

SCRIM & SKYLIGHT REPAIR / REPLACEMENT

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510 NORTH BROADWAY

BILLINGS, MONTANA

document status:

Date:	Phase:	Status:
3/12/21	Schematics Review	●
4/9/21	Design Development Review	●
5/26/21	Construction Documents Review	●
6/1/21	Bidding/ Negotiating	●
7/1/21	Rebid	●
7/1/21	For Construction	●

abbreviations:

• AT	FD - FLOOR DRAIN	O.S.C.I. - OWNER SUPPLIED
ADJ. - ADJUSTABLE	FDN - FOUNDATION	CONTR. INSTALLED
ALT. - ALTERNATE	FE - FIRE EXTINGUISHER	IE - PLATE
ALUM. - ALUMINUM	FEF - FACE OF EXISTING	FLNBG - PLUMBING
APPROX. - APPROXIMATE	FFL - FOUNDATION LEVEL	FLWD - PLYWOOD
BD - BOARD	FIN - FINISH	FSI - POUNDS PER
BLDG. - BUILDING	FLR - FLOOR	SQUARE INCH
BLKg - BLOCKING	FLRG - FLOOR, GLASS REINFORCED	PSF - POUNDS PER
BSP - BATTING OF SHEATHING	PAN - PANEL	SQUARE FOOT
CAB - CABINET	FG - FOOTING	RO - REINFORCED OPENING
CAJ - CONTROL JOINT	FGF - FACE OF FOUNDATION	REQD - REQUIRED
€ - CENTERLINE	FIG - FOOTING	RM - ROOM
CMU - CONCRETE MASONRY UNIT	GB - GYPSUM BOARD	SCU - SOLID CORE WOOD
COC - CENTER OF COLUMN	GR - HORIZONTAL	SH - SHED
COL. - COLUMN	HCC - HOLLOW CORE WOOD	SG - SQUARE
CONC - CONCRETE	HGT - HOLLOW METAL	STOR - STORAGE
CONTR. - CONTRACTOR	INT - INSULATION	STL - STEEL
CPP - COMPOSITE POLYMER PANEL	INSUL - INSULATION	T&G - TONGUE AND GROOVE
DEL - DOUBLE	INT. - INTERIOR	TOP - TOP OF BEARING
DEPO. - DEPOSITION	MANF. - MANUFACTURER	TOP. - TOP OF FOOTING
DF - DRINKING FOUNTAIN	MECH. - MECHANICAL	TOP. - TOP OF PLATE
DIA - DIAMETER	MIN. - MINIMUM	TOP. - TOP OF WALL
D. S. - DRAIN SPOUT	MTL - METAL	TS - THERM. SHELL
EA - EACH	NO. - NUMBER	TYPE - TYPE
EXP. ANCH. - EXPANSION ANCHOR	NO. - NOT NUMBER	VB - VAPOR BARRIER
ELECT. - ELECTRICAL	NIC - NOT IN CONTRACT	VBND - VERTICAL BOND
ELEV. - ELEVATION	NLR - NOT IN LIST	VERT. - VERTICAL
EQ - EQUAL	NTS - NOT TO SCALE	WC - WALK-IN CLOSET
EXP. - EXPANDING	NTS. - NOT TO SCALE	WD - WOOD
EXP. - EXPANSION	O.C. - ON CENTER	W/ - WITH
EXT. - EXTERIOR	WFB - WELDED WIRE FABRIC	W/O - WITHOUT

symbols legend:

	WATER SHEET	DETAIL		NEW	SPOT ELEVATION
	WATER SHEET	WALL SECTION		CONTRACT LIMITS	
	REF.	NORTH ARROW		EXISTING TREE	
	TO PLATE	REFERENCE ELEVATION		CENTER LINE	
		GRID LINE			

mat'l legend:

	CONCRETE
	DIMENSIONAL LUMBER SECTION
	BLOCKING SECTION
	FINISH LUMBER SECTION
	BATT OR BLANKET INSULATION
	RIGID INSULATION
	PLYWOOD
	GYPSUM BOARD
	CMU - PLAN
	MASONRY (BRICK)
	COMPACTED FILL
	UNDISTURBED SOIL
	COMPACTED GRAVEL FILL
	STEEL
	CMU - SECTION

special note:

The final building configuration may differ from these design documents due to the implications of code requirements, coordination of mechanical, electrical, structural systems, modifications by the occupants of the building and the need for on-site adjustments during the course of construction.

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architectural sheet index:

A1.0	TITLE SHEET
A2.0	SITE PLAN
A3.0	ROOF PLAN
A4.0	BUILDING ELEVATIONS
A4.1	BUILDING ELEVATIONS
A4.2	BUILDING ELEVATIONS
A4.3	BUILDING EXT. PHOTOS
A4.4	BUILDING SCRIM INFO. & DETAILS
A5.0	SCRIM & SKYLIGHT REFERENCE SPECIFICATIONS

general notes:

General provisions and specifications apply to these drawings.

1. The Contractor shall implement project work shown in compliance with the contract documents.
2. Any variation found during construction due to actual field conditions which affect the construction shall be reported to the Architect.
3. The work of this project shall be done in strict accordance with applicable Federal, State, and Local codes/ ordinances at date of construction.
4. Contractor shall reference the required sheets of the drawings for locations of items and coordinate the installation of all items.
5. Contractor shall verify applicable existing conditions and dimensions including but not limited to existing site dimensions and other site conditions prior to bidding and beginning work.
6. **Caution!** Contractor to use extreme care during demolition, cutting / patching to avoid utility lines. Locations indicated are approximate - verify with local officials.
7. Heavy trucks may be driven over existing concrete walks and asphalt only with proper ramps, planking and protection. Contractor shall be responsible for any damage to existing concrete slabs and asphalt, and shall repair or replace concrete/asphalt and install new material as required by damage during construction.
8. Contractor shall repair any existing or in progress installation damaged during construction to match existing at no additional cost.
9. Construction details are suggested means - alternate proposals of equal value within code may be considered per the general requirements.
10. Materials not furnished by the Owner shall be supplied by the Contractor, including all anchors, fasteners, sealants, trim and touch up as required for complete installation.
11. Contractor is responsible for frames, and other blocking for in-place equipment. Verify on site prior to bidding.
12. Provide additional members i.e. (blocking, anchors, shims) as required to satisfy detailing and construction requirements.
13. Plates or blocking in contact w/concrete masonry, or ground moisture to be treated.
14. Plumbing and ducts to be installed within building insulation.
15. These documents are derived from existing documents and are to be field verified in all instances. The owner has available design/construction documents, submittal documents, shop drawings and other project material information for this project. **THE SCOPE OF THIS PROJECT IS THE REMOVAL & REPLACEMENT OF HAIL DAMAGED INSTALLATIONS ONLY.**
16. Dimension note: Dimensions are to match existing and to be verified on site prior to beginning work. Revised items must be incorporated within the existing conditions. (Unless noted otherwise)
17. NOTE: These drawings are comprised of reference drawings of the building design/construction documents and designate the primary information for this repair/replacement project. Items/conditions to be altered are noted.

GENERAL PROVISIONS AND SPECIFICATIONS OF THE CONTRACT DOCUMENTS APPLY TO THESE DRAWINGS.

material note legend:

DIV.-5; METALS:

DIV.-7; THERMAL & MOISTURE:

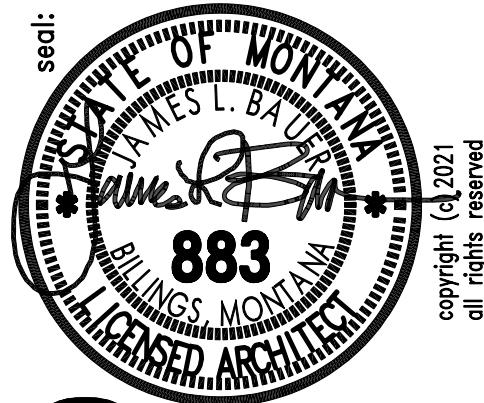
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BILLINGS, MONTANA

sheet: _____

GENERAL NOTES, DATA, LEGENDS AND STATUS



bauer group
architects/p.l.l.c.

Project no.: 2021-01
Sheet no.: 9
Designed by: J.B.
Drawn by: J.B.
Reviewed by: J.B.

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A1.0
of 9

general notes - roof

- DEMOLITION INCLUDES THE REMOVAL AND DISPOSAL OF ROOF CONDITIONS AS INDICATED ON DRAWINGS AND SPECIFICATION.
- VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING DEMOLITION WORK.
- DO NOT ACTIVELY REMOVE OR REMOVE ALL ITEMS AS INDICATED. MATERIALS SCHEDULED FOR RE-USE ARE TO BE REMOVED, FULLY CLEANED, AND STORED READY FOR REINSTALLATION.
- REMOVE AND DISPOSE OF ALL REMAINING DEMOLISHED MATERIALS LEGALLY OFF SITE.
- REMOVE EXISTING ROOF IN DESIGNATED RE-ROOF AREA ONLY. ONLY THAT PORTION OF THE EXISTING ROOF SHOULD BE REMOVED THAT CAN ADEQUATELY BE RECONSTRUCTED AND KEPT DRY DURING CONSTRUCTION. TEMPORARY FLASHING AND CONSTRUCTION TARPING ARE TO COVER THOSE AREA BREAKS EXCLUDING THE NEW DURING CONSTRUCTION TO ENSURE AN INTEGRAL ROOF CLOSURE.
- REMOVE REGLET FLASHING AND COUNTER-FLASHING ON VERTICAL SURFACES WITHIN THE RE-ROOF AREA TO FACILITATE RE-ROOF WORK.
- PROTECT CURBS AT UNITS AND RECONSTRUCT THOSE TO PROVIDE ADEQUATE ELEVATION OF UNITS FROM THE NEW ROOF SURFACE FOR FLASHING.
- VERIFY VENT PIPES ARE ACTIVE.
- M/E LOCATIONS ARE APPROXIMATE - VERIFY ON SITE PRIOR TO BEGINNING PROJECT.
- CONTRACTOR TO PROVIDE THE NECESSARY TEMPORARY SUPPORTING BRACING TO EXECUTE THE WORK.
- THE CONTRACTOR IS TO ADHERE TO APPLICABLE CRITERIA REGARDING THE SAFE & EFFECTIVE IMPLEMENTATION OF THE WORK.
- THE CONTRACTOR IS TO MAINTAIN A CLEAN SITE FOR ALL AREA DURING THE DEMOLITION WORK & SURROUNDING AREA.
- THE CONTRACTOR IS TO KEEP ADJACENT STREETS, ENTRIES, SIDEWALKS, ALLEY AND YARD AREAS FREE OF DELETERIOUS MATERIALS AND SAFE DURING THE WORK.
- CONTRACTOR TO NOTIFY ARCHITECT CONCERNING ANY IRREGULARITIES FOUND DURING DEMOLITION.

general notes - roof

- NATIONAL ROOFING CONTRACTORS ASSOCIATION (NRCA) - ROOFING AND WATER PROOFING MANUAL, CURRENT EDITION.
- AMERICAN ROOFING CONTRACTORS ASSOCIATION - ROOFING & METAL CONTRACTORS ASSOC. - ROOFING & METAL MANUAL, CURRENT EDITION.
- RAISE/EXTEND/RELOCATE CURENS, PENETRATION AND SERVICE LINES AS REQUIRED TO INSTALL ROOF SYSTEM.
- TECHNICAL ELECTRICAL AND PLUMBING WORK TO BE DONE BY LICENSED MECHANICAL/ELECTRICAL PLUMBING CONTRACTOR(S).
- PROVIDE GUARDING THE PROJECT SITE EACH DAY. THE CONTRACTOR SHALL REMOVE ALL SOLVENTS, PRIMERS, GLUES AND SEALANTS FROM THE SITE OR STORE THEM ON-SITE IN A LOCKED, VANDAL PROOF BOX.
- PROVIDE GUARDING THE PROJECT SITE EACH DAY. THE ROOF EQUIPMENT CURBS, FINISHED SLOPES OR CRICKETS TO BE 1/12-1/4" (3/8" IN) MINIMUM.
- PROVIDE GUARDING CONDUIT AND PIPE SUPPORTS FOR COMMUNICATION CABLES ROUTED ACROSS ROOF AREAS.
- CORRECT NON-COMPLIANT CONDITIONS PRIOR TO BEGINNING ROOF WORK.
- MAINTAIN TEMPORARY FACILITIES APPROPRIATE FOR ACTIVITIES IN PROGRESS.
- PREVENT MOULDE ACCUMULATION DURING ROOFING PROCESS.
- PREVENT MOULDE AND OTHER DAMAGE OCCURRING DURING CONSTRUCTION.
- MAINTAIN WEATHER RESISTANT PROVISIONS
- THE END OF EACH DAY'S WORK.

notes:

PRIOR TO HOT-AIR WELDING, CLEAN AND PREPARE THE WELD AREA OF THE BOOT AND ROOFING MEMBRANE PER MANUFACTURER'S RECOMMENDATION.

- JOINTS AND ROOFING MEMBRANE MUST BE CUT TIGHTLY AROUND PENETRATION BASE.
- EXTEND PIPEMENT AS REQUIRED TO PROVIDE 18" MIN. HEIGHT ABOVE FINISHED ROOF.
- PRE-MOLDED PIPE SEAL MUST HAVE INTACT RIB AT TOP EDGE REGARDLESS OF PIPE DIAMETER.
- FOLLOW SPECIFIC MEMBRANE MANUFACTURER'S REQUIREMENTS FOR SEAM FASTENERS AROUND PENETRATIONS.

notes:

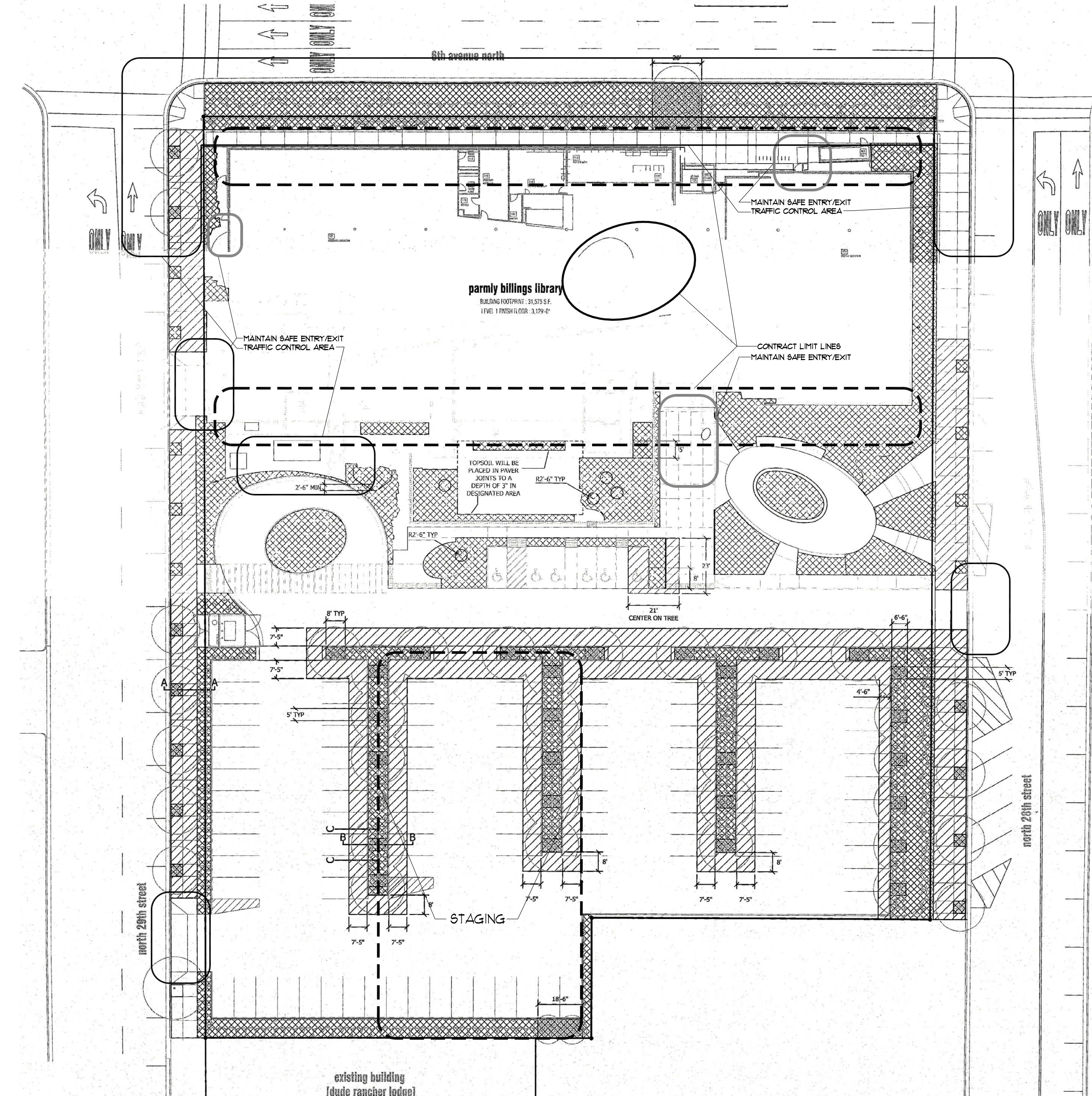
- REQUIREMENTS FOR SPECIFIC WALK-PAD INSTALLATION SUPERSEDE DETAIL.
- REFER TO MANUFACTURER'S SPECIFIC REQUIREMENTS FOR SEALANT ON CUT OR NON-ENCAPSULATED EDGES OF WALK-PAD.
- AVOID INSTALLING WALK-PAD OVER FIELD BEAMS AND FASTENER ROWS AND MUST BE GAFFED FROM THESE AREAS MIN. 6 IN.

note roof expansion joints:

CONTINUOUS EXPANSION JOINTS SHALL BE INSTALLED AT THE FOLLOWING LOCATIONS:

- BUILDING EXPANSION JOINTS
- SUBSTRATE EXPANSION JOINTS
- WHERE SIGNIFICANT STRUCTURAL MOVEMENT OCCURS, SUCH AS:
- CHANGES IN ROOF LINE
- CHANGES IN BUILDING SHAPE (OR STRUCTURAL SYSTEM)
- CHANGES IN ROOF DEPTH

4. SUBSTRATE MOVEMENT EXPANSION & CONTRACTION OF THE SYSTEMS AND ADJACENT MATERIALS SHALL BE TAKEN INTO ACCOUNT. THE CONTRACTOR SHALL CONSIDER THE FOLLOWING: CONSIDERATION OF SEALANT PROPERTIES, INSTALLATION CONDITIONS, TEMPERATURE RANGES, THERMAL COEFFICIENT OF EXPANSION OF MATERIALS, JOINT WIDTH TO DEPTH RATIOS & OTHER MATERIAL FACTORS.



site plan
1/8"=1'-0"

LEGEND:
 — CONTRACT LIMIT LINE
 - - - TRAFFIC CONTROL LINE
 - - - MAINTAIN EXIT ACCESS

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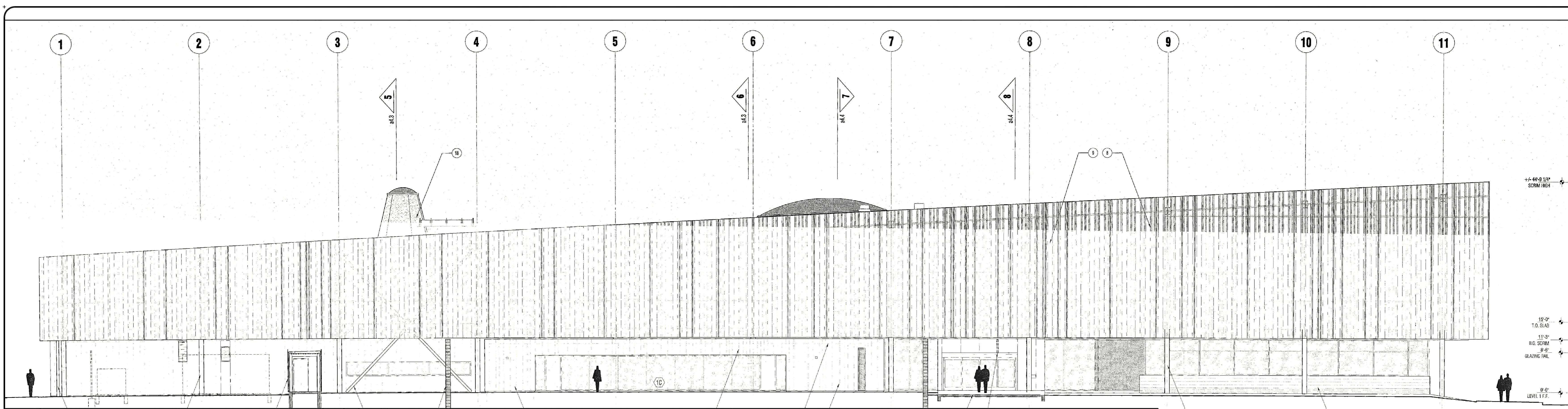
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Reviewed by: [initials]
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Project: SCRM & SKYLIGHT REPLACEMENT
Billings, Montana
510 North Broadway
Billings, Montana
Sheet title: PARTIAL ROOF PLAN
SKYLIGHT DETAIL
ALTERNATE - CLEARSTORY



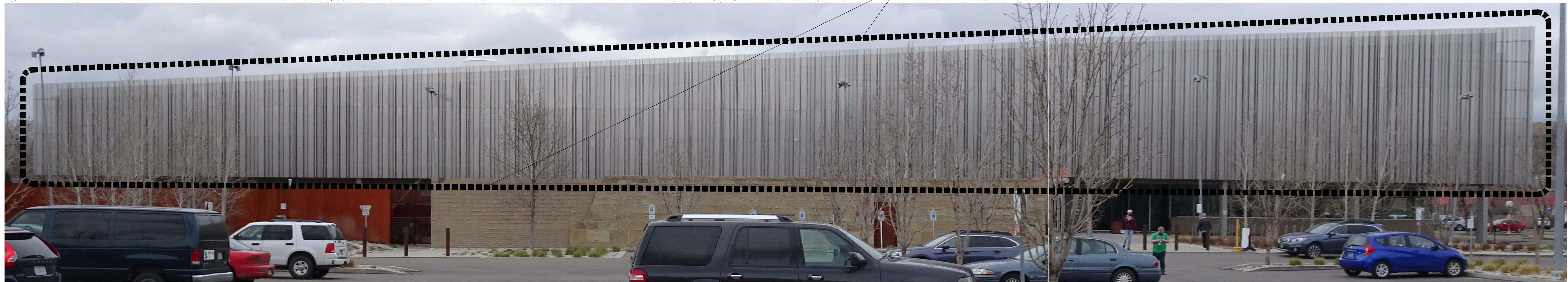
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material note legend:
 DIV.-5; METALS:
 DIV.-7; THERMAL & MOISTURE:



sheet notes		keyed notes	
A. TYPICAL NOTATION USED THROUGHOUT DRAWINGS. NOT ALL NOTED NOTES MAY APPLY TO A PARTICULAR SHEET. REPETITIVE / SIMILAR ELEMENTS NOTED ON ONE DRAWING MAY OR MAY NOT BE NOTED ON A SIMILAR RELATED DRAWING IN THE SERIES.	H. ALL PAINTED EXTERIOR STEEL IS TO BE PAINTED WITH HIGH PERFORMANCE PAINT. MATCH EXISTING.	1. NOT USED	6. NOT USED
B. BUILDING 0'-0" IS LEVEL 1 FINISH FLOOR. LEVEL 2 IS HIGH FLOOR IS 10'-0".	I. NOT USED	2. NOT USED	12. PAINTED TUBE STEEL BRACED FRAME PER STRUCTURAL.
C. UNDERGROUND CONSTRUCTION IS SHOWN FOR REFERENCE, SCALE, AND COORDINATION PURPOSES ONLY.	J. NOT USED	3. NOT USED	13. NOT USED
F. NOT USED	H. NOT USED	4. NOT USED	14. NOT USED
G. NOT USED	I. NOT USED	5. NOT USED	15. NOT USED
			16. SUSPENDED BUILDING SIGNAGE. INTERNALLY ILLUMINATED BETWEEN TWO PLANES OF SHEET MATERIAL.
			17. NOT USED
			18. NOT USED
			19. ETFE SKYLIGHT SYSTEM.
			20. NOT USED
			21. NOT USED
			22. NOT USED
			23. NOT USED
			24. NOT USED
			25. LINE OF ROOFING SURFACE BEHIND PARAPET (DASHED).
			26. NOT USED
			27. NOT USED
			28. NOT USED
			29. BUILDING SIGNAGE LOCATION. REPRESENTATIONAL ACTUAL GRAPHIC AND SIGN TO BE REMOVED AND REPLACED AS REQUIRED FOR PROJECT PURPOSES
			30. NOT USED

south elev.
1 a3.0 nts - reference drawing

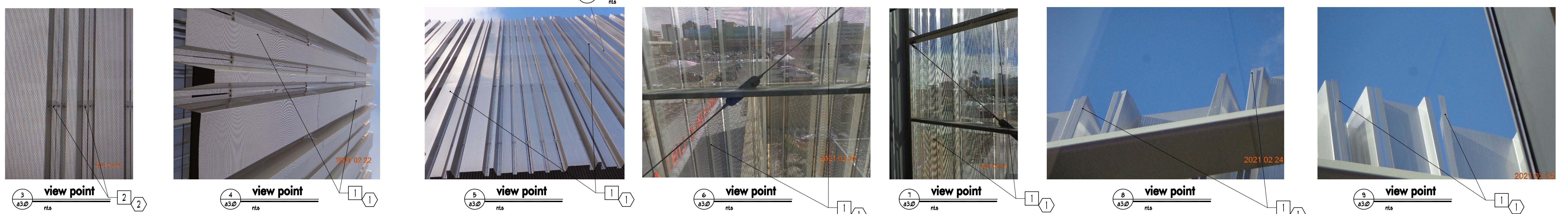


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contractor's signature date

no.	revision	by	date

project: SCRM & SKYLIGHT REPLACEMENT
BILLINGS PARKWAY
510 NORTH BROADWAY
BILLINGS, MONTANA
sheet title: EXTERIOR ELEVATION - SOUTH
PHOTOS & NOTES
KEYNOTES



DEMOLITION NOTES - SCRM/SCREEN

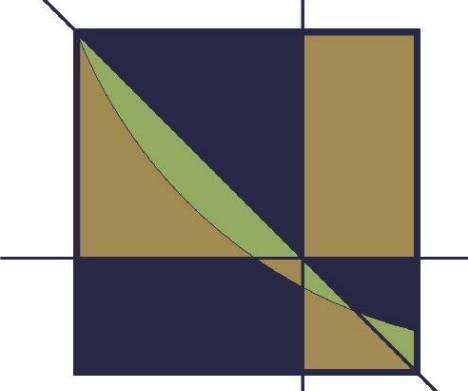
- 1 REMOVE EXISTING scrm/screen
- 2 REMOVE EXISTING trim, fasteners, washers etc.

INSTALLATION NOTES - SCRM/SCREEN

- 1 INSTALL NEW SCRM/SCREEN-SEE 5/A4.4, 6/A4.4, 7/A4.4 + 8/A4.4
- 2 INSTALL NEW ANGLE-SEE 6/A4.4
- 3 INSTALL NEW FASTENERS, WASHERS ETC. SEE 5/A4.4 + 7/A4.4
SEE SHEET A20 FOR: GENERAL, DEMO, & REPAIR NOTES
SEE SHEET A30 FOR VIEW POINT LOCATIONS

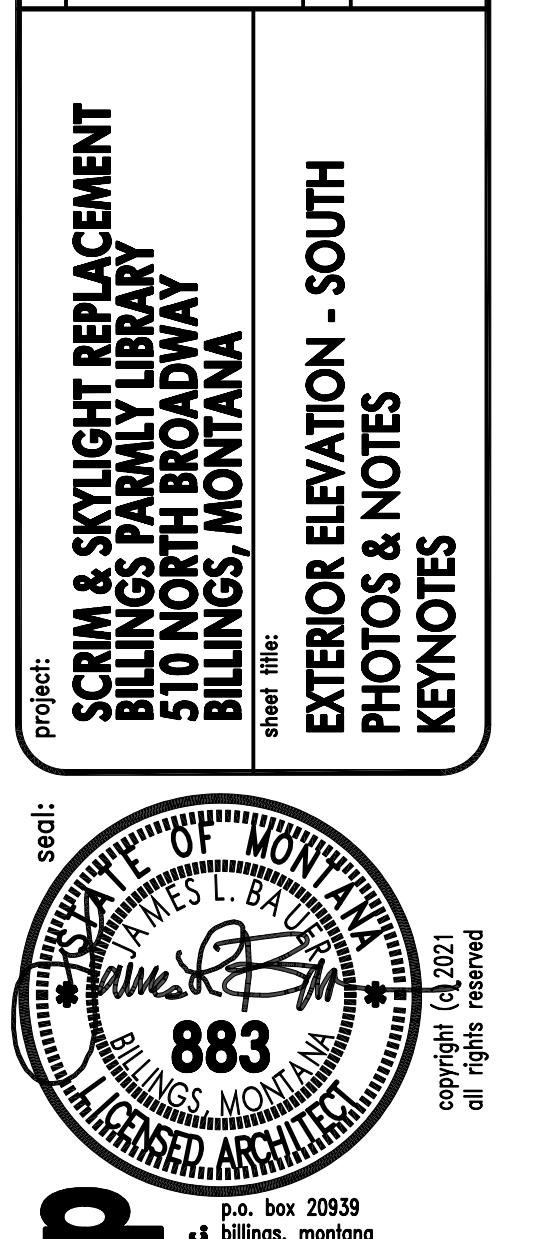
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Reviewed by: [Signature]

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Reviewed by: [Signature]



div.-5; METALS:

no.	revision	by	date





SEE SHEET A2.0 FOR: GENERAL, DEMO. & REPAIR NOTES
SEE SHEET A3.0 FOR VIEW POINT LOCATIONS

DEMOLITION NOTES - SCRIM/SCREEN

- REMOVE EXISTING scrim/screen
- REMOVE EXISTING trim, fasteners, washers etc.

INSTALLATION NOTES - SCRIM/SCI

- INSTALL NEW SCRIM/SCREEN-SEE 5/A4.4, 6/A4.4
- INSTALL NEW ANGLE-SEE 6/A4.4
- INSTALL NEW FASTENERS, WASHERS ETC.
SEE-5/A4.4 & 7/A4.4

GENERAL PROVISIONS AND SPECIFICATIONS
THE CONTRACT DOCUMENTS APPLY TO
THESE DRAWINGS.

Material note leg

- 5; METALS:
- 7; THERMAL & MOISTURE:

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sheet title:

**EXTERIOR ELEVATION- SECTION
PHOTOS & NOTES
KEY NOTES**

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JAMES L. BAUER
P.R.
James R. Bauer
883
BILLINGS, MONTANA
LICENSED ARCHITECT

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p. o. box 20939
billings, montana

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project no.:	date:
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sheet no.	designed: jb
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	reviewed: jb
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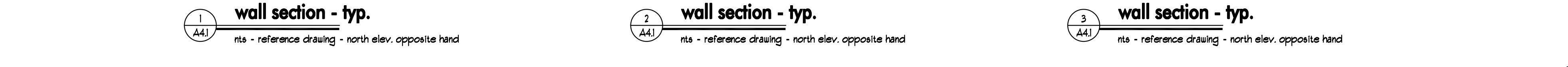
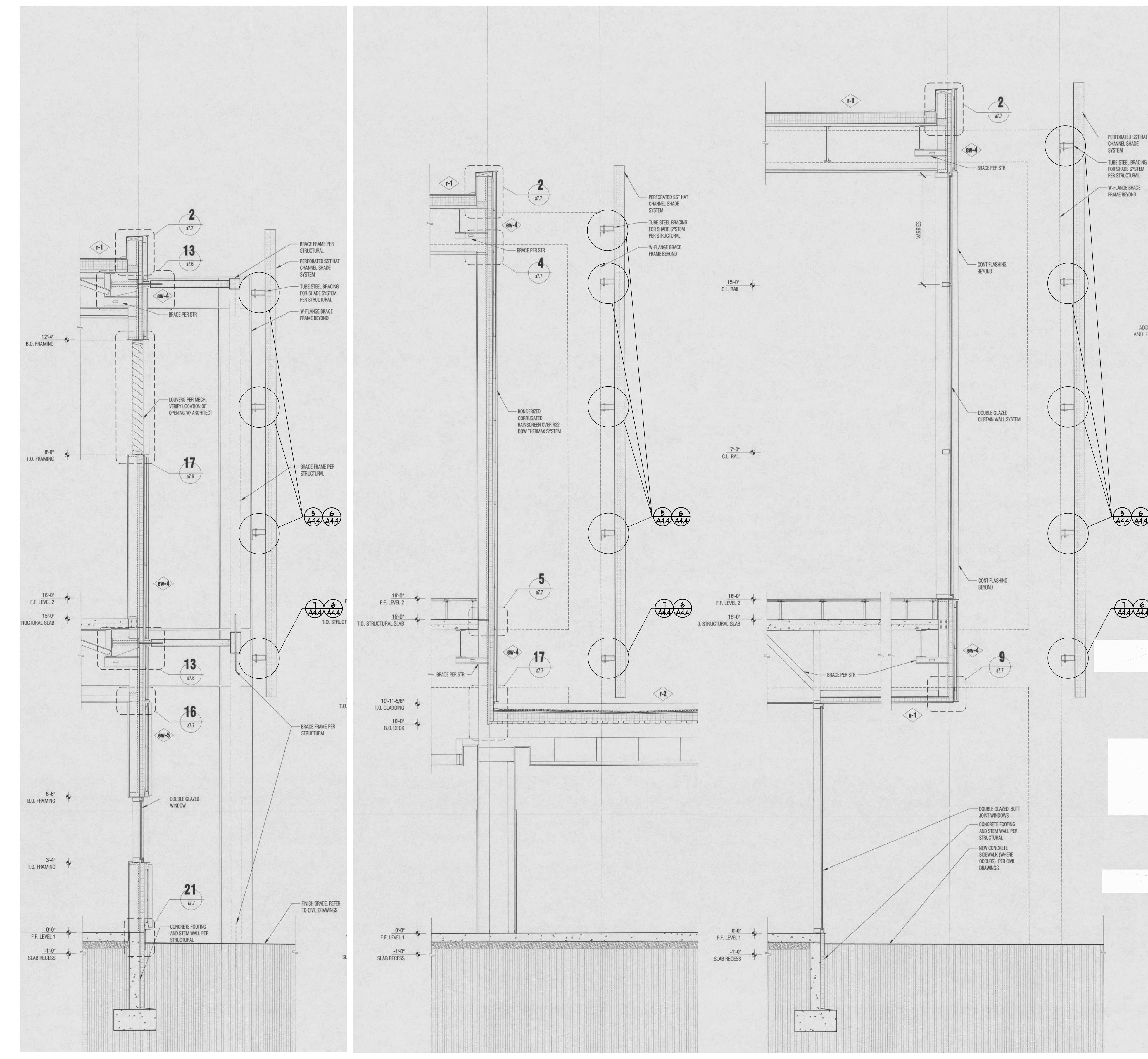
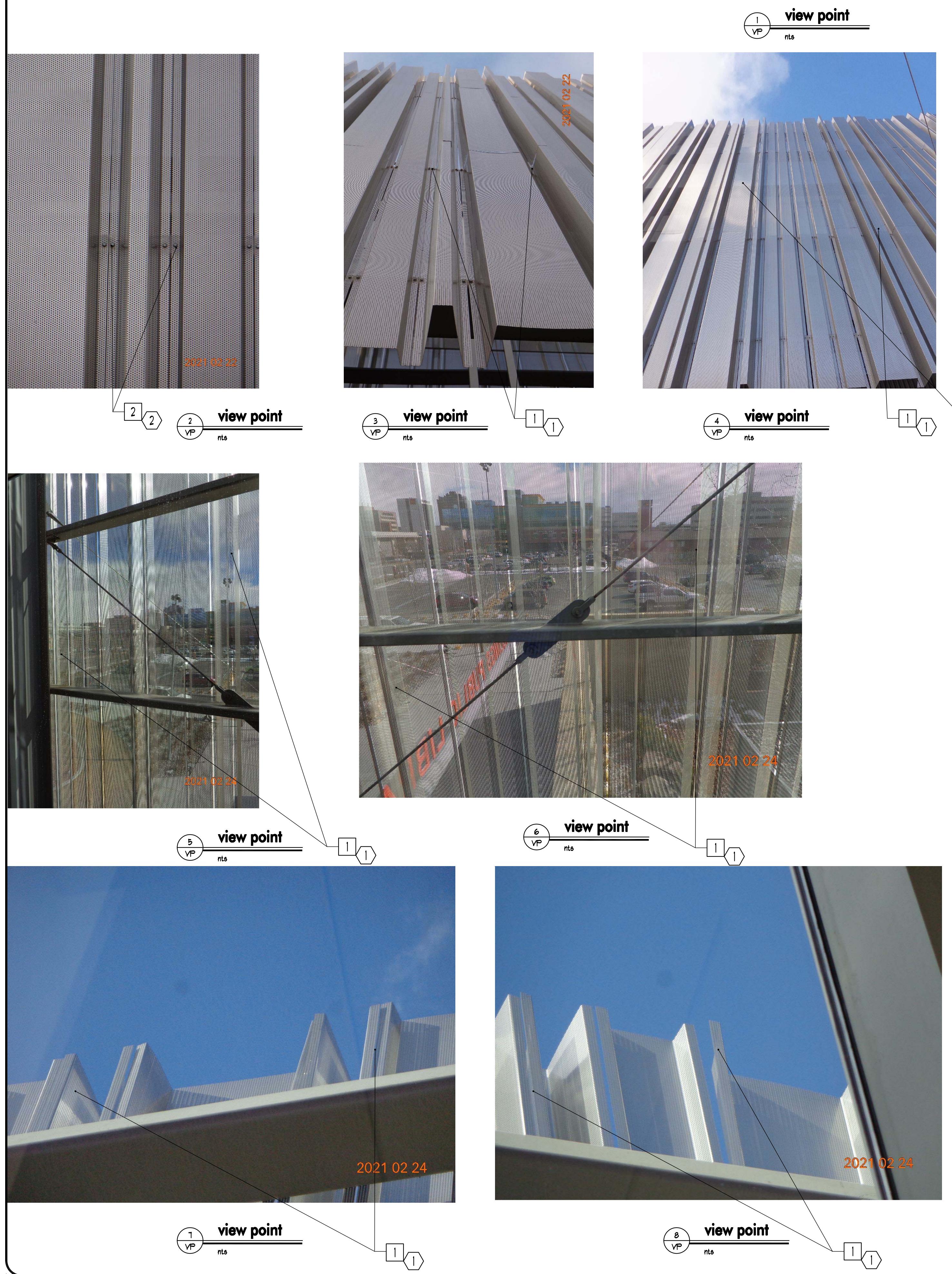
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10 of 10


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
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SECTION 05 70 00
ORNAMENTAL METALWORK

PART 1 GENERAL

1.01 SUMMARY

A. Section Includes:

1. Perforated stainless steel hat channel panels for screen at exterior elevations, elevator shaft and other locations as indicated on Drawings.
2. Metal mesh panels and at openings in 2" floor.
3. Casting at airlock and other locations in flat sheet.
4. Miscellaneous interior ornamental and artistic metalwork.

B. Subcontractor qualifications: Fabricate and install the work of this Section using a subcontractor having a minimum of 5 years experience in this type of work. Use adequate numbers of skilled workers who are thoroughly trained and experienced in the necessary crafts and who are completely familiar with the specific requirements and the methods needed for proper performance and desired aesthetic effect of the work of this Section.

C. Exposed ornamental and sheet metal and enclosure of typical conditions, colors of sealants, coordination with adjacent/fabricating materials to be site approved by Architect. Where appropriate, Architect will provide reviews at factory/fabrication site and final arrival at Building Site.

D. Pre-Installation / Pre-construction Conference: Contractor shall schedule a meeting with the Architect at the jobsite prior to construction of ornamental metal items to review the work to be provided. The purpose of the meeting will be to review the level of quality of work to be provided and to determine a schedule of inspections for attachments, insulation and other critical stages of the construction.

1.03 SUBMITTALS

A. Shop Drawings:

1. Submit Shop Drawings of proposed work of this Section.
2. Include plans, sections and elevations at not less than 1 inch to 1'-0" scale, and include details of connections at full size.
3. Exposed ornamental: Submit drawings showing layouts, sizes, gauges, methods of construction and installation, including sizes and types of fastening devices, and other details as necessary to erect a weathertight assembly.

B. Product Data: Submit product data for proprietary items used.

SECTION 08 63 00
METAL FRAMED SKYLIGHTS

PART 1 GENERAL

1.01 SUMMARY

A. Section Includes:

1. ETEF Skylight at Oculus.
2. Custom formed polycarbonate ellipsoid with perimeter flange at Story Tower:

 - a. Design and fabrication of fasteners of skylight system, including structural calculations for the skylight system.
 - b. Installation of the skylight system.
 - c. Other materials including sealants, fasteners, and other accessories required for a complete installation.

B. System Performance Description

C. Thermal Movement: provide for expansion and contraction of materials so there will be no objectionable distortion when subjected to a temperature of +/- 50 degrees F.

D. Condensation: System shall have integral gutters and weeps that drain condensation to exterior; integral within skylight system.

E. Thermal Movement: provide for expansion and contraction of materials so there will be no objectionable distortion when subjected to a temperature of +/- 50 degrees F.

F. Provide fasteners with a 4:1 safety factor when fully loaded.

G. Loading requirements: The skylights shall be designed for the loads specified by the building codes. Skylight substructures must resist the thrust loads imposed by the skylight system.

1.03 SUBMITTALS

A. Submit structural calculations showing compliance with local codes and system requirements, stamped by a licensed engineer in the state where the project is to be installed.

B. Submit complete shop drawings showing all details and elevations of the skylight system, including anchoring, glazing materials, sealant and flashing.

1.04 QUALITY ASSURANCE

A. Manufacturer shall have 10 years of practical experience in the fabrication and installation of custom framed skylights.

1.05 WARRANTY

A. ETEF Skylight at Oculus: The period of limitation for a building structure amounts to 4 years and 2 years for mechanical, moving or electrical installations or parts of them. Installation of the skylight system.

B. Custom formed polycarbonate ellipsoid with perimeter flange at Story Tower:

- a. Warrant the skylight system to be free from defects in workmanship and materials for a period of 10 years from the date of final completion of the skylight. Warrant the dome materials against defective materials and seal failure per the dome manufacturer's warranty.

PART 2 PRODUCTS

2.01 ETEF SKYLIGHT AT OCULUS

A. Manufacturer and Product: TEXLON® System as designed and fabricated by Vector Foiltec, Cohoes, NY (518) 763-9575 www.vector-foiltec.com

B. Primary Structural Framework:

1. Steel round hollow section beams, dimensions according to structural and constructional requirements.
2. Steel longitudinal beams dimensions according to structural and constructional requirements.
3. Include bracing as required below the foil level.
4. Provide anti-corrosive treatment.
5. Include galvanized fasteners for a steel construction with bolted connections.

C. Cladding System: To be formed from 3 rectangular ETEF foil cushions, including; but not limited to:

1. TEXLON ETEF foil cushions: Three layers of ETEF foil per cushion, welded around the perimeter. The ETEF thickness shall be between 100 microns and 250 microns, according to the manufacturer's specification. The foil shall be translucent, colored, and transparent to match Architect's approved sample. Foil shall be Class A rated in accordance with the requirements of NFPA 101, and UL 1015.
2. TEXLON® Aluminum Framework: Two-part aluminum profile with two levels for draining water, including seal and thermal-break layers. The aluminum profile shall be anodized.
3. TEXLON® Air Supply System: The system shall generate, distribute and monitor air supply. Provide the following component parts as required:
 - a. Differential pressure switches to monitor and control low pressure air supply.
 - b. PVC (or otherwise specified) air distribution system sized as required, with 1 or 2 inch dia. ETEF connector tubes in clear or black.

2.02 MATERIALS AND FABRICATION - CUSTOM FORMED POLYCARBONATE ELLIPSOID WITH PERIMETER FLANGE AT STORY TOWER

A. Rolled steel angles: In accordance with Section 05 50 00 - Metal Fabrication of sufficient size and thickness for the application.

B. Glazing accessories shall include glazing tapes, setting blocks and sealant of the type and quality to provide performance and serviceability of the skylight system.

C. Galvanized Flashing: In accordance with Section 07 60 00.

D. Fasteners: Fasteners used for the attachment of exterior cap retainers shall be corrosion resistant. All other fasteners shall be zinc plated steel unless otherwise specified.

E. Other: Custom formed polycarbonate ellipsoid as manufactured by Architect. Thermoplastic, Inc. (518) 663-1060 www.thermoplastic.com. Color transparency and thickness as selected by Architect from manufacturer's standard material offerings and as required for a dome that meets code requirements.

PART 3 EXECUTION

3.01 INSTALLATION

A. Installation shall be under the direction of the skylight manufacturer and by an approved sub-contractor.

B. Verify dimensions of skylight support structure prior to proceeding with fabrication. Installer shall notify the General Contractor of dimensional errors in the support structure. Installation shall not proceed until dimensional errors are corrected in the field or a written notice to proceed is given to proceed with the "as-built" conditions.

C. Skylight materials shall be installed in accordance with the manufacturer's erection drawings and recommendations.

D. Contact areas between aluminum and dissimilar materials shall be isolation with a protective material to prevent electrolytic corrosion.

E. Apply sealants as recommended by the manufacturer.

F. ETEF Skylight at Oculus:

1. Provide connection of the electrical TEXLON® components (generating gas for pressure, power, electric motors, electrical components for the smoke and heat venting installation, etc.) in accordance with requirements of Division 26.
2. Miscellaneous interface penetrations or connections necessary thru adjacent structure or finish materials shall be provided to provide routing and access for air supply piping.

3.02 CLEANING

A. Clean glass and frame upon completion of the skylight installation.

B. Final cleaning, if required, subsequent to completion of the skylight installation, is not to be performed by the manufacturer.

3.03 PROTECTION

A. The skylight manufacturer does not provide or include any temporary protection for the skylight system after completion of the installation. Protection of the skylight system from other trades, after completion of the installation, shall be the responsibility of the General Contractor.

END OF SECTION

ADD THE FOLLOWING TO SECTION 125 PROJECT CONDITIONS:

B. DESIGN CRITERIA & CRIN

Guides: 102ga minimum
Provide clear plate (no perforations in scrim) • tube frame if needed to meet climatic conditions.
Wind: 15 mph
Hall: 2' dia. +/-
Temperature range: -40 degrees F to 110 degrees F
Follow-up:
Check connections (tighten) once per year for 3 yrs. following installations

CONTRACTOR'S REVIEWED AND ACCEPTED FOR CONSTRUCTION - SIGN AND DATE ALL SHEETS BELOW

Contractor's signature _____ Date _____

SCRM & SKYLIGHT SPECIFICATIONS NOTES

sheet: 883
project: SCRM & SKYLIGHT REPLACEMENT BILLINGS, MONTANA
sheet title: SCRM & SKYLIGHT SPECIFICATIONS NOTES

bauer group
architects, llc
Project no.: 17101
Date: 1/1/20
sheet no.: 883
Design: JG
Drawn: JG
Reviewed: JG
Architect: Bill Greene P.E.
Phone: (406) 259-8234
Fax: --

GENERAL PROVISIONS AND SPECIFICATIONS OF THE CONTRACT DOCUMENTS APPLY TO THESE DRAWINGS.

material note legend:

- DIV-5: METALS:
- DIV-7: THERMAL & MOISTURE:

ADD THE FOLLOWING TO PART 2 PRODUCTS:

7.24-SOURCES:
IN ADDITION TO ROLLFAB 4 METAL WORKS THE FOLLOWING OR EQUAL MAY BE PRODUCT SOURCES:
TECH-5, ANCHOLS, BEST MATERIALS, SHG, DUPREE OR SHG, AR FABRICATION: BRIDGER STEEL, PROTECH, WMK OR SIMILAR