Bulletin Number - BP3 Goldwalk - 02

Gensler

Project	Steamboat Base Village Redevelopment	**Date**	06/29/2021
Project Location	Steamboat, Colorado	**Architect's Project Number**	03.7835.000
Owner/Client	Alterra Mountain Company / East West Partners	**File** 6BL	**This is page** 1 of 6
To	Saunders Construction Inc.	**Attention**	Bryan Sculthorpe
Address	86 Inverness Place North		
City	Englewood	**State** CO	**Zip Code** 80112

Delivered via:

☐ **Messenger**	☐ **Hand carried**	☐ **Facsimile**
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☐ **Mail**	☐ **UPS**	☒ **Website Address** BIM360

This Bulletin Conveys to Contractor (Check one of the following five choices.):

☐ **Architect's Authorization for Minor Changes**
Architect recommends modifications to the Work as described below.

☐ **Architect's Clarification / Supplemental Instructions** (Use this Bulletin form in place of *Architect's Supplemental Instructions* form.)
Contractor shall carry out the Work in accordance with the following supplemental instructions.

☐ **Architect's Confirmation of a Field Order** (Use this Bulletin form in place of a *Field Order* form.)
This confirms Architect's verbal instructions to (individual's name) _____ on (date) _____, as described below.
Note: The above three choices are each subject to the following terms: The change(s), clarification(s) and/or confirmation(s) described below is/are issued in accordance with the Contract Documents, without change in Contract Sum and/or Time.

☒ **Architect's Request for Contractor's Proposal** (Use this Bulletin form in place of an *Estimate Request* form.)
Please submit an itemized proposal for changes in the Contract Sum and/or Time for proposed modifications to the Contract Documents described herein. Submit proposal **within** _____ **days** or notify the Architect in writing of the date on which you anticipate submitting your proposal. This is not a Change Order or a Construction Change Directive or a direction to proceed with the Work described in the proposed modifications.

☐ **Other:** As described below.

Attachments BP3 GOLDWALK - BULLETIN 02

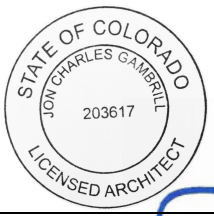
Requested by
☒ Architect ☐ Owner ☐ Contractor ☐ Other (specify): _____

Issued by Gensler by Jacob Apple **Date Signed** 06/25/2021

Issued by Owner by **Date Signed**
☐ Required; Please return signed copy to Gensler ☐ Not Required

Accepted by Contractor by **Date Signed**
☐ Required; Please return signed copy to Gensler ☐ Not Required

Distribution
Bryan Sculthorpe
Greg Morgan
Adam Cleveland
Ryan Stone
Mike Schmidt
John Albright
Gregg Riker



Prepared by Gensler by Jacob Apple **Date Signed** 06/25/2021

Instructions / Description / References / Dates

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Description of Changes:
General: This bulletin addresses a revised boiler room equipment layout and some egress components related to the boiler room. It also provides revisions and clarification to the art wall at Gold Walk level:

Landscape Drawing Changes:

1. 1B-3-01 Site Materials Plan - Light pole locations (F9) shifted along Sheraton wall as a result of proposed concrete structural curb below Gold Walk paving. These new post locations resulted in a slight shift of string light locations.
2. 1B-4-01 Site Layout Plan - Northings and Eastings adjusted to reflect new light pole locations.
3. 1B-L6-01 Site Lighting Plan - Linear dimensions between light poles revised to capture ne post spacing.
4. 1B-L7-01 Site Details
    a. Section 5 revised to show structural curb. Reference Architectural drawings for additional details.

Structural Drawing Changes:

1. 1B-S1.01
    a. Plan 1:
        i. Wall thickness dimension along L.8 is added for clarification.
        ii. F6x8.83A footing marks are revised per RFI016.
        iii. CMU wall locations and openings are revised to match architectural.
    b. Elevation 3:
        i. Top of pilaster and wall elevations are added for clarification.
2. 1B-S1.02
    a. Plan 1:
        i. Top of steel note is modified per RFI017.
3. 1B-S1.03
    a. Plan 1:
        i. Elevator beam dimension is revised per RFI006.
        ii. Shear stud counts on steel girders along grid M are added.
        iii. New concrete curbs are added for art wall, and light pole locations are revised per Landscape.
        iv. Detail 4/1B-S5.03, 10/1B-S3.02, and 5/1B-S3.02 are added for art wall and light pole requirements from Landscape.
        v. South slab edge along grid L is revised per RFI012.
        vi. Detail 14/1B-S5.02 type A and type B is revised per RFI011.
4. 1B-S1.04
    a. Plan 1:
        i. Dimension is removed per RFI019.
        ii. North arrow is added for clarification.
    b. Elevation 2:
        i. Dimension is added per RFI019.
        ii. Minimum glulam depth is clarified to match the reviewed shop drawing.
        iii. Top of pilaster and wall elevations are added for clarification.
5. 1B-S1.05:
    a. Detail 11:
        i. Plate geometries are updated per architectural.
        ii. Plate thicknesses are reduced at the clevis connections.
        iii. Steel rod grade is added for clarification.
    b. Detail 12:
        i. Grid dimensions are revised per RFI024.
        ii. Embed DAS locations are clarified per RFI012.
        iii. Plate geometries are updated per architectural.
    c. Detail 14:
        i. C8x13.7 channel size is added per RFI019.
    d. Detail 15:
        i. Angle connections are removed. All HSS beams to be welded all around for consistency. Erection angle/plates can be added by contractor.
    e. Detail 17:
        i. Plate geometries are updated per architectural.
        ii. HSS shape is changed to HSS4.00x0.313 round per contractor's request in the reviewed shop drawing.

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iii. Bearing plate is removed, HSS round is directly welded to the HSS girder.

f. Detail 19:

i. Angle connections are removed. All HSS beams to be welded all around for consistency. Erection angle/plates can be added by contractor.

6. 1B-S2.00
   a. Elevation 3:
      i. Steel beam locations are revised per RFI024.
   b. Elevation 4:
      i. Pocketed beam graphic and detail is clarified.
7. 1B-S3.01:
   a. Detail 4
      i. F6x8.83A footing size is clarified per RFI016.
   b. Detail 9
      i. Details are modified per RFI006, RFI011, and RFI015.
   c. Detail 10
      i. Footing reinforcement are added to match the reviewed shop drawing.
8. 1B-S3.02:
   a. Detail 9:
      i. Concrete topping stair slab reinforcement and dowels are added for clarification.
   b. Detail 10
      i. Detail is added.
   c. Detail 11:
      i. Detail is added.
9. 1B-S3.50:
   a. Detail 3:
      i. Bar length is added per RFI023.
   b. Detail 7:
      i. Bar length is added per RFI 023.
   c. Detail 9:
      i. W18 embed size is added per RFI023.
10. 1B-S5.02:
    a. Detail 2:
       i. Post sizes, base connections, and height are revised.
    b. Detail 6:
       i. 2 1/2" max grout thickness is clarified per RFI024.
    c. Detail 7:
       i. post installed methods are changed per RFI024.
    d. Detail 8:
       i. Concrete curb is added for art wall per Landscape.
       ii. Steel beam dimensions are clarified per RFI015.
    e. Detail 14:
       i. Base plate size is revised per RFI024.
       ii. Grout thickness is revised per RFI011.
       iii. Steel beam studs and grout solid requirement is added.
    f. Detail 17:
       i. New stair connection to steel slab edge is revised per RFI012.
11. 1B-S5.03:
    a. Detail 4: Pole base connection to steel beams is added.
    b. Detail 10: Clearance and opening dimensions are added per RFI011 and RFI015.

Architectural Drawing Changes:

1. 1B-G3.101 – EGRESS & OCCUPANCY PLAN – LEVEL 01
    a. Detail 01 – Common path of travel, egress travel distances, and distance between doors revised to reflect the second egress door from the boiler room. Updated path of travel routes from storage areas to reflect the latest floor plan
2. 1B-G6.001 – DOOR SCHEDULE AND DETAILS
    a. Door Schedule – Removed double door GW100B boiler room from project. Added single door GW100E as a second means of egress. Added door GW100F at server room which is an existing door that requires to be flipped.
    b. Hardware Set
        i. Added thermally broken threshold to Set #30
        ii. Removed door GW100B from Set #31
        iii. Added single door GW100F to set #34
        iv. Added hardware set #001 with flipped door GW100G
3. 1B-A1.101 – GOLD WALK – CONSTRUCTION PLAN – LEVEL 01
    a. Detail 01 – Removed double door GW100B boiler room from project. Extended corridor and added single door GW100E as a second means of egress. Added door GW100F at server room which is an existing door that requires to be flipped. Added step in front of door GW100F to make up for grading level change. Added grease and sand and oil interceptor to plan.
4. 1B-A1.103 – GOLD WALK – CONSTRUCTION PLAN – LEVEL 02
    a. Added boiler intake and flues to plan. Added new structural openings to plans. Revised flue shaft location.
5. 1B-A1.103 – GOLD WALK – CONSTRUCTION PLAN – LEVEL 03
    a. Construction Plan – Level 03
        i. Added light pole locations, added note 55
        ii. Added note 56 referencing termination of EJ2
6. 1B-A1.201 – GOLD WALK – REFLECTED CEILING PLAN
    a. Detail 02 – Removed double door GW100B boiler room from project. Extended corridor and added single door GW100E as a second means of egress. Added door GW100F at server room which is an existing door that requires to be flipped. Added split system condensing unit locations along grid line K per mechanical drawings. Added note 07 in reference to condensing units. Added existing condensers, proposed air intake ductwork, and note 08 to plan. Added flue & intake openings to plan.
7. 1B-A3.000 - GOLD WALK – BUILDING SECTIONS – STAIR & ESCALATOR
    a. Section – Main Stair & Section – Escalator - Revised floor assembly tags at escalator and mechanical pit
8. 1B-A3.002 – GOLD WALK – BUILDING SECTIONS – GOLD WALK
    a. Detail 01 - Added split system condensing unit locations along grid line K per mechanical drawings. Added note 50 in reference to condensing units.
9. 1B-A4.001 – GOLD WALK – WALL SECTIONS – STAIR & ESCALATOR
    a. Wall Section 01 - Revised beam location per RFI-029
10. 1B-A5.001 – GOLD WALK – ENLARGED PLANS & ELEVATIONS - GOLDWALK
    a. Wall Section 01 - Revised stair treads and dimensions per zRFI 5.4
    b. Exterior Elevation 04 – Added existing condenser units and note 54
11. 1B-A6.003 – GOLD WALK – DETAILS
    a. Detail 02 – Added concrete curb, light pole base and location, and light pole height
    b. Detail 05 – Added concrete curb, light pole base and location, and light pole height
    c. Detail 08 – Revised EJ1 to include secondary weatherproof barrier and stainless steel cover plate
    d. Detail 09
        i. Revised EJ1 to include secondary weatherproof barrier and stainless steel cover plate
        ii. Revised stucco on existing wall per BP2A – RFI 006

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Mechanical Drawing Changes:

1. Sheet 1B-M1.201
    a. Removed fan coils.
    b. Added split system air conditioners and condensing units.
    c. Revised boiler room layout.
2. Sheet 1B-M4.000
    a. Removed fan coils.
    b. Added split system air conditioners and condensing units.
    c. Revised boiler room layout.
3. Sheet 1B-M5.001
    a. Removed fan coils.
    b. Added split system air conditioners and condensing units.
    c. Revised boiler room layout.
4. Sheet 1B-M7.001
    a. Removed fan coils control sequence.
    b. Added split system air conditioners and condensing units sequence.
5. Sheet 1B-M7.002
    a. Revised boiler diagram for reduced boiler quantity.
6. Sheet 1B-M8.001
    a. Removed fan coil detail.
7. Sheet 1B-MEP0.000
    a. Removed (2) boilers and their associated pumps.
    b. Revised heat exchanger.
8. Sheet 1B-MEP0.001
    a. Removed fan coils.
    b. Added split system air conditioners and condensing units.

Plumbing Drawing Changes:

1. Sheet 1B-P1.201
    a. Revised location of grease interceptor (GI-1) and all associated piping.
    b. Revised location of sand/oil interceptor (SOI-1) and all associated piping.
    c. Revised locations of all floor sinks in Boiler Room GW100 and all associated piping.
    d. Revised gas load information and associated boiler room gas piping for reduced boiler count.
    e. Revised routing of overhead vent piping to accommodate revised interceptor and drain layouts.
    f. Revised routing of underground sanitary sewer piping due to conflicts with existing underground utilities found on site.

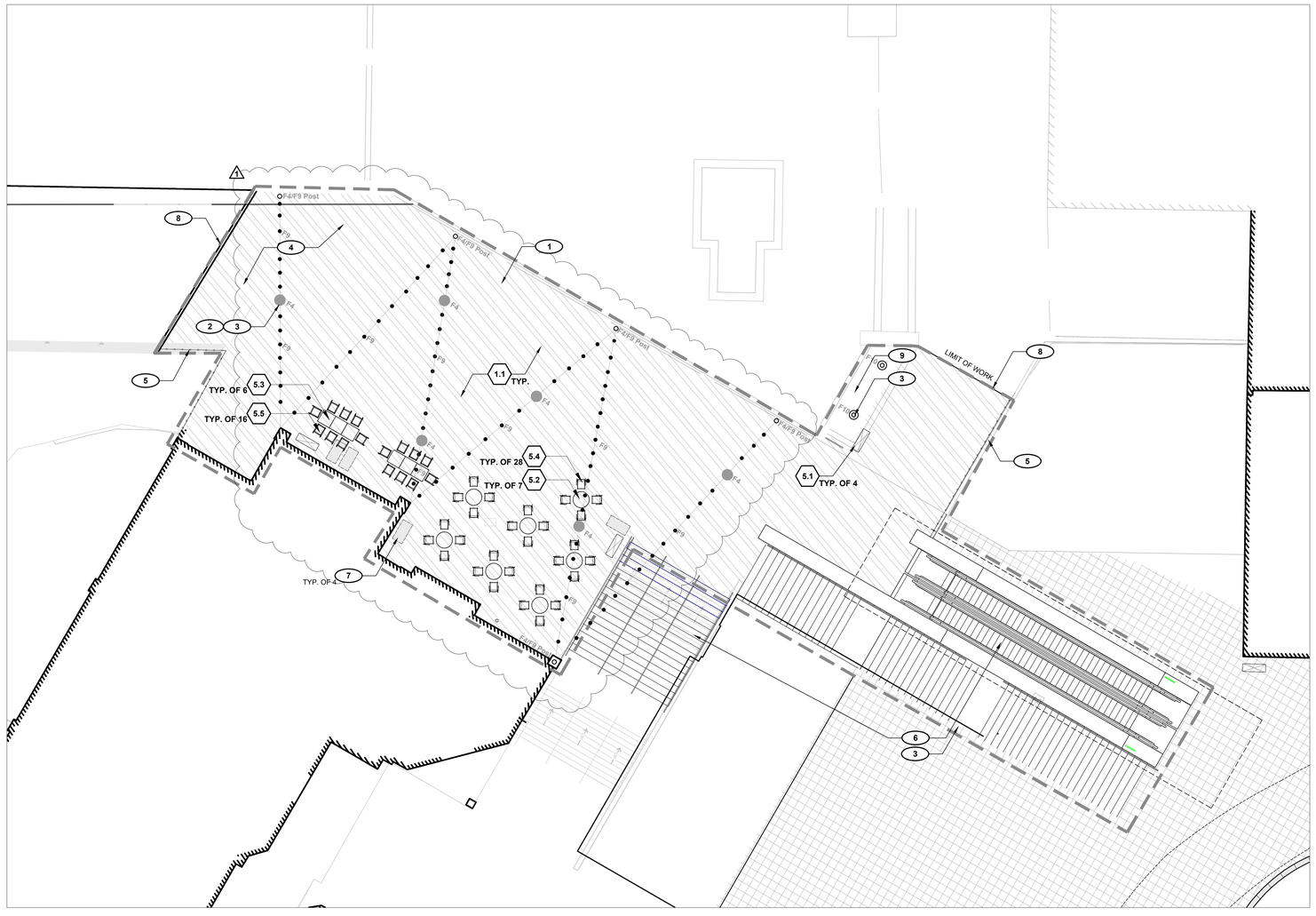
Electrical Drawing Changes:

1. Sheet 1B-E0.001
    a. Upsized Transformers and associated feeders serving Boiler Room and Gold Walk to feed added loaded from mechanical VE reconciliation.
    b. Modified Keynotes for added clarity. Keynotes edited are 6 and 10.
    c. Added line weight legend for existing vs. new work for added clarity.
    d. Added spare breaker capacity in MDS to align with submittal comments.
    e. Clarified metering type with keynote 2 for branch circuit metering to match metering on rest of project.
2. Sheet 1B-E0.003
    a. Modified branch circuiting per mechanical VE reconciliation.

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   b. Modified panel sizes and respective sub-feed breakers for increase in electrical load due to mechanical VE reconciliation.
   c. Added circuits for escalator canopy heat trace, snow melt glycol feeder to align with other disciplines CD issuance.
3. Sheet 1B-E1.201
   a. Relocated Snow Melt Electrical connection and schedule per snow melt system CD's.
   b. Modified electrical floor plans to align with mechanical VE reconciliation.
   c. Modified fire alarm notification for added egress out of boiler room.
4. Sheet 1B-E1.203
   a. Added circuits for escalator canopy heat trace and replaced Sheraton sign to align with other disciplines CD issuance.
5. Sheet 1B-E2.201
   a. Modified lighting controls devices to align with revised door locations throughout Gold Walk scope.
   b. Relocated exit sign for coordination with electrical equipment. Added (2) exit signs for modified egress out of Boiler Room.
   c. Modified lighting control matrix for added clarity on automatic on/off within spaces.
6. Sheet 1B-E4.000
   a. Relocated Snow Melt Electrical connection and schedule per snow melt system CD's.
   b. Modified electrical floor plans to align with mechanical VE reconciliation.

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SITE KEYNOTES:

		DETAIL / SHEET	RELATED DETAILS	SPEC. SECTION
1.0	**PAVEMENTS, RAMPS, CURBS**			
1.1	Unit Paving Type 4: At Gold Walk	1/ 1B-L7-01	2,3,4,5/1B-L7-03	321400
2.0	**JOINTING**			
2.1	Sand Joint	2/ 1B-L7-01		321400

3.0 STEPS

Not used at this time. Refer to Architectural drawings.

4.0 SITE WALLS/ EMBANKMENTS

Not used at this time.

5.0 SITE FURNITURE

5.1	Trash Receptacle	By Owner
5.2	Table Type 1: moveable, dining height	By Owner
5.3	Table Type 2: moveable, standing height	By Owner
5.4	Chair Type 1: moveable, bistro	By Owner
5.5	Chair Type 2: moveable, bar stool	By Owner

6.0 RAILINGS, BARRIERS, FENCING

Not used at this time

7.0 SITE LIGHTING

Refer to Site Lighting Series

8.0 DRAINAGE

Refer to Civil Drawings

9.0 PLANTING AND LANDSCAPE

Not used at this time

10.0 MISCELLANEOUS ELEMENTS

Not used at this time

SITE MATERIAL REFERENCE NOTES

1. Refer to CIVIL for drainage structure information.
2. Refer to ELECTRICAL for electrical information.
3. Refer to L6 Lighting Series for lighting information.
4. Provide Water and Electrical for temporary connection to food and beverage carts.
5. Refer to ARCHITECTURE for railing
6. Refer to ARCHITECTURE for stair and escalator.
7. Snowmelt manifold, box, and Wundercover - refer to MECHANICAL.
8. Proposed paving to be flush with adjacent existing paving.
9. Existing to remain.

NOTE: Refer to General Information Sheet 1B-L0-03 for General and Series Specific Notes, Legends, Abbreviations, Lists and Schedules.

NORTH

0 5' 10' 20'

ORIGINAL SCALE: 1"=10'-0"

Steamboat

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△	Date	Description
-	2021.05.19	BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
1	2021.06.25	BP3: GOLDWALK - BULLETIN 02

Seal / Signature

JAMES FOGLE 130 — 11/17/2008 Original Date of Licensure — 6.23.21 — STATE OF COLORADO LICENSED LANDSCAPE ARCHITECT

Project Name

BP3 GOLDWALK PERMIT AND CONSTRUCTION

Project Number	DW Project Number
003.7835.000	6466

Description

BP3: GOLDWALK - ISSUE FOR BID AND PERMIT

SITE MATERIALS PLAN

1B-L3-01

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SITE LAYOUT REFERENCE NOTES

1. Align unit paving pattern with wall.
2. Existing to remain. Do not disturb.
3. Final location to be determined in the field by the Resort.



NOTE: Refer to General Information Sheet 1B-L0-03 for General and Series Specific Notes, Legends, Abbreviations, Lists and Schedules.

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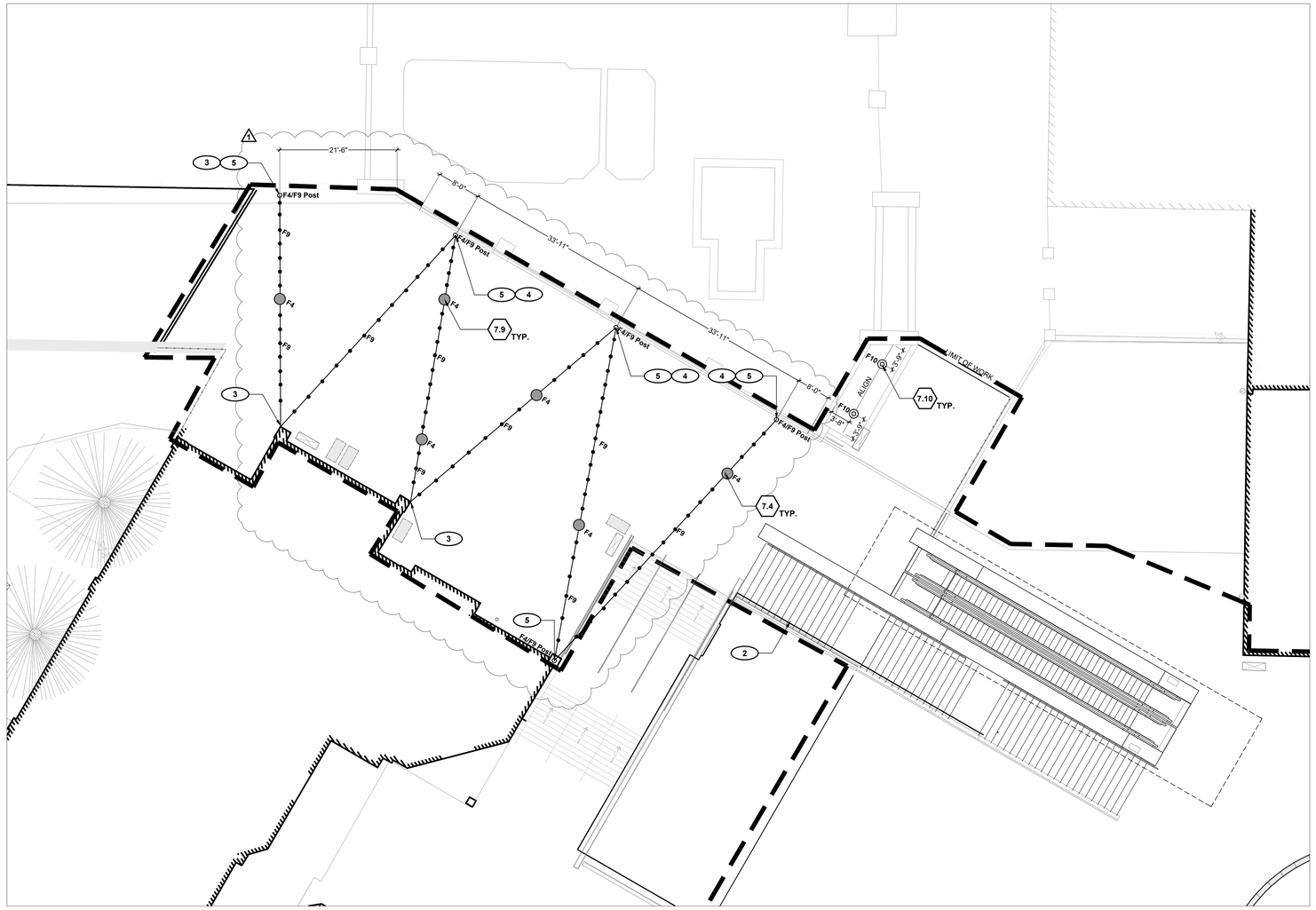
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SITE LAYOUT PLAN

1B-L4-01

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SITE KEYNOTES:

		DETAIL / SHEET	RELATED DETAILS	SPEC. SECTION
7.0	**Lighting**			
7.4	Catenary Down Light (F4)	Ref Electric		26 50 00
7.9	Catenary Attached Holiday Lights (F9)	Ref Electric		26 50 00
7.10	Round Bollard (F10)	Ref Electric		26 50 00

SITE LIGHTING REFERENCE NOTES

1. Refer to L0-03 - General Information Sheet for fixture list and lighting schedule (TYP).
2. Reference Electrical Drawings for stair, escalator, and escalator canopy lighting, controls, power distribution, receptacle locations, and emergency lighting (TYP).
3. Reference Structural Engineering drawings for catenary support information including pole and building anchors (TYP).
4. Catenary poles are located between Art Wall and hotel wall. Contractor to allow for access to pole. See structural engineering drawings for details.
5. Catenary pole to be located over and fastened to existing foundation structure, Contractor to verify exact locations with structural engineer. See mounting details in structural engineering drawings.

NOTE: Refer to General Information Sheet L0-04 for General and Series Specific Notes, Legends, Abbreviations, Lists, Schedules, and Mockup details.

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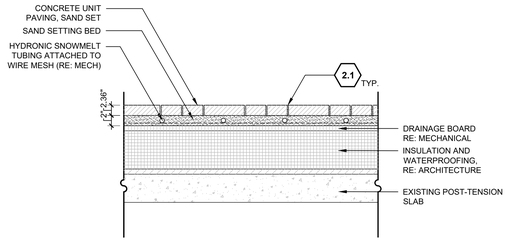
Description

BP3: GOLDWALK - ISSUE FOR BID AND PERMIT

SITE LIGHTING PLAN

1B-L6-01

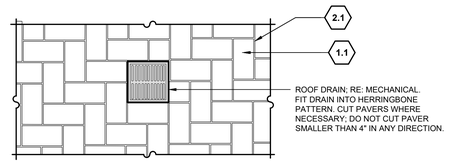
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1 Unit Paving Type 3: At Gold Walk

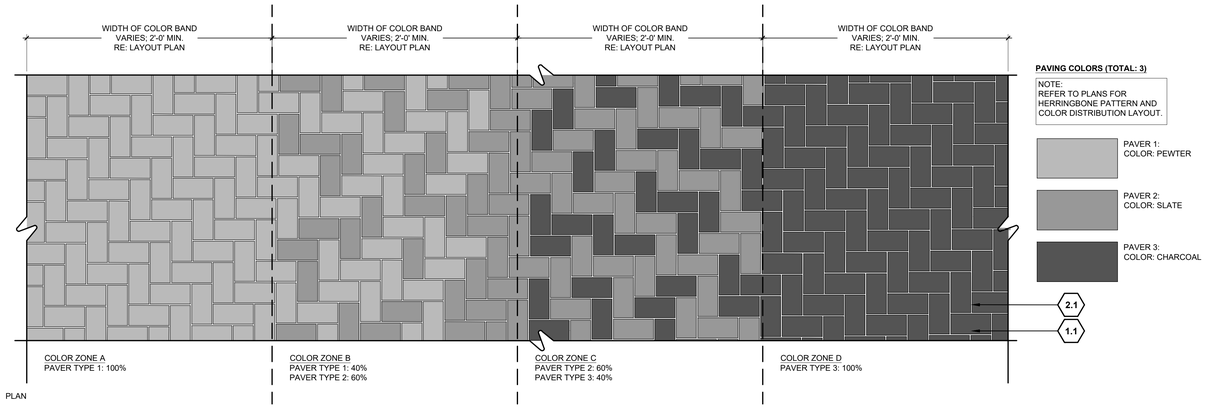
1"=1'-0"

1.1



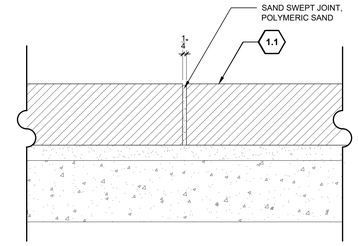
2 Roof Drain in Paving

3"=1'-0"



3 Typical Paving Pattern

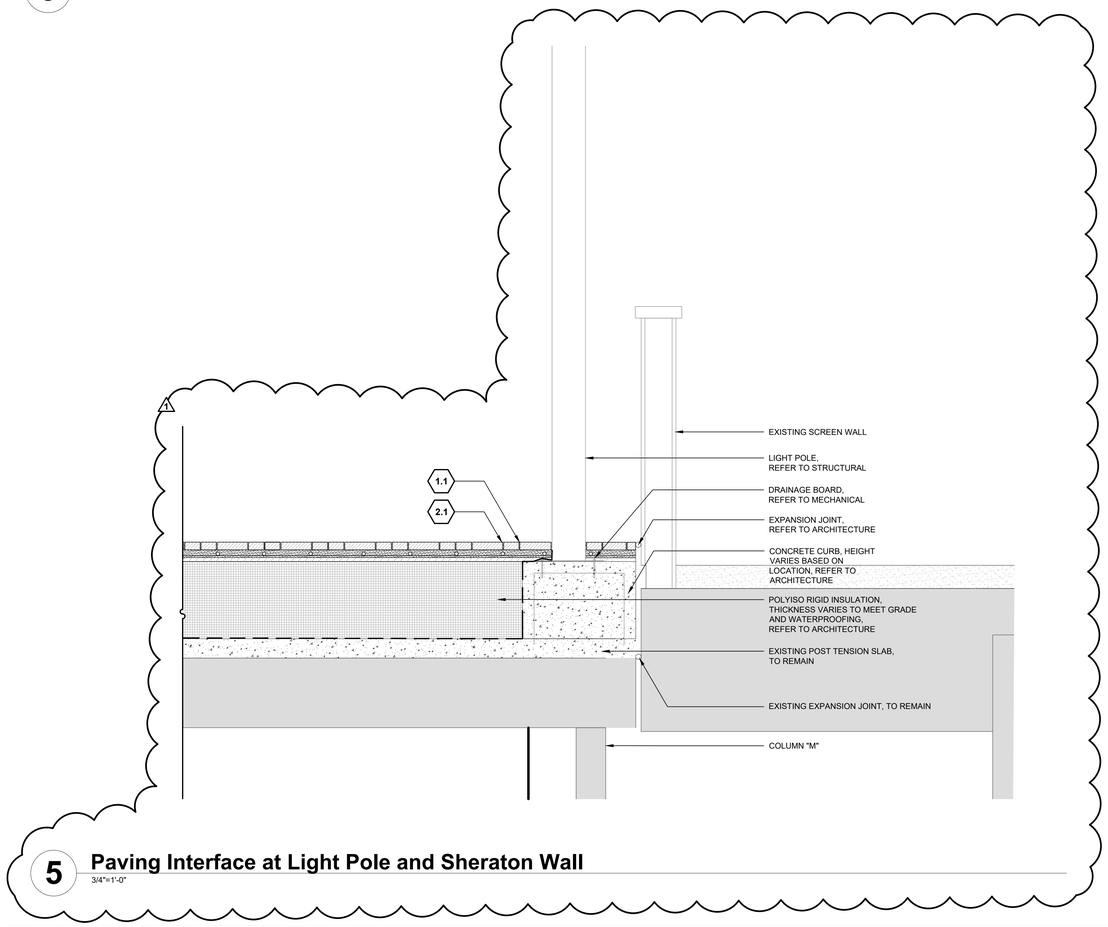
1"=1'-0"



4 Sand Joint

3"=1'-0"

2.1



5 Paving Interface at Light Pole and Sheraton Wall

3/4"=1'-0"

SITE KEYNOTES:

		DETAIL / SHEET	RELATED DETAILS	SPEC. SECTION
1.0	**PAVEMENTS, RAMPS, CURBS**			
1.1	Unit Paving Type 4: At Gold Walk	1/ 1B-L7-01	2,3,4,5/1B-L7-03	321400
2.0	**JOINTING**			
2.1	Sand Joint	2/ 1B-L7-01		321400

3.0 STEPS

Not used at this time. Refer to Architectural drawings.

4.0 SITE WALLS/ EMBANKMENTS

Not used at this time.

5.0 SITE FURNITURE

5.1	Trash Receptacle	By Owner
5.2	Table Type 1: moveable, dining height	By Owner
5.3	Table Type 2: moveable, standing height	By Owner
5.4	Chair Type 1: moveable, bistro	By Owner
5.5	Chair Type 2: moveable, bar stool	By Owner

6.0 RAILINGS, BARRIERS, FENCING

Not used at this time

7.0 SITE LIGHTING

Refer to Site Lighting Series

8.0 DRAINAGE

Refer to Civil Drawings

9.0 PLANTING AND LANDSCAPE

Not used at this time

10.0 MISCELLANEOUS ELEMENTS

Not used at this time

NOTE: Refer to General Information Sheet 1B-L0-03 for General and Series Specific Notes, Legends, Abbreviations, Lists and Schedules.

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me engineers
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United States
Tel 303.421.6655

△	Date	Description
-	2021.05.19	BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
1	2021.06.25	BP3: GOLDWALK - BULLETIN 02

Seal / Signature

JAMES FOGLE 130 11/01/2008 Original Date of Licensure 0.252 STATE OF COLORADO LICENSED LANDSCAPE ARCHITECT

Project Name

BP3 GOLDWALK PERMIT AND CONSTRUCTION

Project Number	DW Project Number
003.7835.000	6466

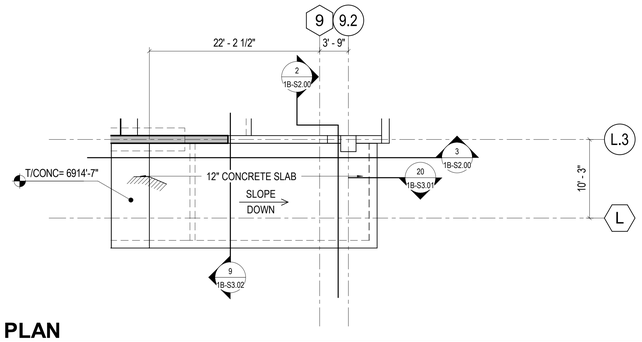
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BP3: GOLDWALK - ISSUE FOR BID AND PERMIT

SITE DETAILS

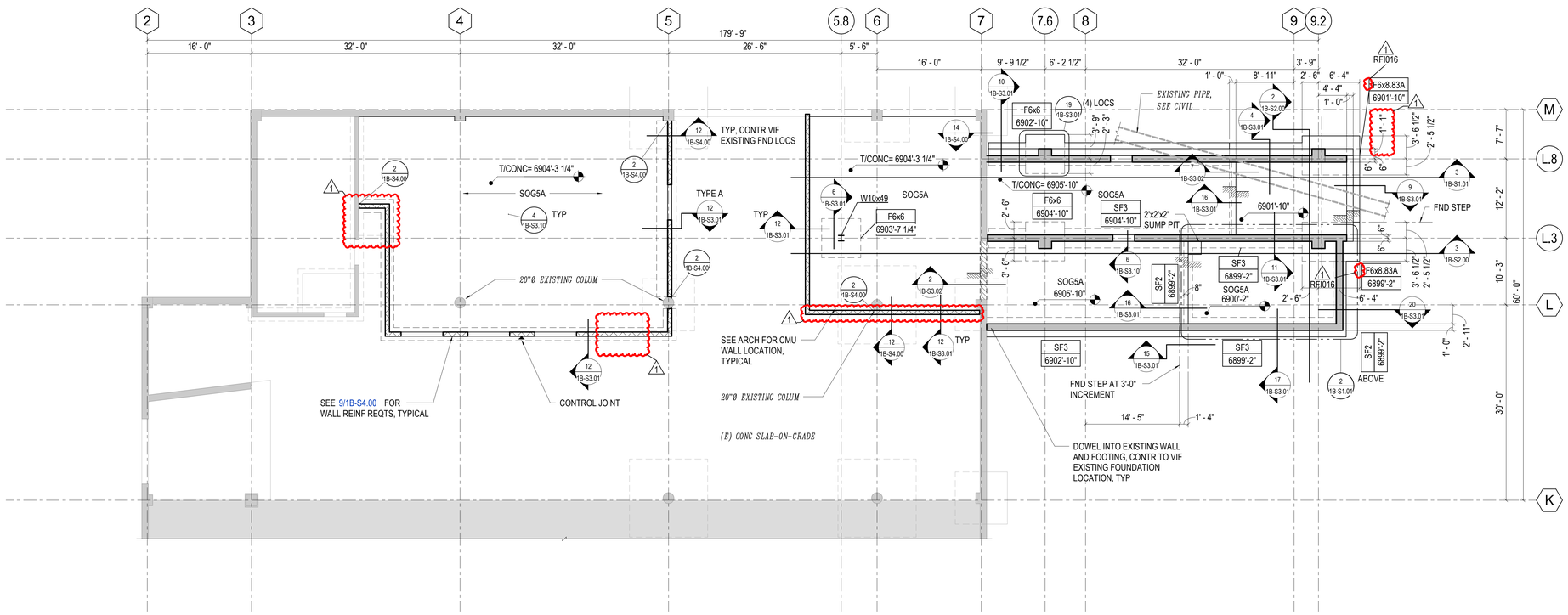
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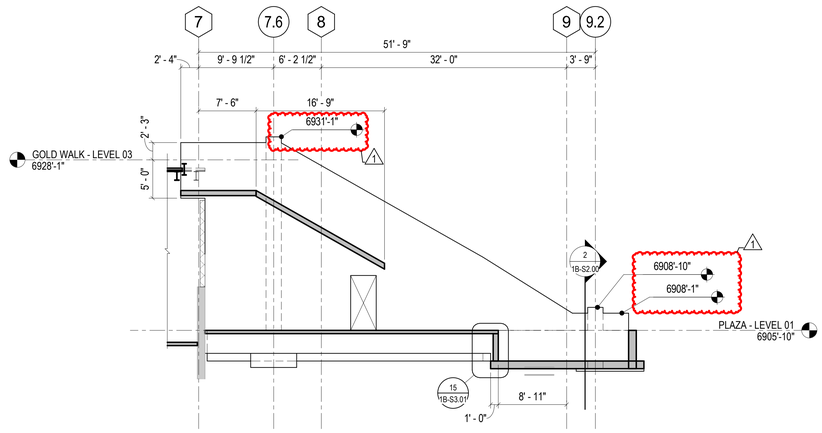
2 PARTIAL STAIR FRAMING PLAN

1/8" = 1'-0"



1 PLAZA PARTIAL FRAMING PLAN

1/8" = 1'-0"



3 ESCALATOR PIT SECTION

1/8" = 1'-0"

PLAN NOTES

1. CONTRACTOR TO VERIFY ALL EXISTING CONDITION PRIOR TO STEEL FABRICATION.

2. CONTRACTOR TO FIELD LOCATE ALL UTILITIES BELOW GRADE. CONTRACTOR SHALL NOTIFY ARCHITECT BY DIMENSIONED DRAWING OF LOCATIONS WHERE UTILITIES CONFLICT WITH FOUNDATION INSTALLATION. CONTRACTOR SHALL MAKE ALLOWANCE FOR THE RESOLUTION OF SUCH DISCOVERIES PRIOR TO PROCEEDING WITH EFFECTED FOUNDATIONS.

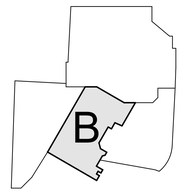
3. SEE ARCH AND MECH DRAWINGS FOR SLAB SLOPES, DEPRESSIONS, FILL, PADS, AND CURBS NOT SHOWN ON THE STRUCTURAL DRAWINGS.

4. SEE 1B-S4.00 FOR TYPICAL MASONRY WALL DETAILS. SEE ARITECTURAL DRAWINGS FOR DIMENSIONS OF ALL MASONRY WALLS.

LEGEND

OUT OF SCOPE

KEY PLAN



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COLORADO REGISTERED PROFESSIONAL ENGINEER 38107
June 28, 2021

Seal / Signature

△	Date	Description
-	2021.05.19	BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
1	2021.06.25	BP3: GOLDWALK - BULLETIN 02

Project Name
SSRC | BASE AREA IMPROVEMENTS

Project Number
003.7835.000

Description
GOLDWALK - LEVEL 1 FRAMING PLAN

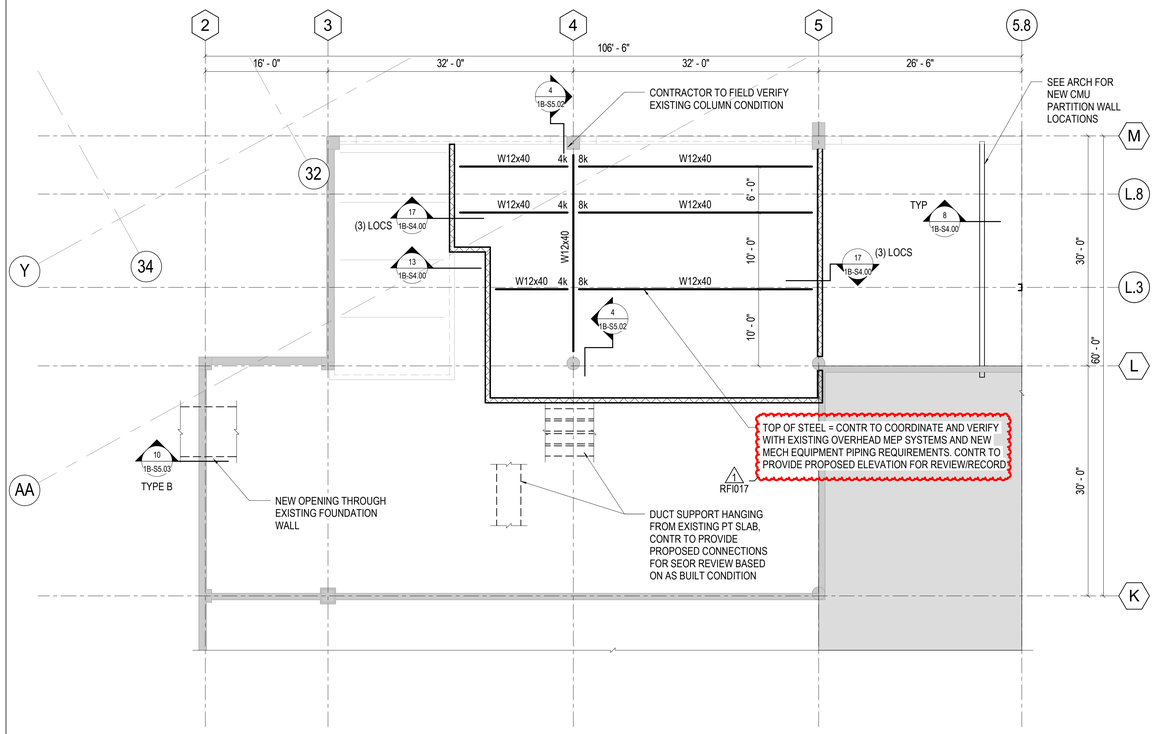
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LEAD REVIT TECH:COLIN MONNES
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MM JOB #: 20.1411.5.01
PRINCIPAL: KELLY KNOWLES
FOR KELLY KNOWLES
PROJECT MANAGER: C. A. CHEN



1 GOLDWALK - BOILER ROOM - LEVEL 2 FRAMING PLAN

1/8" = 1'-0"

PLAN NOTES

1. CONTRACTOR TO VERIFY ALL EXISTING CONDITION PRIOR TO STEEL FABRICATION.

2. CONTRACTOR TO FIELD LOCATE ALL EXISTING UTILITIES HANGING FROM EXISTING SLAB. CONTRACTOR SHALL NOTIFY ARCHITECT BY DIMENSIONED DRAWING OF LOCATIONS WHERE UTILITIES CONFLICT WITH NEW INSTALLATION. CONTRACTOR SHALL MAKE ALLOWANCE FOR THE RESOLUTION OF SUCH DISCOVERIES.

3. SEE ARCH AND MECH DRAWINGS FOR SLAB SLOPES, DEPRESSIONS, FILL, PADS, AND CURBS NOT SHOWN ON THE STRUCTURAL DRAWINGS.

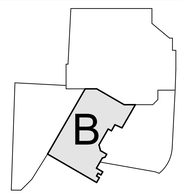
4 STEEL BEAMS:
   A. STEEL BEAMS SHALL BE EQUALLY SPACED BETWEEN GRIDLINES/COLUMNS/GIRDERS UNLESS DIMENSIONED OTHERWISE.
   B. REQUIRED BEAM END CONNECTION CAPACITY IN KIPS NOTED ON PLAN THUS: XXk. IF TWO SYMBOLS ARE SHOWN THEY DENOTE THE REQUIRED CONNECTION CAPCITY AT THE CORRESPONDING BEAM END. IF ONLY ONE SYMBOL IS SHOWN IT DENOTES THE REQUIRED CONNECTION CAPACITY AT EACH END OF THE BEAM. DETAIL CONNECTIONS FOR REQUIRED CONNECTION CAPACITY PER SHEET S5.00. ALL BEAM END CONNECTIONS NOTED ON PLAN HAVE BEEN FACTORED PER THE ASCE 7 STRENGTH DESIGN LOAD COMBINATIONS.

4. SEE 1B-S4.00 FOR TYPICAL MASONRY WALL DETAILS. SEE ARITECTURAL DRAWINGS FOR DIMENSIONS OF ALL MASONRY WALLS.

LEGEND

OUT OF SCOPE

KEY PLAN



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COLORADO REGISTERED PROFESSIONAL ENGINEER 38107
June 28, 2021

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Date	Description
- 2021.05.19	BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
1 2021.06.25	BP3: GOLDWALK - BULLETIN 02

Project Name
SSRC | BASE AREA IMPROVEMENTS

Project Number
003.7835.000

Description
GOLDWALK - LEVEL 2 FRAMING PLAN

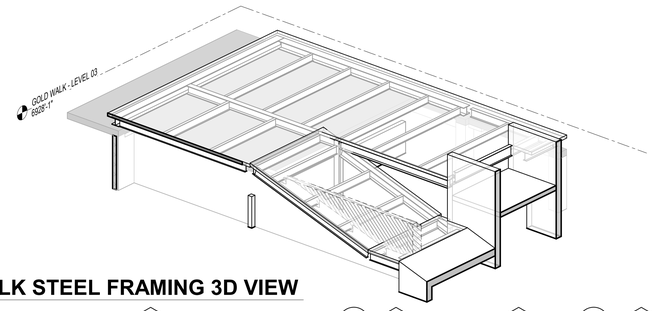
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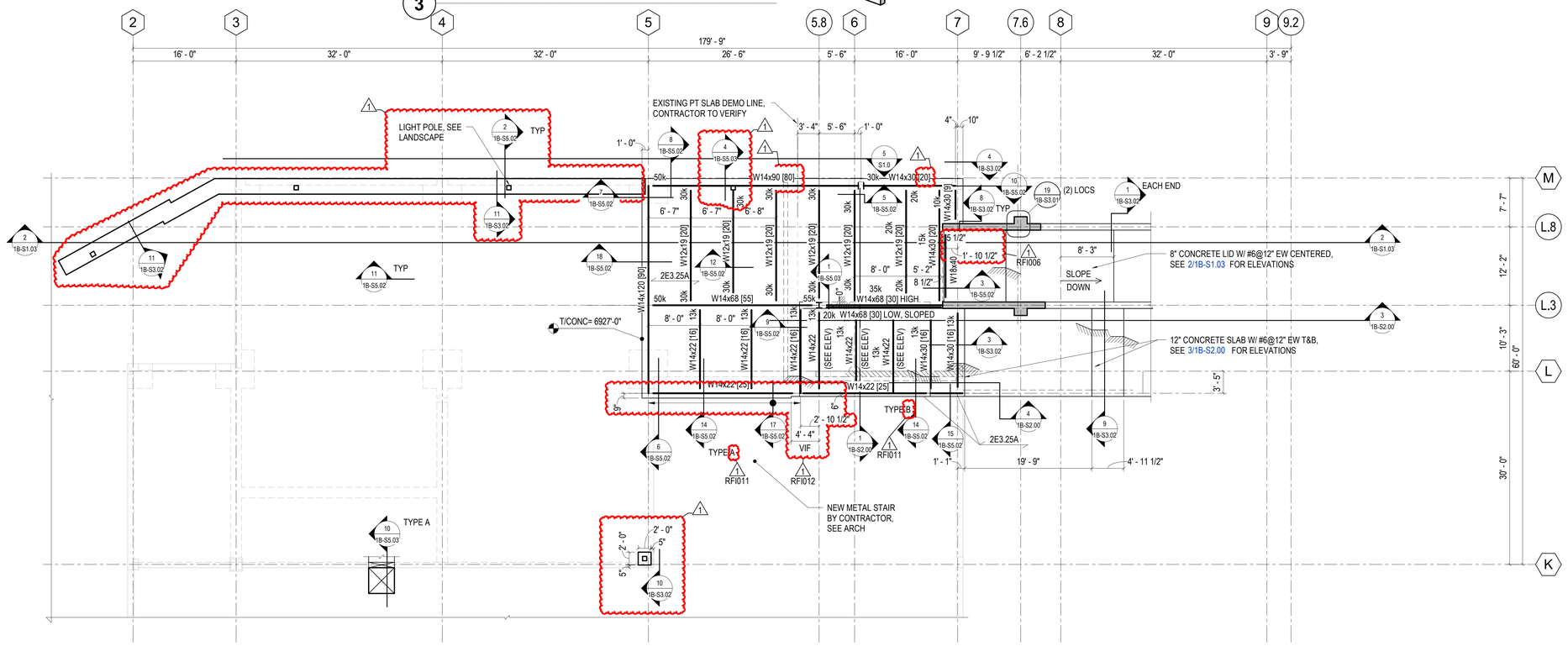
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PRINCIPAL: KELLY KNOWLES
FOR KELLY KNOWLES
PROJECT MANAGER: C. A. CHEN

DESIGNERS: NIC MARTIN
LEAD REVIT TECH: COLIN MONNES
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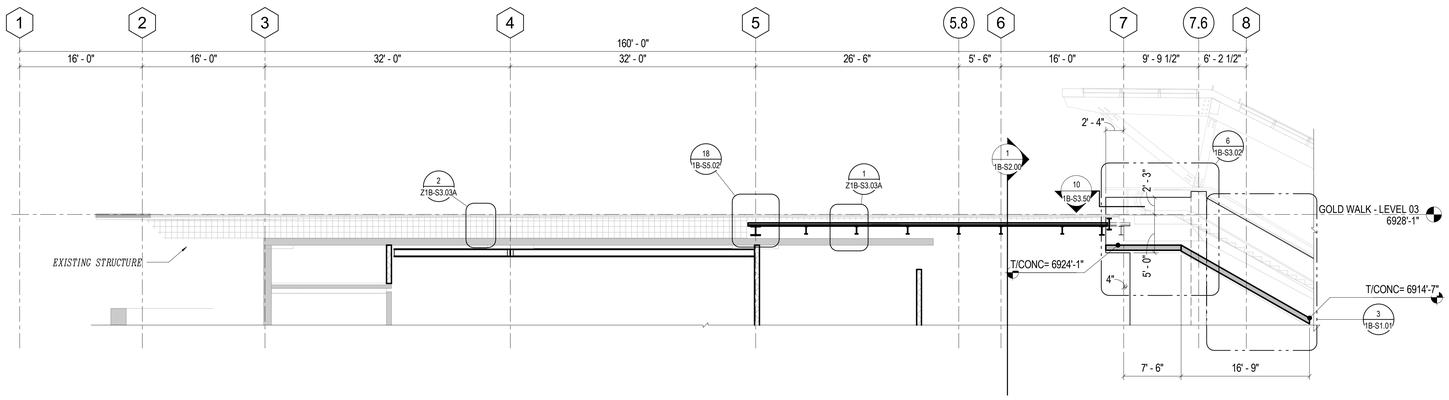


3 GOLDWALK STEEL FRAMING 3D VIEW



1 GOLDWALK FRAMING PLAN

1/8" = 1'-0"



2 GOLDWALK CROSS SECTION

1/8" = 1'-0"

PLAN NOTES

1. CONTRACTOR TO VERIFY ALL EXISTING CONDITION PRIOR TO STEEL FABRICATION.

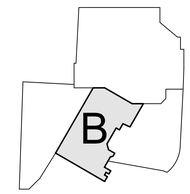
2. CONTRACTOR TO FIELD LOCATE ALL UTILITIES ON THE EXISTING SLAB. CONTRACTOR SHALL NOTIFY ARCHITECT BY DIMENSIONED DRAWING OF LOCATIONS WHERE UTILITIES CONFLICT WITH NEW INSTALLATION. CONTRACTOR SHALL MAKE ALLOWANCE FOR THE RESOLUTION OF SUCH DISCOVERIES.

3 SEE ARCH AND MECH DRAWINGS FOR SLAB SLOPES, DEPRESSIONS, FILL, PADS, AND CURBS NOT SHOWN ON THE STRUCTURAL DRAWINGS.

4 STEEL BEAMS AND JOISTS:
- A. STEEL BEAMS SHALL BE EQUALLY SPACED BETWEEN GRIDLINES / COLUMNS / GIRDERS UNLESS DIMENSIONED OTHERWISE.
- B. TOP OF STEEL BEAMS SHALL EQUAL BOTTOM OF METAL DECK ELEVATION. SEE PLAN FOR TOP OF CONCRETE ELEVATION AND SLAB THICKNESS TO DETERMINE BOTTOM OF METAL DECK ELEVATION.
- C. REQUIRED BEAM END CONNECTION CAPACITY IN KIPS NOTED ON PLAN THUS: XXk. IF TWO SYMBOLS ARE SHOWN THEY DENOTE THE REQUIRED CONNECTION CAPCITY AT THE CORRESPONDING BEAM END. IF ONLY ONE SYBMOL IS SHOWN IT DENOTES THE REQUIRED CONNECTION CAPACITY AT EACH END OF THE BEAM. DETAIL CONNECTIONS FOR REQUIRED CONNECTION CAPACITY PER SHEET S5.00. ALL BEAM END CONNECTIONS NOTED ON PLAN HAVE BEEN FACTORED PER THE ASCE 7 STRENGTH DESIGN LOAD COMBINATIONS.
- D. PLACE NUMBER OF SHEAR STUDS INDICATED ON PLAN THUS: [XX] PER DETAIL 11/S5.31. ALL SHEAR STUDS ARE 3/4"Ø. SEE DETAIL 11/ S5.31 FOR NET IN-PLACE LENGTH OF SHEAR STUDS.

4. SEE 1B-S4.00 FOR TYPICAL MASONRY WALL DETAILS. SEE ARITECTURAL DRAWINGS FOR DIMENSIONS OF ALL MASONRY WALLS.

KEY PLAN



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STATE OF COLORADO REGISTERED 38107 PROFESSIONAL ENGINEER

June 28, 2021

Seal / Signature

Date	Description
- 2021.05.19	BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
1 2021.06.25	BP3: GOLDWALK - BULLETIN 02

Project Name
SSRC | BASE AREA IMPROVEMENTS

Project Number
003.7835.000

Description
GOLDWALK - LEVEL 3 FRAMING PLAN

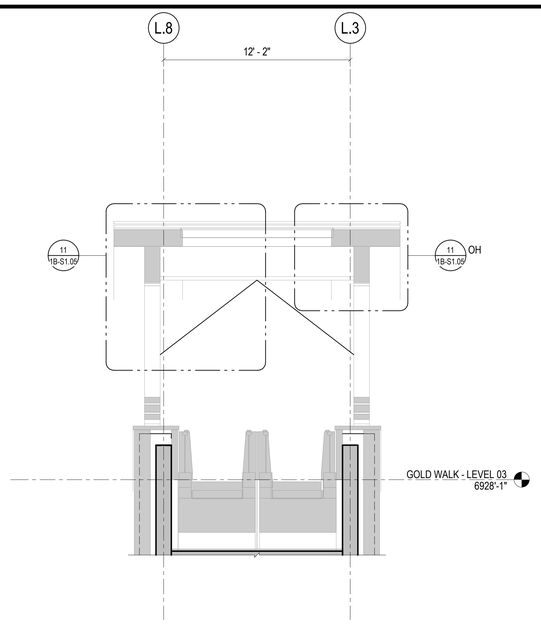
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1/8" = 1'-0"

1B-S1.03

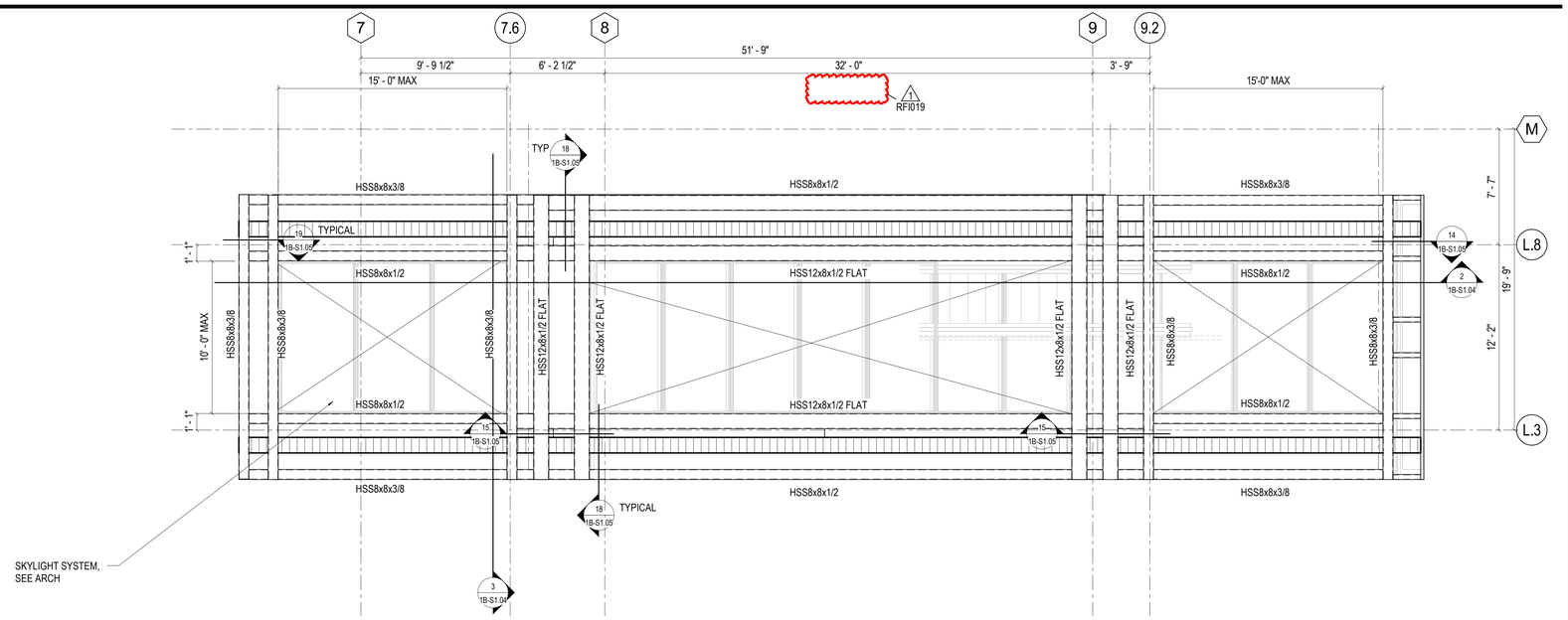
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LEAD REVIT TECH:COLIN MONNES
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EOR: KELLY KNOWLES
PROJECT MANAGER: C. A. CHEN

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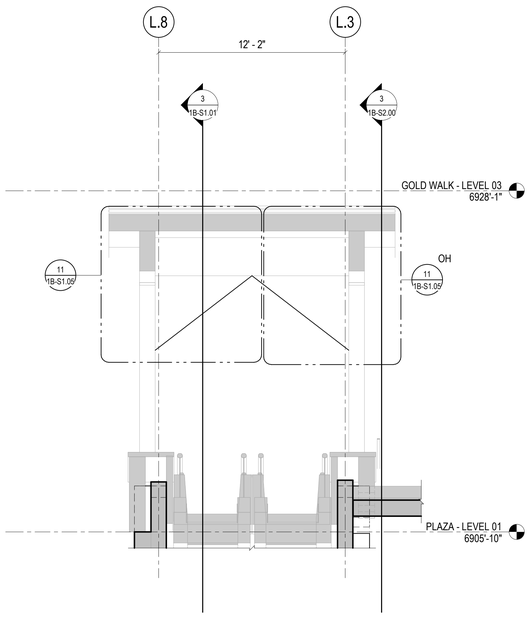


3 HIGH FRAME
1/4" = 1'-0"

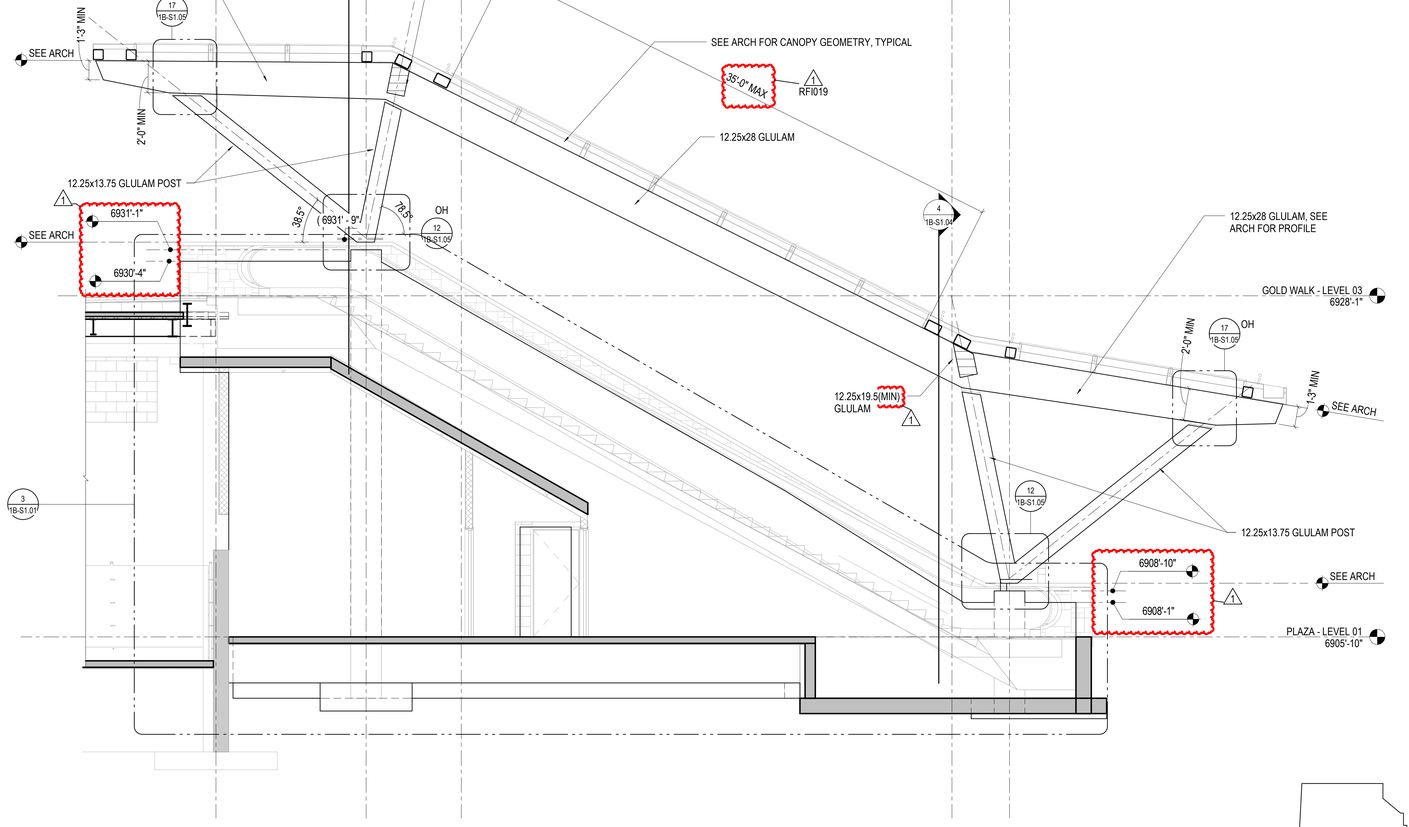


1 ESCALATOR ROOF FRAMING
1/4" = 1'-0"

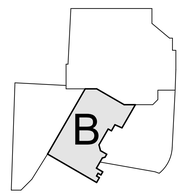




4 LOW FRAME
1/4" = 1'-0"



2 ESCALATOR ROOF FRAME
1/4" = 1'-0"



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COLORADO REGISTERED PROFESSIONAL ENGINEER 38107
June 28, 2021

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△	Date	Description
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1	2021.06.25	BP3: GOLDWALK - BULLETIN 02

Project Name
SSRC | BASE AREA IMPROVEMENTS

Project Number
003.7835.000

Description
GOLDWALK - CANOPY ROOF FRAMING PLAN

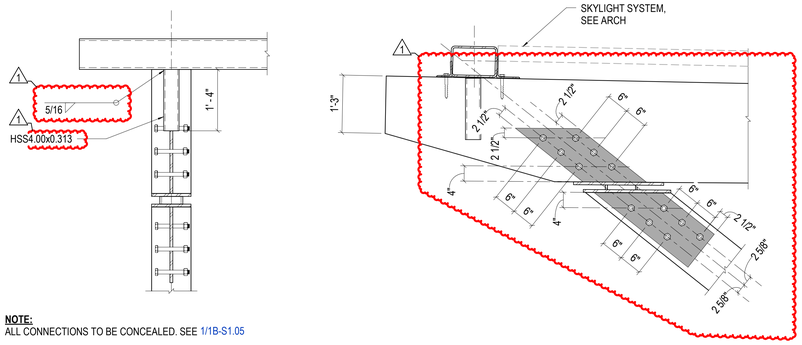
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1/4" = 1'-0"

1B-S1.04

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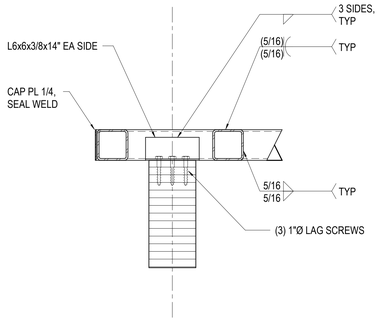
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EOR: KELLY KNOWLES
PROJECT MANAGER: C. A. CHEN

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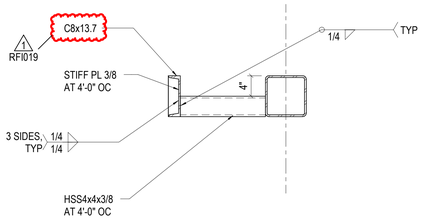


NOTE:
ALL CONNECTIONS TO BE CONCEALED. SEE 1/1B-S1.05

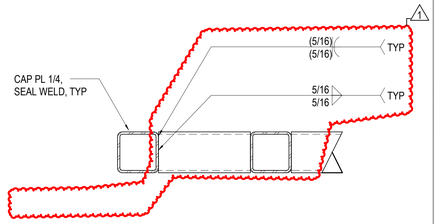
17 3/4" = 1'-0" CANOPY FRONT CONNECTION



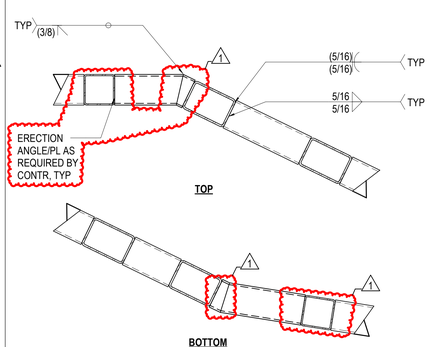
18 3/4" = 1'-0" CANOPY HSS STEEL CONNECTION



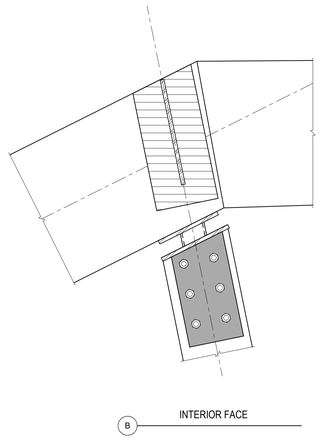
14 1" = 1'-0" CANOPY LOW EDGE HSS BEAM

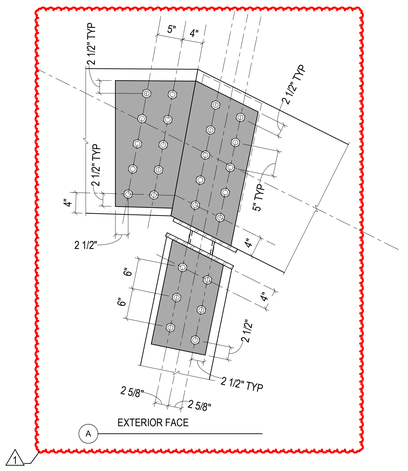


19 1" = 1'-0" CANOPY HSS TOP CONNECTION

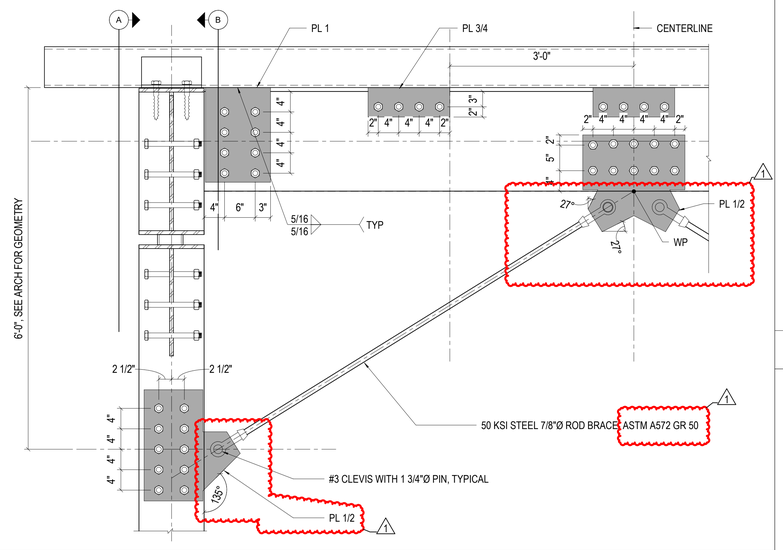


15 3/4" = 1'-0" CANOPY HSS STEEL CONNECTION AT SLOPE CHANGE

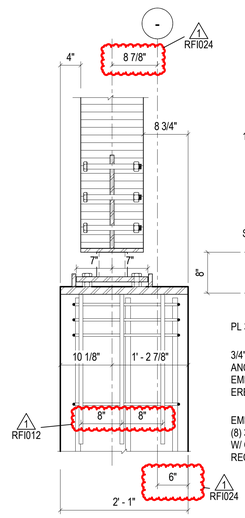


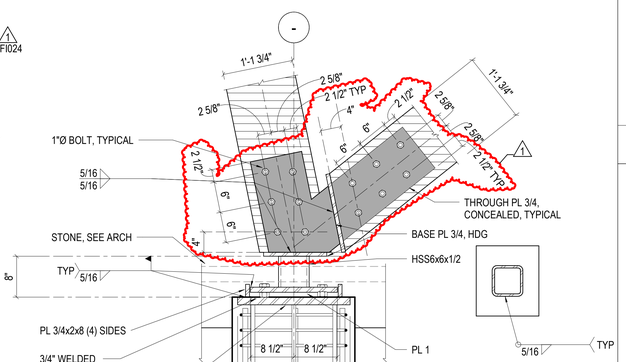


NOTE:
ALL CONNECTIONS TO BE CONCEALED. SEE 1/1B-S1.05



11 1" = 1'-0" CANOPY TOP CONNECTION - 1

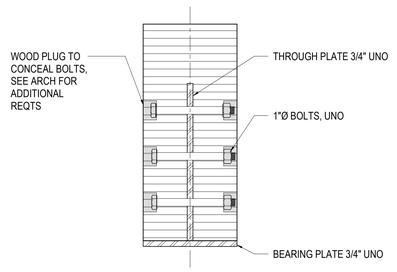




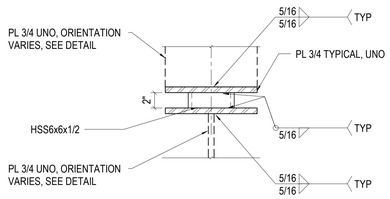
NOTE:
ALL CONNECTIONS TO BE CONCEALED. SEE 1/1B-S1.05

12 1" = 1'-0" CANOPY V POST BASE CONNECTION - 1

GLULAM STEEL CONNECTIONS ARE DETAILED FOR PERMIT AND BIDDING PURPOSES. CONTRACTOR TO REVIEW CONSTRUCTION TOLERANCE AND SEQUENCE WITH GLULAM SUPPLIER. CONNECTIONS TO BE FINALIZED IN THE FUTURE ISSUANCE.
ALL SHADED PLATES ARE CONCEALED FLITCH PLATE CONNECTIONS INSIDE THE GLULAM MEMBER. ALL BOLTS ARE TO BE CONCEALED WITH WOOD PLUGS UNO. SEE ARCHITECTURAL DRAWINGS FOR AESTHETIC REQUIREMENTS.



1 1 1/2" = 1'-0" GLULAM CONCEALED CONNECTION



2 1 1/2" = 1'-0" CANOPY CONNECTION HSS GAP

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STATE OF COLORADO REGISTERED 38107 PROFESSIONAL ENGINEER
June 28, 2021

Seal / Signature

Date	Description
- 2021.05.19	BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
1 2021.06.25	BP3: GOLDWALK - BULLETIN 02

Project Name
SSRC | BASE AREA IMPROVEMENTS

Project Number
003.7835.000

Description
GOLDWALK CANOPY DETAILS

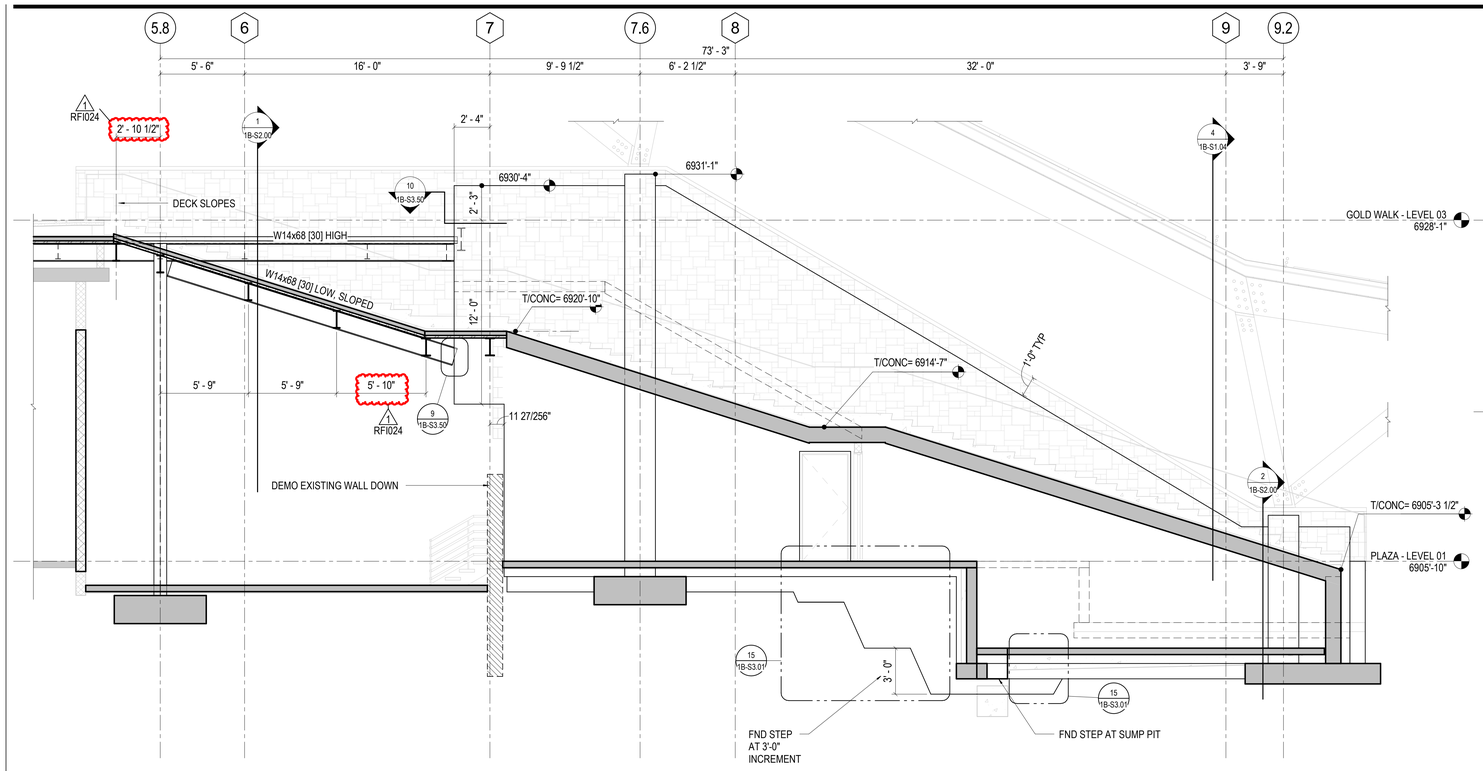
Scale
As indicated

1B-S1.05

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LEAD REVIT TECH: COLIN MONNES
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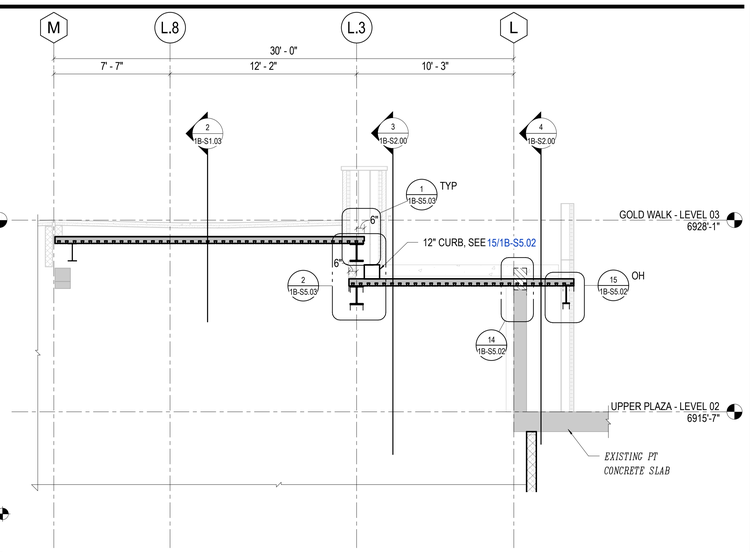
MM JOB #: 20.1411.S.01
PRINCIPAL: KELLY KNOWLES
FOR: KELLY KNOWLES
PROJECT MANAGER: C. A. CHEN

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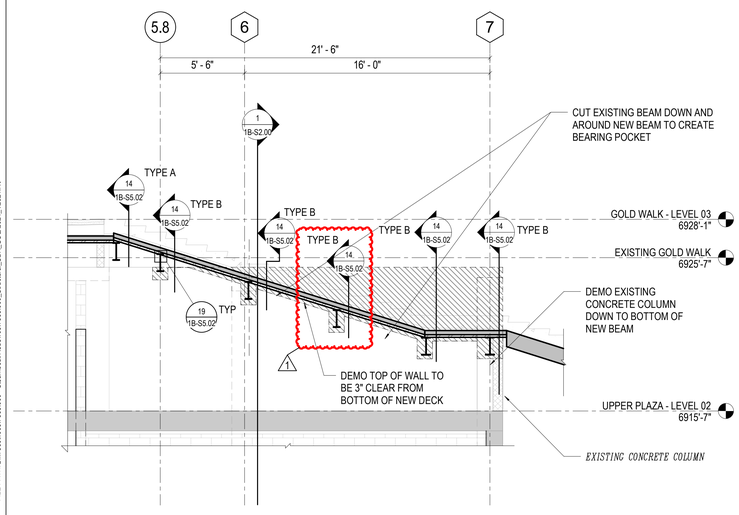
3 CROSS SECTION ALONG GRID L.3

1/4" = 1'-0"



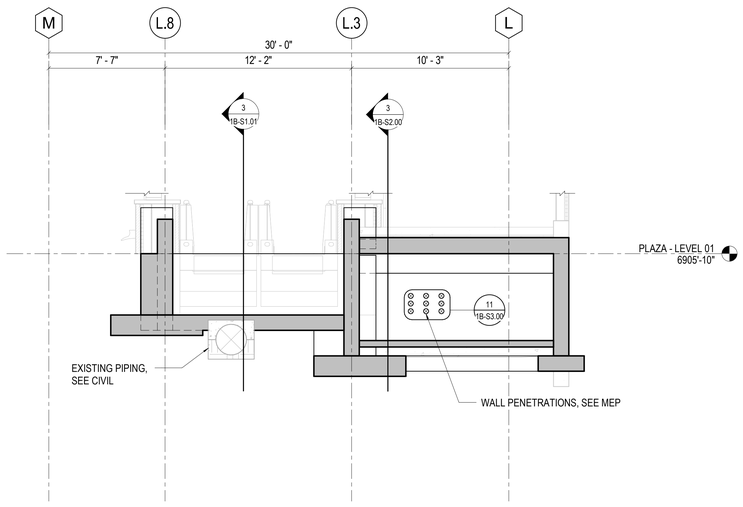
1 CROSS SECTION ALONG GRID 6

1/4" = 1'-0"



4 CROSS SECTION ALONG GRID L

1/4" = 1'-0"



2 CROSS SECTION ALONG GRID 6

1/4" = 1'-0"

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COLORADO REGISTERED PROFESSIONAL ENGINEER 38167
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Seal / Signature

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Project Name
SSRC | BASE AREA IMPROVEMENTS

Project Number
003.7835.000

Description
GOLDWALK CROSS SECTIONS

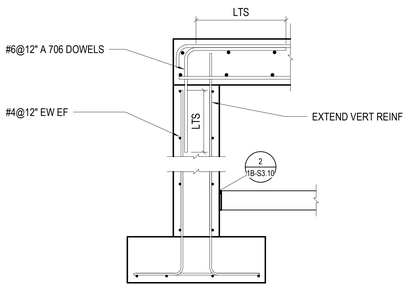
Scale
1/4" = 1'-0"

1B-S2.00

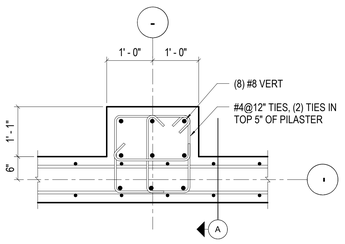
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LEAD REVIT TECH: COLIN MONNES
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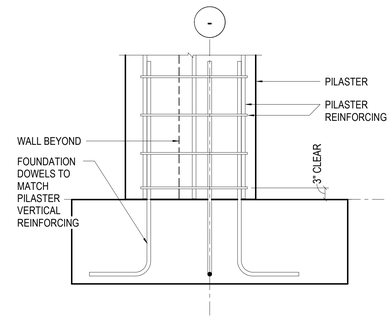
MM JOB #: 20.1411.5.01
PRINCIPAL: KELLY KNOWLES
FOR: KELLY KNOWLES
PROJECT MANAGER: C. A. CHEN

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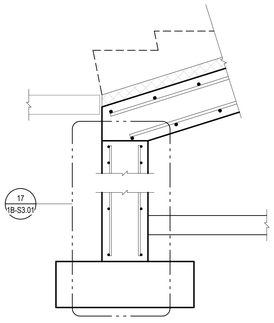


17 3/4" = 1'-0" STAIR EDGE WALL

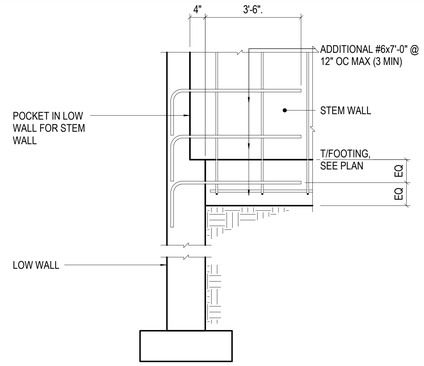




19 3/4" = 1'-0" CANOPY PILASTER

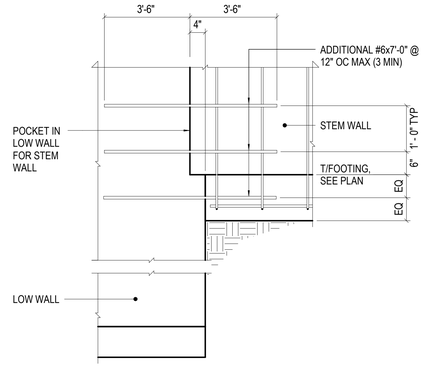


20 3/4" = 1'-0" CIP STAIR TO SITE SLAB



AT STEM WALL PERPENDICULAR TO LOW WALL

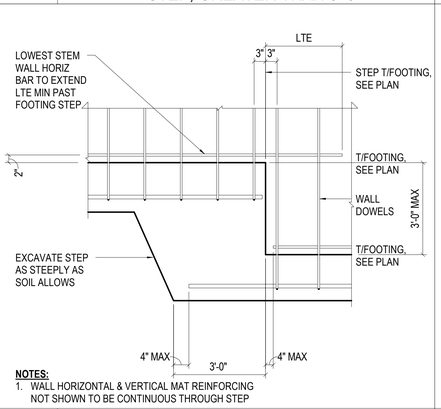
NOTES:
1. WALL HORIZONTAL & VERTICAL MAT REINFORCING NOT SHOWN



AT STEM WALL PARALLEL TO LOW WALL

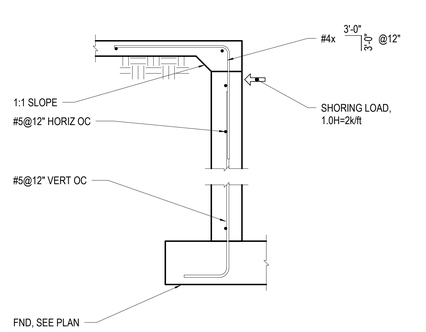
NOTES:
1. WALL HORIZONTAL & VERTICAL MAT REINFORCING NOT SHOWN TO BE CONTINUOUS THROUGH STEP

14 3/4" = 1'-0" STRIP FOOTING w/CIP STEM WALL STEP, GREATER THAN 3'-0"

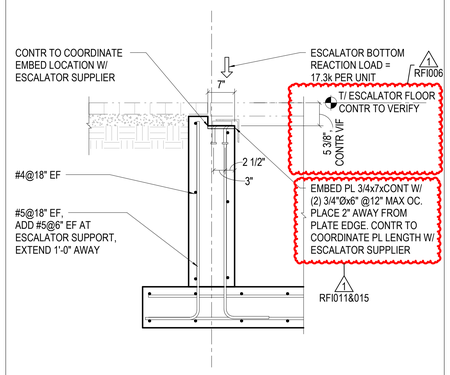


NOTES:
1. WALL HORIZONTAL & VERTICAL MAT REINFORCING NOT SHOWN TO BE CONTINUOUS THROUGH STEP

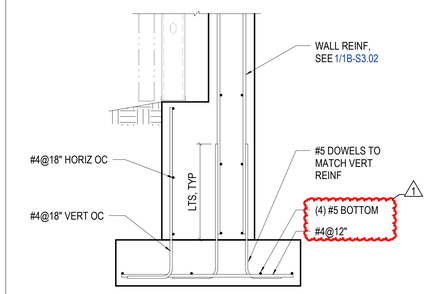
15 3/4" = 1'-0" STRIP FOOTING w/CIP STEM WALL STEP, 3'-0" AND LESS



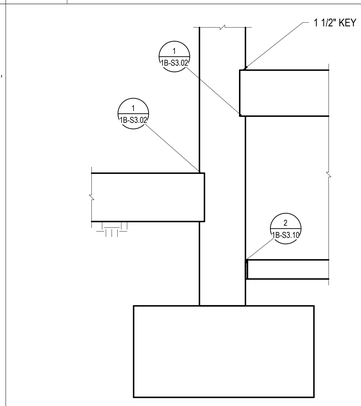
16 3/4" = 1'-0" PIT WALL REINF



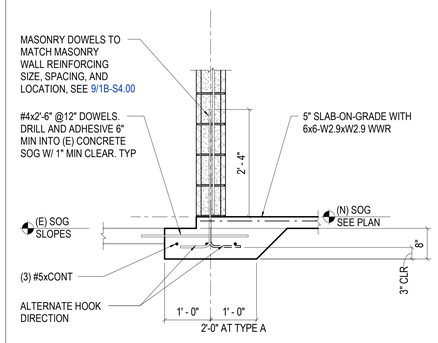
9 3/4" = 1'-0" ESCALATOR PIT WALL



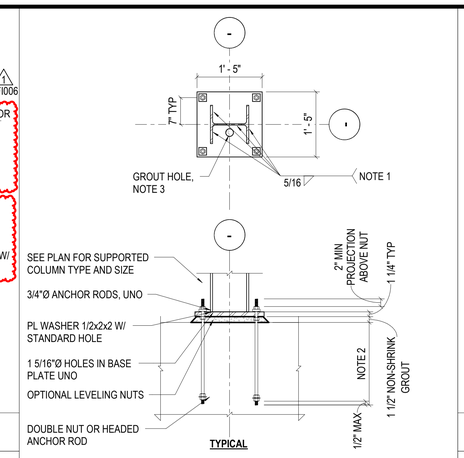
10 3/4" = 1'-0" ESCALATOR FOUNDATION WALL



11 3/4" = 1'-0" ESCALATOR PIT WALL TO STAIR

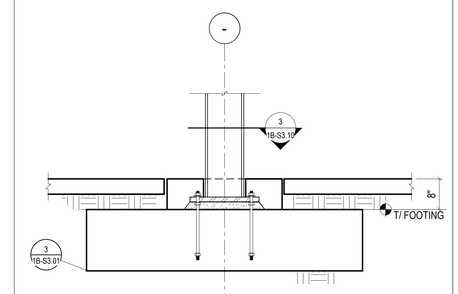


12 3/4" = 1'-0" SOG BELOW MASONRY PARTITION WALL



TYPICAL

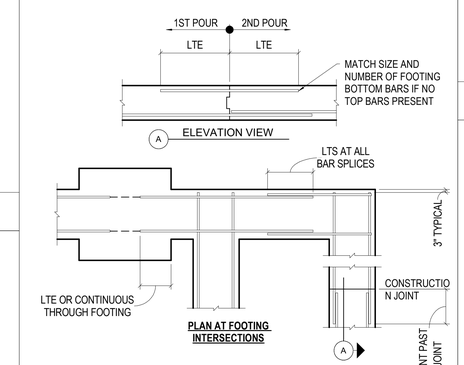
NOTES:
1. ALL AROUND WELD MAY BE USED IN LIEU OF THE WELD SHOWN
2. PROVIDE 3" CLEAR COVER AT FOOTING LOCATIONS
3. 2"Ø MAXIMUM GROUT HOLE AT CONTRACTOR'S OPTION. ONE OR TWO GROUT HOLES RECOMMENDED FOR BASE PLATES LARGER THAN 24" IN WIDTH.



6 3/4" = 1'-0" INTERIOR COLUMN AT SPREAD FOOTING

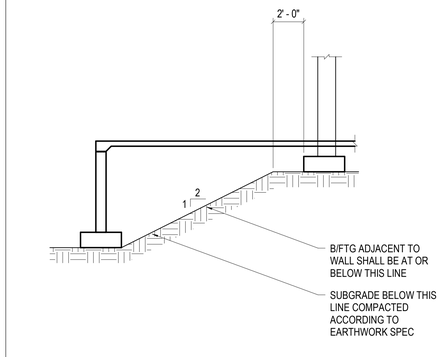
STRIP FOOTING SCHEDULE

MARK	FOOTING SIZE W x T	LONG REINF	TRANS REINF	REMARKS
SF2	2'-0"x1'-0"	(3) #5	#4@12" OC	BOT ONLY
SF3	3'-0"x1'-0"	(3) #5	#4@12" OC	BOT ONLY
SF4	4'-0"x1'-0"	(4) #5	#4@12" OC	BOT ONLY

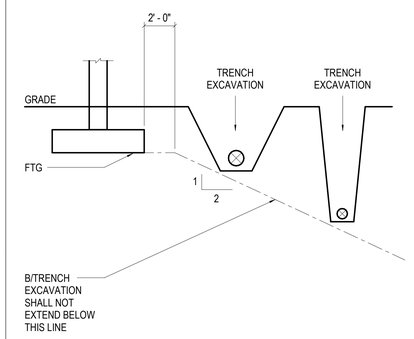


STRIP FOOTING SECTION

8 NO SCALE TYP STRIP FOOTING



1 1/4" = 1'-0" TYP FTG ADJACENT TO WALL

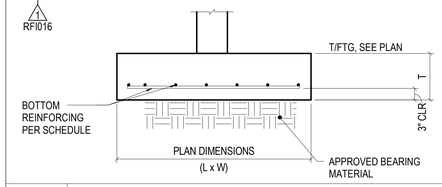


2 NO SCALE TYP EXCAVATION AT FTG

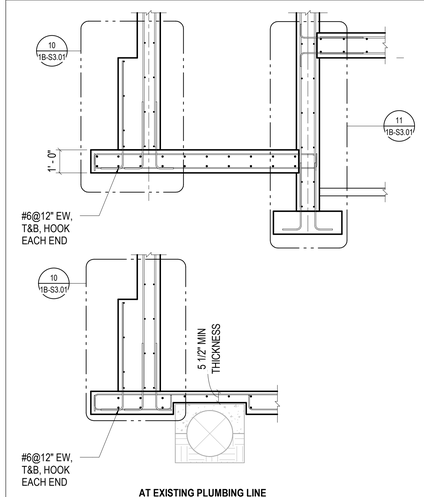
SPREAD FOOTING SCHEDULE

SOIL ALLOWABLE PRESSURE = 3000 PSF				
MARK	FOOTING SIZE L x W x T	REINFORCING	SERVICE CAPACITY (KIPS)	REMARKS
F6x6	6'-0"x6'-0"x1'-4"	(7) #5 EW BOT	108	-
F6x8.83A	6'-0"x8'-10"x1'-4"	#5@10" EW BOT	-	-

1
RFI016



3 NO SCALE TYP SPREAD FOOTING



AT EXISTING PLUMBING LINE

4 NO SCALE ESCALATOR PIT

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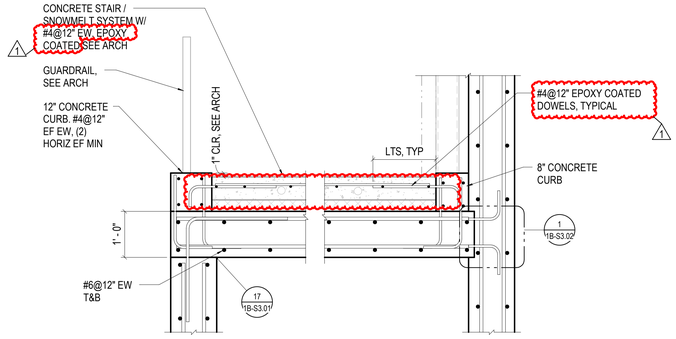
Date	Description
- 2021.05.19	BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
1 2021.06.25	BP3: GOLDWALK - BULLETIN 02

Project Name
SSRC | BASE AREA IMPROVEMENTS
Project Number
003.7835.000
Description
FOUNDATION DETAILS
Scale
As indicated

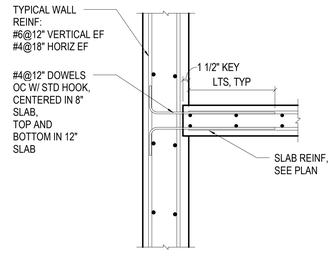
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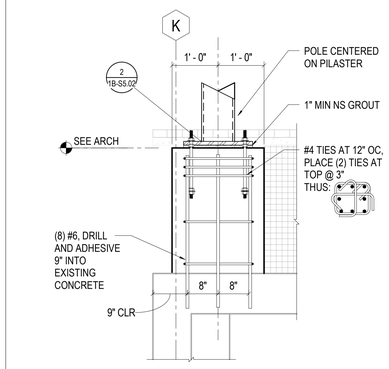
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LEAD REVIT TECH: COLIN MONNES
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MM JOB #: 20.1411.5.01
PRINCIPAL: KELLY KNOWLES
FOR: KELLY KNOWLES
PROJECT MANAGER: C.A. CHEN



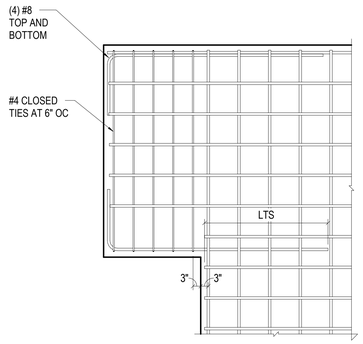
9 3/4" = 1'-0" CIP STAIR CROSS SECTION



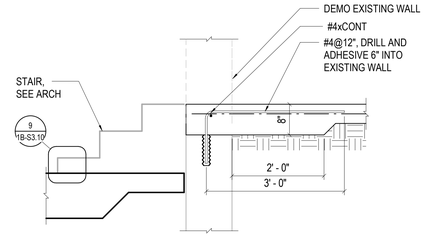
1 3/4" = 1'-0" TYP CIP SLAB TO WALL CONN



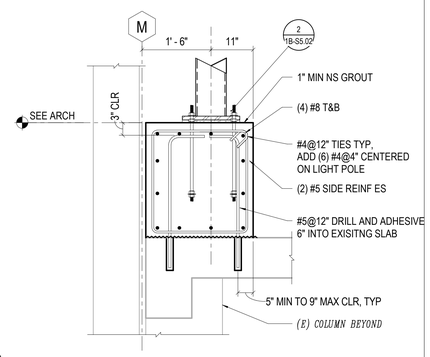
10 3/4" = 1'-0" LIGHT POLE PILASTER



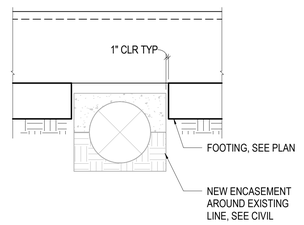
6 1/2" = 1'-0" CIP WALL AT TOP OF ESCALATOR



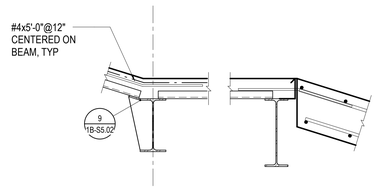
2 3/4" = 1'-0" NEW SLAB ON GRADE TO EXISTING



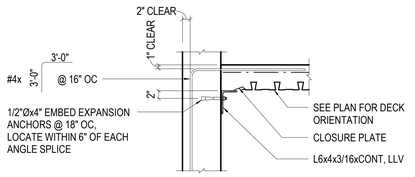
11 3/4" = 1'-0" CONCRETE CURB EDGE AT ARTWALL



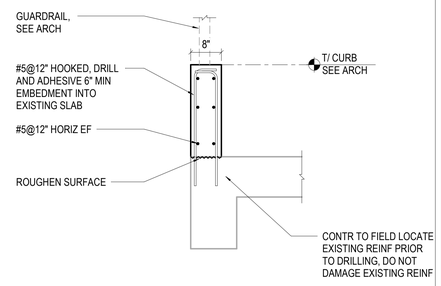
7 1/2" = 1'-0" EXISTING SEWER LINE ON NEW FOOTING



3 3/4" = 1'-0" CIP SLAB TO COMPOSITE DECK TRANSITION



8 3/4" = 1'-0" COMPOSITE DECK TO CIP WALL



4 3/4" = 1'-0" NEW CURB ON EXISTING SLAB

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Project Name
SSRC | BASE AREA IMPROVEMENTS

Project Number
003.7835.000

Description
CONCRETE DETAILS

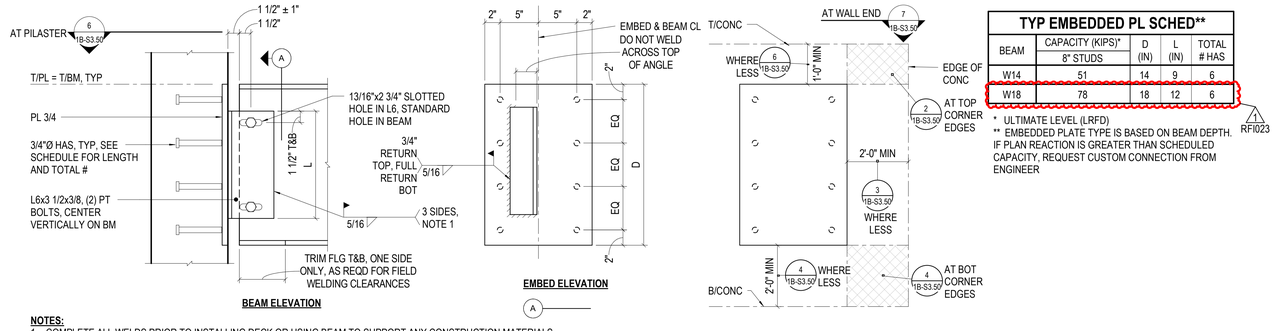
Scale
As indicated

1B-S3.02

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LEAD REVIT TECH: COLIN MONNES
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MM JOB #: 20.1411.S.01
PRINCIPAL: KELLY KNOWLES
FOR: KELLY KNOWLES
PROJECT MANAGER: C. A. OHEN



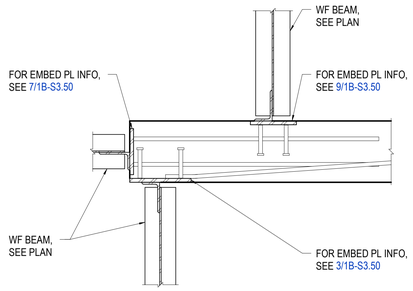
TYP EMBEDDED PL SCHED**				
BEAM	CAPACITY (KIPS)* 8" STUDS	D (IN)	L (IN)	TOTAL # HAS
W14	51	14	9	6
W18	78	18	12	6

* ULTIMATE LEVEL (LRFD)
** EMBEDDED PLATE TYPE IS BASED ON BEAM DEPTH. IF PLAN REACTION IS GREATER THAN SCHEDULED CAPACITY, REQUEST CUSTOM CONNECTION FROM ENGINEER

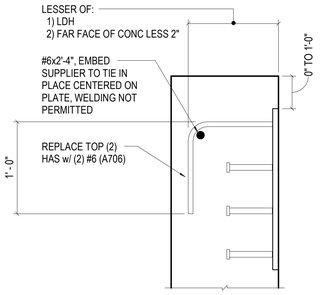
1 RFI023

NOTES:
1. COMPLETE ALL WELDS PRIOR TO INSTALLING DECK OR USING BEAM TO SUPPORT ANY CONSTRUCTION MATERIALS
2. SEE 8/1B-S3.00 FOR WELDING OF REBAR TO EMBED PLATES WHEN REQUIRED. DAS MAY BE SUBSTITUTED FOR REBAR.

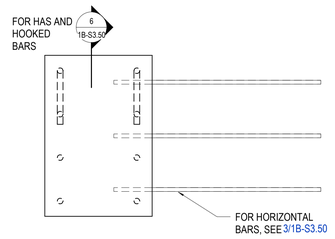
9 NO SCALE TYPICAL BEAM EMBED PL CONNECTION & SCHEDULE - LRFD



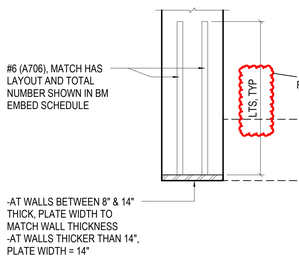
10 1" = 1'-0" BEAM EMBED NEAR WALL



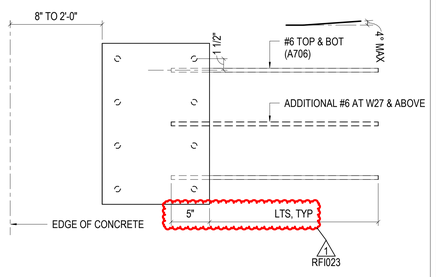
6 NO SCALE BEAM EMBED NEAR TOP OF WALL SINGLE SIDED



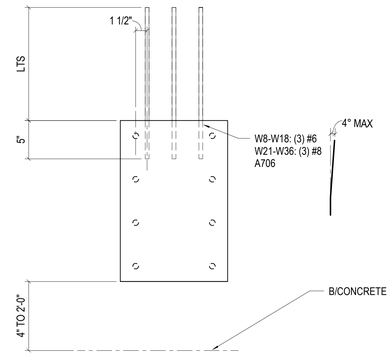
2 NO SCALE BEAM EMBED NEAR TOP EDGE OF WALL



7 NO SCALE BEAM EMBED AT END OF WALL



3 NO SCALE BEAM EMBED NEAR EDGE OF WALL



4 NO SCALE BEAM EMBED NEAR BOTTOM OF WALL

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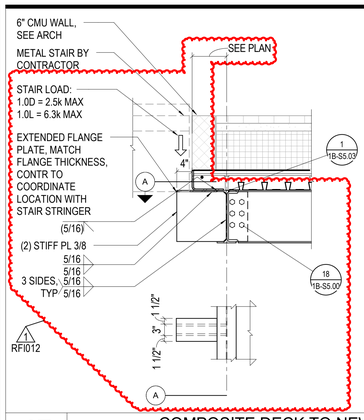
Date	Description
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Project Name
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Project Number
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Description
CONCRETE SUPPORTING STEEL DETAILS
Scale
As indicated

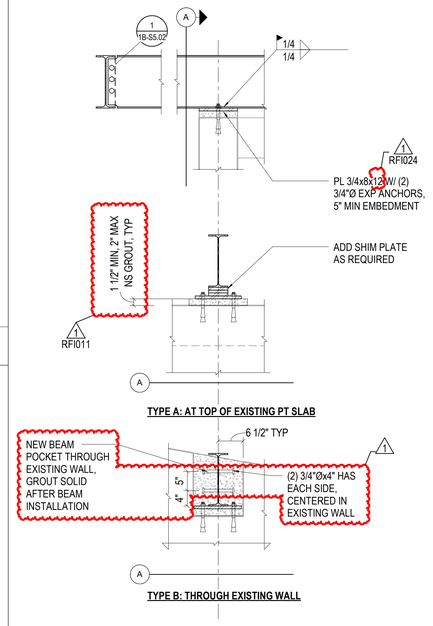
1B-S3.50

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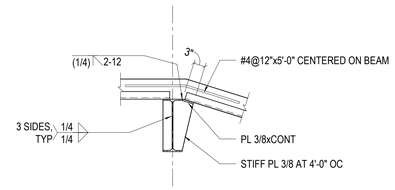
DESIGNERS: NIC MARTIN
LEAD REVIT TECH:COLIN MONNES
DATE PRINTED:6/28/2021 4:51:32 PM
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MM JOB #: 20.1411.5.01
PRINCIPAL: KELLY KNOWLES
EOR: KELLY KNOWLES
PROJECT MANAGER: C. A. CHEN



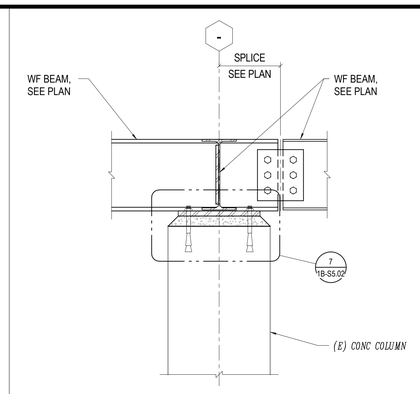
17 3/4" = 1'-0" COMPOSITE DECK TO NEW METAL STAIR



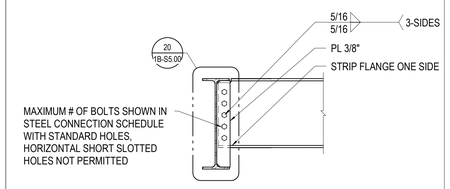
14 3/4" = 1'-0" NEW STEEL ON EXISTING SLAB



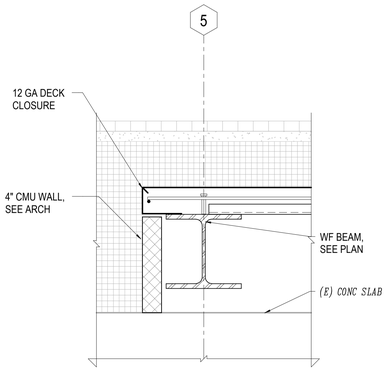
9 3/4" = 1'-0" SLOPED SLAB TRANSITION



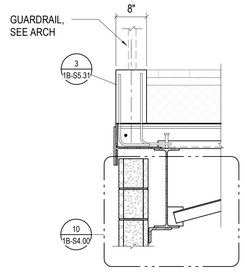
5 1" = 1'-0" BEAM CONNECTION AT (E) COLUMN



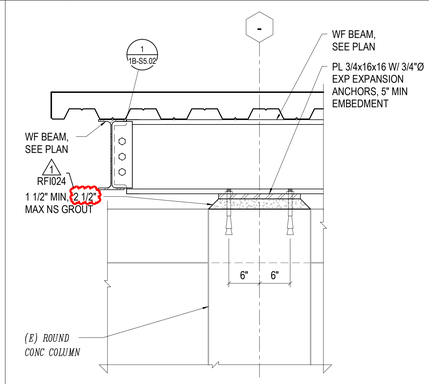
1 3/4" = 1'-0" TYPICAL FULL HEIGHT SHEAR CONNECTION



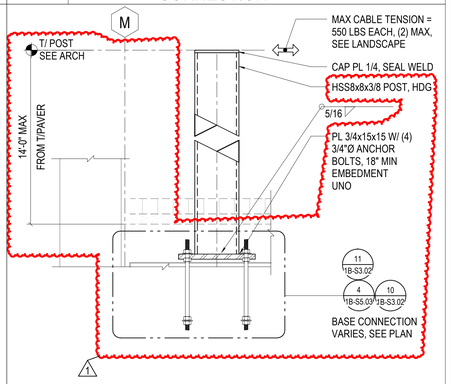
18 1" = 1'-0" SLAB TRANSITON AT GRID 5



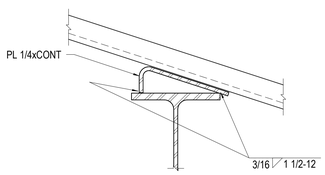
10 3/4" = 1'-0" EXTERIOR SLAB EDGE ALONG GRID 7



6 1" = 1'-0" BEAM CONNECTION AT (E) ROUND COLUMN

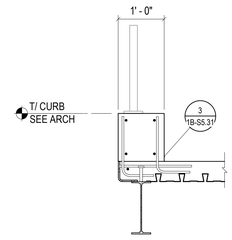


2 NO SCALE CATENARY LIGHT POST

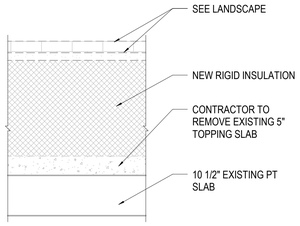


NOTE:
1. PLATE REQUIRED WHEN SLOPE IS 1/2:12 OR STEEPER

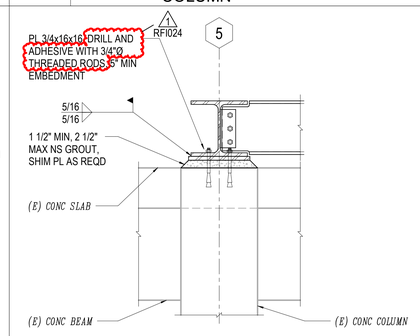
19 3" = 1'-0" TYP METAL DECK AT BEAM PERPENDICULAR TO SLOPE



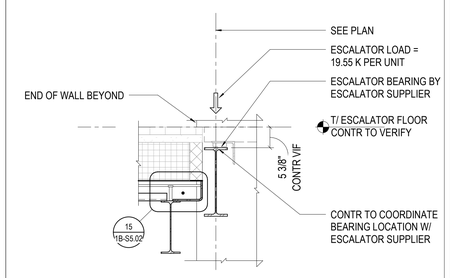
15 3/4" = 1'-0" EXTERIOR SLAB EDGE



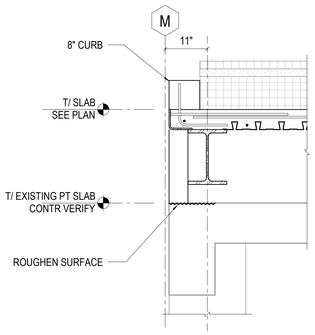
11 3/4" = 1'-0" GOLDWALK INFILL SLAB



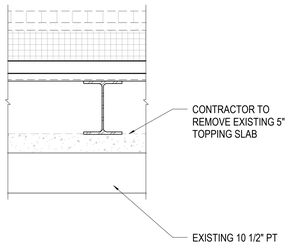
7 3/4" = 1'-0" BEAM CONNECTION AT (E) COLUMN



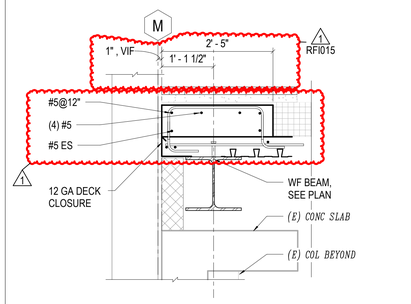
3 NO SCALE ESCALATOR TOP CONNECTION TO STEEL BEAM



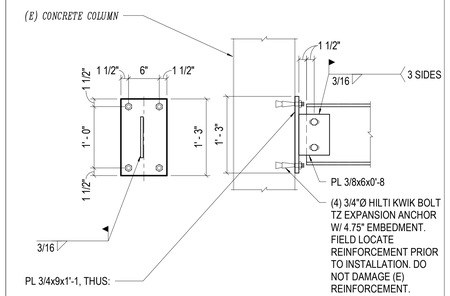
16 3/4" = 1'-0" NEW CURB ON STRUCTURAL STEEL



12 3/4" = 1'-0" GOLDWALK SLAB ON METAL DECK



8 3/4" = 1'-0" COMPOSITE SLAB EDGE ALONG GRID M



4 NO SCALE W-SHAPE TO (E) CONCRETE COLUMN

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COLORADO REGISTERED 38107 PROFESSIONAL ENGINEER
June 28, 2021

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△	Date	Description
-	2021.05.19	BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
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Project Name
SSRC | BASE AREA IMPROVEMENTS

Project Number
003.7835.000

Description
STEEL DETAILS

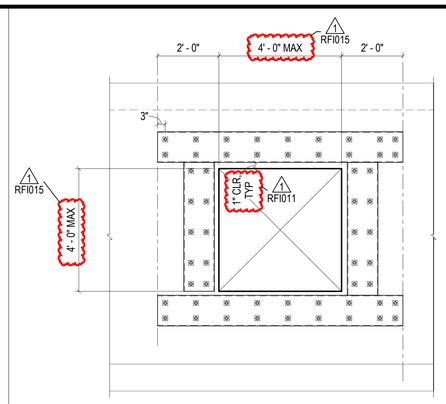
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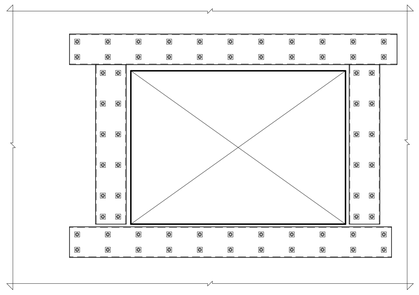
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MM JOB #: 20.1411.5.01
PRINCIPAL: KELLY KNOWLES
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PROJECT MANAGER: C. A. CHEN

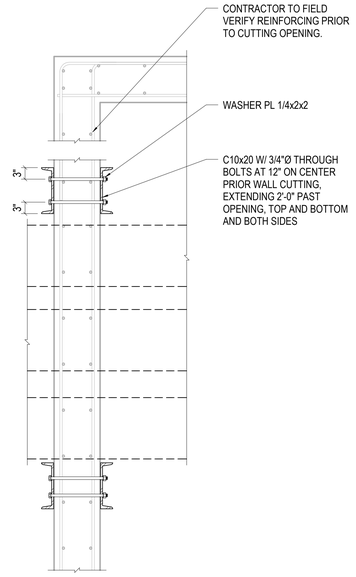


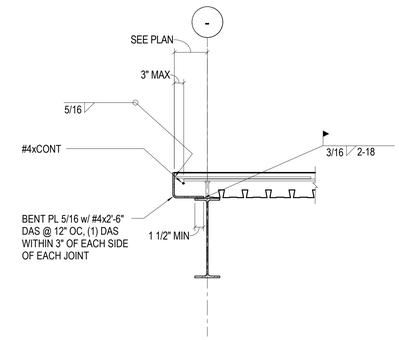
TYPE A: OPENING THROUGH SLAB WALL STEP



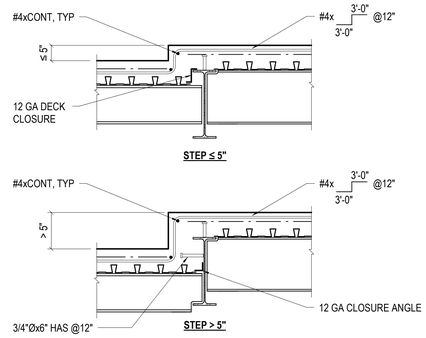
TYPE B: OPENING THROUGH SLAB WALL STEP

10 NO SCALE OPENING THROUGH EXISTING WALL

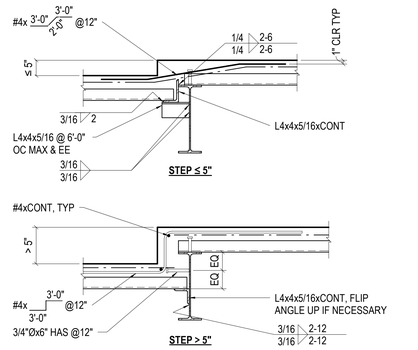




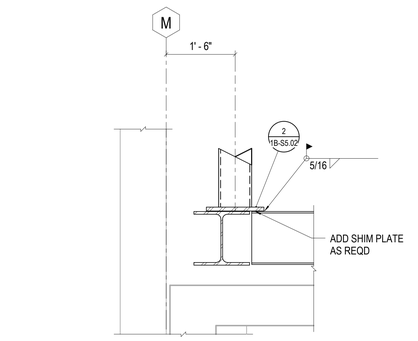
1 3/4" = 1'-0" TYPICAL EXTERIOR SLAB EDGE



2 3/4" = 1'-0" TYP SLAB STEP - DECK PARALLEL



3 3/4" = 1'-0" TYP SLAB STEP - DECK PERP



4 3/4" = 1'-0" LIGHT POLE AT STEEL BEAM

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SSRC | BASE AREA IMPROVEMENTS

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Description
STEEL DETAILS

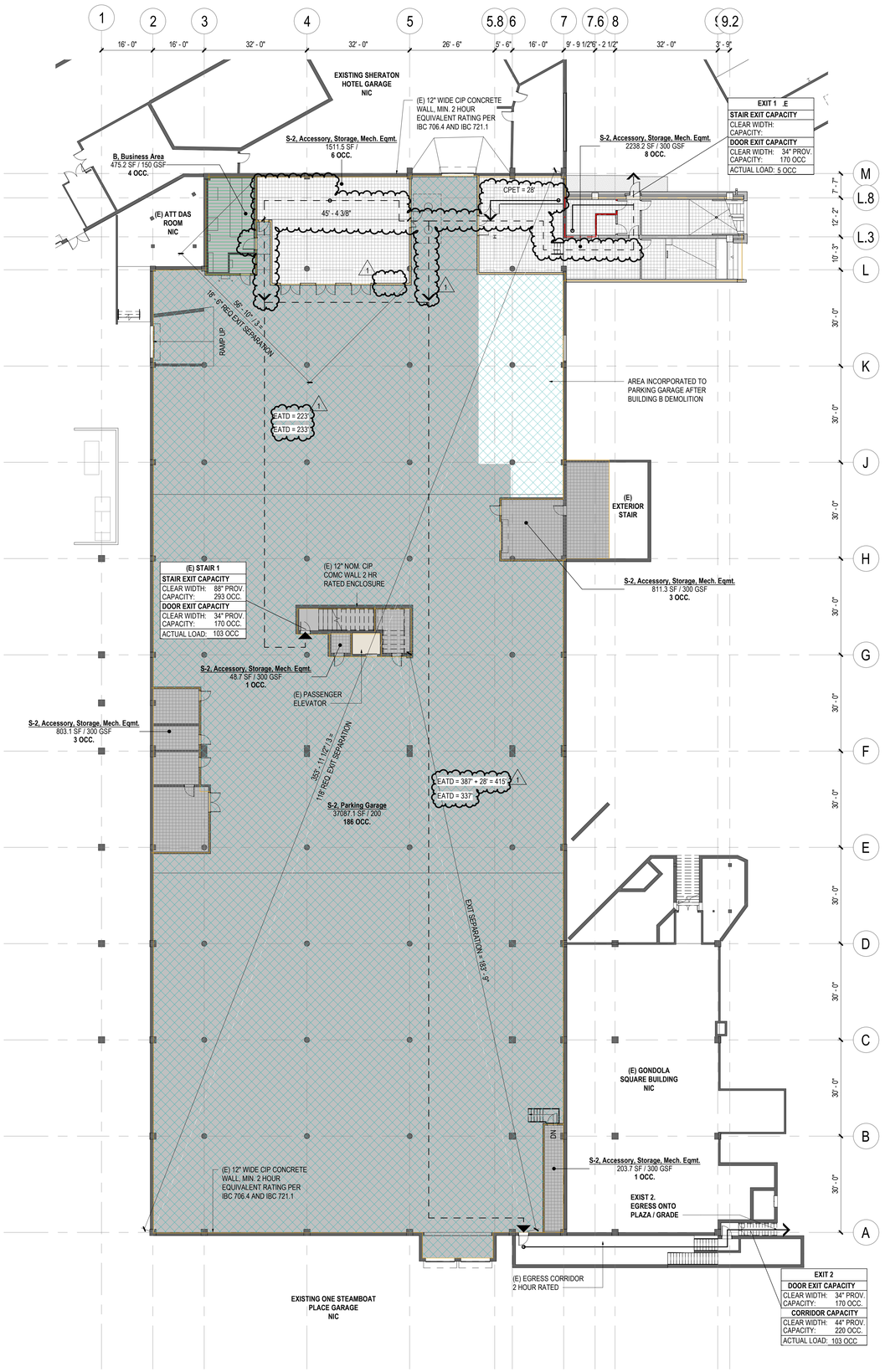
Scale
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PRINCIPAL: KELLY KNOWLES
FOR: KELLY KNOWLES
PROJECT MANAGER: C. A. CHEN

DESIGNERS: NIC MARTIN
LEAD REVIT TECH: COLIN MONNES
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01 EGRESS & OCCUPANCY PLAN - GARAGE

SCALE: 1/16" = 1'-0"

GRAPHIC SYMBOLS LEGEND

- EXIT ACCESS TRAVEL DISTANCE
- COMMON PATH OF TRAVEL
- SECURITY LOCATIONS
- X-X, FUNCTION — OCCUPANCY, FUNCTION OF SPACE
- 1HR FIRE BARRIER / 20MIN OPENINGS
- 1HR FIRE BARRIER / 45MIN OPENINGS
- 2HR FIRE BARRIER / 90MIN OPENINGS
- 3HR FIRE BARRIER

FUNCTION LEGEND (OCCUPANT LOAD)

- ASSEMBLY, UNCONC.
- ASSEMBLY, CONC.
- BUSINESS AREA
- MERCANTILE
- KITCHENS, COMMERCIAL
- NOT IN SCOPE
- RESIDENTIAL
- ACCESS. STORAGE, MECHANICAL
- EXERCISE ROOM
- LOCKER ROOM
- PARKING GARAGE

SHEET NOTES

1. EGRESS ALLOWED IN DIRECTION OF EGRESS TRAVEL.
2. HVAC SHAFT FOR PARKING GARAGE NOT INCLUDED IN FLOOR GROSS.

EGRESS REQUIREMENTS - LEVEL 00, 01

TOTAL GROSS AREA - ENTIRE LEVEL:	APPROX. 42,807 SF
TOTAL AREA IN SCOPE:	APPROX. 5,144 SF
TENANT OCCUPANT LOAD CALCULATIONS:	IBC TABLE 1004.1.2
S-2 (300 GSF/PERSON):	201 OCCUPANTS
BUSINESS (100 GSF/PERSON):	15 OCCUPANTS
TOTAL:	211 OCCUPANTS
EGRESS WIDTH REQUIREMENTS:	
OTHER EGRESS COMPONENTS	IBC 1005.3.2
REQUIRED (.2 IN/OCCUPANT):	43 INCHES
PROVIDED AT EXIT STAIR DOORS:	102 INCHES
EXIT STAIR WIDTH	IBC 1005.3.1
REQUIRED (.3 IN/OCCUPANT)	64 INCHES
PROVIDED AT EXIT STAIRS AND EXIT CORRIDOR	513 INCHES
MINIMUM WIDTH OF EGRESS CORRIDOR REQUIRED:	IBC 1020.2 44 INCHES
MINIMUM WIDTH OF EGRESS CORRIDOR PROVIDED:	44 INCHES
MINIMUM NUMBER OF EXITS REQUIRED:	IBC TABLE 1006.3.1 2 EXITS
NUMBER OF EXITS PROVIDED:	3 EXITS
MAXIMUM LENGTH OF EGRESS TRAVEL:	IBC TABLE 1017.2 FOOTNOTE C 400 FEET (STORAGE)
MAXIMUM COMMON PATH OF TRAVEL:	IBC 1006.2.1 FOOTNOTE A 100 FEET (STORAGE)
MAXIMUM DEAD END CORRIDOR:	IBC 1020.4 EXCEPTION 2 50 FEET
REMOTENESS OF EXITS:	
LONGEST DIAGONAL	SEE PLAN
REMOTENESS OF EXITS	

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United States
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Date	Description
- 2021.05.19	BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
1 2021.06.25	BP3: GOLDWALK - BULLETIN 02

Seal / Signature

STATE OF COLORADO · JOSH CHARLES GIBBONS · 203617 · LICENSED ARCHITECT

06.25.2021

Project Name

SSRC | BASE AREA IMPROVEMENTS

Project Number

003.7835.000

Description

EGRESS & OCCUPANCY PLAN - LEVEL 01

Scale

As indicated

1B-G3.101

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HARDWARE SETS

GENERAL DESCRIPTION : REFER TO SPECIFICATIONS FOR SPECIFIC REQUIREMENTS

SET #30 - Goldwalk Boiler Room

Door: GW100A

6	Hinges	CB179 4 1/2 X 4 1/2 NRP	652	ST
1	Set Auto Flush Bolts	3810 X 3810	626	TR
1	Dust Proof Strike	3911	630	TR
1	Lockset	M9080D L110A RB-Kwy	626	DM
1	Coordinator	3093	626	TR
1	Closer (inactive)	HD7016 SPA	689	BE
*1	Hold Open Closer	8916 EMF/PT	689	DM
2	Kick Plates	K0050 10" x 2" LDW B4E CS	630	TR
2	Floor Stops	W1211	630	TR
1	Gasket	5050B Head & Jambs		NA
1	Sweep	A605 A SMS-TEKS		NA
*1	Wire Harness	WH-8E		ST
*1	Wire Harness	WH-192		ST
1	Power Supply	DKPS-2A		RC
1	Thermal Break Threshold	Aluminum		

Astragal on inactive leaf by door manufacturer. Hold open must release on alarm. Mount stops not to pose a tripping hazard.

SET #31 - Goldwalk Boiler Room

Doors: GW100C, GW100D, GW100E

8	Hinges	CB179 4 1/2 X 4 1/2 NRP	652	ST
1	Set Auto Flush Bolts	3810 X 3810	626	TR
1	Dust Proof Strike	3911	630	TR
1	Lockset	M9080D L110A RB-Kwy	626	DM
1	Coordinator	3093	626	TR
*2	Hold Open Closers	8916 EMF/PT	689	DM
2	Kick Plates	K0050 10" x 2" LDW B4E CS	630	TR
2	Floor Stops	W1211	630	TR
1	Gasket	5050B Head & Jambs		NA
2	Sweeps	A605 A SMS-TEKS		NA
*2	Wire Harnesses	WH-8E		ST
*2	Wire Harnesses	WH-192		ST
*1	Power Supply	DKPS-2A		RC

Astragal on inactive leaf by door manufacturer. Hold open must release on alarm. Mount stops not to pose a tripping hazard.

SET #32 - Goldwalk Storage

Door: GW101

8	Hinges	CB179 4 1/2 X 4 1/2	652	ST
1	Set Auto Flush Bolts	3810 X 3810	626	TR
1	Dust Proof Strike	3911	630	TR
1	Lockset	M9080D L110A RB-Kwy	622	DM
1	Coordinator	3094 Series	BLK	TR
2	Closers	HD7016 JT	689	BE
2	Kick Plates	K0050 10" x 2" LDW B4E CS	630	TR
2	Floor Stops	W1211	630	TR
1	Gasket	5050B Head & Jambs		NA
2	Sweeps	A605 A SMS-TEKS		NA

Astragal on inactive leaf by door manufacturer. Mount stops not to pose a tripping hazard.

SET #33A - Goldwalk Gate

Gate: GW101A

1	Weldable Lock Box	KBXMOR Series	600	KD
1	Lockset	M9080D L110A RB-Kwy	626	DM

Balance by the gate manufacturer.

SET #34 - Goldwalk Mechanical/Electrical

Doors: GW104, GW105, GW106, GW100F

3	Hinges	CB179 4 1/2 X 4 1/2 NRP	652	ST
1	Lockset	M9080D L110A RB-Kwy	626	DM
1	Kick Plate	K0050 10" x 2" LDW B4E CS	630	TR
1	Floor Stop	W1211	630	TR
1	Gasket	5050B Head & Jambs		NA

SET #34B - Goldwalk Mechanical/Electrical

Door: GW102

3	Hinges	CB179 4 1/2 X 4 1/2 NRP	652	ST
1	Lockset	M9080D L110A RB-Kwy	626	DM
1	Closer	HD7016 SPA	689	BE
1	Kick Plate	K0050 10" x 2" LDW B4E CS	630	TR
1	Floor Stop	W1211	630	TR
1	Gasket	5050B Head & Jambs		NA
1	Sweep	A605 A SMS-TEKS		NA

SET #35 - Goldwalk Mechanical Exterior

Door: GW103

3	Hinges	CB199 4 1/2 X 4 1/2 NRP	BLK	ST
1	Lockset	M9080D L110A RB-Kwy	622	DM
1	Closer/Stop	HD7016 SDS	693	BE
1	Kick Plate	K0050 10" x 2" LDW B4E CS	630	TR
1	Gasketing	700 NGBL SMS-TEKS		NA
1	Sweep	200 NGBL SMS-TEKS		NA
1	Threshold	898 NDKB MS/EA		NA

Do not cut weatherstrip - template hardware accordingly. Verify threshold application.

SET #36 - Goldwalk Vestibule

Door: GW106

3	Hinges	CB179 4 1/2 X 4 1/2 NRP	652	ST
1	Lockset	M9050D L110A RB-Kwy	626	DM
1	Closer	HD7016 SPA	689	BE
1	Kick Plate	K0050 10" x 2" LDW B4E CS	630	TR
1	Wall Stop	1270WV	630	TR
1	Gasket	5050B Head & Jambs		NA

SET #37 - Goldwalk - Retail - Card Access - Automatic

Door: GW300

1	Continuous Hinge	661HD EPT	BLK	ST
*1	Power Transfer	EPT-12C		PR
*1	Exit Device	9700BB D MLR MS RB-Kwy	693	DM
1	Offset Pull	RM4190 48" x 14XHD	BPC	RO
*1	Operator/Switches	Specified in Section 087113		
1	Sweep	200 NGBL SMS-TEKS		NA
1	Thermal Break Threshold	8426 GBL MS/EA		NA
*1	Wire Harness	WH-8E		ST
*1	Wire Harness	WH-12P		ST
*1	Wire Harness	WH-192		ST
*1	Power Supply	DKPS-2		RC

Card activation momentarily releases strike, energizes exterior operator switch and allows access. Inside operator switch always active. Card reader by security access. Coordinate operation per 1.05-A-6. Gaskets by door manufacturer. Verify threshold application.

SET #001 - Server Room

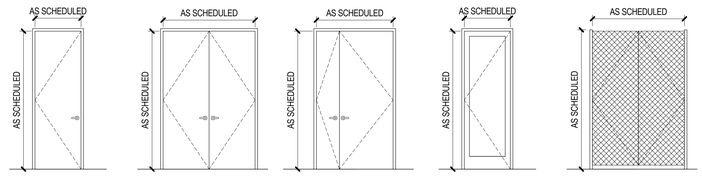
Door: GW100G

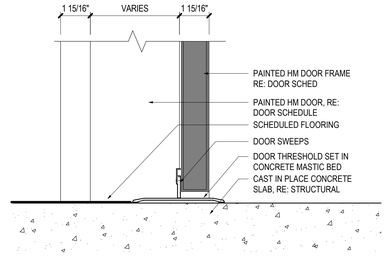
3	Hinges	Ball bearing
1	Lockset	Corridor Side: Card reader to an electric strike. Exterior trim lever. Vandal resistant Room Side: Panic Device
1	Closer	Surface mounted, overhead with integral stop
1	Kick Plate	Room side stainless steal
1	Seals	Smoke seals
1	Sweep	Surface mounted
1	Thermal Break Threshold	Aluminum

DOOR SCHEDULE

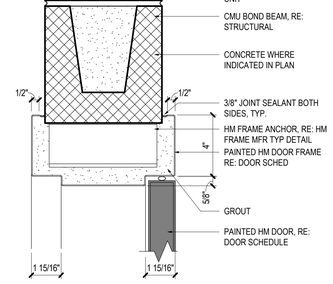
			WT					FRAME ASSEMBLY					ASSEMBLY RATING				
			DIMENSIONS											TEMP	SMOKE	HARDWARE	
NUMBER	LOCATION	TYPE	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	HEAD DETAIL	JAMB DETAIL	SILL DETAIL	MATERIAL	FINISH	FIRE RATING	RISE	LABEL	SET	REMARKS
GW100A	BOILER ROOM	C	5'-0"	7' - 0"	1 3/4"	HM	PT	H-04	J-04	S-01	HM	PT	-			30	
GW100C	BOILER ROOM	B	6'-0"	8' - 0"	1 3/4"	HM	PT	H-04	J-04	S-01	HM	PT	-			31	
GW100D	BOILER ROOM	B	6'-0"	8' - 0"	1 3/4"	HM	PT	H-04	J-04	S-01	HM	PT	-			31	
GW100E	BOILER ROOM	B	6'-0"	8' - 0"	1 3/4"	HM	PT	H-04	J-04	S-01	HM	PT	-			31	
GW101	STORAGE	B	6'-0"	8' - 0"	1 3/4"	HM	PT	H-04	J-04	S-01	HM	PT	-			32	
GW102	MECH	A	3'-0"	7' - 0"	1 3/4"	HM	PT	H-04	J-04	S-01	HM	PT	-			34	
GW100F	BOILER ROOM	A	3'-0"	7' - 0"	1 3/4"	HM	PT	H-04	J-04	S-01	HM	PT				34	
GW100G	SERVER ROOM	EXIST	3'-6"	7' - 0"	1 3/4"	HM	PT	H-04	J-04	S-01	HM	PT	45 MIN			001	
GW104	MECH	A	3'-0"	7' - 0"	1 3/4"	HM	PT	H-04	J-04	S-01	HM	PT	-			34	
GW103	VESTIBULE	A	3'-0"	7' - 0"	1 3/4"	HM	PT	H-04	J-04	S-01	HM	PT	-			35	
GW104	MECH	A	3'-0"	7' - 0"	1 3/4"	HM	PT	H-04	J-04	S-01	HM	PT	-			34	
GW105	STAIR ACCESS	A	3'-0"	7' - 0"	1 3/4"	HM	PT	H-04	J-04	S-01	HM	PT	-			34	
GW106	VESTIBULE	A	3'-0"	7' - 0"	1 3/4"	HM	PT	H-04	J-04	S-01	HM	PT	-			36	
GW107	ESCALATOR ACCESS	A	3'-0"	7' - 0"	1 3/4"	HM	PT	H-04	J-04	S-01	HM	PT	-			34	
GW300	BUILDING A	D	3'-0"	9' - 0"	2"	AL / TG	MATCH SF1	04/1B-G6.001	04/1B-G6.001		AL	MATCH SF1	-			37	

DOOR AND FRAME TYPES



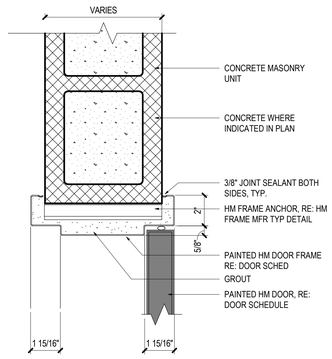


03 S-01
SCALE: 3" = 1'-0"



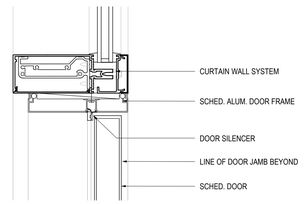
*DOOR SWING VARIES W/ EGRESS PATH

02 H-04
SCALE: 3" = 1'-0"



*DOOR SWING VARIES W/ EGRESS PATH

01 J-04
SCALE: 3" = 1'-0"



04 ALUM FRAME - CURTAINWALL - HEAD & JAMB
SCALE: 3" = 1'-0"

GEN. NOTES DOOR

A. G.C. TO PROVIDE COMPLETE DOOR/HARDWARE PACKAGE TO FUNCTION AS INDICATED. ALL DOORS AND HARDWARE SHALL BE BUILDING STANDARD, U.O.N. SUBMIT COMPLETE SPECS TO ARCHITECT FOR REVIEW AND APPROVAL.

B. ALL HARDWARE TO MEET ANSI 117.1 AND ADAAG 2010 AND ALL ACCESSIBILITY REQUIREMENTS. SEE REQUIRED CLEARANCES AND MOUNTING HEIGHTS SHEET.

C. CONTRACTOR TO FIELD VERIFY CONDITION, HAND, THROAT SIZE AND WORKABILITY OF ALL DOORS AND HARDWARE; REPAIR OR REPLACE AS REQUIRED.

D. HINGES AT RATED ASSEMBLIES SHALL BE BALL BEARING.

E. 90 MIN. ASSEMBLIES SHALL HAVE METAL THRESHOLDS.

F. LOCK CYLINDERS AND KEYS SHALL BE COORDINATED WITH BUILDING OWNER.

G. THE BOTTOM 10" OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING SHALL HAVE A SMOOTH, UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION.

H. HAND-ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 30" AND 44" A.F.F. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND ARE IN THE PATH OF TRAVEL SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER-TYPE HARDWARE, PANIC BARS OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE HARDWARE.

DOOR ABBREV.

AL =	ALUMINUM	HM =	HOLLOW METAL
BS =	BLDG STANDARD	NR =	NON FIRE RATED
CH =	CHAINLINK	PG =	PAINT GRADE
CL =	CLEAR	PT =	PAINT
(E) =	EXISTING	SC =	SOLID CORE
FH =	FULL HEIGHT	STL =	STEEL
FR =	FIRE RATED	ST =	STAIN
GA =	GALVANIZED	TG =	TEMPERED GLASS
GL =	GLASS	WD =	WOOD
HC =	HOLLOW CORE		

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Date	Description
-	2021.05.19 BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
1	2021.06.25 BP3: GOLDWALK - BULLETIN 02

Seal / Signature

STATE OF COLORADO
JACQUELINE G. GABRIEL
203617
LICENSED ARCHITECT
06.25.2021

Project Name

SSRC | BASE AREA IMPROVEMENTS

Project Number

003.7835.000

Description

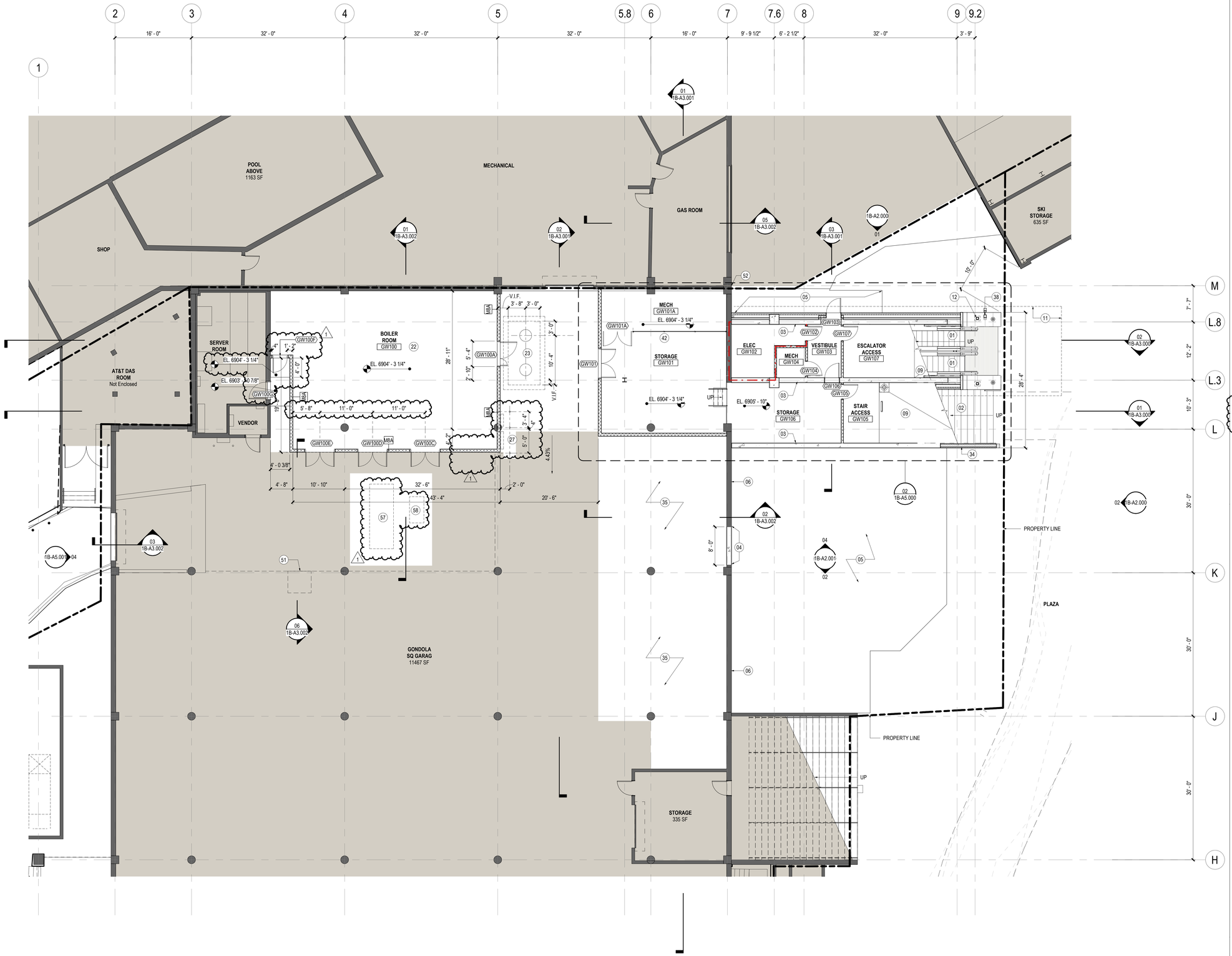
DOOR SCHEDULE AND DETAILS

Scale

As indicated

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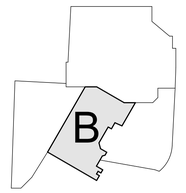
01 CONSTRUCTION PLAN - LEVEL 01
SCALE: 1/8" = 1'-0"

SHEET NOTES

01 [N] SET OF 2 EXTERIOR GRADE ESCALATORS. NOMINAL STEP WIDTH TO BE 40", 3 STEP LANDING, INTEGRATED SKIRT LIGHTING AND STAINLESS STEEL BALLUSTRADES.
02 [N] CONCRETE STAIR CN5 WITH SNOWMELT SYSTEM
03 STRUCTURAL CONCRETE WALL. RE: STRUCTURAL
04 CONTRACTOR TO PROVIDE INFILL WALL AT WALL OPENING. PROVIDE WEATHERPROOF ENCLOSURE TIE TO SURROUNDING WALL AND SLAB WEATHERPROOFING MEMBRANE
05 NEW PLAZA PAVERS, RE: LANDSCAPE
06 [E] WALL AND SLAB TO REMAIN. PROVIDE TEMPORARY WEATHER PROOF MEMBRANE OVER WALL. TIE TO WEATHERPROOFING MEMBRANE AT SLAB. ENTIRE ASSEMBLY TO PROVIDE WEATHER-TIGHT BARRIER FROM EXTERIOR TO INTERIOR PARKING GARAGE. WEATHERPROOFING MEMBRANE TO SLOPE TO DRAIN AT HORIZONTAL SLAB.
09 STAIR AND ESCALATOR PIT, RE: ENLARGED PLAN AND STRUCTURAL
11 OUTLINE OF ESCALATOR CANOPY ABOVE. RE: ROOF PLAN
12 ESCALATOR CANOPY STRUCTURE, RE: ELEVATIONS AND STRUCTURAL
22 [N] BOILER PLANT AND ASSOCIATED EQUIPMENT, FLUE, AND AIR INTAKE. RE: STEAMBOAT BASE VILLLAGE REDEVELOPMENT PACKAGE - LANDSCAPE ARCHITECTURE, 100% DESIGN DEVELOPMENT PACKAGE, ISSUED: MARCH 9, 2021, SITE MECHANICAL SERIES FOR MORE INFORMATION
23 [E] TELECOM VAULT UNDER GARAGE SLAB TO REMAIN IN SERVICE DURING CONSTRUCTION
27 ELECTRICAL EQUIPMENT. PROVIDE 4" DIAMETER ROUND BOLLARDS TO PROTECT EQUIPMENT FROM VEHICLES. RE ELECTRICAL, COORDINATE FINAL LOCATION WITH ELECTRICAL EQUIPMENT
34 CONTRACTOR TO PROVIDE CODE COMPLIANT TEMPORARY GUARDRAIL AND HANDRAIL AT STAIR AND WHERE TEMPORARY CONDITIONS EXIST. PROVIDE WEATHERPROOF ENCLOSURE TIE TO SURROUNDING WALL
35 PATCH AND REPAIR ANY DAMAGES TO SLAB, WALLS, AND CEILINGS BY DEMOLITION WHERE REQUIRED FOR TEMPORARY PARKING AND OPEN STORAGE USE. CONTRACTOR TO PROVIDE TEMPORARY LIGHTING AS REQUIRED BY OWNER
38 DOWNSPOUT TO FOLLOW COLUMN GEOMETRY. DOWNSPOUT TO BE ROUTED INSIDE WALL CAVITY WITH DOWNSPOUT TO PIPE ADAPTER AND DRAIN TO THE EXTERIOR THROUGH NOZZLE. RE: PLANS, ELEVATIONS, WALL SECTIONS, AND DETAILS.
42 (2) 3'-0" X 7'-0" CHAIN LINK DOORS WITH STORAGE ROOM LOCK AND CHAIN LINK FENCE
51 OUTLINE OF BOILER FLUE VENT LOCATION ABOVE AND STRUCTURE
52 VERTICAL EXPANSION JOINT, BOD WABO SEISMIC WEATHER SEAL (SIAS)
57 NEW GREASE INTERCEPTOR BELOW GARAGE SLAB, RE: PLUMBING
58 NEW SAND AND OIL INTERCEPTOR BELOW GARAGE SLAB, RE: PLUMBING

GENERAL NOTES

KEY PLAN



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STATE OF COLORADO JOSEPH C. HUNT 203617 LICENSED ARCHITECT
06.25.2021

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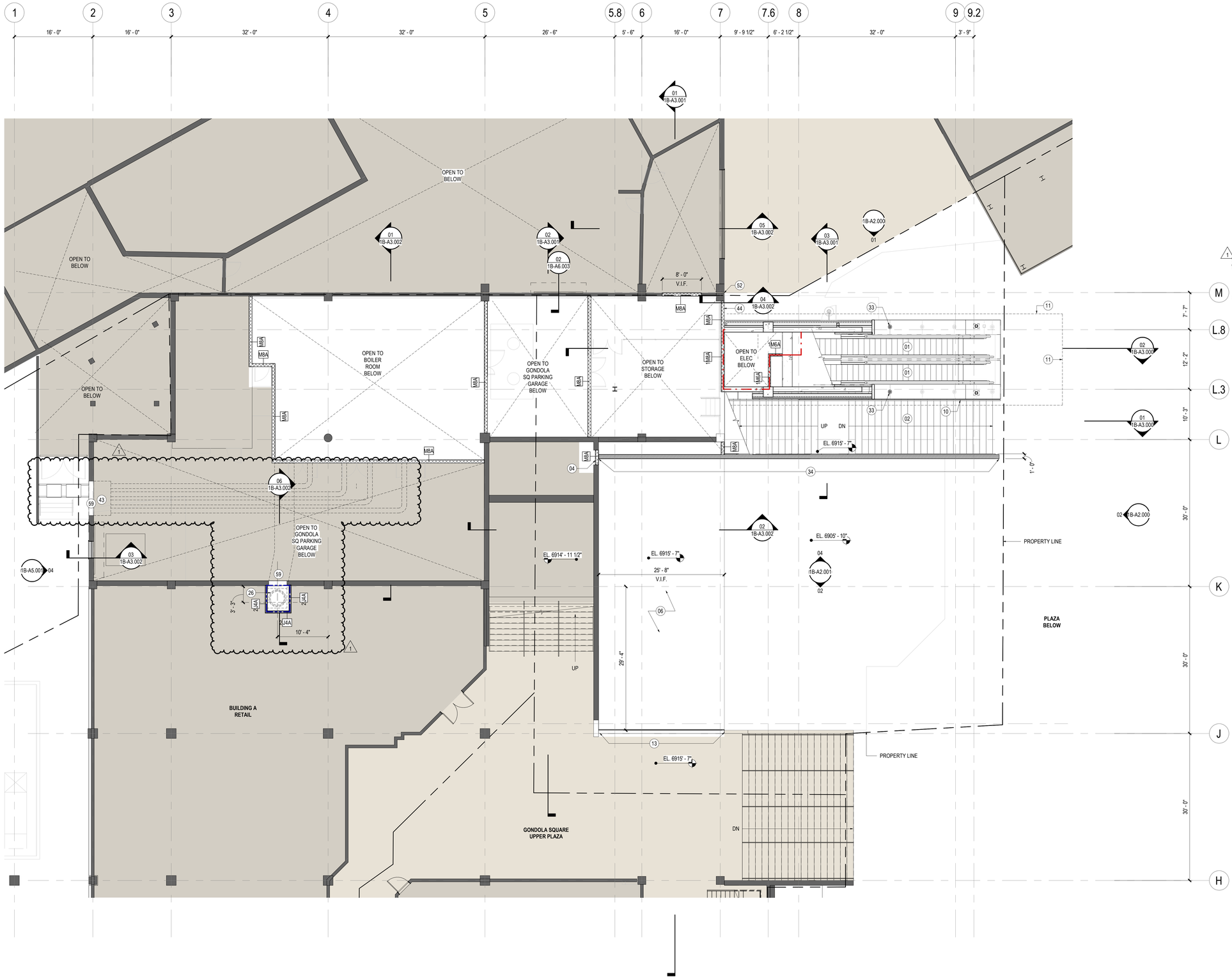
Project Number
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Description
GOLD WALK - CONSTRUCTION PLAN - LEVEL 01

Scale
1/8" = 1'-0"

1B-A1.101

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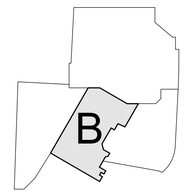
01 CONSTRUCTION PLAN - LEVEL 02
SCALE: 1/8" = 1'-0"

SHEET NOTES

01 [N] SET OF 2 EXTERIOR GRADE ESCALATORS. NOMINAL STEP WIDTH TO BE 40", 3 STEP LANDING, INTEGRATED SKIRT LIGHTING AND STAINLESS STEEL BALLUSTRADES.
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06 [E] WALL AND SLAB TO REMAIN. PROVIDE TEMPORARY WEATHER PROOF MEMBRANE OVER WALL. TIE TO WEATHERPROOFING MEMBRANE AT SLAB. ENTIRE ASSEMBLY TO PROVIDE WEATHER-TIGHT BARRIER FROM EXTERIOR TO INTERIOR PARKING GARAGE. WEATHERPROOFING MEMBRANE TO SLOPE TO DRAIN AT HORIZONTAL SLAB.
10 STAIR HANDRAIL ATTACHED TO WALL, RE: RAIL DETAILS
11 OUTLINE OF ESCALATOR CANOPY ABOVE. RE: ROOF PLAN
13 CONTRACTOR TO PROVIDE TEMPORARY BARRIER
26 [N] BOILER FLUE VENT, RE: MECHANICAL
33 F10 LIGHT FIXTURE. [N] INGROUND CANOPY UPLIGHTING FIXTURES. FIXTURES TO BE RECESSED ON THE TOP SURFACE OF EACH OF THE ESCALATOR SIDE WALLS. RE SECTION AND ELEVATIONS. BASIS OF DESIGN WE-EF INGROUND LUMINAIRE ETC330-FS TW LED, 19W, WITH LINEAR LOUVER 185-7172. POWER AND LIGHTING CONTROLS TO BE INCLUDED IN FUTURE ELECTRICAL DELIVERABLES REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION
34 CONTRACTOR TO PROVIDE CODE COMPLIANT TEMPORARY GUARDRAIL AND HANDRAIL AT STAIR AND WHERE TEMPORARY CONDITIONS EXIST. PROVIDE WEATHERPROOF ENCLOSURE TIE TO SURROUNDING WALL
1 43 NEW OPENING FOR BOILER INTAKE LOUVER, RE: MECHANICAL, STRUCTURAL
44 PARGE COAT AND PAINT TO MATCH ADJACENT
52 VERTICAL EXPANSION JOINT, BOD WABO SEISMIC WEATHER SEAL (SWS)
59 NEW OPENING IN CIP WALL, RE: STRUCTURAL

GENERAL NOTES

KEY PLAN



Steamboat
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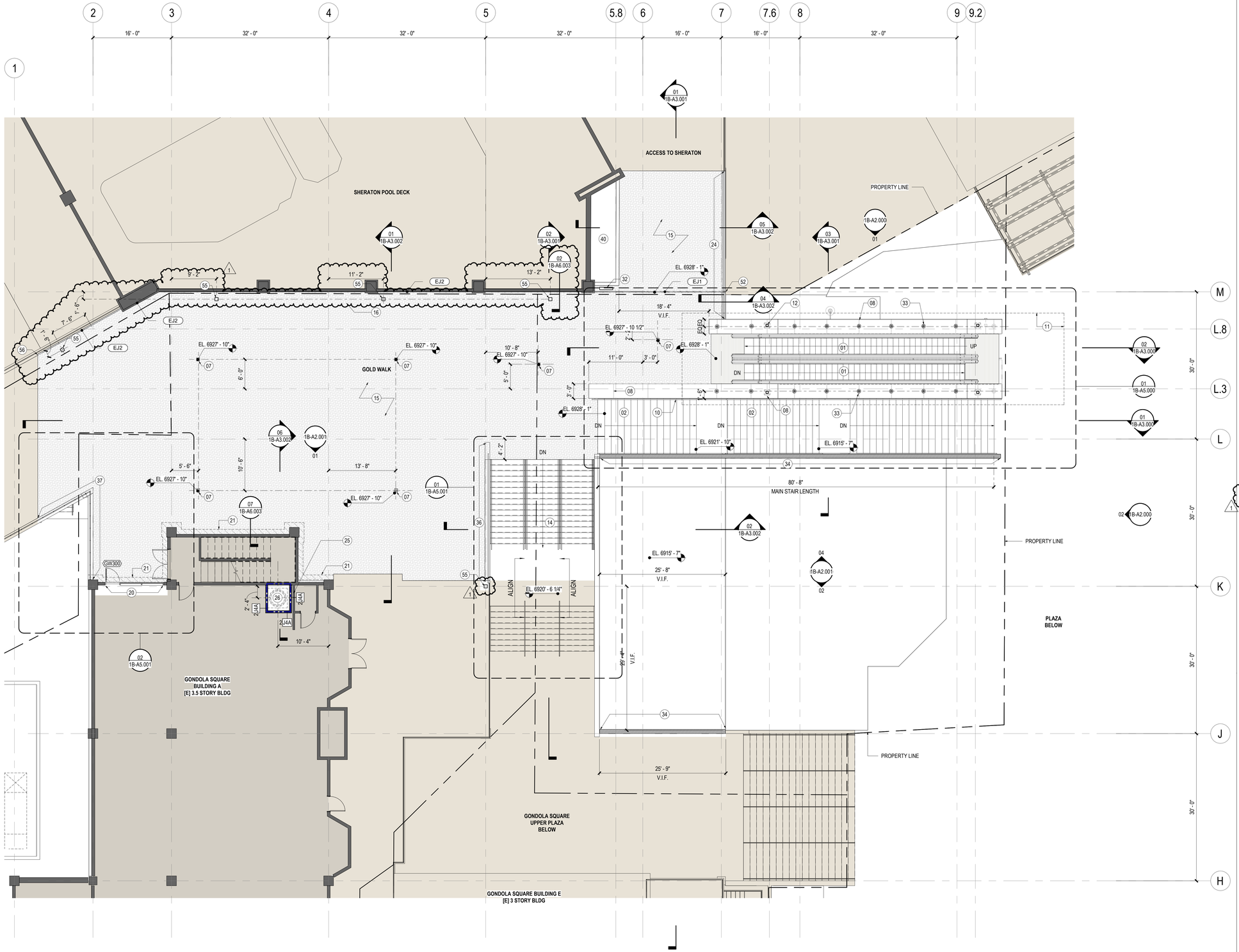
Project Number
003.7835.000

Description
GOLD WALK - CONSTRUCTION PLAN - LEVEL 02

Scale
1/8" = 1'-0"

1B-A1.102

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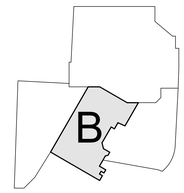
01 CONSTRUCTION PLAN - LEVEL 03
SCALE: 1/8" = 1'-0"

SHEET NOTES

01 [N] SET OF 2 EXTERIOR GRADE ESCALATORS. NOMINAL STEP WIDTH TO BE 40", 3 STEP LANDING, INTEGRATED SKIRT LIGHTING AND STAINLESS STEEL BALLUSTRADES.
02 [N] CONCRETE STAIR CN5 WITH SNOWMELT SYSTEM
07 BI-LEVEL AREA DRAIN, RE: PLUMBING, SLOPE PAVERS TO DRAIN, RE: CIVIL
08 ST2 STONE CAP JOINT, TYP
10 STAIR HANDRAIL ATTACHED TO WALL, RE: RAIL DETAILS
11 OUTLINE OF ESCALATOR CANOPY ABOVE. RE: ROOF PLAN
12 ESCALATOR CANOPY STRUCTURE, RE: ELEVATIONS AND STRUCTURAL
14 CONTRACTOR TO PROVIDE TEMPORARY METAL GRATE STAIR TO MATCH [E] STAIR TREAD RISE / RUN AND RAILINGS. RE: ENLARGED AND SECTION DETAILS
15 [N] RAISED FLOORING AT GOLDWALK BY OTHERS. RE: LANDSCAPE & STRUCTURAL.
16 [N] ART WALL, RE: LANDSCAPE
20 [N] 9FT DOOR AND STOREFRONT SYSTEM SF1. STRUCTURAL MODIFICATIONS AS REQUIRED TO SUPPORT NEW OPENING.
21 MODIFICATIONS OF EXISTING FACADE AT INTERACTION WITH NEW GOLD WALK FINISH ELEVATION REQUIRED. EXACT ASSEMBLY TBD. LIKELY SCOPE: REMOVAL OF EXISTING EXTERIOR MATERIAL TO 6" ABOVE NEW FINISH GRADE. NEW SHEATHING MATERIAL ON EXISTING STRUCTURE. NEW INSULATION. WATERPROOFING MEMBRANE TO EXTEND UP NEW SHEATHING MATERIAL, FLASHING TRANSITION BETWEEN NEW MEMBRANE AND REMAINING EXISTING FACE MATERAILS ABOVE.
24 [N] GUARDRAIL GR01, RE: EXTERIOR MATERIAL SCHEDULE AND RAIL DETAILS
25 [N] BOILER FLUE VENT ENCLOSURE SHAFTWALL BELOW ROOF. WALL ASSEMBLY TO BE METAL STUD, SHEATHING, WB, T-11 SIDING.
26 [N] BOILER FLUE VENT, RE: MECHANICAL
32 EXISTING SHERATON SIGN TO BE REPLACED IN SAME LOCATION AT NEW ELEVATION, PROVIDE POWER, RE: ELECTRICAL
33 F10 LIGHT FIXTURE. [N] INGROUND CANOPY UPLIGHTING FIXTURES. FIXTURES TO BE RECESSED ON THE TOP SURFACE OF EACH OF THE ESCALATOR SIDE WALLS. RE SECTION AND ELEVATIONS. BASIS OF DESIGN WE-EF INGROUND LUMINAIRE ETC330-FS TW LED, 19W, WITH LINEAR LOUVER 185-7172. POWER AND LIGHTING CONTROLS TO BE INCLUDED IN FUTURE ELECTRICAL DELIVERABLES.REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION
34 CONTRACTOR TO PROVIDE CODE COMPLIANT TEMPORARY GUARDRAIL AND HANDRAIL AT STAIR AND WHERE TEMPORARY CONDITIONS EXIST. PROVIDE WEATHERPROOF ENCLOSURE TIE TO SURROUNDING WALL
36 [N] GUARDRAIL GR4 RE: ENLARGED PLANS AND DETAILS
37 [N] GUARDRAIL GR3 RE: ENLARGED PLANS AND DETAILS
40 EXISTING PLANTER TO REMAIN. EXTEND PLANTER WALLS AND WATERPROOFING UP TO NEW GOLD WALK ELEVATION. RESTORE PLANTING AND IRRIGATION SYSTEMS AT NEW GOLD WALK ELEVATION, RE: LANDSCAPE
52 VERTICAL EXPANSION JOINT, BOD WABO SEISMIC WEATHER SEAL (SWS)
55 HSS LIGHT POST, RE: STRUCTURAL
56 TERMINATE EJ2 AT EXISTING EXPANSION JOINT

GENERAL NOTES

KEY PLAN



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△	Date	Description
-	2021.05.19	BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
1	2021.06.25	BP3: GOLDWALK - BULLETIN 02

Seal / Signature

STATE OF COLORADO
JOSEPH CHARLES CUTSHALL
203617
LICENSED ARCHITECT
06.25.2021

Project Name
SSRC | BASE AREA IMPROVEMENTS

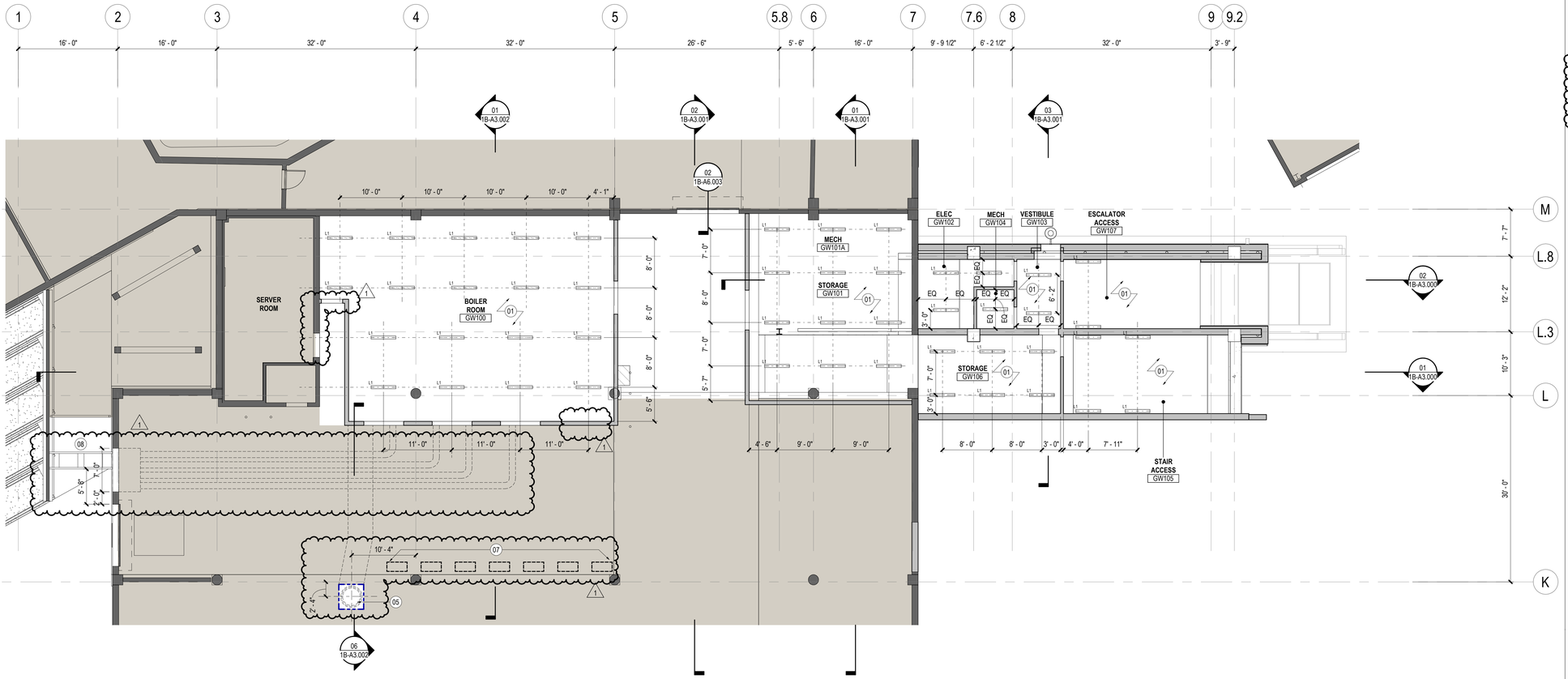
Project Number
003.7835.000

Description
GOLD WALK - CONSTRUCTION PLAN - LEVEL 03

Scale
1/8" = 1'-0"

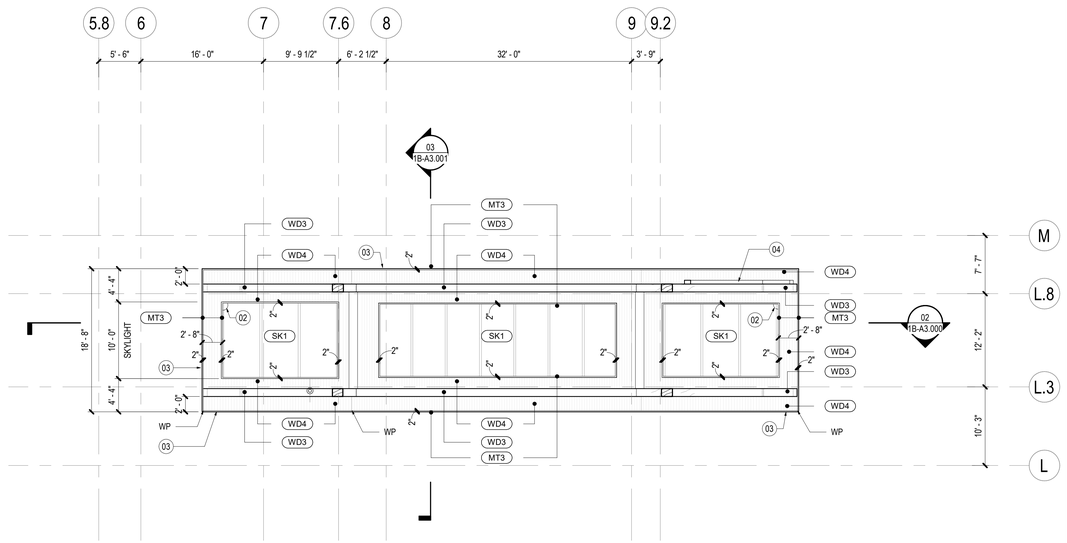
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02 REFLECTED CEILING PLAN - LEVEL 01

SCALE: 1/8" = 1'-0"



01 REFLECTED CEILING PLAN -CANOPY

SCALE: 1/8" = 1'-0"

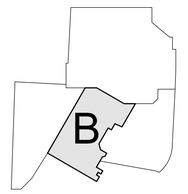
SHEET NOTES

01 EXPOSED CEILING
02 SECURITY CAMERA LOCATION, RE: TECHNOLOGY
03 MT3 FASCIA WITH PRE-FORMED CORNER PIECE, TYPICAL ALL CORNERS. RE: ELEVATIONS AND CANOPY DETAILS
04 DOWNSPOUT TO FOLLOW COLUMN GEOMETRY. DOWNSPOUT TO BE ROUTED INSIDE WALL CAVITY WITH DOWNSPOUT TO PIPE ADAPTER AND DRAIN TO THE EXTERIOR THROUGH NOZZLE. RE: PLANS, ELEVATIONS, WALL SECTIONS, AND DETAILS.
05 RE:BOILER FLUE VENT, RE: MECHANICAL
07 SPLIT SYSTEM CONDENSING UNITS. GC TO PROVIDE NECESARRY STEEL BRACKETS FOR CONDENSING UNITS INSTALLATION. RE: MECHANICAL DRAWINGS FOR MORE INFORMATION.
08 EXISTING CONDENSERS, VERIFY EXACT LOCATION IN FIELD. COORDINATE NEW BOILER INTAKE OPENING WITH EXISTING CONDITIONS

GENERAL NOTES

1. REFER TO ELECTRICAL DRAWINGS FOR LIGHT FIXTURE INFORMATION
2. ALL L1 FIXTURES TO BE MOUNTED TO 10FT AFF

KEY PLAN



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STATE OF COLORADO JOSHUA CHARLES CAMPBELL 203617 LICENSED ARCHITECT

06.25.2021

Project Name

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Project Number

003.7835.000

Description

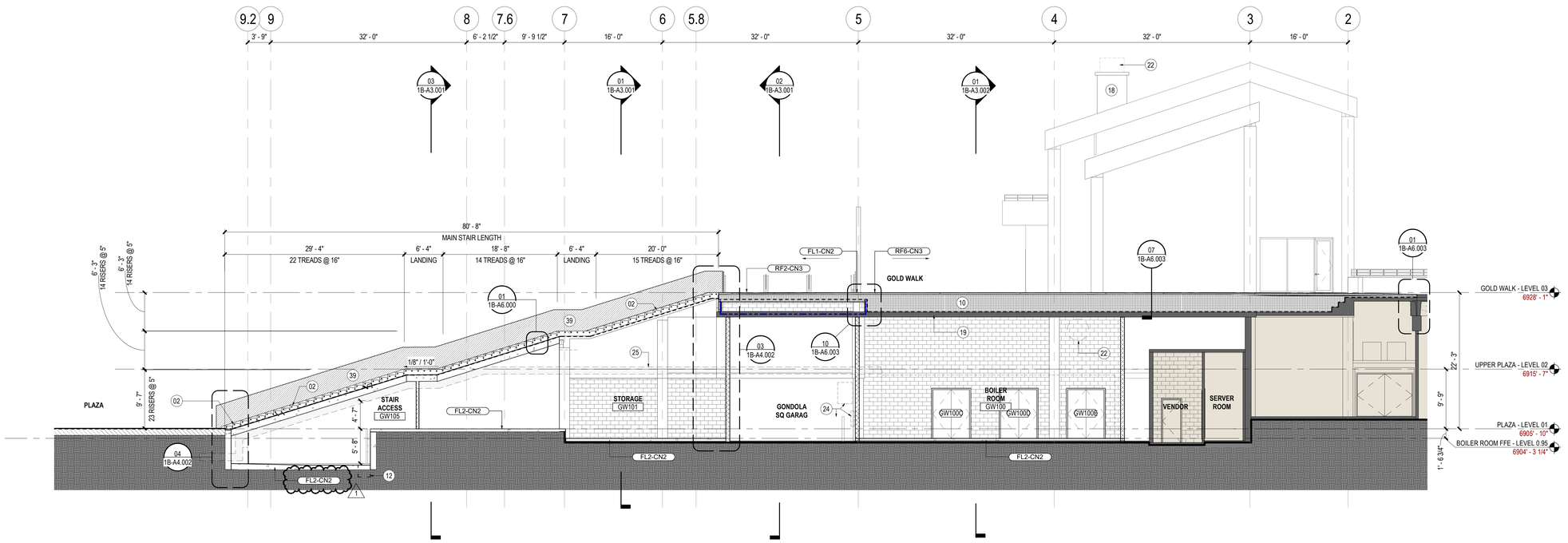
GOLD WALK - REFLECTED CEILING PLANS

Scale

1/8" = 1'-0"

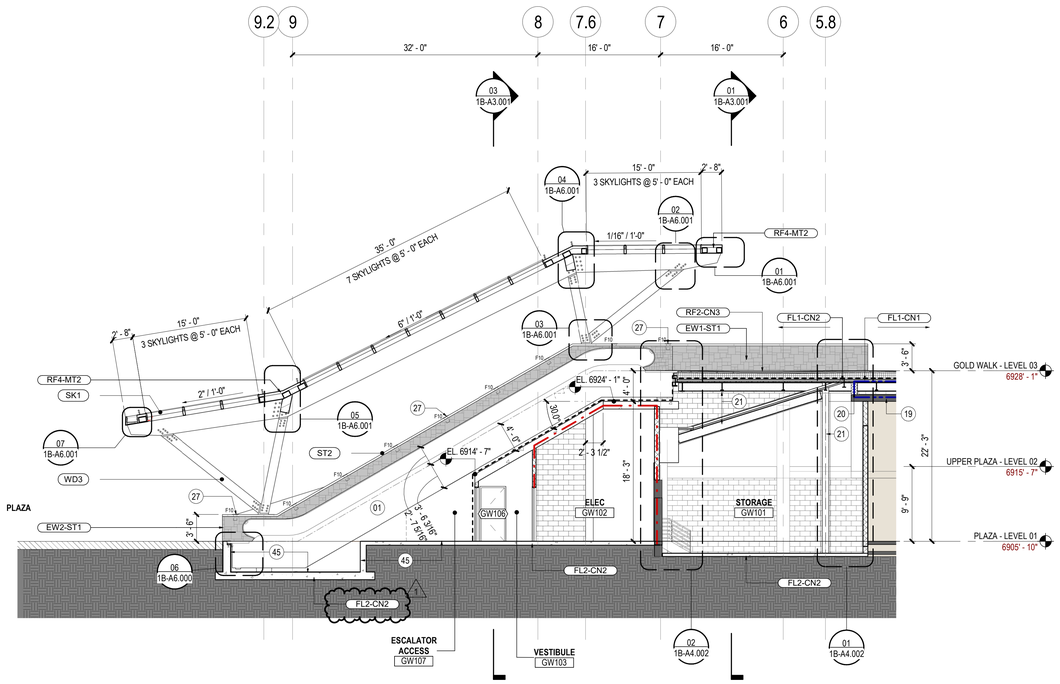
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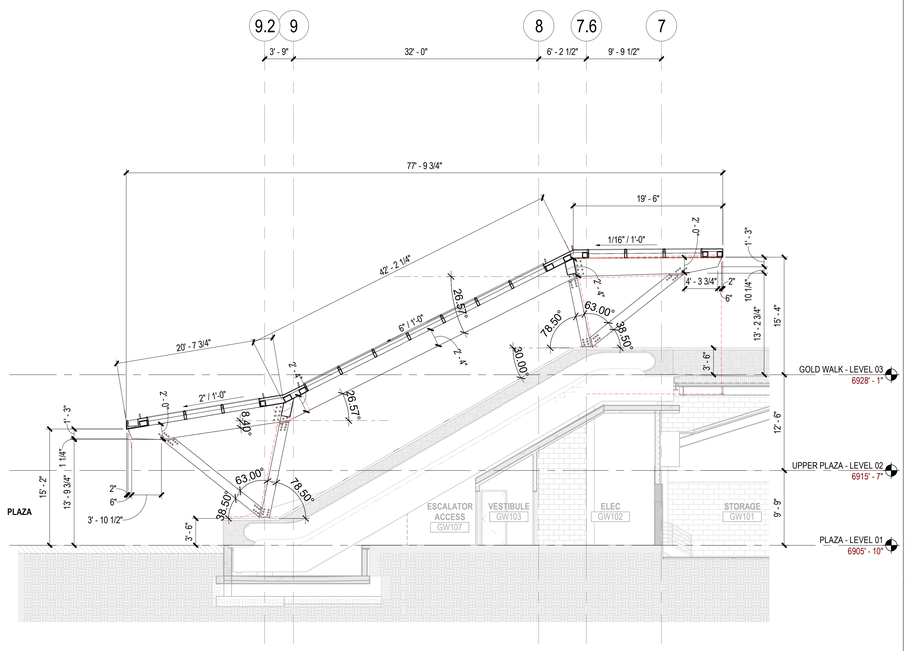
01 1B-SECTION-MAIN STAIR

SCALE: 1/8" = 1'-0"



03 1B-SECTION-ESCALATOR

SCALE: 1/8" = 1'-0"



02 1B-SECTION-CANOPY GEOMETRY

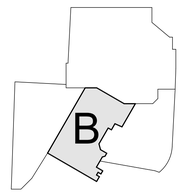
SCALE: 1/8" = 1'-0"

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01 [N] SET OF 2 EXTERIOR GRADE ESCALATORS. NOMINAL STEP WIDTH TO BE 40", 3 STEP LANDING, INTEGRATED SKIRT LIGHTING AND STAINLESS STEEL BALLUSTRADES.
02 [N] CONCRETE STAIR CN5 WITH SNOWMELT SYSTEM
10 [N] ELEVATED PLAZA AT GOLDWALK
12 SUMP PUMP, RE: MECHANICAL
18 [N] BOILER FLUE VENT ENCLOSURE SHAFTWALL BELOW ROOF. WALL ASSEMBLY TO BE METAL STUD, SHEATHING, WB, WD5 SIDING.
19 7" CIP CONCRETE PT SLAB, EQUIVALENT 4HR RATING, NOTE: 2HR RATING REQUIRED FOR TYPE 1A CONSTRUCTION
20 6" CMU ENCLOSURE WALL, 2 HR RATED
21 SPRAY APPLIED FIREPROOFING
22 [N] BOILER FLUE VENT, ROUTE OVERHEAD THROUGH GARAGE TO [N] FLUE ENCLOSURE, RE: MECHANICAL
24 ELECTRICAL EQUIPMENT. PROVIDE 4" DIAMETER ROUND BOLLARDS TO PROTECT EQUIPMENT FROM VEHICLES. RE ELECTRICAL
25 SNOWMELT PIPING AND PLUMBING, RE: MEP DRAWINGS
27 F10 LIGHT FIXTURE. [N] INGROUND CANOPY UPLIGHTING FIXTURES. FIXTURES TO BE RECESSED ON THE TOP SURFACE OF EACH OF THE ESCALATOR SIDE WALLS. RE SECTION AND ELEVATIONS. BASIS OF DESIGN WE-EF INGROUND LUMINAIRE ETC330-FS TW LED, 19W, WITH LINEAR LOUVER 185-7172. POWER AND LIGHTING CONTROLS TO BE INCLUDED IN FUTURE ELECTRICAL DELIVERABLES.REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION
39 CONTRACTOR TO PROVIDE CODE COMPLIANT TEMPORARY GUARDRAIL AND HANDRAIL AT STAIR AND WHERE TEMPORARY CONDITIONS EXIST. PROVIDE WEATHERPROOF ENCLOSURE TIE TO SURROUNDING WALL.
45 PROVIDE SEALED CONCRETE

GENERAL NOTES

KEY PLAN



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Seal / Signature

STATE OF COLORADO
JOHN C. GUND
203617
LICENSED ARCHITECT
06.25.2021

Project Name

SSRC | BASE AREA IMPROVEMENTS

Project Number

003.7835.000

Description

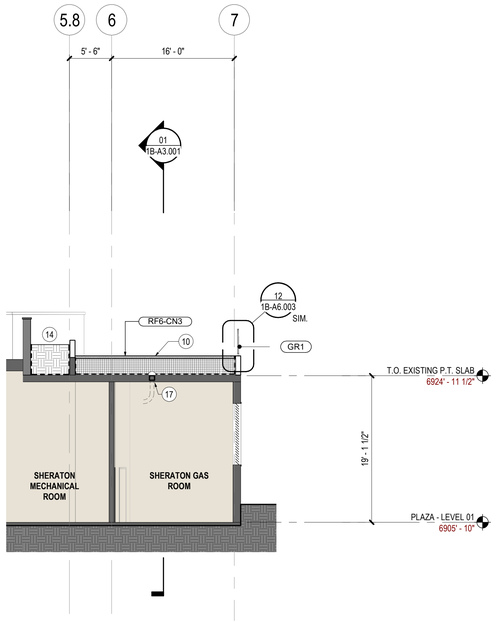
GOLD WALK - BUILDING SECTIONS - STAIR & ESCALATOR

Scale

1/8" = 1'-0"

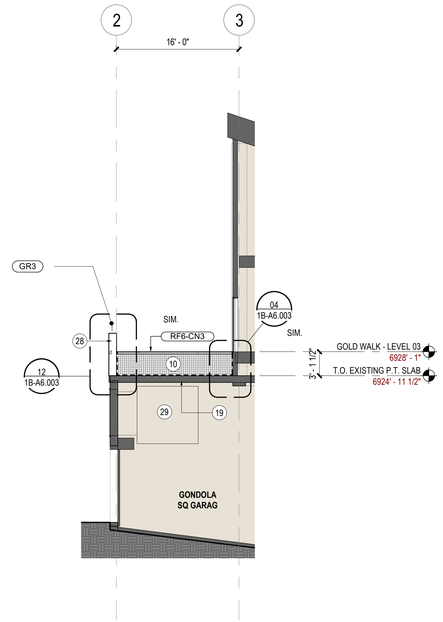
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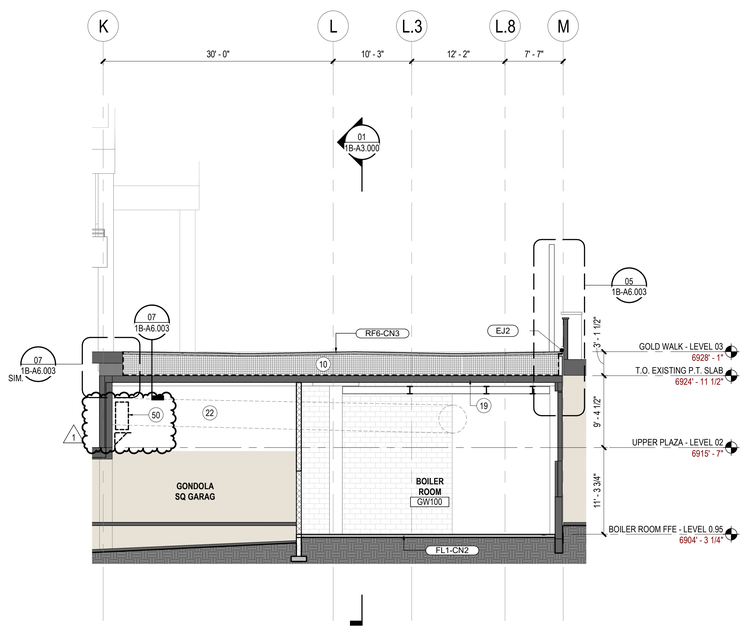
05 SECTION - SHERATON ACCESS @ PLANTER

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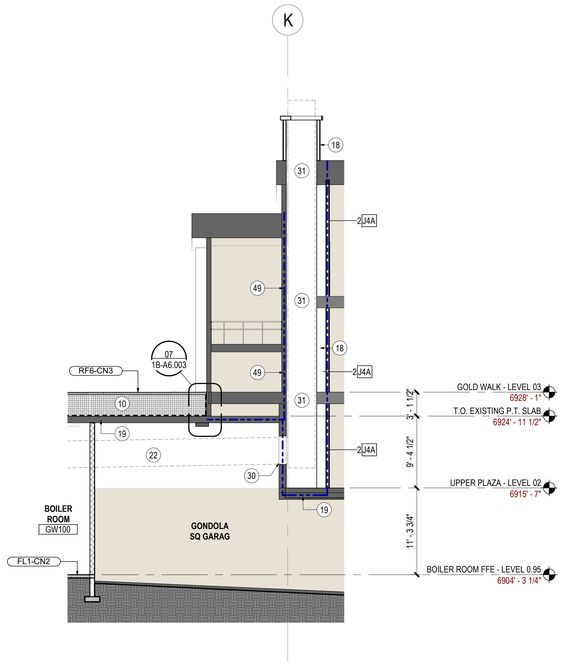
03 SECTION - BUILDING A ENTRY

SCALE: 1/8" = 1'-0"



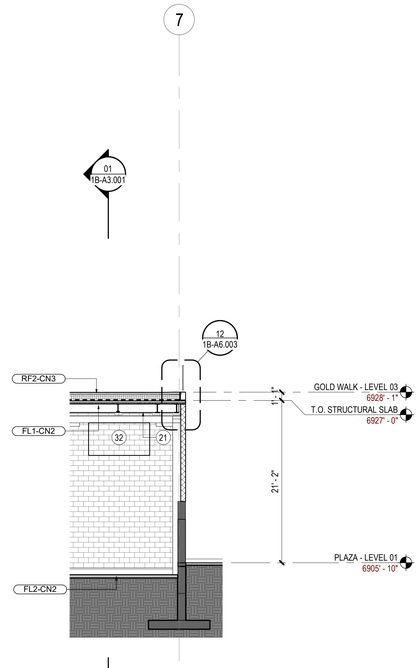
01 SECTION - BOILER ROOM

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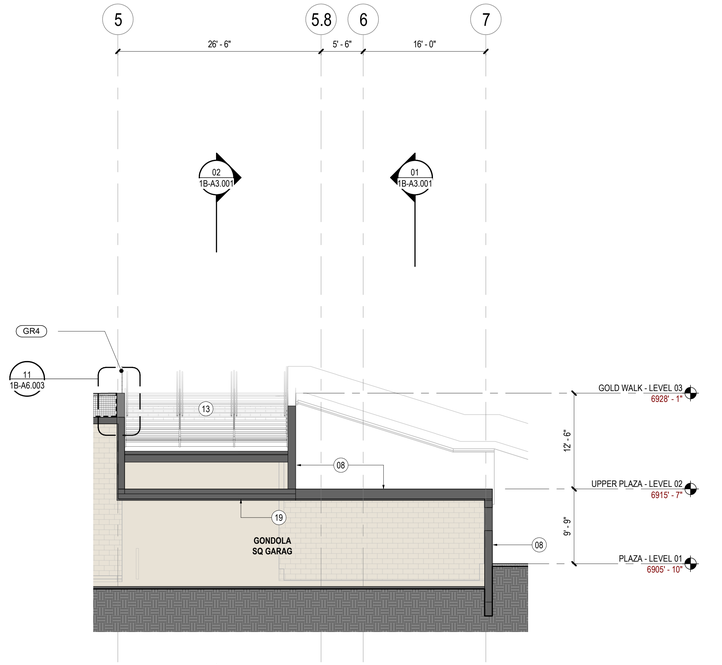
06 SECTION - BOILER VENT FLUE

SCALE: 1/8" = 1'-0"



04 SECTION - NEW WALL @ STORAGE

SCALE: 1/8" = 1'-0"



02 SECTION - TEMPORARY STAIR AND GARAGE LID

SCALE: 1/8" = 1'-0"

SHEET NOTES

08 [E] WALL AND SLAB TO REMAIN. PROVIDE TEMPORARY WEATHER PROOF MEMBRANE OVER WALL. TIE TO WEATHERPROOFING MEMBRANE AT SLAB. ENTIRE ASSEMBLY TO PROVIDE WEATHER-TIGHT BARRIER FROM EXTERIOR TO INTERIOR PARKING GARAGE. WEATHERPROOFING MEMBRANE TO SLOPE TO DRAIN AT HORIZONTAL SLAB.

10 [N] ELEVATED PLAZA AT GOLDWALK

13 CONTRACTOR TO PROVIDE TEMPORARY METAL GRATE STAIR TO MATCH [E] STAIR TREAD RISE / RUN AND RAILINGS. RE: ENLARGED PLANS AND DETAILS

14 EXISTING PLANTER TO REMAIN, EXTEND PLANTER WALLS AND WATERPROOFING UP TO NEW GOLD WALK ELEVATION, MATCH EXISTING FINISHES, RESTORE PLANTING AND IRRIGATION SYSTEMS AT NEW GOLD WALK ELEVATION, RE: LANDSCAPE

17 NEW DRAIN, TIE IN TO NEW WATER PROOFING MEMBRANE, RE: PLUMBING

18 [N] BOILER FLUE VENT ENCLOSURE SHAFTWALL BELOW ROOF. WALL ASSEMBLY TO BE METAL STUD, SHEATHING, WB, WDS SIDING.

19 7" CIP CONCRETE PT SLAB, EQUIVALENT 4HR RATING, NOTE: 2HR RATING REQUIRED FOR TYPE 1A CONSTRUCTION

21 SPRAY APPLIED FIREPROOFING

22 [N] BOILER FLUE VENT, ROUTE OVERHEAD THROUGH GARAGE TO [N] FLUE ENCLOSURE, RE: MECHANICAL

28 CONCRETE ENCLOSURE CURB AND HANDRAIL TO MATCH ADJACENT BRIDGE CURB AND HANDRAIL

29 EXISTING GARAGE MAKE UP AIR UNIT

30 OPENING IN CIP CONCRETE WALL, RE: STRUCTURAL

31 NEW OPENING IN FLOOR AND ROOF FOR BOILER FLUE, RE: STRUCTURAL

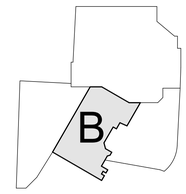
32 NEW CMU INFIL WALL AT GARAGE MAU OPENING INTO SHERATON GAS ROOM, RE: BP2A

49 EXISTING WALL TO BE RETROFITTED TO ACHIEVE 2 HOUR RATING

50 SPLIT SYSTEM CONDENSING UNITS. GC TO PROVIDE NECESSARY STEEL BRACKETS FOR CONDENSING UNITS INSTALLATION. RE: MECHANICAL DRAWINGS FOR MORE INFORMATION. 1

GENERAL NOTES

KEY PLAN



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- 2021.05.19	BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
1 2021.06.25	BP3: GOLDWALK - BULLETIN 02

Seal / Signature

STATE OF COLORADO
JON CHARLES CAMPBELL
203617
LICENSED ARCHITECT
06.25.2021

Project Name
SSRC | BASE AREA IMPROVEMENTS

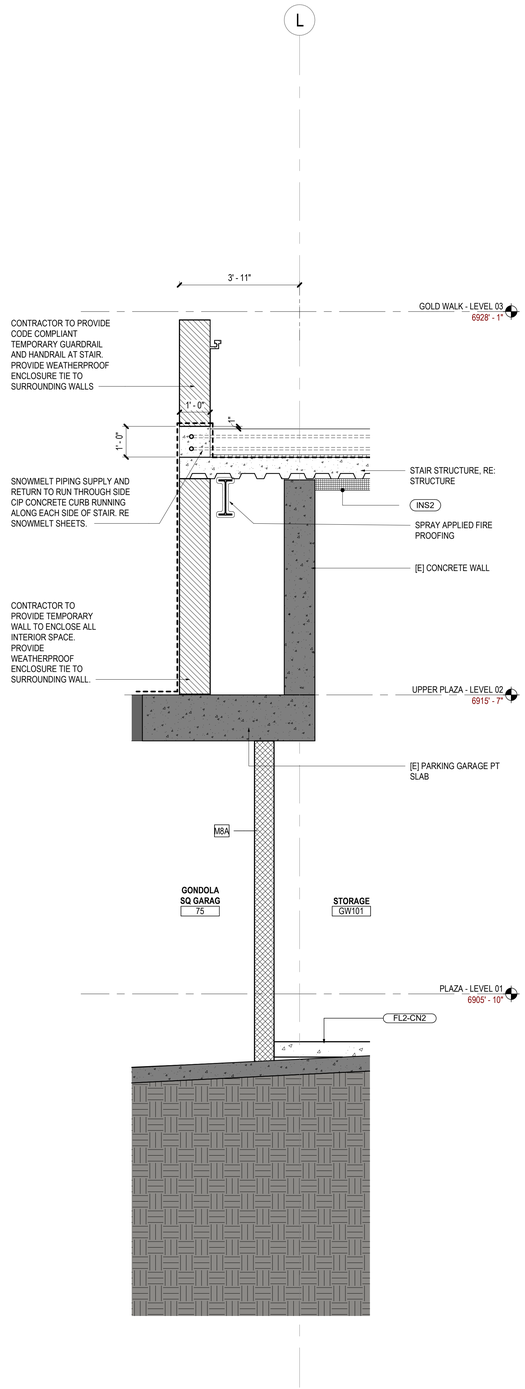
Project Number
003.7835.000

Description
GOLD WALK - BUILDING SECTIONS - GOLD WALK

Scale
1/8" = 1'-0"

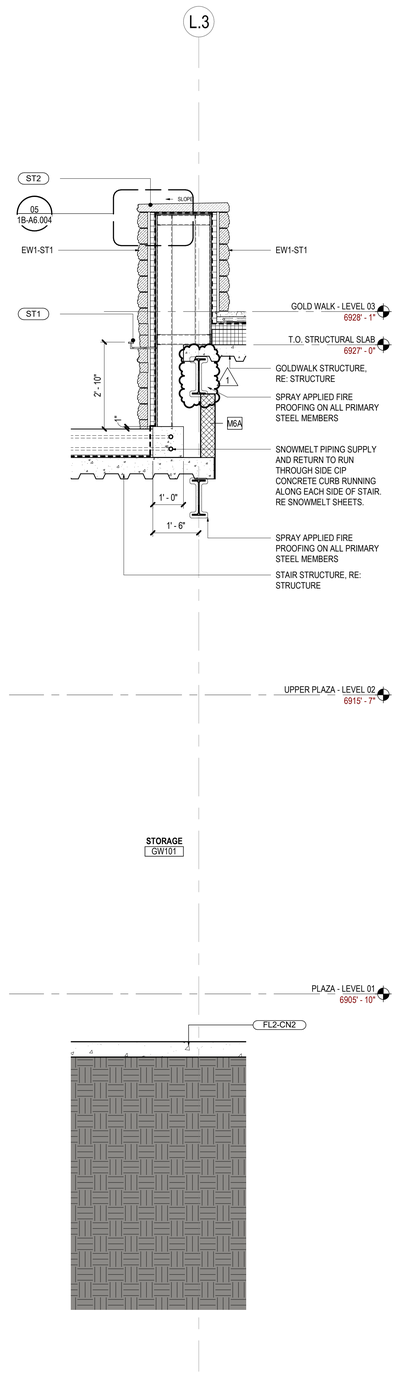
1B-A3.002

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02 WALL SECTION - MAIN STAIR @ PT SLAB

SCALE: 1/2" = 1'-0"



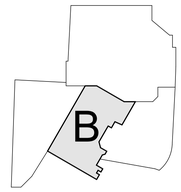
01 WALL SECTION - MAIN STAIR @ GOLDWALK

SCALE: 1/2" = 1'-0"

SHEET NOTES

GENERAL NOTES

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-	2021.05.19	BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
1	2021.06.25	BP3: RFI-029

Seal / Signature



Project Name

SSRC | BASE AREA IMPROVEMENTS

Project Number

003.7835.000

Description

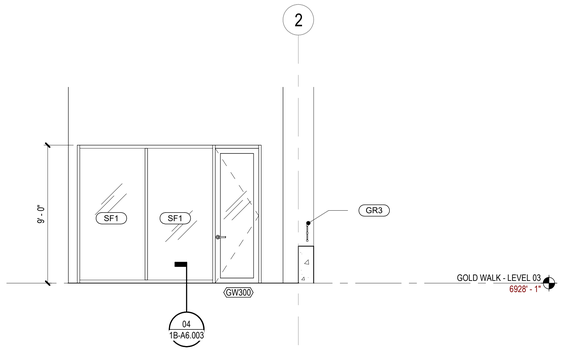
GOLD WALK - WALL SECTIONS - STAIR & ESCALATOR

Scale

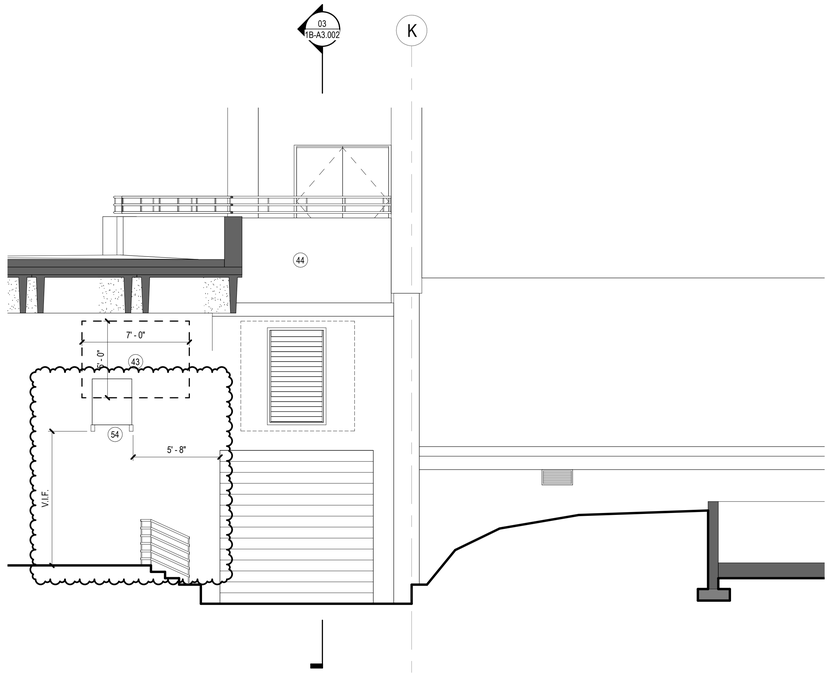
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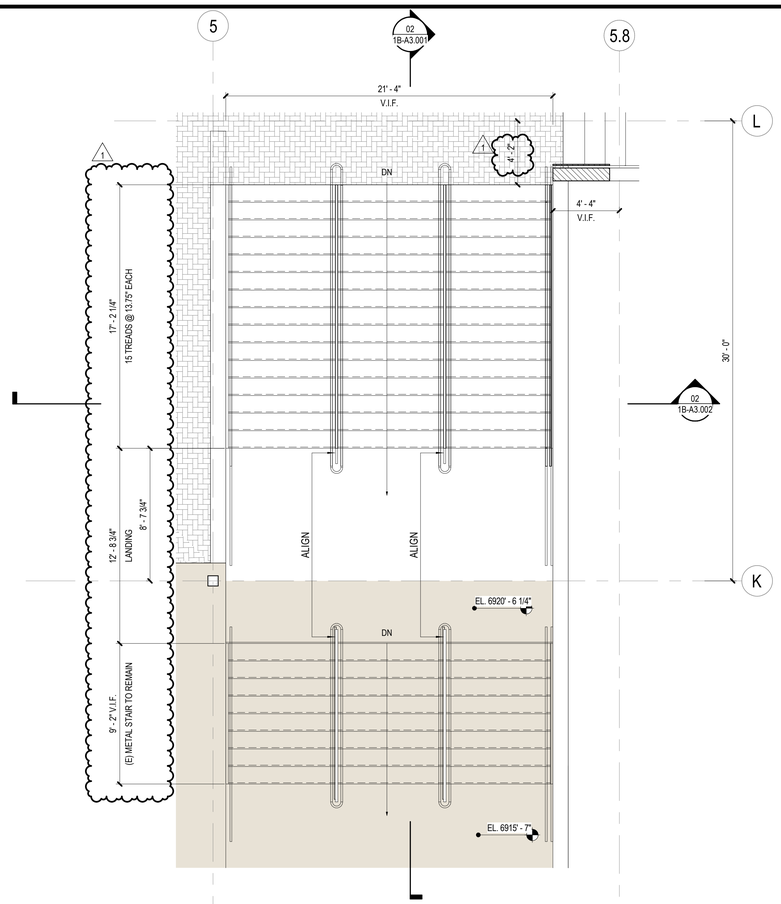
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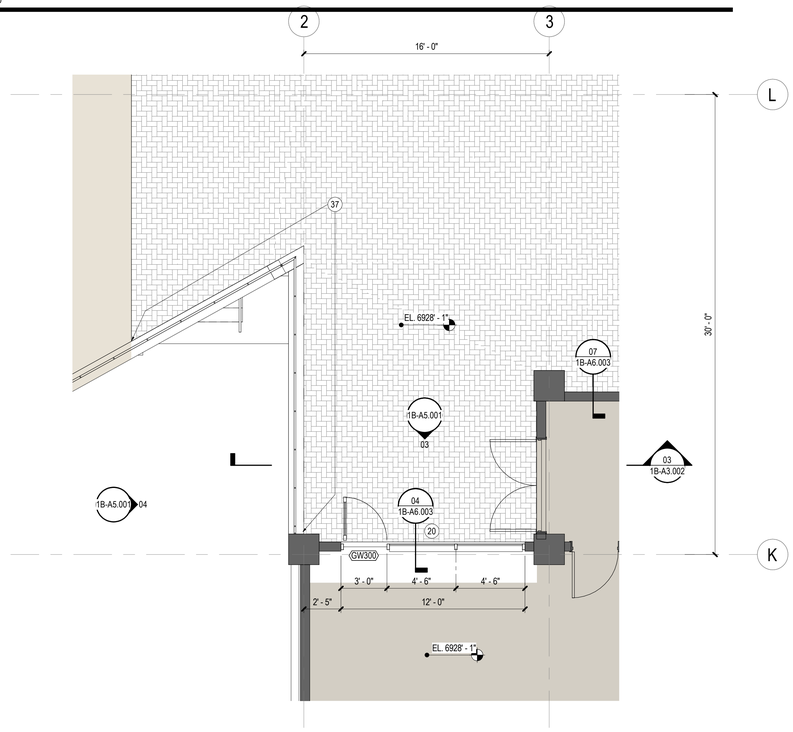
03 EXTERIOR ELEVATION - BUILDING A ENTRANCE
SCALE: 1/4" = 1'-0"



04 EXTERIOR ELEVATION - INTAKE LOUVER
SCALE: 1/4" = 1'-0"



01 ENLARGED PLAN - UPPER PLAZA STAIR
SCALE: 1/4" = 1'-0"



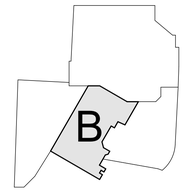
02 ENLARGED PLAN - GOLD WALK / BUILDING A
SCALE: 1/4" = 1'-0"

SHEET NOTES

20 [N] 9FT DOOR AND STOREFRONT SYSTEM SF1. STRUCTURAL MODIFICATIONS AS REQUIRED TO SUPPORT NEW OPENING.
37 [N] GUARDRAIL GR3 RE: ENLARGED PLANS AND DETAILS
43 NEW OPENING FOR BOILER INTAKE LOUVER, RE: MECHANICAL, STRUCUTURAL
44 PARGE COAT AND PAINT TO MATCH ADJACENT
54 EXISTING CONDENSERS, COORDINATE NEW OPENING FOR BOILER ROOM WITH CONDENSERS
1

GENERAL NOTES

KEY PLAN



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	Date	Description
-	2021.05.19	BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
1	2021.06.25	BP3: GOLDWALK - BULLETIN 02

Seal / Signature

STATE OF COLORADO · JOSEPH CHARLES GERBER · 203617 · LICENSED ARCHITECT
06.25.2021

Project Name
SSRC | BASE AREA IMPROVEMENTS

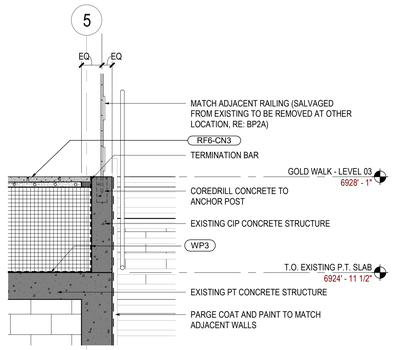
Project Number
003.7835.000

Description
GOLD WALK - ENLARGED PLANS & ELEVATIONS - GOLDWALK

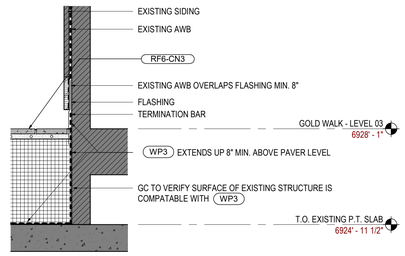
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1/4" = 1'-0"

1B-A5.001

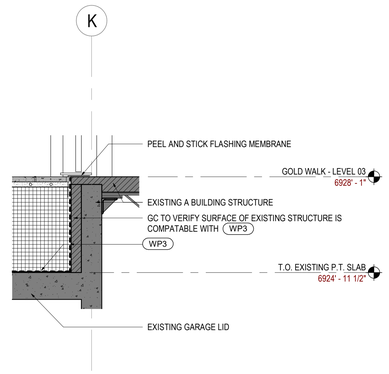
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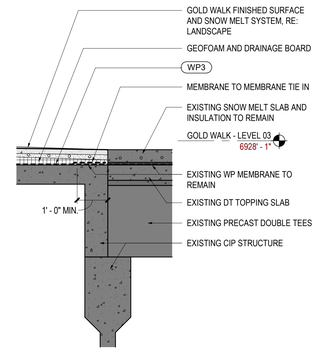
11 DETAIL - GOLD WALK CURB
SCALE: 1/2" = 1'-0"



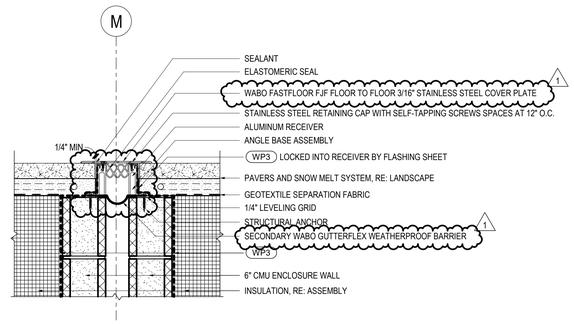
07 DETAIL - BUILDING A FACADE
SCALE: 1/2" = 1'-0"



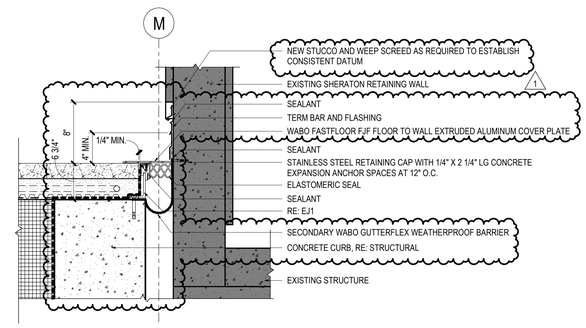
04 DETAIL - BUILDING A THRESHOLD
SCALE: 1/2" = 1'-0"



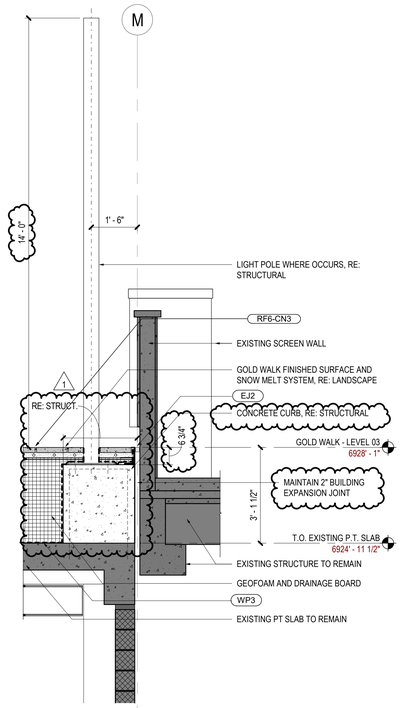
01 DETAIL - GOLD WALK TO SHERATON BRIDGE
SCALE: 1/2" = 1'-0"



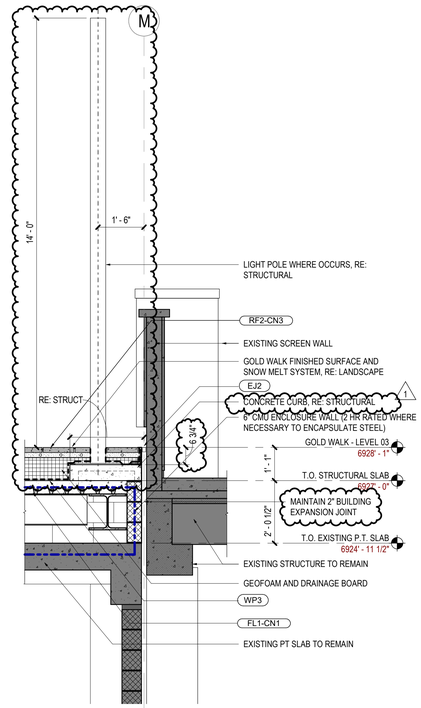
08 EJ1
SCALE: 1 1/2" = 1'-0"



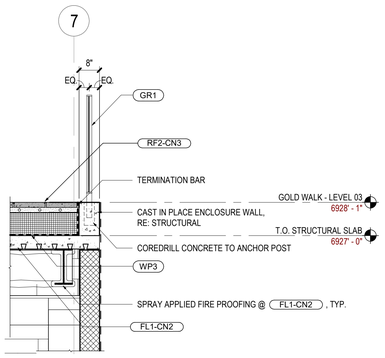
09 EJ2
SCALE: 1 1/2" = 1'-0"



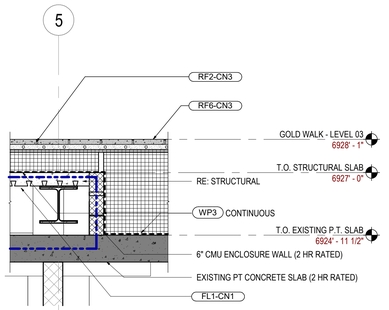
05 DETAIL - GOLD WALK TO SHERATON 1
SCALE: 1/2" = 1'-0"



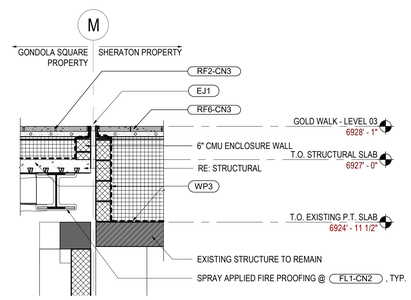
02 DETAIL - GOLD WALK TO SHERATON 2
SCALE: 1/2" = 1'-0"



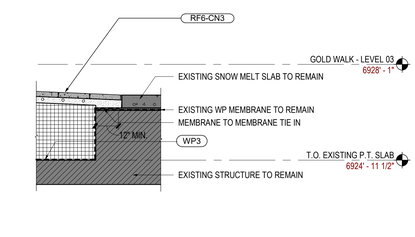
12 DETAIL - CONCRETE CURB
SCALE: 1/2" = 1'-0"



10 DETAIL - RF2-CN3 TRANSITION TO RF6-CN3
SCALE: 1/2" = 1'-0"



06 DETAIL - GOLD WALK TO SHERATON ACCESS
SCALE: 1/2" = 1'-0"

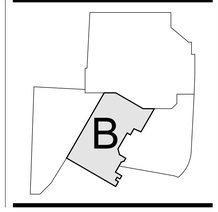


03 DETAIL - SHERATON EXISTING GRADE TRANSITION
SCALE: 1/2" = 1'-0"

SHEET NOTES

GENERAL NOTES

KEY PLAN



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Seal / Signature

STATE OF COLORADO
JACQUELINE GARRELL
203617
LICENSED ARCHITECT
06.25.2021

Project Name
SSRC | BASE AREA IMPROVEMENTS

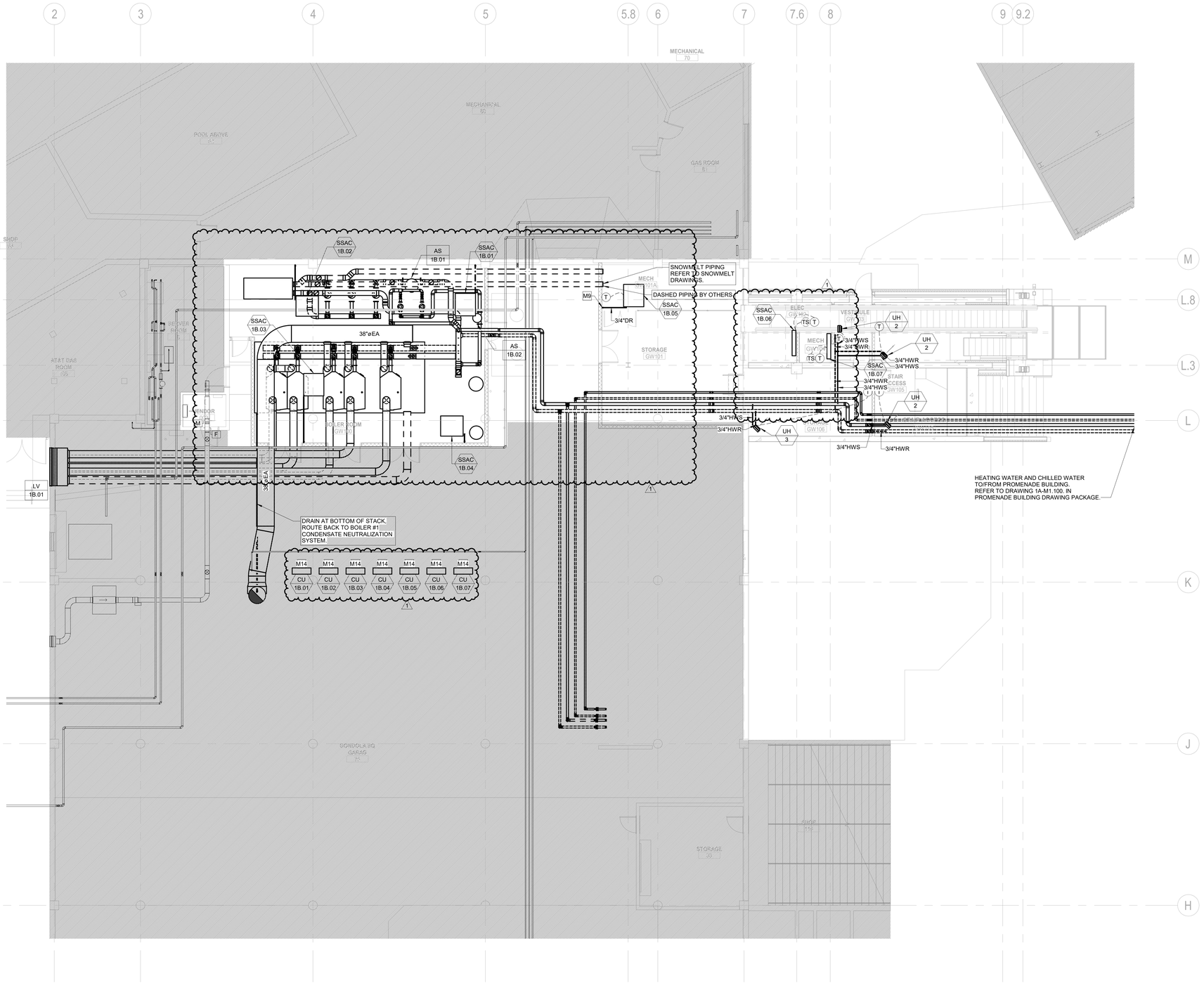
Project Number
003.7835.000

Description
GOLD WALK - DETAILS

Scale
As indicated

1B-A6.003

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GENERAL NOTES:

1. THE DRAWINGS ARE DIAGRAMMATIC IN NATURE. THE CONTRACTOR IS RESPONSIBLE FOR ALL OFFSETS, TRANSITIONS, ELBOWS, ETC. AS REQUIRED IN DUCTWORK, PIPING, SUPPORTS, ETC. TO COMPLETE THE WORK IN A CLEAN FUNCTIONAL INSTALLATION THAT IS FULLY COORDINATED WITH ALL OTHER TRADES. ANY PRICING EFFORT SHALL TAKE THESE FACTORS INTO ACCOUNT.

2. MAINTAIN CODE REQUIRED AREA OF SEPARATION FROM OUTSIDE AIR INTAKES TO TERMINATIONS OF EXHAUST, COMBUSTION AIR, PLUMBING VENTS, ETC.

3. COORDINATE EQUIPMENT HOUSEKEEPING PAD DIMENSIONS AND LAYOUT WITH THE GENERAL CONTRACTOR BASED ON FINAL EQUIPMENT SIZES.

4. PROVIDE MANUAL BALANCE DAMPERS IN ALL SUPPLY DUCT BRANCH TAPS DOWNSTREAM OF VAV BOXES.

5. PROVIDE MANUAL BALANCE DAMPERS IN ALL EXHAUST DUCT BRANCH TAPS.

6. PROVIDE TRANSFER "Z" BOOT DUCTS IN FULL HEIGHT WALLS WHERE A PLENUM RETURN SYSTEM IS UTILIZED. BOOTS SHALL BE SIZED TO MAINTAIN A MAXIMUM OF 400 FPM. PROVIDE A GRILLE FOR ALL TRANSFERS IN EXPOSED AREAS. RE: ARCH.

7. COORDINATE SPACE TEMPERATURE SENSORS AND THERMOSTAT LOCATIONS TO ALIGN VERTICALLY WITH LIGHT SWITCHES.

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14. PROVIDE ISOLATION VALVES AT EACH BRANCH LINE OFF OF RISER.

15. PROVIDE 3/4" BRANCH PIPING TO ALL TERMINAL UNITS, UNLESS NOTED OTHERWISE.

16. PROVIDE CONDENSATE DRAIN FROM ALL CHILLED WATER COILS AND DX EVAPORATOR COILS TO NEAREST MOP SINK OR MECHANICAL ROOM FLOOR DRAIN. PROVIDE CONDENSATE PUMP FOR WALL MOUNTED UNITS AND CONCEALED UNITS THAT CANNOT BE GRAVITY DRAINED TO TERMINATION LOCATION

KEYNOTES

M9	ROUTE CONDENSATE DRAIN DOWN WALL AND STUB OUT TO FLOOR DRAIN.
M14	CONDENSING UNITS MOUNTED ABOVE DRIVE AISLE ON A MISCELLANEOUS STEEL SHELF. MAINTAIN MANUFACTURER'S REQUIRED CLEARANCES.

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△	Date	Description
	2021.05.19	BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
1	2021.06.25	BP3: GOLDWALK - BULLETIN 2

Seal / Signature

COLORADO LICENSED
MARION E. EDWARDS
56806
PROFESSIONAL ENGINEER
06/28/2021

Project Name
SSRC | BASE AREA IMPROVEMENTS

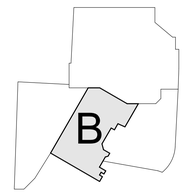
Project Number
003.7835.000

Description
GOLD WALK - MECHANICAL PLAN - LEVEL 01

Scale
1/8" = 1'-0"

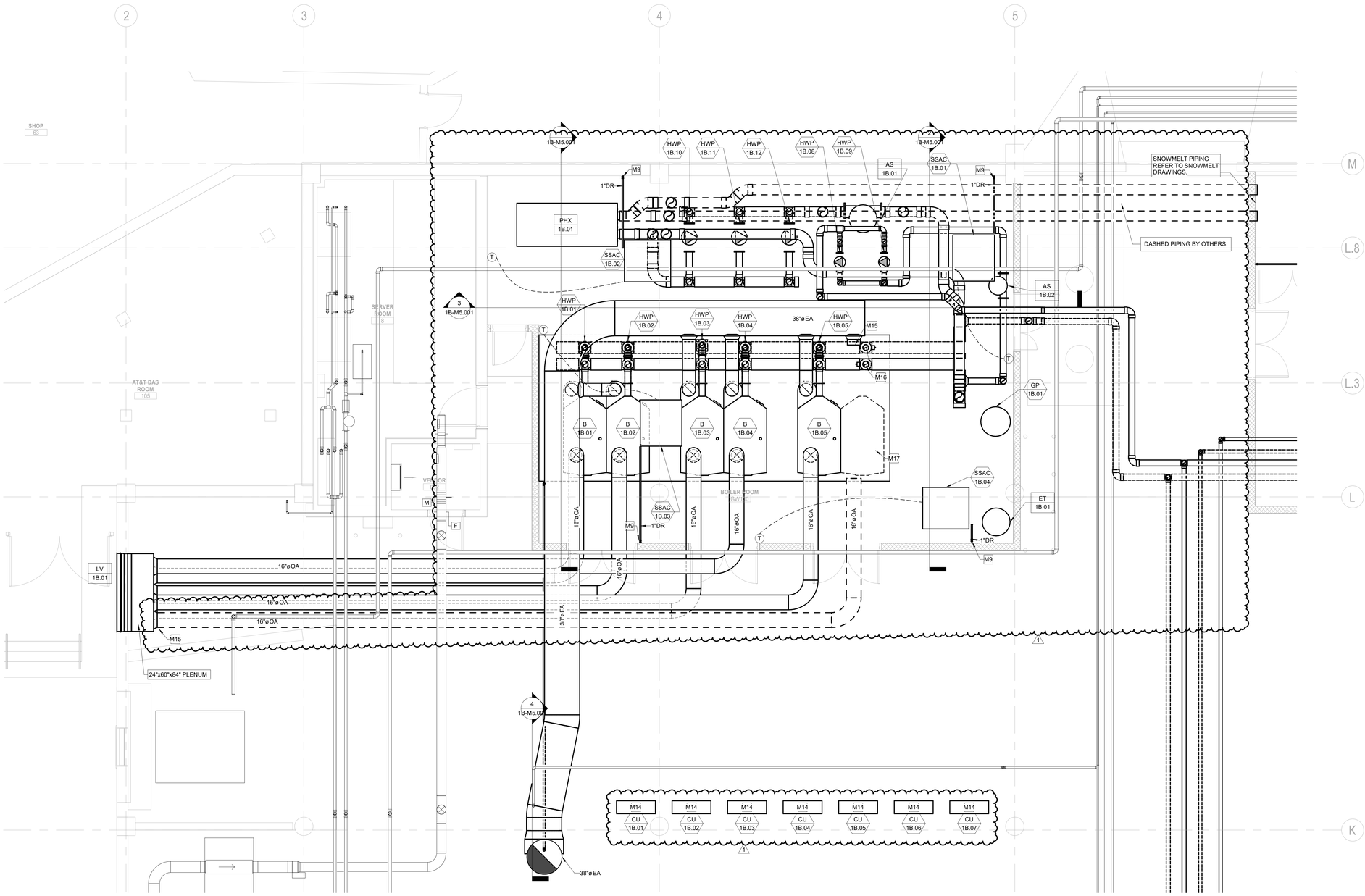
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KEY PLAN



1 MECHANICAL PLAN - LEVEL 01 (Summer 2021)
SCALE: 1/8" = 1'-0"

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1 MECHANICAL ENLARGED PLAN - LEVEL 01

SCALE: 1/4" = 1'-0"

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KEYNOTES

M9	ROUTE CONDENSATE DRAIN DOWN WALL AND STUB OUT TO FLOOR DRAIN.
M14	CONDENSING UNITS MOUNTED ABOVE DRIVE AISLE ON A MISCELLANEOUS STEEL SHELF. MAINTAIN MANUFACTURER'S REQUIRED CLEARANCES.
M15	CAP COMBUSTION AND VENT FOR FUTURE BOILER.
M16	PROVIDE ISOLATION VALVES AND CAP FOR FUTURE BOILER.
M17	SPACE ALLOCATED FOR FUTURE BOILER.

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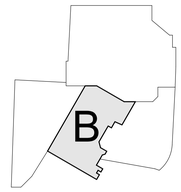
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	2021.05.19	BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
1	2021.06.25	BP3: GOLDWALK - BULLETIN 2

KEY PLAN



Seal / Signature

COLORADO LICENSED
MATHEW E. EDWARDS
56806
PROFESSIONAL ENGINEER
06/28/2021

Project Name
SSRC | BASE AREA IMPROVEMENTS

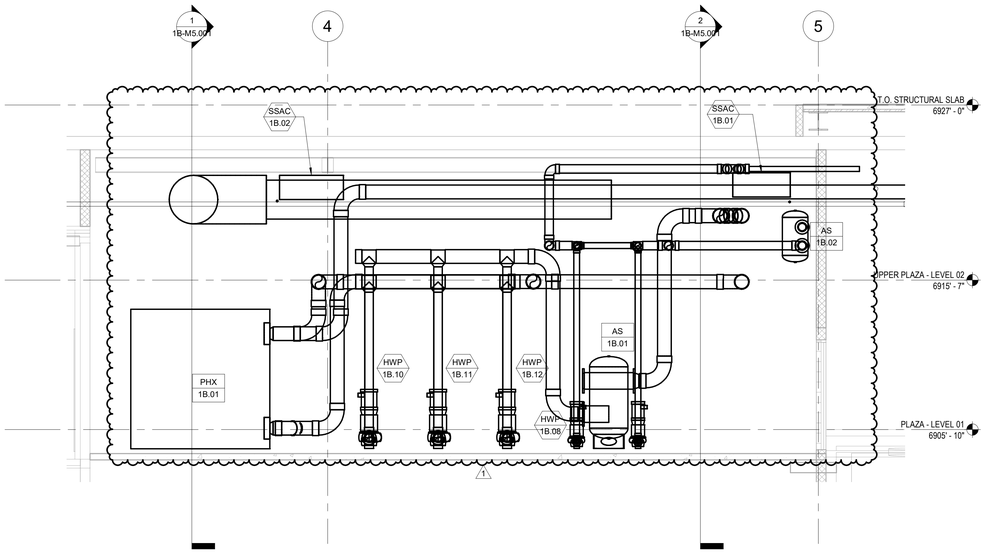
Project Number
003.7835.000

Description
GOLD WALK - MECHANICAL ENLARGED PLANS

Scale
1/4" = 1'-0"

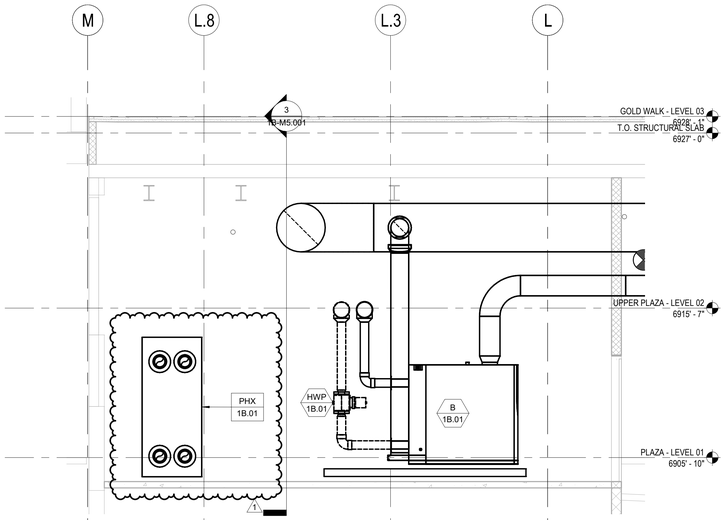
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3 BOILER ROOM SECTION 3

SCALE: 1/4" = 1'-0"



1 BOILER ROOM SECTION 1

SCALE: 1/4" = 1'-0"

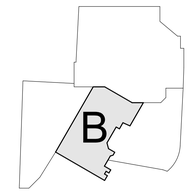
4 BOILER VENT STACK SECTION

SCALE: 1/4" = 1'-0"

2 BOILER ROOM SECTION 2

SCALE: 1/4" = 1'-0"

KEY PLAN



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Seal / Signature

COLORADO LICENSED
MATHEW E. EDWARDS
56806
PROFESSIONAL ENGINEER

06/28/2021

Project Name

SSRC | BASE AREA IMPROVEMENTS

Project Number

003.7835.000

Description

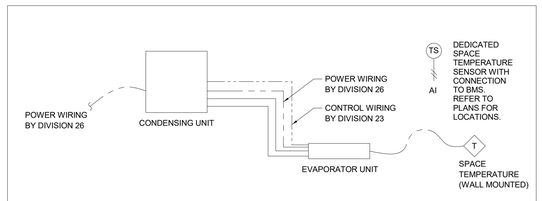
GOLD WALK - MECHANICAL SECTIONS

Scale

1/4" = 1'-0"

1B-M5.001

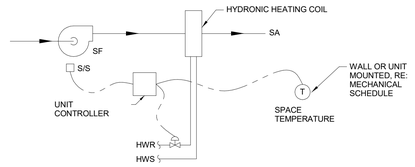
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B DUCTLESS SPLIT SYSTEM CTRL.
NONE

UNIT SHALL OPERATE UNDER ITS OWN SELF CONTAINED CONTROLS TO MAINTAIN THE SPACE TEMPERATURE SETPOINT.

△1



HYDRONIC CABINET UNIT HEATER/
HYDRONIC UNIT HEATER CONTROL
A NONE

A. THERMOSTAT SHALL CYCLE FAN & OPEN HEATING WATER VALVE TO MAINTAIN SPACE SETPOINT.
B. WHERE REMOTE MOUNTED THERMOSTAT IS INDICATED, PROVIDE CONTROL TRANSFORMER AND LOW VOLTAGE THERMOSTAT BY TEMPERATURE CONTROLS CONTRACTOR.

CONTROL LEGEND

ABBR	DESCRIPTION
AI	ANALOG INPUT
AO	ANALOG OUTPUT
BDD	BACKDRAFT DAMPER
BTU	BTU METER
C	CONTROLLER
CC	COOLING COIL
CD	CONTROL DAMPER
CFM	AIRFLOW MEASURING SENSOR
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
CO2	CARBON DIOXIDE
COND	CONDENSATE OVERFLOW
COV	CHANGE OF VALUE
CSEN	CURRENT SENSOR
DI	DIGITAL INPUT
DO	DIGITAL OUTPUT
DP	DIFFERENTIAL PRESSURE
EA	EXHAUST AIR
ES	END SWITCH
F	FILTER ASSEMBLY OR FAIL
FACP	FIRE ALARM CONTROL PANEL
FAS	FIRE ALARM SYSTEM
FC	FAIL CLOSED
FCU	FAN COIL UNIT
FM	FLOW METER
FO	FAIL OPEN
FR	FREEZESTAT
FRN	FURNACE
FS	FLOW SWITCH
FSCP	FIREFIGHTER SMOKE CONTROL PANEL
FSPD	FAN SPEED
FT	FLOW TRANSMITTER
H	HUMIDITY OR HIGH
HC	HEATING COIL
H/L	HIGH/LOW
HH	HIGH LIMIT HUMIDITY SWITCH
HS	HUMIDITY SENSOR
HT	HUMIDITY TRANSMITTER
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
IR	INTERLOCK RELAY
L	LEVEL OR LOW
LAN	LOCAL AREA NETWORK CONNECTION
M	MOTORIZED CONTROL
MIN	MINIMUM
ND	NITROGEN DIOXIDE
OA	OUTSIDE AIR
OS	OCCUPANCY SENSOR
P	SPACE STATIC PRESSURE
P-E	PNEUMATIC ELECTRIC SWITCH
PHC	PREHEAT COIL
PT	PRESSURE TRANSMITTER
PZ	PIEZOMETER RING
RA	RETURN AIR
RF	RETURN FAN
S	SPACE TEMPERATURE SENSOR
S/S	START/STOP
SA	SUPPLY AIR
SC	SPEED CONTROL
SD	SMOKE DETECTOR
SF	SUPPLY FAN
SPT	STATIC PRESSURE TRANSMITTER
SR	SWITCHING RELAY
T	THERMOSTAT
TM	THERMAL MASS METER
TO	TIMED OVERRIDE SWITCH
TS	TEMPERATURE SENSOR
TT	TEMPERATURE TRANSMITTER
TTAB	TEMPERATURE TRANSMITTER W/AVERAGING BULB
V	VALVE
VFD	VARIABLE FREQUENCY DRIVE
VP	VIRTUAL POINT
VS	VELOCITY SENSOR
WBT	WET BULB TEMPERATURE TRANSMITTER

CONTROL SYSTEM GENERAL NOTES:

DESIGN INTENT:

A. THE CONTROL DRAWINGS AND SEQUENCES ARE PROVIDED TO COMMUNICATE A DESIGN INTENT FOR CONTROL OF INDICATED SYSTEMS. ALTERNATIVE CONTROL METHODS MAY BE USED WHERE PRACTICAL OR WHERE NECESSARY TO MEET REQUIRED SYSTEM PERFORMANCE. WHERE ALTERNATIVE CONTROL METHODS ARE USED TO MEET THE DESIGN INTENT, THESE METHODS SHALL BE INDICATED IN SUBMITTAL TO ENGINEER FOR EVALUATION. ENGINEER SHALL DETERMINE IF A SUBMITTED ALTERNATIVE CONTROL METHOD MEETS THE DESIGN INTENT.

B. ALTHOUGH THE MECHANICAL DRAWINGS MAY INDICATE A PRODUCT AS BASIS OF DESIGN, THE CONTROL DRAWINGS AND SEQUENCES ARE PROVIDED TO INDICATE A DESIGN INTENT FOR THE COMPLETE SYSTEM THAT IS APPLICABLE TO MULTIPLE POTENTIAL PRODUCTS OR MANUFACTURERS. CONTROL METHODS SHALL BE DEVELOPED BY THE TEMPERATURE CONTROLS CONTRACTOR AND/OR EQUIPMENT PROVIDER IN ORDER TO ACHIEVE THE REQUIRED SYSTEM PERFORMANCE.

REQUIRED COORDINATION:

A. THE DIVISION 23 CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION BETWEEN EQUIPMENT PROVIDERS AND TEMPERATURE CONTROLS CONTRACTOR IN ORDER TO FULLY SATISFY THE DESIGN INTENT. INTERFACE BETWEEN CONTROL SYSTEMS, INCLUDING ITEMS PROVIDED BY EACH ENTITY, COMMUNICATION PROTOCOL, SIGNAL TYPE, ETC., SHALL BE COORDINATED PRIOR TO RELEASE OF EQUIPMENT FOR PRODUCTION.

B. THE TEMPERATURE CONTROLS CONTRACTOR SHALL PROVIDE SUBMITTAL DRAWINGS AND PRODUCT DATA FOR THE ENTIRE CONTROL SYSTEM TO ENGINEER FOR REVIEW. THE TEMPERATURE CONTROLS SUBMITTAL SHALL DISTINGUISH WHERE SPECIFIC SEQUENCE ELEMENTS ARE PROVIDED WITHIN THE BOILER PLANT CONTROL SYSTEM OR WITHIN PACKAGED EQUIPMENT CONTROLLERS. RE: SPECIFICATIONS FOR REQUIREMENTS.

C. REFER TO SPECIFICATION SECTION 23 05 01 MECHANICAL AND ELECTRICAL COORDINATION.

SEQUENCE OF OPERATION GENERAL NOTES:

GENERAL:

A. PROVIDE INDIVIDUAL INPUTS OR OUTPUTS FOR EACH POINT LISTED IN THE POINTS LIST OR CONTROL DIAGRAM. PROVIDE ANY ADDITIONAL POINTS NOT LISTED IN THE POINTS LIST OR CONTROL DIAGRAM, BUT REQUIRED TO MEET THE SEQUENCE OF OPERATION, AT NO ADDITIONAL COST TO THE OWNER. ALL ANALOG OUTPUTS SHALL BE 4-20MA, 0-10VDC OR 0-20VDC UNLESS OTHERWISE INDICATED.

B. IN THE EVENT OF A POWER OUTAGE OR OTHER MALFUNCTION, THE CURRENTLY ENABLED CONTROLS SEQUENCES SHALL BE MAINTAINED. RE: SPECIFICATIONS.

INITIAL SPACE THERMOSTAT SEPOINTS

A. INITIAL SPACE THERMOSTAT SETPOINTS SHALL BE AS FOLLOWS:

1. MECHANICAL AND ELECTRICAL ROOMS:
   COOLING: 80F
   HEATING: 65F
2. MISCELLANEOUS HEATING-ONLY AREAS:
   HEATING: 65F

MISCELLANEOUS NON-DDC CONTROL:

A. CHEMICAL TREATMENT: PROVIDE REQUIRED FIELD WIRING INTERLOCKS.

B. MISCELLANEOUS PUMPS: PUMPS SHALL OPERATE PER SCHEDULE AND DRAWINGS.

MISCELLANEOUS DDC CONTROL:

A. AUTOMATED INTERFACE: PROVIDE WEB-BASED INTERFACE FOR REMOTE ACCESS TO THE BOILER PLANT CONTROL SYSTEM. INTERFACE SHALL BE PASSWORD PROTECTED AND SHALL ALLOW FOR FULL CONTROL OF ALL BOILER PLANT CONTROL SYSTEM FUNCTIONALITY.

B. PUMPS SHALL OPERATE PER OTHER APPLICABLE CONTROL SECTIONS. BOILER PLANT CONTROL SYSTEM SHALL MONITOR ALL PUMPS INCLUDING GLYCOL FEED PUMPS.

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△	Date	Description
	2021.05.19	BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
1	2021.06.25	BP3: GOLDWALK - BULLETIN 2

Seal / Signature

COLORADO LICENSED
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PROFESSIONAL ENGINEER

06/28/2021

Project Name
SSRC | BASE AREA IMPROVEMENTS

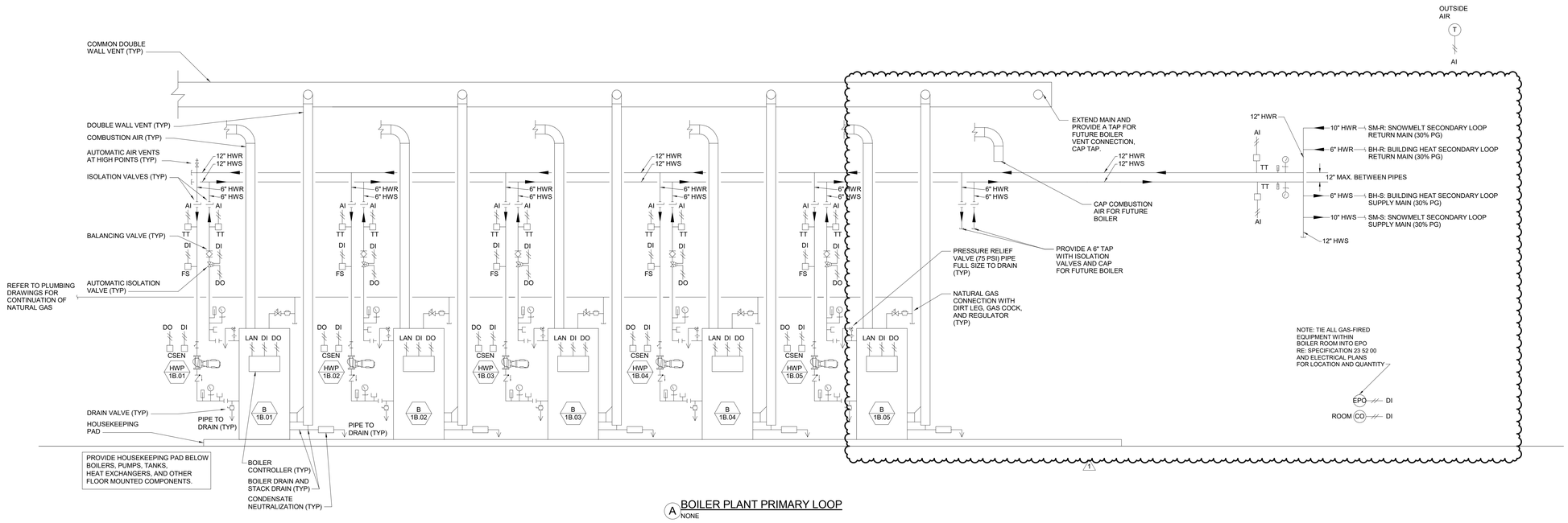
Project Number
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Description
GOLD WALK - MECHANICAL CONTROLS

Scale
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1B-M7.001

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A BOILER PLANT PRIMARY LOOP
NONE

BOILER PLANT SEQUENCE:

A. GENERAL
1. REFER TO DIVISION 23 52 00 FOR REQUIREMENTS.
2. THE PROMENADE BUILDING BMS SHALL BE EXTENDED TO THE GOLD WALK SCOPE OF WORK TO PROVIDE MONITORING AND CONTROL OF THE BOILER PLANT. "BMS" INDICATED IN THE SEQUENCE BELOW REFERS TO THE PROMENADE BUILDING BMS. REFER TO PROMENADE BUILDING DRAWINGS AND SPECIFICATIONS. THE BMS SHALL INDEPENDENTLY MONITOR POINTS INDICATED ON THE CONTROL DIAGRAM AND ALL POINTS REQUIRED TO PERFORM THE FOLLOWING SEQUENCES AND MONITORING FUNCTIONS.
3. THE BMS SHALL BE PROVIDED WITH A CUSTOM APPLICATION CONTROLLER LOCATED WITHIN THE BOILER ROOM.

B. SEQUENCE OF OPERATION:
1. INTENT: THE BMS SHALL CONTROL ALL COMPONENTS IN THE PRIMARY LOOP, SNOWMELT LOOP, AND BUILDING HEAT LOOP INCLUDING BOILERS, PRIMARY PUMPS, CONTROL VALVES, SECONDARY PUMPS, AND PLANT CONTROLS. THE BMS SHALL PERFORM ALL TEMPERATURE SETPOINT AND SCHEDULING FUNCTIONS. THE LEAD BOILER CONTROLLER SHALL CONTROL ALL BOILERS, PRIMARY PUMPS, AND BOILER ISOLATION VALVES AND SHALL PROVIDE ALL SAFETY INTERLOCKS. THE SYSTEM SHALL BE CONFIGURED TO ALLOW BOILERS TO SWITCH OPERATION FROM LEAD BOILER TO FOLLOW BOILER PERIODICALLY OR BY COMMAND AT EITHER THE BOILER CONTROLLERS OR THE BMS. EACH INDIVIDUAL BOILER CONTROLLER SHALL PERFORM ALL INTERNAL BOILER TEMPERATURE CONTROL FUNCTIONS AND BOILER SAFETY FUNCTIONS. EACH BOILER CONTROLLER SHALL COMMUNICATE WITH THE BMS VIA A SERIAL COMMUNICATION INTERFACE. THE BMS SHALL RECEIVE GENERAL BOILER ALARMS AND SHALL BE CAPABLE OF ALARM CALLOUT VIA EMAIL AND TEXT MESSAGE.
2. START SEQUENCE: THE HEATING PLANT SHALL START IN RESPONSE TO AN OUTSIDE AIR TEMPERATURE OF 65F (ADJ.) OR SIGNAL TO ENABLE AT THE BMS. UPON SIGNAL TO ENABLE, THE BMS AND PARENT BOILER CONTROLLER SHALL:
A. ENABLE THE BUILDING HEATING SECONDARY LOOP VARIABLE SPEED PUMPING SYSTEM.
B. ENABLE THE SNOWMELT SECONDARY LOOP VARIABLE SPEED PUMPING SYSTEM.
C. OPEN THE LEAD BOILER ISOLATION VALVE AND PROVE OPEN.
D. START THE LEAD HEATING HOT WATER PRIMARY PUMP AND PROVE VIA FLOW SWITCH.
E. OPEN THE LEAD BOILER FLUE VENT DAMPER AND ENERGIZE LEAD BOILER DRAFT FAN.
F. START THE LEAD BOILER AFTER WATER FLOW AND AIRFLOW HAVE BEEN PROVEN.
G. BUILDING HEATING SECONDARY PUMPING LOOP: START THE LEAD SECONDARY HEATING HOT WATER PUMP AND MODULATE PUMP VFD TO MAINTAIN SYSTEM DIFFERENTIAL PRESSURE SETPOINT. WHEN THE SIGNAL TO THE OPERATING PUMP(S) EXCEEDS 95% FOR 2 MINUTES (ADJ.) AND SYSTEM DIFFERENTIAL PRESSURE SETPOINT IS NOT SATISFIED, THE LAG SECONDARY PUMP SHALL BE STARTED AND SLOWLY RAMPED UP TO MATCH THE SPEED OF THE OPERATING PUMP. OPERATING SECONDARY PUMP VFD'S SHALL MODULATE IN PARALLEL AT EQUAL SPEED TO MAINTAIN SYSTEM DIFFERENTIAL PRESSURE SETPOINT. WHEN ALL OPERATING SECONDARY PUMP VFD'S HAVE BEEN AT OR BELOW 40% SPEED FOR 2 MINUTES (ADJ.), DE-ENGERIZE ONE PUMP AND MODULATE REMAINING OPERATING PUMP TO MAINTAIN SYSTEM DIFFERENTIAL PRESSURE SETPOINT. LEAD PUMP AND LAG PUMP SHALL ROTATE WEEKLY, EVERY MONDAY AT 11:00AM. PUMP ROTATION SHALL BE UTILIZED TO EQUALIZE RUN TIME BETWEEN ALL SECONDARY PUMPS. OPEN BYPASS VALVE, IF NECESSARY, TO OBTAIN SECONDARY LOOP MINIMUM FLOW OF 40% SPEED (ADJ.) OF ONE SECONDARY PUMP.
F. SNOWMELT SECONDARY PUMPING LOOP: UPON A CALL FOR HEATING IN THE SNOWMELT LOOP (VIA SNOW/ICE SENSOR, OUTSIDE AIR TEMPERATURE, MANUAL COMMAND, OR HOUR-BY-HOUR SCHEDULE), START THE LEAD SNOWMELT SECONDARY PUMP AND MODULATE PUMP VFD TO MAINTAIN THE OUTLET TEMPERATURE SETPOINT ON THE 50% PROPYLENE GLYCOL SIDE OF THE PLATE HEAT EXCHANGER. WHEN THE SIGNAL TO THE OPERATING PUMP(S) EXCEEDS 95% FOR 2 MINUTES (ADJ.) AND OUTLET TEMPERATURE SETPOINT IS NOT SATISFIED, THE NEXT SNOWMELT SECONDARY PUMP SHALL BE STARTED AND SLOWLY RAMPED UP TO MATCH THE SPEED OF THE OPERATING PUMP. OPERATING SNOWMELT SECONDARY PUMP VFD'S SHALL MODULATE IN PARALLEL AT EQUAL SPEED TO MAINTAIN PLATE HEAT EXCHANGER OUTLET TEMPERATURE SETPOINT. WHEN ALL OPERATING SECONDARY PUMP VFD'S HAVE BEEN AT OR BELOW 40% SPEED FOR 2 MINUTES (ADJ.), DE-ENGERIZE ONE PUMP AND MODULATE REMAINING OPERATING PUMP(S) TO MAINTAIN OUTLET TEMPERATURE SETPOINT. WHEN ONLY ONE PUMP IS OPERATING AT MINIMUM SPEED AND OUTLET TEMPERATURE IS ABOVE SETPOINT, THE LEAD PUMP SHALL CYCLE OFF AND ON AT MINIMUM SPEED TO MAINTAIN OUTLET TEMPERATURE. WHEN CALL FOR HEATING IN THE SNOWMELT SYSTEM HAS BEEN REMOVED (VIA SNOW/ICE SENSOR, OUTSIDE AIR TEMPERATURE, MANUAL COMMAND, OR HOUR-BY-HOUR SCHEDULE) ALL SNOWMELT SECONDARY PUMPS SHALL BE DE-ENERGIZED. LEAD PUMP AND LAG PUMPS SHALL ROTATE WEEKLY, EVERY MONDAY AT 11:00AM. PUMP ROTATION SHALL BE UTILIZED TO EQUALIZE RUN TIME BETWEEN ALL PUMPS.
G. ADDITIONAL BOILERS TO BE SEQUENCED ON VIA OPERATOR SELECTABLE METHODS : DEFICIT FLOW AND TEMPERATURE SETPOINT.
G.A. DEFICIT FLOW: ADDITIONAL BOILERS SHALL BE SEQUENCED ON WHENEVER THERE IS A DEFICIT FLOW (PRIMARY FLOW LESS THAN SECONDARY FLOW) IN THE PRIMARY/SECONDARY BYPASS PIPE. DEFICIT FLOW SHALL BE DETERMINED BY COMPARISON OF THE SUM OF DIRECT FLOW MEASUREMENT AT THE BUILDING HEAT SECONDARY LOOP AND SNOWMELT SECONDARY LOOP BTU METERS AND QUANTITY OF CONSTANT VOLUME PRIMARY PUMPS IN OPERATION. WHEN DEFICIT FLOW EXISTS CONTINUOUSLY FOR 10 MINUTES (ADJ.), THE START SEQUENCE OF AN ADDITIONAL BOILER SHALL BE INITIATED. WHEN FEWER PRIMARY PUMPS ARE REQUIRED TO MEET SECONDARY LOOP FLOW, AS DETERMINED VIA COMPARISON OF MEASURED FLOWS AND QUANTITY OF PRIMARY PUMPS IN OPERATION, INITIATE BOILER STOP SEQUENCE IN REVERSE ORDER.
G.B. TEMPERATURE: ADDITIONAL BOILERS SHALL BE SEQUENCED ON WHENEVER THE COMMON SUPPLY WATER TEMPERATURE IN THE PRIMARY LOOP IS BELOW SETPOINT. WHEN THE BOILER CONTROL SYSTEM DETERMINES THAT FEWER BOILERS MAY BE USED TO MEET THE LOAD, AS DETERMINED VIA BOILER FIRING RATES, INITATE BOILER STOP SEQUENCE IN REVERSE ORDER.
3. STOP SEQUENCE: THE HEATING PLANT SHALL STOP IN RESPONSE TO AN OUTSIDE AIR TEMPERATURE 5 DEGREES F ABOVE START TEMPERATURE(ADJ.) OR UPON SIGNAL TO DISABLE AT THE BMS. UPON SIGNAL TO DISABLE, THE BMS AND LEAD BOILER CONTROLLER SHALL:
A. DISABLE ALL BOILERS VIA SIGNAL TO THE LEAD BOILER CONTROLLER.
B. CONFIRM ALL BOILERS HAVE STOPPED VIA COMMUNICATION INTERFACE WITH THE LEAD BOILER CONTROLLER.
C. DISABLE ALL PRIMARY HEATING HOT WATER PUMPS AND CLOSE ISOLATION VALVES AFTER A 60 SECOND (ADJ.) DELAY.
D. DISABLE ALL SECONDARY LOOP PUMPS.
E. HEATING HOT WATER PLANT SHALL NOT BE RESTARTED FOR A FIVE MINUTE DELAY (ADJ.).
4. TEMPERATURE CONTROL: UPON SUCCESSFUL STARTUP, THE LEAD BOILER CONTROLLER SHALL MAINTAIN LEAVING WATER TEMPERATURE FROM EACH OPERATING BOILER AT 150 DEGREES F (ADJ.) MAXIMUM. DO NOT INCREASE LEAVING WATER TEMPERATURE SETPOINT ABOVE 150 DEGREES F IN ORDER TO AVOID RISK OF DAMAGE TO THE SNOWMELT SYSTEM. ALARM THE BMS WITH EMAIL AND TEXT MESSAGE TO FACILITIES STAFF IF PRIMARY LOOP SUPPLY WATER TEMPERATURE SETPOINT IS RAISED ABOVE 150 DEGREES F OR IF MEASURED PRIMARY LOOP SUPPLY WATER TEMPERATURE RISES ABOVE 155F FOR 5 MINUTES (ADJ.).
5. SECONDARY PUMP FAILURE: UPON FAILURE OF ONE OF THE SECONDARY PUMPS, RESET SEQUENCE TO START LAG PUMP (IF NOT ALREADY RUNNING) AND GENERATE AN APPROPRIATE ALARM AT THE BMS.
6. BOILER FAILURE: UPON SENSING A BOILER FAILURE, THE BMS OR PARENT BOILER CONTROLLER SHALL INITIATE THE STOP SEQUENCE FOR FOR THE FAILED BOILER ONLY AND LOCKOUT THAT BOILER. THE BMS OR PARENT BOILER CONTROLLER SHALL IMMEDIATELY INITIATE THE START SEQUENCE OF AN ADDITIONAL BOILER (IF NOT ALREADY OPERATING).
7. PRIMARY PUMP FAILURE: UPON SENSING A PUMP FAILURE, THE BMS OR PARENT BOILER CONTROLLER SHALL LOCKOUT AND ALARM THE FAILED PUMP. IMMEDIATELY, THE BMS OR PARENT BOILER CONTROLLER SHALL INITIATE THE STOP SEQUENCE FOR THE ASSOCIATED BOILER AND INITIATE THE START SEQUENCE OF AN ADDITIONAL BOILER (IF NOT ALREADY OPERATING).
8. BOILER ROTATION: AUTOMATIC ROTATION OF BOILER OPERATION SHALL EQUALIZE BOILER RUNTIME. ROTATION SHALL BE INITIATED BY THE FOLLOWING OPERATOR SELECTABLE METHODS:
A. REAL TIME: BASED ON DAY INTERVALS.
B. RUN TIME: ACTUAL BOILER RUN TIMES.
C. MANUAL OR FORCED.
9. COMMUNICATION FAILURE: UPON A LOSS OF SIGNAL FROM THE PARENT BOILER CONTROLLER, THE BMS SHALL MAINTAIN CURRENT VALVE POSITIONS, TEMPERATURE SETPOINTS, PRIMARY PUMP OPERATION, AND SECONDARY PUMP OPERATION AND SHALL GENERATE AN APPROPRIATE ALARM AT THE BMS. ALL ISOLATION VALVES, PRIMARY PUMPS, AND SECONDARY PUMPS SHALL BE INDEPENDENTLY CONTROLLABLE AT THE BMS OPERATOR STATION.
10. BOILER PLANT STATUS DISPLAY - THE BMS SHALL PROVIDE A PLANT STATUS REPORT. THE DISPLAY SHALL INCLUDE THE FOLLOWING:
A. ON/OFF STATUS OF EACH BOILER.
B. ON/OFF STATUS AND SPEED OF EACH PRIMARY AND SECONDARY PUMP.
C. BUILDING HEATING SECONDARY LOOP DIFFERENTIAL PRESSURE AND SETPOINT.
D. BUILDING HEATING SECONDARY LOOP BYPASS VALVE POSITION.
E. BUILDING HEATING SECONDARY EWT AND LWT DOWNSTREAM OF SECONDARY LOOP BYPASS VALVE (PLANT ENTERING/LEAVING CONDITIONS TO THE SYSTEM).
F. SNOWMELT HEAT EXCHANGER EWT AND LWT ON BOTH THE 30% PG AND 50% PG SIDES OF THE HEAT EXCHANGER.
G. PRIMARY LOOP SUPPLY AND RETURN WATER TEMPERATURES.
H. TOTAL BUILDING HEAT MBH CONSUMPTION.
I. TOTAL SNOWMELT SYSTEM MBH CONSUMPTION.

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△	Date	Description
	2021.05.19	BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
1	2021.06.25	BP3: GOLDWALK - BULLETIN 2

Seal / Signature

COLORADO LICENSED RAGHEN E. EDWARDS 56806 PROFESSIONAL ENGINEER
06/28/2021

Project Name
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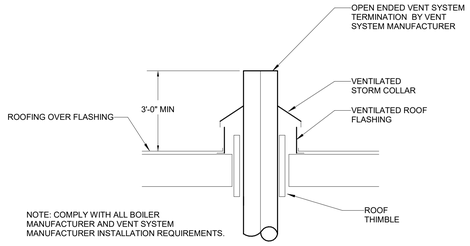
Project Number
003.7835.000

Description
GOLD WALK - MECHANICAL CONTROLS

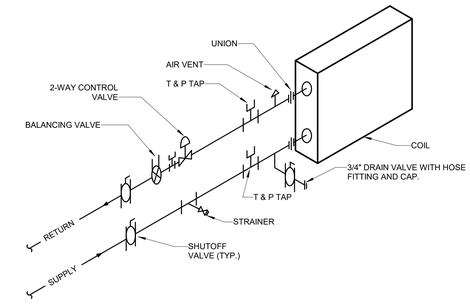
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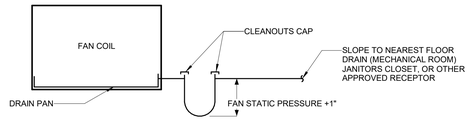


5 BOILER STACK DETAIL
NO SCALE



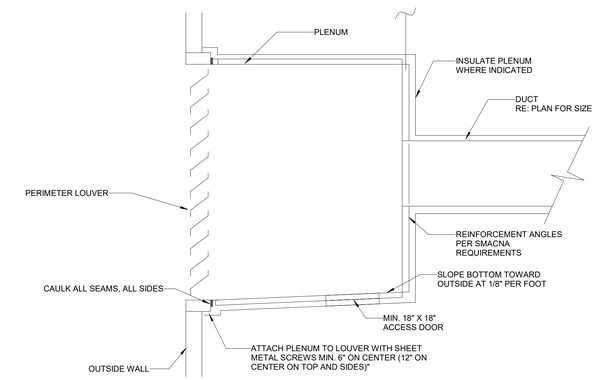
1 TYPICAL WATER COIL CONNECTION DETAIL (2 WAY CONTROL)
NO SCALE

△1



NOTE:
1. INSULATE CONDENSATE DRAIN WHEN ABOVE CEILINGS.

3 FAN COIL UNIT CONDENSATE DRAIN DETAIL
NO SCALE



4 EXTERIOR LOUVER PLENUM BOX DETAIL
NO SCALE

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Seal / Signature

COLORADO LICENSED MARION E. EDWARDS 56806 PROFESSIONAL ENGINEER
06/28/2021

Project Name
SSRC | BASE AREA IMPROVEMENTS

Project Number
003.7835.000

Description
GOLD WALK - MECHANICAL DETAILS

Scale
NO SCALE

1B-M8.001

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EXPANSION TANK

CODE (ET)	MANUFACTURER/ MODEL NO.	SERVICE	DESIGN PARAMETERS SYSTEM VOLUME	DESIGN PARAMETERS MIN. TEMPERATURE (F)	DESIGN PARAMETERS MAX. TEMPERATURE (F)	OPERATING PARAMETERS MIN. PRESSURE (PSIG)	OPERATING PARAMETERS MAX. PRESSURE (PSIG)	CONFIG.	TYPE	MIN. ACCEPT. (GAL)	PRECHARGE (PSIG)	REMARKS
1B.01	TACO/CA800-125	HEATING HOT WATER	3,000	40	160	25	67.5	VERTICAL	B	211.0	25.0	A

GENERAL NOTES:
1. TYPE: B=FULL ACCEPTANCE BLADDER.
2. LOCATE GLYCOL FEEDER CONNECTION AT EXPANSION TANK CONNECTION TO HYDRONIC SYSTEM. REFER TO DETAIL.
3. PROVIDE MAKEUP WATER WITH FILL PRESSURE NO HIGER THAN 25 PSIG.
4. PROVIDE PRESSURE RELIEF VALVE SET AT 75 PSIG.

REMARK NOTES
A. FLUID CONTAINS 30% PROPYLENE GLYCOL.

AIR SEPARATOR

CODE (AS)	SERVICE	DESIGN PARAMETERS SYSTEM FLOW (GPM)	DESIGN PARAMETERS PIPE SIZE (IN)	MAX PD (FT. HD.)	MANUFACTURER/ MODEL NO.	DIMENSIONS DIAMETER (IN.)	DIMENSIONS HEIGHT (IN.)	WEIGHT (LBS)	REMARKS
1B.01	SNOWMELT SECONDARY LOOP	1,905	10"	1.5	TACO/ACT10F	30	58	2,200	A,B
1B.02	BUILDING HEAT SECONDARY LOOP	500	6"	1.5	TACO/ACT06F	20	41	800	A,C

GENERAL NOTES:
1. PROVIDE WITH INTEGRAL STRAINER. INSTALL WITH ADEQUATE CLEARANCE FOR STRAINER PULL.

REMARK NOTES
A. FLUID CONTAINS 30% PROPYLENE GLYCOL.
B. PROVIDE WITH FLOOR STAND SUPPORT.
C. SUSPEND FROM STRUCTURE.

BOILER SCHEDULE (HYDRONIC)

CODE (B)	MANUFACTURER/ MODEL NO.	INPUT (MBH) (S.L.)	OUTPUT (MBH) (ALT.)	GPM	WPD (FT)	ELECTRICAL VOLT	PH	FLA	FUSE	DISCON.	FEEDER	WEIGHT (LBS)	REMARKS
1B.01	LOCHINVAR/CREST FB-5001	5,000	4,314	455	14	480	3	5	15A LPS-RK	30A/3P	(3#12, #12G) 3/4"C	6,000	
1B.02	LOCHINVAR/CREST FB-5001	5,000	4,314	455	14	480	3	5	15A LPS-RK	30A/3P	(3#12, #12G) 3/4"C	6,000	
1B.03	LOCHINVAR/CREST FB-5001	5,000	4,314	455	14	480	3	5	15A LPS-RK	30A/3P	(3#12, #12G) 3/4"C	6,000	
1B.04	LOCHINVAR/CREST FB-5001	5,000	4,314	455	14	480	3	5	15A LPS-RK	30A/3P	(3#12, #12G) 3/4"C	6,000	
1B.05	LOCHINVAR/CREST FB-5001	5,000	4,314	455	14	480	3	5	15A LPS-RK	30A/3P	(3#12, #12G) 3/4"C	6,000	
1B.06	NOT USED												
1B.07	NOT USED												

GENERAL NOTES:
1. EWT = 130˚F, LWT = 150˚F.
2. 30% PROPYLENE GLYCOL HEATING FLUID.
3. JOB SITE ELEVATION = 6,700 FT.
4. FUEL TYPE = NATURAL GAS.
5. COMMON VENT CONFIGURATION WITH DOUBLE WALL FIBER INSULATED STAINLESS STEEL VENTING SYSTEM AND AUTOMATED VENT DAMPERS BY VENT DUCT MANUFACTURER.
6. PROVIDE CONDENSATE NEUTRALIZATION SYSTEM WITH EACH BOILER.
7. FORCE DRAFT, LOW NOX BURNER. ADJUST TO MINIMIZE LOSS DUE TO OPERATING ELEVATION.
8. BOILER PLANT SIZED FOR N+1 REDUNDANCY WITH FULLY REDUNDANT BOILER AND ASSOCIATED PRIMARY PUMP.

PUMP SCHEDULE

CODE	MANUFACTURER/ MODEL NO.	SERVICE	PUMP TYPE	GPM	HEAD (FT)	NPSHR (FT)	IMPELLER DIA (IN)	BHP	ELECTRICAL HP	VOLT	PH	FLA	FUSE	DISCON.	FEEDER	REMARKS
HWP-1B.01	TACO/KV 5007D	PRIMARY HEATING LOOP	INLINE	455	25	7.2	6	3.48	5	460	3	8	15A LPS-RK	30A/3P	(3#12, #12G) 3/4"C	C
HWP-1B.02	TACO/KV 5007D	PRIMARY HEATING LOOP	INLINE	455	25	7.2	6	3.48	5	460	3	8	15A LPS-RK	30A/3P	(3#12, #12G) 3/4"C	C
HWP-1B.03	TACO/KV 5007D	PRIMARY HEATING LOOP	INLINE	455	25	7.2	6	3.48	5	460	3	8	15A LPS-RK	30A/3P	(3#12, #12G) 3/4"C	C
HWP-1B.04	TACO/KV 5007D	PRIMARY HEATING LOOP	INLINE	455	25	7.2	6	3.48	5	460	3	8	15A LPS-RK	30A/3P	(3#12, #12G) 3/4"C	C
HWP-1B.05	TACO/KV 5007D	PRIMARY HEATING LOOP	INLINE	455	25	7.2	6	3.48	5	460	3	8	15A LPS-RK	30A/3P	(3#12, #12G) 3/4"C	C
HWP-1B.06	NOT USED															
HWP-1B.07	NOT USED															
HWP-1B.08	TACO/SKV 3009D	BUILDING SECONDARY LOOP	INLINE	250	75	6	9	6	7.5	460	3	11	15A LPS-RK	30A/3P	(3#12, #12G) 3/4"C	A,B,C
HWP-1B.09	TACO/SKV 3009D	BUILDING SECONDARY LOOP	INLINE	250	75	6	9	6	7.5	460	3	11	15A LPS-RK	30A/3P	(3#12, #12G) 3/4"C	A,B,C
HWP-1B.10	TACO/SKV 6007D	SNOWMELT SECONDARY LOOP	INLINE	635	40	9	7.25	7.31	10	460	3	14	20A LPS-RK	30A/3P	(3#12, #12G) 3/4"C	A,C,F
HWP-1B.11	TACO/SKV 6007D	SNOWMELT SECONDARY LOOP	INLINE	635	40	9	7.25	7.31	10	460	3	14	20A LPS-RK	30A/3P	(3#12, #12G) 3/4"C	A,C,F
HWP-1B.12	TACO/SKV 6007D	SNOWMELT SECONDARY LOOP	INLINE	635	40	9	7.25	7.31	10	460	3	14	20A LPS-RK	30A/3P	(3#12, #12G) 3/4"C	A,C,F
GP-1B.01	NEPTUNE/G-50	GLYCOL FEEDER	POS. DISP.	--	--	--	--	--	0.5	120	1	10	-	CORD & PLUG	(2#12, #12G) 3/4"C	C,D

GENERAL NOTES:
1. PROVIDE MAGNETIC STARTER WITH AUXILIARY CONTACTS AND HOA SWITCH ON ALL THREE PHASE MOTORS.
2. PROVIDE PREMIUM EFFICIENCY MOTORS FOR MOTORS 1 HP AND OVER PER NEMA STANDARD MG1-2003, TABLES 12-12 AND 12-13.
3. FOR PARALLEL PUMP APPLICATIONS MANUFACTURER SHALL REVIEW SINGLE PUMP OPERATION SUCH THAT PUMP CAN OPERATE AND NOT EXCEED THE END OPERATION POINT ON THE PUMP CURVE AND MOTOR HP IS PROPERLY SELECTED TO PREVENT OVERLOADING.
4. NPSHR AT SCHEDULED OPERATING POINT SHALL NOT EXCEED 0.8'NPSHA.
5. REFER TO DRAWINGS TO DETERMINE REQUIRED PUMP ROTATION. COORDINATE WITH MECHANICAL CONTRACTOR PRIOR TO ORDERING.

REMARK NOTES:
A. PROVIDE WITH VARIABLE FREQUENCY DRIVE WITH INTEGRAL OVER-CURRENT PROTECTION AND GROUND FAULT PROTECTION PER NEC 430. VARIABLE FREQUENCY DRIVE SHALL BE INTEGRAL TO THE PUMP.
B. 50% CAPACITY (PARALLEL PUMP APPLICATION).
C. FLUID CONTAINS 30% PROPYLENE GLYCOL. ALL PUMP COMPONENTS IN CONTACT WITH FLUID SHALL BE COMPATIBLE WITH GLYCOL. ADJUST STANDARD CATALOG PERFORMANCE TO ACCOUNT FOR USE OF GLYCOL.
D. ELECTRICAL CONNECTION TO 120V WALL RECEPTACLE.
E. FLUID CONTAINS 30% PROPYLENE GLYCOL.
F. 33% CAPACITY (PARALLEL PUMP APPLICATION).

PLATE HEAT EXCHANGER SCHEDULE

CODE (PHX)	MANUFACTURER/ MODEL NO.	TOTAL HEAT TRANSFER (MBH)	HOT SIDE EWT (F)	HOT SIDE LWT (F)	HOT SIDE FLUID	HOT SIDE GPM	HOT SIDE WPD (FT)	COLD SIDE EWT (F)	COLD SIDE LWT (F)	COLD SIDE FLUID	COLD SIDE GPM	COLD SIDE WPD (FT)	DIMENSIONS HEIGHT (IN)	DIMENSIONS WIDTH (IN)	DIMENSIONS LENGTH (IN)	OPERATING WEIGHT (LBS)	REMARKS
1B.01	TACO/PF 160-319-4-NH	22,200	150	125	30% PG	1870	11.7	120	145	50% PG	1980	14.9	110	47	109	20,000	

GENERAL NOTES:
1. 150 PSIG MAX OPERATING PRESSURE.

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△	Date	Description
	2021.05.19	BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
1	2021.06.25	BP3: GOLDWALK - BULLETIN 2

Seal / Signature

COLORADO LICENSED MATHEW E. EDWARDS 56806 PROFESSIONAL ENGINEER

06/28/2021

Project Name

SSRC | BASE AREA IMPROVEMENTS

Project Number

003.7835.000

Description

GOLD WALK - MECHANICAL SCHEDULES

Scale

1B-MEP0.000

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SPLIT SYSTEM AIR CONDITIONER SCHEDULE

CODE (SSAC)	MANUFACTURER/ MODEL NO.	AREA SERVED	SUPPLY FAN CFM	SUPPLY FAN ESP (IN.)	COOLING CAPACITY (MBH) TOTAL	COOLING CAPACITY (MBH) SENS.	COOLING SEER	HEATING (47 F) MBH	HEATING (47 F) COP	ELECTRICAL VOLT	ELECTRICAL PH	ELECTRICAL MCA	ELECTRICAL FUSE	ELECTRICAL DISCON.	ELECTRICAL FEEDER	REMARKS
1B.01	MITSUBISHI/PCA-A42KA7	BOILER ROOM	810	0	42.0	32.0	17.6	31.8	3.8	208	1	2	-	S.T.O.	(3#12,#12G) - 3/4"C	A
1B.02	MITSUBISHI/PCA-A42KA7	BOILER ROOM	810	0	42.0	32.0	17.6	31.8	3.8	208	1	2	-	S.T.O.	(3#12,#12G) - 3/4"C	A
1B.03	MITSUBISHI/PCA-A42KA7	BOILER ROOM	810	0	42.0	32.0	17.6	31.8	3.8	208	1	2	-	S.T.O.	(3#12,#12G) - 3/4"C	A
1B.04	MITSUBISHI/PCA-A42KA7	BOILER ROOM	810	0	42.0	32.0	17.6	31.8	3.8	208	1	2	-	S.T.O.	(3#12,#12G) - 3/4"C	A
1B.05	MITSUBISHI/PCA-A42KA7	MECH	810	0	42.0	32.0	17.6	31.8	3.8	208	1	2	-	S.T.O.	(3#12,#12G) - 3/4"C	A
1B.06	MITSUBISHI/PKA-A36KA7	ELEC	810	0	36.0	30.0	18.8	38	4.52	208	1	1	-	S.T.O.	(3#12,#12G) - 3/4"C	
1B.07	MITSUBISHI/PKA-A12KA7	MECH	335	0	12.0	9.0		-	-	208	1	1	-	S.T.O.	(3#12,#12G) - 3/4"C	

GENERAL NOTES
1. JOB SITE ELEVATION: 6700 FT.
2. DISCONNECT BY DIVISION 26.
3.PROVIDE CONDENSATE PUMP POWERED FROM EQUIPMENT. PUMP SHALL BE PROVIDED WITH VOLTAGE MATCHING FAN COIL UNIT. IF TRANSFORMER IS PROVIDED FOR CONDENSATE PUMP OPERATION, PROVIDE LINE ITEM COST. GRAVITY DRAINAGE ACCEPTABLE WHERE POSSIBLE.
4. PROVIDE WALL MOUNTED, WIRED THERMOSTAT.
5. PROVIDE LOW AMBIENT CONTROLS.
6. INDOOR UNIT POWERED FROM OUTDOOR UNIT. WIRING BETWEEN INDOOR AND OUTDOOR UNIT TO BE PROVIDED BY DIVISION 26.

REMARK NOTES
A. PROVIDE WITH A FILTER BOX

SPLIT SYSTEM CONDENSING UNIT SCHEDULE

CODE (CU)	MANUFACTURER/ MODEL NO.	MATCHING INDOOR UNIT	CLG CAPACITY (MBH)	HTG CAPACITY AT 47F OA (MBH)	ELECTRICAL MCA	ELECTRICAL VOLT	ELECTRICAL PH	ELECTRICAL FUSE	ELECTRICAL DISC	ELECTRICAL FEEDER	REMARKS
1B.01	MITSUBISHI/PUZ-A42NKA7	SSAC 1B.01	42	45	25	208	1	30A...	30A/3P	(3#10,#10G) - 3/4"C	
1B.02	MITSUBISHI/PUZ-A42NKA7	SSAC 1B.02	42	45	25	208	1	30A...	30A/3P	(3#10,#10G) - 3/4"C	
1B.03	MITSUBISHI/PUZ-A42NKA7	SSAC 1B.03	42	45	25	208	1	30A...	30A/3P	(3#10,#10G) - 3/4"C	
1B.04	MITSUBISHI/PUZ-A42NKA7	SSAC 1B.04	42	45	25	208	1	30A...	30A/3P	(3#10,#10G) - 3/4"C	
1B.05	MITSUBISHI/PUZ-A42NKA7	SSAC 1B.05	42	45	25	208	1	30A...	30A/3P	(3#10,#10G) - 3/4"C	
1B.06	MITSUBISHI/PUZ-A36NKA7	SSAC 1B.06	36	38	25	208	1	30A...	30A/3P	(3#10,#10G) - 3/4"C	
1B.07	MITSUBISHI/PUY-A12NKA7	SSAC 1B.07	12	-	11	208	1	15A...	30A/3P	(3#12,#12G) - 3/4"C	

GENERAL NOTES:
1. AMBIENT AIR TEMPERATURE = 95˚F.
2. PROVIDE LOW AMBIENT CONTROLS WITH WIND BAFFLE.
3. PROVIDE MANUFACTURER'S REQUIRED MINIMUM CLEARANCE AROUND UNIT.
4. MOUNT CONDENSING UNITS ON WALL SHELF IN PARKING GARAGE SPACE. PROVIDE NEOPRENE PAD ISOLATORS BELOW EACH CONDENSING UNIT. MAINTAIN MANUFACTURER'S MINIMUM CLEARANCE REQUIREMENTS.

UNIT HEATER SCHEDULE (HYDRONIC)

CODE (UH)	MANUFACTURER/ MODEL NO.	SERVICE	CAPACITY (MBH)	WATER SIDE GPM	WATER SIDE WPD (FT)	AIR SIDE EAT (F)	AIR SIDE LAT (F)	AIR SIDE CFM	ELECTRICAL WATTS	ELECTRICAL VOLT	ELECTRICAL PH	ELECTRICAL FLA	ELECTRICAL DISC	ELECTRICAL FUSE	ELECTRICAL FEEDER	REMARKS
2	TRANE / UHSB18	SEE PLANS	18	1.9	2.2	60	95	500	16	120	1	1	S.T.O.	-	(2#12, #12G) 3/4"C	A,B
3	TRANE / UHSB25	SEE PLANS	24	2.5	2.2	60	95	580	25	120	1	1	S.T.O.	-	(2#12, #12G) 3/4"C	A,B

GENERAL NOTES
1. EWT =150F, LWT = 130F.
2. WATER CONTAINS 30% PROPYLENE GLYCOL.
3. JOB SITE ELEVATION = 6700 FT.

REMARK NOTES
A. PROVIDE WALL MOUNTED THERMOSTAT.
B. HORIZONTAL DISCHARGE W/ LOUVER.

LOUVER SCHEDULE

CODE (LV)	MANUFACTURER/ MODEL NO.	SERVICE	AIRFLOW (CFM)	MINIMUM FREE AREA...	FACE... (IN X IN)	REMARKS
1B.01	RUSKIN/ELF6375DX	BOILER COMBUSTION AIR	10,000	20	84X60	

GENERAL NOTES:
1. LOUVERS ARE PROVIDED BY DIVISION 23.
2. REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL DETAILS.

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Date	Description
2021.05.19	BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
1 2021.06.25	BP3: GOLDWALK - BULLETIN 2

Seal / Signature

COLORADO LICENSED MATHEW E. EDWARDS 56806 PROFESSIONAL ENGINEER

06/28/2021

Project Name

SSRC | BASE AREA IMPROVEMENTS

Project Number

003.7835.000

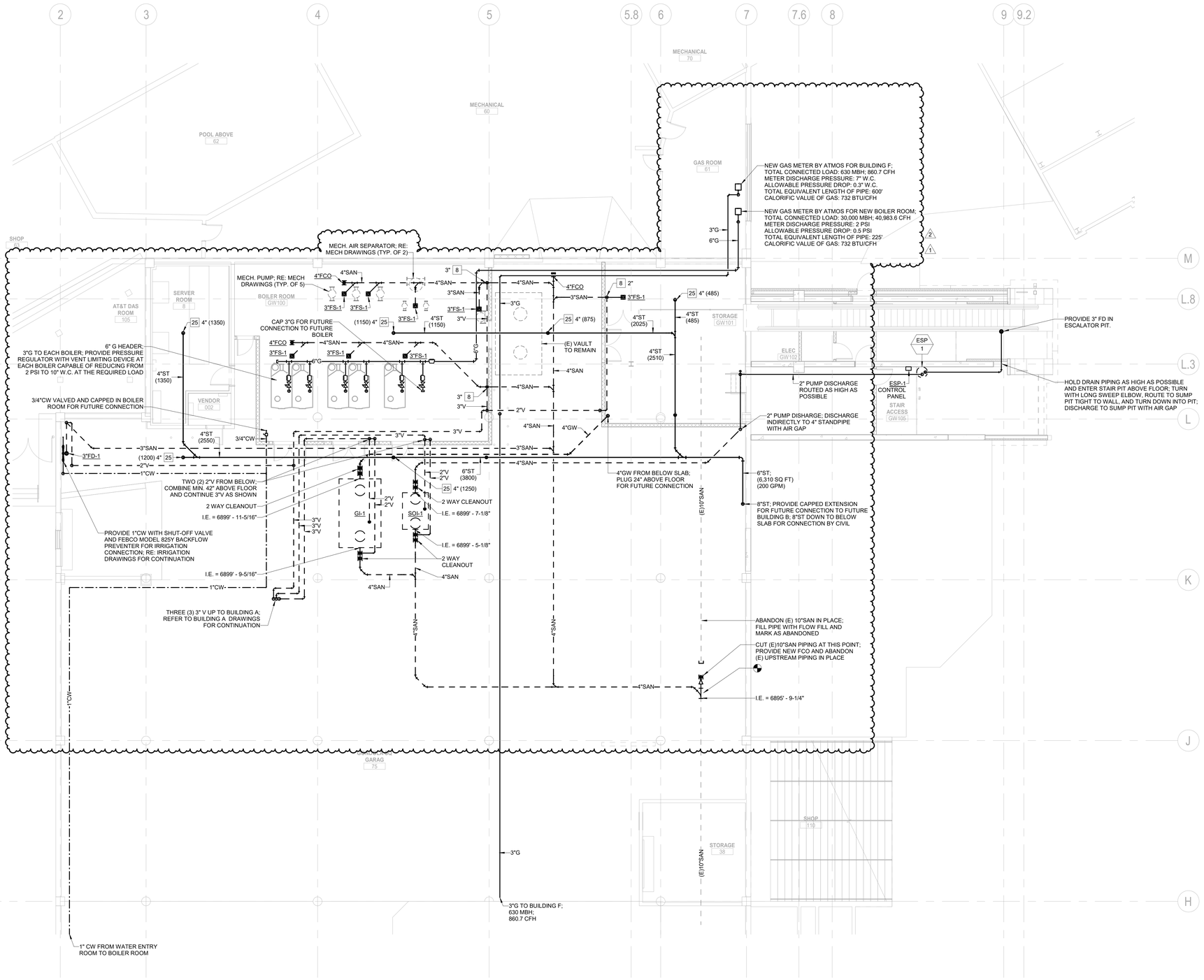
Description

GOLD WALK - MECHANICAL SCHEDULES

Scale

1B-MEP0.001

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GENERAL NOTES:

1. FIELD VERIFY THE EXACT LOCATION OF ALL EXISTING PIPING, FIXTURES, AND EQUIPMENT SCHEDULED TO BE DEMOLISHED PRIOR TO COMMENSING WORK.

2. FIELD VERIFY THE EXACT LOCATION OF ALL EXISTING PIPING THAT REQUIRES CONNECTION TO NEW PRIOR TO COMMENSING WORK.

3. REQUIRED PIPE SIZES ARE SHOWN NEXT TO KEY NOTE.

4. PROVIDE BALL VALVE SHUTOFF AND 12"X12" ACCESS PANEL AT EACH SHOCK ABSORBER (SA). PANEL LOCATION TO BE VERIFIED AND COORDINATED WITH ARCHITECT.

5. ALL CIRCUIT SETTERS SHALL BE SET AT 1.0 GPM UNLESS NOTED OTHERWISE.

KEY NOTES:

(SOME KEY NOTES MAY NOT APPLY TO THIS SHEET)

1 SANITARY PIPING UP
2 SANITARY PIPING DN
3 SANITARY PIPING UP & DN
4 GW PIPING UP
5 GW PIPING DN
6 GW PIPING UP & DN
7 SANITARY VENT UP
8 SANITARY VENT DN
9 SANITARY VENT UP & DN
10 CW PIPING UP
11 CW PIPING DN
12 CW PIPING UP & DN
13 HW PIPING UP
14 HW PIPING DN
15 HW PIPING UP & DN
16 HWC PIPING UP
17 HWC PIPING DN
18 HWC PIPING UP & DN
19 CW & HW PIPING UP
20 CW & HW PIPING DN
21 CW & HW PIPING UP & DN
22 GAS PIPING UP
23 GAS PIPING DN
24 GAS PIPING UP & DN
25 STORM PIPING UP
26 STORM PIPING DN
27 STORM PIPING UP & DN
28 OVERFLOW PIPING UP
29 OVERFLOW PIPING DN
30 OVERFLOW PIPING UP &DN
31 OVERFLOW PIPING DOWN AND THRU WALL TO DOWNSPOUT NOZZLE +12" AFG
32 SANITARY PIPING UP TO PLUMBING FIXTURES
33 PIPING UP TO CLEANOUT
34 1/2" CW & HW TO EACH LAV/SK
35 PIPING UP TO DRAIN
36 1/2" CW & HW DOWN TO SHOWER VALVE & 1/2" UP TO SHOWERHEAD

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△	Date	Description
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1	2021.06.04	RFI 007 & 008
2	2021.06.25	BP3: GOLDWALK - BULLETIN 2

Seal / Signature

COLORADO LICENSED MATTHEW E. EDWARDS 56806 PROFESSIONAL ENGINEER
06/28/2021

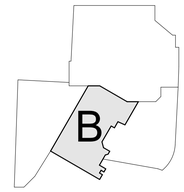
Project Name
SSRC | BASE AREA IMPROVEMENTS

Project Number
003.7835.000

Description
GOLD WALK - PLUMBING PLAN - LEVEL 01

Scale
1/8" = 1'-0"

KEY PLAN



1B-P1.201

1 PLUMBING PLAN - LEVEL 01 (Summer 2021)
SCALE: 1/8" = 1'-0"

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(EX) MECH IIA

LOCATION: GONDOLA SQ GARAGE... **VOLTAGE:** 480/277 Wye **BUS:** 800 A
SUPPLY FROM: MDS **SCCR:** **MAIN:** 800 A - MCB

LOADS SUMMARY	EXIST	LTG	RECPT	MOTOR	MISC.	KITCHEN	ELECTRIC HEAT	EV CHARGE	Load	
BP4D: EXISTING LOADS									--	--
EXISTING METERED LOAD	245680								245680 VA	296 A
ATS-DC		168	2700	63090	42660				108618 VA	131 A
DEMOLISHED LOAD (SUBTRACTED)									0 VA	--
(EX) GH - BOILER ROOM	-37835								-37835 VA	-46 A
BP4D: EXISTING + NEW LOADS									0 VA	--
(E) LCC	32513	705	7400	46726			8482		95826 VA	115 A
BP4D: DEDUCT FOR LOAD DUPLICATION									0 VA	--
(E) LCC DEDUCT	-32513								-32513 VA	-39 A
CONNECTED TOTALS (V-A)	207845	873	10100	109816	42660		8482		379776 VA	457 A
DIVERSITY FACTORS	125%	100%	100%	105%	100%		100%		--	--
DEMAND TOTAL (V-A)	259806	873	10050	115511	42660		8482		437382 VA	526 A

NOTE:
1. LOADS INDICATED AS NEGATIVE VALUES ARE LOADS THAT ARE BEING DEMOLISHED. THIS EQUIPMENT WAS METERED BY THE CONSTRUCTION TEAM FOR 30 DAYS FROM 3/18/21 THROUGH 4/23/21 DURING NORMAL OCCUPANCY OF THE BUILDING. LOADS AT THE BOTTOM OF THE LOAD SUMMARY THAT ARE LISTED AS DEDUCTS ARE QUANTIZED TO ELIMINATE LOAD DUPLICATION ON METERED DOWNSTREAM EQUIPMENT.
2. NO LOAD IS BEING ADDED TO MECH IIA AS A PART OF THIS BID PACKAGE. EXISTING MECH IIA SHALL BE RE-FED FROM THE NEW SERVICE ENTRANCE SWITCHBOARD 'MDS'. LOADS OTHER THAN EXISTING ARE INDICATED ABOVE FROM ATS-DC WHICH IS BP1B SCOPE ADDED PRIOR TO ISSUANCE OF THIS BID PACKAGE AFTER UTILITY METERING OCCURED.
3. EXISTING UILITY METER DATA IS OBTAINED FROM THE UTILITY FOR 1/18/20 THROUGH 1/18/21. THE EXISTING LOAD ABOVE IS THE PEAK DEMAND OVER THIS PERIOD.

(EX) MECH IIB

LOCATION: ELECTRICAL 43 **VOLTAGE:** 480/277 Wye **BUS:** 600 A
SUPPLY FROM: MDS **SCCR:** **MAIN:** 600 A - MCB

LOADS SUMMARY	EXIST	LTG	RECPT	MOTOR	MISC.	KITCHEN	ELECTRIC HEAT	EV CHARGE	Load	
BP4D: EXISTING LOADS									0 VA	--
EXISTING METERED LOAD	150737								150737 VA	181 A
DEMOLISHED LOAD (SUBTRACT)									--	--
(EX) SKIS1XNW - SKI SCHOOL	-58282								-58282 VA	-70 A
BP4D: EXISTING + NEW LOADS									0 VA	--
(E) T-SK	13967	6280	35920	9206	13420	9120	8187		98300 VA	118 A
BP4D: DEDUCT FOR DUPLICATION									0 VA	--
(E) SK DEDUCT	-13967								-13967 VA	-17 A
CONNECTED TOTALS (V-A)	92455	6280	35920	9206	13420	9120	8187		176788 VA	213 A
DIVERSITY FACTORS	125%	100%	64%	106%	100%	65%	100%		--	--
DEMAND TOTAL (V-A)	115569	6280	22960	9746	13420	5928	8187		184290 VA	222 A

NOTE:
1. LOADS INDICATED AS NEGATIVE VALUES ARE LOADS THAT ARE BEING DEMOLISHED. THIS EQUIPMENT WAS METERED BY THE CONSTRUCTION TEAM FOR 30 DAYS FROM 3/18/21 THROUGH 4/23/21 DURING NORMAL OCCUPANCY OF THE BUILDING. LOADS AT THE BOTTOM OF THE LOAD SUMMARY THAT ARE LISTED AS DEDUCTS ARE QUANTIZED TO ELIMINATE LOAD DUPLICATION ON METERED DOWNSTREAM EQUIPMENT.
2. NO LOAD IS BEING ADDED TO MECH IIB AS A PART OF THIS BID PACKAGE. EXISTING MECH IIB SHALL BE RE-FED FROM THE NEW SERVICE ENTRANCE SWITCHBOARD 'MDS'.
3. EXISTING UILITY METER DATA IS OBTAINED FROM THE UTILITY FOR 1/18/20 THROUGH 1/18/21. THE EXISTING LOAD ABOVE IS THE PEAK DEMAND OVER THIS PERIOD.

MDS

LOCATION: **VOLTAGE:** 480/277 Wye **BUS:** 2000 A
SUPPLY FROM: UTILITY TRANSFORMER **SCCR:** RE:ONE-LINE **MAIN:** 2000 A - MCB

LOADS SUMMARY	EXIST	LTG	RECPT	MOTOR	MISC.	KITCHEN	ELECTRIC HEAT	EV CHARGE	Load	
BP4D: EXISITING + NEW LOADS									--	--
(EX) MECH IIA	207845	873	10100	109816	42660		8482		379776 VA	457 A
(EX) MECH IIB	92455	6280	35920	9206	13420	9120	8187		176788 VA	213 A
BP3: GOLD WALK - NEW LOADS									--	--
BRH		378	1080	260084	1750		20785		284077 VA	342 A
GWH	55372	7286	14080	44447	1920		16320		139425 VA	168 A
CONNECTED TOTALS (V-A)	355672	14817	61180	423553	59750	9120	53774		980066 VA	1179 A
DIVERSITY FACTORS	125%	100%	58%	109%	100%	65%	100%		--	--
DEMAND TOTAL (V-A)	444590	14817	35590	461380	59750	5928	53774		1078029 VA	1297 A

GENERAL NOTES:

1. ALL FEEDERS AND TERMINATIONS SHALL BE COPPER 75 DEGREE RATED.
2. FEEDER LENGTHS ARE INDICATED FOR CALCULATION PURPOSES ONLY. THIS DRAWING IS NOT TO SCALE. FEEDERS LENGTHS MUST BE CONFIRMED WITH THE CONTRACTOR.
3. ALL CONDUIT RUNS SHALL BE RAN PERPENDICULAR AND PARALLEL TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT RUNS SHALL BE COORDINATED WITH ARCHITECT PRIOR TO INSTALLATION.
4. FOR CALCULATION PURPOSES THE FOLLOWING TRANSFORMER (2016 DOE) IMPEDANCES AND MAXIMUM SHORT CIRCUIT VALUES WERE USED
   15 KVA-3.1%Z, ISC=1,343A.
   30 KVA-2.5%Z, ISC=1,665A.
   45 KVA-3.2%Z, ISC=3,903A.
   75 KVA-2.8%Z, ISC=7,330A.
   112.5 KVA-3.4%Z, ISC=9,184A.
5. PROVIDE FULL BUSSING FOR ALL SPACES INDICATED ON PANEL BOARDS.
6. CONNECT ALL TRANSFORMER GROUNDING ELECTRODES TO GROUND BUS RISER AND COLD WATER PIPE.
7. REFER TO DETAIL SHEET 1B-E8.001 FOR PANELBOARD AND SWITCHBOARD NAMEPLATE DETAILS.
8. ALL NEW PANELS INDICATED HERE SHALL HAVE INTEGRAL SURGE PROTECTION DEVICES LOCATED INTERNAL TO PANEL. SURGE PROTECTION DEVICE TO HAVE ALL MODES OF PROTECTION.

KEYNOTES:

1 NOT USED.

2 PROVIDE E-GAUGE CORE METERING (OR APPROVED EQUAL) FOR GOLD WALK SCOPE. FACTORY TRAINING AND MONITORING SOFTWARE TO BE INCLUDED.

3 PROVIDE NEMA 3R ENCLOSURE FOR THIS ELECTRICAL DISTRIBUTION EQUIPMENT.

4 PROVIDE SHUNT MAIN BREAKER TIED TO EPO. REFER TO PLANS FOR EPO LOCATION.

5 INTERCEPT AND EXTEND EXISTING BRANCH CIRCUITING SERVED BY EXISTING SKI CORP PANEL TO NEW SKI CORP PANEL LOCATION IN GOLD WALK ELECTRICAL ROOM. INDIVIDUAL BRANCH CIRCUITS SHALL BE EXTENDED IN KIND TO NEW LOCATION. PROVIDE PULL BOX AS REQUIRED FOR RE-ROUTE OF CONDUIT.

6 INTERCEPT AND EXTEND EXISTING FEEDERS CURRENTLY SERVICING PANELS FED FROM DEMOLITION SCOPE. FEEDERS AND CONDUIT SHALL BE EXTENDED IN KIND TO NEW LOCATION. PROVIDE PULL BOX AT INTERCEPTION POINT AS REQUIRED FOR RE-ROUTE OF CONDUIT TO NEW GWL PANEL FOR RE-FEED.

7 LOCATE MINIMUM 16 ZONE COMBINATION DIMMING/RELAY PANEL ADJACENT TO THIS PANEL.

8 PROVIDE #4/0 CU GROUND CONNECTION TO BUILDING STEEL AND MAIN ELECTRICAL ROOM GROUND BUS.

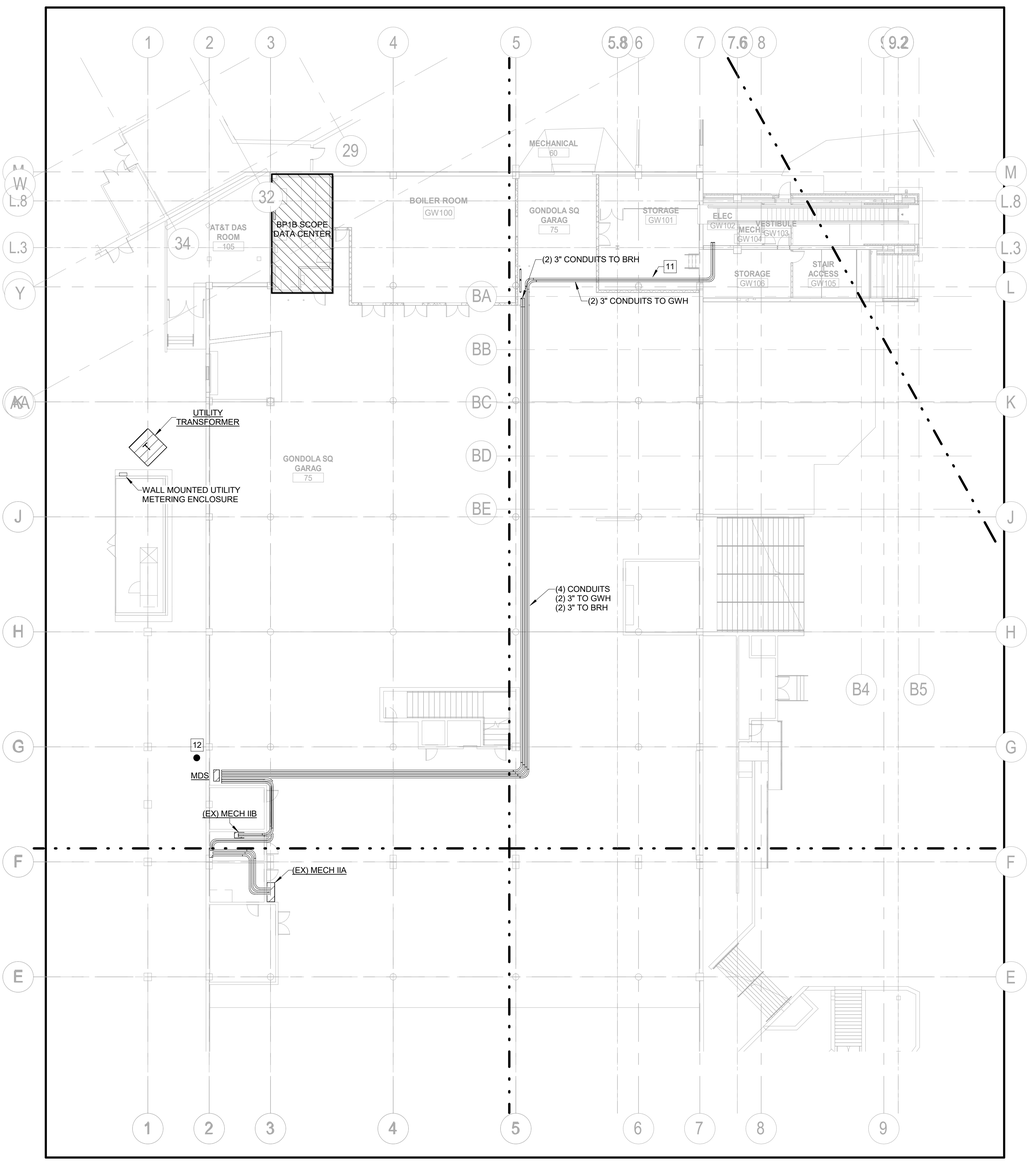
9 NEUTRAL GROUND BOND.

10 PROVIDE METERING FOR BRANCH CIRCUITS SERVING PLUG LOAD AND LIGHTING LOAD FOR ASHRAE-90.1 SECTION 8.4.3 COMPLIANCE.

11 ROUTE CONDUIT THROUGH STORAGE 101 TO CLEAR FUTURE BUILDING B.

12 PROVIDE GROUND TEST WELL FOR ELECTRICAL SERVICE FEEDING GONDOLA SQUARE. REFER TO DETAIL 4/1B-E.8000 FOR MORE INFORMATION.

1 LOAD SUMMARY
SCALE: NONE



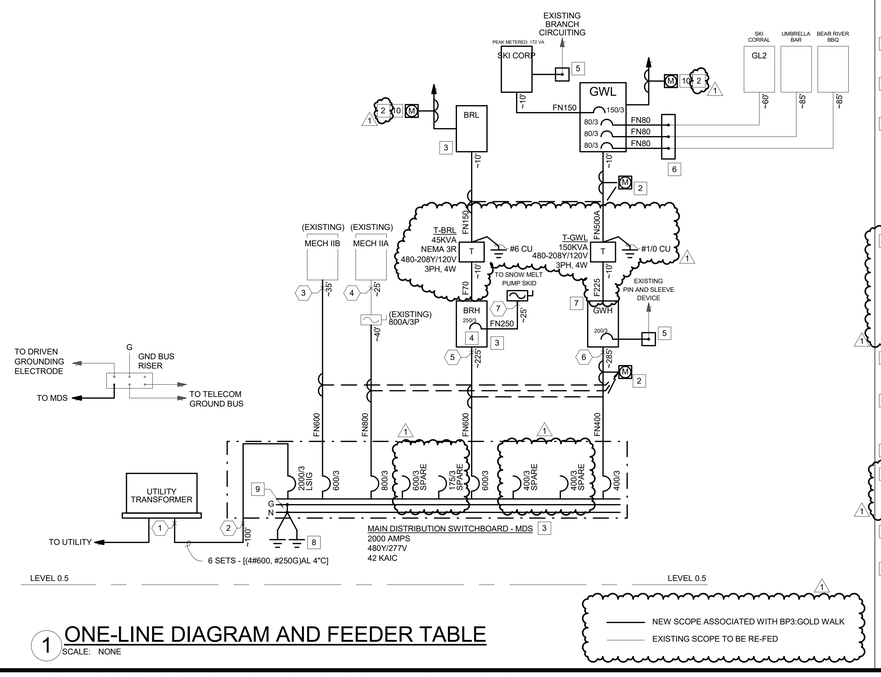
2 OVERALL GOLD WALK REFERENCE PLAN
SCALE: 1/16" = 1'-0"

SHORT CIRCUIT STUDY	
ALL EQUIPMENT MUST BE FULLY RATED FOR SHORT CIRCUIT / FAULT VALUES SHOWN BELOW. SERIES RATING NOT PERMITTED.	
KEY	AVAILABLE AMPS
1	23,100
2	21,588
3	19,290
4	19,381
5	14,045
6	10,520
7	12,845
8	NOT USED
9	NOT USED
TRANSFORMERS (150KVA OR LESS)	
BASED ON INFINITE IMPEDENCE ON THE PRIMARY. THE AVAILABLE FAULT CURRENTS ON THE SECONDARY OF A TRANSFORMER IS AS FOLLOWS	
15KVA	1343
30KVA	1665
45KVA	3903
75KVA	7330
112.5KVA	9184
150KVA	13787

ME FEEDER TABLE

			COPPER	ALUMINUM			COPPER	ALUMINUM
BKR/OCPD	TAG	SETS	FEEDER/PIPE [3W]	FEEDER/PIPE [3W]	TAG	SETS	FEEDER/PIPE [4W]	FEEDER/PIPE [4W]
20	F20	1	(3#12,#12G) 3/4"C	-	FN20	1	(4#12,#12G) 3/4"C	-
30	F30	1	(3#10,#10G) 3/4"C	-	FN30	1	(4#10,#10G) 3/4"C	-
40	F40	1	(3#8,#10G) 3/4"C	-	FN40	1	(4#8,#10G) 3/4"C	-
50	F50	1	(3#8,#10G) 3/4"C	-	FN50	1	(4#8,#10G) 3/4"C	-
50	-	-	-	-	FN50A	1	(4#8,#8G) 1"C	-
50				-	FD50A	1	(5#8,#8G) 1"C	-
60	F60	1	(3#6,#8G) 1"C	-	FN60	1	(4#6,#8G) 1"C	-
70	F70	1	(3#4,#8G) 1-1/4"C	-	FN70	1	(4#4,#8G) 1-1/4"C	-
80	F80	1	(3#4,#8G) 1-1/4"C	-	FN80	1	(4#4,#8G) 1-1/4"C	-
90	F90	1	(3#3,#8G) 1-1/4"C	-	FN90	1	(4#3,#8G) 1-1/4"C	-
100	F100	1	(3#3,#8G) 1-1/4"C	-	FN100	1	(4#3,#8G) 1-1/2"C	-
100	-	-	-	-	FN100A	1	(4#3,#6G) 1-1/2"C	-
100	-	-	-	-	FD100A	1	(5#3,#6G) 1-1/2"C	-
110	F110	1	(3#2,#6G) 1-1/2"C	-	-	-	-	-
125	F125	1	(3#1,#6G) 1-1/2"C	-	FN125	1	(4#1,#6G) 2"C	-
150	F150	1	(3#1/0,#6G) 1-1/2"C	-	FN150	1	(4#1/0,#6G) 2"C	-
175	F175	1	(3#2/0,#6G) 2"C	-	FN175	1	(4#2/0,#6G) 2"C	-
200	F200	1	(3#3/0,#6G) 2"C	(3#250,#6G) 2-1/2"C	FN200	1	(4#3/0,#6G) 2-1/2"C	(4#250,#6G) 2-1/2"C
225	F225	1	(3#4/0,#4G) 2-1/2"C	(3#300,#4G) 2-1/2"C	FN225	1	(4#4/0,#4G) 2-1/2"C	(4#300,#4G) 2-1/2"C
250	F250	1	(3#250,#4G) 2-1/2"C	(3#350,#4G) 2-1/2"C	FN250	1	(4#250,#4G) 3"C	(4#350,#4G) 3"C
250	-	-	-	-	FN250A	1	(4#250,#2G) 3"C	(4#350,#2G) 3"C
250	-	-	-	-	FD250A	1	(5#250,#2G) 3"C	(5#350,#2G) 3"C
300	F300	1	(3#350,#4G) 3"C	(3#500,#4G) 3"C	FN300	1	(4#350,#4G) 3"C	(4#500,#4G) 3"C
350	F350	1	(3#500,#3G) 3"C	(3#700,#3G) 3-1/2"C	FN350	1	(4#500,#3G) 3-1/2"C	(4#700,#3G) 3-1/2"C
400	F400	2	(3#3/0,#3G) 2"C	(3#250,#2G) 2-1/2"C	FN400	2	(4#3/0,#3G) 2-1/2"C	(4#250,#3G) 2-1/2"C
400	-	-	-	-	FN400A	2	(4#3/0,#1/0G) 2-1/2"C	(4#250,#1/0G) 2-1/2"C
400	F400B	1	(3#600,#3G) 4"C	-	FN400B	1	(4#600,#3G) 4"C	-
400	-	-	-	-	FD400A	2	(5#3/0,#1/0G) 2-1/2"C	(5#250,#1/0G) 2-1/2"C
450	F450	2	(3#4/0,#2G) 2-1/2"C	(3#300,#2G) 2-1/2"C	FN450	2	(4#4/0,#2G) 2-1/2"C	(4#300,#2G) 2-1/2"C
500	F500	2	(3#250,#2G) 2-1/2"C	(3#350,#2G) 2-1/2"C	FN500	2	(4#250,#2G) 3"C	(4#350,#2G) 3"C
500	-	-	-	-	FN500A	2	(4#250,#1/0G) 3"C	(4#350,#1/0G) 3"C
500	-	-	-	-	FD500A	2	(5#250,#1/0G) 3"C	(5#350,#1/0G) 3"C
600	F600	2	(3#350,#1G) 3"C	(3#500,#1G) 3"C	FN600	2	(4#350,#1G) 3"C	(4#500,#1G) 3"C
700	F700	2	(3#500,#1/0G) 3"C	(3#700,#1/0G) 3-1/2"C	FN700	2	(4#500,#1/0G) 3-1/2"C	(4#700,#1/0G) 3-1/2"C
750	F750	2	(3#500,#1/0G) 3"C	(3#700,#1/0G) 3-1/2"C	-	-	-	-
800	F800	3	(3#300,#1/0G) 3"C	(3#400,#1/0G) 3"C	FN800	3	(4#300,#1/0G) 3"C	(4#400,#1/0G) 3"C
800	-	-	-	-	FN800A	3	(4#300,#2/0G) 3"C	(4#400,#2/0G) 3"C
800	F800B	2	(3#600,#1/0G) 3-1/2"C	-	FN800B	2	(4#600,#1/0G) 4"C	-
800	-	-	-	-	FD800A	3	(5#300,#2/0G) 3"C	(5#400,#2/0G) 3"C

NOTES:
- ALL CONDUCTORS ARE WITH THHN/THWN WIRE WITH 75DEG TERMINATIONS.
- ALL ALUMINUM FEEDERS SHALL INCLUDE COPPER EQUIPMENT GROUND CONDUCTORS.
- ALL ALUMINUM FEEDERS TO UTILIZE COMPRESSION TERMINATIONS.
- ALL FEEDERS AND BRANCH CIRCUITS TO MECHANICAL AND VIBRATING EQUIPMENT SHALL BE COPPER CONDUCTORS
- ALL EMERGENCY FEEDERS TO BE COPPER CONDUCTORS.
- FEEDERS STARTING WITH "FD" CONTAIN DOUBLE NEUTRAL.



1 ONE-LINE DIAGRAM AND FEEDER TABLE
SCALE: NONE

1 ONE-LINES, FEEDER TABLE AND LOAD SUMMARY - GOLD WALK
SCALE: 1/8" = 1'-0"

Steamboat
ALTERRA MOUNTAIN COMPANY east west partners
2305 Mount Werner Circle
Steamboat Springs, CO 80487

Gensler
1225 17th Street
Suite 150
Denver, CO 80202
United States
Tel 303.595.8585
Fax 303.825.6823

LANDMARK CONSULTANTS, INC.
141 9th Street
PO Box 774943
Steamboat Springs, CO
80477
Tel 970.871.9494

DESIGNWORKSHOP
1390 Lawrence Street
Suite 100
Denver, CO 80204
Tel 303.623.5186

MARTIN/MARTIN CONSULTING ENGINEERS
12499 West Colfax Ave.
Lakewood, CO 80215
United States
Tel 303.431.6100

me engineers
14143 Denver West Pkwy
Suite 300
Golden, CO
United States
Tel 303.421.6655

△	Date	Description
	2021.05.19	BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
1	2021.06.25	BP3: GOLDWALK - BULLETIN 2

Seal / Signature

COLORADO LICENSED
52253
ELECTRICAL ENGINEER
JOHN D. GRIFFIN
Griffin Steele
06/25/2021

Project Name
SSRC | BASE AREA IMPROVEMENTS

Project Number
003.7835.000

Description
GOLD WALK - ELECTRICAL
ONE-LINES AND LOAD SUMMARIES

Scale
As indicated

1B-E0.001

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Steamboat Base Village Redevelopment — ME Engineers Inc.

480/277 Wye
3 Phase, 4 Wire + Gnd. 60Hz.
SCCR:

BUS: 600 A
MAINS: 600 A - MCB
GROUND BAR: Copper

OPTIONS:
FEED THROUGH LUGS
PROVIDE SHUNT MAIN BREAKER TIED TO EPO.

NOTES:

PANEL: BRH
ENCLOSURE: Type 1
MOUNTING: Surface
FED FROM: MDS
LEVEL: PLAZA - LEVEL 01
LOCATION: GONDOLA SQ GARAGE NORTH 75
ISSUE DATE:

REFER TO DETAILS AND SPECIFICATION SECTION FOR PANELBOARD LAMINATED PLAQUE REQUIREMENTS.

N	LC	DESCRIPTION	P	OCP	CKT	A	B	C	CKT	OCP	P	DESCRIPTION	LC	N
	M	HWP 1B.01	3	20	1	2217 3048			2	20	3	HWP 1B.09	M	
--	--	--	--	--	3		2217 3048		4	--	--	--	--	--
--	--	--	--	--	5			2217 3048	6	--	--	--	--	--
	M	HWP 1B.02	3	20	7	2217 3880			8	20	3	HWP 1B.10	M	
--	--	--	--	--	9		2217 3880		10	--	--	--	--	--
--	--	--	--	--	11			2217 3880	12	--	--	--	--	--
	M	HWP 1B.03	3	20	13	2217 3880			14	20	3	HWP 1B.11	M	
--	--	--	--	--	15		2217 3880		16	--	--	--	--	--
--	--	--	--	--	17			2217 3880	18	--	--	--	--	--
	M	HWP 1B.04	3	20	19	2217 3880			20	20	3	HWP 1B.12	M	
--	--	--	--	--	21		2217 3880		22	--	--	--	--	--
--	--	--	--	--	23			2217 3880	24	--	--	--	--	--
	M	HWP 1B.05	3	20	25	2217 0			26	20	3	SPARE		--
--	--	--	--	--	27		2217 0		28	--	--	--		--
	--	--			29			2217 0	30	--	--	--		--
	--	SPARE	3	20	31	0 0			32	20	3	SPARE		--
--	--	--	--	--	33		0 0		34	--	--	--		--
--	--	--	--	--	35			0 0	36	--	--	--		--
	--	SPARE	3	20	37	0 0			38	30	3	SPARE		--
--	--	--	--	--	39		0 0		40	--	--	--		--
--	--	--	--	--	41			0 0	42	--	--	--		--
	--	HWP 1B.08			43	3048 0			44	30	3	SPARE		--
--	--	--	--	--	45		3048 0		46	--	--	--		--
--	--	--	--	--	47			3048 0	48	--	--	--		--
	--	SPARE	3	20	49	0 0			50	30	3	SPARE		--
--	--	--	--	--	51		0 0		52	--	--	--		--
--	--	--	--	--	53			0 0	54	--	--	--		--
	--	SPARE	3	20	55	0 9904			56	70	3	T-BRL	L	
--	--	--	--	--	57		0 8756		58	--	--	--	--	--
--	--	--	--	--	59			0 6868	60	--	--	--	--	--

PER PHASE VA WITH DOWNSTREAM LOADS

PHASE	A	B	C	TOTALS
CALC	108882	107581	105441	321904
CNNCTD	96087	94939	93051	284077

DOWNSTREAM FEED THROUGH LUG PANELS

CONDUCTOR COLORS (EC TO LABEL IN PANEL)

	208Y/120	480Y/277
A	BLACK	BROWN
B	RED	ORANGE
C	BLUE	YELLOW
N	WHITE	WHITE/GRAY STRIPE
G	GREEN	GREEN

LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED

CATEGORY	CONNECTED	FACTOR	CALC. V-A	AMPS @ 480/277 Wye
LIGHTING	378	100%	378	0
RECEPTACLE	1080	100%	1080	1
MOTOR	260084	115%	297911	358
MISCELLANEOUS	1750	100%	1750	2
KITCHEN				
ELECTRIC HEAT	20785	100%	20785	25
EV CHARGING				
EXISTING				
TOTAL	284077		321904	387

Steamboat Base Village Redevelopment — ME Engineers Inc.

480/277 Wye
3 Phase, 4 Wire + Gnd. 60Hz.
SCCR:

BUS: 600 A
MAINS: MLO
GROUND BAR: Copper

OPTIONS:

NOTES:

PANEL: BRH
ENCLOSURE: Type 1
MOUNTING: Surface
FED FROM: BRH
LEVEL: PLAZA - LEVEL 01
LOCATION: GONDOLA SQ GARAGE NORTH 75
ISSUE DATE:

REFER TO DETAILS AND SPECIFICATION SECTION FOR PANELBOARD LAMINATED PLAQUE REQUIREMENTS.

N	LC	DESCRIPTION	P	OCP	CKT	A	B	C	CKT	OCP	P	DESCRIPTION	LC	N
	E	B 1B.03	3	20	61	1386 50436			62	250	3	SNOWMELT PUMP SYSTEM	M	
--	--	--	--	--	63		1386 50436		64	--	--	--	--	--
--	--	--	--	--	65			1386 50436	66	--	--	--	--	--
	E	B 1B.04	3	20	67	1386 0			68	20	3	SPARE		--
--	--	--	--	--	69		1386 0		70	--	--	--		--
--	--	--	--	--	71			1386 0	72	--	--	--		--
	E	B 1B.05	3	20	73	1386 0			74	20	3	SPARE		--
--	--	--	--	--	75		1386 0		76	--	--	--		--
--	--	--	--	--	77			1386 0	78	--	--	--		--
	E	B 1B.01	3	20	79	1386 0			80	30	3	SPARE		--
--	--	--	--	--	81		1386 0		82	--	--	--		--
--	--	--	--	--	83			1386 0	84	--	--	--		--
	E	B 1B.02	3	20	85	1386 0			86	30	3	SPARE		--
--	--	--	--	--	87		1386 0		88	--	--	--		--
--	--	--	--	--	89			1386 0	90	--	--	--		--
	--	SPARE	3	20	91	0 0			92	60	3	SPARE		--
--	--	--	--	--	93		0 0		94	--	--	--		--
--	--	--	--	--	95			0 0	96	--	--	--		--
	--	SPARE	3	20	97	0 0			98	60	3	SPARE		--
--	--	--	--	--	99		0 0		100	--	--	--		--
--	--	--	--	--	101			0 0	102	--	--	--		--
	--	SPARE			103	0 --			104	--	1	SPACE		--
--	--	SPARE	1	20	105		0 --		106	--	1	SPACE		--
--	--	SPARE	1	20	107			0 --	108	--	1	SPACE		--
--	--	SPARE	1	20	109	0 --			110	--	1	SPACE		--
--	--	SPARE	1	20	111		0 --		112	--	1	SPACE		--
--	--	SPARE	1	20	113			0 --	114	--	1	SPACE		--
--	--	SPARE	1	20	115	0 --			116	--	1	SPACE		--
--	--	SPARE	1	20	117		0 --		118	--	1	SPACE		--
--	--	SPARE	1	20	119			0 --	120	--	1	SPACE		--

PER PHASE VA WITH DOWNSTREAM LOADS

PHASE	A	B	C	TOTALS
CALC	69973	69973	69973	209919
CNNCTD	57364	57364	57364	172092

DOWNSTREAM FEED THROUGH LUG PANELS

CONDUCTOR COLORS (EC TO LABEL IN PANEL)

	208Y/120	480Y/277
A	BLACK	BROWN
B	RED	ORANGE
C	BLUE	YELLOW
N	WHITE	WHITE/GRAY STRIPE
G	GREEN	GREEN

LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED

CATEGORY	CONNECTED	FACTOR	CALC. V-A	AMPS @ 480/277 Wye
LIGHTING				
RECEPTACLE				
MOTOR	151307	125%	189134	227
MISCELLANEOUS				
KITCHEN				
ELECTRIC HEAT	20785	100%	20785	25
EV CHARGING				
EXISTING				
TOTAL	172092		209919	252

Steamboat Base Village Redevelopment — ME Engineers Inc.

120/208 Wye
3 Phase, 4 Wire + Gnd. 60Hz.
SCCR:

BUS: 150 A
MAINS: 150 A - MCB
GROUND BAR: Copper

OPTIONS:

NOTES:

PANEL: BRL
ENCLOSURE: Type 1
MOUNTING: Surface
FED FROM: T-BRL (ABOVE)
LEVEL: PLAZA - LEVEL 01
LOCATION: GONDOLA SQ GARAGE NORTH 75
ISSUE DATE:

REFER TO DETAILS AND SPECIFICATION SECTION FOR PANELBOARD LAMINATED PLAQUE REQUIREMENTS.

N	LC	DESCRIPTION	P	OCP	CKT	A	B	C	CKT	OCP	P	DESCRIPTION	LC	N
	R	BOILER ROOM GEN RECEPTS	1	20	1	540 2496			2	30	2	CU-1B.01/SSAC-1B.01	M	
	R	BOILER ROOM GEN RECEPTS	1	20	3		540 2496		4	--	--	--	--	--
	X	MISC. BOILER ROOM CONTROLS	1	20	5			350 2496	6	30	2	CU-1B.02/SSAC1B.02	M	
	X	MISC. BOILER ROOM CONTROLS	1	20	7	350 2496			8	--	--	--	--	--
	X	MISC. BOILER ROOM CONTROLS	1	20	9		350 2496		10	30	2	CU-1B.03/SSAC1B.03	M	
	X	MISC. SNOW MELT CONTROLS	1	20	11			350 2496	12	--	--	--	--	--
	X	MISC. SNOW MELT CONTROLS	1	20	13	350 2496			14	30	2	CU-1B.04/SSAC1B.04	M	
	R	BOILER ROOM LIGHTING	1	20	15		378 2496		16	--	--	--	--	--
	M	GLYCOL FEEDER (SNOWMELT)	1	20	17			1176 0	18	20	1	SPARE		--
	--	GP 1B.01	1	20	19	1176 0			20	20	1	SPARE		--
	--	SPARE	1	20	21		0 0		22	20	1	SPARE		--
	--	SPARE	1	20	23			0 0	24	20	1	SPARE		--
	--	SPARE	1	20	25	0 0			26	20	1	SPARE		--
	--	SPARE	1	20	27		0 0		28	20	1	SPARE		--
	--	SPARE	1	20	29			0 0	30	20	1	SPARE		--
	--	SPACE	1	--	31	-- --			32	--	1	SPACE		--
	--	SPACE	1	--	33		-- --		34	--	1	SPACE		--
	--	SPACE	1	--	35			-- --	36	--	1	SPACE		--
	--	SPACE	1	--	37	-- --			38	--	1	SPACE		--
	--	SPACE	1	--	39		-- --		40	--	1	SPACE		--
	--	SPACE	1	--	41			-- --	42	--	1	SPACE		--

PER PHASE VA WITH DOWNSTREAM LOADS

PHASE	A	B	C	TOTALS
CALC	10388	9184	7204	26776
CNNCTD	9904	8756	6868	25528

DOWNSTREAM FEED THROUGH LUG PANELS

CONDUCTOR COLORS (EC TO LABEL IN PANEL)

	208Y/120	480Y/277
A	BLACK	BROWN
B	RED	ORANGE
C	BLUE	YELLOW
N	WHITE	WHITE/GRAY STRIPE
G	GREEN	GREEN

LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED

CATEGORY	CONNECTED	FACTOR	CALC. V-A	AMPS @ 120/208 Wye
LIGHTING	378	100%	378	1
RECEPTACLE	1080	100%	1080	3
MOTOR	22320	106%	23568	65
MISCELLANEOUS	1750	100%	1750	5
KITCHEN				
ELECTRIC HEAT				
EV CHARGING				
EXISTING				
TOTAL	25528		26776	74

Steamboat Base Village Redevelopment — ME Engineers Inc.

480/277 Wye
3 Phase, 4 Wire + Gnd. 60Hz.
SCCR:

BUS: 400 A
MAINS: 400 A - MCB
GROUND BAR: Copper

OPTIONS:

NOTES:
1. PROVIDE GFPE TYPE BREAKER

PANEL: GWH
ENCLOSURE: Type 1
MOUNTING: Surface
FED FROM: MDS
LEVEL: PLAZA - LEVEL 01
LOCATION: ELECTRICAL 14
ISSUE DATE:

REFER TO DETAILS AND SPECIFICATION SECTION FOR PANELBOARD LAMINATED PLAQUE REQUIREMENTS.

N	LC	DESCRIPTION	P	OCP	CKT	A	B	C	CKT	OCP	P	DESCRIPTION	LC	N
	M	ESCALATOR #1	3	30	1	4157 1161			2	20	1	GOLD WALK SITE LIGHTING (ZONES G.S.2 - G.S.5)	L	R
--	--	--	--	--	3		4157 724		4	20	1	STAIR AND ESCALATOR LIGHTING		--
--	--	--	--	--	5			4157 1920	6	20	1	ESCALATOR CANOPY HEAT TRACE	X	1
	M	ESCALATOR #2	3	30	7	4157 0			8	20	1	SPARE		--
--	--	--	--	--	9		4157 0		10	20	1	SPARE		--
--	--	--	--	--	11			4157 0	12	20	1	SPARE		--
	--	SPARE	1	20	13	0 0			14	20	1	SPARE		--
	--	SPARE	1	20	15		0 0		16	20	1	SPARE		--
	--	SPARE	1	20	17			0 0	18	20	1	SPARE		--
1	M	ESP-1	3	20	19	942 0			20	20	1	SPARE		--
--	--	--	--	--	21		942 0		22	20	1	SPARE		--
--	--	--	--	--	23			942 0	24	20	1	SPARE		--
	--	SPARE	1	20	25	0 0			26	20	1	SPARE		--
	--	SPARE	1	20	27		0 0		28	20	1	SPARE		--
	--	SPARE	1	20	29			0 0	30	20	1	SPARE		--
	--	SPARE	1	20	31	0 0			32	20	1	SPARE		--
	--	SPARE	1	20	33		0 0		34	20	1	SPARE		--
	--	SPARE	1	20	35			0 0	36	20	1	SPARE		--
	--	SPARE	1	20	37	0 34970			38	225	3	T-GWL	L	
	--	SPARE	1	20	39		0 36940		40	--	--	--	--	--
	--	SPARE	1	20	41			0 35944	42	--	--	--	--	--

PER PHASE VA WITH DOWNSTREAM LOADS

PHASE	A	B	C	TOTALS
CALC	50244	51941	52162	154346
CNNCTD	45386	46919	47119	139425

DOWNSTREAM FEED THROUGH LUG PANELS

CONDUCTOR COLORS (EC TO LABEL IN PANEL)

	208Y/120	480Y/277
A	BLACK	BROWN
B	RED	ORANGE
C	BLUE	YELLOW
N	WHITE	WHITE/GRAY STRIPE
G	GREEN	GREEN

LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED

CATEGORY	CONNECTED	FACTOR	CALC. V-A	AMPS @ 480/277 Wye
LIGHTING	7286	100%	7286	9
RECEPTACLE	14080	86%	12040	14
MOTOR	44447	107%	47565	57
MISCELLANEOUS	1920	100%	1920	2
KITCHEN				
ELECTRIC HEAT	16320	100%	16320	20
EV CHARGING				
EXISTING	55372	125%	69215	83
TOTAL	139425		154346	186

Steamboat Base Village Redevelopment — ME Engineers Inc.

120/208 Wye
3 Phase, 4 Wire + Gnd. 60Hz.
SCCR:

BUS: 600 A
MAINS: 600 A - MCB
GROUND BAR: Copper

OPTIONS:

NOTES:
1. PROVIDE GFCI TYPE CIRCUIT BREAKER.

PANEL: GWL
ENCLOSURE: Type 1
MOUNTING: Surface
FED FROM: T-GWL
LEVEL: PLAZA - LEVEL 01
LOCATION: ELECTRICAL 14
ISSUE DATE:

REFER TO DETAILS AND SPECIFICATION SECTION FOR PANELBOARD LAMINATED PLAQUE REQUIREMENTS.

N	LC	DESCRIPTION	P	OCP	CKT	A	B	C	CKT	OCP	P	DESCRIPTION	LC	N
	M	UH 2 VESTIBULE 103	1	20	1	120 0			2	20	1	UH 3 STORAGE 106	M	
	M	UH 2 STAIR ACCESS	1	20	3		120 0		4	20	1	SPARE		--
	--	SPARE	1	20	5			0 900	6	20	1	ELECMECH ROOM GEN RECEPTS		--
	L	STORAGE RM GEN RECEPTS	1	20	7	900 2000			8	20	1	RECEPTACLE #2 SKIRT LIGHTING	L	
R	L	STORAGE RM GEN RECEPTS	1	20	9		720 1920		10	20	1	ESCALATOR #2 HEATING FAN		R
	L	SITE LTG - F9 - FESTOON LIGHTS - ZONE G.S.3	1	20	11			540 1200	12	20	1	ESCALATOR #2 COMBPLATE LIGHTING (TOP)	E	
	L	ESCALATOR #1 SKIRT LIGHTING	1	20	13	2000 1200			14	20	1	ESCALATOR #2 COMBPLATE LIGHTING (BOT)	E	
	M	ESCALATOR #1 STEP BAND HEATING	1	20	15		1920 2880		16	20	2	ESCALATOR #2 STEP BAND HEATING	E	
	E	ESCALATOR #1 COMBPLATE LIGHTING (TOP)	1	20	17			1200 2880	18	30	1	ESCALATOR #2 STEP BAND HEATING	E	
	E	ESCALATOR #1 COMBPLATE LIGHTING (BOT)	1	20	19	1200 2496			20	30	2	CU-1B.05/SSAC1B.05	M	
	E	ESCALATOR #1 STEP BAND HEATING	1	20	21		2880 2496		22	30	2			
	E	ESCALATOR #1 STEP BAND HEATING	1	30	23			2880 2496	24	30	2	CU-1B.06/SSAC1B.06	M	
	L	STORAGE 101 LIGHTING	1	20	25	378 2496			26	--	--	--	--	--
	L	MEP ROOMS & STAIR PIT LIGHTING	1	20	27		336 1248		28	20	2	CU-1B.07/SSAC1B.07	M	
	L	SIGNAGE ELEMENT NEAR TOP OF STAIR	1	20	29			180 1248	30	--	--	--	--	--
	M	UH 2 VESTIBULE 103	1	20	31	120 0			32	20	1	SPARE		--
	R	GOLD WALK PEDESTAL (SPECIALTY)	1	50	33		3602 0		34	20	1	SPARE		--
--	--	--	--	--	35			3602 0	36	20	1	SPARE		--
--	--	--	--	--	37	3602 6024			38	80	3	(EX) BEAR RIVER BBQ	EX	
	R	GOLD WALK PEDESTAL (QUAD)	1	20	39		360 6024		40	--	--	--	--	--
	R	GOLD WALK PEDESTAL (QUAD)	1	20	41			360 6024	42	--	--	--	--	--
	--	SPARE	1	20	43	0 5585			44	80	3	(EX) UMBRELLA BAR	EX	
	--	SPARE	1	20	45		0 5585		46	--	--	--	--	--
	--	SPARE	1	20	47			0 5585	48	--	--	--	--	--
	--	SPARE	3	30	49	0 6424			50	80	3	(EX) GL2 PANEL	EX	
--	--	--	--	--	51		0 6424		52	--	--	--	--	--
--	--	--	--	--	53			0 6424	54	--	--	--	--	--
	--	SPARE	3	70	55	0 425			56	150	3	SKI CORP	EX	
--	--	--	--	--	57		0 425		58	--	--	--	--	--
--	--	--	--	--	59			0 425	60	--	--	--	--	--

PER PHASE VA WITH DOWNSTREAM LOADS

PHASE	A	B	C	TOTALS
CALC	39207	41415	40299	120921
CNNCTD	34970	36940	35944	107853

DOWNSTREAM FEED THROUGH LUG PANELS

CONDUCTOR COLORS (EC TO LABEL IN PANEL)

	208Y/120	480Y/277
A	BLACK	BROWN
B	RED	ORANGE
C	BLUE	YELLOW
N	WHITE	WHITE/GRAY STRIPE
G	GREEN	GREEN

LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED

CATEGORY	CONNECTED	FACTOR	CALC. V-A	AMPS @ 120/208 Wye
LIGHTING	5434	100%	5434	15
RECEPTACLE	14047	86%	12024	33
MOTOR	16680	107%	17928	50
MISCELLANEOUS				
KITCHEN				
ELECTRIC HEAT	16320	100%	16320	45
EV CHARGING				
EXISTING	55372	125%	69215	192
TOTAL	107853		120921	336

Steamboat Base Village Redevelopment — ME Engineers Inc.

120/208 Wye
3 Phase, 4 Wire + Gnd. 60Hz.
SCCR:

BUS: 100 A
MAINS: MLO
GROUND BAR: Copper

OPTIONS:

NOTES:
1. PROVIDE NEW CIRCUIT BREAKER IN NEW PANEL TO SERVICE EXISTING LOAD. BREAKER TO MATCH THE EXISTING BREAKER IN KIND IN THE EXISTING PANEL.

PANEL: SKI CORP
ENCLOSURE: Type 1
MOUNTING: Surface
FED FROM: GWL
LEVEL: PLAZA - LEVEL 01
LOCATION: ELECTRICAL 14
ISSUE DATE:

REFER TO DETAILS AND SPECIFICATION SECTION FOR PANELBOARD LAMINATED PLAQUE REQUIREMENTS.

N	LC	DESCRIPTION	P	OCP	CKT	A	B	C	CKT	OCP	P	DESCRIPTION	LC	N
1	EX	(EX) INFO TURTLE	2	20	1	0 0			2	20	2	(EX) BEAR STAIRS TURTLE	EX	1
--	--	--	--	--	3		0 0		4	--	--	--	--	--
	EX	(EX) GFI	1	20	5			0 0	6	20	1	(EX) GFI	EX	1
1	EX	(EX) GFI	1	20	7	0 0			8	20	1	(EX) GFI	EX	1
	EX	(EX) TURTLE STARS	2	20	9		0 0		10	20	2	(EX) LGB TURTLE	EX	1
--	--	--	--	--	11			0 0	12	--	--	--	--	--
	EX	(EX) GFI	1	20	13	0 0			14	20	1	(EX) GFI	EX	1
	EX	(EX) GFI	1	20	15		0 0		16	20	1	(EX) GFI	EX	1
1	EX	(EX) TURTLE STARS	2	20	17			0 0	18	20	2	(EX) BILLY TURTLE	EX	
--	--	--	--	--	19	0 0			20	--	--	--	--	--
1	EX	(EX) GFI	1	20	21		0 0		22	20	1	(EX) GFI	EX	1
	EX	(EX) GFI	1	20	23			0 0	24	20	1	(EX) GFI	EX	1
	EX	(EX) BULL	1	20	25	0 0			26	20	1	(EX) GFI	EX	1
	EX	(EX) TURTLE RECEPT.	2	20	27		0 0		28	20	1	SPARE		--
--	--	--	--	--	29			0 0	30	20	1	SPARE		--
	--	SPARE	1	20	31	0 0			32	20	1	SPARE		--
	--	SPARE	1	20	33		0 0		34	20	1	SPARE		--
	--	SPARE	1	20	35			0 0	36	20	1	SPARE		--
	--	SPARE	1	20	37	0 425			38	20	3	ME-EXISTING METERED LOAD	EX	
	--	SPARE	1	20	39		0 425		40	--	--	--	--	--
	--	SPARE	1	20	41			0 425	42	--	--	--	--	--

PER PHASE VA WITH DOWNSTREAM LOADS

PHASE	A	B	C	TOTALS
CALC	531	531	531	1594
CNNCTD	425	425	425	1275

DOWNSTREAM FEED THROUGH LUG PANELS

CONDUCTOR COLORS (EC TO LABEL IN PANEL)

	208Y/120	480Y/277
A	BLACK	BROWN
B	RED	ORANGE
C	BLUE	YELLOW
N	WHITE	WHITE/GRAY STRIPE
G	GREEN	GREEN

LOAD SUMMARY WITH DOWNSTREAM LOADS INCLUDED

CATEGORY	CONNECTED	FACTOR	CALC. V-A	AMPS @ 120/208 Wye
LIGHTING				
RECEPTACLE				
MOTOR				
MISCELLANEOUS				
KITCHEN				
ELECTRIC HEAT				
EV CHARGING				
EXISTING	1275	125%	1594	4
TOTAL	1275		1594	4

NOTE:
1. LOAD INDICATED ABOVE AS ZERO LOAD IS EXISTING LOAD TO BE RECIRCUITED TO NEW PANEL IN NEW LOCATION.
2. THIS PANEL WAS METERED BY THE CONSTRUCTION TEAM FOR 30 DAYS FROM 3/18/21 THROUGH 4/23/21. THE EXISTING LOAD ABOVE WAS THE PEAK DEMAND LOAD OBTAINED DURING THIS TIME UNDER NORMAL BUILDING OCCUPANCY AND OPERATION.

NOTE:
1. EXISTING PANELS BEING REFED FROM THIS NEW PANEL HAVE BEEN METERED BY THE CONSTRUCTION TEAM FOR 30 DAYS FROM 3/18/21 THROUGH 4/23/21. THE EXISTING LOADS ABOVE WERE THE PEAK DEMAND VALUES OBTAINED DURING THIS TIME UNDER NORMAL BUILDING OCCUPANCY AND OPERATION.

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United States
Tel 303.421.6655

Date	Description
2021.05.19	BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
1 2021.06.25	BP3: GOLDWALK - BULLETIN 2

Seal / Signature

COLORADO LICENSED
MATTHEW JOHN SEIDEL
52253
PROFESSIONAL ENGINEER
06/25/2021

Project Name
SSRC | BASE AREA IMPROVEMENTS

Project Number
003.7835.000

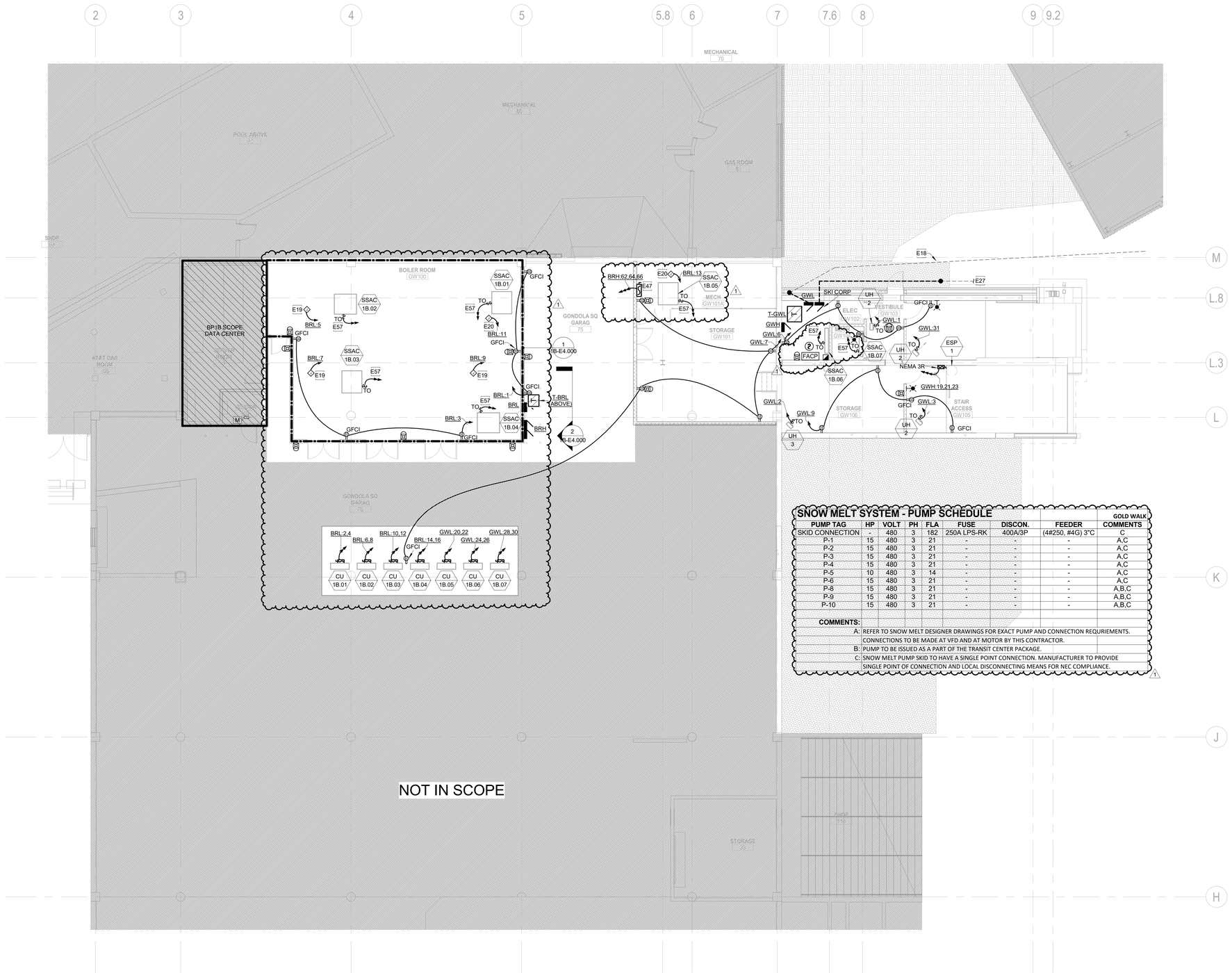
Description
GOLD WALK - ELECTRICAL PANEL SCHEDULES

Scale

1B-E0.003

BRH | BRH | BRL
GWH | GWL | SKI CORP

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SNOW MELT SYSTEM - PUMP SCHEDULE

PUMP TAG	HP	VOLT	PH	FLA	FUSE	DISCON.	FEEDER	GOLD WALK COMMENTS
SKID CONNECTION	-	480	3	182	250A LPS-RK	400A/3P	(4#250, #4G) 3"C	C
P-1	15	480	3	21	-	-	-	A,C
P-2	15	480	3	21	-	-	-	A,C
P-3	15	480	3	21	-	-	-	A,C
P-4	15	480	3	21	-	-	-	A,C
P-5	10	480	3	14	-	-	-	A,C
P-6	15	480	3	21	-	-	-	A,C
P-8	15	480	3	21	-	-	-	A,B,C
P-9	15	480	3	21	-	-	-	A,B,C
P-10	15	480	3	21	-	-	-	A,B,C

COMMENTS:

A: REFER TO SNOW MELT DESIGNER DRAWINGS FOR EXACT PUMP AND CONNECTION REQURIEMENTS. CONNECTIONS TO BE MADE AT VFD AND AT MOTOR BY THIS CONTRACTOR.

B: PUMP TO BE ISSUED AS A PART OF THE TRANSIT CENTER PACKAGE.

C: SNOW MELT PUMP SKID TO HAVE A SINGLE POINT CONNECTION. MANUFACTURER TO PROVIDE SINGLE POINT OF CONNECTION AND LOCAL DISCONNECTING MEANS FOR NEC COMPLIANCE.

1

GENERAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR.

2. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION AND INSTALLED IN A NEAT AND CONSISTENT MANNER. NO ADDITIONAL COST TO OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO THE LACK OF COORDINATION WITH ARCHITECT.
CONTRACTOR SHALL PROVIDE SHOP DRAWINGS INDICATING ALL PROPOSED EXPOSED CONDUIT ROUTING.

3. ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS NOTED OTHERWISE. ALL VERTICAL SECTIONS OF CONDUIT SHALL BE CONCEALED. CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND BACK BOXES IN CONCRETE, MASONRY AND GYP. WALLS.

4. THIS CONTRACTOR SHALL REFER TO "MEP" SERIES DRAWINGS FOR ALL MECHANICAL EQUIPMENT ELECTRICAL CONNECTIONS.

5. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.

KEYNOTES

E18	EXISTING FEEDS TO PANELS PREVIOUSLY FED FROM EXISTING PANEL GL SHALL BE LOCATED BY THE CONTRACTOR, INTERCEPTED, AND EXTENDED TO THE NEW PANEL LOCATION INDICATED PER PLAN. PANELS THAT LOOK TO NEED POWER FROM THIS SERVICE INCLUDE UMBRELLA BAR, GL2, BBQ PANEL IN EXISTING GL PANEL IN EXISTING BOILER ROOM.
E19	PROVIDE 20A/120V/1P ELECTRICAL CONNECTION FOR MISCELLANEOUS BOILER ROOM MECHANICAL CONTROLS. COORDINATE WITH MECHANICAL CONTRACTOR FOR EXACT CONNECTIONS LOCATIONS AND REQUIREMENTS.
E20	PROVIDE 20A/120V/1P ELECTRICAL CONNECTION FOR MISCELLANEOUS SNOW MELT SYSTEM CONTROLS. COORDINATE WITH MECHANICAL CONTRACTOR AND SNOW MELT DRAWINGS FOR EXACT CONNECTIONS LOCATIONS AND REQUIREMENTS.
E27	INTERCEPT AND EXTEND EXISTING BRANCH CIRCUITS CURRENTLY FED FROM PANEL 'SKI CORP'. EXISTING CIRCUITS SHALL EXTEND AND TERMINATE AT NEW PANEL WITH NEW BREAKER OF SAME NAME AND TYPE
E47	PROVIDE SINGLE POINT ELECTRICAL CONNECTION FOR SNOW MELT PUMP SKID AT SKID PANEL. PROVIDE ADEQUATE WORKING CLEARANCE IN FRONT OF SKID PANEL. REFER TO SNOW MELT PUMP DESIGNER DRAWINGS AND SPECS AS WELL AS MANUFACTURER REQUIREMENTS FOR EXACT CONNECTION REQUIREMENTS.
E57	REFER TO MEP SCHEDULES FOR ASSOCIATED CONDENSING UNIT. CONDENSING UNIT PROVIDES POWER TO SPLIT SYSTEM INDOOR UNIT. EXTEND CIRCUIT AS REQUIRED FROM CONDENSING UNIT TO SPLIT SYSTEM UNIT WITHIN ROOM. COORDINATE EXACT CONNECTION REQUIREMENTS WITH MECHANICAL CONTRACTOR.

1

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△	Date	Description
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1	2021.06.25	BP3: GOLDWALK - BULLETIN 2

Seal / Signature

COLORADO LICENSED
MATTHEW JOHN STOLTE
52253
PROFESSIONAL ENGINEER
06/28/2021

Project Name
SSRC | BASE AREA IMPROVEMENTS

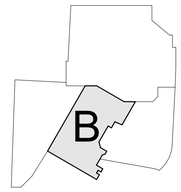
Project Number
003.7835.000

Description
GOLD WALK - ELECTRICAL PLAN - LEVEL 01

Scale
1/8" = 1'-0"

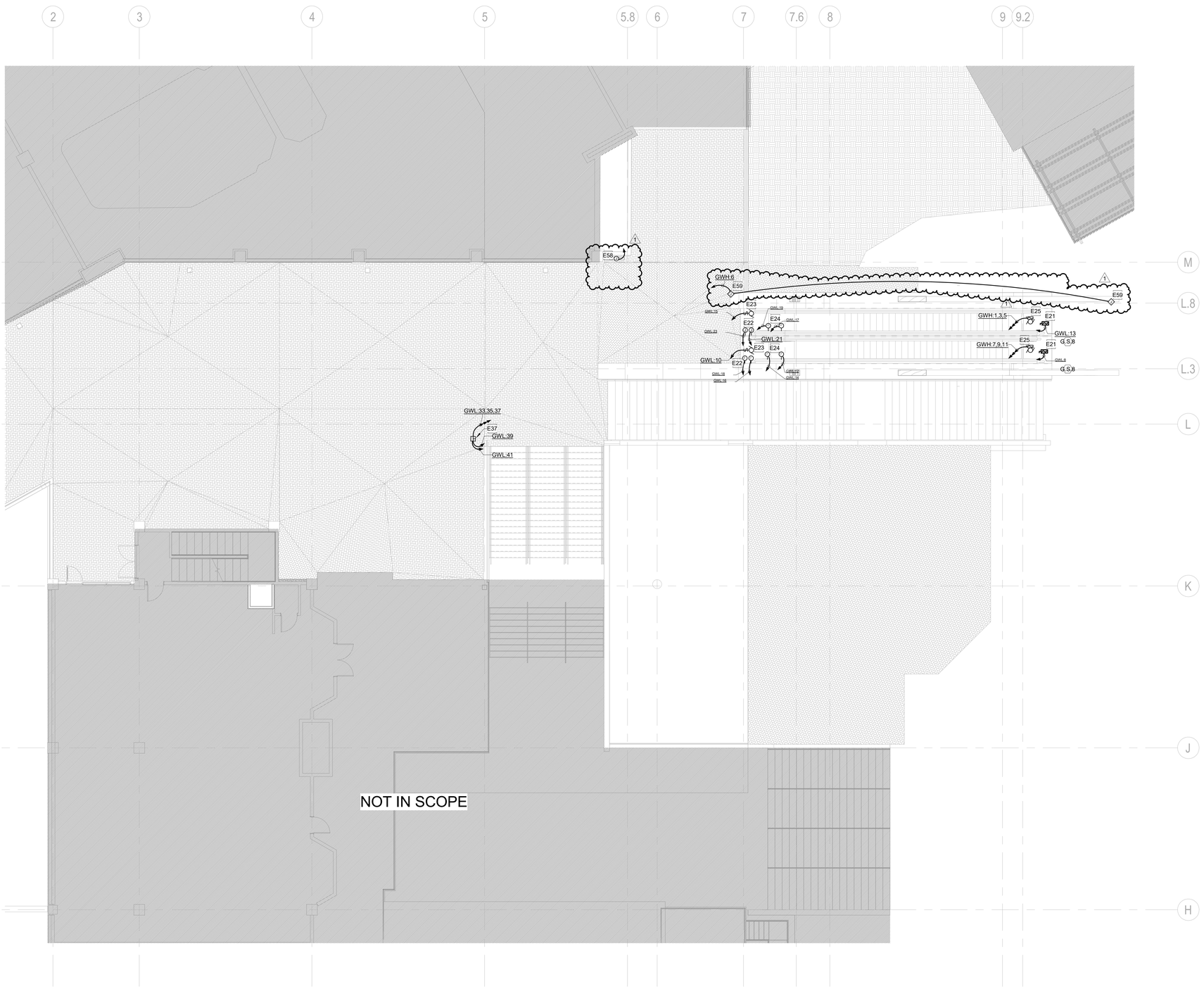
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KEY PLAN



1 ELECTRICAL PLAN - LEVEL 01
SCALE: 1/8" = 1'-0"

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GENERAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR.

2. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION AND INSTALLED IN A NEAT AND CONSISTENT MANNER. NO ADDITIONAL COST TO OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO THE LACK OF COORDINATION WITH ARCHITECT.
CONTRACTOR SHALL PROVIDE SHOP DRAWINGS INDICATING ALL PROPOSED EXPOSED CONDUIT ROUTING.

3. ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS NOTED OTHERWISE. ALL VERTICAL SECTIONS OF CONDUIT SHALL BE CONCEALED. CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND BACK BOXES IN CONCRETE, MASONRY AND GYP. WALLS.

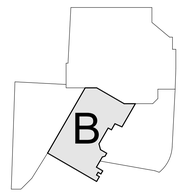
4. THIS CONTRACTOR SHALL REFER TO "MEP" SERIES DRAWINGS FOR ALL MECHANICAL EQUIPMENT ELECTRICAL CONNECTIONS.

5. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.

KEYNOTES

E21	PROVIDE 30A/120V/1P ELECTRICAL CONNECTION FOR ESCALATOR SKIRT LIGHTING. ROUTE CIRCUIT THROUGH LIGHTING CONTROL PANEL FOR ON/OFF CONTROL OF LIGHTING. REFER TO ESCALATOR SHOP DRAWINGS FOR EXACT POINT OF CONNECTION AT ESCALATOR PITS.
E22	PROVIDE (2) 30A/120V/1P ELECTRICAL CONNECTIONS PER ESCALATOR FOR ESCALATOR STEP BAND HEATING. REFER TO ESCALATOR SHOP DRAWINGS FOR EXACT POINT OF CONNECTION AT ESCALATOR PITS.
E23	PROVIDE 20A/120V/1P ELECTRICAL CONNECTION FOR ESCALATOR HEATING FAN. REFER TO ESCALATOR SHOP DRAWINGS FOR EXACT POINT OF CONNECTION AT ESCALATOR PITS.
E24	PROVIDE (2) 20A/120V/1P ELECTRICAL CONNECTIONS PER ESCALATOR FOR COMBPLATE HEATING. REFER TO ESCALATOR SHOP DRAWINGS FOR EXACT POINT OF CONNECTION AT ESCALATOR PITS.
E25	PROVIDE 480V/3P ELECTRICAL CONNECTION FOR ESCALATOR MOTOR. REFER TO ESCALATOR SHOP DRAWINGS FOR EXACT CONNECTION REQUIREMENTS AND LOCATION.
E37	PROVIDE NEMA3R SITE POWER PEDESTAL ENCLOSURE WITH (2) NEMA 5-20R TYPE QUAD RECEPTACLES, (1) CS6369, AND (1) 2-PORT DATA OUTLET. ELECTRICAL DEVICES SHALL HAVE DEDICATED CIRCUITS. REFER TO 12/1B-E8.002 FOR MORE INFORMATION. COORDINATE EXACT LOCATION WITH LANDSCAPE PRIOR TO INSTALLATION.
E58	INTERNALLY ILLUMINATED SHERATON SIGN IS BEING REPLACED. SIGN SHALL BE RE-FED FROM EXISTING BRANCH CIRCUIT AND EXISTING LIGHTING CONTROLS SYSTEM FED FROM THE SHERATON. COORDINATE WITH SHERATON OPERATIONS TEAM FOR EXACT CONNECTION REQUIREMENTS.
E59	PROVIDE 277V/1P ELECTRICAL CONNECTION FOR CANOPY HEAT TRACE. COORDINATE EXACT HEAT TRACE ROUTING WITH ARCHITECT AND MANUFACTURER PRIOR TO INSTALL. EXPOSED CONDUIT ROUTING SHALL BE VERIFIED AND APPROVED BY ARCHITECT PRIOR TO INSTALLATION AND STUB UP THROUGH STONE WALLS.

KEY PLAN



1 ELECTRICAL PLAN - LEVEL 03
SCALE: 1/8" = 1'-0"

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△	Date	Description
	2021.05.19	BP3: GOLDWALK - ISSUE FOR BID AND PERMIT
1	2021.06.25	BP3: GOLDWALK - BULLETIN 2

Seal / Signature

COLORADO LICENSED
MATTHEW JOHN O'BRIEN
52253
06/25/2021

Project Name
SSRC | BASE AREA IMPROVEMENTS

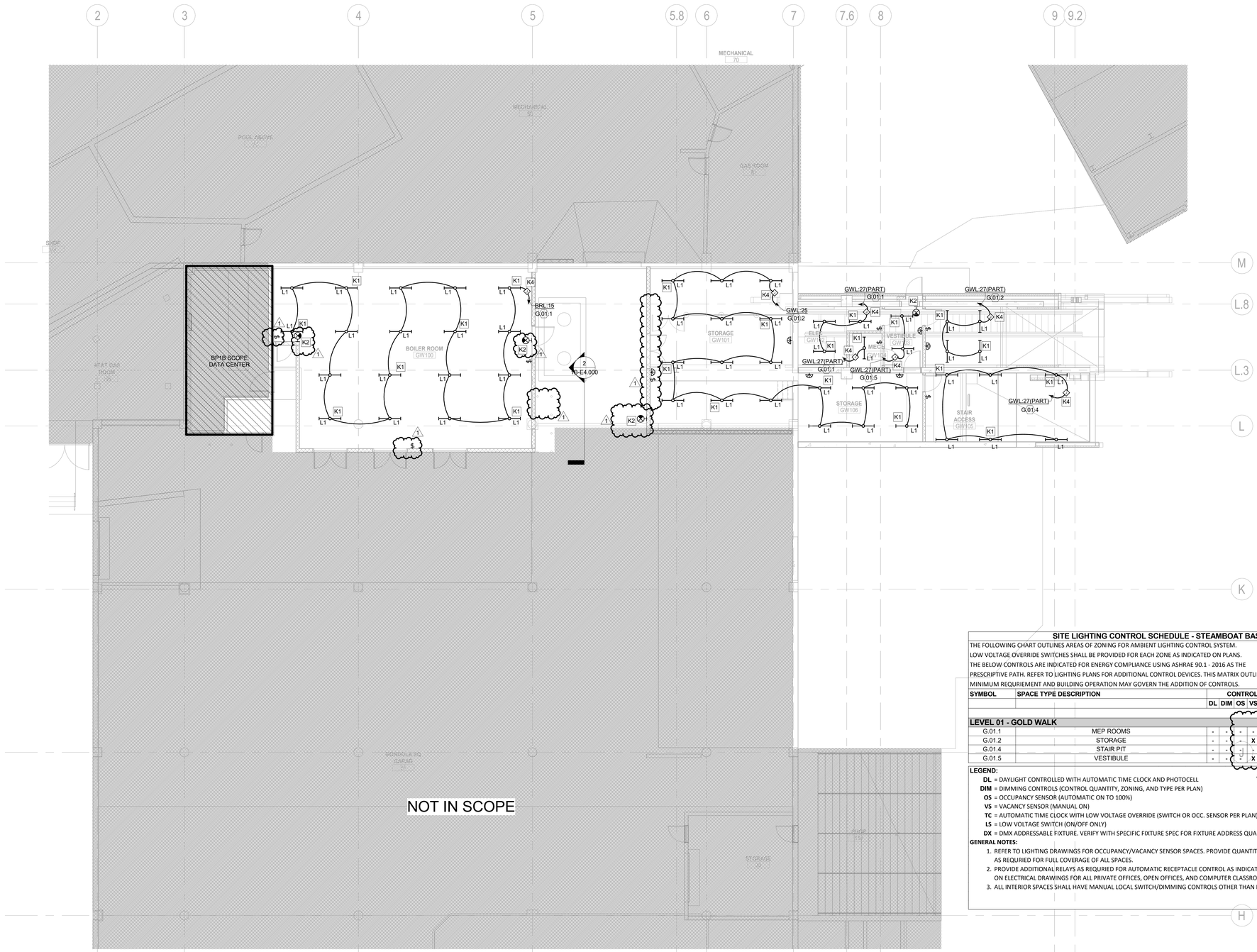
Project Number
003.7835.000

Description
GOLD WALK - ELECTRICAL PLAN - LEVEL 03

Scale
1/8" = 1'-0"

1B-E1.203

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GENERAL NOTES:

1. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION AND INSTALLED IN A NEAT AND CONSISTENT MANNER. NO ADDITIONAL COST TO OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO THE LACK OF COORDINATION WITH ARCHITECT. ALL SURFACE MOUNTED CONDUIT WHERE EXPOSED TO PUBLIC AREAS SHALL BE PAINTED. PAINT COLOR TO BE DETERMINED BY THE ARCHITECT.

2. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS INDICATING ALL PROPOSED EXPOSED CONDUIT ROUTING.

3. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR AND CABLETRAY/IT CONTRACTOR FOR PLACEMENT OF FIXTURES WITHIN ROOMS.

4. REFER TO LIGHTING DESIGNER DRAWINGS FOR EXACT MOUNTING AND DETAILS FOR POWER TO ALL SITE LIGHTING FIXTURES.

KEYNOTES

K1	PROVIDE INTEGRAL 90-MINUTE BATTERY PACK WITHIN LIGHT FIXTURE. BATTERY SHALL BE CIRCUITED TO THE LINE SIDE OF THE LINE VOLTAGE SWITCH CONTROLLING THE LIGHTS WITHIN THIS ROOM.
K2	PROVIDE EXIT SIGN TYPE "LITHONIA LQM-W-M-VOLT-EL N" (OR APPROVED EQUAL) WITH FACE AND CHEVRON INDICATOR AS INDICATED PER PLAN. EXIT SIGN COLOR TO BE APPROVED BY AHJ. EXIT SIGN TO HAVE INTEGRAL 90-MINUTE MINIMUM BATTERY PACK. PROVIDE (1) SPARE EXIT SIGN OF SAME TYPE FOR LOCATION PER AHJ PRIOR TO SUBSTANTIAL COMPLETION.
K4	PROVIDE SINGLE ZONE DISTRIBUTED ROOM CONTROLLER FOR LIGHTING CONTROL WITHIN THIS SPACE. ROOM CONTROLLER SHALL HAVE ON/OFF RELAY CONTROL ONLY. ROOM CONTROLLER SHALL BE MOUNTED INSIDE BUILDING OR WITHIN NEMA 3R ENCLOSURE ON SITE. REFER TO LIGHT FIXTURE SCHEDULE FOR EXACT CONNECTION REQUIREMENTS PER LIGHT FIXTURE TYPE. PROVIDE NETWORK CONNECTION FOR THIS ROOM CONTROLLER TO THE OVERALL NETWORKED LIGHTING CONTROL SYSTEM. REFER TO DETAIL 11/E8.002 FOR MORE INFORMATION.

SITE LIGHTING CONTROL SCHEDULE - STEAMBOAT BASE AREA - GOLD WALK

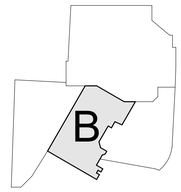
THE FOLLOWING CHART OUTLINES AREAS OF ZONING FOR AMBIENT LIGHTING CONTROL SYSTEM.
LOW VOLTAGE OVERRIDE SWITCHES SHALL BE PROVIDED FOR EACH ZONE AS INDICATED ON PLANS.
THE BELOW CONTROLS ARE INDICATED FOR ENERGY COMPLIANCE USING ASHRAE 90.1 - 2016 AS THE PRESCRIPTIVE PATH. REFER TO LIGHTING PLANS FOR ADDITIONAL CONTROL DEVICES. THIS MATRIX OUTLINES MINIMUM REQUIREMENT AND BUILDING OPERATION MAY GOVERN THE ADDITION OF CONTROLS.

SYMBOL	SPACE TYPE DESCRIPTION	CONTROL TYPE						SCENES					
		DL	DIM	OS	VS	TC	LS	DX	MAINTENANCE	EVENT	WEEKDAY	WEEKEND	USER DEFINED 01	USER DEFINED 02
LEVEL 01 - GOLD WALK														
G.01.1	MEP ROOMS	-	-	-	-	-	X	-						
G.01.2	STORAGE	-	-	-	X	-	X	-						
G.01.4	STAIR PIT	-	-	-	-	-	X	-						
G.01.5	VESTIBULE	-	-	-	X	-	X	-						

LEGEND:
- **DL** = DAYLIGHT CONTROLLED WITH AUTOMATIC TIME CLOCK AND PHOTOCELL
- **DIM** = DIMMING CONTROLS (CONTROL QUANTITY, ZONING, AND TYPE PER PLAN)
- **OS** = OCCUPANCY SENSOR (AUTOMATIC ON TO 100%)
- **VS** = VACANCY SENSOR (MANUAL ON)
- **TC** = AUTOMATIC TIME CLOCK WITH LOW VOLTAGE OVERRIDE (SWITCH OR OCC. SENSOR PER PLAN)
- **LS** = LOW VOLTAGE SWITCH (ON/OFF ONLY)
- **DX** = DMX ADDRESSABLE FIXTURE. VERIFY WITH SPECIFIC FIXTURE SPEC FOR FIXTURE ADDRESS QUANTITY AND EM OVERRIDE REQUIREMENTS.

GENERAL NOTES:
1. REFER TO LIGHTING DRAWINGS FOR OCCUPANCY/VACANCY SENSOR SPACES. PROVIDE QUANTITY AS REQUIRED FOR FULL COVERAGE OF ALL SPACES.
2. PROVIDE ADDITIONAL RELAYS AS REQUIRED FOR AUTOMATIC RECEPTACLE CONTROL AS INDICATED ON ELECTRICAL DRAWINGS FOR ALL PRIVATE OFFICES, OPEN OFFICES, AND COMPUTER CLASSROOMS.
3. ALL INTERIOR SPACES SHALL HAVE MANUAL LOCAL SWITCH/DIMMING CONTROLS OTHER THAN RESTROOMS AND PUBLIC CORRIDORS.

KEY PLAN



1 LIGHTING PLAN - LEVEL 01
SCALE: 1/8" = 1'-0"

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△	Date	Description
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1	2021.06.25	BP3: GOLDWALK - BULLETIN 2

Seal / Signature

COLORADO LICENSED PROFESSIONAL ENGINEER 52253 06/25/2021

Project Name
SSRC | BASE AREA IMPROVEMENTS

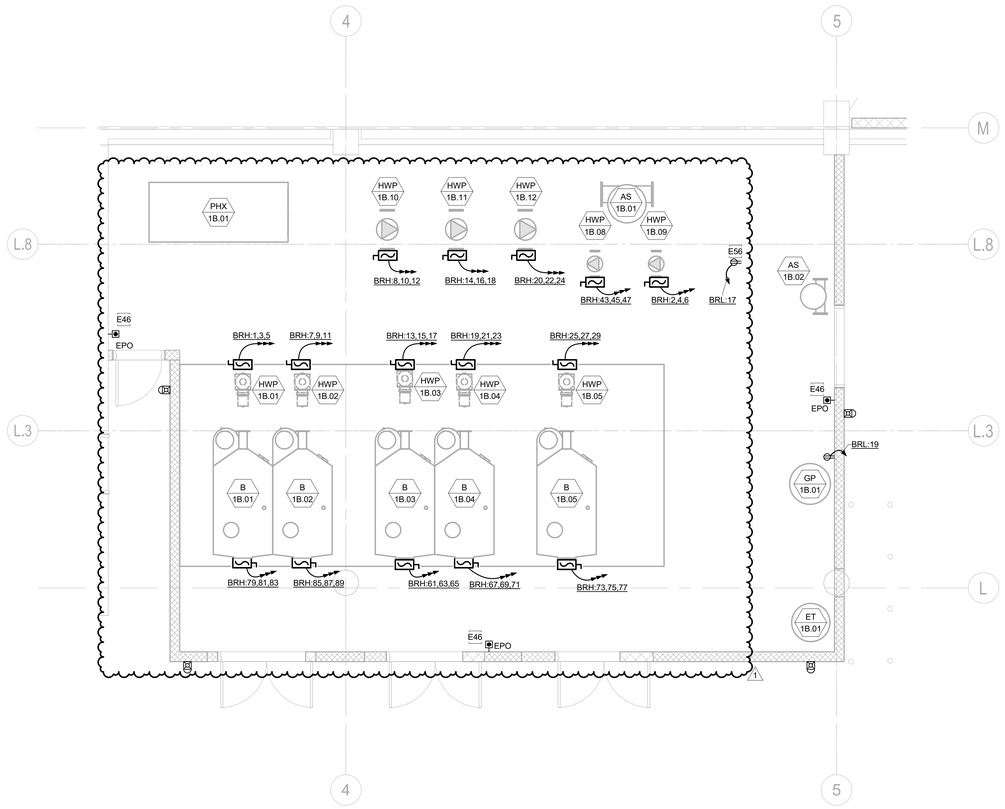
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Description
GOLD WALK - LIGHTING PLAN - LEVEL 01

Scale
1/8" = 1'-0"

1B-E2.201

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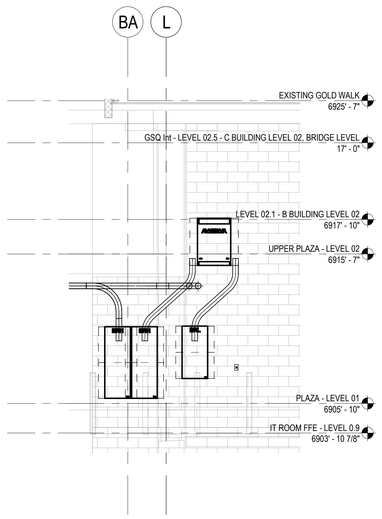


CONTRACTOR SHALL SUBMIT SCALED SHOP DRAWINGS INDICATING REAL DIMENSIONS, VFD/DISCONNECT LOCATIONS, SKID DETAILS, OMUNTING CONFIGURATIONS,E TC FOR ALL EQUIPMENT WITHIN THIS ROOM TO ENSURE APPROPRIATE CODE REQUIRED CLEARANCES PRIOR TO PURCHASE OF ANY EQUIPMENT BEING LOCATED WITHIN THIS ROOM. NOT SUBMITTING THESE DRAWINGS ALONG WITH PRODUCT DATA WILL BE CAUSE FOR REJECTION OF SUBMITTAL.

1 ENLARGED ELECTRICAL BOILER ROOM PLAN

SCALE: 1/4" = 1'-0"





2 BOILER ROOM ELECTRICAL EQUIPMENT MOUNTING

SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL MECHANICAL UNITS WITH MECHANICAL CONTRACTOR.

2. ALL EXPOSED CONDUIT SHALL BE ROUTED PERPENDICULAR, PARALLEL, AND TIGHT TO COLUMNS AND BEAMS. ALL EXPOSED CONDUIT ROUTING SHALL BE COORDINATED WITH THE ARCHITECT PRIOR TO INSTALLATION AND INSTALLED IN A NEAT AND CONSISTENT MANNER. NO ADDITIONAL COST TO OWNER WILL BE ALLOWED FOR RELOCATING CONDUIT DUE TO THE LACK OF COORDINATION WITH ARCHITECT.
CONTRACTOR SHALL PROVIDE SHOP DRAWINGS INDICATING ALL PROPOSED EXPOSED CONDUIT ROUTING.

3. ALL BACK BOXES SHALL BE FLUSH MOUNTED UNLESS NOTED OTHERWISE. ALL VERTICAL SECTIONS OF CONDUIT SHALL BE CONCEALED. CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUIT AND BACK BOXES IN CONCRETE, MASONRY AND GYP. WALLS.

4. THIS CONTRACTOR SHALL REFER TO "MEP" SERIES DRAWINGS FOR ALL MECHANICAL EQUIPMENT ELECTRICAL CONNECTIONS.

5. CIRCUITS TO ALL MECHANICAL EQUIPMENT SHALL BE DEDICATED UNLESS NOTED OTHERWISE.

KEYNOTES

E46	PROVIDE EPO PUSH BUTTON TIED TO SHUNT TRIP MAIN BREAKER ON PANEL 'BRH' FOR BOILER ROOM. LOCATE BEHIND ACRYLIC COVER OR SIMILAR. LABEL THIS BUTTON 'BOILER ROOM POWER SHUTOFF.
E56	PROVIDE NEMA 5-20R DEVICE LOCATED ADJACENT TO GLYCOL PUMP. REFER TO SNOWMELT DRAWINGS AND CONTRACTOR SHOP DRAWINGS FOR EXACT LOCATION. MOUNT RECEPTACLE ON UNISTRUT OR SIMILAR MOUNTING AT STANDARD MOUNTING HEIGHT AS REQUIRED FOR CONNECTION TO MECHANICAL EQUIPMENT.

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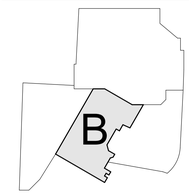
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KEY PLAN



Seal / Signature

COLORADO LICENSED
TIMOTHY JOHN STEVENS
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PROFESSIONAL ENGINEER
06/28/2021

Project Name

SSRC | BASE AREA IMPROVEMENTS

Project Number

003.7835.000

Description

GOLD WALK - ELECTRICAL
ENLARGED PLANS AND SECTIONS

Scale

1/4" = 1'-0"

1B-E4.000

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