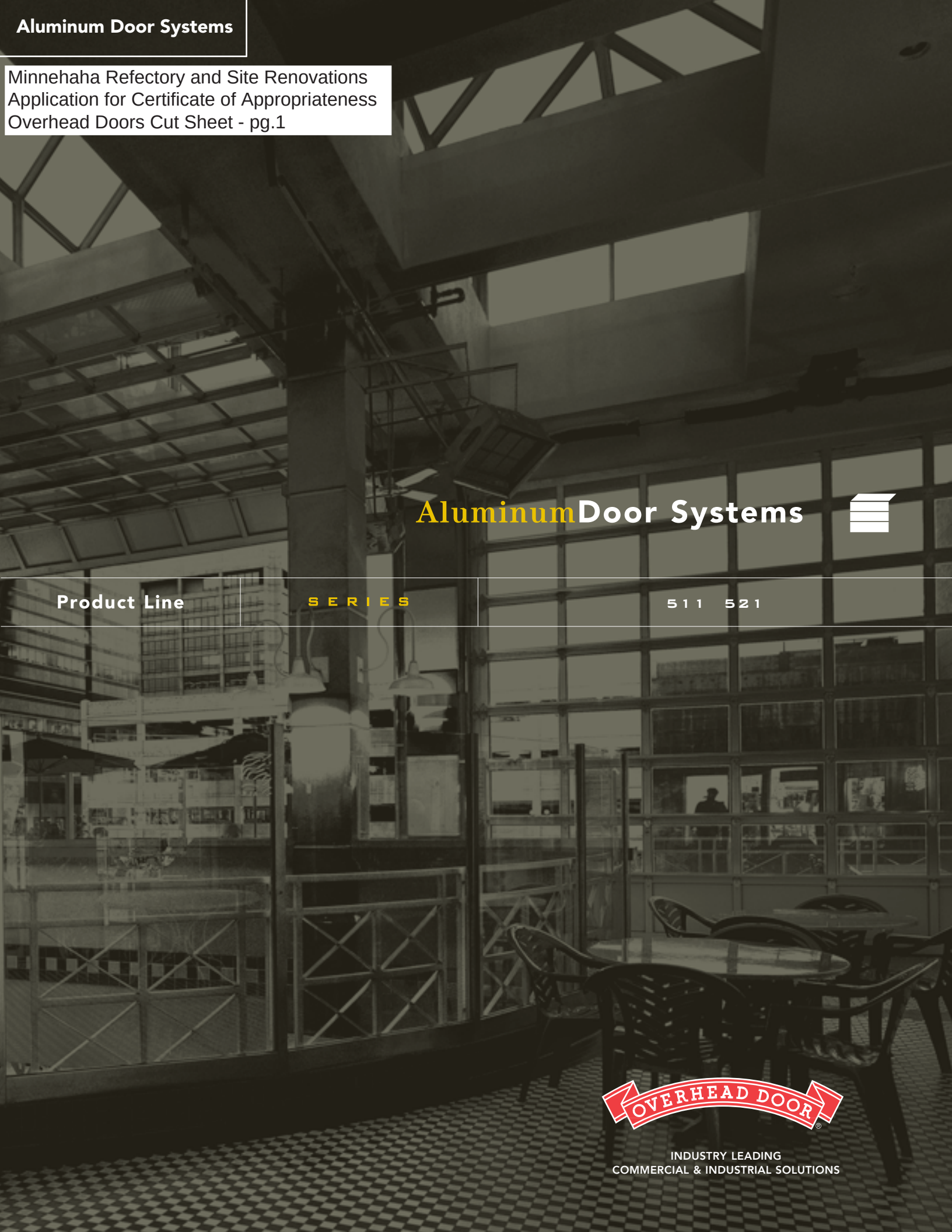
Application for Certificate of Appropriateness
Overhead Doors Cut Sheet - pg.1



AluminumDoor Systems

Product Line	SERIES	511 521

OVERHEAD DOOR®

INDUSTRY LEADING
COMMERCIAL & INDUSTRIAL SOLUTIONS

An Attractive Solution for Maximum Visual Access and Light Infiltration

Minnehaha Refectory and Site Renovations
Application for Certificate of Appropriateness
Overhead Doors Cut Sheet - pg.2

THE TURNKEY SOURCE FOR COMMERCIAL AND INDUSTRIAL SOLUTIONS AND SERVICE

Selection of Overhead Door products automatically includes the unequaled expertise and experience of Overhead Door Red Ribbon Distributors. Nationwide coverage by our over 400 Red Ribbon Distributors is unique in our industry–providing a single source for design and application consulting, installation, service and ongoing maintenance. Turnkey services to maximize the lasting value of your product choice. Your Overhead Door distributor is also your only source for a full line of commercial and industrial door and operator systems specifically designed for integrated applications. For over four generations, our Red Ribbon Distributors have been committed to providing commercial and industrial door solutions. Combined with Overhead Door product design and manufacturing superiority, our distributors are a proud part of the Overhead Door family, sharing our name, our Ribbon logo and our commitment to industry leading innovation and excellence.

GENERAL FEATURES AND BENEFITS

Durable Construction for Years of Reliable Operation

- 1 3/4" (45 mm) thick, corrosion-resistant 6063-T6 aluminum sections with galvanized fixtures and hinges promotes durability and trouble-free operation
- 1/4" (6 mm) diameter through-rods on all stiles and rails enhances strength and sturdiness
- Top-quality materials, excellent field service and optional maintenance program contribute to extended door life, low maintenance costs and maximum productivity

A Variety of Standard Features and Options

- Doors up to 26'11" (8204 mm) wide and 20'1" (6121 mm) high
- Glazing choices include DSB glass, plexiglass, tempered glass, clear Lexan®, multi-wall polycarbonate and wire glass
- Standard clear anodized finish for low-maintenance and corrosion-resistance
- Optional finishes include bronze anodization or a variety of standard powder coat paint colors
- Manual pull rope operation with optional chain hoist or electric motor operator

Aluminum

GENERAL SPECIFICATIONS

	SERIES	Panel thickness	Max. width	Max. height	Rails Standard material	Rails Standard finish	Center stile widths	End stile widths	Top rail widths	Intermediate rail pair widths	Bottom rail widths
Sectional	511	1 3/4" (45 mm)	16'2" (4928 mm)	16'1" (4902 mm)	6063–T6 aluminum	204R–1 clear anodized	21/32" (17 mm)	2 3/4" (70 mm)	2 3/8", 3 3/4" (60 mm, 95 mm)	1 3/8" (40 mm)	2 3/8",3 3/4",4 1/2" (60 mm/95 mm/114 mm)
Sectional	521	1 3/4" (45 mm)	26'11" (8204 mm)	20'1" (6121 mm)	6063–T6 aluminum	204R–1 clear anodized	2 11/16" (68 mm)	3 5/16" (85 mm)	2 3/8", 3 3/4" (60 mm, 95 mm)	3 11/16" (94 mm)	3 3/4",4 1/2" (95 mm/114 mm)

AVAILABLE OPTIONS

	SERIES	1/8" (3 mm) DSB	1/8" (3 mm) or 1/4" (6 mm) plexiglass	1/8" (3 mm) or 1/4" (6 mm) tempered	1/8" (3 mm) or 1/4" (6mm) clear Lexan®	1/4" (6 mm) wire glass	1/2"(12mm) insulated glass	Electric operator	Bottom sensing edge	Chain hoist	3" track	Bracket mounting	High-cycle springs	Posi-Tension drums	Pass door	Exhaust ports	Bronze anodization	Powder coat paint finish
Sectional	511	●	●	●	●	●	●	●	●	●	●	●	●	●		●	●	●
Sectional	521	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

Information is subject to change. Please call your local Overhead Door distributor for special applications or if your application is not listed.

Overhead Door Corporation's aluminum sectional doors offer an attractive solution for commercial and industrial applications where visual access, light infiltration and aesthetics are key design considerations. Offered with a variety of stile widths, glazing materials, track styles, and finish options — and in sizes up to 26'11" (8204 mm) wide and 20'1" (6121 mm) high — these doors feature 1 3/4"(45 mm) sections and 1/4" (6 mm) diameter through-rods for strength and stability. A clear-anodized 204R-1 standard finish affords corrosion resistance, and bronze anodization and a spectrum of powder coat paint finishes are additionally available. Ideal for service stations, fire stations, professional facilities and retail environments, our sectional aluminum doors are practical, durable and handsomely styled — and engineered for long life, low maintenance and enduring beauty.

Installation and Service provided by Overhead Door Company of Southwestern Idaho *Series 521 Clear Anodized*

Minnehaha Refectory and Site Renovations
Application for Certificate of Appropriateness
Overhead Doors Cut Sheet - pg.4

SERIES 511

Standard Features At a Glance

Panel thickness	1 3/4" (45 mm)
Maximum standard width	16'2" (6147 mm)
Maximum standard height	16'1" (4902 mm)
Material	6063-T6 aluminum
Standard finish	204R-1 clear anodized
Center stile width	21/32" (17 mm)
End stile width	2 3/4" (70 mm)
Top rail width	2 3/8" (60 mm) or 3 3/4" (95 mm)
Top intermediate rail width	3/4" (19 mm)
Bottom intermediate rail width	5/8" (16 mm)
Bottom rail width	2 3/8" (60 mm) or 3 3/4" (95 mm) or 4 1/2" (114 mm)
Weatherseals	Bottom, flexible PVC
Standard springs	10,000 cycle
Track	2" (51 mm)
Mounting	Angle
Operation	Manual pull rope
Hinges and fixtures	Galvanized steel
Lock	Galvanized, interior-mounted single unit

197 Standard Powder Coat Finishes

The Color Palette for Sectional Aluminum Door Products
197 powder coat finishes are available from your Overhead Door distributor.

Options

- Glazing options*: 1/8" (3 mm) DSB; 1/8" (3 mm) or 1/4" (6 mm) plexiglass; 1/8" (3 mm) or 1/4" (6 mm) tempered; 1/8" (3 mm) or 1/4" (6 mm) clear Lexan®; 3/8" (10 mm) and 1/4" (6 mm) multi-wall polycarbonate; 1/4" (6 mm) wire glass; 1/2" (12 mm) insulated glass
- Electric operator or chain hoist
- Bottom sensing edge
- 3" track
- Bracket mounting (not available on full vertical door tracks)
- Higher-cycle springs in 25k, 50k, 75k, 100k cycles
- Exhaust ports

Contact your local Overhead Door Corporation Red Ribbon Distributor for special glazing requirements. Verify 1/4" (6 mm) glass applications with factory

The 511 Series doors are designed in sizes up to 16'2" wide and 16'1" high (4928 mm and 4902 mm). Featuring a narrow center stile width of 21/32" (17 mm), these doors are sleek, attractive and permit maximum visibility. An array of glazing choices, top-and bottom-rail widths, finishes and special options customizes the 511 Series to satisfy nearly any project requirement.

Panel Schedule		Section Schedule	
Door Width	**Number of Panels**	**Door Height**	**Number of Sections**
to 8'11" (2718 mm)	2	to 8'6" (2591 mm)	4
9'0" to 11'11" (2743 mm to 3632 mm)	3	8'7" to 10'1" (2616 mm to 3073 mm)	5
12'0" to 14'11" (3658 mm to 4547 mm)	4	10'2" to 12'1" (3099 mm to 3683 mm)	6
15'0" to 16'2" (4572 mm to 4928 mm)	5	12'2" to 14'1" (3708 mm to 4293 mm)	7
		14'2" to 16'1" (4318 mm to 4902 mm)	8

Installation and Service provided by Overhead Door Company of Hartford

Series 511 Clear Anodized

Minnehaha Refectory and Site Renovations
Application for Certificate of Appropriateness
Overhead Doors Cut Sheet - pg.5

Track Detail

Minnehaha Refectory and Site Renovations
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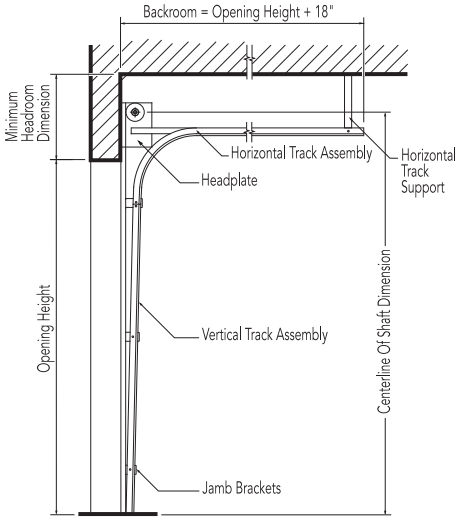
Overhead Doors Cut Sheet - pg.6

Any of the following track configurations can be selected for 511 and 521 Aluminum door models.

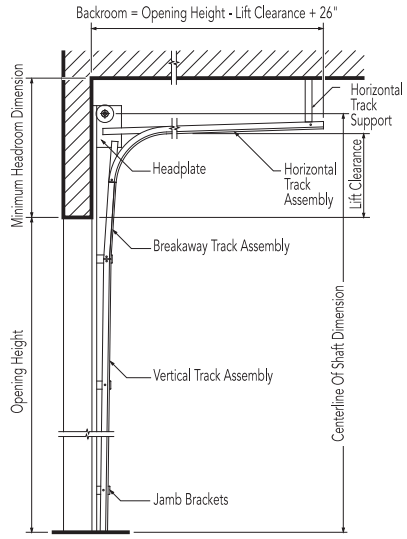
O.H.=Opening Height L.C.=Lift Clearance D.H.=Door Height

Standard Lift Track



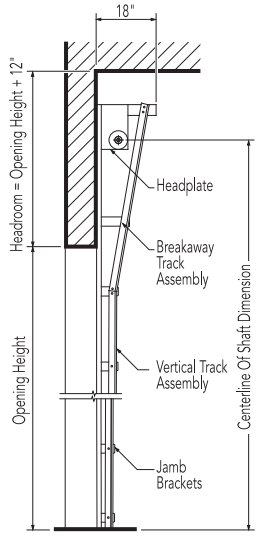
2" (51 mm) Track [15" (381 mm) Radius]		
Door Height	**Centerline of Shaft**	**Minimum Headroom**
Thru 12'0" (3658 mm)	O.H. + 11 5/8" (295 mm)	14 1/4" (362 mm)
Thru 16'0" (4877 mm)	O.H. + 12 5/8" (321 mm)	20 1/2" (521 mm)
3" (76 mm) Track [15" (381 mm) Radius]		
Thru 18'0" (5486 mm)	O.H. + 14 5/8" (372 mm)	18" (457 mm)
Thru 32'0" (9754 mm)	O.H. + 16 7/8" (429 mm)	21 1/2" (546 mm)

Lift Clearance Track
Standard



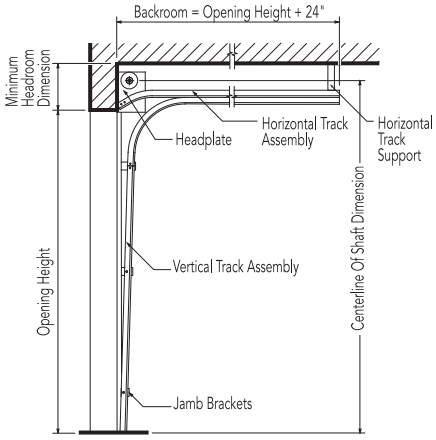
2" (51 mm) Track [15" (381 mm) Radius]		
Door Height	**Centerline of Shaft**	**Minimum Headroom**
Thru 12'0" (3658 mm)	O.H. + L.C. + 5 5/8" (143 mm)	L.C.+ 8 3/4" (222 mm)
Thru 16'0" (4877 mm)	O.H. + L.C. + 5 5/8" (143 mm)	L.C.+ 11 1/4" (286 mm)
3" (76 mm) Track [15" (381 mm) Radius]		
Thru 22'0" (6706 mm)	O.H. + L.C. + 6 5/8" (168 mm)	L.C.+ 11 1/2" (292 mm)
Thru 32'0" (9754 mm)	O.H. + L.C. + 6 5/8" (168 mm)	L.C.+ 12 1/4" (311 mm)

Full Vertical Track



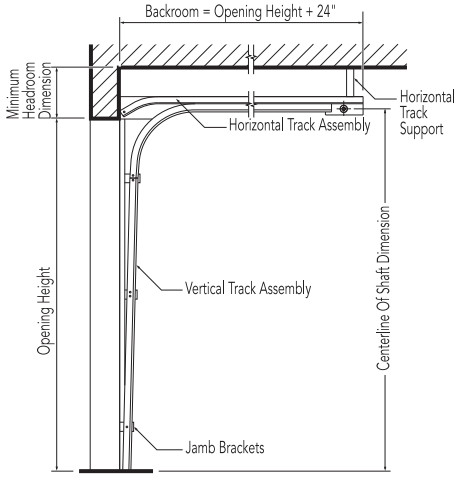
2" (51 mm) Track [15" (381 mm) Radius]		
Door Height	**Centerline of Shaft**	**Minimum Headroom**
Thru 11'0" (3353 mm)	O.H. + O.H. + 3/8" (10 mm)	O.H. + 10 1/4" (260 mm)
Thru 16'0" (4877 mm)	O.H. + O.H. + 3/8" (10 mm)	O.H. + 10 1/4" (260 mm)
3" (76 mm) Track [15" (381 mm) Radius]		
Thru 18'0" (5486 mm)	O.H. + O.H. + 3/8" (10 mm)	O.H. + 10 1/4" (260 mm)

Low Headroom Track
Springs to Front



2" (51 mm) Track [15" (381 mm) Radius]		
Door Height	**Centerline of Shaft**	**Minimum Headroom**
Thru 12'0" (3658 mm)	D.H. + 8" (203 mm)	11 3/4" (299 mm)
Thru 16'0" (4877 mm)	D.H. + 8" (203 mm)	12 1/2" (318 mm)
3" (76 mm) Track [15" (381 mm) Radius]		
Thru 12'0" (3658 mm)	D.H. + 9" (229 mm)	13" (330 mm)
Thru 32'0" (5486 mm)	D.H. + 9" (229 mm)	13 3/4" (349 mm)

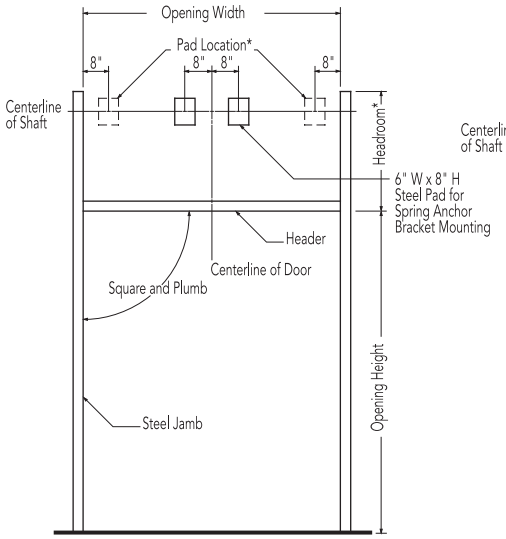
Low Headroom Track
Springs to Rear



2" (51 mm) Track [15" (381 mm) Radius]		
Door Height	**Centerline of Shaft**	**Minimum Headroom**
Thru 12'0" (3658 mm)	O.H. + 2" (51 mm)	7 1/2" (191 mm)
Thru 16'0" (4866 mm)	O.H. 2" (51 mm)	8" (203 mm)
3" (76 mm) Track [15" (381 mm) Radius]		
Thru 18'0" (5486 mm)	O.H. 6 3/4" (171 mm)	9 3/4" (248 mm)

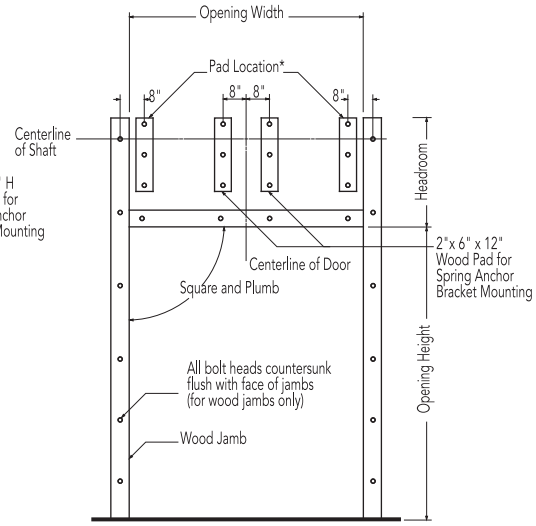
Framing and pad details for common installation of Aluminum doors in steel, wood, concrete and masonry jambs are provided here. If you require additional information or have special project requirements, refer to the Overhead Door Architectural Design Manual, (www.OverheadDoor.com/ADM/base.html) or consult with the Overhead Door Applications Engineering Group or your local Overhead Door distributor.

Steel Jambs



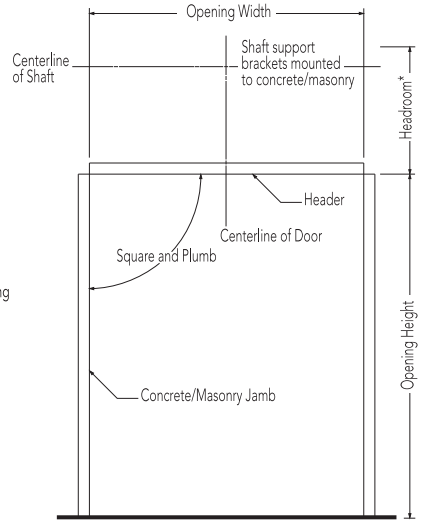
* Pad Location for additional shaft support brackets for doors over 18'3" wide

Wood Jambs

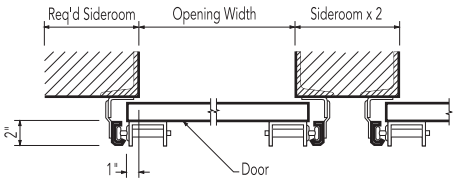


* Pad Location for additional shaft support brackets for doors over 18'3" wide

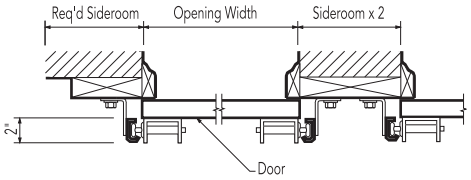
Concrete/Masonry Jambs



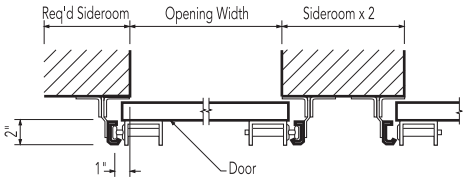
2" (51 mm) Track



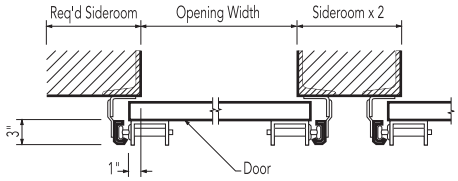
2" (51 mm) Track



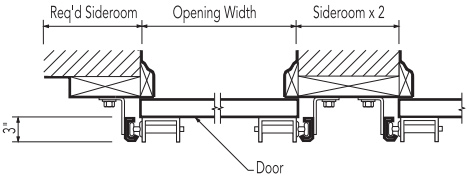
2" (51 mm) Track



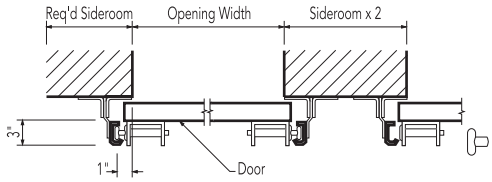
3" (76 mm)* Track



3" (76 mm)* Track



3" (76 mm)* Track



Minimum Required Sideroom

Track Type	2" Track (51 mm)	3" Track (76 mm)*
Standard Lift	4 1/2" (114 mm)	6 1/2" (165 mm)
Low Headroom	9" (229 mm)	10" (254 mm)
Lift Clearance	4 1/2" (114 mm)	6 1/2" (165 mm)
Full Vertical	4 1/2" (114 mm)	6 1/2" (165 mm)

Minimum Required Sideroom

Track Type	2" Track (51 mm)	3" Track (76 mm)*
Standard Lift	3 1/2" (89 mm)	5 1/2" (140 mm)
Low Headroom	8" (203 mm)	9" (229 mm)
Lift Clearance	3 1/2" (89 mm)	5 1/2" (140 mm)
Full Vertical	3 1/2" (89 mm)	5 1/2" (140 mm)

Minimum Required Sideroom

Track Type	2" Track (51 mm)	3" Track (76 mm)*
Standard Lift	4 1/2" (114 mm)	6 1/2" (165 mm)
Low Headroom	9" (229 mm)	10" (254 mm)
Lift Clearance	4 1/2" (114 mm)	5 1/2" (140 mm)
Full Vertical	4 1/2" (114 mm)	5 1/2" (140 mm)

** 3" (76 mm) track not available with 598 Series.*

Operator Control Options

- Push-button, key or combination stations; surface- or flush-mounted for interior and/or exterior locations
- Vehicle detectors, key card reader, photocell and door timer controls
- Treadle or pull switch stations
- Telephone entry and coded keyboard stations
- Universal programmable door timer
- Radio control systems (24 VAC or 120 VAC)
- Explosion and dust ignition-proof systems

Electric Operator Selection Guide

	Horsepower/ Newtons	Max. height of door	Max. weight of door	Super Belt™/Polybelt	Worm gear	Adjustable clutch	Totally enclosed	Continous duty	Explosion proof	Mounting type
RHX®	1/2 HP, 3/4 HP 1 HP, 3 HP	24' (7315 mm)	3696 lbs (1676 kg)		•	•		•	•	T, S, C
RSX®	1/2 HP, 3/4 HP 1 HP	24' (7315 mm)	1620 (735 kg)	•		•	•	•		T, S, C
RMX®	1/2 HP	14' (4267 mm)	620 (281 kg)	•						T, S
RDX®	650 N, 1300 N	33' (10,057 mm)	900 (509 kg)	•						S

Mounting Options: T=Trolley S=Side mount C= Center mount

Safety Recommendations

Overhead Door Corporation strongly recommends the use of a primary safety device as defined by UL325 2010. A primary safety device can be approved monitored photo-eyes or an approved monitored sensing edge. If a primary safety device is not installed, a constant contact control switch must be used to close the door. Contact Overhead Door for more information.

Model RDX®

The RDX® is designed for limited space applications and is available in both medium and standard duty motor options designed to operate doors up to 40' (12,192 mm) in height and 900 pounds (409 kg). It offers unique features like a lightweight DC motor, automatic limit setting and sensitive obstruction detection.

Overhead Door Corporation offers the broadest line of electric operators to suit new construction and retrofit applications, as well as unusual or special requirements.

Manufactured by Overhead Door Corporation to meet the exacting performance requirements of Overhead Door's upward-acting doors, our ribbon branded operators afford precise control of door action for years of trouble-free operation.

In order to improve safety and enhance door and motor life, industry quality assurance guidelines recommend the choice of a single manufacturer for both door and operator applications. Overhead Door Corporation is one of the only national manufacturers to offer a full line of commercial and industrial doors and operators specifically designed for integral applications.

Operator Models

Model RMX®

Model RMX® is our newest, most advanced medium-duty operator. It is designed for quicker installation and hassle-free operation and operates doors up to 14' (4267 mm) in height and 620 pounds (282 kg). It is available as a trolley-type or side-mounted unit.

Model RSX®

Model RSX® is a standard duty commercial operator designed to operate doors up to 24' (7315 mm) in height and 1620 pounds (735 kg). It offers unique features like LimitLock®, SuperBelt™ & 16 digit menu setup.

Model RHX®

Model RHX® is a heavy duty commercial operator designed to operate doors up to 24' (7315 mm) in height and 3696 pounds (1676 kg).
Available as either a trolley, sidemount or centermount.

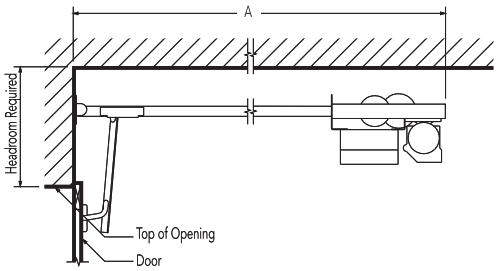
Mounting Details

Trolley-type (Drawbar) operators feature a power unit mounted between, above and to the rear of the horizontal tracks. The drawbar drive provides positive control of the door at all times, making this operator the preferred choice whenever possible. Maximum door width is 20' per drawbar. Door width over 20' requires dual drawbar installation. Available on Models RMX®, RSX® and RHX®.

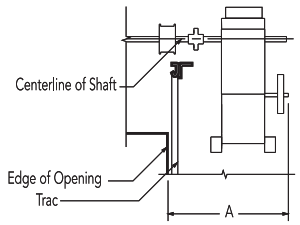
Side-mounted (Jackshaft) RMX®, RSX®, and RHX® operators feature a power unit mounted on the inside front wall and connected to the crosshead shaft, with an adjustable coupling or drive chain and sprockets. Side-mounted (jackshaft) RDX® operators feature a power unit mounted directly to the cross header shaft, and secured to the door track.

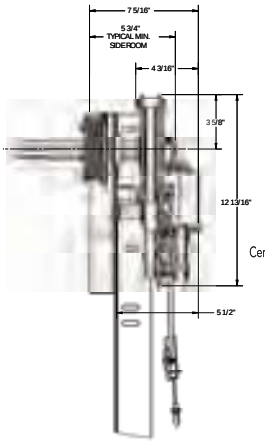
Center-mounted (Jackshaft) operators feature a power unit on the front wall above the door opening. No additional backroom is required. Available on models RSX® and RHX®

Trolley-type (Drawbar) RMX®, RSX®,RHX®

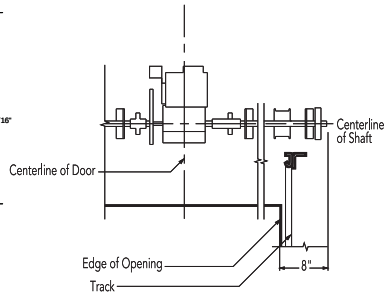


Side Mount Type (Jackshaft) RMX®, RSX®, RDX®, RHX®





Center Mount Type/Jackshaft RSX®, RHX®



Minimum Headroom Requirements	
RMX®	Track Requirements +4 1/2" (114 mm)
RSX®	Track Requirements +5" (127 mm)
RHX®	Track Requirements +5" (127 mm)

Depth Requirements - "A" Dimension (Backroom)	
RMX®	Door Height +4' 0" (1219 mm)
RSX®	Door Height +4' 0" (1219 mm)
RHX®	Door Height +4' 10" (1219 mm)

"A" Dimension - Minimum (Sideroom)		
	2" Track (51 mm)	3" Track (76 mm)*
RMX®	18 1/2" (470 mm)	19 1/2" (495 mm)
RSX®	21" (533 mm)	22" (559 mm)
RHX®	21" (533 mm)	22" (559 mm)
RDX®	5 3/4" (146 mm)	5 3/4" (146 mm)

Minimum Headroom Requirements	
RSX®	Track Requirements +14" (356 mm)
RHX®	Track Requirements +23 5/8" (600 mm)

The Original, Innovative Choice for Unequalled Quality and Service

Overhead Door Corporation pioneered the upward-acting door industry, inventing the first upward-acting door in 1921 and the first electric door operator in 1926. Today, we continue to be the industry leader through the strength of our product innovation, superior craftsmanship and outstanding customer support, underscoring a legacy of quality, expertise and integrity. That's why design and construction professionals specify Overhead Door Corporation products more often than any other brand.

The Overhead Door Red Ribbon is a mark of quality that also reflects the pride we take in the people who support our products. Our family of over 400 Ribbon Distributors across the country not only share our name and logo, but also our commitment to excellence. Your Ribbon Distributor will work with you in a consultative role to ensure that product selections achieve your design and application requirements — in addition to offering expert installation, professional field service and ongoing maintenance. From project design and manufacturing to installation and service, the Overhead Door Red Ribbon is your guarantee of genuine quality and turnkey service excellence.

Together with our Red Ribbon Distributors, we offer comprehensive technical information and resource materials to support your project, including:

- Architectural Design Manual – a comprehensive guide to selecting, specifying and detailing all commercial and industrial Overhead Door products can be found at www.OverheadDoor.com/ADM/base.html
- Operation & Maintenance Manual – detailed product information, customized for your project, to ensure reliable, long-life door system operation
- Custom application and technical assistance through ordering plants' customer service and technical services respectively
- Visit our Architect's Corner at www.OverheadDoor.com

Advanced Rolling Steel Door RapidSlat®

Thermacore® Sectional Doors

Rolling & Side Folding Security Grilles & Closures

Rolling Service Doors

Commercial Operators

Today, Overhead Door Corporation – along with our Horton Automatics division, for automated pedestrian entrances – is recognized as the leading, single-source manufacturer of integrated door and operator systems for commercial, industrial and residential applications. With multiple manufacturing locations throughout the United States, a state-of-the-art TREQ (Testing, Reliability, Engineering, and Quality) Center for design and engineering, and a national network of authorized Red Ribbon Distributors, our capabilities are leading-edge and our field service and technical support second to none. Built best and backed best, Overhead Door is the industry's leading choice for quality that shows and lasts.

To talk with the Overhead Door distributor nearest you, call 1-800-929-DOOR.

Overhead Door Corporation
2501 S. State Hwy. 121 Bus., Suite 200
Lewisville, Texas 75067
1-800-929-DOOR
www.OverheadDoor.com

OVERHEAD DOOR®

INDUSTRY LEADING
COMMERCIAL & INDUSTRIAL SOLUTIONS

The Overhead Door Corporation family of quality commercial and industrial products includes:

The Genuine. The Original. OVERHEAD DOOR®

Horton AUTOMATICS

ミヤッター

A part of Sanwa Holdings Corporation

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Windows Cut Sheet - pg.1

Welcome a New Era in Windows

KAWNEER
AN ALCOA COMPANY

TRACO
A DIVISION OF KAWNEER

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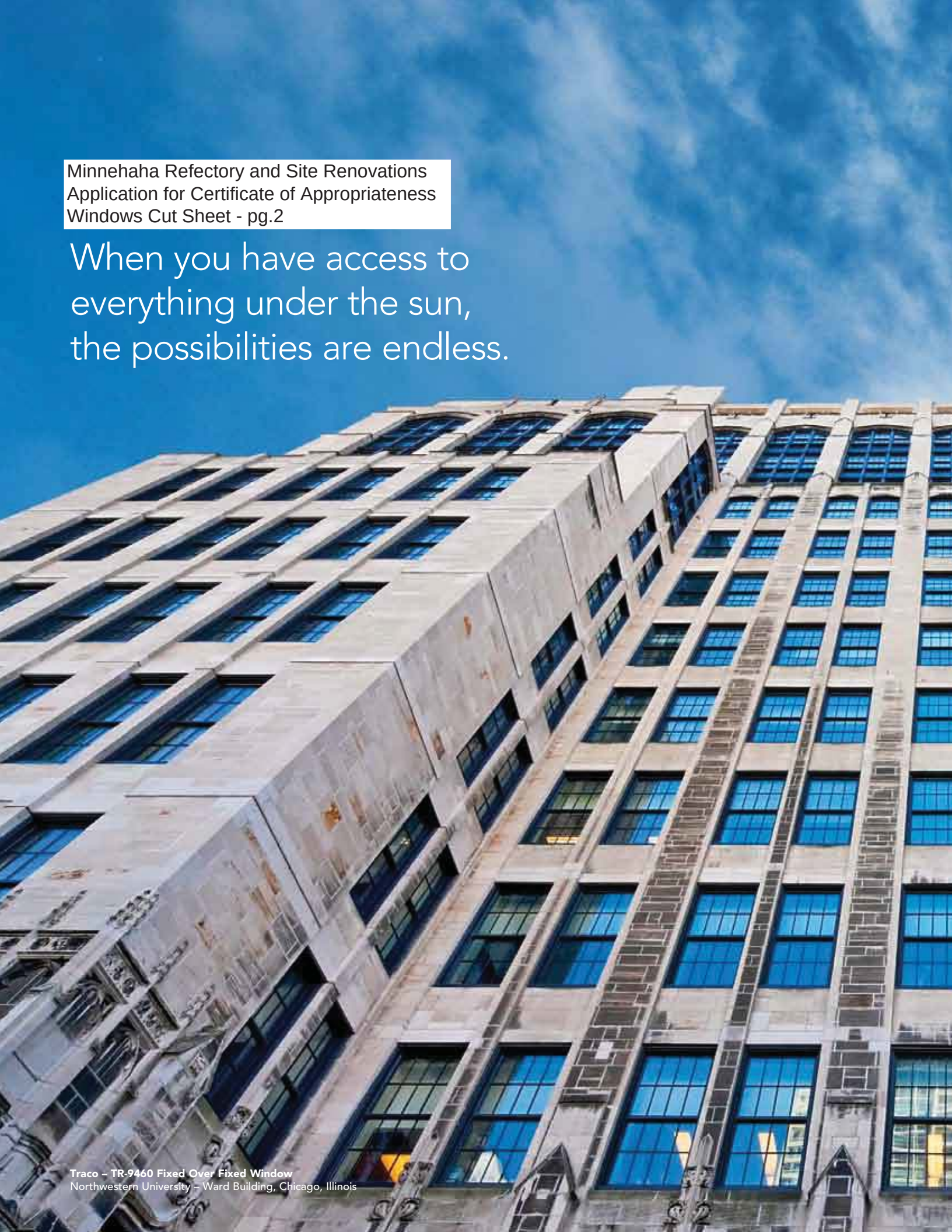
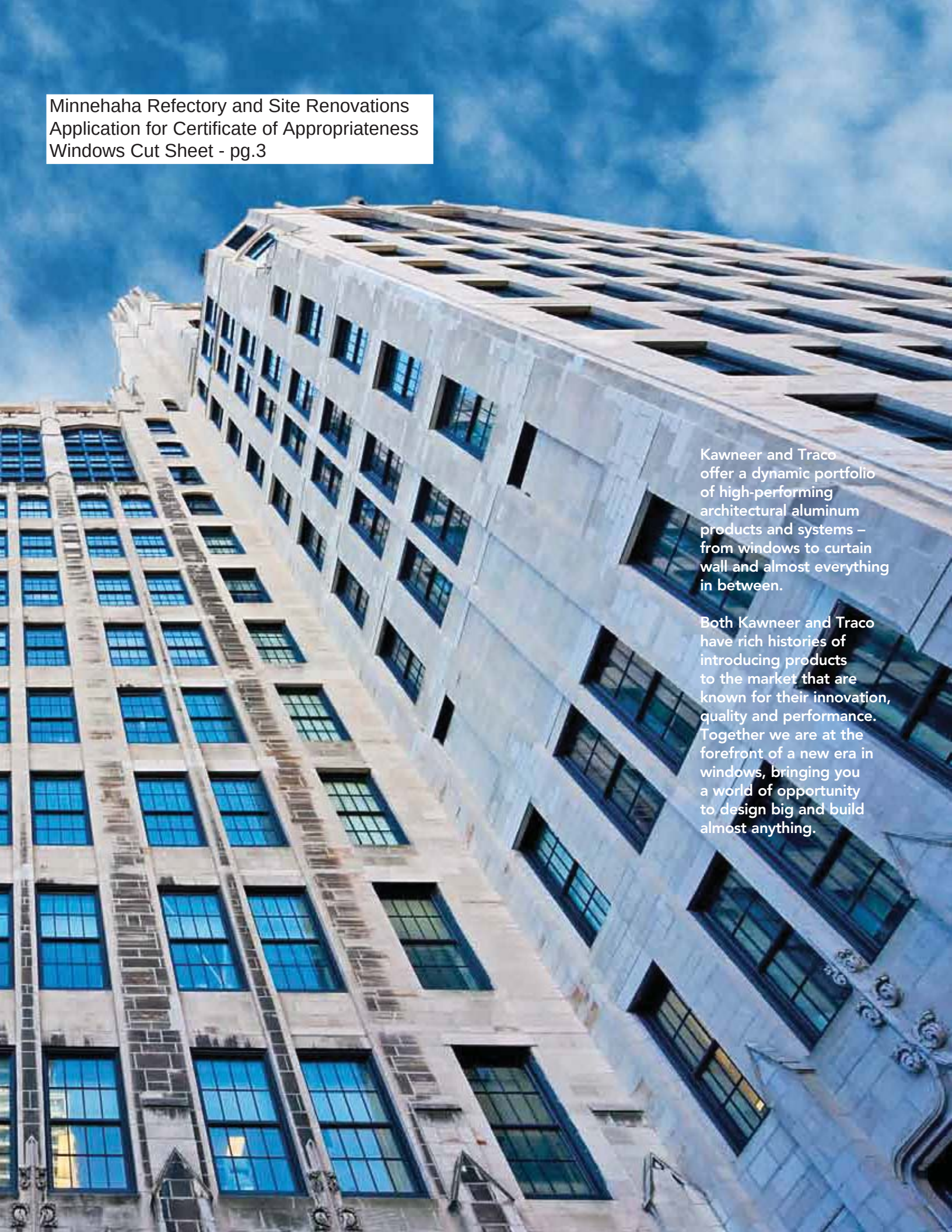
When you have access to everything under the sun, the possibilities are endless.



Traco – TR-9460 Fixed Over Fixed Window
Northwestern University – Ward Building, Chicago, Illinois



Kawneer and Traco offer a dynamic portfolio of high-performing architectural aluminum products and systems – from windows to curtain wall and almost everything in between.

Both Kawneer and Traco have rich histories of introducing products to the market that are known for their innovation, quality and performance. Together we are at the forefront of a new era in windows, bringing you a world of opportunity to design big and build almost anything.

Drake

Innovation. Quality. Performance. Over the years, Kawneer and Traco have built a reputation for producing windows that meet the highest quality standards.

Today, we continue that tradition with a combined portfolio of easy-to-maintain products that demonstrate the superior durability and performance that can only come from nearly two centuries of expertise.

Our aluminum windows are manufactured with long-lasting finishes and durable hardware. Our thermal frame windows help architects and building owners achieve their design objectives, while offering superior energy efficiency and durability, never rotting, warping or buckling due to moisture and weather exposure.

Windows from Kawneer and Traco deliver the ultimate air, water and thermal performance:

- Minimal deflection at high wind loads
- Water performance that exceeds architectural standards
- Thermal barrier system helps increase energy efficiency

Engineered to meet the highest safety standards and ensure the utmost quality and performance, our products undergo independent testing and certification by the biggest industry associations, including the American Architectural Manufacturers Association (AAMA), National Fenestration Rating Council (NFRC), Insulating Glass Certification Council (IGCC) and Safety Glazing Certification Council (SGCC). Together, we can build the future safer and brighter.

Traco – TR-9000 Double Hung Window
The Drake Hotel, Chicago, Illinois

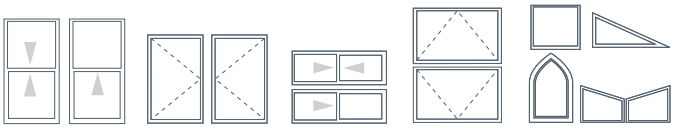
Traco – TR-700 Window Wall
Museum Park Place Tower, Chicago, Illinois

Kawneer – 7225 Project-Out Window
Lawrence Berkeley National Laboratory – Molecular Foundry, Berkeley, California
LEED® Gold certified

We specialize in meeting the challenges of the institutional and vertical markets with inspired design and the strength of our combined product portfolio. From thermal efficiency and sustainability to hurricane and blast resistance, our windows optimize both aesthetics and performance for several key market segments including:

- Institutional
  - Education
  - Healthcare
  - Government and military
- Historic preservation
- Office
- Multifamily

Dream big. As the leading manufacturer of architectural aluminum building products and systems for commercial applications, Kawneer and Traco offer a full range of window solutions ideal for both renovation and new construction.



World-class engineering and design expertise, combined with the flexibility and sustainability of our comprehensive product portfolio, have enabled Kawneer and Traco to develop windows that stay ahead of ever-changing demands. We offer an array of color and finish options for interiors and exteriors, as well as an infinite number of sizes, shapes and configurations. Among our specialties are hung, sliding, projected, casement and fixed windows.

Increased security continues to grow in importance and we offer a range of protective glazing products, including hurricane resistant and blast resistant products, designed to withstand severe weather or provide increased blast security. Whether used in retrofit applications or new construction, these windows provide security for all structures and help meet or exceed strict building codes. And, our thermal impact-resistant products not only deliver added energy and acoustical benefits, but also provide protection from the elements.

Now, with a single source of products and capabilities from both Kawneer and Traco, our capabilities extend as far as your imagination. We offer a full range of services to turn your vision into reality:

- Design and engineering backed by the latest computer modeling systems.
- Computerized manufacturing and in-house extruding on modern presses.
- High-precision glass cutting to exacting tolerances.
- In-house glass tempering and laminating.
- Automated dual-seal insulating glass on state-of-the-art machinery.
- Electrostatic painting in a full range of colors, including custom colors to match existing historic buildings.

Left to right, top to bottom:
Kawneer – 512 Ventrow IsoLock® Ventilator
Traco – NX-4000 Project Out Window
Traco – TR-9400 Double Hung Window
Traco – TR-9460 Fixed Over Fixed Window
Traco – TR-9800 Double Hung Window
Kawneer – 8225TL Project Out Window
Kawneer – 8400TL Single Hung Window

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Sustainability is no longer a luxury, but a requirement. We're committed to protecting the environment and preserving our natural resources while offering choices that can help meet everyday challenges.

As the industry's leading source for architectural aluminum products and systems, Kawneer and Traco are dedicated to providing high-performance, sustainable solutions and continuing to challenge the status quo – all while practicing social and environmental responsibility.

From our dedication to developing products and systems that comply with Leadership in Energy and Environmental Design (LEED®) standards and promote integrated, whole-building design practices, we continue to lead the industry in sustainability. In fact, sustainability is at the heart of our product line, which is comprised of one of the earth's most plentiful recyclables – aluminum. And, unlike other materials in the recycling stream, aluminum can be recycled again and again.

Every day you make a choice. Make a choice that counts.

PROTECTING OUR RESOURCES

We take pride in using resources efficiently. By employing processes that reduce energy, we minimize waste and emissions and avoid excess inventory. To constantly improve in these efforts, our in-house environmental staff works closely with manufacturing operations to establish standards, training and measurement.

Our goal is to reclaim and recycle as many of the byproducts of our operations as possible. Consequently, we recycle the waste we generate including aluminum, glass, wood products, steel parts, oils and solvents. Scrubbers and oxidizers burn volatile organic compounds (VOCs) from our manufacturing process, and we voluntarily treat our wastewater before releasing it.

All of our corporate collateral materials are printed on 100 percent recycled paper and/or Forest Stewardship Council (FSC) certified paper, which contributes to the conservation and responsible management of the world's forests. FSC certification demonstrates support in promoting environmentally appropriate, socially beneficial and economically viable forest management.

ENERGY-EFFICIENT PRODUCTS

Kawneer and Traco have a history of innovation that helps improve the efficiency of a building. Both Kawneer and Traco produce some of the industry's most energy-efficient window products, which can substantially reduce a building's operating costs and increase interior comfort. Our complete line of high-performance thermal products and systems respond to today's specific needs and applications – whether new, remodel, retrofit or historic renovation.

Kawneer – GLASSvent® for Curtain Wall
Medical Center of the Rockies, Loveland, Colorado
LEED® Gold certified

As industry leaders and innovators, Kawneer and Traco strive to think ahead of market challenges and create innovative solutions. It's a big world, and we want to help you build it.

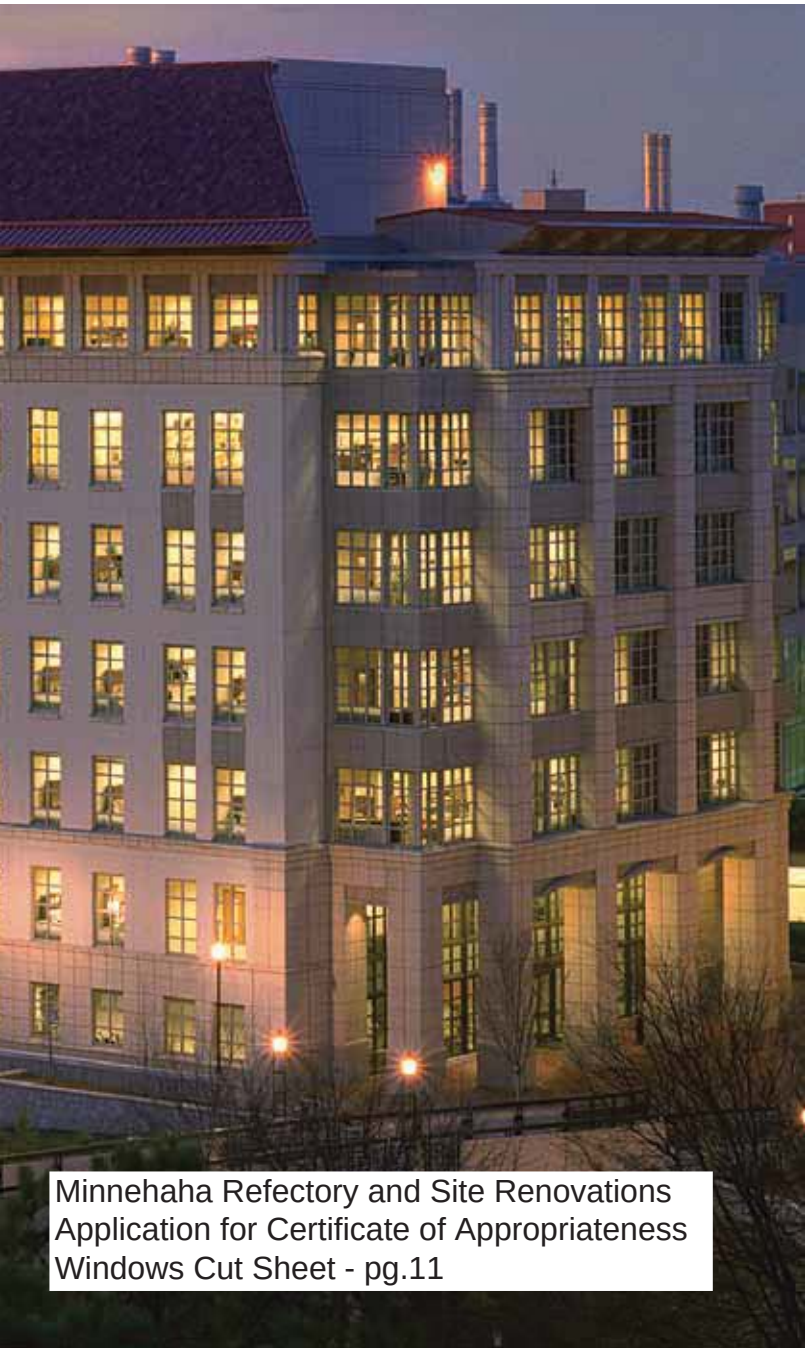
By uniting two leading brands with rich histories and comprehensive, high-performing product portfolios, we continue to extend our reach and advance our capabilities. Together, we are ushering in a new era in windows, bringing you a new world of opportunity to design big and build almost anything. When you have access to everything under the sun, the possibilities are endless.

Kawneer – 8225TL Project Out Window
West Campus Residence, Northwestern University, Boston, Massachusetts

Traco – TR-3100 Casement Outswing Window
Montaire Building, San Francisco, California

Traco – TR-9100 Single Hung Window
Howard University, Washington, DC

Traco – TR-7100 Fixed Window
Whitehead Biomedical Research Building, Emory University, Atlanta, Georgia
LEED® Silver certified



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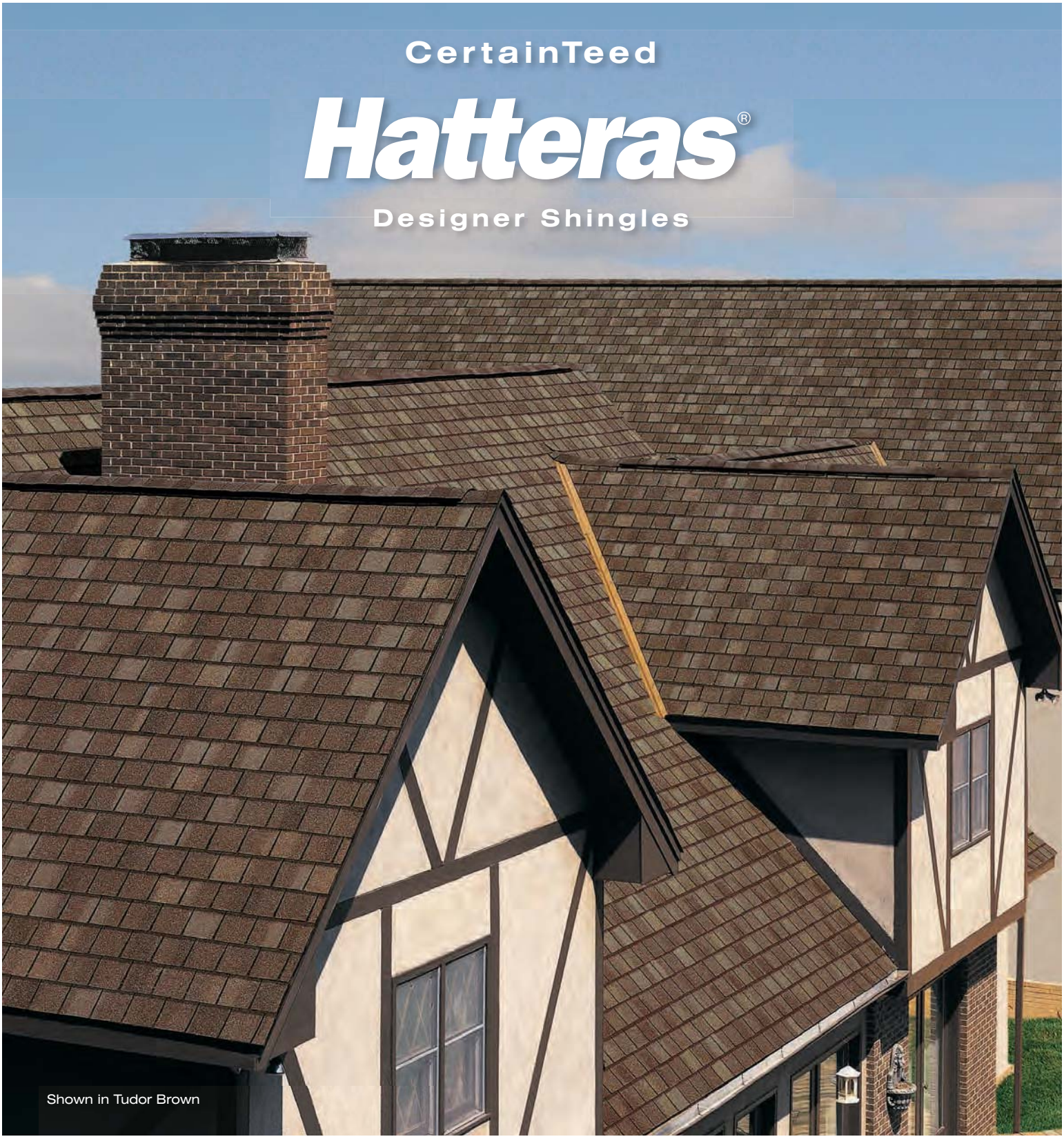

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Shingles Cut Sheet - pg.1

CertainTeed
SAINT-GOBAIN

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Shingles Cut Sheet - pg.2

Great Looks meet Rugged Performance.

Under crystal blue skies or silhouetted against the gathering storm, Hatteras designer shingles make a bold statement in any weather:

Bring it on.

This is one tough roof that manages to keep looking its best, no matter what the elements throw at it.

And it's one smart investment for those who appreciate how its form follows function.

Hatteras®

hurricane strength & a whirlwind design

The sweeping lines and rich color palette of Hatteras designer shingles hide a deep inner strength that stands up to 110 mph winds and comes out looking great.

oversized protection

Hatteras' premium oversized construction (18" x 36") is one of the largest shingles you can buy and its extra-heavy mat and dual self-sealing strips made with an aggressive sealant formulation combine to make Hatteras as big on performance as it is on looks.

a natural palette

When you install Hatteras, you install the color palette of nature's coasts, from Cottage Red and Hunter Green to Weathered Wood.

specifications

- Oversized extra-heavy fiber glass mat with dual stripes of CertaSeal Plus advanced modified sealant
- Deep shadow lines create look of natural slate
- 235 lbs. per square

CertainTeed products are tested to ensure the highest quality and comply with the following industry standards:

Fire Resistance:
- UL Class A
- UL certified to meet ASTM D3018 Type 1

Wind Resistance:
- UL certified to meet ASTM D3018 Type 1
- ASTM D3161, Class F, 110 mph wind resistance

Tear Resistance:
- UL certified to meet ASTM D3462
- CSA standard A123.5

Wind Driven Rain Resistance:
- Miami-Dade Product Control Acceptance

Quality Standards:
- ICC-ES-ESR-1389

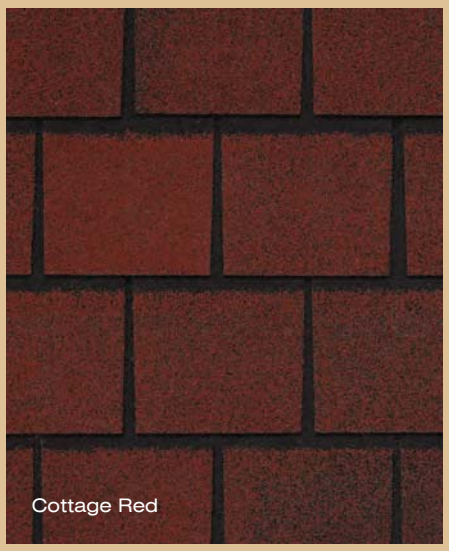
warranty

- Lifetime limited transferable warranty against manufacturing defects
- 10-year StreakFighter™ warranty
- 10-year SureStart™ protection
- 15-year 110 mph wind-resistance
- Wind warranty upgrade to 130 mph available. CertainTeed starter and CertainTeed hip and ridge required warranty

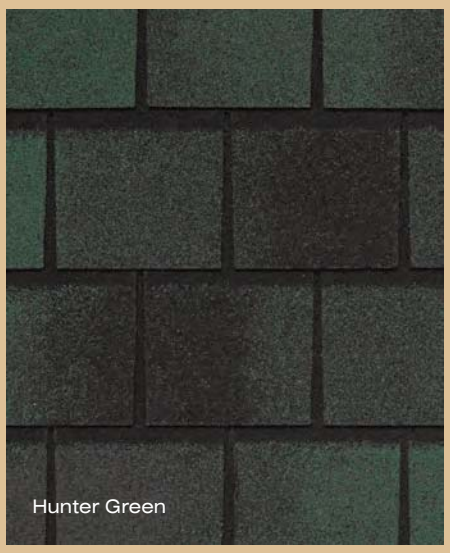
See actual warranty for specific details and limitations.

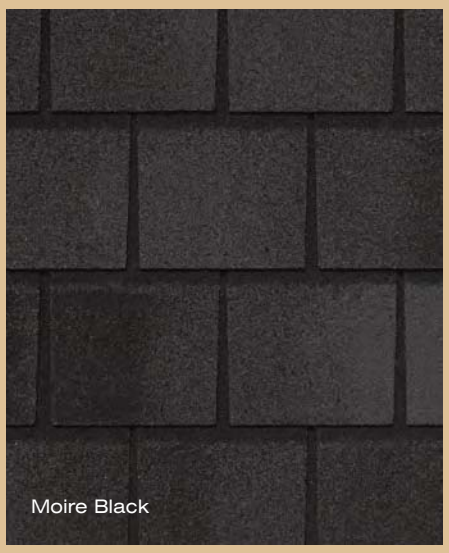
Hatteras® color palette

Colonial Slate

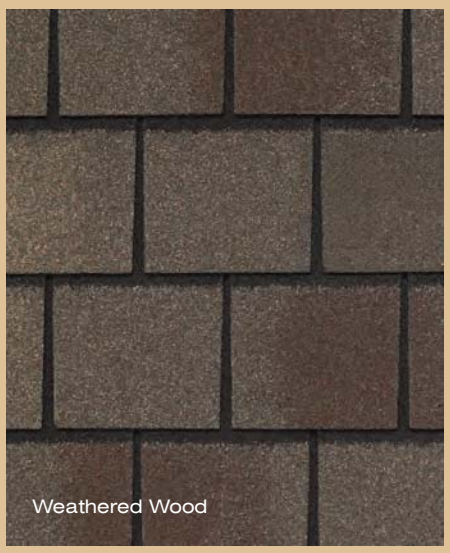

Cottage Red

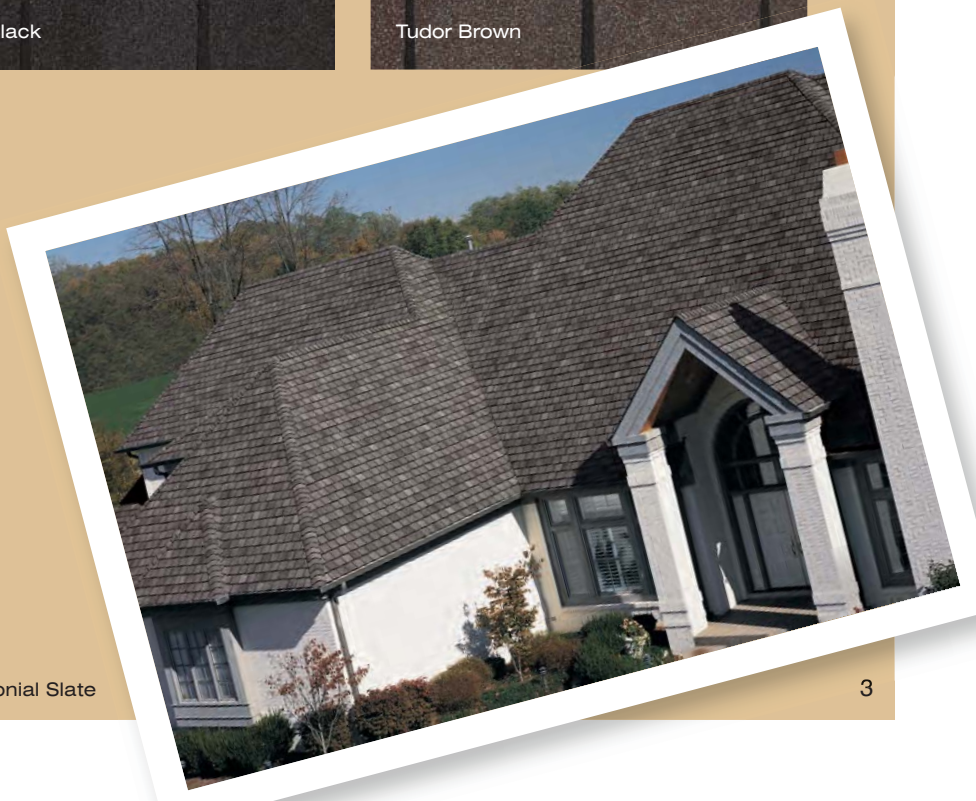
Georgetown Gray


Hunter Green


Moire Black

Tudor Brown


Weathered Wood



Shown in Colonial Slate

Integrity Roof System™

A systems approach combines high-performance components – underlayments, shingles, accessory products and ventilation – to make the Integrity Roof System a complete roofing solution. When you choose an Integrity Roof System, you gain the advantage of having CertainTeed as your single manufacturing source to stand behind its roof system components.

WinterGuard™
Waterproofing shingle underlayment prevents leaks from wind-driven rain and ice dams in vulnerable areas.

Roofers' Select™ or DiamondDeck™
High-performance underlayment provides a protective water-resistant layer over the roof deck and a secondary barrier against leaks.

Starter Shingles
Starter shingles are designed to work specifically with each different type of CertainTeed shingle for maximum performance.

CertainTeed Shingles
High-Quality shingles available in a wide variety of styles and colors, covered by the strongest warranty in the business. Flintlastic roll roofing products are also available for flat roof areas.

Hip & Ridge Caps
Accessory shingles are used to finish the hips and ridges of the roof and are designed to complement the appearance of CertainTeed shingles.

CertainTeed Ridge Vents
CertainTeed® Ridge Vents combined with sufficient intake vents, such as CertainTeed® Intake Vents, are the most effective ventilation system.

Color Companion Products™

With CertainTeed Flintlastic® SA, you can coordinate flat roof areas like carports, canopies and porches with your main roof. Flintlastic SA is a self-adhering low slope roofing product available in eight colors that match some of the most popular CertainTeed shingles. Ask your contractor for more information.

Lifetime limited transferable warranty, including 10-year SureStart™ protection, are applicable only in the United States, its territories and Canada; for products sold outside these areas, please refer to the International Warranty for specific details and limitations.

WARNING: FOR LOW-VOLUME RAIN AND SALT-FOG AREAS

In areas of low-volume rain (defined as insignificant rainfall during a 90-day period) and "salt fog," such as parts of the Southern California coastline, copper released by algae-resistant (AR) granules can react with the aluminum in gutters, leading to severe corrosion of the gutters. Therefore, in such regions, it is strongly recommended that aluminum gutters not be used with algae-resistant shingles. Vinyl or copper gutters are recommended.

NOTE: Due to limitations of printing reproduction, CertainTeed can not guarantee the identical match of the actual product color to the graphic representations throughout this publication.

easy selection

Add a little accent to your roof.

A stylish finishing touch for capping hips and ridges, Cedar Crest is available in colors to match your Hatteras shingles. For the best performance, use CertainTeed High-Performance Starter—the only approved installation alternative to using the shingles themselves.

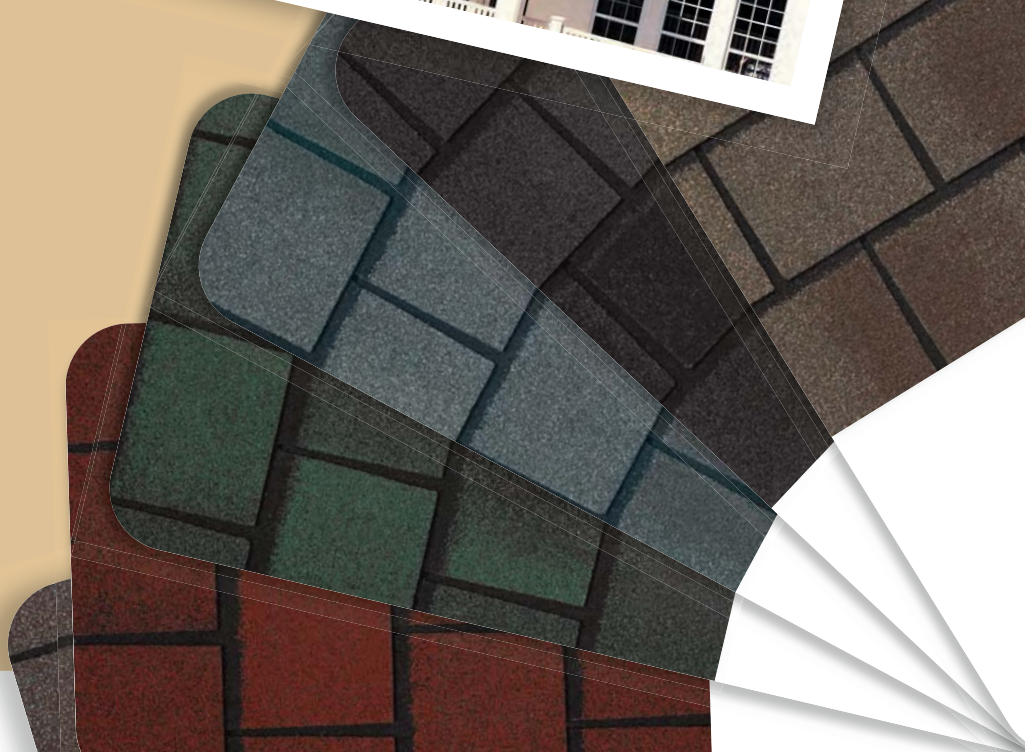
Shown in Cottage Red

RATED #1 BY BUILDING & REMODELING PROFESSIONALS

What's behind our #1 rating?

Builders and remodelers across America know certain things to be true of CertainTeed. For starters, we've been in the roofing business for over 100 years. We have thousands of satisfied homeowners. The process of building that satisfaction begins the moment you turn to us.

CertainTeed offers you the broadest range of color and style choices. But you'll see it's not style over substance. You'll get a roof that's made from the highest quality materials and backed by a strong warranty program. It's our promise to you: quality made certain, satisfaction guaranteed.



Your home is a reflection of your lifestyle.

From the way your furniture complements your wall colors to the way your roofline interacts with the landscaping.

What does your home say about you?

Living Spaces® Outdoors

ENERGY STAR AWARD 2013
PARTNER OF THE YEAR
Sustained Excellence

Reaching for the ENERGY STARS.

As a 2013 ENERGY STAR Sustained Excellence recipient for Energy Management, we are proud of our commitment to designing high quality, sustainable roofing products.

ASK ABOUT ALL OF OUR OTHER CERTAINTEED® PRODUCTS AND SYSTEMS:

ROOFING • SIDING • TRIM • DECKING • RAILING • FENCE • FOUNDATIONS
GYPSUM • CEILINGS • INSULATION • PIPE

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Consumer: 800-782-8777

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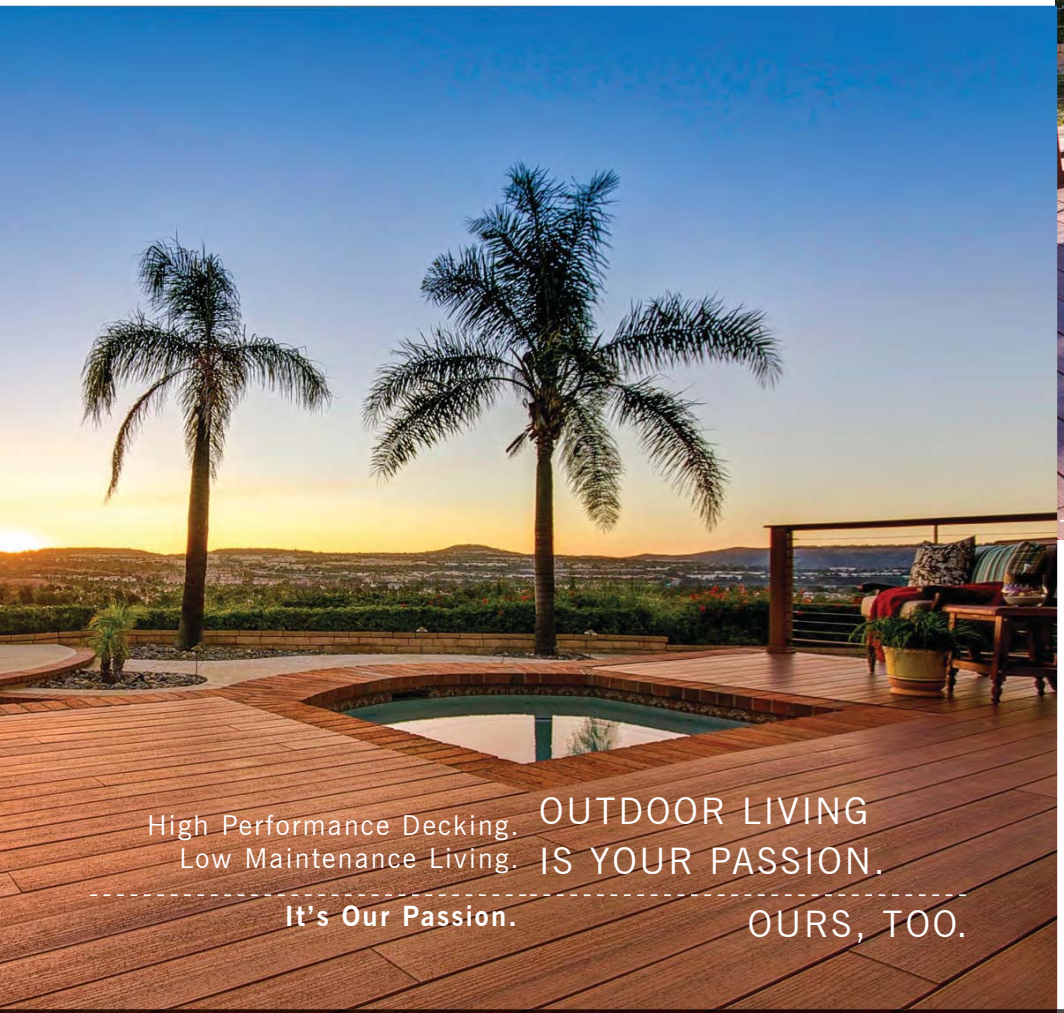
Code No. 20-20-1665

SAINT-GOBAIN

Minnehaha Refectory and Site Renovations
Application for Certificate of Appropriateness
Landscape Decking Cut Sheet - pg.1

TimberTech®
Less Work. More Life.



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LIT-CONBRO
9/12

DECKING | RAILING | LIGHTING | FASTENING | FENCING

timbertech.com

Why TimberTech?

Life's different out here. One step through the door and you feel it. It's more personal, less stressful. Away from the TV and video games. Where talking takes place over texting, nature provides the backdrop, and neighbors are welcome to sit a spell. As comfortable for lazy Sunday coffee as it is for a crazy Saturday cookout. And more moments are likely to be memories.

We get it. It's why we're a leading innovator in composite decking – and have been for years. Day after day, we imagine unrivaled combinations of colors, styles and mix-and-match options – then bring them to life. All to help you create a space that's as beautiful as it is functional – and as easy to design as it is to care for.

The ultimate in low-maintenance living – with a 25-year warranty that proves our dedication to perfection.

High-performance decking. Low-maintenance living. It's our passion.

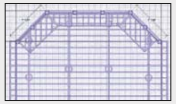
timbertech.com

DESIGN IT YOUR WAY

Start building your dream deck today at timbertech.com

COLOR VISUALIZER

Our Color Visualizer on timbertech.com lets you see dozens of color combinations to discover the one that's right for you.



DECK PLANS

Need inspiration or direction? See and print real deck plans – even materials lists – to help jumpstart your deck project.

DECK DESIGNER

Design your dream deck online with our free design tool. Add levels, stairs and railings. Create, change and save as many designs as you'd like.

MULTIMEDIA GALLERY

Browse photos, videos, reviews, articles and more – including helpful installation instructions.

Minnehaha Refectory and Site Renovations
Application for Certificate of Appropriateness
Landscape Decking Cut Sheet - pg.2

DECK

TRADITIONS

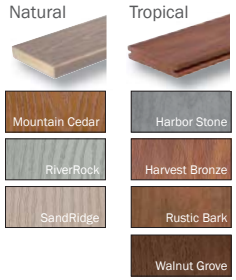
These practical composite decking options are designed for the value-conscious customer, while still offering a lifetime of low maintenance.

EARTHWOOD EVOLUTIONS®

Composite decking capped with a fully protective polymer shell that is practically impervious to the elements that every deck endures.

XLM®

XLM decking is engineered from premium PVC – so you're guaranteed the ultimate in scratch, mildew and stain resistance.



RAIL

EVOLUTIONS RAIL™

High-style, modern aesthetics meet low-maintenance sensibility. Our new Evolutions Rail is a capped composite railing system that features a sleek, continuous top rail – uninterrupted by posts. This railing system is available in two styles: Contemporary with versatile infill options and Builder as an affordable alternative with metal balusters.

Contemporary Style

*Infill available in Composite, Cable, and Metal.

Colors:

- Brick
- Classic Black
- Traditional Walnut

Builder Style

Colors:

- Brick
- Classic Black
- Traditional Walnut

RADIANCERAIL®

Smooth lines. Classic colors. Visible elegance. RadianceRail adds a distinctive profile and high-end presence to any deck with myriad options to mix and match post, rail and baluster colors, and infills, to curve the rails and integrate DeckLites. RadianceRail Express offers the same quality but is specifically designed to allow quick, easy installation.

RadianceRail

*Infill available in Composite, Cable, and Metal.

Colors:

- Antique White
- Classic Black
- Mountain Cedar
- RiverRock
- Traditional Walnut
- Coastal White
- SandRidge

RadianceRail Express

Colors:

- Coastal White
- Classic Black
- Traditional Walnut

ACCESSORIES

FENCING

A fence is the most visible extension of a home. And with FenceScape® you don't have to sacrifice beauty to get quality. FenceScape provides the look and feel of wood with the benefits you expect from composites. There's no painting, staining or sealing, and FenceScape won't split, rot, warp, crack, splinter or suffer termite damage.

LIGHTING

Nothing creates after-dark ambience like the warm glow of perfectly balanced lighting. Designed to seamlessly integrate into railings, decking and steps, our award-winning DeckLites® use low-voltage, energy-efficient LED lights to let you turn on the ultimate atmosphere and cast a soft, protective glow across steps and surroundings.

FASTENING

TOPLoc face and fascia fastening systems come in colors to coordinate with all TimberTech boards and are designed to eliminate mushrooming.

TimberTech's ingenious CONCEALoc hidden fastener system is designed to combine ease of installation with the sought-after look of a flawless, fastener-free surface.

Designed exclusively for TimberTech planks, TimberTech Cortex provides a discrete, hidden fastening solution for perimeter boards and stairs.

DRYSPACE™

The smartest, simplest way to create more space. Specifically designed for second story decks, our DrySpace drainage system collects and channels moisture from the spaces between planks – and turns the area below into versatile, sheltered leisure or storage space.

Heritage Preservation Commission
Application for Certificate of Appropriateness

Minnehaha Refectory, 4801 Minnehaha Ave, Minneapolis, MN

PHOTOS OF THE PROPERTY AND EXISTING CONDITIONS

View of the South Elevation – facing Minnehaha Falls

Composite view of the North Elevation.

View of the East Elevation – Sea Salt Eatery

View of the West Elevation - Restrooms

Example of deteriorated wood trim to be restored.

Example of deteriorated wood trim to be restored.

Example of stained soffit to be cleaned.

Example of stained and deteriorating soffit to be restored.

Example of deteriorated asphalt roof to be replaced.
View of existing mechanical equipment to be removed where ever possible.

Example of deteriorated asphalt roof to be replaced.

View of mis-matched non-original overhead doors.

View of dormer with infill to be removed.

View of the southeast area to have an expanded platform.

View of deterioration on the southeast platform area.

View of the worn path created by foot and bicycle traffic.

View of the existing trash enclosure.

Jean M. Turck

From: Jean M. Turck
Sent: Wednesday, May 28, 2014 4:05 PM
To: 'melanie@longfellow.org'
Cc: Charles D. Liddy; Paul G. May; Murdoch, Dana E. <DMurdoch@minneapolisparks.org> (DMurdoch@minneapolisparks.org); Bryan Harjes (Bryan@hkgi.com)
Subject: Minnehaha Refectory - Certificate of Appropriateness Information
Attachments: Information Packet.pdf

Dear Ms. Majors,

Miller Dunwiddie Architecture, on behalf of the Minneapolis Park and Recreation Board, is preparing a submittal to the Heritage Preservation Commission for a Certificate of Appropriateness (CofA) for renovation work at the Minnehaha Refectory, 4801 Minnehaha Avenue. We would like to let you know of the work that is being planned for the site.

This application is for Phase III of an overall master plan for the Minnehaha Refectory. The intent of the project is to address immediate priorities identified during the schematic design phase of the overall Minnehaha Refectory reinvestment plan by the Minneapolis Park and Recreation Board. These priorities include: replacement of the existing asphalt roof, replacement of existing garage doors, existing restroom updates, removal of a dropped ceiling in the pavilion and adding new lighting, improving walking paths, adding additional seating area around Sea Salt, adding additional bike parking, expanding the existing trash enclosure to allow Sea Salt to compost organics, and adding screening for Wheel of Fun bike storage.

We will be submitting this project to the City of Minneapolis Heritage Preservation Commission for review and approval. I have attached a copy of the project narrative and a few of the images we will be submitting.

Please contact me if you have any questions or comments.
Thank you,
Jean

Jean Turck, AIA
Architect

miller dunwiddie architecture
123 North Third Street Suite 104 Minneapolis, MN 55401
d: 612-278-7702 f: 612-337-0031 p: 612-337-0000

Visit our website at www.millerdunwiddie.com

Jean M. Turck

From: Jean M. Turck
Sent: Wednesday, May 28, 2014 4:06 PM
To: 'andrew.johnson@minneapolismn.gov'
Cc: Charles D. Liddy; Paul G. May; Murdoch, Dana E. <DMurdoch@minneapolisparks.org> (DMurdoch@minneapolisparks.org); Bryan Harjes (Bryan@hkgi.com)
Subject: Minnehaha Refectory - Certificate of Appropriateness Information
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Jean Turck, AIA
Architect

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