A. Structural Description

This parking structure is comprised of 7 levels of parking. The structural floor system is post-tensioned concrete slab and beams supported by cast-in-place concrete columns.

General

1. Contractor shall make such investigations as it deems necessary in advance of bidding. Contractor shall promptly notify Owner/Engineer, in writing, of any discrepancies found between drawings and field conditions during construction.
2. Contractor is responsible for determining actual extent and locations of repair areas in accordance with drawings and specifications; Work Items and bubbles shown on drawings is shown only to represent types of deterioration and general location. Prior to fabrication of any material or placement of concrete, all Work Item quantities shall be marked and quantified by Contractor. Report quantities to Engineer. Contractor to receive written approval from Engineer prior to beginning work. Any work completed beyond approved quantities is at no cost to Owner.
3. Work Items are identified on Drawings as indicated in Legend on Sheet R001. Specification Section 004100 is the bid form for restoration. Section 020010 defines scope of work to be accomplished, referenced details, approved materials, referenced specification sections, and execution of work to be completed by a restoration contractor specializing in parking structure restoration.
4. Dimensions shown on plans are based on original construction documents. Contractor is required to field verify all conditions for purpose of preparing bid and performing work. Do not scale drawings.
5. Construction shall be in accordance with all applicable Federal, State of Minnesota and City of Rochester codes and ordinances, including Fire Codes.
6. All material properties shall be as noted in Specifications.

B. Details and Symbols

1. Details with clarification detail number other than 0 and labeled (FOR CLARIFICATION ONLY) do not represent a separate price item. These details supplement basic detail to provide additional information. In some cases these details show variation of typical condition.
2. Where Work Item bubble is noted "TYP", it means work item occurs at all locations where applicable deterioration or designation symbol occurs on that plan.
3. Where "Typical As Required" (TAR) is noted, it means there may be areas of this work in addition to particular designated areas.
4. Where two or more Work Item bubbles are grouped together, it means any or all designated Work Items may be applicable. Coordination of Work Items is Contractor's responsibility.
5. When a Work Item or Detail is listed as incidental, that work is included in pay unit of other work items and does not have a separate price.
6. When a Detail is labeled (FOR REFERENCE ONLY) it provides information about incidental work and does not have a pay unit.

C. Shoring, Bracing, and Enclosures

1. Contractor shall provide all shoring, bracing, sheeting, etc. required for safety and proper execution of work as incidental to work, unless noted otherwise.
2. Contractor is solely responsible to prepare shop drawing for bracing and shoring members. Contractor hired professional engineer, registered in State of Minnesota shall submit sealed calculations and drawings to Engineer for record.
3. Contractor shall provide temporary enclosures/barricades at work areas to limit dust, fall hazards and thermal transfer between conditioned spaces & the building exterior. Where doors are repaired, alternate means of egress must be provided and signed appropriately.

D. Existing Conditions, Services and Utilities

1. Following is incidental to all work. All items that are existing and fixed to parking facility shall be protected or removed, stored, and reinstalled to original integrity, and contractor damaged items shall be repaired or replaced to original integrity at no cost to Owner.
2. Following are fixed items, but not limited to: Light fixtures, exposed electrical conduit, floor drain piping, standpipes, mechanical and electrical lines and utilities, signs, doors, elevators, entrance, vestibules, parking equipment, guardrails, guardrail cables, etc.
3. Contractor shall review all existing conditions to determine all electrical and mechanical services and utilities affected by repair work. Make necessary temporary connections to maintain existing services to all areas of parking garage or other areas affected by work. Contractor shall submit methods and schedule of connections for Owner approval prior to commencement.
4. Contractor shall contact Owner when electrical conduit is encountered unless noted otherwise. Owner to determine if electrical conduit is functioning. If not functioning, Contractor shall remove conduit from patch cavity. If functioning, Contractor shall repair conduit/conductors as needed.

E. Construction Phasing and Sequencing

1. Work sequence shall be coordinated with Owner's representative.
2. Owner will continue to use parking facilities and skyways during rehabilitation. Contractor can take parking spaces out of service at any time and must phase and arrange work so as to maintain access at all times to all parking areas that are not under construction for both vehicles and pedestrians. The quantity of stalls taken out of service shall be coordinated with the Owner.
3. Contractor shall install barricades during all phases of the project between construction areas and public areas, and pedestrian walk areas. Minimum barricades shall be a continuous wall 4' tall. Signs shall be mounted on outside of barricades at 20' O.C. stating "Construction Area Keep Out". Contractor shall meet minimum safety requirements for temporary floor openings, wall openings, stairways and other unprotected edges within construction areas.

F. General Member Repair Notes:

1. Contractor is solely responsible for:
   a. Training and monitoring his work force concerning safety procedures to be employed in execution of this work and protection of public and property.
   b. Maintaining stability of structure and elements within structure during repair work, including but not limited to installation of shoring and bracing.

G. Abbreviations

APPROX	=	Approximately
BM	=	Beam
BOT	=	Bottom
CIP	=	Cast in Place
CJ	=	Construction Joint/Control Joint
CLR	=	Clearance
CMU	=	Concrete Masonry Unit
COL	=	Column
CONC	=	Concrete
CONT	=	Continuous
CY	=	Cubic Yard
DET	=	Detail
DIA	=	Diameter
EA	=	Each
EJ	=	Expansion Joint
EXIST	=	Existing
FD	=	Floor Drain (Existing)
FIN	=	Finished
FL	=	Floor
GALV	=	Hot Dipped Galvanized
HORIZ	=	Horizontal
INC	=	Incidental
JT	=	Joint
KSI	=	Kip Per Square Inch
LBS	=	Pounds
LF	=	Linear Foot
LMC	=	Latex Modified Concrete
LS	=	Lump Sum
MAX	=	Maximum
MIN	=	Minimum
N/A	=	Not Applicable
NFD	=	New Floor Drain
OC	=	On Center
OH	=	Opposite Hand
P/T	=	Post-tension (ed) (ing)
PSI	=	Pounds Per Square Inch
REINF	=	Reinforcement
REQ'D	=	Required
RWC	=	Rain Water Collector (Horizontal or Vertical)
SF	=	Square Foot
SIM	=	Similar
SOG	=	Slab on Grade
SPEC	=	Specification
Standpipe	=	Existing Manual Dry Standpipe System (Horizontal or Vertical)
SUPP	=	Supported
TAR	=	Typical As Required
TT	=	Traffic Topping
TYP	=	Typical
VERT	=	Vertical
UN or UNO	=	Unless Noted Otherwise
VIF	=	Verify in Field
WI	=	Work Item
WWR	=	Welded Wire Reinforcement

SHEET INDEX

R001 - GENERAL NOTES, SHEET INDEX, AND LEGEND

R101 - LEVEL 1 PLAN
R103 - LEVEL 3 PLAN
R105 - LEVEL 5 PLAN

R201 - ELEVATIONS

R501 - REPAIR DETAILS
R502 - REPAIR DETAILS
R503 - REPAIR DETAILS

LEGEND

MATCH LINE NUMBER
= EXPANSION JOINT
= CONSTRUCTION JOINT
= FLOOR SPALL OR DELAMINATION
= CEILING SPALL OR DELAMINATION
= FLOOR DRAIN
= TRAFFIC TOPPING

XX.XX — WORK ITEM NUMBER (SEE SPECIFICATIONS)

WORK ITEM IDENTIFICATION

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Rochester Minnesota

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GENERAL NOTES, SHEET INDEX, AND LEGEND

R001

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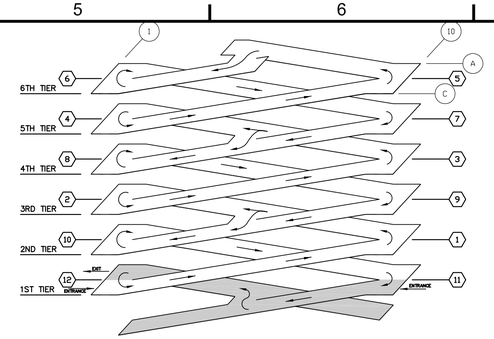

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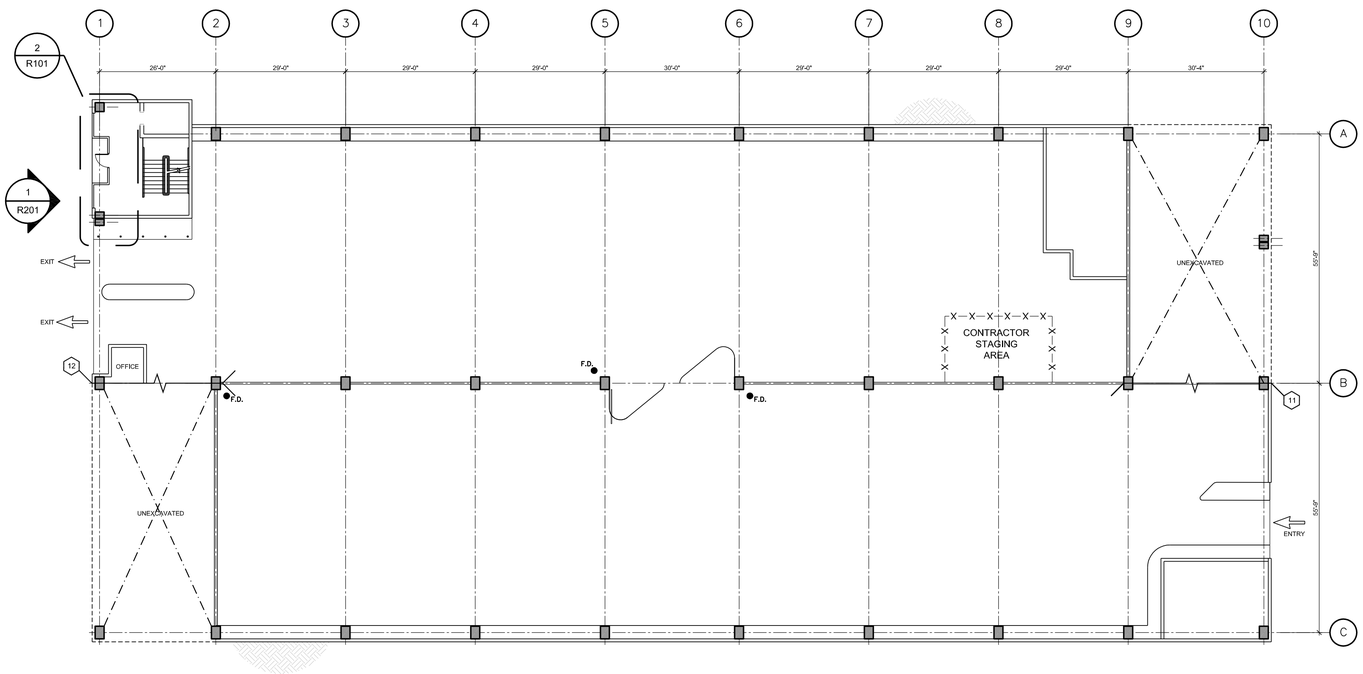

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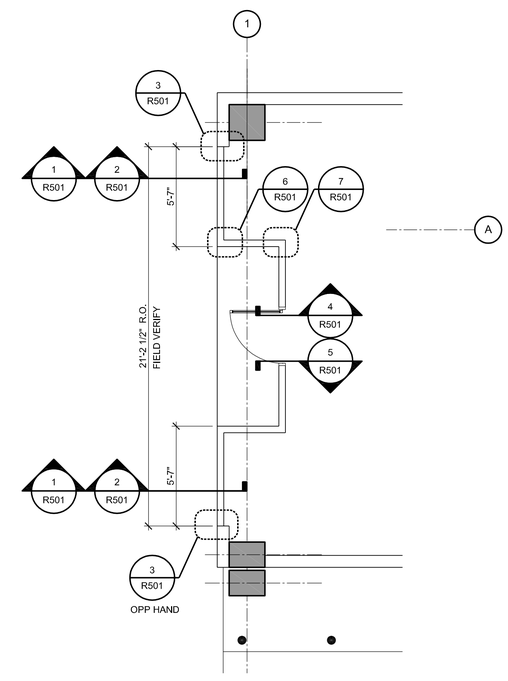

2 ENLARGED PLAN VIEW

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LEVEL 1
PLAN

R101

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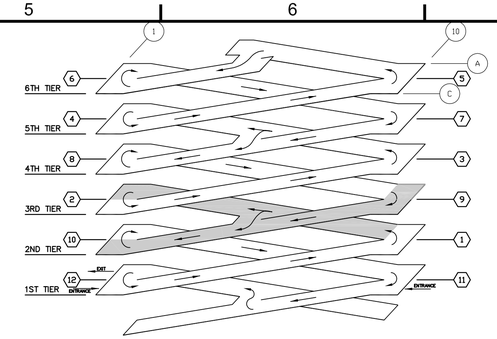

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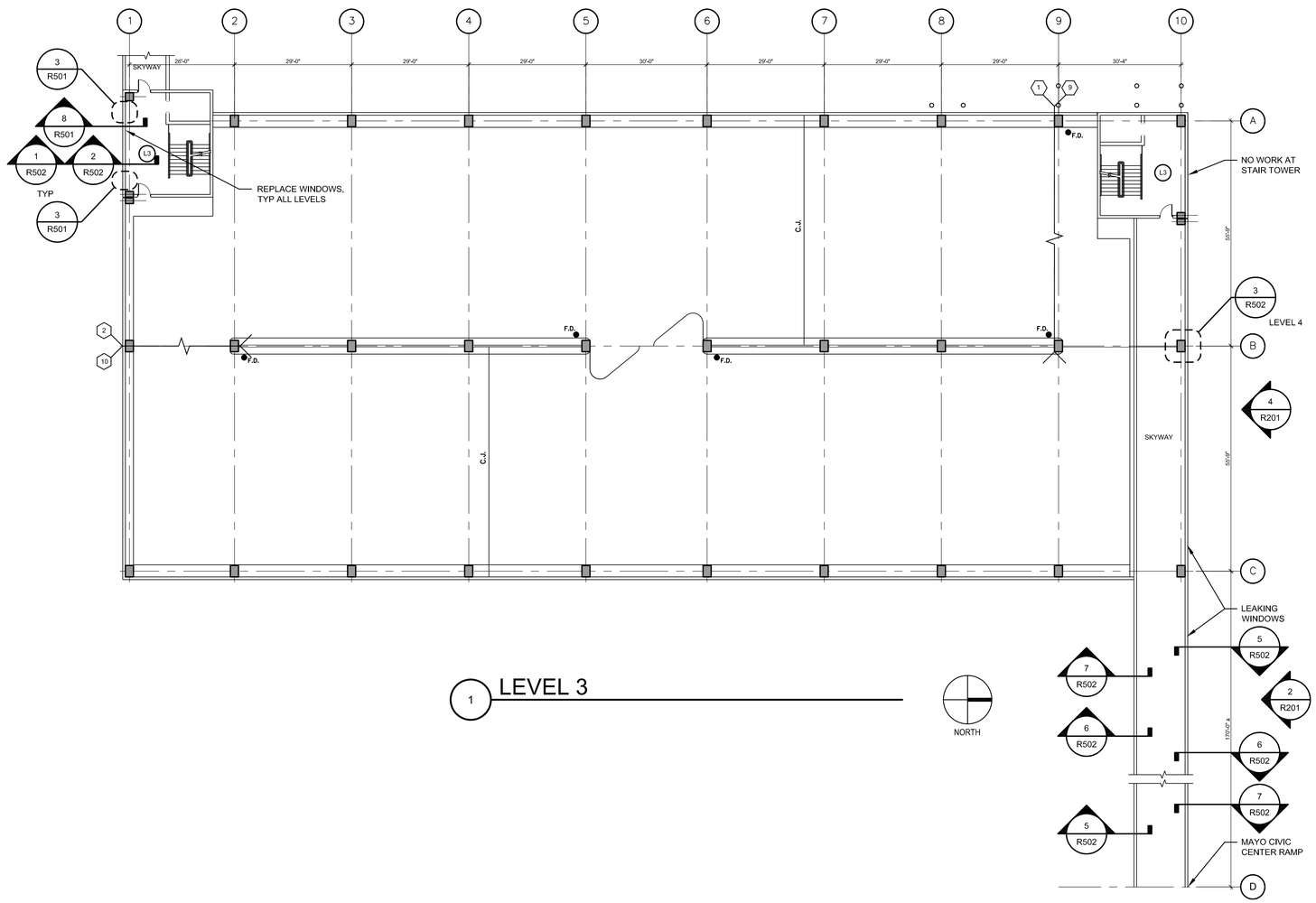

1 LEVEL 3

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LEVEL 3 PLAN

R103

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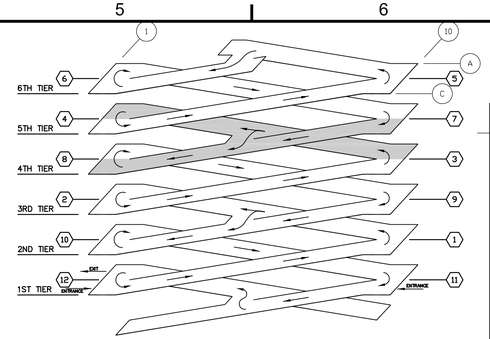

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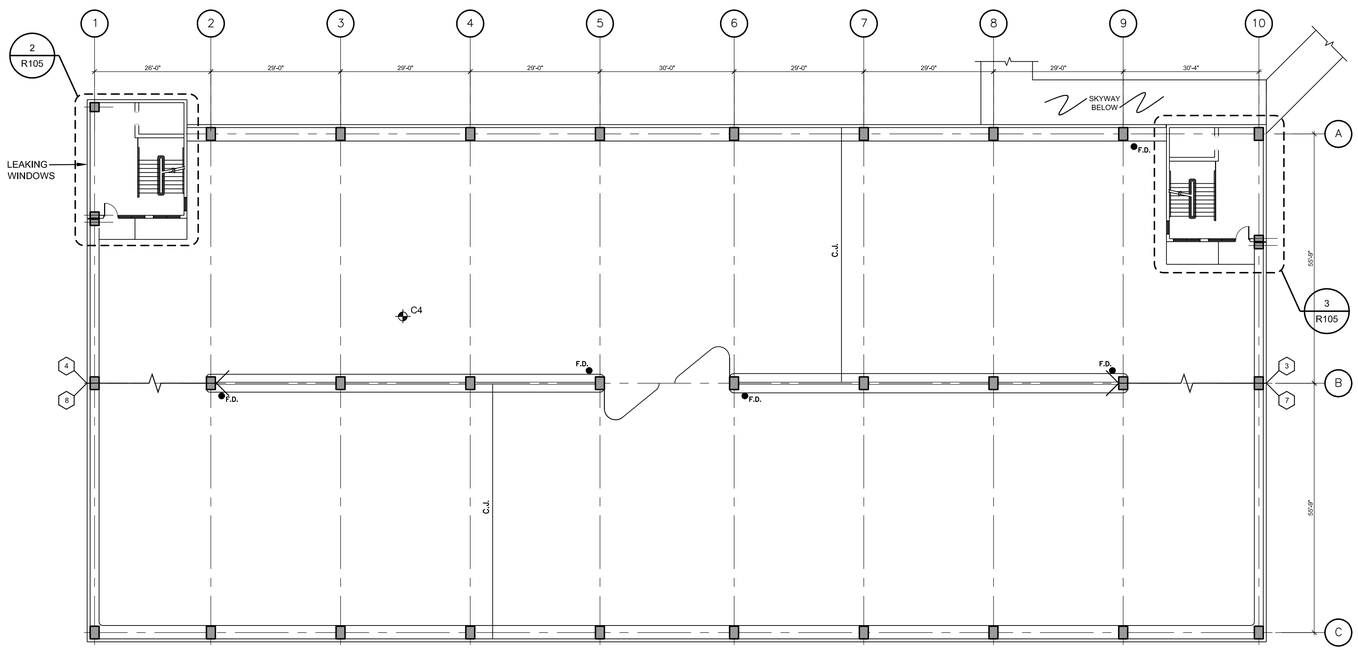

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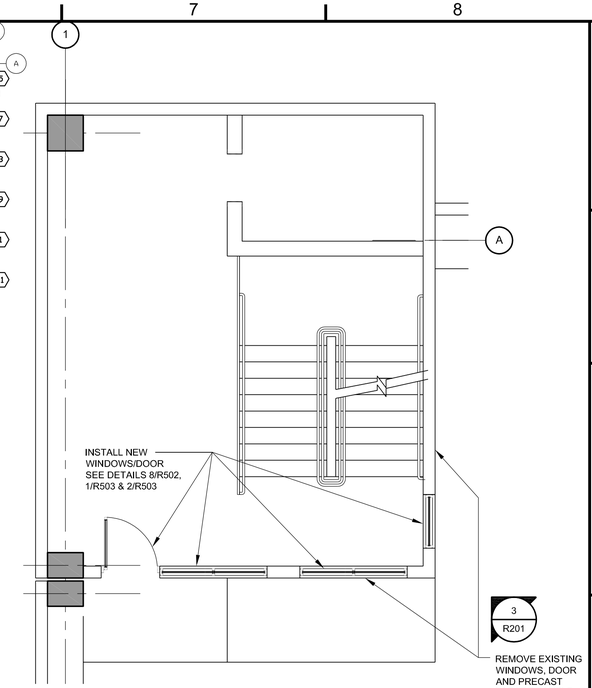

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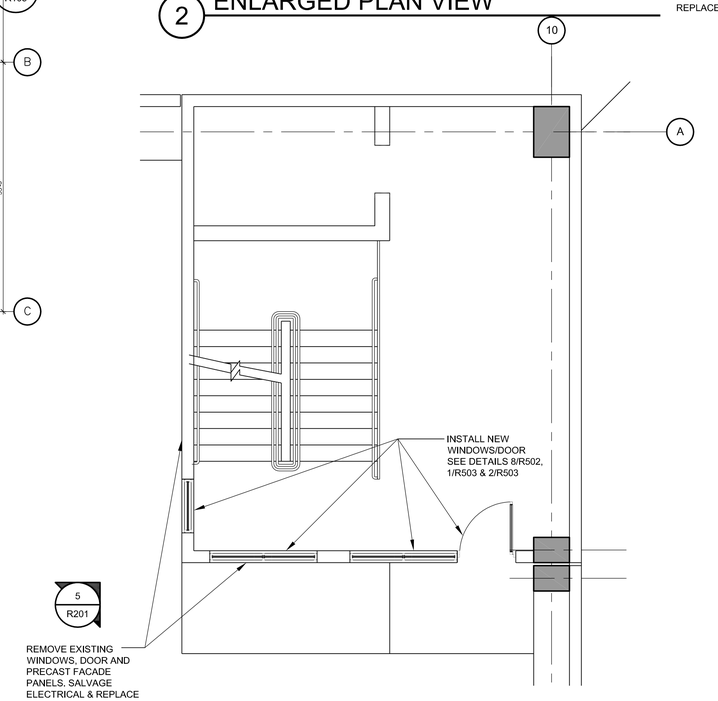

3 ENLARGED PLAN VIEW

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LEVEL 5 PLAN

R105

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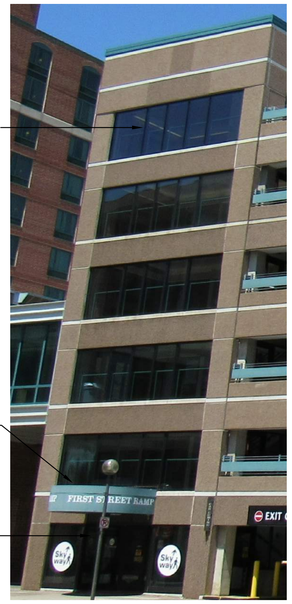
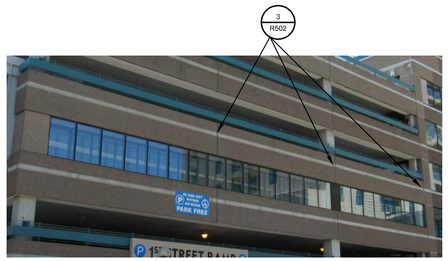


1 SOUTH STAIR ELEVATION

2 SKYWAY ELEVATION

ELEVATION NOTES:
1. REMOVE, SALVAGE & REPLACE ELECTRICAL EQUIPMENT AS NECESSARY.
2. REMOVE AND DISCARD INTERIOR GLAZING, PRECAST CONCRETE PANELS AND METAL SURFACE BRACKETS.
3. INSTALL NEW GLAZING SYSTEM.
4. PAINT STEEL EMBEDS WITH CORROSION INHIBITIVE PRIMER & PAINT TO MATCH CONCRETE COLOR.

3 SW STAIR LEVEL 5 ELEVATION



ELEVATION NOTES:
1. REPLACE ALL SEALANT AT NORTH SKYWAY WINDOWS.
2. REAM/ENLARGE EXISTING SILL WEEP OPENINGS FROM 1/4" Ø TO OBLONG 3/8" x 3/4". SEE DETAIL 4/R502

4 NORTH SKYWAYELEVATION

ELEVATION NOTES:
1. REMOVE, SALVAGE & REPLACE ELECTRICAL EQUIPMENT AS NECESSARY.
2. REMOVE AND DISCARD INTERIOR GLAZING, PRECAST CONCRETE PANELS AND METAL SURFACE BRACKETS.
3. INSTALL NEW GLAZING SYSTEM.
4. PAINT STEEL EMBEDS WITH CORROSION INHIBITIVE PRIMER & PAINT TO MATCH CONCRETE COLOR.
5. PATCH CONCRETE AT ABANDONED LAMB'S TONGUE WITH VERTICAL REPAIR MORTAR.

5 NW STAIR LEVEL 5 ELEVATION

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ELEVATIONS

R201

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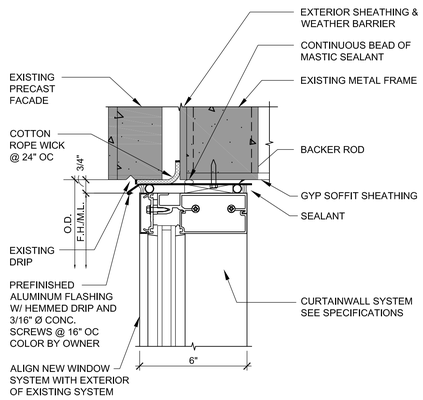

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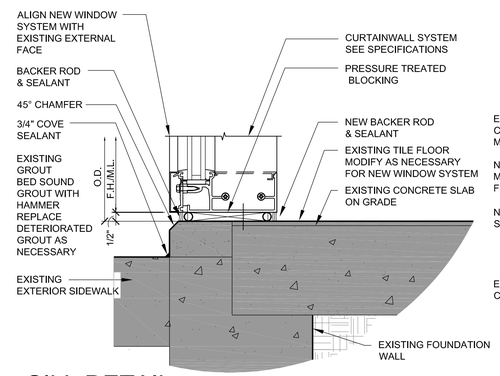

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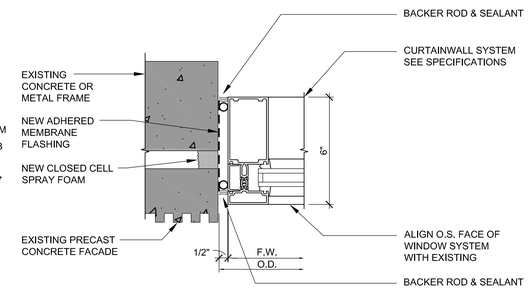

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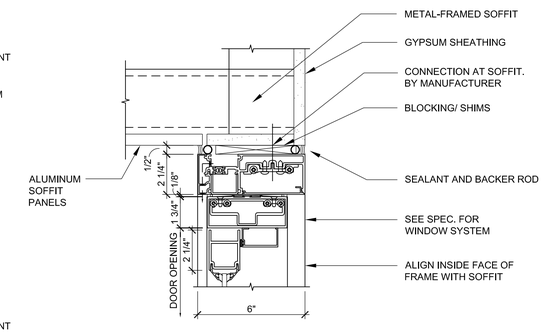

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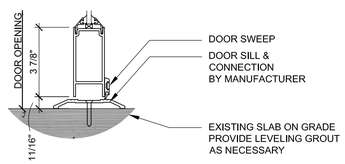

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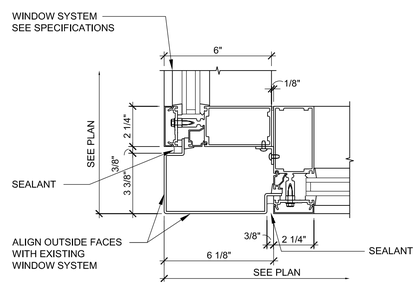
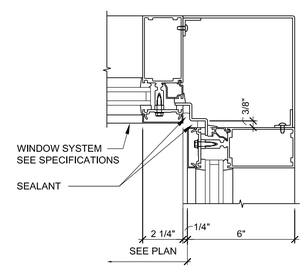


6 90° OUTSIDE CORNER DETAIL



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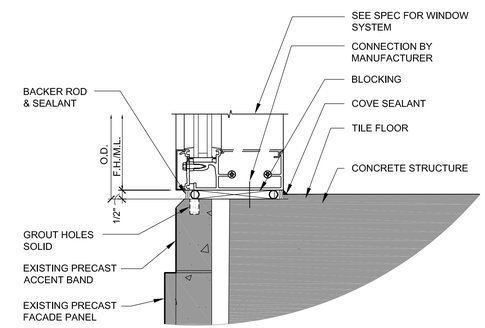

8 TYPICAL SILL DETAIL

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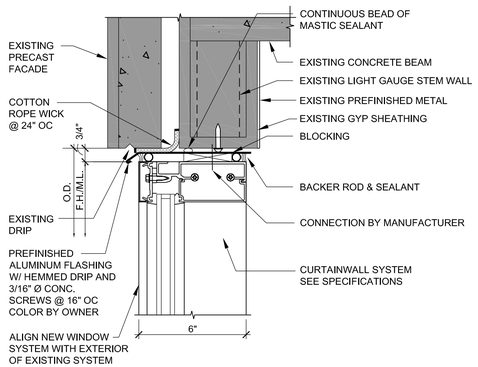
SHEET TITLE:
REPAIR DETAILS

R501



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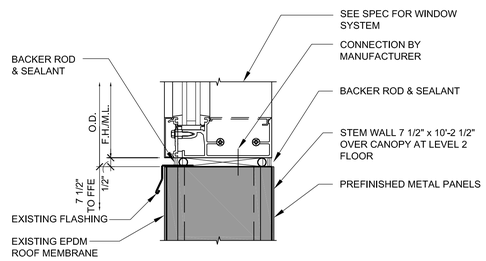
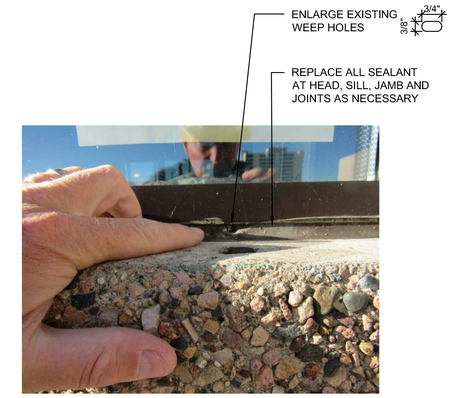
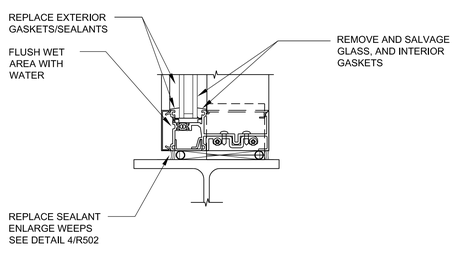


2 LEVEL 2 STEM WALL DETAIL

3 SEALANT DETAIL



4 NORTH SKYWAY DRAINAGE



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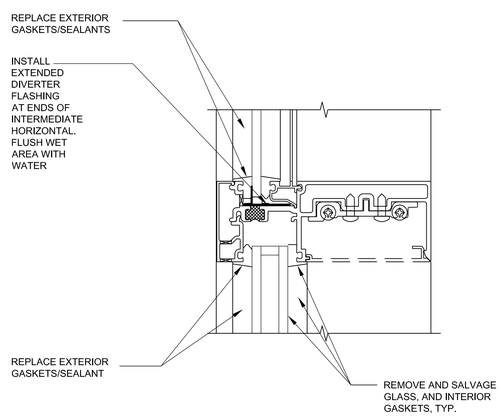
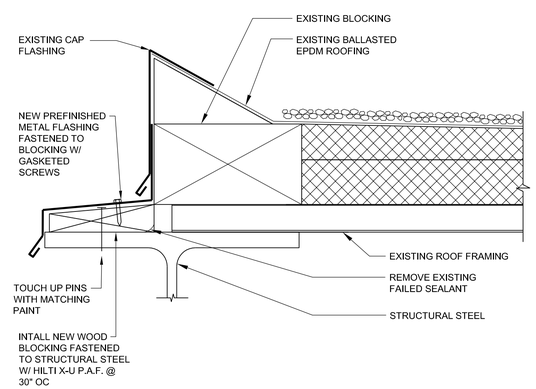


6 INTERMEDIATE HORIZONTAL@ BRIDGE



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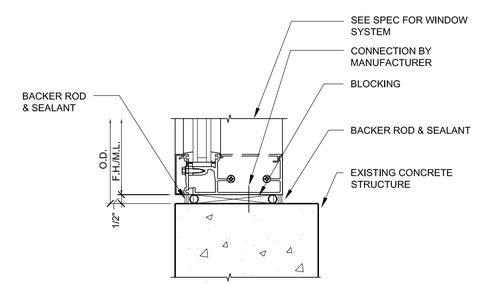

8 INTERIOR WINDOW SILL

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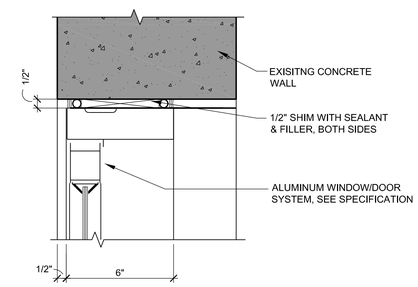
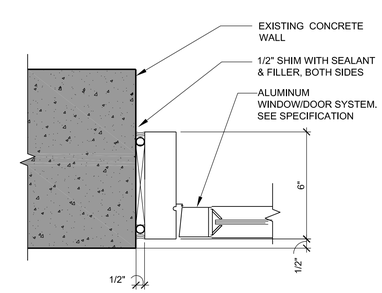
R502

J:\21-4101-00-ROCHESTER_1ST_ST_2015\301_GLAZING RESTORATION\ACAD\REST\4101R-501.DWG 1/22/2016 2:32:48 PM MASTEL, LISA



1 HEAD DETAIL AT CONCRETE WALL



2 JAMB DETAIL

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FIRST STREET PARKING
2016
GLAZING RESTORATION
Rochester Minnesota

MARK	DATE	DESCRIPTION
	01.22.2016	ISSUE FOR CONSTRUCTION

ISSUE:

PROJECT NO: 21-4101.00
DRAWN BY: LPM
CHECKED BY: MHR
SHEET TITLE:
REPAIR DETAILS

R503

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