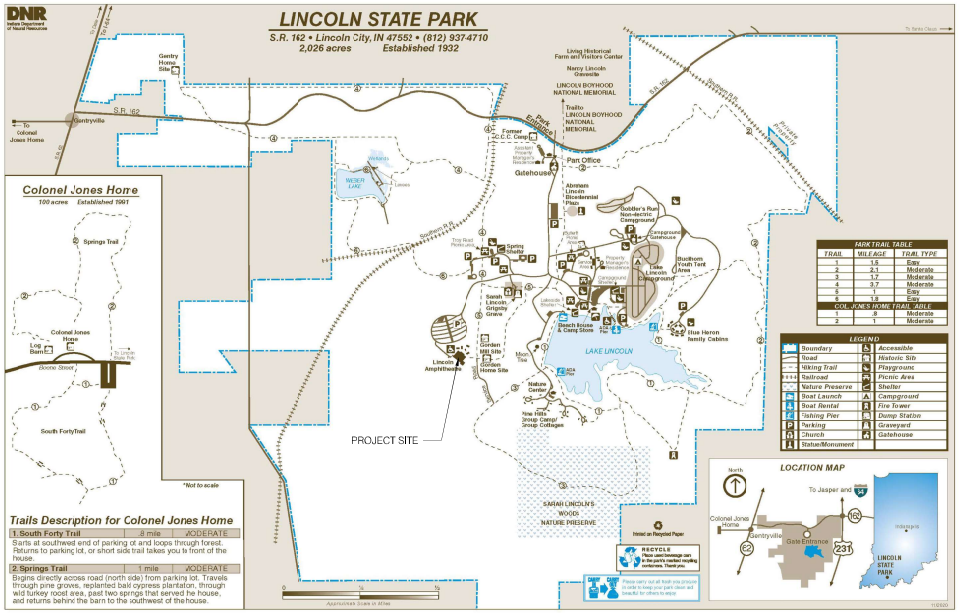
LINCOLN AMPHITHEATRE

PHASE 3 & 4 AMPHITHEATRE IMPROVEMENTS

INDIANA DEPARTMENT OF NATURAL RESOURCES
PROJECT # ENG2403730319

LINCOLN CITY, _____ INDIANA



SHEET SCHEDULE

SHEET NO.	DESCRIPTION
C0.0	OVERALL SITE KEY PLAN
C1.0	DEMOLITION PLAN - AMPHITHEATER AREA OVERALL
C2.0	SITE PLAN - AMPHITHEATER AREA OVERALL
C2.1	SITE PLAN - AMPHITHEATER AREA 1
C2.2	SITE PLAN - AMPHITHEATER AREA 2
C3.0	GRADING PLAN - AMPHITHEATER AREA OVERALL
C3.1	GRADING PLAN - AMPHITHEATER AREA 1
C3.2	GRADING PLAN - AMPHITHEATER AREA 2
C4.0	UTILITY PLAN - AMPHITHEATER AREA OVERALL
C4.1	UTILITY PLAN - AMPHITHEATER AREA 1
C4.2	UTILITY PLAN - AMPHITHEATER AREA 2
C5.0	SITE DETAILS
S1	FOUNDATION AND FRAMING PLANS - BUILDING B
S2	FOUNDATION AND FRAMING PLANS - BUILDING D
S3	FOUNDATION AND FRAMING PLANS - VIEWING DECK A
S4	FOUNDATION AND FRAMING PLANS - VIEWING DECK B
S5	VIEWING DECK FRAME SECTION AND DETAILS
S6	FOUNDATION AND CAST-IN-PLACE CONCRETE DETAILS
S7	CONCRETE MASONRY DETAILS
S8	WOOD FRAMING DETAILS
S9	STRUCTURAL STEEL DETAILS
A2	CODE ANALYSIS AND ADA DETAILS
A3	BUILDING B PLANS AND DETAILS
A4	BUILDING B ELEVATIONS AND REFLECTED CEILING PLAN
A5	BUILDINGS A AND D PLANS AND ELEVATIONS
A6	VIEWING DECK A PLANS AND ELEVATIONS
A7	VIEWING DECK B PLANS AND ELEVATIONS
A8	BUILDINGS C AND E EXTERIOR ELEVATIONS
A9	BUILDING F EXTERIOR ELEVATIONS
A10	BUILDING SECTIONS A & B
A11	BUILDING SECTION D
A12	ROOF PLANS
A13	ROOF PLANS
A14	FINISH SCHEDULE AND DETAILS - DOOR SCHEDULE AND DETAILS
ALT. 1 - C1	NEW SEATING WALL SITE PLANS
ALT. 2 - C1	BUILDING D ADDITION SITE PLANS
ALT. 2 - A1	BUILDING D ADDITION PLANS
ALT. 3 - C1	MAIN SEATING STRUCTURE SITE PLANS
ALT. 3, 4, 7 - A1	MAIN SEATING STRUCTURE A PLANS AND ELEVATIONS
ALT. 3, 4, 7 - A2	MAIN SEATING STRUCTURE B PLANS AND ELEVATIONS
ALT. 5 - C1	SECONDARY SEATING STRUCTURE SITE PLANS
ALT. 5, 6, 8 - A1	SECONDARY SEATING STRUCTURE C PLANS AND ELEVATIONS
ALT. 5, 6, 8 - A2	SECONDARY SEATING STRUCTURE D PLANS AND ELEVATIONS
ALT. 9 - A1	VIEWING DECK ELEVATIONS AND DETAILS
ALT. 10 - A1	RESTROOM PARTITION PLAN
P1	BUILDING B PLUMBING PLAN
P2	ALT. BID 2 - BUILDING D PLUMBING PLAN
HVAC-1	BUILDING B HVAC PLAN
HVAC-2	BUILDING D HVAC PLAN
HVAC-3	HVAC DETAILS
E1	BUILDING B ELECTRICAL PLAN
E2	ALT. BID 2 - BUILDING D ELECTRICAL PLAN
E3	ELECTRICAL DETAILS
E4	OVERALL SITE ELECTRICAL PLAN

DNR
Indiana Department of Natural Resources
Division Of Engineering
402 W. Washington Street, Rm W299
Indianapolis, IN 46204-2739

Lincoln AMPHITHEATRE
15032 E. County Rd 1500
Lincoln City, IN 47552

Universal DESIGN ASSOCIATES, INC.
910 Main Street
P.O. Box 99
Ferdinand, IN 47532

N

BIDDING SET: 3-8-2024

3-8-24 3-8-24 3-8-24 DATE: 3-8-24

ALTERNATE BID LIST:

ALTERNATE BID 1 - ADD:
Provide new raised planter bed and seating wall.

ALTERNATE BID 2 - ADD:
Provide new Building "D" Restroom Addition and all associated work along with new sidewalk for mechanical room access.

ALTERNATE BID 3 - ADD:
Provide and construct new Main Seating Structures "A" and "B". This alternate is for the base structure and all related items except for the seats. Does not include enclosure walls and lower build-out.

ALTERNATE BID 4 - ADD:
Enclose the Main Seating Structures "A" and "B" and construct lower build-out. Provide framing and siding to match adjacent structures as shown on the plans.

ALTERNATE BID 5 - ADD:
Provide and construct new Secondary Seating Structures "C" and "D". This alternate is for the base structure and all related items except for the seats. Does not include enclosure walls.

ALTERNATE BID 6 - ADD:
Enclose the Secondary Seating Structures "C" and "D". Provide framing and siding to match adjacent structures as shown on the plans.

ALTERNATE BID 7a - ADD:
Provide and install refurbished seats for seating structures constructed in Alternate Bid 3 - Add. Refurbished seats to be matching dark green or black. Final color to be approved by owner.

ALTERNATE BID 7b - ADD:
Provide and install new seats for seating structures constructed in Alternate Bid 3 - Add. New seats to be matching dark green or black. Final color to be approved by owner.

ALTERNATE BID 8a - ADD:
Provide and install refurbished seats for seating structures constructed in Alternate Bid 5 - Add. Refurbished seats to be matching dark green or black. Final color to be approved by owner.

ALTERNATE BID 8b - ADD:
Provide and install new seats for seating structures constructed in Alternate Bid 5 - Add. New seats to be matching dark green or black. Final color to be approved by owner.

ALTERNATE BID 9 - ADD:
Provide and install stone veneer to all exposed foundation walls on Viewing Decks "A" and "B" to match the existing signage wall at facility entrance.

ALTERNATE BID 10 - ADD:
Replace all existing toilet partitions with new matching partitions. Salvage and reinstall all existing related toilet paper dispensers, grab bars, and similar items.

BASE BID LIST:

RESTROOM BUILDING "A":
Exterior improvements only (roofing, fascia, soffit, siding, etc.). See elevations for details.

ALCOHOL CONCESSIONS BUILDING "B":
Provide new restroom addition. Rework existing interior for new proposed alcohol sales. Exterior improvements to existing building (roofing, fascia, soffit, siding, etc.). See elevations for details.

CONCESSIONS STAND BUILDING "C":
Exterior improvements only (roofing, fascia, soffit, siding, etc.). G.C. to provide new privacy fence around existing L.P. tanks and equipment. See elevations for details.

RESTROOM BUILDING "D":
Exterior improvements only (roofing, fascia, soffit, siding, etc.). See elevations for details.

TICKET BOOTH BUILDING "E":
Exterior improvements only (roofing, fascia, soffit, siding, etc.). See elevations for details.

CONTROL BUILDING "F":
Exterior improvements (roofing, fascia, soffit, siding, etc.). See elevations for details. Rework existing roof slope as required to mediate water drainage issues at amphitheater canopy. Provide new access stair to existing canopy.

VIEWING DECKS "A" AND "B":
New construction.

SITE IMPROVEMENTS:
Provide new concrete sidewalks and gathering spaces as shown including railing at new patio west of Alcohol Concessions Building "B". Provide new picnic tables, and overhead lighting as shown.

POINT OF CONTACT LIST:

Josh Herring (Seating Structures)
GT GRANDSTANDS
Direct: (815) 303-5496
Email: jherring@gtgrandstands.com

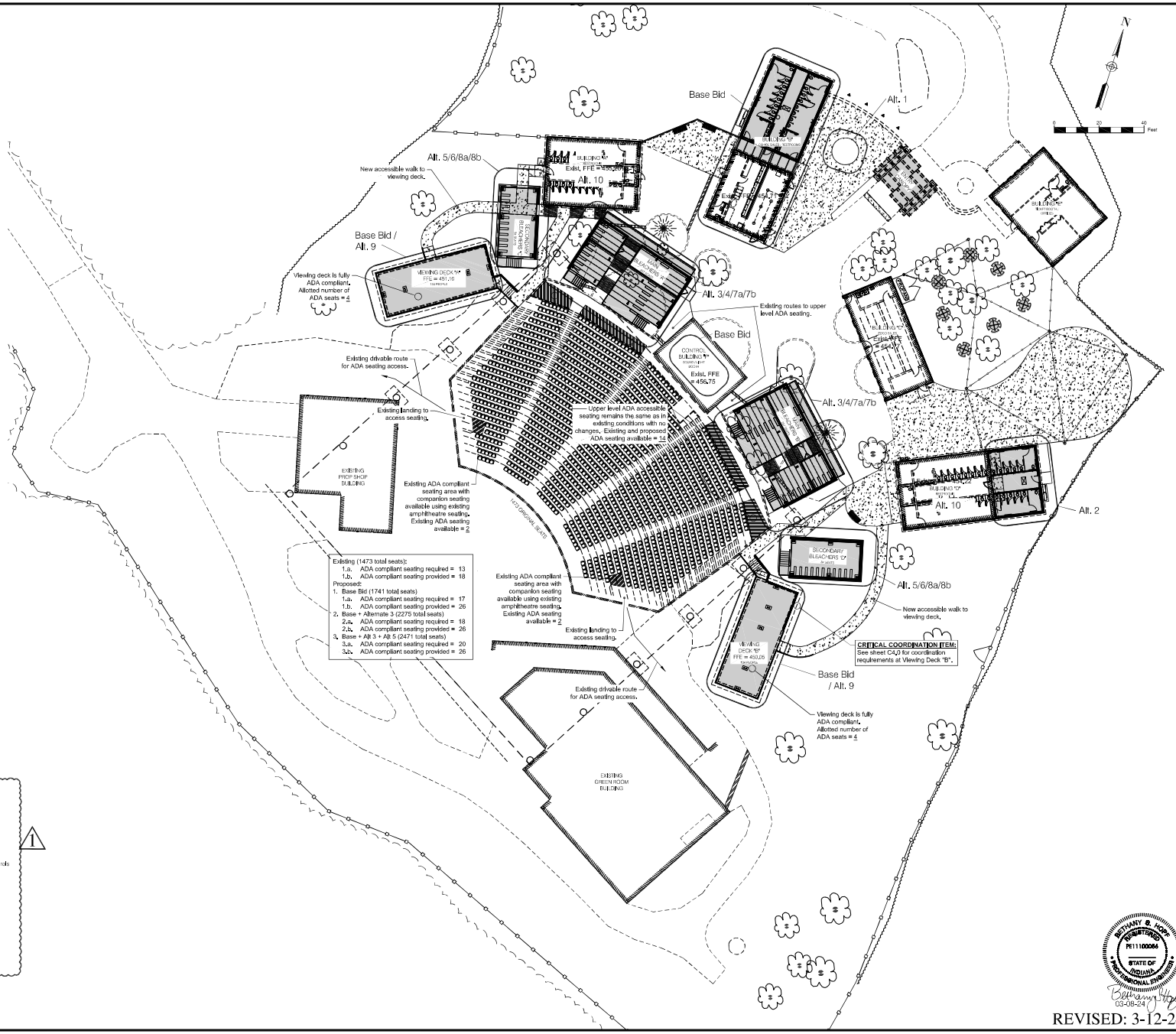
Brandon Hanlieux (Seating Structures)
Davis Furniture Company
Direct: (715) 896-2750
Email: brandon@davisseating.com

Kevin Cross (Concrete Timber Sliding w/Chinking)
ClearCreek Sliding
Direct: (417) 720-7221
Email: sales@clearcreeksliding.com

Dale Sprinkle (Refurbished Seating)
S&S Seating Inc.
Direct: (812) 719-3013
Email: djsprink@psci.net

Jason Kleiman (Audio & Lighting Controls Consultant to Lincoln Amphitheatre)
Email: jason.kleiman@twc.com

1



REVISED: 3-12-24

BETHANY S. HOOK REGISTERED PE11100084 STATE OF INDIANA PROFESSIONAL ENGINEER
03-08-24

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LINCOLN CITY, INDIANA

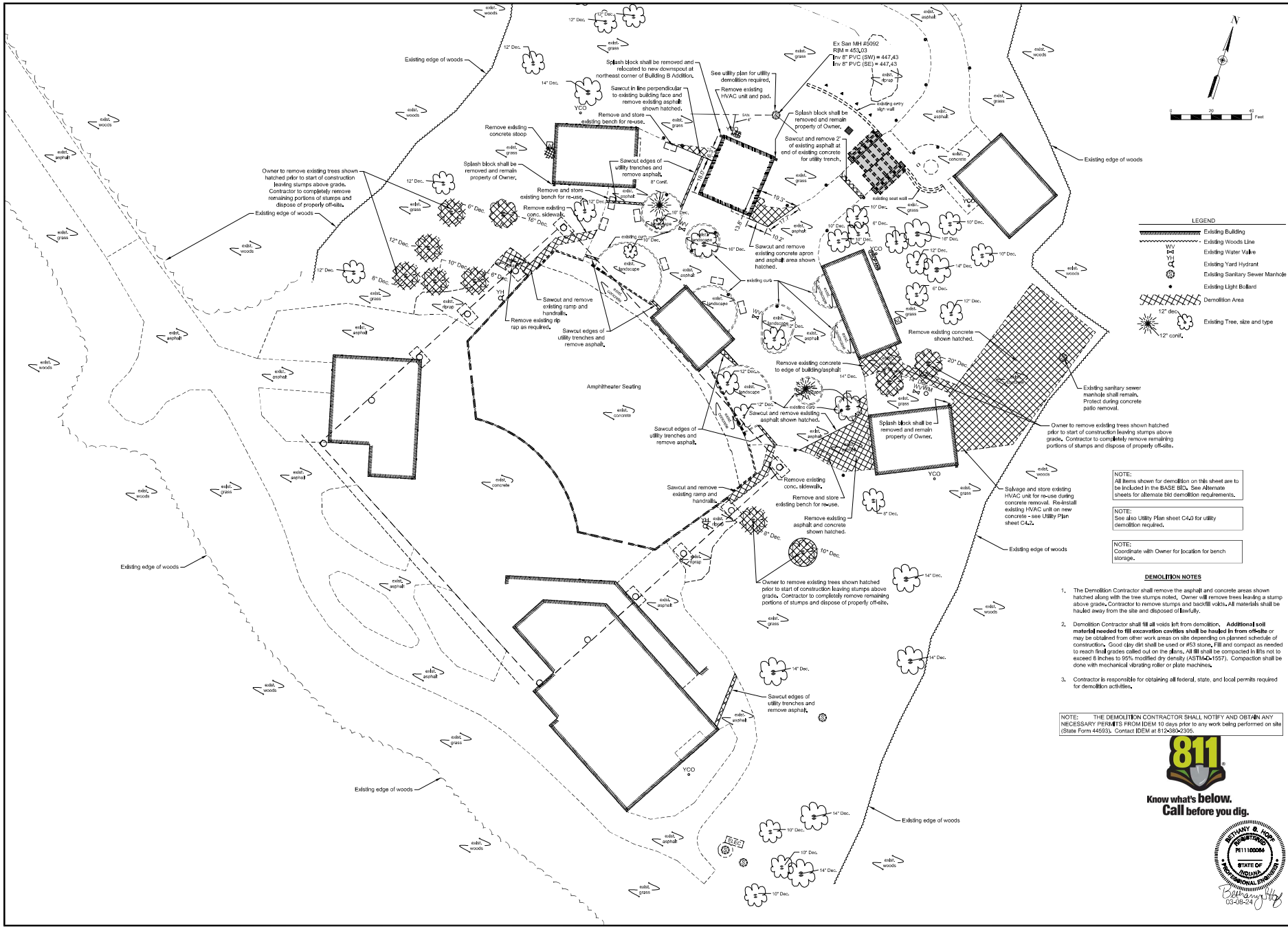
NO.	DATE	BY	REMARKS
1	3-12-24	BSH	SEC. C.O.D.E.S. REV. - ADDENDUM #1

AWN: DMW BSH
CKED: JAG
APVD: BSH

OVERALL SITE KEY PLAN

SCALE: 1" = 20'

DATE: 03-08-24
REV: 03-12-24
UDA PROJECT NO.: LA23102
STATE PROJECT NO.: ENG24003730319
SHEET NO.: C0.0



NOTE:
All items shown for demolition on this sheet are to be included in the BASE BID. See Alternate sheets for alternate bid demolition requirements.

NOTE:
See also Utility Plan sheet C4.0 for utility demolition required.

NOTE:
Coordinate with Owner for location for bench storage.

DEMOLITION NOTES

1. The Demolition Contractor shall remove the asphalt and concrete areas shown hatched along with the tree stumps noted. Owner will remove trees leaving a stump above grade. Contractor to remove stumps and backfill voids. All materials shall be hauled away from the site and disposed of lawfully.
2. Demolition Contractor shall **fill all voids left from demolition. Additional soil material needed to fill excavation cavities shall be hauled in from off-site** or may be obtained from other work areas on site depending on planned schedule of construction. Good clay dirt shall be used or #53 stone. Fill and compact as needed to reach final grades called out on the plans. All fill shall be compacted in lifts not to exceed 8 inches to 95% modified dry density (ASTM-D-1557). Compaction shall be done with mechanical vibrating roller or plate machines.
3. Contractor is responsible for obtaining all federal, state, and local permits required for demolition activities.

NOTE: THE DEMOLITION CONTRACTOR SHALL NOTIFY AND OBTAIN ANY NECESSARY PERMITS FROM IDEM 10 days prior to any work being performed on site (State Form 44593). Contact IDEM at 812-380-2305.

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03-08-24

NO.	BY	REMARKS

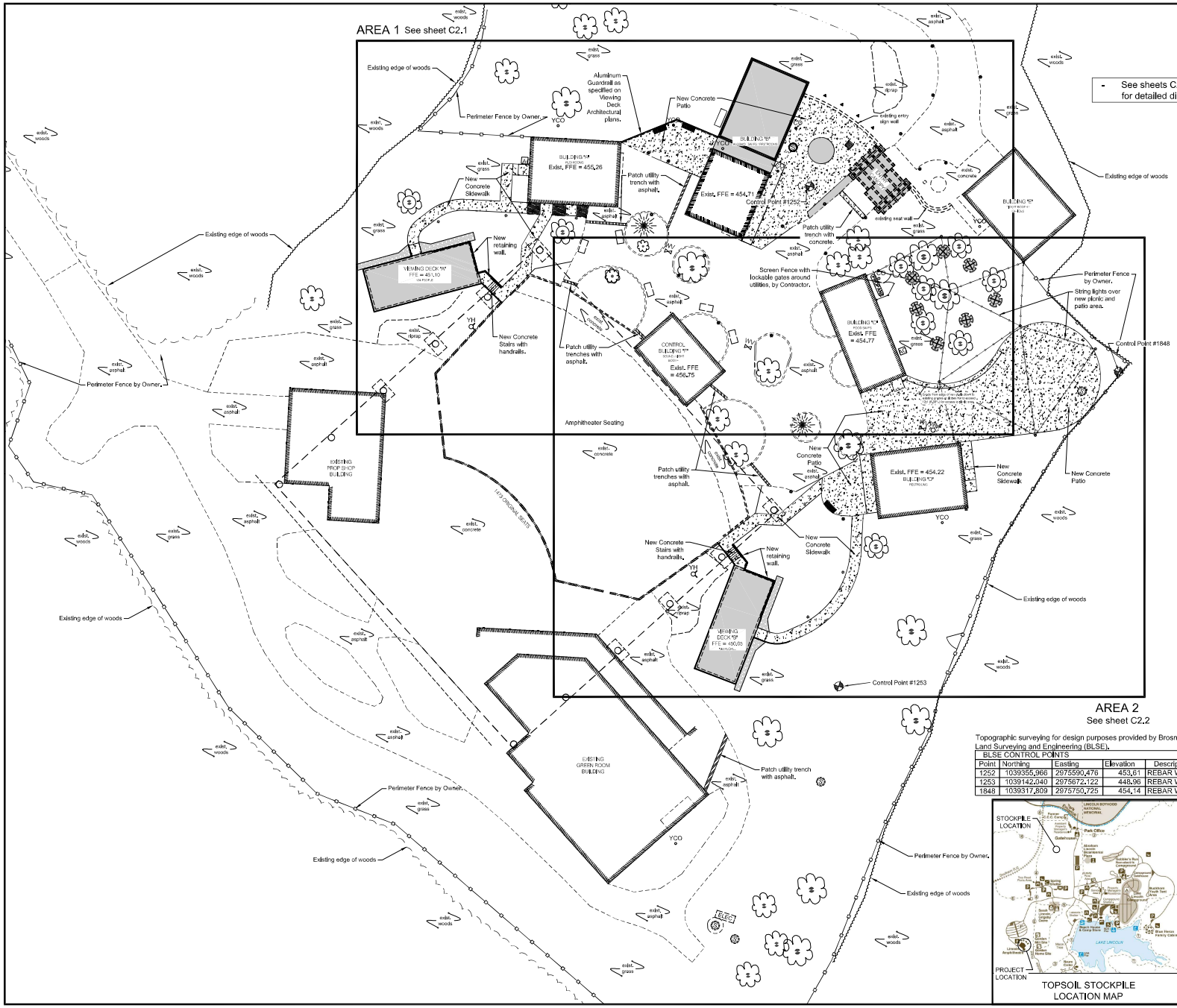
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LINCOLN CITY, INDIANA

DRAWN: BSH
CHECKED: JAG
APPROVED: BSH

DEMOLITION PLAN
AMPHITHEATRE AREA OVERALL

SCALE: 1" = 20'
DATE: 03-08-24
UDA PROJECT NO.: LA23102
SUR PROJECT NO.: ENG240730319
SHEET NO.: C1.0



SITE PLAN NOTES

1. Contractor shall provide #2 stone entrance and staging area as required for construction progress. If existing drives are used, Contractor shall be responsible for maintaining surfaces. If damages to existing pavement or finished subgrades occur, Contractor is responsible for repairs to design conditions.
2. Contractor shall be responsible for touch up and re-grading in disturbed construction areas as necessary to bring grades back to proper elevations.
3. Contractor shall clean up all edges of existing pavement where new pavement will be constructed. If existing edges are deteriorated, Contractor shall sawcut back from edge to good condition pavement to ensure a clean vertical edge to provide a smooth transition to new pavement.
4. Contractor shall place 6" minimum of topsoil at all grass areas and 18" minimum of topsoil at all landscape areas as shown on Site Plan. Topsoil shall be obtained from Owner stockpile - location shown on Topsoil Stockpile Location Map this sheet.
5. Pavement areas shall receive #53 stone compacted to the depths noted on the Site Plan. Then apply pavement over the stone as noted.
6. All asphalt for trench patching shall be tamped/compacted with a smooth surface and shall be flush with adjacent remaining asphalt surfaces. Vertical changes in grade greater than 1/4" shall not be accepted. Surfaces must be ADA compliant.

PAVEMENT SPECIFICATIONS:

- Asphalt Patching
  1.5" HMA Surface Course with #11 stone on
  2" HMA Base Course on
  6" compacted #53 stone base
- Sidewalk and Patio Concrete
  4" concrete with 6"x6" 10/10 WWF on
  4" compacted #53 stone base

NOTES:

1. Saw-cut jointing must be made no more than 4 hours after finishing is complete. Spacing of saw-cut joints shall not exceed 12'. The ratio of the length to width of an area formed by control joints shall not exceed 1.5.
2. Expansion joints shall be provided spaced at 40'.
3. Contractor shall provide joint caulk at all saw-cut and expansion joints.
4. All new concrete slabs abutting new or existing walls shall have a 1/2" expansion joint for full wall length along new concrete slab.

Topographic surveying for design purposes provided by Brosmer Land Surveying and Engineering (BLSE).

BLSE CONTROL POINTS

Point	Northing	Easting	Elevation	Description
1252	1039355.966	2975590.476	453.61	REBAR W. CAP
1253	1039142.040	2975672.122	448.96	REBAR W. CAP
1848	1039317.809	2975750.725	454.14	REBAR W. CAP

TOPSOIL STOCKPILE LOCATION MAP

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03-08-24

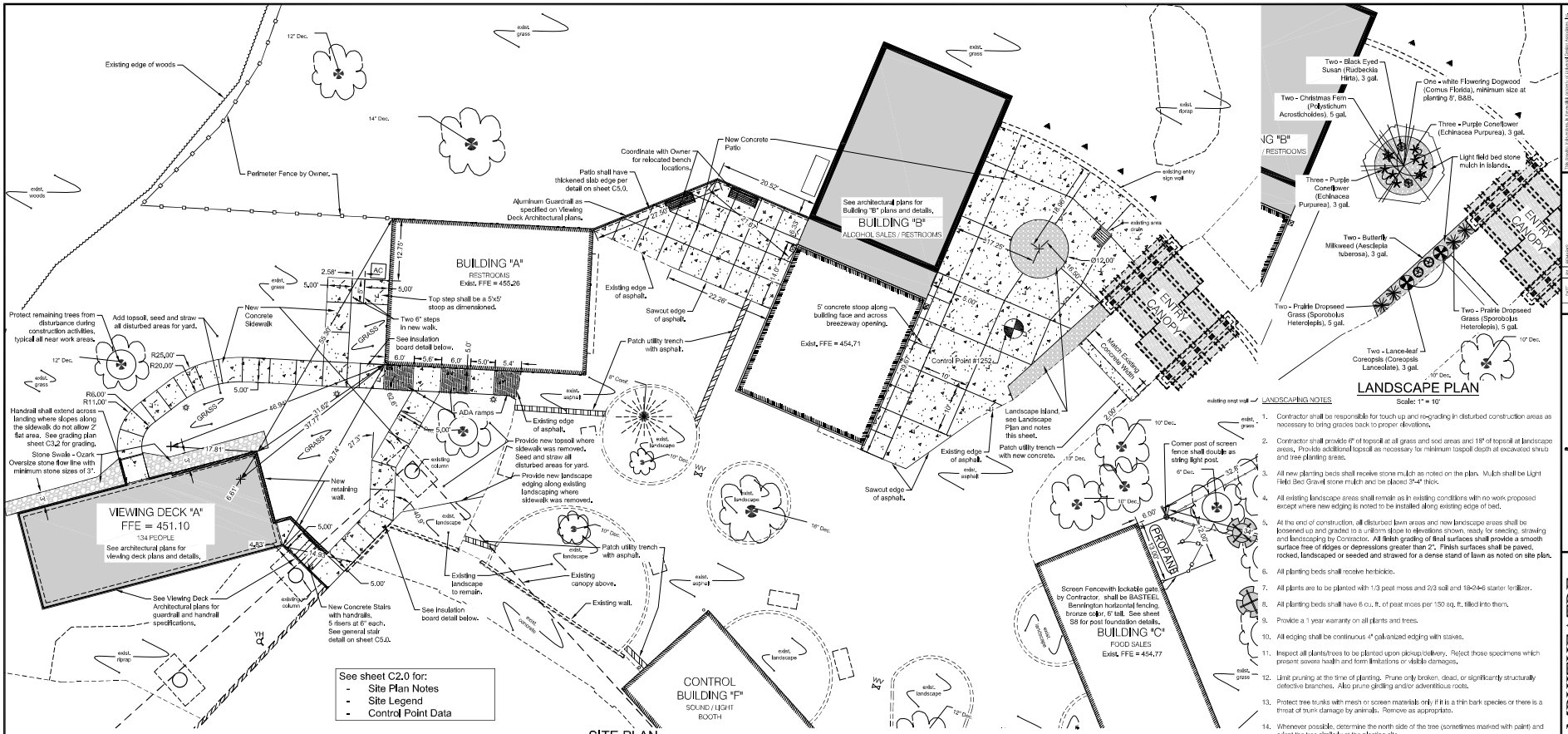
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Ferdinand, IN 47532
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LINCOLN CITY, INDIANA

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SITE PLAN
AMPHITHEATRE AREA OVERALL

SCALE 1" = 20'
DATE 03-08-24
LDA PROJECT NO. LA23102
SUR PROJECT NO. ENG240730319
SHEET NO. C2.0

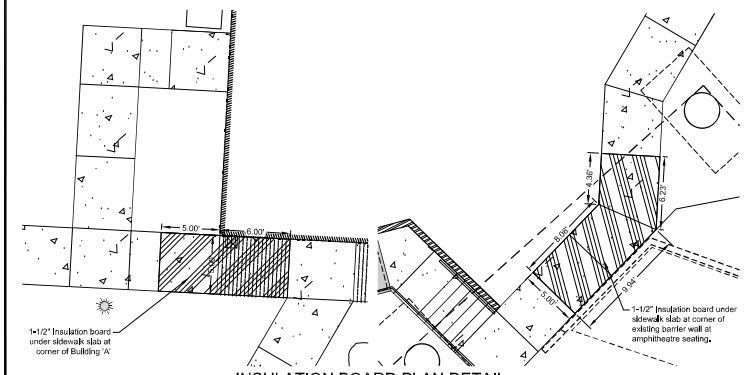


SITE PLAN
Scale: 1" = 10'

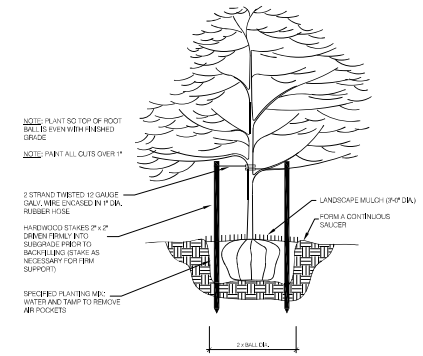
LANDSCAPE PLAN
Scale: 1" = 10'

LANDSCAPING NOTES

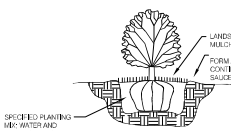
1. Contractor shall be responsible for touch up and re-grading in disturbed construction areas as necessary to bring grades back to proper elevations.
2. Contractor shall provide 6" of topsoil at all grass and sod areas and 18" of topsoil at landscape areas. Provide additional topsoil as necessary for minimum topsoil depth at excavated shrub and tree planting areas.
3. All new planting beds shall receive stone mulch as noted on the plan. Mulch shall be Light Field Bed Gravel stone mulch and be placed 3"-4" thick.
4. All existing landscape areas shall remain as in existing conditions with no work proposed except where new edging is noted to be installed along existing edge of bed.
5. At the end of construction, all disturbed lawn areas and new landscape areas shall be loosened up and graded to a uniform slope to elevations shown, ready for seeding, strawing and landscaping by Contractor. All finish grading of final surfaces shall provide a smooth surface free of ridges or depressions greater than 2". Finish surfaces shall be paved, rocked, landscaped or seeded and strawed for a dense stand of lawn as noted on site plan.
6. All planting beds shall receive herbicide.
7. All plants are to be planted with 1/3 peat moss and 2/3 soil and 18-24-6 starter fertilizer.
8. All planting beds shall have 6 cu. ft. of peat moss per 150 sq. ft. tilled into them.
9. Provide a 1 year warranty on all plants and trees.
10. All edging shall be continuous 4" galvanized edging with stakes.
11. Inspect all plants/trees to be planted upon pickup/delivery. Reject those specimens which present severe health and form limitations or visible damages.
12. Limit pruning at the time of planting. Prune only broken, dead, or significantly structurally defective branches. Also prune girdling and/or adventitious roots.
13. Protect tree trunks with mesh or screen materials only if it is a thin bark species or there is a threat of trunk damage by animals. Remove as appropriate.
14. Whenever possible, determine the north side of the tree (sometimes marked with paint) and orient the tree similarly at the planting site.
15. Each tree must be planted so that the trunk flare is at grade level. To locate the trunk flare, find the first main lateral root and plant the tree with that first root at or no more than 1" below grade.
16. In wet or slowly draining areas, position the root flare 1" to 2" above grade, and insure good soil contact for radial roots at the edge of the root ball.
17. Completely remove the burlap and wire basket from the upper 1/2 of the root ball, or as needed to expose the root flare and the primary structural roots of the tree. You may remove the entire basket and burlap.
18. Place root ball on unexcavated or tamped soil. Do not over-dig the planting hole.
19. Do not cover the trunk or the top of the root ball with excess soil. Gently tamp soil around root ball base firmly with foot pressure so that root ball does not shift and any air gaps are removed.
20. Spread 2"-4" of mulch around the tree in a minimum 36" diameter circle around the tree trunk. Do not place mulch in contact with the tree trunk.
21. Water thoroughly immediately after planting.



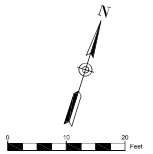
INSULATION BOARD PLAN DETAIL
Scale: 1" = 5'



TREE PLANTING DETAIL
N.T.S.



SHRUB PLANTING DETAIL
N.T.S.



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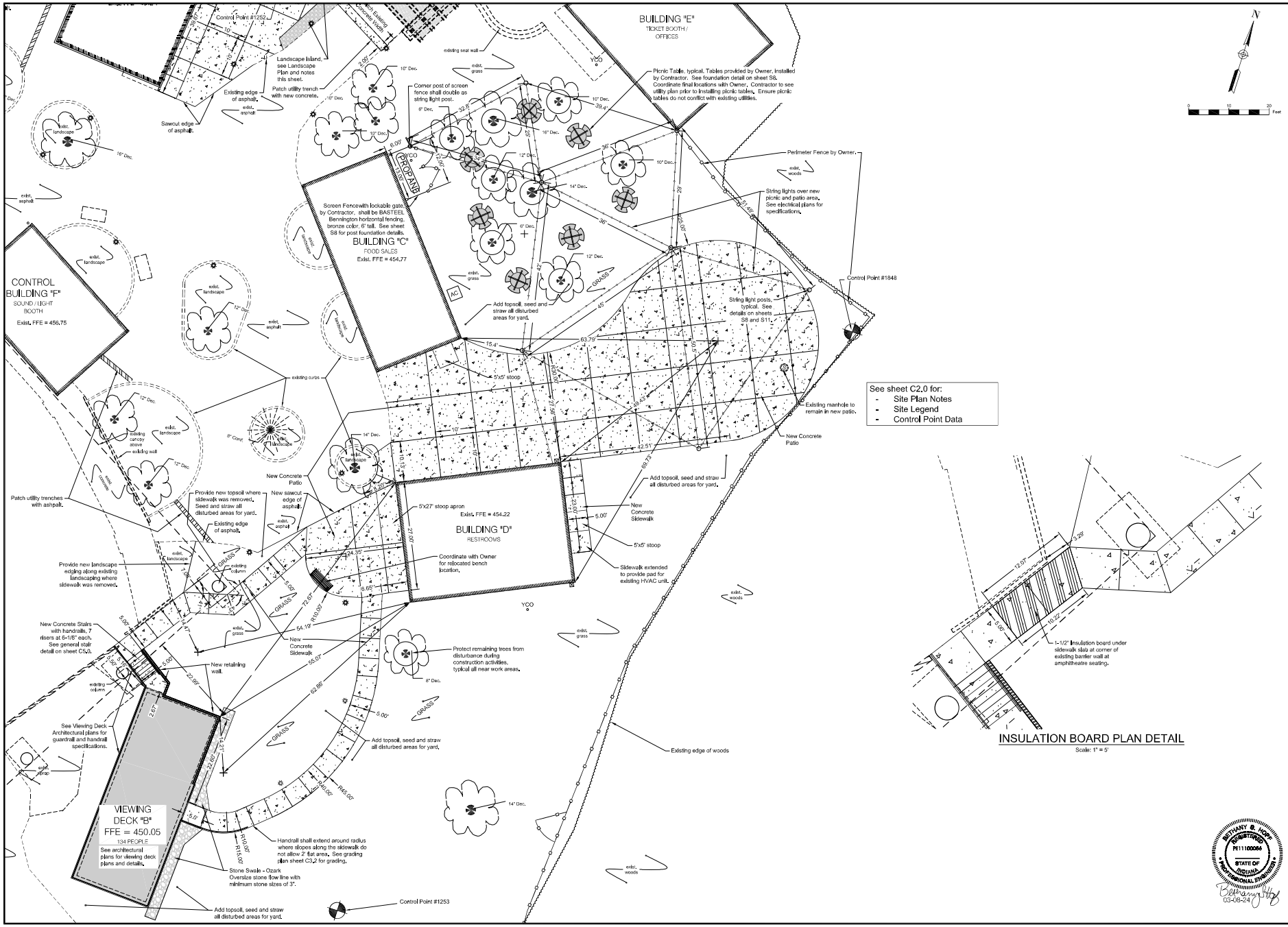
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SITE PLAN
AMPHITHEATRE AREA 1

SCALE: 1" = 10'
DATE: 03-08-24
LDA PROJECT NO.: LA23102
SUR PROJECT NO.: ENG2403730319
SHEET NO.: C2.1



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SITE PLAN
AMPHITHEATRE AREA 2

SCALE: 1" = 10'

DATE: 03-08-24

UDA PROJECT NO.: LA23102

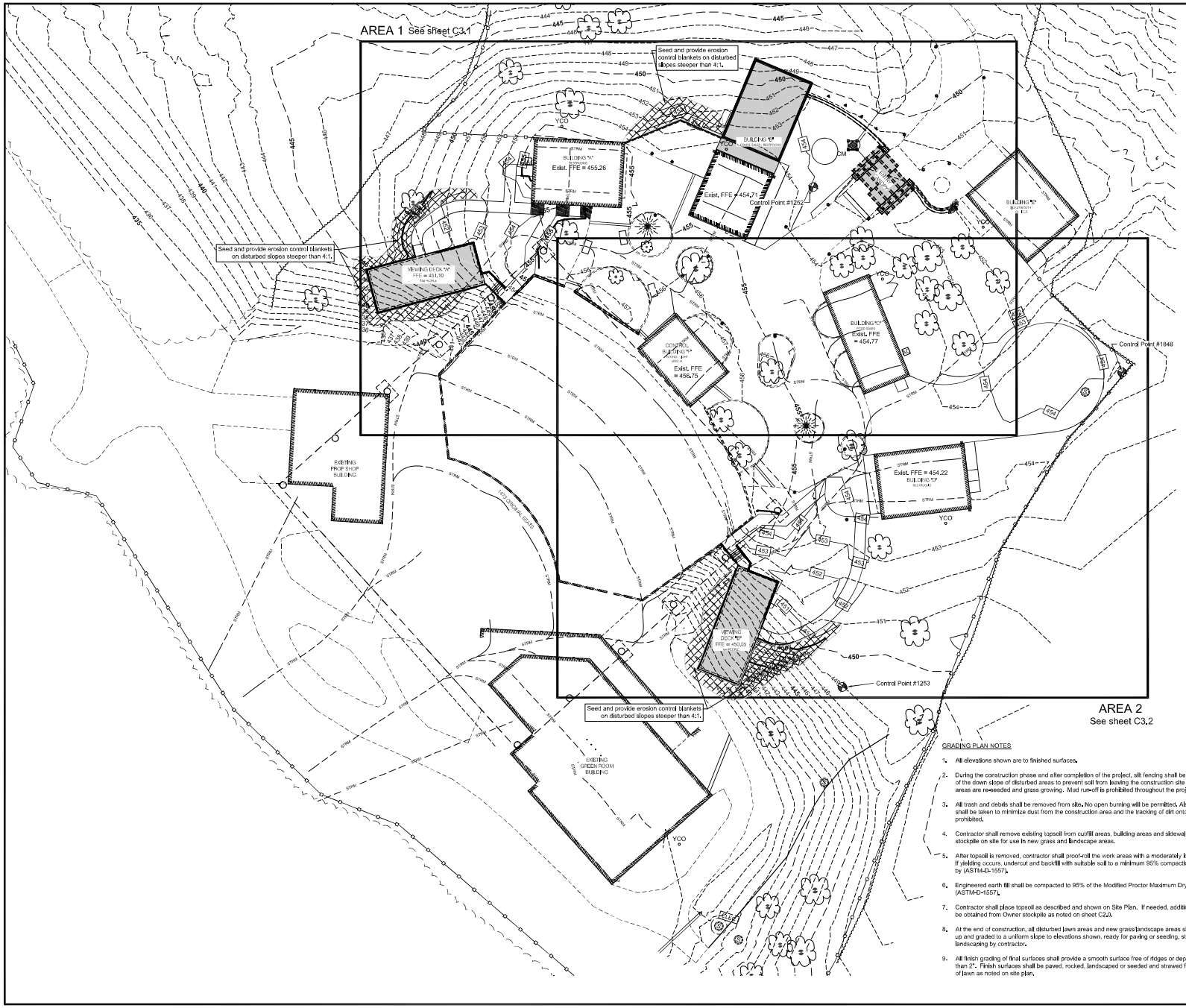
SUB PROJECT NO.: ENG2403730319

SHEET NO.: C2.2

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PE11100086
STATE OF INDIANA
PROFESSIONAL ENGINEER
03-08-24

NO.	BY	REMARKS	DATE

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Grading Legend

- 148.27 — Proposed General Spot Grade
- 148.27 FL — Proposed Swale Flow Line Grade
- 132.47 — Existing General Spot Grade
- -9.5% — Existing Surface Slope and Direction
- -9.5% — Proposed Surface Slope and Direction
- 132 — Existing Contour
- 132 — Proposed Contour
- Existing Control Point
- WM — Existing Water Meter
- WV — Existing Water Valve
- Existing Yard Hydrant
- Existing Sanitary Sewer Manhole
- YCO — Existing Sanitary Yard Clean Out
- Existing Light Bollard
- Proposed Erosion Control Blanket
- Proposed Building
- Proposed Fence
- Existing Building
- Existing Woods Line
- STRM — Existing Storm Sewer Main
- STRM — Proposed Storm Sewer Main
- Existing Flow Line
- Proposed Swale Flow Line
- SAN — Existing Sanitary Sewer Main
- SAN — Proposed Sanitary Sewer Main
- W — Proposed Water Line
- W — Existing Water Line
- E — Existing Underground Electric Line
- E — Proposed Underground Electric Line
- GAS — Existing Gas Line
- GAS — Proposed Gas Line
- UC — Existing Communications Line
- UC — Proposed Communications Line

See sheets C3.1 and C3.2 for:
- Detail grading tags

See sheet C2.0 for:
- Control Point Data

GRADING PLAN NOTES

1. All elevations shown are to finished surfaces.
2. During the construction phase and after completion of the project, silt fencing shall be utilized at the end of the down slope of disturbed areas to prevent soil from leaving the construction site until all disturbed areas are re-seeded and grass growing. Mud run-off is prohibited throughout the project area.
3. All trash and debris shall be removed from site. No open burning will be permitted. Also precautions shall be taken to minimize dust from the construction area and the tracking of dirt onto paved areas is prohibited.
4. Contractor shall remove existing topsoil from cut/fill areas, building areas and sidewalk/patio areas and stockpile on site for use in new grass and landscape areas.
5. After topsoil is removed, contractor shall proof-roll the work areas with a moderately loaded dump truck. If yielding occurs, undercut and backfill with suitable soil to a minimum 95% compaction as determined by (ASTM-D-1557).
6. Engineered earth fill shall be compacted to 95% of the Modified Proctor Maximum Dry Density (ASTM-D-1557).
7. Contractor shall place topsoil as described and shown on Site Plan. If needed, additional topsoil shall be obtained from Owner stockpile as noted on sheet C2.0.
8. At the end of construction, all disturbed lawn areas and new grass/landscape areas shall be loosened up and graded to a uniform slope to elevations shown, ready for paving or seeding, strawing and landscaping by contractor.
9. All finish grading of final surfaces shall provide a smooth surface free of ridges or depressions greater than 2". Finish surfaces shall be paved, rocked, landscaped or seeded and strawed for a dense stand of lawn as noted on site plan.

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03-08-24

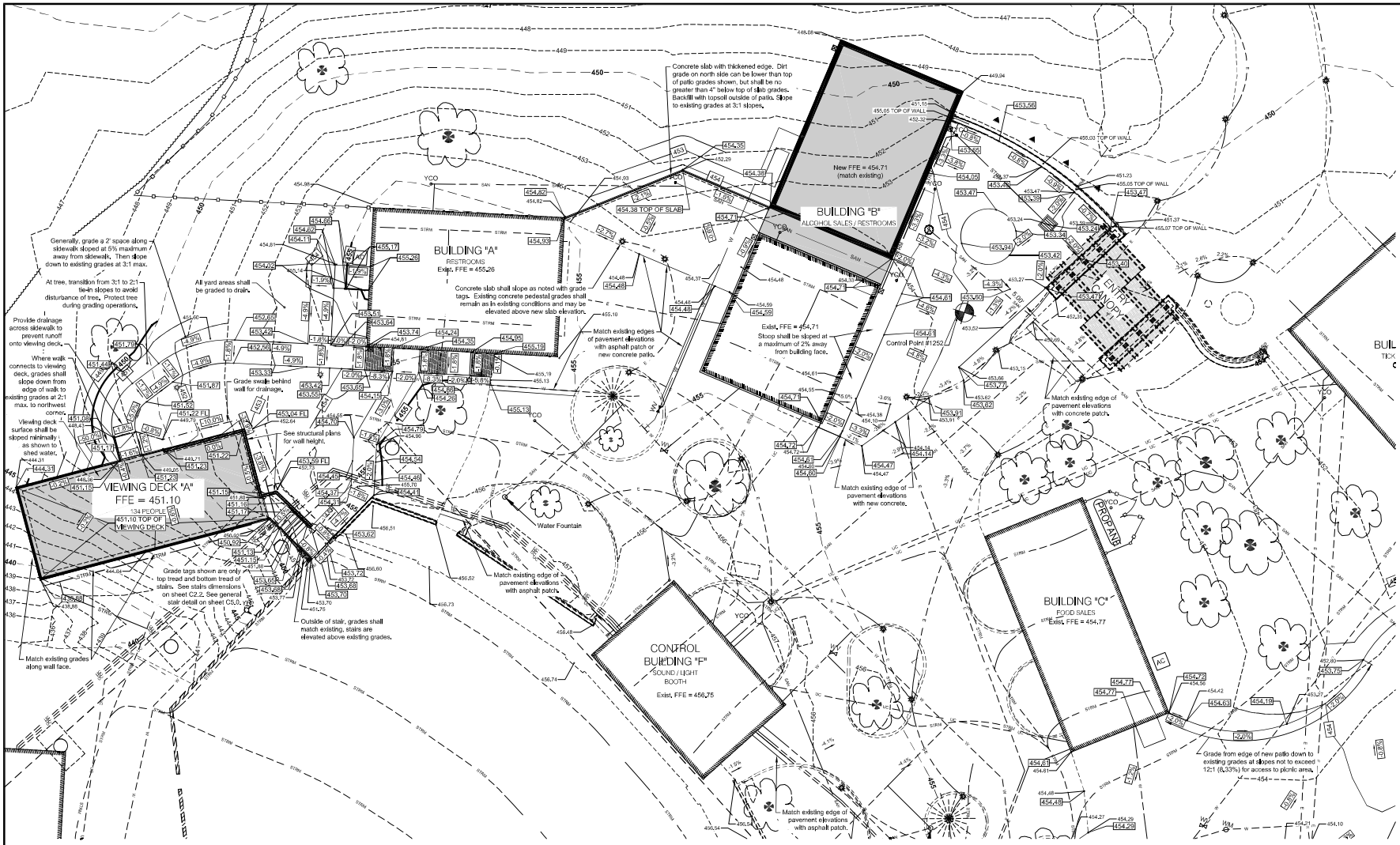
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LINCOLN AMPHITHEATRE
AMPHITHEATRE IMPROVEMENTS
LINCOLN CITY, INDIANA

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GRADING PLAN
AMPHITHEATRE AREA OVERALL

SCALE: 1" = 20'
DATE: 03-08-24
UDA PROJECT NO.: LA23102
SUR PROJECT NO.: ENG240730319
SHEET NO.: C3.0



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Universal DESIGN ASSOCIATES INC.

LINCOLN AMPHITHEATRE

AMPHITHEATRE IMPROVEMENTS

LINCOLN CITY, INDIANA

NO.	BY	REMARKS	DATE

DRAWN: BSH
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APPROVED: BSH

GRADING PLAN
AMPHITHEATRE AREA 1

SCALE: 1" = 10'

DATE: 03-08-24

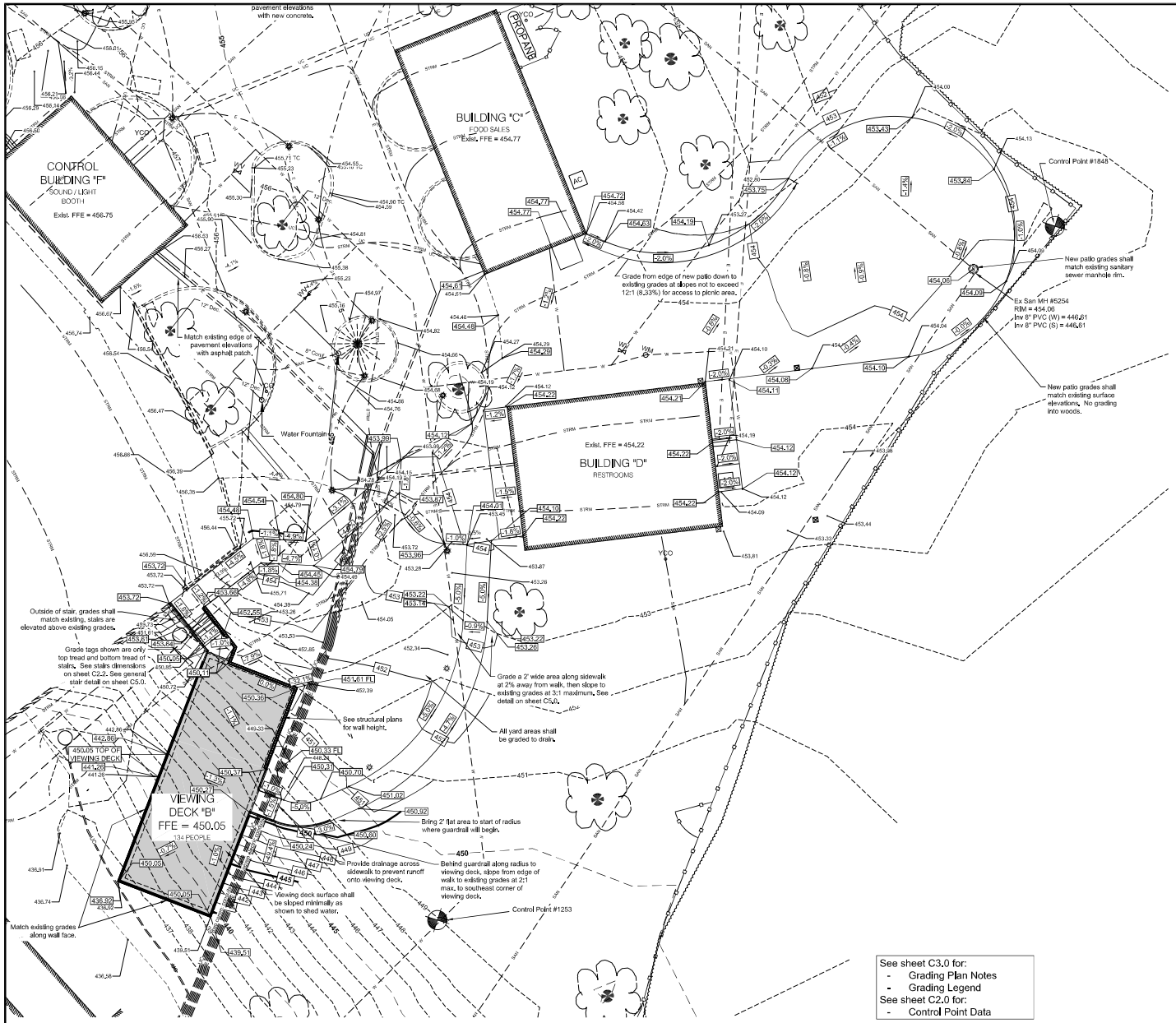
LDA PROJECT NO.: LA23102

SUR PROJECT NO.: ENG2403730319

SHEET NO.: C3.1

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STATE OF INDIANA
PROFESSIONAL ENGINEER
03-08-24

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LINCOLN AMPHITHEATRE

AMPHITHEATRE IMPROVEMENTS

LINCOLN CITY, INDIANA

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GRADING PLAN
AMPHITHEATRE AREA 2

SCALE: 1" = 10'

DATE: 03-08-24

UDA PROJECT NO.: LA23102

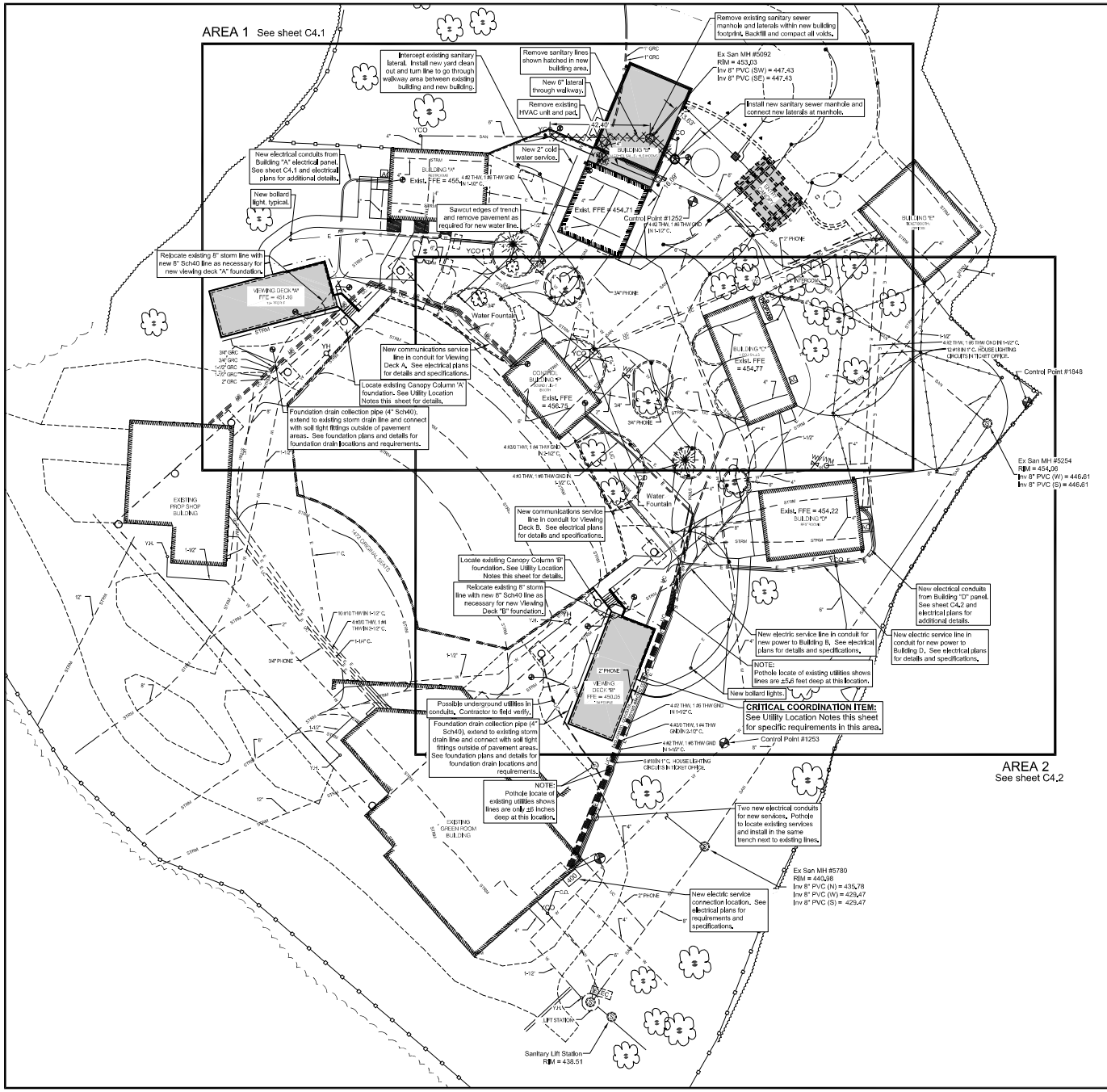
SUR PROJECT NO.: ENG2403730319

SHEET NO.: C3.2

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NO.	BY	DATE	REMARKS

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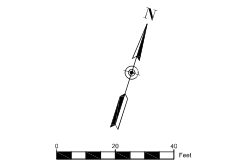


UTILITY LOCATION NOTES

1. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES IN WORK AREAS PRIOR TO BEGINNING CONSTRUCTION.
2. UTILITY LOCATIONS SHOWN ON THESE PLANS ARE BASED ON SURVEYED LOCATIONS OF AT GRADE VISIBLE ITEMS AS MUCH AS POSSIBLE. OTHER UNDERGROUND FACILITIES ARE SHOWN BASED ON ORIGINAL CONSTRUCTION PLANS FOR THE AMPHITHEATRE AREA.
3. POTHOLE LOCATES FOR DESIGN COORDINATION PURPOSES WERE ONLY COMPLETED AT AREAS SPECIFICALLY NOTED ON THE PLANS AS BEING POTHOLED.
4. UPON AWARD OF CONTRACT, CONTRACTOR IS REQUIRED TO LOCATE THE ELECTRICAL AND COMMUNICATIONS CONDUITS NEAR VIEWING DECK 'B' AND SHALL LOCATE THE FOUNDATIONS FOR NOTED EXISTING CANOPY COLUMNS 'A' AND 'B' AND SHALL NOTIFY ENGINEER OF LOCATIONS AND ELEVATIONS FOUND PRIOR TO BEGINNING ANY OTHER CONSTRUCTION.
5. IT IS DESIRED TO CONSTRUCT VIEWING DECK 'B' FOUNDATION AS CLOSE AS POSSIBLE TO THE EXISTING CONDUIT BANK. IT IS ALSO DESIRED FOR THE VIEWING DECKS 'A' AND 'B' TO BE SYMMETRICAL ON THE SITE. THEREFORE, IF FIELD LOCATES AND POTHOLES INDICATE THE VIEWING DECK 'B' SHOULD MOVE FROM LOCATION SHOWN, VIEWING DECK 'A' MAY ALSO MOVE.

GENERAL UTILITY PLAN NOTES

1. See sheet C3.0 for Grading Plan and compaction notes.
2. Where water lines and sewers cross and the water line cannot be placed above or below the sewer with a minimum of 18" vertical clearance, the sewer must be constructed of PVC ASTM-D 2241 (SDR21) with gasketed compression type joints or of water waste grade cast or ductile iron pipe with mechanical joints within ten feet of water lines.
3. Where water lines and sewers run parallel and a minimum separation distance of ten feet cannot be maintained, the sewer must be constructed of PVC ASTM-D-2241 (SDR21) with gasketed compression type joints or water works grade cast or ductile iron pipe with mechanical joints.
4. PVC sanitary sewer lateral lines be Sch40 (ASTM D1785) and shall meet the mandrel testing deflection standards of ASTM D-3034 and/or F679.
5. Sanitary sewer shall slope in accordance with Table 5 of Bulletin SE13, planning guide for private water supply and sewer, 1988 Edition, page 15.
6. Sanitary sewer shall have a minimum of 3' of cover.
7. Provide 42" of cover over water lines to provide protection from freezing.
8. Prime Subcontractors shall be responsible for trenching and backfilling property to the original subgrade. All backfill for utility lines under building, parking and drive areas shall be #53 stone and compacted in lifts of 9" maximum. All backfill for utility line in earth areas shall be earth fill and compacted in lifts of 9" maximum. Settlement shall not be accepted.
9. All storm piping outside of building shall be HDPE N-12 pipe with smooth inner wall or approved equal. All Storm piping under the building shall be PVC SCH 40, PVC SDR 21 or PVC SDR 26 or approved equal.
10. Downspout leaders may be dual wall N-12 HDPE from the trunk line to the point where the pipe turns up to the downspout. At that bend, the N-12 shall be coupled to a PVC pipe to extend above grade and connect to the downspout. Downspout leader receiving ends shall be sized such that the diameter of the receiving PVC pipe matches the maximum dimension of the downspout. All connections above grade shall be sealed watertight.



UTILITY LEGEND

- Existing Control Point
- Connection Point New to Existing
- Proposed Bollard Light
- Existing Bollard Light
- WM — Existing Water Meter
- WV — Existing Water Valve
- YH — Existing Yard Hydrant
- WV — Proposed Water Valve
- YCO — Existing Clean Out
- Existing Sanitary Sewer Manhole
- YCO — Proposed Yard Clean Out
- Existing Curb Inlet
- STRM — Existing Storm Sewer Main
- STRM — Proposed Storm Sewer Main
- Existing Flow Line
- Proposed Swale Flow Line
- SAN — Existing Sanitary Sewer Main
- SAN — Proposed Sanitary Sewer Main
- W — Proposed Water Line
- W — Existing Water Line
- E — Existing Underground Electric Line
- E — Proposed Underground Electric Line
- Proposed Overhead String Lights
- GAS — Existing Gas Line
- GAS — Proposed Gas Line
- UC — Existing Communications Line
- UC — Proposed Communications Line

See sheet C2.0 for:
- Control Point Data

See electrical, plumbing and HVAC sheets for additional information, specifications and requirements.

811 Know what's below. Call before you dig.

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Bethany Hope 03-08-24

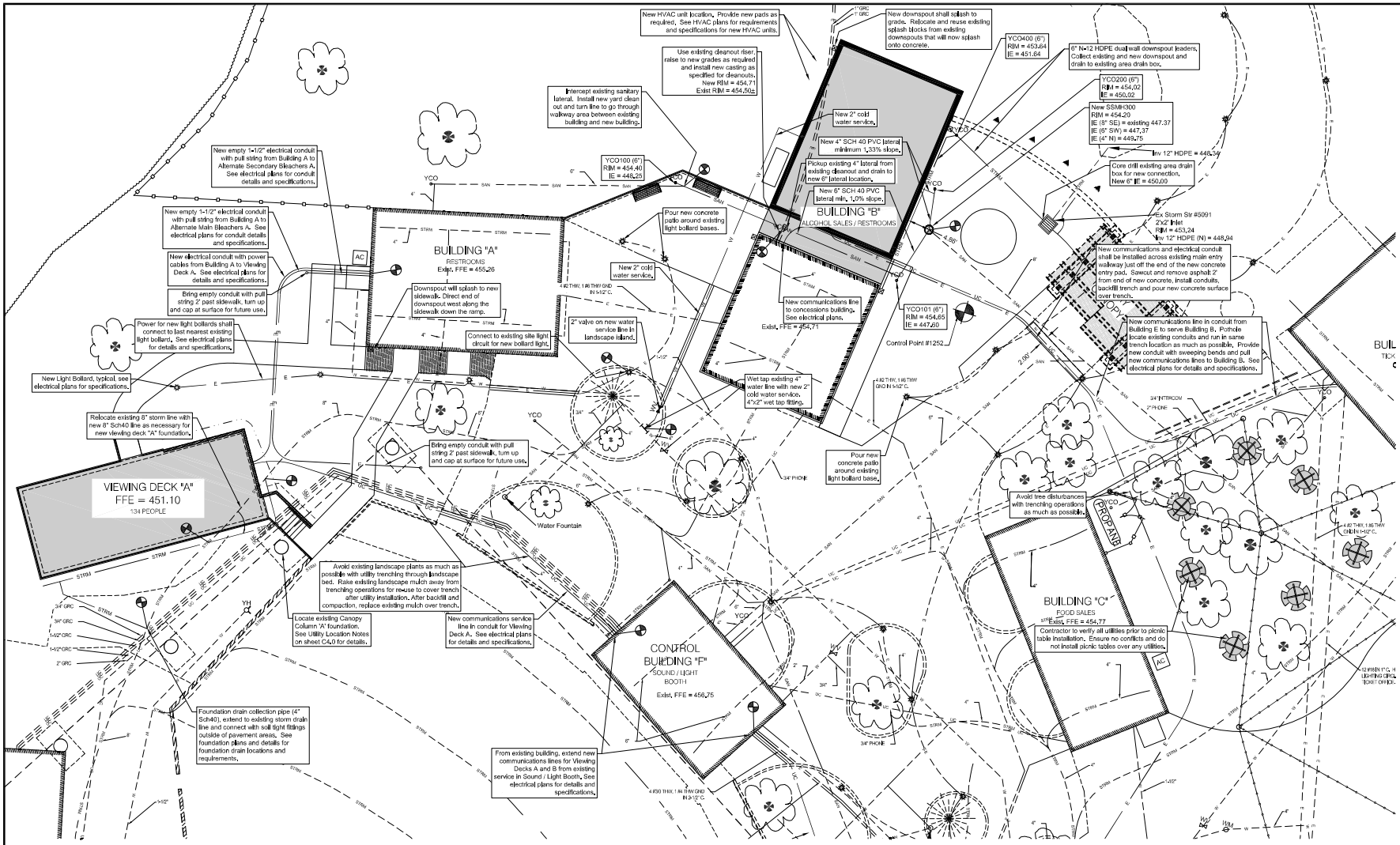
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LINCOLN CITY, INDIANA

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UTILITY PLAN
AMPHITHEATRE AREA OVERALL

SCALE 1" = 20'
DATE 03-08-24
LOCAL PROJECT NO. LA23102
SUR PROJECT NO. ENG240730319
SHEET NO. C4.0



See sheet C4.0 for:
- Utility Plan Notes
- Utility Legend

See sheet C2.0 for:
- Control Point Data

See electrical, plumbing and HVAC sheets for additional information, specifications and requirements.

N

0 10 20 Feet

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No.	Description	Date
1	Addendum #1	03-08-24

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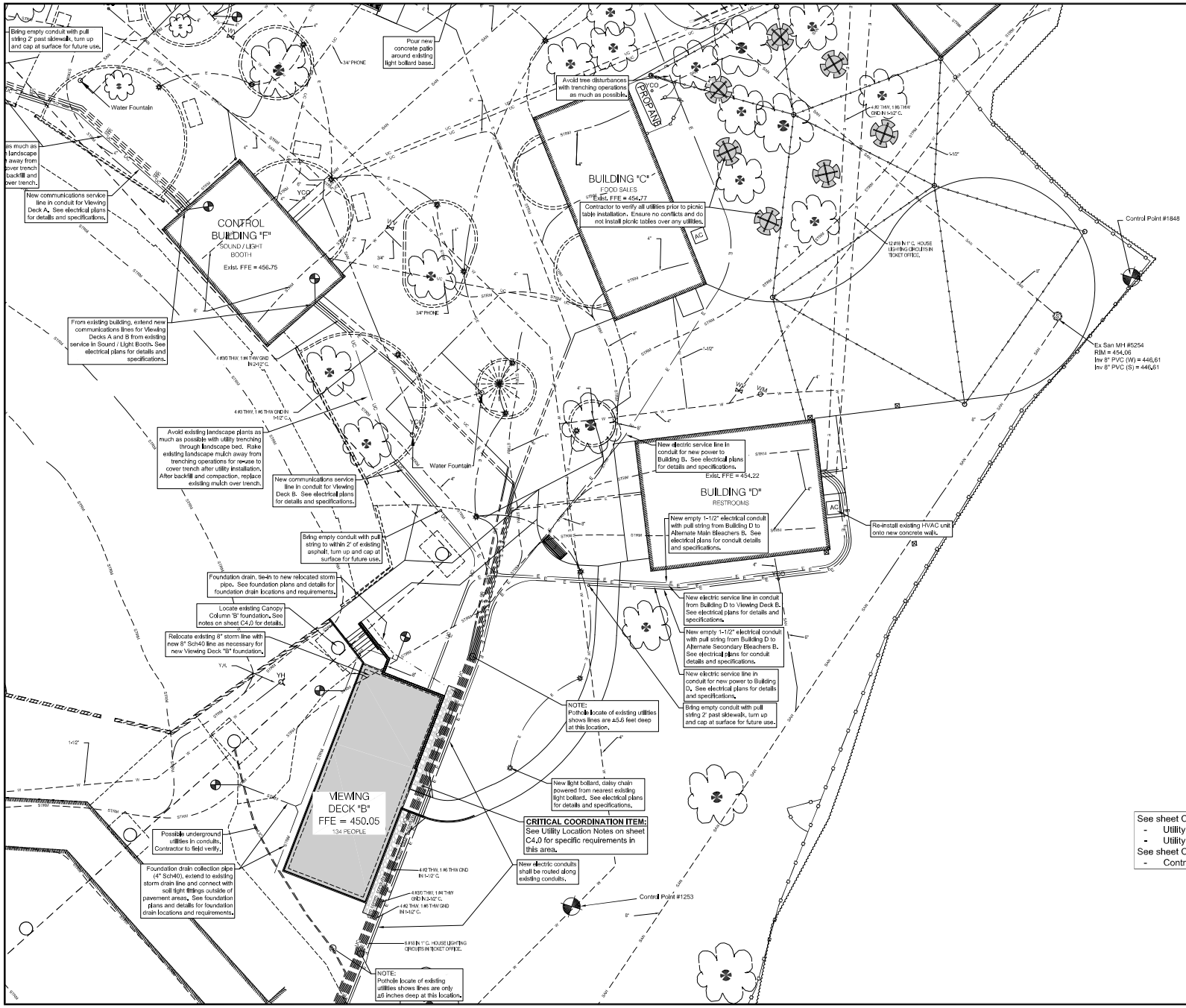
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UTILITY PLAN
AMPHITHEATRE AREA 1

SCALE: 1" = 10'
DATE: 03-08-24
UDA PROJECT NO.: LA23102
SUR PROJECT NO.: ENG240730319
SHEET NO.: C4.1



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UTILITY PLAN
AMPHITHEATRE AREA 2

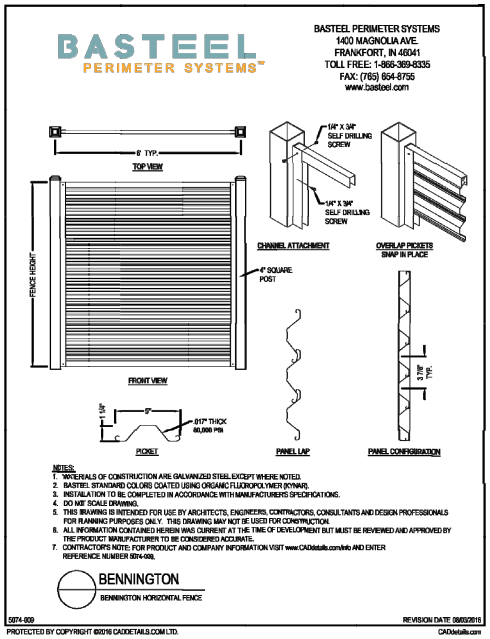
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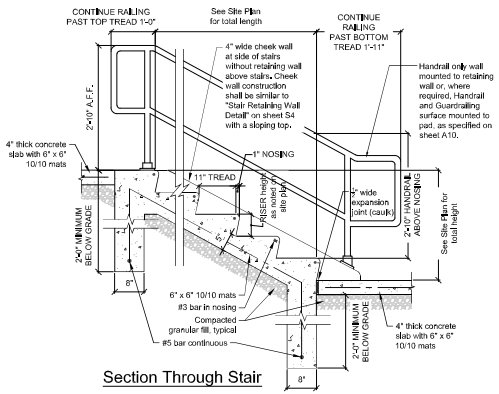
UDA PROJECT NO.: LA23102

SUR PROJECT NO.: ENG2403730319

SHEET NO.: C4.2

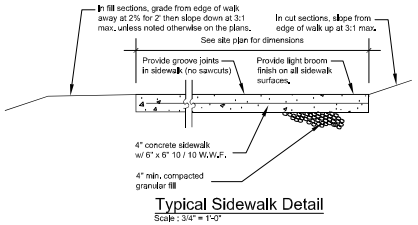


SCREEN FENCE Detail



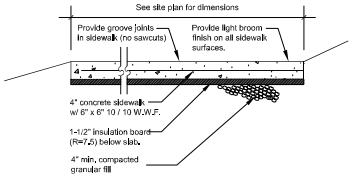
Section Through Stair

Scale: 3/4"= 1'-0"



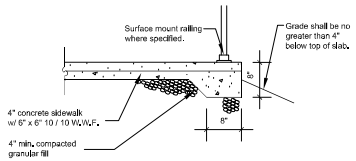
Typical Sidewalk Detail

Scale : 3/4" = 1'-0"



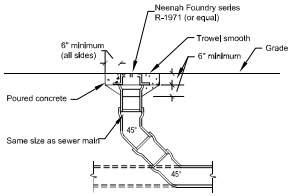
Sidewalk with Insulation Board Detail

Scale : 3/4" = 1'-0"



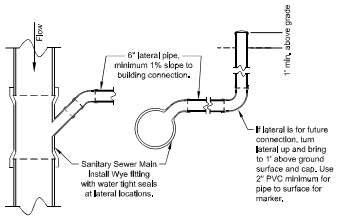
Thickened Slab Detail

Scale : 3/4" = 1'-0"



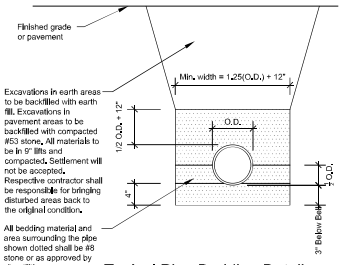
Yard Cleanout Detail

Not to Scale



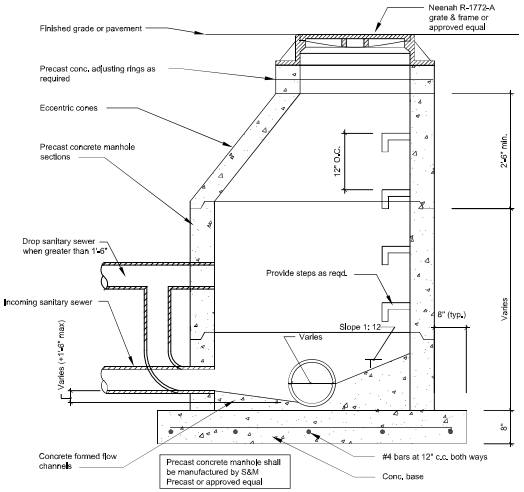
Typical Lateral Connection Detail

NOT TO SCALE



Typical Pipe Bedding Detail

Not to Scale



Sanitary Manhole Detail

NOT TO SCALE

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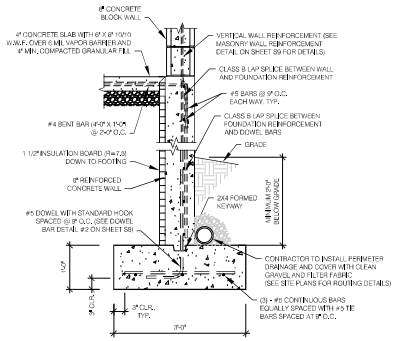
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AMPHITHEATRE IMPROVEMENTS
LINCOLN CITY, INDIANA

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SITE DETAILS

DATE: 03-08-24
SCALE: AS NOTED
LDA PROJECT NO.: LA23102
SUM PROJECT NO.: ENG2403730319
SHEET NO.: C5.0

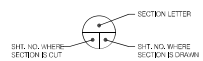


TYPICAL BUILDING B

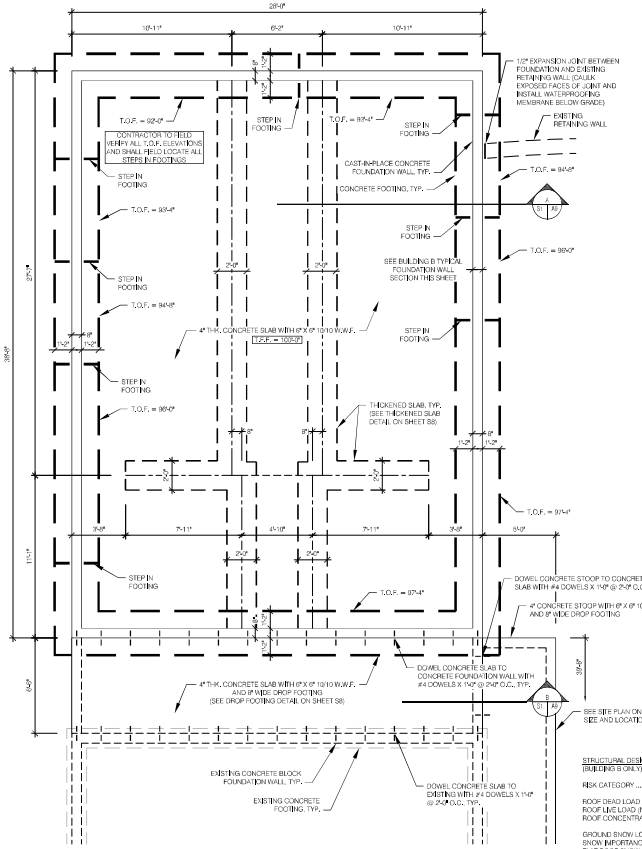
FOUNDATION WALL SECTION

SCALE: 3/4" = 1'-0"

SECTION CUT SYMBOL



DIMENSIONS ARE FROM OUTSIDE OF FOUNDATION WALL TO OUTSIDE OF FOUNDATION WALL, OR TO CENTER OF THICKENED SLAB (U.N.O.)



FOUNDATION PLAN - BUILDING B

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

BEAM SCHEDULE

B-1: (2) - No. 2 GRADE SOUTHERN PINE 2X8 WOOD BEAM (TREATED)

B-2: (3) - No. 2 GRADE SOUTHERN PINE 2X8 WOOD BEAM (TREATED)

HEADER SCHEDULE

H-1: 8"X 16" NOMINAL MASONRY LINTEL GROUTED SOLID WITH (1) - #4 BARS 2" FROM BOTTOM, 8" MINIMUM END BEARING (SEE TYPICAL MASONRY HEADER DETAIL ON SHEET S9)

NOTES:

1. SEE SHEET S11 FOR GENERAL NOTES.
2. SEE SHEET S8 FOR FOUNDATION NOTES AND DETAILS.
3. SEE SHEET S8 FOR CAST-IN-PLACE CONCRETE NOTES AND DETAILS.
4. SEE SHEET S9 FOR CONCRETE MASONRY NOTES AND DETAILS.
5. SEE SHEET S10 FOR WOOD FRAMING AND TRUSS NOTES AND DETAILS.
6. SEE SHEET S10 FOR STRUCTURAL WOOD CONNECTION DETAILS CORRESPONDING TO THE CONNECTION LABEL (WC-X-X) SHOWN IN PLAN.
7. ABBREVIATIONS:
   A.F.F. = ABOVE FINISHED FLOOR
   O.C. = ON CENTER
   O.H. = OVERHANG
   T.O.F. = TOP OF FINISHED FLOOR
   T.O.F. = TOP OF FOOTING
   U.N.O. = UNLESS NOTED OTHERWISE
   W.W.F. = WELDED WIRE FABRIC

WALL HATCHING KEY
- LOAD BEARING WALL
- SHEAR WALL/LOAD BEARING WALL

STRUCTURAL DESIGN PARAMETERS:
(BUILDING B ONLY)

RISK CATEGORY ..... "II"

ROOF DEAD LOAD ..... "20 PSF"
ROOF LIVE LOAD (NON-REDUCIBLE) ..... "20 PSF"
ROOF CONCENTRATED LIVE LOAD ..... "300 LBS"

GROUND SNOW LOAD ..... "20 PSF"
SNOW IMPORTANCE FACTOR (I$_s$) ..... "1.0"
FLAT ROOF SNOW LOAD ..... "14.4 PSF"
SNOW EXPOSURE FACTOR (C$_e$) ..... "1.0"
THERMAL FACTOR (C$_t$) ..... "1.1"

WIND DESIGN:

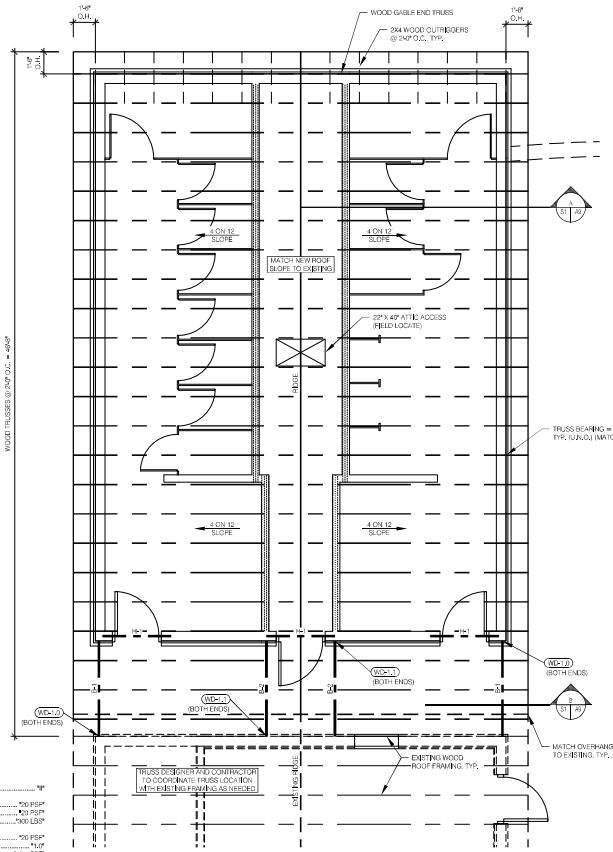
BASIC WIND SPEED ..... "115 MPH"
EXPOSURE CATEGORY ..... "B"

SEISMIC DESIGN:

SITE CLASS ..... "C"
S_s ..... "0.399"
S_1 ..... "0.158"
S_{DS} ..... "0.319"
S_{D1} ..... "0.175"

SEISMIC DESIGN CATEGORY ..... "C"
SEISMIC IMPORTANCE FACTOR (I$_e$) ..... "1.0"
ANALYSIS PROCEDURE ..... "EQUIVALENT LATERAL FORCE"

BASIC SEISMIC FORCE RESISTING SYSTEM:
INTERMEDIATE REINFORCED MASONRY SHEAR WALLS
RESPONSE MODIFICATION FACTOR (R) ..... "3.5"
SEISMIC RESPONSE COEFFICIENT (C$_s$) ..... "0.091"



ROOF FRAMING PLAN - BUILDING B

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



3-8-24

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BY	REMARKS	DATE
		0 1" 1 1/2" 2"

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Universal DESIGN ASSOCIATES INC.

LINCOLN AMPHITHEATRE

AMPHITHEATRE IMPROVEMENTS

LINCOLN CITY, INDIANA

DRAWN	CHECKED	APPROVED
SCB	SCB	SCB

FOUNDATION AND FRAMING PLANS – BUILDING B

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

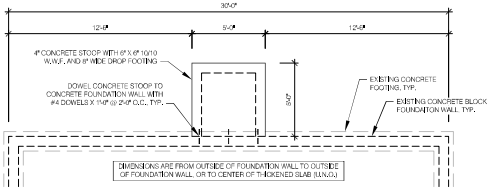
DATE: 3-8-24

UDA PROJECT NO.: LA23102

SITE PROJECT NO.: ENG2403703019

DRILL NO.: S1

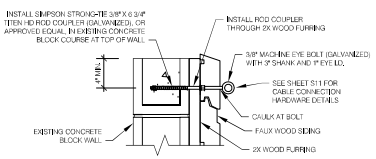
ALTERNATE BID #2



FOUNDATION PLAN - BUILDING D

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

BASE BID



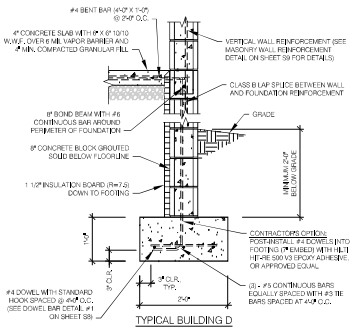
EXTERIOR LIGHTING WALL ANCHOR DETAIL

NOT TO SCALE

NOTES:

1. SEE SHEET S11 FOR GENERAL NOTES.
2. SEE SHEET S8 FOR FOUNDATION NOTES AND DETAILS.
3. SEE SHEET S8 FOR CAST-IN-PLACE CONCRETE NOTES AND DETAILS.
4. SEE SHEET S9 FOR CONCRETE MASONRY NOTES AND DETAILS.
5. SEE SHEET S10 FOR WOOD FRAMING AND TRUSS NOTES AND DETAILS.
6. SEE SHEET S10 FOR STRUCTURAL WOOD CONNECTION DETAILS CORRESPONDING TO THE CONNECTION LABEL (W2+C) SHOWN IN PLAN.
7. ABBREVIATIONS:
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   U.N.O. = UNLESS NOTED OTHERWISE
   W.W.F. = WELDED WIRE FABRIC

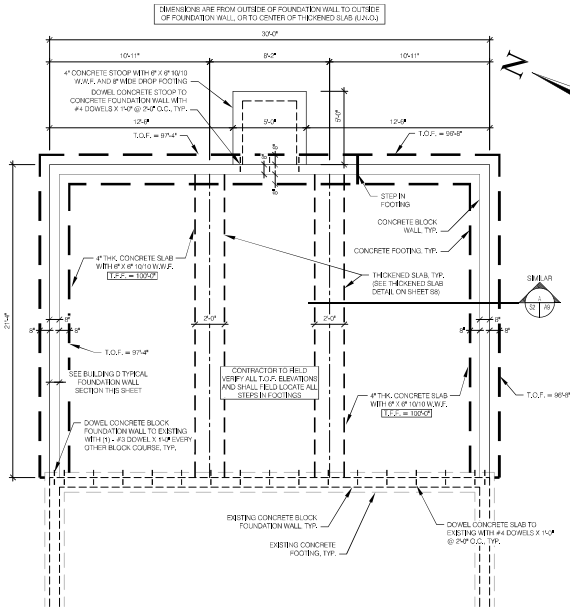
WALL HATCHING KEY
- LOAD BEARING WALL
- SHEAR WALL/LOAD BEARING WALL



TYPICAL BUILDING D

FOUNDATION WALL SECTION

SCALES: 3/4" = 1'-0"



FOUNDATION PLAN - BUILDING D

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

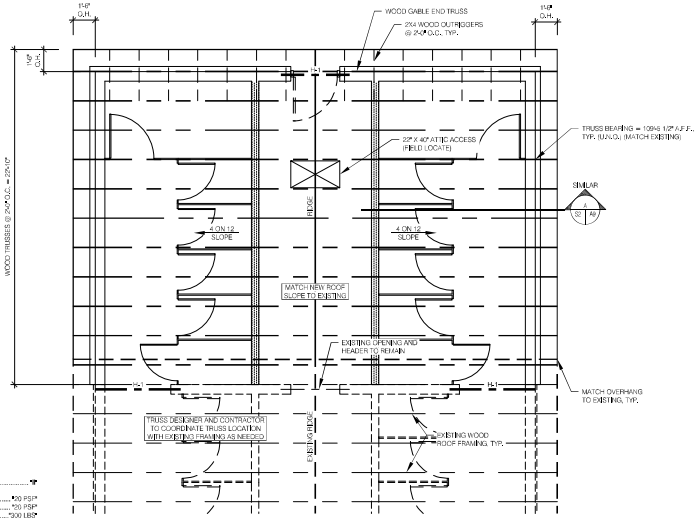
BEAM SCHEDULE

B-1: (2) - No. 2 GRADE SOUTHERN PINE 2X8 WOOD BEAM (TREATED)

B-2: (3) - No. 2 GRADE SOUTHERN PINE 2X8 WOOD BEAM (TREATED)

HEADER SCHEDULE

H-1: 8" X 16" NOMINAL MASONRY LINTEL GROUTED SOLID WITH (1) - #4 BARS 2" FROM BOTTOM, MINIMUM END BEARING (SEE TYPICAL MASONRY HEADER DETAIL ON SHEET S9)



ROOF FRAMING PLAN - BUILDING D

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

STRUCTURAL DESIGN PARAMETERS:
(BUILDING D ONLY)

RISK CATEGORY ..... "II"

ROOF DEAD LOAD ..... "20 PSF"
ROOF LIVE LOAD (NON-REDUCIBLE) ..... "30 PSF"
ROOF CONCENTRATED LIVE LOAD ..... "300 LBS"

GROUND SNOW LOAD ..... "30 PSF"
SNOW IMPORTANCE FACTOR (I$_s$) ..... "1.0"
FLAT ROOF SNOW LOAD ..... "15.4 PSF"
SNOW EXPOSURE FACTOR (C_e) ..... "1.0"
THERMAL FACTOR (C_t) ..... "1.1"

WIND DESIGN:

BASIC WIND SPEED ..... "115 MPH"
EXPOSURE CATEGORY ..... "B"

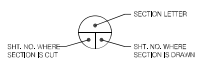
SEISMIC DESIGN:

SITE CLASS ..... "C"
S_s ..... "0.266"
S_1 ..... "0.168"
S_{DS} ..... "0.319"
S_{D1} ..... "0.170"

SEISMIC DESIGN CATEGORY ..... "C"
SEISMIC IMPORTANCE FACTOR (I_E) ..... "1.0"
ANALYSIS PROCEDURE ..... "EQUIVALENT LATERAL FORCE"

BASIC SEISMIC FORCE RESISTING SYSTEM:
INTERMEDIATE REINFORCED MASONRY SHEAR WALLS
RESPONSE MODIFICATION FACTOR (R) ..... "3.5"
SEISMIC RESPONSE COEFFICIENT (C_S) ..... "0.091"

SECTION CUT SYMBOL





3-8-24

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BY	REVISIONS	DATE

LINCOLN AMPHITHEATRE

AMPHITHEATRE IMPROVEMENTS

LINCOLN CITY, INDIANA

DRAWN	CHECKED	APPROVED
SCB	SCB	SCB

FOUNDATION AND FRAMING PLANS - BUILDING D

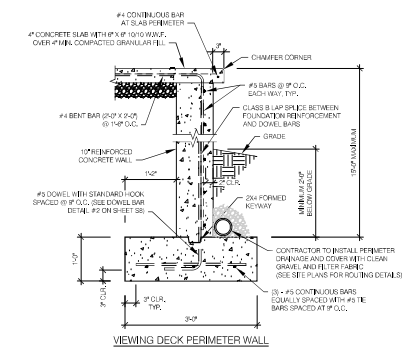
SCALE: 1/4" = 1'-0"

DATE: 3-8-24

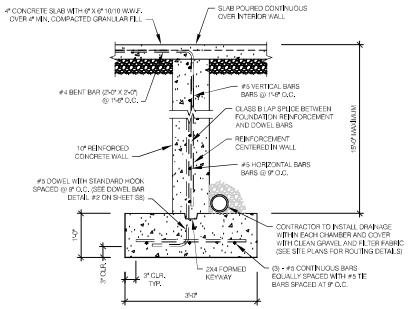
UDA PROJECT NO.: LA23102

SITE PROJECT NO.: ENG2403730319

DRAWING NO.: S2



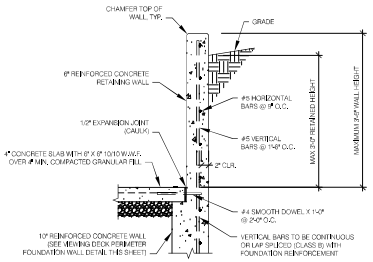
VIEWING DECK PERIMETER WALL



VIEWING DECK INTERIOR WALL

FOUNDATION WALL SECTIONS

SCALE: 3/4" = 1'-0"

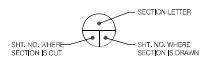


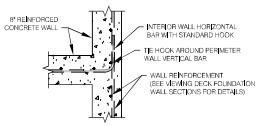
VIEWING DECK RETAINING WALL

CONCRETE WALL SECTION

SCALE: 3/4" = 1'-0"

SECTION CUT SYMBOL





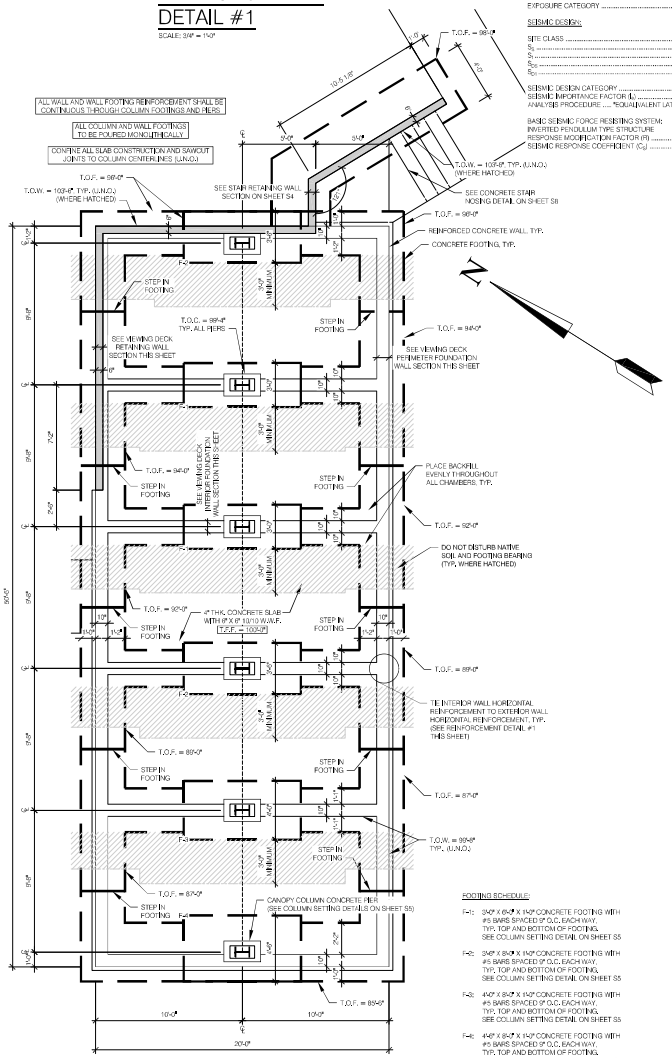
REINFORCEMENT DETAIL #1

SCALE: 3/4" = 1'-0"

ALL WALL AND WALL FOOTING REINFORCEMENT SHALL BE CONTINUOUS THROUGH COLUMN FOOTINGS AND PIERS.

ALL COLUMN AND WALL FOOTINGS TO BE POURED MONOLITHICALLY.

CONFINE ALL SLAB CONSTRUCTION AND SAWCUT JOINTS TO COLUMN CENTERLINES (U.N.O.)



FOUNDATION PLAN - VIEWING DECK A

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

FOOTING SCHEDULE:

F-1: 3'-0" X 6'-0" X 1'-0" CONCRETE FOOTING WITH #5 BARS SPACED 9" O.C. EACH WAY, TYP. TOP AND BOTTOM OF FOOTING. SEE COLUMN SETTING DETAIL ON SHEET S5

F-2: 5'-0" X 8'-0" X 1'-0" CONCRETE FOOTING WITH #5 BARS SPACED 9" O.C. EACH WAY, TYP. TOP AND BOTTOM OF FOOTING. SEE COLUMN SETTING DETAIL ON SHEET S5

F-3: 4'-0" X 8'-0" X 1'-0" CONCRETE FOOTING WITH #5 BARS SPACED 9" O.C. EACH WAY, TYP. TOP AND BOTTOM OF FOOTING. SEE COLUMN SETTING DETAIL ON SHEET S5

F-4: 4'-0" X 6'-0" X 1'-0" CONCRETE FOOTING WITH #5 BARS SPACED 9" O.C. EACH WAY, TYP. TOP AND BOTTOM OF FOOTING. SEE COLUMN SETTING DETAIL ON SHEET S5

STRUCTURAL DESIGN PARAMETERS:
(VIEWING DECK ONLY)

RISK CATEGORY ..... "II"

ROOF DEAD LOAD ..... "15 PSF"
ROOF LIVE LOAD (NON-REDUCIBLE) ..... "20 PSF"
ROOF CONCENTRATED LIVE LOAD ..... "300 LBS"

GROUND SNOW LOAD ..... "30 PSF"
SNOW IMPORTANCE FACTOR (I_s) ..... "1.0"
FLAT ROOF SNOW LOAD ..... "30.8 PSF"
SNOW EXPOSURE FACTOR (C_e) ..... "1.0"
THERMAL FACTOR (C_t) ..... "1.2"

WIND DESIGN:

BASIC WIND SPEED ..... "115 MPH"
EXPOSURE CATEGORY ..... "B"

SEISMIC DESIGN:

SITE CLASS ..... "D"
S_S ..... "0.389"
S_1 ..... "0.108"
S_{DS} ..... "0.319"
S_{D1} ..... "0.173"

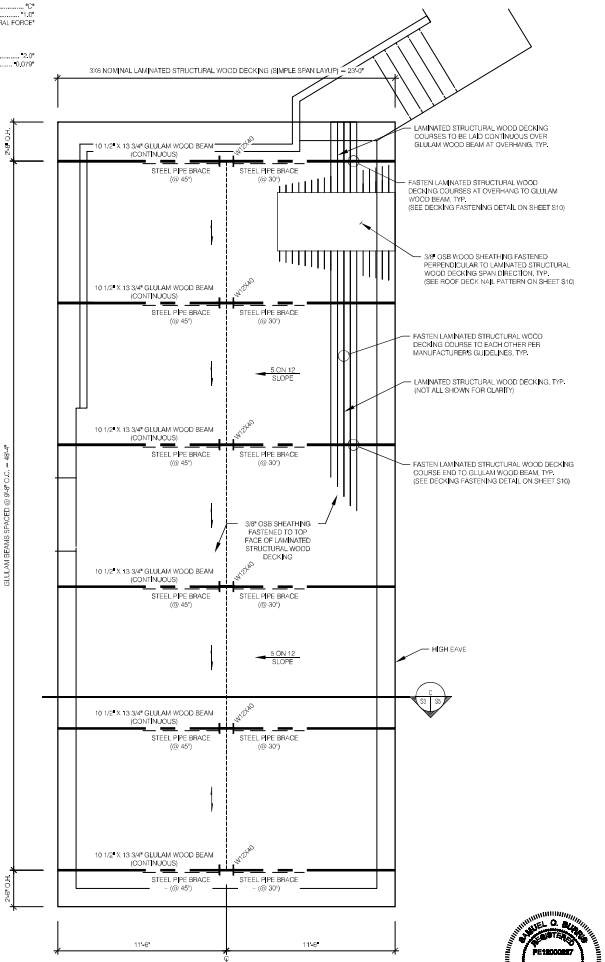
SEISMIC DESIGN CATEGORY ..... "C"
SEISMIC IMPORTANCE FACTOR (I_e) ..... "1.0"
ANALYSIS PROCEDURE ..... "EQUIVALENT LATERAL FORCE"

BASIC SEISMIC FORCE RESISTING SYSTEM:
INVERTED PENDULUM TYPE STRUCTURE
RESPONSE MODIFICATION FACTOR (R) ..... "2.0"
SEISMIC RESPONSE COEFFICIENT (C_S) ..... "0.079"

NOTES:

1. SEE SHEET S11 FOR GENERAL NOTES.
2. SEE SHEET S5 FOR FOUNDATION NOTES AND DETAILS.
3. SEE SHEET S5 FOR CAST-IN-PLACE CONCRETE NOTES AND DETAILS.
4. SEE SHEET S5 FOR GLUE-LAMINATED TIMBER NOTES AND DETAILS.
5. SEE SHEET S5 FOR LAMINATED STRUCTURAL WOOD DECKING NOTES AND DETAILS.
6. SEE SHEET S11 FOR STRUCTURAL STEEL NOTES AND DETAILS.
7. ABBREVIATIONS:
   O.C. = ON CENTER
   O.H. = OVERHANG
   T.O.F. = TOP OF FINISHED FLOOR
   T.O.C. = TOP OF CONCRETE
   T.O.F. = TOP OF FOOTING
   T.O.W. = TOP OF WALL
   U.N.O. = UNLESS NOTED OTHERWISE
   W.W.F. = WELDED WIRE FABRIC

= ROOF DECK SPAN DIRECTION



FRAMING PLAN - VIEWING DECK A

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



3-8-24

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NO.	REMARKS	DATE
1	ADDENDUM #1	8-14-24
2	ADDENDUM #2	8-21-24

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LINCOLN AMPHITHEATRE

AMPHITHEATRE IMPROVEMENTS

LINCOLN CITY, INDIANA

DRAWN: SCB
CHECKED: SCB
APPROVED: SCB

FOUNDATION AND FRAMING PLANS - VIEWING DECK A

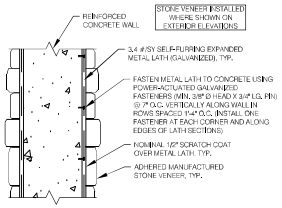
SCALE: 1/4" = 1'-0"

DATE: 3-8-24

UDA PROJECT NO.: LA23102

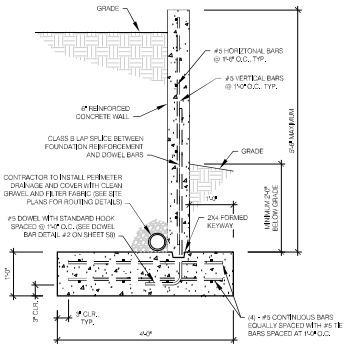
SITE PROJECT NO.: ENG2403730319

DRILL NO.: S3



ADHERED STONE VENEER ON CONCRETE WALL DETAIL

NOT TO SCALE

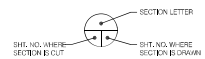


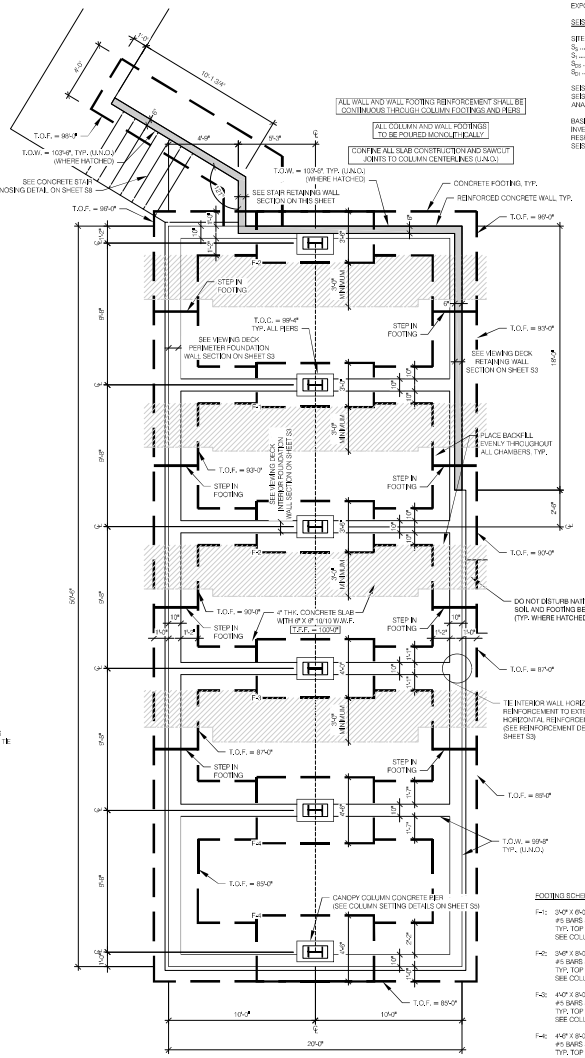
STAIR RETAINING WALL

FOUNDATION WALL SECTION

SCALE: 3/4" = 1'-0"

SECTION CUT SYMBOL





FOUNDATION PLAN - VIEWING DECK B

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

FOOTING SCHEDULE:

F-1: 3'-0" X 6'-0" X 1'-0" CONCRETE FOOTING WITH #5 BARS SPACED 9" O.C. EACH WAY, TYP. TOP AND BOTTOM OF FOOTING. SEE COLUMN SETTING DETAIL ON SHEET S5

F-2: 5'-0" X 8'-0" X 1'-0" CONCRETE FOOTING WITH #5 BARS SPACED 9" O.C. EACH WAY, TYP. TOP AND BOTTOM OF FOOTING. SEE COLUMN SETTING DETAIL ON SHEET S5

F-3: 4'-0" X 8'-0" X 1'-0" CONCRETE FOOTING WITH #5 BARS SPACED 9" O.C. EACH WAY, TYP. TOP AND BOTTOM OF FOOTING. SEE COLUMN SETTING DETAIL ON SHEET S5

F-4: 4'-0" X 6'-0" X 1'-0" CONCRETE FOOTING WITH #5 BARS SPACED 9" O.C. EACH WAY, TYP. TOP AND BOTTOM OF FOOTING. SEE COLUMN SETTING DETAIL ON SHEET S5

STRUCTURAL DESIGN PARAMETERS:
(MEWING DECK ONLY)

RISK CATEGORY ..... "II"

ROOF DEAD LOAD ..... "15 PSF"
ROOF LIVE LOAD (NON-REDUCIBLE) ..... "20 PSF"
ROOF CONCENTRATED LIVE LOAD ..... "300 LBS"

GROUND SNOW LOAD ..... "20 PSF"
SNOW IMPORTANCE FACTOR (I_s) ..... "1.0"
FLAT ROOF SNOW LOAD ..... "16.8 PSF"
SNOW EXPOSURE FACTOR (C_e) ..... "1.0"
THERMAL FACTOR (C_t) ..... "1.2"

WIND DESIGN:

BASIC WIND SPEED ..... "115 MPH"
EXPOSURE CATEGORY ..... "B"

SEISMIC DESIGN:

SITE CLASS ..... "C"
S_s ..... "0.390"
S_1 ..... "0.136"
S_{DS} ..... "0.319"
S_{D1} ..... "0.173"

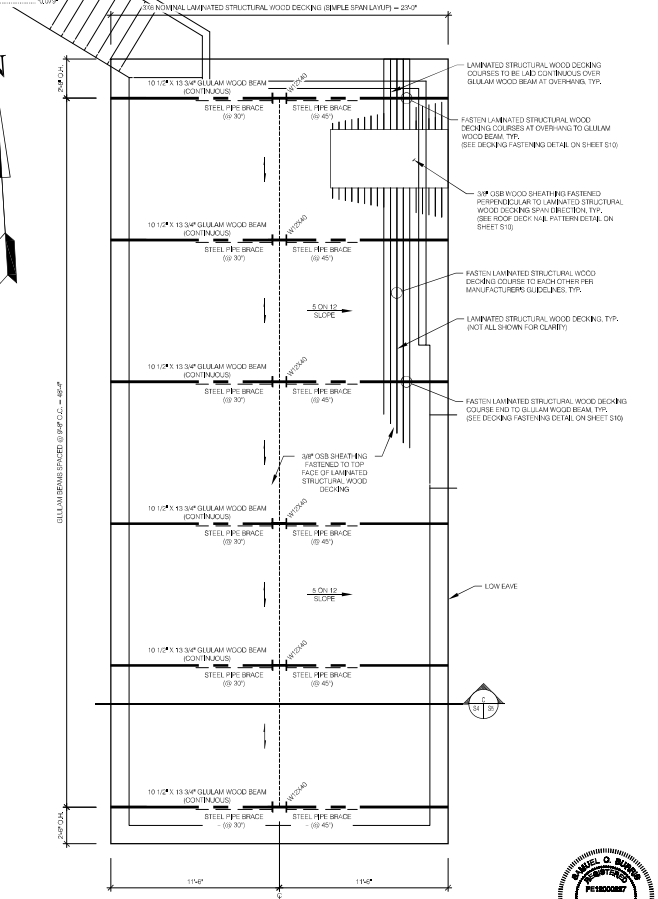
SEISMIC DESIGN CATEGORY ..... "C"
SEISMIC IMPORTANCE FACTOR (I) ..... "1.0"
ANALYSIS PROCEDURE ..... "EQUALIVALENT LATERAL FORCE"

BASIC SEISMIC FORCE RESISTING SYSTEM:
INVERTED PENDULUM TYPE STRUCTURE
RESPONSE MODIFICATION FACTOR (R) ..... "2.0"
SEISMIC RESPONSE COEFFICIENT (C_s) ..... "0.079"

NOTES:

1. SEE SHEET S11 FOR GENERAL NOTES.
2. SEE SHEET S5 FOR FOUNDATION NOTES AND DETAILS.
3. SEE SHEET S5 FOR CAST-IN-PLACE CONCRETE NOTES AND DETAILS.
4. SEE SHEET S5 FOR GLUE-LAMINATED TIMBER NOTES AND DETAILS.
5. SEE SHEET S5 FOR LAMINATED STRUCTURAL WOOD DECKING NOTES AND DETAILS.
6. SEE SHEET S11 FOR STRUCTURAL STEEL NOTES AND DETAILS.
7. ABBREVIATIONS:
   O.C. = ON CENTER
   O.H. = OVERHANG
   T.O.F. = TOP OF FINISHED FLOOR
   T.O.C. = TOP OF CONCRETE
   T.O.F. = TOP OF FOOTING
   T.O.W. = TOP OF WALL
   U.N.O. = UNLESS NOTED OTHERWISE
   W.W.F. = WELDED WIRE FABRIC

= ROOF DECK SPAN DIRECTION



FRAMING PLAN - VIEWING DECK B

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

SAMUEL C. BUSH — REGISTERED — PE19000887 — STATE OF INDIANA — PROFESSIONAL ENGINEER

3-8-24

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NO.	REVISIONS	DATE

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LINCOLN CITY, INDIANA

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SCB	SCB	SCB

FOUNDATION AND FRAMING PLANS - VIEWING DECK B

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

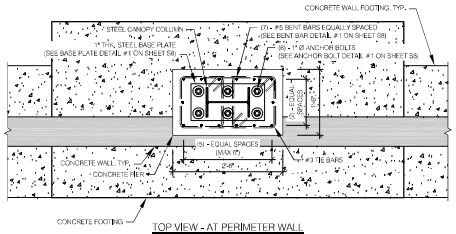
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UDA PROJECT NO.: LA23102

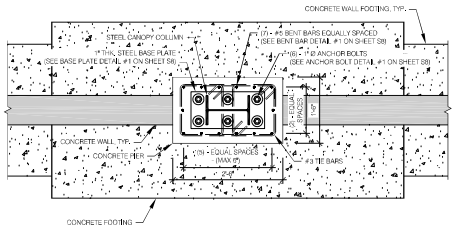
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DRILL NO.:

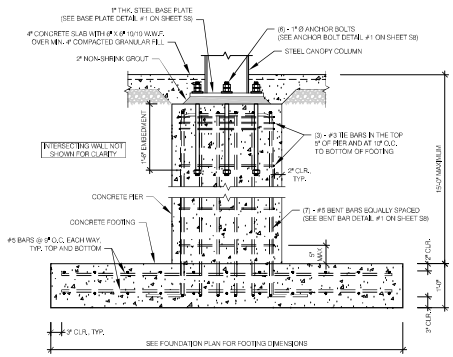
SHEET NO.: S4



TOP VIEW - AT PERIMETER WALL



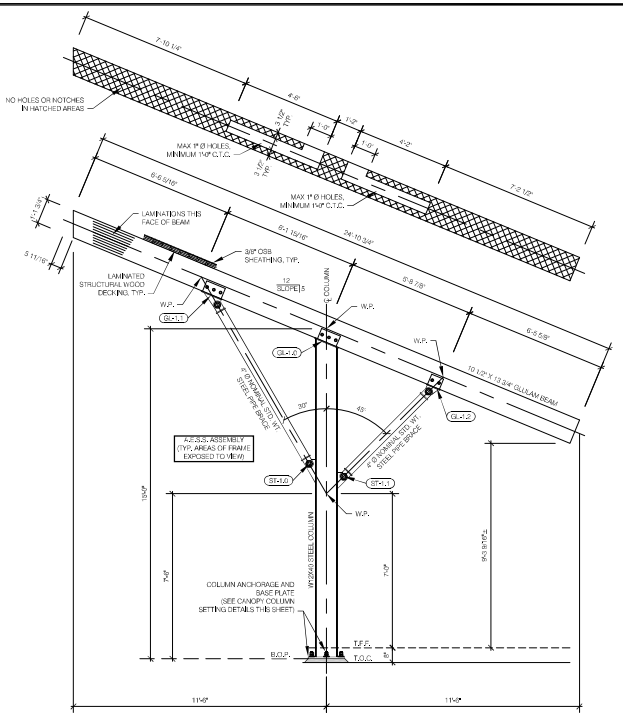
TOP VIEW - AT INTERIOR WALL



FRONT VIEW - TYPICAL

COLUMN SETTING DETAIL

SCALE: 3/4" = 1'-0"



C SECTION

A6, A7, S3, S4, S5 SCALE: 3/8" = 1'-0"

NOTES:

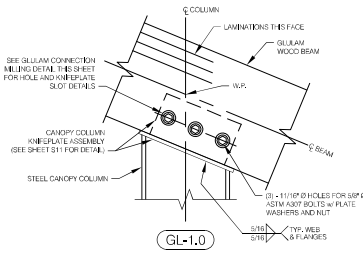
1. SEE SHEET S11 FOR GENERAL NOTES.
2. SEE SHEET S8 FOR FOUNDATION NOTES AND DETAILS.
3. SEE SHEET S9 FOR CAST-IN-PLACE CONCRETE NOTES AND DETAILS.
4. SEE THIS SHEET FOR GLULAM TIMBER WOOD CONNECTION DETAILS CORRESPONDING TO THE CONNECTION LABEL (GL-X.X) SHOWN.
5. SEE SHEET S11 FOR STRUCTURAL STEEL NOTES AND CONNECTION DETAILS CORRESPONDING TO THE CONNECTION LABEL (ST-X.X) SHOWN.
6. ABBREVIATIONS:
   A.E.S.S. = ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
   B.O.P. = BOTTOM OF BASE PLATE
   C.L. = CL OR CENTER
   T.F.F. = TOP OF FINISHED FLOOR
   T.O.C. = TOP OF CONCRETE
   U.N.O. = UNLESS NOTED OTHERWISE
   W.P. = WORK POINT

GLUED-LAMINATED TIMBER NOTES:

1. ALL STRUCTURAL GLUED-LAMINATED (GLULAM) TIMBER SHALL MEET ANSI A190.1 AND ANSI 117 REQUIREMENTS.
2. ALL GLULAM TIMBER SHALL BE FACTORY MARKED WITH AITC QUALITY MARK OR APA-EWS TRADEMARK. ENSURE ALL STAMPS ARE NOT VISIBLE AFTER ERECTION.
3. ALL GLULAM TIMBER SHALL BE COMPRISED OF SOLID LUMBER LAMINATIONS USING WET-USE ADHESIVES MEETING ANSI A190.1 REQUIREMENTS.
4. ALL GLULAM TIMBER SHALL BE SOUTHERN PINE (24F-1.8E, VR LAYUP) PREMIUM APPEARANCE GRADE PER AITC 110 AND TREATED FOR OUTDOOR ABOVE-GRADE EXPOSURE PER AWPA U1 (UA2). ALL TIMBERS TO BE PRE-FINISHED WITH STAIN (SWS COLOR 2304M, OR APPROVED EQUAL).
5. ALL STRUCTURAL GLULAM MEMBERS SHALL BE MILLED, CUT, HOLES DRILLED AND COUNTERBORED, AND PRE-FINISHED AS NOTED ON PROJECT DRAWINGS PRIOR TO SHIPMENT TO THE SITE. INDIVIDUAL MEMBERS SHALL BE FIT IN THE SHOP AND PIECE MARKED. ALL PIECE MARKINGS SHALL NOT BE VISIBLE AFTER ERECTION.
6. ALL GLULAM TIMBER SIZES LISTED WITHIN THE PROJECT DRAWINGS ARE ACTUAL (U.N.O.). THE ENGINEER SHALL BE NOTIFIED IF ACTUAL DIMENSIONS WILL DIFFER.
7. ALL BOLTS IN GLULAM STRUCTURAL FRAMING SHALL BE ASTM A307 HEX BOLTS WITH ASTM A563 HEX NUTS WITH PLATE WASHERS (5/16" THK. x 1 1/2" O.D. X 11/16" I.D.) UNDER BOLT HEAD AND NUT (U.N.O.). ALL BOLTS AND NUTS SHALL BE HOT-DIPPED GALVANIZED (PER ASTM A153) AND ALL PLATE WASHERS SHALL BE COATED PER A.E.S.S. COATING REQUIREMENTS (SEE SHEET S11 FOR DETAILS). ALL CONNECTIONS ARE BEARING TYPE AND SHALL USE STANDARD SIZE HOLES.
8. THE GLULAM TIMBER SUPPLIER SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL BEFORE MILLING AND FABRICATION BEGINS. THE TIMBER SUPPLIER IS RESPONSIBLE FOR REVIEWING ALL MEMBER SIZES AND CONNECTIONS FOR GENERAL EFFICACY AND TO ENSURE PROPER EDGE/END DISTANCES AND FIT-UP CLEARANCES ARE PROVIDED. CONTACT THE ENGINEER WITH ANY ISSUES OR DISCREPANCIES.
9. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING ALL STRUCTURAL DETAILS TO DETERMINE FRAME FIELD ASSEMBLY BASED ON ACCESS OF FASTENERS FOR ALL CONNECTIONS. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL NECESSARY TEMPORARY BRACING AND SUPPORT DURING ERECTION. THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE OR SCAR FACES OF THE GLULAM TIMBER MEMBERS THAT SHALL BE VISIBLE AFTER ERECTION.
10. CONTRACTOR(S) SHALL MAKE NO HOLES, PENETRATIONS, NOTCHES, OR CUTS IN GLULAM TIMBER WITHOUT EXPRESSED PERMISSION FROM THE ENGINEER AND ARCHITECT.

LAMINATED STRUCTURAL WOOD DECKING:

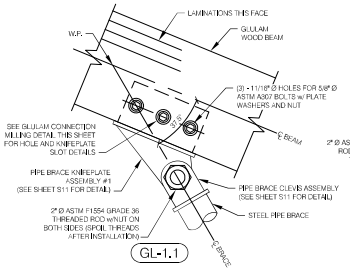
1. ALL LAMINATED STRUCTURAL WOOD DECKING SHALL MEET ANSI A190.1 AND ANSI 117 REQUIREMENTS.
2. ALL LAMINATED STRUCTURAL WOOD DECKING SHALL BE FACTORY MARKED WITH AITC QUALITY MARK OR APA-EWS TRADEMARK. ENSURE ALL STAMPS ARE NOT VISIBLE AFTER ERECTION.
3. ALL LAMINATED STRUCTURAL WOOD DECKING SHALL BE COMPRISED OF SOLID LUMBER LAMINATIONS USING WET-USE ADHESIVES MEETING ANSI A190.1 REQUIREMENTS.
4. ALL LAMINATED STRUCTURAL WOOD DECKING SHALL BE LOCK-DECK LAMINATED DECKING AS MANUFACTURED BY DESCHO LUMBER COMPANY, OR APPROVED EQUAL:
   - SIZE: 3X6 NOMINAL (2 5/16" X 5 1/4")
   - SPECIES: SOUTHERN PINE (SYP/HF/H-1.8E) TREATED FOR OUTDOOR ABOVE-GRADE EXPOSURE PER AWPA U1
   - APPEARANCE GRADE: DECORATIVE (PER DESCHO); ARCHITECTURAL (PER AITC 110)
   - EDGE PATTERN: STANDARD V-EE
   - SURFACE TEXTURE: SMOOTH SANDED
   - FACTORY FINISH: STAIN (SWS COLOR 2304M, OR APPROVED EQUAL)
5. FOLLOW ALL DECKING MANUFACTURER'S GUIDELINES REGARDING HANDLING AND INSTALLATION.
6. ALL LAMINATED STRUCTURAL WOOD DECKING SHALL BE LAID IN A SIMPLE SPAN PATTERN (U.N.O.). THE DECKING MANUFACTURER SHALL REVIEW THE PROJECT FRAMING PLANS AND PROVIDE PROJECT SPECIFIC DECKING LAYOUT AND FASTENING DETAILS. SUBMIT ALL LAYOUTS, DETAILS, AND DATASHEETS TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION.
7. DECKING INSTALLATION AND FASTENING SHALL BE INSPECTED BY THE ENGINEER OR 3RD PARTY INSPECTOR PRIOR TO BEING COVERED BY SHEATHING.



GL-1.0

CONNECTION DETAIL

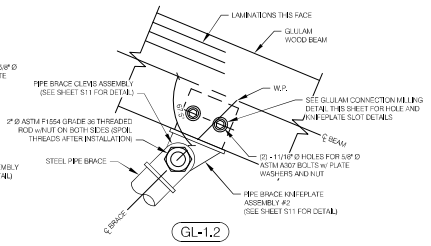
NOT TO SCALE



GL-1.1

CONNECTION DETAIL

NOT TO SCALE

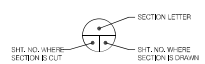


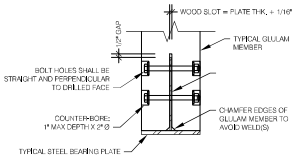
GL-1.2

CONNECTION DETAIL

NOT TO SCALE

SECTION CUT SYMBOL





GLULAM CONNECTION MILLING DETAIL

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

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NO.	REMARKS	DATE
1	ADDENDUM #1	3-8-24
2	ADDENDUM #2	3-15-24

LINCOLN AMPHITHEATRE

AMPHITHEATRE IMPROVEMENTS

LINCOLN CITY, INDIANA

DRAWN: SCB
CHECKED: SCB
APPROVED: SCB

VIEWING DECK FRAME SECTIONS AND DETAILS

SCALE: 3/4" = 1'-0"

DATE: 3-8-24

UDA PROJECT NO.: LA23102

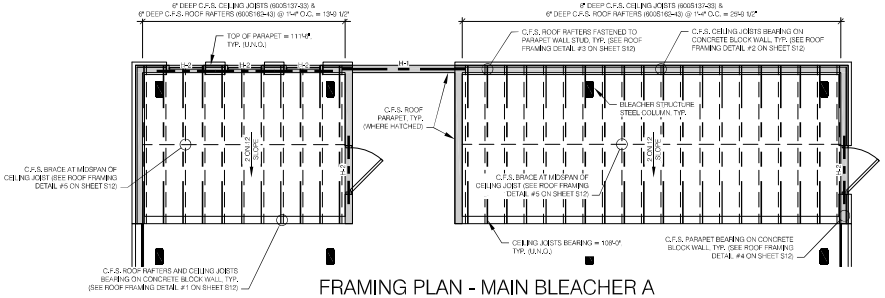
SEA PROJECT NO.: ENG2403730319

DRILL NO.: S5



3-8-24

ALTERNATE BID #3
ALTERNATE BID #4
ALTERNATE BID #5
ALTERNATE BID #6



FRAMING PLAN - MAIN BLEACHER A

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

HEADER SCHEDULE

H-1: C.F.S. BUILT-UP HEADER WITH (2) - 6"W X 1 5/8" 18 GAUGE (33 KSI) STUDS (600S162-43) AND (2) - 6"X 1 1/4" 18 GAUGE (33 KSI) TRACKS (600S125-43), MINIMUM 3" END BEARING, TYP. (SEE TYPICAL BOX HEADER DETAIL ON SHEET S12)

H-2: 8" X 16" NOMINAL MASONRY LINTEL GROUTED SOLID WITH (1) - #4 BARS 2" FROM BOTTOM. 8" MINIMUM END BEARING (SEE TYPICAL MASONRY HEADER DETAIL ON SHEET S9)

STRUCTURAL DESIGN PARAMETERS:
(BLEACHER STRUCTURES ONLY)

RISK CATEGORY ..... "II"
DEAD LOAD ..... "PER BLEACHER MANUFACTURER"
LIVE LOAD ..... "100 PSF"
GROUND SNOW LOAD ..... "50 PSF"
SNOW IMPORTANCE FACTOR (I$_s$) ..... "1.0"
FLAT ROOF SNOW LOAD ..... "16.8 PSF"
SNOW EXPOSURE FACTOR (C_e) ..... "1.0"
THERMAL FACTOR (C_t) ..... "1.2"

WIND DESIGN:

BASIC WIND SPEED ..... "115 MPH"
EXPOSURE CATEGORY ..... "B"

SEISMIC DESIGN:

SITE CLASS ..... "C"
S_s ..... "0.399"
S_1 ..... "0.159"
S_{DS} ..... "0.319"
S_{D1} ..... "0.173"
SEISMIC DESIGN CATEGORY ..... "A"
SEISMIC IMPORTANCE FACTOR (I$_e$) ..... "1.0"

MAIN SEISMIC AND WIND FORCE RESISTING SYSTEM DESIGNED BY BLEACHER MANUFACTURER

THE GENERAL CONTRACTOR SHALL PROVIDE THE FINAL COLUMN REACTIONS FROM THE PRE-ENGINEERED BLEACHER MANUFACTURER TO THE DESIGN ENGINEER FOR REVIEW. IF FINAL REACTIONS ARE DIFFERENT THAN REACTIONS USED ON THE PLAN, THE ENGINEER WILL REDESIGN THE COLUMN FOOTINGS AND ANCHORAGE DETAILS ACCORDINGLY.

NOTES:

1. SEE SHEET S11 FOR GENERAL NOTES.
2. SEE SHEET S9 FOR FOUNDATION NOTES AND DETAILS.
3. SEE SHEET S9 FOR CAST-IN-PLACE CONCRETE NOTES AND DETAILS.
4. SEE SHEET S9 FOR CONCRETE MASONRY NOTES AND DETAILS.
5. SEE SHEET S10 FOR WOOD FRAMING NOTES AND DETAILS.
5. SEE SHEET S12 FOR COLD-FORMED STEEL FRAMING NOTES AND DETAILS.
6. ABBREVIATIONS:
A.F.F. = ABOVE FINISHED FLOOR
C.F.S. = COLD-FORMED STEEL
O.C. = ON CENTER
T.F.F. = TOP OF FINISHED FLOOR
T.O.F. = TOP OF FOOTING
T.O.P. = TOP OF PIER
T.O.W. = TOP OF WALL
U.N.O. = UNLESS NOTED OTHERWISE
W.W.F. = WELDED WIRE FABRIC

WALL HATCHING KEY
- LOAD BEARING WALL
- SHEAR WALL/LOAD BEARING WALL

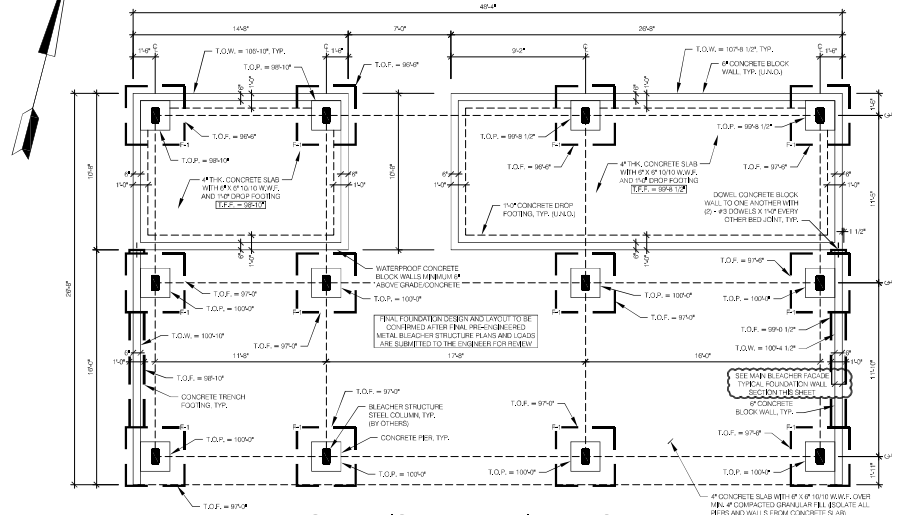
PRE-ENGINEERED METAL BLEACHER NOTES:

1. THE PRE-ENGINEERED METAL BLEACHER MANUFACTURER SHALL PROVIDE A PRE-ENGINEERED METAL STRUCTURE MEETING THE SEATING CAPACITIES AND ARRANGEMENTS SHOWN ON THE PROJECT PLANS. THE PRE-ENGINEERED METAL STRUCTURE SHALL MEET OR EXCEED THE LOADING AND DESIGN CRITERIA PROVIDED.
2. THE PRE-ENGINEERED METAL BLEACHER MANUFACTURER SHALL BE RESPONSIBLE FOR DESIGN AND DETAILING OF THE ENTIRE PRE-ENGINEERED METAL BLEACHER STRUCTURE, INCLUDING BUT NOT LIMITED TO ALL MAIN WIND AND SEISMIC FORCE RESISTING FRAMES, BRACING, CONNECTIONS AND OTHER STRUCTURAL COMPONENTS ABOVE TOP OF FOUNDATION.
3. THE PRE-ENGINEERED METAL BLEACHER STRUCTURE SHALL MEET ALL APPLICABLE SECTIONS OF THE LATEST EDITION OF THE INDIANA BUILDING CODE.
4. THE PRE-ENGINEERED METAL BLEACHER MANUFACTURER SHALL SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS TO THE ENGINEER FOR REVIEW. DRAWINGS AND DESIGN CALCULATIONS SHALL BE SEALED BY PROFESSIONAL ENGINEER LICENSED IN THE STATE OF INDIANA. THE PRE-ENGINEERED METAL BLEACHER MANUFACTURER WILL BE SENT A CONSTRUCTION DESIGN RELEASE FORM FOR SIGNATURES PRIOR TO FRAMING SUBMITTAL FOR STATE REVIEW.
5. THE CONTRACTOR SHALL VERIFY ALL ANCHORAGE SETTINGS AND CONSTRUCTION DETAILS WITH THE PRE-ENGINEERED METAL BLEACHER MANUFACTURER.
6. THE CONTRACTOR IS RESPONSIBLE FOR ALL MEANS AND METHODS OF TEMPORARY BRACING REQUIRED TO MAINTAIN STABILITY OF THE PRE-ENGINEERED METAL BLEACHER STRUCTURE DURING CONSTRUCTION.
7. DO NOT WELD TO MAIN OR SECONDARY STRUCTURAL MEMBERS WITHOUT FIRST CONSULTING WITH ENGINEER.
8. MECHANICAL EQUIPMENT AND/OR UTILITIES SHALL NOT BE SUPPORTED FROM THE METAL BLEACHER STRUCTURE WITHOUT FIRST CONSULTING WITH ENGINEER.
9. MINIMUM STEEL SURFACE PREPARATION AND COATINGS SYSTEM REQUIRED:
MAIN AND SECONDARY STRUCTURAL STEEL:
- HOT-DIPPED GALVANIZED PER ASTM A123, OR APPROVED EQUAL

N

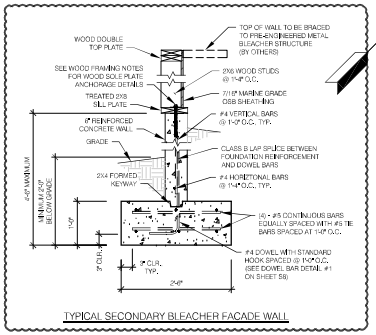
FOUNDATION SCHEDULE

F-1: 4'-0" X 4'-0" X 1'-0" CONCRETE FOOTING WITH (4) - #5 BARS EQUALLY SPACED EACH WAY, TYP. TOP AND BOTTOM OF FOOTING, SEE COLUMN SETTING DETAIL ON SHEET S7

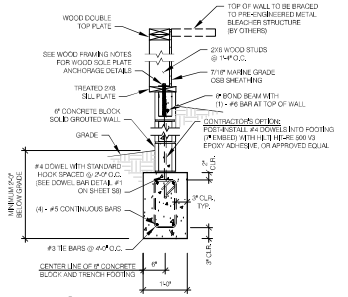


FOUNDATION PLAN - MAIN BLEACHER A

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



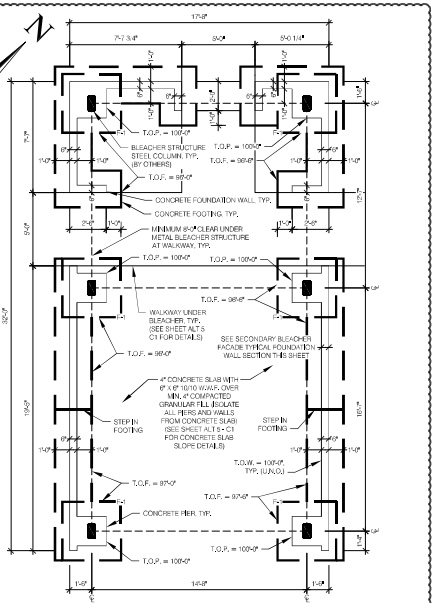
TYPICAL SECONDARY BLEACHER FACADE WALL



TYPICAL MAIN BLEACHER FACADE WALL

FOUNDATION WALL SECTION

SCALE: 3/4" = 1'-0"

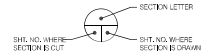


FOUNDATION PLAN - SECONDARY BLEACHER C

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

FINAL FOUNDATION DESIGN AND LAYOUT TO BE CONFIRMED AFTER FINAL PRE-ENGINEERED METAL BLEACHER STRUCTURE PLANS AND LOADS ARE SUBMITTED TO THE ENGINEER FOR REVIEW.

SECTION CUT SYMBOL



STATE OF INDIANA
PE19000987
PROFESSIONAL ENGINEER
3-12-24

REVISED: 3-12-24

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AMPHITHEATRE IMPROVEMENTS
LINCOLN CITY, INDIANA

DRAWN: SCB
CHECKED: SCB
APPROVED: SCB

FOUNDATION AND FRAMING PLANS - BLEACHERS A & C

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

DATE: 3-8-24
REV.: 3-12-24
UDA PROJECT NO.: LA23102
SITE PROJECT NO.: ENG2403730319
DRAWING NO.: S6

NO.	DESCRIPTION	DATE
1	ADDENDUM #1	3-12-24
2	ADDENDUM #2	3-12-24

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ALTERNATE BID #3
ALTERNATE BID #4
ALTERNATE BID #5
ALTERNATE BID #6

NOTES:

1. SEE SHEET S11 FOR GENERAL NOTES.
2. SEE SHEET S8 FOR FOUNDATION NOTES AND DETAILS.
3. SEE SHEET S8 FOR CAST-IN-PLACE CONCRETE NOTES AND DETAILS.
4. SEE SHEET S9 FOR CONCRETE MASONRY NOTES AND DETAILS.
5. SEE SHEET S10 FOR WOOD FRAMING NOTES AND DETAILS.
6. SEE SHEET S12 FOR COLD-FORMED STEEL FRAMING NOTES AND DETAILS.
7. SEE SHEET S6 FOR PRE-ENGINEERED BLEACHER NOTES.
8. ABBREVIATIONS:
   A.F.F. = ABOVE FINISHED FLOOR
   C.F.S. = COLD-FORMED STEEL
   C.C. = ON CENTER
   O.H. = OVERHANG
   T.F.F. = TOP OF FINISHED FLOOR
   T.O.F. = TOP OF FOOTING
   T.O.P. = TOP OF PIER
   T.O.W. = TOP OF WALL
   U.N.O. = UNLESS NOTED OTHERWISE
   W.W.F. = WELDED WIRE FABRIC

WALL HATCHING KEY
- LOAD BEARING WALL
- SHEAR WALL/LOAD BEARING WALL

HEADER SCHEDULE

H-1: C.F.S. BUILT-UP I-HEADER WITH (2) - 6"X 1 5/8" 18 GAUGE (33 KSI) STUDS (600S162-43) AND (2) - 6" X 1 1/4" 18 GAUGE (33 KSI) TRACKS (600S125-43). MINIMUM 3" END BEARING. TYP. (SEE TYPICAL BOX HEADER DETAIL ON SHEET S12)

H-2: 8" X 16" NOMINAL MASONRY LINTEL GROUTED SOLID WITH (1) - #4 BARS 2" FROM BOTTOM. 4" MINIMUM END BEARING (SEE TYPICAL MASONRY HEADER DETAIL ON SHEET S9)

STRUCTURAL DESIGN PARAMETERS:
(BLEACHER STRUCTURES ONLY)

RISK CATEGORY ..... "II"
DEAD LOAD ..... *PER BLEACHER MANUFACTURER*
LIVE LOAD ..... *100 PSF*
GROUND SNOW LOAD ..... *30 PSF*
SNOW IMPORTANCE FACTOR (I_s) *1.0*
FLAT ROOF SNOW LOAD ..... *16.8 PSF*
SNOW EXPOSURE FACTOR (C_e) *1.0*
THERMAL FACTOR (C_t) *1.2*

WIND DESIGN:

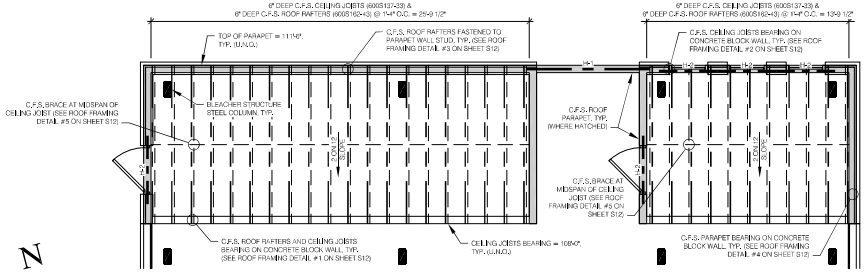
BASIC WIND SPEED ..... *115 MPH*
EXPOSURE CATEGORY ..... *B*

SEISMIC DESIGN:

SITE CLASS ..... *D*
S_S *0.399*
S_1 ..... *0.156*
S_{DS} *0.319*
S_D *0.173*
SEISMIC DESIGN CATEGORY ..... *B*
SEISMIC IMPORTANCE FACTOR (I_e) *1.0*

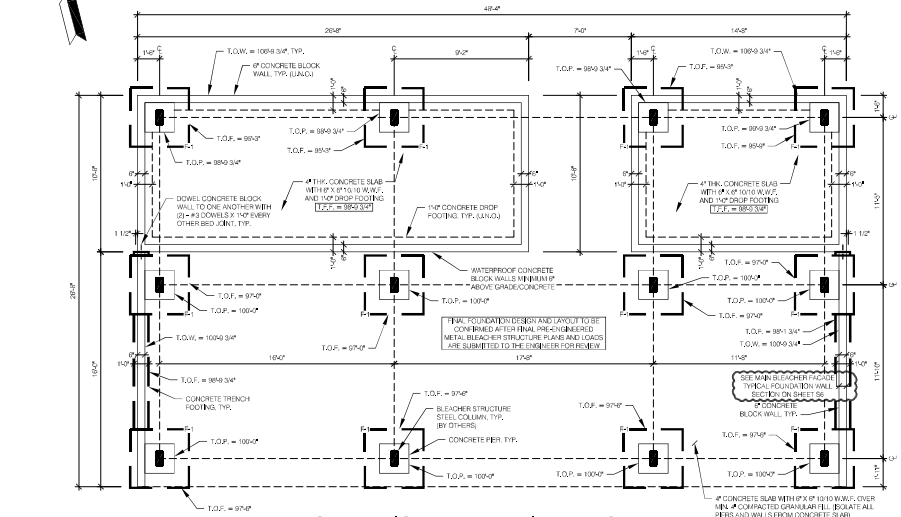
MAIN SEISMIC AND WIND FORCE RESISTING SYSTEM DESIGNED BY BLEACHER MANUFACTURER

THE GENERAL CONTRACTOR SHALL PROVIDE THE FINAL COLUMN REACTIONS FROM THE PRE-ENGINEERED BLEACHER MANUFACTURER TO THE DESIGN ENGINEER FOR REVIEW. IF FINAL REACTIONS ARE DIFFERENT THAN REACTIONS USED ON THIS PLAN, THE ENGINEER WILL REDESIGN THE COLUMN FOOTINGS AND ANCHORAGE DETAILS ACCORDINGLY.



FRAMING PLAN - MAIN BLEACHER B

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



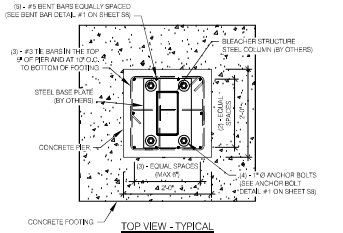
FOUNDATION PLAN - MAIN BLEACHER B

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

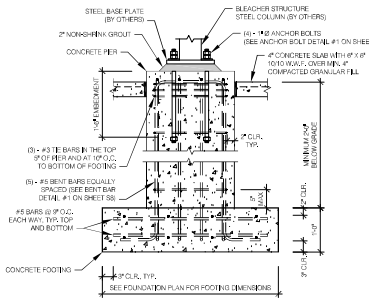
FOUNDATION SCHEDULE

F-1: 4'-0" X 4'-0" X 1'-0" CONCRETE FOOTING WITH (4) - #5 BARS EQUALLY SPACED EACH WAY. TYP. TOP AND BOTTOM OF FOOTING. SEE COLUMN SETTING DETAIL ON THIS SHEET

FINAL FOOTING, PIER AND ANCHORAGE DETAILS TO BE CONFIRMED AFTER FINAL PRE-ENGINEERED METAL BLEACHER STRUCTURE PLANS AND LOADS ARE SUBMITTED TO THE ENGINEER FOR REVIEW.



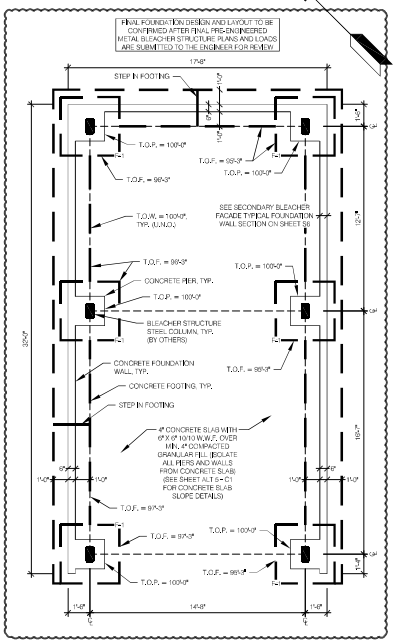
TOP VIEW - TYPICAL



FRONT VIEW - TYPICAL

COLUMN SETTING DETAIL

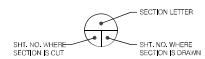
SCALE: 3/4" = 1'-0"



FOUNDATION PLAN - SECONDARY BLEACHER D

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

SECTION CUT SYMBOL



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NO.	DATE	REMARKS
1	3-12-24	ADDENDUM #1
2	3-8-24	ADDENDUM #2

LINCOLN AMPHITHEATRE
AMPHITHEATRE IMPROVEMENTS
LINCOLN CITY, INDIANA

DRAWN: SCB
CHECKED: SCB
APPROVED: SCB

FOUNDATION AND FRAMING PLANS - BLEACHERS B & D

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

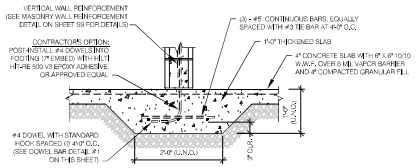
DATE: 3-8-24
REV.: 3-12-24
UDA PROJECT NO.: LA23102
SITE PROJECT NO.: ENG2403730319
DRAWING NO.: S7

PE10000887 STATE OF INDIANA REGISTERED PROFESSIONAL ENGINEER

3-12-24

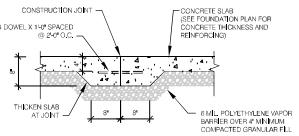
REVISED: 3-12-24

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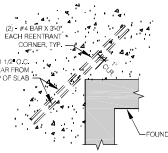
THICKENED SLAB DETAIL

SCALE: 3/4" = 1'-0"

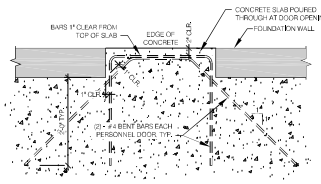


SLAB CONSTRUCTION JOINT DETAIL

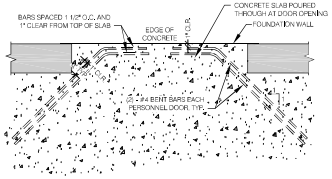
SCALE: 3/4" = 1'-0"



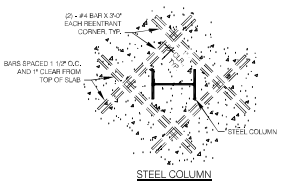
REENTRANT CORNER



PERSONNEL DOOR



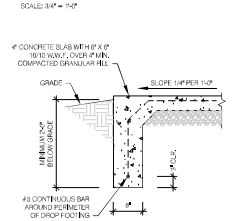
DOOR WIDTH > 3'-0"



STEEL COLUMN

TYPICAL SLAB REINFORCING DETAILS

SCALE: 3/4" = 1'-0"



DROP FOOTING DETAIL

SCALE: 3/4" = 1'-0"

NOTES:

1. SEE SHEET S11 FOR GENERAL NOTES.
2. ABBREVIATIONS:
   O.C. – ON CENTER
   U.N.O. – UNLESS NOTED OTHERWISE

FOUNDATION NOTES:

1. DO NOT UNDERMINE EXISTING FOUNDATION OR SLABS DURING EXCAVATION ACTIVITIES.
2. ALL FOOTINGS ARE DESIGNED FOR A NET ALLOWABLE SOIL BEARING PRESSURE OF 3,000 PSF. SEE GEOTECHNICAL REPORT FOR MORE DETAILS.
3. IF POOR SOIL CONDITIONS OCCUR, CONTACT ENGINEER FOR REDESIGN OF FOOTINGS OR FOUNDATION EXTENSIONS TO GOOD SOIL.
4. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE AND IMPLEMENT ALL REQUIRED SITE DEWATERING MEASURES REQUIRED FOR CONSTRUCTION. ANY ISSUES ARISING FROM INADEQUATE DEWATERING SHALL BE REMEDIATED AT THE CONTRACTOR'S EXPENSE.
5. PROVIDE COMPACTED #53 STONE FILL UNDER ALL INTERIOR AND EXTERIOR CONCRETE SLABS, DRIVES, PAVEMENT, SIDEWALKS, STOOPS AND EQUIPMENT PADS (NO EXCEPTIONS). STONE BASE SHALL BE UNIFORM IN THICKNESS AND COMPACTED TO 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557).
6. ALL BACKFILL FOR FOOTING EXCAVATIONS, UTILITY LINES, ETC., UNDER CONCRETE SHALL BE BE COMPACTED #53 STONE FILL (NO EXCEPTIONS). EARTH BACKFILL SHALL BE USED IN ALL OTHER AREAS. EARTH SUB-BASE SHALL BE UNIFORMLY PLACED AND COMPACTED TO 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557).
7. PLACE ALL BACKFILL EVENLY THROUGHOUT FOUNDATION TO PREVENT LATERAL WALL MOVEMENT.
8. DO NOT BACKFILL OR COMPACT GRANULAR FILL AGAINST CONCRETE BLOCK WALLS UNTIL THE NECESSARY TEMPORARY BRACING AND SUPPORTS ARE IN PLACE. CONTRACTOR TO SUPPLY ALL NECESSARY TEMPORARY BRACING AND SUPPORTS OF CONCRETE BLOCK WALLS UNTIL PERMANENT BRACING AND FLOOR SLABS ARE IN PLACE. CONTRACTOR IS RESPONSIBLE FOR ALL MEANS AND METHODS OF TEMPORARY BRACING AND SUPPORTS.
9. STRUCTURAL FILL SHALL BE PLACED IN A UNIFORM THICKNESS AND COMPACTED TO 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557). FILL AND BACKFILL SHALL BE PLACED IN LAYERS NOT MORE THAN 8 INCHES IN LOOSE DEPTH FOR MATERIALS COMPACTED BY HEAVY COMPACTION EQUIPMENT, AND NOT MORE THAN 4 INCHES IN LOOSE DEPTH FOR MATERIALS COMPACTED BY HAND-OPERATED TAMPERS.

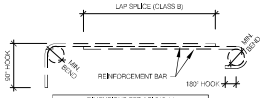
CONCRETE SLAB FLATNESS/TOLERANCES

1. APPLY A TROWEL FINISH TO SURFACES INDICATED EXPOSED TO VIEW OR TO BE COVERED WITH RESILIENT FLOORING, CARPET, CERAMIC OR QUARRY TILE SET OVER A CLEAVAGE MEMBRANE, PAINT, OR ANOTHER THIN-FILM-FINISH COATING SYSTEM.
2. FINISH AND MEASURE SURFACE SO GAP AT ANY POINT BETWEEN CONCRETE SURFACE AND AN UNLEVELED, FREESTANDING, 10'-0" OUT-OF-PLUMB-LONG STRAIGHTEDGE RESTING ON 2 HIGH SPOTS AND PLACED ANYWHERE ON THE SURFACE DOES NOT EXCEED ¼ INCH (6 MM).
3. SITE CONDITIONS-FLOOR FINISH INSTALLATION
   a. SUBFLOOR CONDITIONS - THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING AN ACCEPTABLE SUBSTRATE FOR THE SPECIFIED INSTALLATION.
   b. ADDITIONAL SUBFLOOR REQUIREMENTS - SUBFLOORS MUST BE CLEAN, DRY, AND WITH NO CRACKS. EXISTING ADHESIVES AND SURFACE IRREGULARITIES THAT MIGHT SHOW THROUGH THE FINISHED INSTALLATION OR CAUSE PREMATURE WEAR, THE FLOOR MUST BE FREE FROM CONTAMINANTS THAT MAY INTERFERE WITH ADHESION.

NOTE: WHILE SOME FLOOR PREPARATION IS "NORMAL", IT IS NOT THE FLOOR COVERING INSTALLATION CONTRACTOR'S RESPONSIBILITY TO CORRECT DEFICIENCIES IN THE WORK OF OTHER TRADESMEN.

CAST-IN-PLACE CONCRETE NOTES:

1. ALL CONCRETE PLACED SHALL MEET APPLICABLE PROVISIONS OF ACI 318-11 (BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE).
2. ALL CONCRETE PLACED SHALL MEET APPLICABLE PROVISIONS OF ACI 117-10 (SPECIFICATION FOR TOLERANCES FOR CONCRETE CONSTRUCTIONS AND MATERIALS) REGARDING DIMENSIONAL, LEVEL, AND PLUMBNESS TOLERANCES.
3. CONCRETE SHALL BE A NORMAL-WEIGHT AND MEET THE FOLLOWING CONCRETE MIX DESIGN REQUIREMENTS:
   FOOTINGS
   MINIMUM COMPRESSIVE STRENGTH = 4,000 PSI AT 28 DAYS
   MINIMUM CEMENTITIOUS MATERIALS) CONTENT = 564 #./CY (TYPE I, II, OR L)
   MAXIMUM COARSE AGGREGATE SIZE = 1" NOMINAL
   MAXIMUM WATER/CEMENT RATIO = 0.50
   AIR CONTENT: ENTRAPPED (NO ENTRAINMENT) NOT TO EXCEED 3%
   SLUMP LIMIT: 8" ±1" FOR CONCRETE WITH VERIFIED SLUMP OF 4" ±1" BEFORE HIGH-RANGE WATER-REDUCING ADMIXTURE
   EXTERIOR SLABS-ON-GRADE
   MINIMUM COMPRESSIVE STRENGTH = 4,000 PSI AT 28 DAYS
   MINIMUM CEMENTITIOUS MATERIALS) CONTENT = 564 #./CY (TYPE I, II, OR L)
   MAXIMUM COARSE AGGREGATE SIZE = 1" NOMINAL
   MAXIMUM WATER/CEMENT RATIO = 0.50
   AIR CONTENT: 4% TO 6% AT POINT OF DELIVERY
   SLUMP LIMIT: 4" ±1" FOR CONCRETE WITH VERIFIED SLUMP OF 4" ±1" BEFORE HIGH-RANGE WATER-REDUCING ADMIXTURE
   EXTERIOR WALLS AND PIERS
   MINIMUM COMPRESSIVE STRENGTH = 4,000 PSI AT 28 DAYS
   MINIMUM CEMENTITIOUS MATERIALS) CONTENT = 564 #./CY (TYPE I, II, OR L)
   MAXIMUM COARSE AGGREGATE SIZE = 1" NOMINAL
   MAXIMUM WATER/CEMENT RATIO = 0.50
   AIR CONTENT: 4% TO 6% AT POINT OF DELIVERY
   SLUMP LIMIT: 8" ±1" FOR CONCRETE WITH VERIFIED SLUMP OF 4" ±1" BEFORE HIGH-RANGE WATER-REDUCING ADMIXTURE
   INTERIOR SLABS-ON-GRADE
   MINIMUM COMPRESSIVE STRENGTH = 4,000 PSI AT 28 DAYS
   MINIMUM CEMENTITIOUS MATERIALS) CONTENT = 564 #./CY (TYPE I, II, OR L)
   MAXIMUM COARSE AGGREGATE SIZE = 1" NOMINAL
   MAXIMUM WATER/CEMENT RATIO = 0.50
   AIR CONTENT: ENTRAPPED (NO ENTRAINMENT) NOT TO EXCEED 3%
   SLUMP LIMIT: 8" ±1"
4. ANY FLY ASH USED AS A SUPPLEMENTARY CEMENTICIOUS MATERIAL SHALL BE CLASS F FLY ASH MEETING ASTM C618 REQUIREMENTS, A MAXIMUM OF 15% CEMENT REDUCTION WITH A MINIMUM 1:1 (BY WEIGHT). FLY ASH TO CEMENT REPLACEMENT RATIO IS PERMITTED.
5. ALL CONCRETE SHALL BE VIBRATED BY MEANS TO ASSURE THE POUR IS FREE OF POCKETS, VOIDS AND HONEYCOMBING.
6. CONTRACTOR RESPONSIBLE FOR PERFORMING AND PROPERLY REPORTING ALL FIELD QUALITY CONTROL MEASURES PER PROJECT SPECIFICATIONS.
7. ALL REINFORCING STEEL TO MEET ASTM A615 GRADE 60 (Fy=60,000 PSI) REQUIREMENTS AND BE DEFORMED (U.N.O.). ALL WELDED WIRE FABRIC (W.W.F.) REINFORCEMENT TO MEET ASTM A185 REQUIREMENTS (U.N.O.). W.W.F. TO BE PROVIDED IN MATS, ROLLS ARE NOT ACCEPTABLE.
8. FLOOR SLABS SHALL BE 4" THICK OVER 6 MIL VAPOR BARRIER ON 4" MINIMUM COMPACTED GRANULAR FILL, UNLESS NOTED OTHERWISE. VAPOR BARRIER SHALL BE OMITTED ON EXTERIOR SLABS.
9. SLAB REINFORCEMENT SHALL BE PLACED IN THE TOP 1/3 OF THE SLAB THICKNESS.
10. PROVIDE CHAIRS TO SUPPORT REINFORCING IN CONCRETE SLABS AND FOOTINGS. CHAIRS MUST BE COMPRISED OF CONCRETE OR PLASTIC (NO EXCEPTIONS).
11. CONTRACTOR SHALL SUBMIT EXPANSION JOINTING, POUR JOINTING, AND CUT JOINTING LAYOUT TO ENGINEER FOR APPROVAL PRIOR TO CONCRETE PLACEMENT.
12. AS CONDITIONS PERMIT, SAW-CUT JOINTING MUST BE MADE NO MORE THAN 4 HOURS AFTER FINISHING IS COMPLETE. SPACING OF SAW-CUT JOINTS SHALL NOT EXCEED 2.5 FEET PER INCH OF THICKNESS, THE RATIO OF THE LENGTH TO WIDTH OF AN AREA FORMED BY CONTROL JOINTS SHALL NOT EXCEED 1.5, MAXIMUM SAW CUT JOINT SPACING: 4" SLAB = 10'-0", 6" SLAB = 12'-0", 8" AND GREATER = 15'-0")
13. ALL CONCRETE REINFORCING SHALL BE INSPECTED BY THE ENGINEER OR LOCAL INSPECTOR PRIOR TO BEING INSTALLED IN THE CONCRETE. GENERAL CONTRACTOR SHALL CONTACT THE ENGINEER OR LOCAL INSPECTOR TO SCHEDULE A TIME FOR THE INSPECTION(S). ANY ALTERATION TO THE ENGINEERING DESIGN OF THE BUILDING MUST BE APPROVED BY THE ENGINEER.
14. PAINT ALL COLUMNS BELOW FLOOR LINE WITH A BITUMINOUS PAINT.
15. USE NON-SHRINK GROUT UNDER ALL STRUCTURAL STEEL BASE PLATES TO ENSURE PLATES ARE UNIFORMLY LOADED. INSTALL GROUT IMMEDIATELY AFTER BASE PLATES ARE LEVELED AND STEEL COLUMNS ARE PLUMBED AND SET.
16. ALL ANCHOR BOLTS AND BOLT PATTERNS SHALL BE SET IN CONCRETE PER THE PLANS TO THE FOLLOWING TOLERANCES:
    - TOP OF ANCHOR = ±1/2"
    - CENTER OF ANCHOR TO SPECIFIED LOCATION = ±1/4"
    - CENTERS OF ANCHOR WITHIN ANCHOR GROUP = ±1/8"
    - ALL ANCHORS SHALL BE SET PLUMB
17. FOLLOW MANUFACTURER'S GUIDELINES FOR INSTALLATION OF ALL POST-INSTALLED ADHESIVE ANCHORS AND REINFORCEMENT. THE INSTALLATION OF ALL POST-INSTALLED ADHESIVE ANCHORS SHALL BE CONTINUOUSLY OBSERVED BY THE ENGINEER OR A 3RD PARTY INSPECTING AGENCY.
18. CONCRETE SEALER:
    ALL EXTERIOR EXPOSED CONCRETE SHALL RECEIVE ONE COAT OF MASTERPURE CC200WS. ALL INTERIOR EXPOSED CONCRETE SHALL RECEIVE TWO COATS OF MASTERPURE CC 200WS. ALL INTERIOR CONCRETE TO RECEIVE FLOOR COVERING SHALL RECEIVE ONE COAT OF MASTERPURE CC 200WS. APPLY FIRST COAT OF SEALER AS SOON AS POSSIBLE AFTER CONCRETE FINISHING IS COMPLETE. APPLY SECOND COAT OF SEALER JUST PRIOR TO SUBSTANTIAL COMPLETION OF PROJECT.
19. ALL CONCRETE SLAB EXPANSION JOINTS SHALL BE CAULKED.



DIMENSIONS PER ACI 318-11					
BAR SIZE	MIN. BEND	90° Ø HOOK	135° HOOK	180° HOOK	LAP SPLICE TOP*	LAP SPLICE OTHER
#4	3"	8"	2 1/2"	2'-9"	2'-1"
#5	3 3/4"	10"	2 1/2"	3'-5"	2'-7"
#6	4 1/2"	1'-0"	3"	4'-1"	3'-1"
#8	6"	1'-4"	4"	6'-4"	5'-2"
ASSUMES 4,000 PSI CONCRETE					

(*MORE THAN 1'-0" OF CONCRETE PLACED BELOW BAR)

TYPICAL REINFORCEMENT GEOMETRY DETAIL

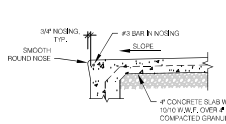
NOT TO SCALE



DIMENSIONS PER ACI 318-11				
BAR SIZE	MIN. BEND Ø	90° HOOK	135° HOOK	180° HOOK
#3	1 1/2"	6"	3"	2 1/2"
ASSUMES 4,000 PSI CONCRETE				

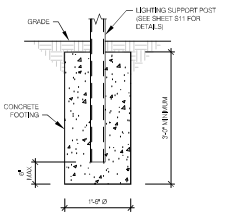
TYPICAL STIRRUP/TIE GEOMETRY DETAIL

NOT TO SCALE

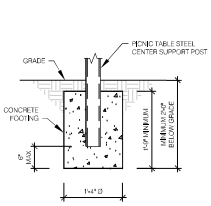


CONCRETE STAIR NOSING DETAIL

SCALE: 3/4" = 1'-0"



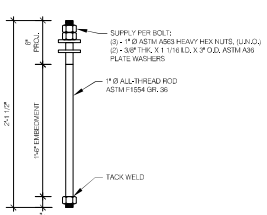
LIGHTING SUPPORT POST



PICNIC TABLE

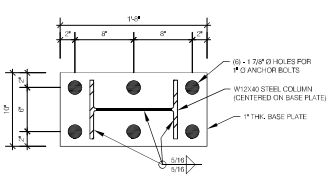
POST FOOTING DETAILS

SCALE: 3/4" = 1'-0"



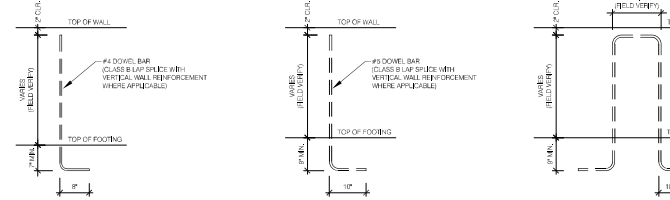
ANCHOR BOLT DETAIL #1

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



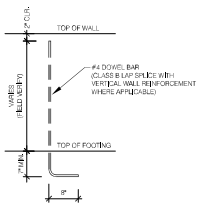
BASE PLATE DETAIL #1

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



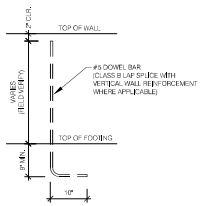
TYPICAL FOOTING STEP DETAIL

SCALE: 3/4" = 1'-0"



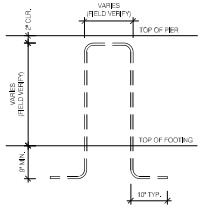
DOWEL BAR DETAIL #1

SCALE: 3/4" = 1'-0"



DOWEL BAR DETAIL #2

SCALE: 3/4" = 1'-0"



BENT BAR DETAIL #1

SCALE: 3/4" = 1'-0"

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FOUNDATION AND CAST-IN-PLACE CONCRETE DETAILS

SCALE: 3/4" = 1'-0"

DATE: 3-8-24

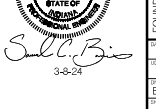
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SITE PROJECT NO.: ENG2403730319

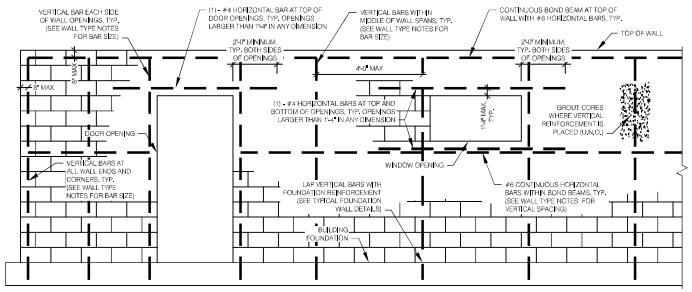
DRILL NO.: S8

NO.	REMARKS	DATE

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3-8-24



MASONRY WALL REINFORCEMENT DETAIL

NOT TO SCALE

EXTERIOR AND INTERIOR LOAD BEARING WALLS

- HORIZONTAL BOND BEAMS SHALL BE PLACED AT TOP OF WALL AND EVERY 4'-0" O.C. VERTICALLY
- (1) - #4 VERTICAL BAR AT 4'-0" O.C., AT EACH END OF WALL, EACH CORNER, AND EACH SIDE OF OPENINGS.
- HORIZONTAL JOINT REINFORCEMENT INSTALLED EVERY OTHER BLOCK COURSE

INTERIOR NON-LOAD BEARING WALLS

- HORIZONTAL BOND BEAM SHALL BE PLACED AT TOP OF WALL
- (1) - #4 VERTICAL BAR AT EACH END OF WALL, EACH CORNER, AND EACH SIDE OF OPENINGS.
- HORIZONTAL JOINT REINFORCEMENT INSTALLED EVERY OTHER BLOCK COURSE

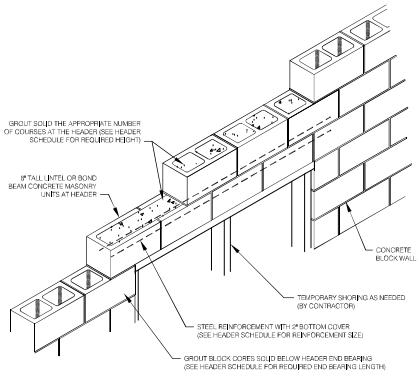
WALLS ARE DESIGNED TO HAVE NO VERTICAL CONTROL JOINTS

NOTES:

1. SEE SHEET S11 FOR GENERAL NOTES.
2. ABBREVIATIONS:
   O.C. = ON CENTER
   U.N.O. = UNLESS NOTED OTHERWISE

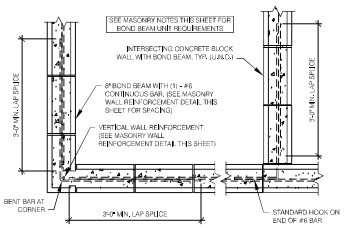
CONCRETE MASONRY NOTES:

1. ALL MASONRY CONSTRUCTION SHALL MEET APPLICABLE PROVISIONS OF TMS 602-11/ACI 530.1-11/ASCE 6-11 (SPECIFICATION FOR MASONRY STRUCTURES).
2. ALL MASONRY CONSTRUCTION SHALL BE REGULARLY INSPECTED FOR COMPLIANCE TO ALL PROJECT REQUIREMENTS AT MINIMUM PERFLEVEL A QUALITY ASSURANCE PROCEDURES SET FORTH IN TMS 602-11/ACI 530.1-11/ASCE 6-11 (SPECIFICATION FOR MASONRY STRUCTURES).
3. ALL CONCRETE BLOCK SHALL BE NORMALWEIGHT (DENSITY ≥ 135 PCF), HAVE A MINIMUM AVERAGE NET-AREA COMPRESSIVE STRENGTH OF 1,900 PSI AND MEET ASTM C90 REQUIREMENTS (U.N.O.). ALL CONCRETE BLOCK SHALL BE LAID IN A RUNNING BOND (U.N.O.).
4. ALL WALL BOND BEAMS AND CONDUIT/PIPE HORIZONTAL RUNS SHALL BE CONSTRUCTED USING KNOCKOUT TYPE (HOLLOW BOTTOM) BOND BEAM UNITS TO ENSURE GROUTING IS CONTINUOUS ACROSS BOND BEAM WHERE REQUIRED BY DESIGN. NO LINTEL BLOCKS (SOLID BOTTOM) ARE PERMITTED TO BE USED FOR WALL BOND BEAMS. USE WIRE MESH OR SCREENING MATERIAL TO RESTRAIN GROUT AS NEEDED.
5. ALL MORTAR FOR CONCRETE MASONRY CONSTRUCTION SHALL MEET ASTM C270 REQUIREMENTS.
   FOR REINFORCED MASONRY, LOAD BEARING WALLS AND SHEAR WALLS USE TYPE "S" MORTAR.
   FOR MASONRY BELOW-GRADE USE TYPE "S" MORTAR.
   FOR EXTERIOR ABOVE-GRADE MASONRY FACE-VENEER, USE TYPE "N" MORTAR.
   FOR NON-LOAD-BEARING WALLS AND PARTITIONS, USE TYPE "N" MORTAR.
6. GROUT TO FILL CONCRETE BLOCK CORES SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI AND MEET ASTM C476 REQUIREMENTS.
7. ALL REINFORCING STEEL TO BE USED WITHIN CONCRETE MASONRY CONSTRUCTION SHALL MEET ASTM A615 GRADE 60 (F_y=60,000 PSI) REQUIREMENTS AND BE AND DEFORMED (U.N.O.).
8. FOLLOW STANDARD INDUSTRY PRACTICE AND APPLICABLE SECTIONS OF TMS 602-11/ACI 530.1-11/ASCE 6-11 (SPECIFICATION FOR MASONRY STRUCTURES) FOR FABRICATION OF REBAR HOOKS, BENDS AND PLACEMENT OF ALL MASONRY REINFORCEMENT.
9. TYPICAL REINFORCEMENT COVER IN ALL CONCRETE MASONRY CONSTRUCTION SHALL BE 2" WHERE MASONRY IS EXPOSED TO WEATHER AND 1 1/2" ELSEWHERE (U.N.O.).
10. ALL JOINT REINFORCEMENT SHALL MEET ASTM A951 REQUIREMENTS. JOINT REINFORCEMENT SHALL BE TRUSS TYPE AND COMPRISED OF MINIMUM 9 GAUGE (F_y=70,000 PSI) H.D.G. WIRE.



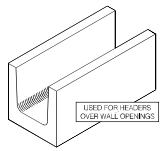
TYPICAL MASONRY HEADER DETAIL

NOT TO SCALE



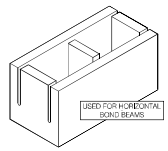
TYPICAL MASONRY WALL INTERSECTION DETAIL

SCALE: 3/4" = 1'-0"



LINTEL UNIT

NOT TO SCALE



KNOCK-OUT BOND BEAM UNIT

NOT TO SCALE



3-8-24

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NO.	REMARKS	DATE

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SCB	SCB	SCB

CONCRETE MASONRY DETAILS

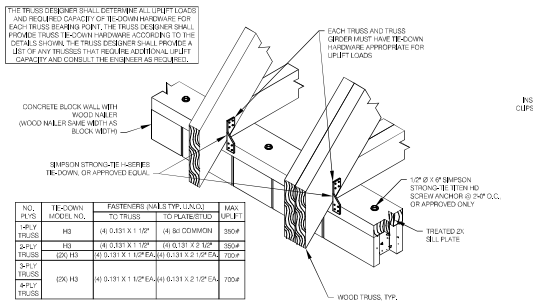
SCALE: 3/4" = 1'-0"

DATE: 3-8-24

UDA PROJECT NO.: LA23102

SSR PROJECT NO.: ENG2403730319

DRILL NO.: S9

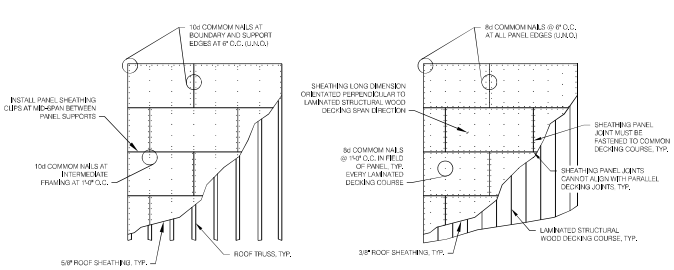


NO. PLYS	TIE-DOWN MODEL NO.	FASTENERS (NAILS TYP. U.N.O.) TO TRUSS	TO PLATE/STUD	MAX UPLIFT
1-PLY TRUSS	H3	(4) 0.131 X 1 1/2"	(4) 8d COMMON	350#
2-PLY TRUSS	H3	(4) 0.131 X 1 1/2"	(4) 0.131 X 2 1/2"	350#
	(2)H3	(4) 0.131 X 1 1/2" EA.	(4) 0.131 X 2 1/2" EA.	700#
3-PLY TRUSS	--	--	--	--
	(2)H3	(4) 0.131 X 1 1/2" EA.	(4) 0.131 X 2 1/2" EA.	700#
4-PLY TRUSS	--	--	--	--

SDS = SIMPSON STRONG-TIE STRONG-DRIVE SDS SCREW. INFORMATION FOR SIMPSON STRONG-TIE HARDWARE ONLY. CONTRACTOR MAY SUBMIT ALTERNATES FOR APPROVAL.

TYPICAL ROOF TRUSS TIE-DOWN TO CONCRETE BLOCK WALL WITH WOOD NAILER DETAIL

NOT TO SCALE



WOOD TRUSSES — LAMINATED STRUCTURAL WOOD DECKING

ROOF DECK NAIL PATTERN DETAILS

NOT TO SCALE

NOTES:

1. SEE SHEET S11 FOR GENERAL NOTES.
2. ABBREVIATIONS:
   O.C. = ON CENTER
   U.N.O. = UNLESS NOTED OTHERWISE

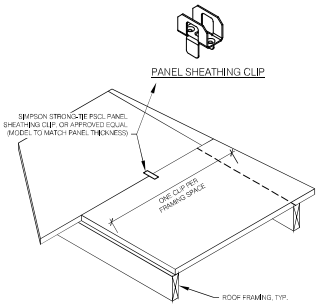
WOOD FRAMING NOTES:

1. ALL WOOD FRAMING SHOWN IS MINIMUM REQUIRED FOR STRUCTURAL INTEGRITY. THE CONTRACTOR SHALL ADD INFILL FRAMING AND FURRING AS REQUIRED TO MEET ARCHITECTURAL DIMENSIONS AND DETAILS.
2. ALL WOOD FRAMED NON-LOAD BEARING EXTERIOR AND INTERIOR WALLS SHALL BE FASTENED TO THE SLAB WITH 1/4" Ø 3 1/4" SIMPSON STRONG-TIE TITEN TURBO CONCRETE SCREWS SPACED 2'-6" O.C., IN ADDITION TO THE TYPICAL ANCHOR SPACING. ANCHORS SHALL ALSO BE INSTALLED WITHIN 1'-0" OF EACH SIDE OF DOORS/WINDOWS, WITHIN 1'-0" OF CORNERS, AND WITHIN 1'-0" OF THE PANEL WALL SECTION ENDS.
3. WOOD FASTENERS SPECIFIED SHALL NOT BE SUBSTITUTED WITHOUT PRIOR APPROVAL FROM THE ENGINEER. ENSURE NAIL DIMENSIONS USED BY PNEUMATIC OR POWER DRIVEN NAILERS MEET OR EXCEED SPECIFIED NAIL DIMENSIONS.
   16d COMMON = 0.162 X 3 1/2" — 16d SINKER = 0.148 X 3 1/4"
   10d COMMON = 0.148 X 3" — 8d COMMON = 0.131 X 2 1/2"
4. FOLLOW ALL MANUFACTURER'S GUIDELINES AND DETAILS SHOWN FOR ALL WOOD CONSTRUCTION HARDWARE.

WOOD ROOF TRUSS NOTES:

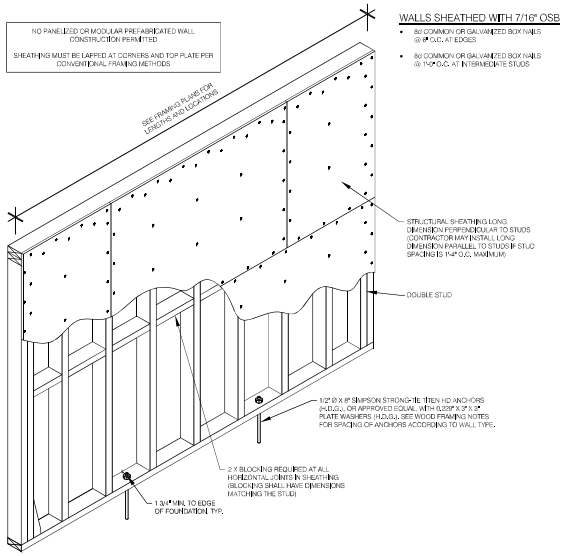
1. REFER TO FOUNDATION PLAN SHEETS S1 & S2 AND FLOOR PLAN SHEETS A3 & A5 FOR DIMENSIONS AND CONTACT THE ENGINEER FOR DIMENSIONS NOT SHOWN.
2. THE TRUSS DESIGNER SHALL VERIFY ALL DIMENSIONS AND LAYOUTS AND COORDINATE WITH THE ENGINEER ALL BEARING WALLS, BEAM LOCATIONS AND ELEVATIONS.
3. THE CONTRACTOR SHALL SUBMIT TRUSS DRAWINGS AND STRESS CALCULATIONS TO THE ENGINEER OF RECORD (E.O.R.) FOR APPROVAL FOLLOWING ALL APPLICABLE SECTIONS OF IBC 2012 AND LOCAL BUILDING CODES. THE TRUSS SUBMITTAL PACKAGE MUST BE CERTIFIED BY THE TRUSS MANUFACTURER'S ENGINEER LICENSED IN THE STATE OF INDIANA. FABRICATION AND ERECTION OF THE TRUSSES MAY NOT BEGIN UNTIL THE E.O.R. HAS APPROVED THE ENTIRE TRUSS SUBMITTAL PACKAGE.
4. THE TRUSS DESIGNER IS RESPONSIBLE FOR SPECIFYING ALL REQUIRED TRUSS HANGERS, FASTENERS AND ANY HARDWARE REQUIRED FOR CONNECTION OF TRUSSES TO OTHER TRUSSES/GIRDERS. SUBMIT A SCHEDULE OF THESE COMPONENTS, COMPONENT DATASHEETS, AND A LAYOUT CLEARLY DENOTING WHERE EACH COMPONENT SHALL BE INSTALLED FOR REVIEW. THE ADEQUACY OF THESE COMPONENTS MUST BE CERTIFIED BY THE TRUSS MANUFACTURER'S LICENSED ENGINEER.
5. THE TRUSS DESIGNER IS RESPONSIBLE FOR PROVIDING MINIMUM BEARING LENGTHS FOR EACH TRUSS BEARING (ASSUME TOP PLATE FC⊥ = 425 PSI). THE TRUSS DESIGNER SHALL EXHAUST THE USE OF ADDITIONAL TRUSS PLYS AND WOOD BEARING BLOCKS TO PROVIDE ADEQUATE BEARING OF TRUSSES. IF BEARING IS STILL INADEQUATE THE TRUSS DESIGNER SHALL CONSULT WITH THE ENGINEER REGARDING ADDITIONAL BEARING ENHANCEMENT. THE TRUSS MANUFACTURER IS RESPONSIBLE FOR SUPPLYING ALL BEARING BLOCKS AND BEARING ENHANCEMENT HARDWARE REQUIRED. SUBMIT A SCHEDULE OF THESE COMPONENTS, COMPONENT DATASHEETS, AND A LAYOUT CLEARLY DENOTING WHERE EACH COMPONENT SHALL BE INSTALLED FOR REVIEW.
6. THE TRUSS DESIGNER IS RESPONSIBLE FOR DETERMINING THE REQUIRED CAPACITY OF ALL TIE-DOWN HARDWARE FOR EACH TRUSS BEARING POINT. THE TRUSS MANUFACTURER IS RESPONSIBLE FOR SUPPLYING ALL REQUIRED TRUSS TIE-DOWN HARDWARE COMPONENTS PER DETAILS ON THIS SHEET. SUBMIT A SCHEDULE OF THESE COMPONENTS, COMPONENT DATASHEETS, AND A LAYOUT CLEARLY DENOTING WHERE EACH COMPONENT SHALL BE INSTALLED FOR REVIEW.
7. THE TRUSS DESIGNER IS RESPONSIBLE FOR SPECIFYING ANY AND ALL HARDWARE NOT EXPLICITLY DEPICTED WITHIN THE PROJECT PLANS, BUT IS REQUIRED FOR STRUCTURAL INTEGRITY AND/OR CORRECT INSTALLATION OF THE TRUSSES. SUBMIT A SCHEDULE OF THESE COMPONENTS, COMPONENT DATASHEETS, AND A LAYOUT CLEARLY DENOTING WHERE EACH COMPONENT SHALL BE INSTALLED FOR REVIEW. THE ADEQUACY OF THESE COMPONENTS MUST BE CERTIFIED BY THE TRUSS MANUFACTURER'S LICENSED ENGINEERS.
8. ALL ROOF TRUSSES SHALL BE DESIGNED FOR ADDITIONAL MECHANICAL, SPRINKLER, AND LATERAL LOADS NOTED BY THE ENGINEER WITHIN THE PROJECT PLANS AS REQUIRED. ALL LOADS NOTED ARE UNFACTORED. TRUSS DESIGNER TO DETERMINE ALL FINAL TRUSS LOADS BASED ON THE INFORMATION PROVIDED.
9. THE TRUSS DESIGNER IS RESPONSIBLE FOR COORDINATING WITH THE HVAC CONTRACTOR TO ENSURE THAT ALL HVAC DUCTS AND EQUIPMENT CAN BE INSTALLED IN THE ATTIC WITHOUT BEING OBSTRUCTED BY TRUSS WEB MEMBERS.
10. ALL ROOF TRUSSES ARE SPACED AT 2'-0" O.C. (U.N.O.).
11. ALL ROOF TRUSSES SHALL MATCH EXISTING TRUSS HEEL HEIGHTS (CONTRACTOR TO FIELD VERIFY).
12. TRUSS PLY QUANTITY LISTED ON FRAMING PLANS IS THE MINIMUM REQUIRED (U.N.O.).
13. ALL TRUSSES LABELED AS GABLE END TRUSSES SHALL HAVE VERTICAL WEB MEMBERS AT 2'-0" O.C. (U.N.O.).
14. SEE DETAIL ON THIS SHEET FOR ROOF DECK NAIL PATTERN DETAILS.
15. THE TRUSS MANUFACTURER SHALL PROVIDE LOCATIONS OF ALL WOOD BRIDGING REQUIRED.
16. ALL MULTI-PLY TRUSS GIRDERS MUST BE CONSTRUCTED IN THE SHOP. FASTENING TRUSS PLYS IN THE FIELD IS NOT PERMITTED. CONSULT THE ENGINEER PRIOR TO ERECTION IF THIS IS NOT FEASIBLE.

WOOD ROOF TRUSSES:
- LOAD DURATION FACTOR = 1.15
- LIMITS OF DEFLECTION = L/240 TOTAL LOAD
- LIMITS OF DEFLECTION = 1" OR L/360 LIVE LOAD (WHICHEVER IS LESS)



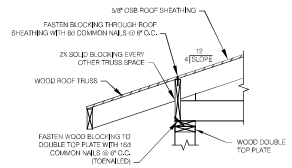
PANEL SHEATHING CLIP DETAIL AT UNSUPPORTED JOINTS

NOT TO SCALE



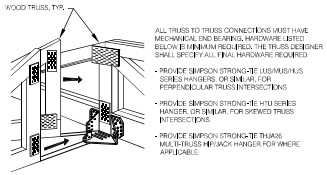
WOOD SHEATHED WALL NAIL PATTERN DETAIL

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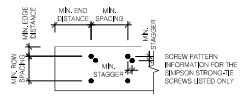
EAVE BLOCKING DETAIL

NOT TO SCALE



TYPICAL TRUSS TO TRUSS CONNECTION DETAIL

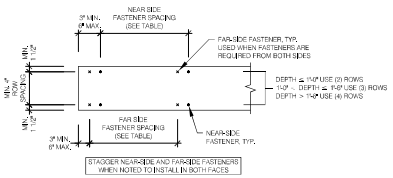
NOT TO SCALE



SIMPSON STRONG-TIE SCREWS TYPE	EDGE	END	ROW SPA.	SCREW SPA.	STAGGER
SDW TRUSS-PLY, SWP-PLY SDWS TIMBER SCREWS	1 1/2"	6"	4"	8"	5/8"
SDWS FRAMING SCREW	1"	3"	1"	2"	1/2"

STRUCTURAL SCREW FASTENING PATTERN DETAIL

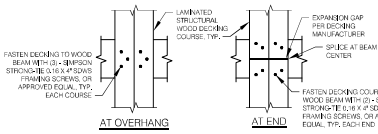
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SOLID SAWN LUMBER (2X6 TO 2X12)	2-PLY	10d COMMON @ 8" O.C., ONE FACE	CONTRACTOR TO FOLLOW FASTENING PATTERNS LISTED WITHIN TABLE FOR ALL BUILT-UP WOOD BEAMS AND HEADERS (U.N.O.). CONTRACTOR'S OPTION TO USE NAILS OR SIMPSON STRONG-TIE SDW SCREWS. SCREW PATTERN INFORMATION FOR SIMPSON STRONG-TIE HARDWARE ONLY. CONTRACTOR MAY SUBMIT ALTERNATE FASTENERS FOR APPROVAL. FASTENING PATTERN NOT APPLICABLE TO SIDE LOADED MEMBERS (HANGERS FASTENED TO FACE OF BEAM OR HEADER). (SEE SIDE LOADED MEMBER DETAIL THIS SHEET FOR ADDITIONAL FASTENING REQUIRED)
		SDW22300 @ 2'-0" O.C., ONE FACE	
	3-PLY WITH 1/2" SPACER	16d COMMON @ 1'-4" O.C., ONE FACE	
		SDW22338 @ 2'-0" O.C., ONE FACE	
	3-PLY	16d COMMON @ 1'-4" O.C., BOTH FACES	
		SDW22438 @ 2'-0" O.C., ONE FACE	
	3-PLY WITH 1/2" SPACERS	16d COMMON @ 1'-4" O.C., BOTH FACES	
		SDW22500 @ 2'-0" O.C., ONE FACE	
	4-PLY	--	
		SDW22600 @ 2'-0" O.C., ONE FACE	
ENGINEERED LUMBER (1 3/4" PER PLY)	2-PLY	16d COMMON @ 1'-4" O.C., ONE FACE	
		SDW22338 @ 2'-0" O.C., ONE FACE	
	3-PLY	16d COMMON @ 1'-4" O.C., BOTH FACES	
		SDW22500 @ 2'-0" O.C., ONE FACE	
	4-PLY	--	
		SDW22634 @ 2'-0" O.C., ONE FACE	

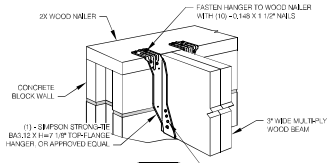
TYPICAL MULTI-PLY HORIZONTAL MEMBER FASTENING DETAIL

NOT TO SCALE



DECKING FASTENING DETAILS

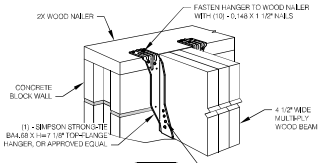
NOT TO SCALE



WD-1.0

CONNECTION DETAIL

NOT TO SCALE



WD-1.1

CONNECTION DETAIL

NOT TO SCALE



3-8-24

Universal DESIGN ASSOCIATES INC.
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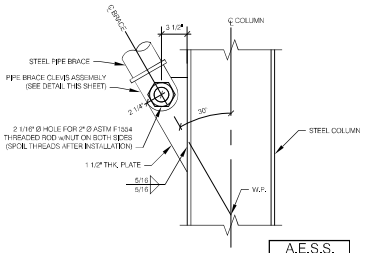
NO.	REMARKS	DATE

LINCOLN AMPHITHEATRE
AMPHITHEATRE IMPROVEMENTS
LINCOLN CITY, INDIANA

DRAWN: SCB
CHECKED: SCB
APPROVED: JCP

WOOD FRAMING DETAILS

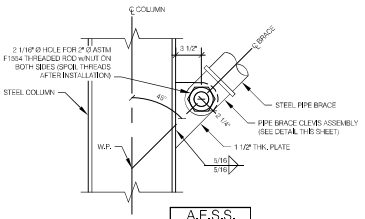
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DATE: 3-8-24
USA PROJECT NO.: LA23102
SAP PROJECT NO.: ENG2403730319
DRILL NO.: S10



ST-1.0 | A.E.S.S. ASSEMBLY

CONNECTION DETAIL

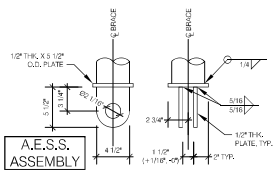
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ST-1.1 | A.E.S.S. ASSEMBLY

CONNECTION DETAIL

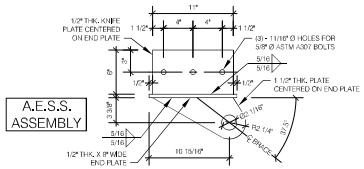
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A.E.S.S. ASSEMBLY

PIPE BRACE CLEVIS ASSEMBLY DETAIL

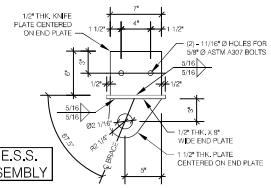
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A.E.S.S. ASSEMBLY

PIPE BRACE KNIFEPLATE ASSEMBLY #1 DETAIL

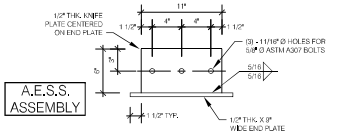
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A.E.S.S. ASSEMBLY

PIPE BRACE KNIFEPLATE ASSEMBLY #2 DETAIL

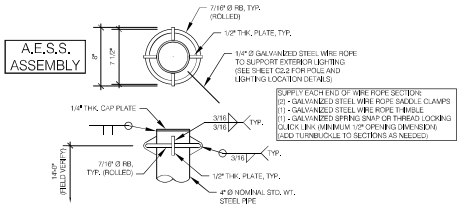
NOT TO SCALE



A.E.S.S. ASSEMBLY

CANOPY COLUMN KNIFEPLATE ASSEMBLY DETAIL

NOT TO SCALE



A.E.S.S. ASSEMBLY

EXTERIOR LIGHTING SUPPORT POST DETAIL

NOT TO SCALE

GENERAL NOTES:

1. THE CONTRACTOR SHALL FURNISH ALL NECESSARY LABOR, SUPERVISION, MATERIALS, APPLIANCES, EQUIPMENT AND SERVICES NECESSARY TO PROVIDE ANY WORK REQUIRED ON ALL PORTIONS OF THIS PROJECT.
2. ALL WORK SHALL CONFORM TO FEDERAL, STATE, AND LOCAL LAWS, CODES AND ORDINANCES THAT APPLY TO THIS CLASS OF WORK.
3. ALL WORK SHALL BE PERFORMED BY LICENSED CONTRACTORS EMPLOYING SKILLED CRAFTSMEN AND SHALL BE OF THE HIGHEST QUALITY IN ACCORDANCE WITH THE BEST PRACTICES OF EACH RESPECTIVE TRADE. THE CONTRACTOR SHALL WORK IN HARMONY WITH THE OWNERS REPRESENTATIVE(S) AND CONTRACTORS.
4. ALL DRAWINGS ARE SCHEMATIC AND EXACT CONDITIONS MUST BE VERIFIED AT THE SITE. ANY MATERIAL CONFLICTS BETWEEN DRAWINGS AND ACTUAL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER FOR RESOLUTION BEFORE WORK CONTINUES.
5. THE CONTRACTOR SHALL REVIEW ALL FRAMING PLANS FOR LOCATIONS AND QUANTITIES OF ALL HEADERS, BEAMS, COLUMNS, AND STRUCTURAL FRAMING REQUIRED. CONTACT THE ENGINEER FOR ANY STRUCTURAL DETAILS OR DIMENSIONS NOT SHOWN.
6. COPIES OF PERMITS, APPROVED SHOP DRAWINGS, AND COMPLETE SET OF CONTRACT DRAWINGS AND SPECIFICATIONS, MARKED UP-TO-DATE, WITH ALL REVISIONS SHALL BE KEPT ON SITE.
7. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH ALL DOCUMENTATION OF APPROVALS, BONDS, CERTIFICATES OF INSURANCE, NAMES, ADDRESSES AND TELEPHONE NUMBERS AS REQUESTED BY THE OWNER.
8. ACCESS TO CONSTRUCTION AREAS BY WORKMEN AND SUBCONTRACTORS TO BE COORDINATED WITH THE OWNER. IF PARKING IS AVAILABLE ON SITE ALL WORKMEN, SUPPLIERS AND SUBCONTRACTORS SHALL PARK THEIR VEHICLES AT DESIGNATED AREAS ONLY. THE CONTRACTOR SHALL COORDINATE REQUIREMENTS FOR CONSTRUCTION PARKING AND SCHEDULING DELIVERY OF MATERIALS.
9. THE CONTRACTOR SHALL ARRANGE FOR, ESTABLISH, AND MAINTAIN A SPACE TO CONTAIN APPROVED RUBBISH CONTAINERS AND REMOVE DEBRIS AT THE END OF EACH WORK DAY.
10. THE CONTRACTOR SHALL PROVIDE ADEQUATE FIRE EXTINGUISHERS AND REQUIRED SAFETY EQUIPMENT WITHIN THE PREMISES WHILE UNDER CONSTRUCTION.
11. CONFINE ALL WORK AND OPERATIONS TO AREAS WITHIN CONTRACT LIMITS.
12. THE CONTRACTOR ASSUMES FULL RESPONSIBILITY FOR PROTECTION AND SAFE-KEEPING OF MATERIALS AND EQUIPMENT STORED ON SITE AND WITHIN THE BUILDING.
13. ALL CONTRACTORS SHALL FOLLOW THE MATERIAL MANUFACTURERS RECOMMENDATIONS FOR STORAGE AND INSTALLATION OF THEIR PRODUCTS. ANY DEVIATION FROM THE MANUFACTURERS DIRECTIONS SHALL BE MADE AT THE CONTRACTORS RISK.
14. DO NOT UNREASONABLY ENCUMBER THE BUILDING WITH MATERIALS AND EQUIPMENT. DO NOT LOAD STRUCTURES WITH WEIGHT THAT WILL ENDANGER THE STRUCTURE.
15. THE ENGINEER IS NOT RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY SUPPORTS AND PROTECTIVE SYSTEMS REQUIRED DURING CONSTRUCTION TO PROTECT AND PROPERLY SUPPORT PORTIONS OF THE EXISTING STRUCTURE AND FRAMING AS NEEDED.
16. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MISCELLANEOUS SUPPORT FORMS, BLOCKING, HANGERS, HARDWARE, FITTINGS, ETC. NOT NECESSARILY SHOWN, BUT REQUIRED TO FULLY AND PROPERLY COMPLETE THE WORK.
17. USE CARE NOT TO DAMAGE ADJOINING SURFACES AND SURFACES SCHEDULED TO REMAIN. DAMAGES TO ADJOINING SURFACES OR SURFACES SCHEDULED TO REMAIN SHALL BE REPAIRED, PATCHED, OR REPLACED TO THE SATISFACTION OF THE OWNER AT THE EXPENSE OF THE CONTRACTOR THAT CAUSED THE DAMAGE. ALL PATCHING SHALL BE CONSISTENT WITH ADJOINING SURFACES.
18. CONTRACTOR SHALL PROVIDE BLOCKING IN WALLS AS REQUIRED FOR SUPPORTING CABINETS, SHELVING, HANDRAILS, TOILET & BATH ACCESSORIES ETC.
19. ABBREVIATIONS:
A.E.S.S. = ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
O.D. = OUTSIDE DIAMETER
U.N.O. = UNLESS NOTED OTHERWISE

STRUCTURAL STEEL NOTES:

1. ALL FABRICATED STRUCTURAL STEEL ASSEMBLIES NOT EXPOSED TO VIEW AND/OR NOT MARKED AS A.E.S.S. ARE CONSIDERED STANDARD STRUCTURAL STEEL ASSEMBLIES.
2. FABRICATOR AND ERECTOR SHALL FOLLOW ALL APPLICABLE PROVISIONS OF AISC 303 (CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES) AND THE PROJECT SPECIFICATIONS.
3. FABRICATOR TO SUBMIT STEEL SHOP DRAWINGS FOR APPROVAL BEFORE FABRICATION.
4. ALL PLATES AND BARS TO BE ASTM A36 (U.N.O.).
5. ALL CHANNELS AND ANGLES TO BE ASTM A36 (U.N.O.).
6. ALL STRUCTURAL SHAPES (W AND WT) TO BE ASTM A992 (U.N.O.).
7. ALL STEEL PIPE TO BE ASTM A53 GRADE B (U.N.O.).
8. ALL BOLTS SHALL BE ASTM A325 HEAVY HEX STRUCTURAL BOLTS WITH ASTM A563 HEAVY HEX NUTS (U.N.O.). ALL CONNECTIONS ARE BEARING TYPE AND SHALL USE STANDARD SIZE HOLES. BOLTS SHALL BE INSTALLED SNUG TIGHT PER THE LATEST VERSION OF THE RCSC SPECIFICATION.
9. ALL WELDING SHALL USE E70XX ELECTRODES AND FOLLOW APPLICABLE PROVISIONS OF AWS D1.1 (STRUCTURAL WELDING CODE-STEEL).
10. ALL WELDING SHALL BE PERFORMED BY A COMPETENT WELDER THAT IS AWS CERTIFIED TO PERFORM THE WELD TYPES AND POSITIONS SPECIFIED ON PROJECT DRAWINGS. SUBMIT WELDING CERTIFICATIONS FOR ALL PERSONNEL VERIFYING PROPER QUALIFICATIONS FOR THE WELDING TYPES AND POSITIONS SPECIFIED PRIOR TO PERFORMING WORK.
11. NO FIELD WELDING SHALL BE PERFORMED WITHOUT THE APPROVAL OF THE ENGINEER. ANY APPROVED FIELD WELDING SHALL BE INSPECTED AND APPROVED BY A CERTIFIED 3RD PARTY INSPECTING AGENCY AND THE ENGINEER BEFORE ANY FRAMING OR SERVICE LOADS CAN BE APPLIED.
12. ANY CONNECTIONS NOT DETAILED ARE THE RESPONSIBILITY OF THE FABRICATOR, BUT MUST BE SUBMITTED TO THE ENGINEER FOR REVIEW.
13. ALL DIMENSIONS SHOWN TO STEEL BEAMS OR COLUMNS ARE ASSUMED TO CENTERLINE OF MEMBER (U.N.O.). ALL DIMENSIONS TO STEEL ANGLES OR CHANNELS ARE ASSUMED TO BACK OF MEMBER (U.N.O.). BEAM AND COLUMN CENTERLINES SHALL BE ALIGNED AT CONNECTIONS (U.N.O.).

ARCHITECTURALLY EXPOSED STRUCTURAL STEEL NOTES:

1. ALL STRUCTURAL STEEL AND STEEL ASSEMBLIES EXPOSED TO VIEW AND/OR MARKED AS A.E.S.S. WITHIN PROJECT DRAWINGS SHALL BE CONSIDERED ARCHITECTURALLY EXPOSED STEEL ASSEMBLIES AND SHALL MEET THE FOLLOWING ADDITIONAL REQUIREMENTS.
2. ALL A.E.S.S. SHALL MEET LEVEL - 3 STANDARDS SET FORTH IN TABLE 10.1 OF AISC 303-16, IN LIEU OF VISUAL SAMPLES A SHOP INSPECTION OF THE ASSEMBLIES PRIOR TO COATING IS REQUIRED.
3. ALL A.E.S.S. SHALL BE SHOP FINISH COATED PRIOR TO SHIPMENT. THE COATING CONTRACTOR SHALL PROVIDE (1) UNOPENED GALLON KIT OF PRIMER AND FINISH COATINGS TO BE USED FOR FIELD TOUCH-UP.
4. MINIMUM SURFACE PREPARATION AND COATING SYSTEM FOR A.E.S.S.:
SURFACE PREPARATION: SSPC-SP6 (COMMERCIAL BLAST CLEAN).
PRIMER: TNEMEC SERIES 91-1400 HYDRO-ZINC PRIMER @ 2.5 TO 3.5 MILS DFT, OR APPROVED EQUAL
INTERMEDIATE: TNEMEC SERIES 1029 ENDURATONE @ 2.0 TO 3.0 MILS DFT, OR APPROVED EQUAL
FINISH: TNEMEC SERIES 1029 ENDURATONE (350R BLACK-MATTE) @ 2.0 TO 3.0 MILS DFT, OR APPROVED EQUAL
5. FOLLOW ALL COATING MANUFACTURERS GUIDELINES FOR SURFACE PREPARATION AND COATING APPLICATION PROCEDURES. PERFORM ALL SURFACE PREPARATION AND COATINGS APPLICATION IN THE SHOP. ALL DAMAGED SITES SHOULD BE CLEANED PER SSPC SP11 (BARE METAL POWER TOOL CLEANING) AND COATINGS APPLIED AS LISTED ABOVE.
6. ALTERNATE COATING SYSTEMS MAY BE SUBMITTED FOR REVIEW. SUBMIT ALL ALTERNATE COATING PRODUCT DATASHEETS TO ENGINEER FOR REVIEW PRIOR TO APPLICATION.

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NO.	REMARKS	DATE

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LINCOLN AMPHITHEATRE

AMPHITHEATRE IMPROVEMENTS

LINCOLN CITY, INDIANA

DRAWN: SCB | CHECKED: SCB | APPROVED: JCP

STRUCTURAL STEEL DETAILS

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

DATE: 3-8-24

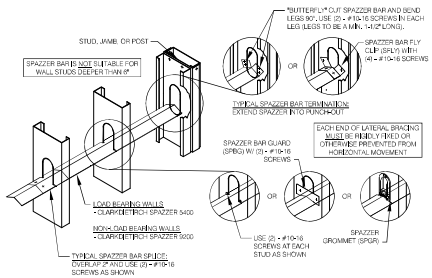
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DRILL NO.: S11

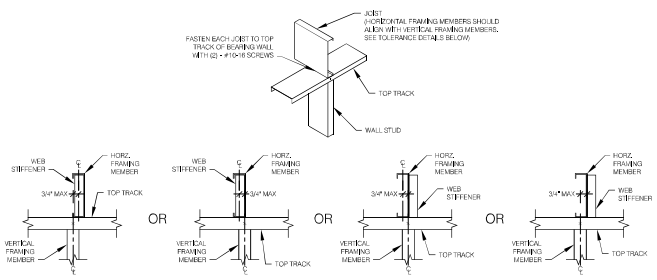


3-8-24



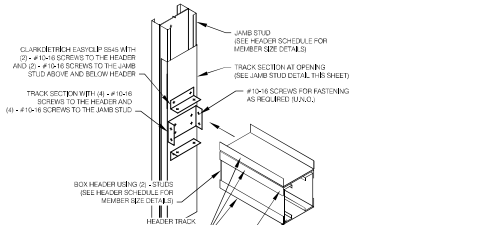
WALL BRIDGING DETAIL

NOT TO SCALE



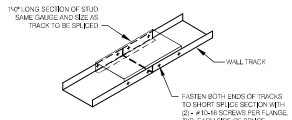
IN-LINE FRAMING DETAIL

NOT TO SCALE



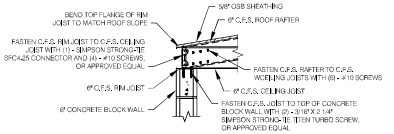
TYPICAL BOX HEADER DETAIL

NOT TO SCALE



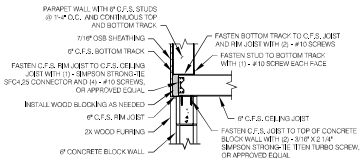
TRACK SPLICE DETAIL

NOT TO SCALE



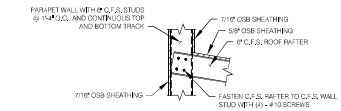
ROOF FRAMING DETAIL #1

SCALE: 3/4" = 1'-0"



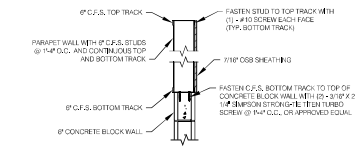
ROOF FRAMING DETAIL #2

SCALE: 3/4" = 1'-0"



ROOF FRAMING DETAIL #3

SCALE: 3/4" = 1'-0"



ROOF FRAMING DETAIL #4

SCALE: 3/4" = 1'-0"

NOTES:

1. SEE SHEET S11 FOR GENERAL NOTES.
2. ABBREVIATIONS:
   C.F.S. = COLD-FORMED STEEL
   O.C. = ON CENTER
   U.N.O. = UNLESS NOTED OTHERWISE

COLD-FORMED STEEL FRAMING NOTES:

1. ALL COLD-FORMED STEEL FRAMING AND INSTALLATION TO MEET AISI S202 (CODE OF STANDARD PRACTICE FOR COLD-FORMED STEEL STRUCTURAL FRAMING) (U.N.O.).
2. ALL COLD-FORMED STEEL FRAMING MEMBERS TO MEET AISI S100 (NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS) AND ASTM S240 (NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL STRUCTURAL FRAMING) REQUIREMENTS (U.N.O.).
3. TYPICAL NON-LOAD BEARING PARAPET WALL FRAMING SHALL CONSIST OF CLARKDIETRICH 20 GAUGE (33 KSI) WALL STUDS SPACED AT 1'-4" O.C. WITH CLARKDIETRICH 20 GAUGE (33 KSI) TOP AND BOTTOM TRACK. WALL FRAMING SHALL HAVE BRIDGING AT 4'-0" O.C., MAXIMUM.
   - 4" NOMINAL WALLS: 3 5/8" STUDS (362S137-33) WITH 3 5/8" TRACKS (362T125-33)
   - 6" NOMINAL WALLS: 6" STUDS (600S137-33) WITH 6" TRACKS (600T125-33)
3. TYPICAL CEILING JOISTS SHALL BE CLARKDIETRICH 6" DEEP 20 GAUGE (33 KSI) JOISTS (600S162-33) SPACED AT 1'-4" O.C.. JOISTS RIM SHALL BE CLARKDIETRICH 6" DEEP 20 (33 KSI) GAUGE RIM TRACK (600T125-33) (U.N.O.).
3. TYPICAL ROOF RAFTERS SHALL BE CLARKDIETRICH 6" DEEP 18 GAUGE (33 KSI) JOISTS (600S162-43) SPACED AT 1'-4" O.C.. JOISTS RIM SHALL BE CLARKDIETRICH 6" DEEP 18 (33 KSI) GAUGE RIM TRACK (600T125-43) (U.N.O.).
4. ALTERNATIVE COLD-FORMED STEEL FRAMING MEMBERS OF SAME DESIGNATION MAY BE SUBMITTED TO ENGINEER FOR REVIEW.
5. EACH JOIST OR OTHER HORIZONTAL FRAMING MEMBER SHALL BE ALIGNED WITH A WALL STUD OR VERTICAL FRAMING MEMBER AND FOLLOW STANDARD IN-LINE FRAMING PRACTICES AT ALL BEARING WALL LINES (SEE IN-LINE FRAMING DETAIL THIS SHEET).
6. SPLICES ARE NOT PERMITTED IN COLD-FORMED STEEL FRAMING MEMBERS EXCEPT FOR TOP AND BOTTOM TRACKS.
7. FOLLOW ALL MANUFACTURER'S GUIDELINES AND DETAILS SHOWN FOR ALL COLD-FORMED STEEL CONSTRUCTION HARDWARE AND FRAMING MEMBERS.



3-8-24

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LINCOLN AMPHITHEATRE

AMPHITHEATRE IMPROVEMENTS

LINCOLN CITY, ——— INDIANA

DRAWN	CHECKED	APPROVED
SCB	SCB	SCB

COLD-FORMED STEEL FRAMING DETAILS

SCALE: 3/4" = 1'-0"

DATE: 3-8-24

UDA PROJECT NO.: LA23102

DIR PROJECT NO.: ENG2403730319

DRWG NO.: S12

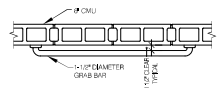
BUILDING "B"

NEW ALCOHOL SALES RENOVATION AND NEW RESTROOM ADDITION

CODE ANALYSIS		SECTION
APPLICABLE BUILDING CODES	2014 Indiana Building Code (based on 2012 International Building Code) 2014 Indiana Fire Prevention Code (based on 2012 International Fire Code) 2012 Indiana Plumbing Code (based on 2006 International Plumbing Code) 2014 Indiana Mechanical Code (based on 2012 International Mechanical Code) 2014 Indiana Fuel Gas Code (base on 2012 International Fuel Gas Code) 2008 Indiana Electrical Code (based on 2008 National Electrical Code) 2010 Indiana Energy Conservation Code (based on 2007 ASHRAE 90.1) ICC ANSI A117.1 2009 2010 ADA	
OCCUPANCY CLASSIFICATION		
Occupancy Classifications:	A-1 Amphitheater	303.4
BUILDING DESIGN REQUIREMENTS		
Construction Type:	V-B Unprotected Wood Construction	602.5
Fire Walls:	None In this building	706
Fire Barriers:	None In this building	707
Fire Doors:	None In this building	Table 716.5
Occupancy Separation:	N/A	508.4
Mezzanines:	N/A	505.2.3
BUILDING AREA AND HEIGHT REQUIREMENTS		
Allowable Building Area:	As = (At + [At X If] + [At X Is]) At = 5,500 At = Base Allowable Area 5,500 SF At x If = 24% If = Frontage Increase 1,320 SF At x Is = 0% Is = Sprinkler Increase + 0 SF ACTUAL FLOOR AREA: 2,160 SF/story MAX ALLOWABLE AREA: 6,820 SF/story	Table 503 506
Allowable Building Height:	40 feet/ 1 Stories base allowable building height	Table 503
FIRE PROTECTION REQUIREMENTS		
Automatic Sprinkler System:	Not Required: Not Provided System Type - N/A	903 903.3
Fire Alarm System:	Not Required: Not Provided	907.2
Smoke Detectors:	Not Required: Not Provided	907.2
OCCUPANT LOAD REQUIREMENTS		
Occupant Load Factor:	5 net sf/occ. Assembly (Queue Line) 200 gross sf/occ. Serving Area 300 gross sf/occ. Storage / Mechanical	Table 1004.1.2
Calculated Occupant Load: (Concessions Area Only)	Assembly (Queue Line) 309 sq ft / 5 sf/occ. = 62 occupants Serving Area 288 sq ft / 60 sf/occ. = 5 occupants Storage / Mechanical 140 sq ft / 300 sf/occ. = 1 occupants Calculated Occ. Load: 68 Anticipated Occ. Load: <25	
MEANS OF EGRESS REQUIREMENTS		
Exits Required:	2 exits required (IN ALCOHOL SALES AREA) 3 exits provided (IN ALCOHOL SALES AREA)	1 exit required (IN EACH RESTROOM / MECH SPACE) 1 exit provided (IN EACH RESTROOM / MECH SPACE)	Table 1015.1 1015
Max. Exit Travel Distance:	200'-0"		Table 1016.2
Stairways:	None In this building		1009
Corridors:	None In this building		1018
Ramps:	None In this building		1010
Handrails:	None In this building		1012
Guards:	None In this building		1013
Doors:	Width - 32" minimum, 48" maximum clear opening width for swinging egress doors Headroom - 80" minimum clear height		1008.1.1
Panic Hardware:	Required In Group A spaces with occupant load >50. Provided at all alcohol sales area exits.		1008.1.10
APPLICABLE VARIANCES		
	N/A	

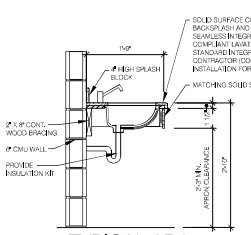
ACCESSORY MOUNTING HEIGHTS (FOR ADA COMPLIANCE)

Paper Towel/Trash Receptacle	48" A.F.F. to center of lever
Mirror	40" to bottom of reflective surface
Grab Bars	33" - 36" A.F.F.
Urinal	19" A.F.F. to top of rim
Toilet Paper Dispenser	Center of dispenser 19" A.F.F.
Fire Extinguisher Cabinet	Top of cabinet 54" A.F.F.
Wall Hung Fire Extinguisher	Top of Extinguisher 44" A.F.F.
Receptacles at Walls	Bottom of receptacle 18" A.F.F.
Receptacles at Counter Tops	Bottom of cover 1" above backsplash
Map Rack	Top of rack 84" A.F.F.
Room Signage	Center of sign 64" A.F.F.
Push Button Door Opener	Center of button 44" A.F.F.



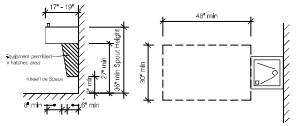
TYPICAL BLOCKING DETAIL

SCALE: 3/4" = 1'-0"

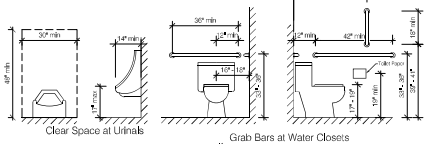


TYPICAL ADA SINK DETAIL "A"

SCALE: 3/4" = 1'-0"

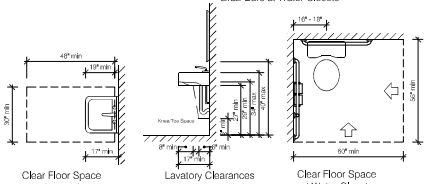


Drinking Fountain Clearances



Clear Space at Urinals

Grab Bars at Water Closets



Clear Floor Space at Lavatories

Lavatory Clearances

Clear Floor Space at Water Closets

ADA DETAILS

SCALE: 3/4" = 1'-0"

BUILDING "D"

EAST RESTROOMS WITH NEW ADDITION

CODE ANALYSIS		SECTION
APPLICABLE BUILDING CODES	2014 Indiana Building Code (based on 2012 International Building Code) 2014 Indiana Fire Prevention Code (based on 2012 International Fire Code) 2012 Indiana Plumbing Code (based on 2006 International Plumbing Code) 2014 Indiana Mechanical Code (based on 2012 International Mechanical Code) 2014 Indiana Fuel Gas Code (base on 2012 International Fuel Gas Code) 2008 Indiana Electrical Code (based on 2008 National Electrical Code) 2010 Indiana Energy Conservation Code (based on 2007 ASHRAE 90.1) ICC ANSI A117.1 2009 2010 ADA	
OCCUPANCY CLASSIFICATION		
Occupancy Classifications:	A-1 Amphitheater	303.4
BUILDING DESIGN REQUIREMENTS		
Construction Type:	V-B Unprotected Wood Construction	602.5
Fire Walls:	None In this building	706
Fire Barriers:	None In this building	707
Fire Doors:	None In this building	Table 716.5
Occupancy Separation:	N/A	508.4
Mezzanines:	N/A	505.2.3
BUILDING AREA AND HEIGHT REQUIREMENTS		
Allowable Building Area:	As = (At + [At X If] + [At X Is]) At = 5,500 At = Base Allowable Area 5,500 SF At x If = 47% If = Frontage Increase 2,585 SF At x Is = 0% Is = Sprinkler Increase + 0 SF ACTUAL FLOOR AREA: 1,886 SF/story MAX ALLOWABLE AREA: 8,085 SF/story	Table 503 506
Allowable Building Height:	40 feet/ 1 Stories base allowable building height	Table 503
FIRE PROTECTION REQUIREMENTS		
Automatic Sprinkler System:	Not Required: Not Provided System Type - N/A	903 903.3
Fire Alarm System:	Not Required: Not Provided	907.2
Smoke Detectors:	Not Required: Not Provided	907.2
OCCUPANT LOAD REQUIREMENTS		
Calculated Occupant Load:	Mechanical Rooms 408 sq ft / 300 sf/occ. = 2 occupants Calculated Occ. Load: 2	Table 1004.1.2
MEANS OF EGRESS REQUIREMENTS		
Exits Required:	1 exit required (IN EACH RESTROOM AND MECHANICAL SPACE) 1 exit provided (IN EACH RESTROOM AND MECHANICAL SPACE)	Table 1015.1 1015
Max. Exit Travel Distance:	200'-0"	Table 1016.2
Stairways:	None In this building	1009
Corridors:	None In this building	1018
Ramps:	None In this building	1010
Handrails:	None In this building	1012
Guards:	None In this building	1013
Doors:	Width - 32" minimum, 48" maximum clear opening width for swinging egress doors Headroom - 80" minimum clear height	1008.1.1
Panic Hardware:	N/A	1008.1.10
APPLICABLE VARIANCES		
	N/A	

MAIN SEATING STRUCTURES "A" AND "B"

ALTERNATE BID #3: 4, 7

CODE ANALYSIS		SECTION
APPLICABLE BUILDING CODES	2014 Indiana Building Code (based on 2012 International Building Code) 2014 Indiana Fire Prevention Code (based on 2012 International Fire Code) 2012 Indiana Plumbing Code (based on 2006 International Plumbing Code) 2014 Indiana Mechanical Code (based on 2012 International Mechanical Code) 2014 Indiana Fuel Gas Code (base on 2012 International Fuel Gas Code) 2008 Indiana Electrical Code (based on 2008 National Electrical Code) 2010 Indiana Energy Conservation Code (based on 2007 ASHRAE 90.1) ICC ANSI A117.1 2009 2010 ADA	
OCCUPANCY CLASSIFICATION		
Occupancy Classifications:	A-1 Amphitheater S-1 Storage	303.4 311.2
BUILDING DESIGN REQUIREMENTS		
Construction Type:	V-B Unprotected Wood Construction	602.5
Fire Walls:	None In this building	706
Fire Barriers:	1 hr	707
Fire Doors:	None In this building	Table 716.5
Occupancy Separation:	1 hr between A-1 and S-1	508.4
BUILDING AREA AND HEIGHT REQUIREMENTS		
Allowable Building Area:	As = (At + [At X If] + [At X Is]) At = 5,500 At = Base Allowable Area 5,500 SF At x If = 25% If = Frontage Increase 1,375 SF At x Is = 0% Is = Sprinkler Increase + 0 SF ACTUAL FLOOR AREA: 1,010 SF/story MAX ALLOWABLE AREA: 6,875 SF/story	Table 503 506
Allowable Building Height:	40 feet/ 1 Stories base allowable building height	Table 503
FIRE PROTECTION REQUIREMENTS		
Automatic Sprinkler System:	Not Required: Not Provided	903
Fire Alarm System:	Not Required: Not Provided	907.2
Smoke Detectors:	Not Required: Not Provided	907.2
OCCUPANT LOAD REQUIREMENTS		
Occupant Load Factor:	300 Gross sf/occ. Storage Areas	Table 1004.1.2
Calculated Occupant Load:	Storage Areas 433 sq ft / 300 sf/occ. = 2 occupants Calculated Occ. Load: 2	
MEANS OF EGRESS REQUIREMENTS		
Exits Required:	1 Exit from each space required; 1 Exit provided from each space	1015
Max. Exit Travel Distance:	200'-0"	Table 1016.2
Stairways:	Fire Rating - N/A Width - 36" minimum width Headroom - 80" minimum headroom clearance Riser Height - 4" minimum / 7" maximum Tread Depth - 11" minimum Landings - Width of landings shall not be less than the stair they serve Stair treads and risers shall be of uniform size and shape.	1009.1.2 1009.4 - Ex. 1 1009.3 1009.7.2 1009.8
Corridors:	None In this building	1018
Ramps:	None In this building	1010.2
Handrails:	Shall be provided on both sides of all stairways and all ramps with a vertical rise greater than 9". Height - 34" ≥ h ≥ 38" vertically above stair nosings or ramp surface and shall be uniform Extensions - Rails shall extend 12" beyond the top riser and continue to slope for the depth of one tread beyond the bottom riser and shall return to a wall, guard, or the walking surface.	1009.15/1010.8 1012.2 1012.6
Guards:	Shall be provided at any open-sided walking surface located more than 30" above adjacent grade or floor Height - 42" minimum above the floor, stair nosing, or ramp surface.	1013.2 1013.3
Doors:	Width - 32" minimum, 48" maximum clear opening width for swinging egress doors Headroom - 80" minimum clear height	1008.1.1
Panic Hardware:	N/A	1008.1.10
APPLICABLE VARIANCES		
	N/A	

VIEWING DECK

BOTH "A" AND "B"

CODE ANALYSIS		SECTION
APPLICABLE BUILDING CODES	2014 Indiana Building Code (based on 2012 International Building Code) 2014 Indiana Fire Prevention Code (based on 2012 International Fire Code) 2012 Indiana Plumbing Code (based on 2006 International Plumbing Code) 2014 Indiana Mechanical Code (based on 2012 International Mechanical Code) 2014 Indiana Fuel Gas Code (base on 2012 International Fuel Gas Code) 2008 Indiana Electrical Code (based on 2008 National Electrical Code) 2010 Indiana Energy Conservation Code (based on 2007 ASHRAE 90.1) ICC ANSI A117.1 2009 2010 ADA	
OCCUPANCY CLASSIFICATION		
Occupancy Classifications:	A-1 Amphitheater	303.4
BUILDING DESIGN REQUIREMENTS		
Construction Type:	V-B Unprotected Wood Construction	602.5
Fire Walls:	None In this building	706
Fire Barriers:	None In this building	707
Fire Doors:	None In this building	Table 716.5
Occupancy Separation:	N/A	508.4
Mezzanines:	N/A	505.2.3
BUILDING AREA AND HEIGHT REQUIREMENTS		
Allowable Building Area:	As = (At + [At X If] + [At X Is]) At = 5,500 At = Base Allowable Area 5,500 SF At x If = 25% If = Frontage Increase 1,375 SF At x Is = 0% Is = Sprinkler Increase + 0 SF ACTUAL FLOOR AREA: 1,010 SF/story MAX ALLOWABLE AREA: 6,875 SF/story	Table 503 506
Allowable Building Height:	40 feet/ 1 Stories base allowable building height	Table 503
FIRE PROTECTION REQUIREMENTS		
Automatic Sprinkler System:	Not Required: Not Provided System Type - N/A	903 903.3
Fire Alarm System:	Not Required: Not Provided	907.2
Smoke Detectors:	Not Required: Not Provided	907.2
OCCUPANT LOAD REQUIREMENTS		
Occupant Load Factor:	7 Net sf/occ. Assembly (chairs)	Table 1004.1.2
Calculated Occupant Load:	Assembly (chairs) 966 sq ft / 7 sf/occ. = 138 occupants Calculated Occ. Load: 138 Anticipated Occ. Load: <100	
MEANS OF EGRESS REQUIREMENTS		
Exits Required:	2 exits required 2 exits provided	Table 1015.1 1015
Max. Exit Travel Distance:	200'-0"	Table 1016.2
Stairways:	Fire Rating - N/A Width - 36" minimum width Headroom - 80" minimum headroom clearance Riser Height - 4" minimum / 7" maximum Tread Depth - 11" minimum Landings - Width of landings shall not be less than the stair they serve Stair treads and risers shall be of uniform size and shape.	1009.3.2 1009.4 - Ex. 1 1009.3 1009.7.2 1009.8
Corridors:	Fire Rating - Width - None in this building Dead-End -	1018.1 1018.2 1018.4
Ramps:	Slope - 1:12 (8%) maximum slope Cross Slope - 1:48 (2%) maximum cross slope Max. Rise - The rise for any single ramp run shall be 30" maximum Width - 36" minimum width Headroom - 80" minimum width	1010.3 1010.4 1010.5 1010.6.1 1010.6.2
Handrails:	Shall be provided on both sides of all stairways and all ramps with a vertical rise greater than 9". Height - 34" ≥ h ≥ 38" vertically above stair nosings or ramp surface and shall be uniform Extensions - Rails shall extend 12" beyond the top riser and continue to slope for the depth of one tread beyond the bottom riser and shall return to a wall, guard, or the walking surface.	1009.15/1010.8 1012.2 1012.6
Guards:	Shall be provided at any open-sided walking surface located more than 30" above adjacent grade or floor Height - 42" minimum above the floor, stair nosing, or ramp surface.	1013.2 1013.3
Doors:	Width - Headroom - None in this building	1008.1.1
Panic Hardware:	N/A	1008.1.10
APPLICABLE VARIANCES		
	N/A	

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DATE	BY	REMARKS

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Fax: 812-935-2401
e-mail: info@udesign.com
www.udesign.com

Universal DESIGN ASSOCIATES INC.

LINCOLN AMPHITHEATRE

AMPHITHEATRE IMPROVEMENTS

LINCOLN CITY, INDIANA

DRAWN: DWW
CHECKED: JAB
APPROVED: JAB

CODE ANALYSIS AND ADA DETAILS

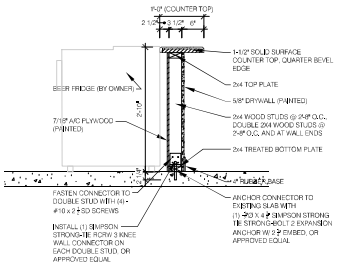
SCALE: N.T.S.

DATE: 3-8-24

UDA PROJECT NO.: LA23102

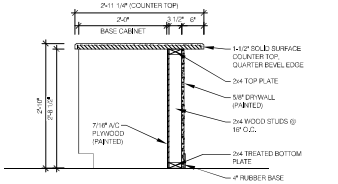
DNR PROJECT NO.: ENG2403730319

SHEET NO.: A1



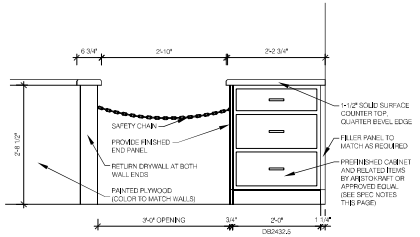
COUNTER SECTION "A"

SCALE: 3/4" = 1'-0"



COUNTER SECTION "B"

SCALE: 3/4" = 1'-0"

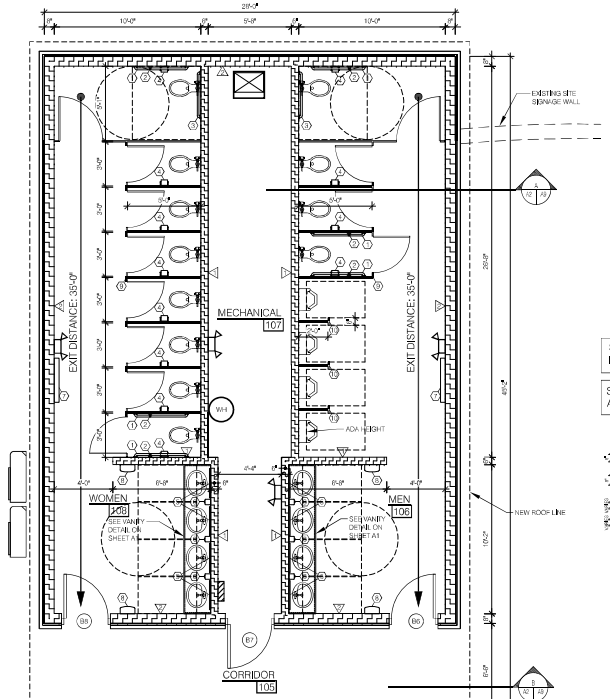


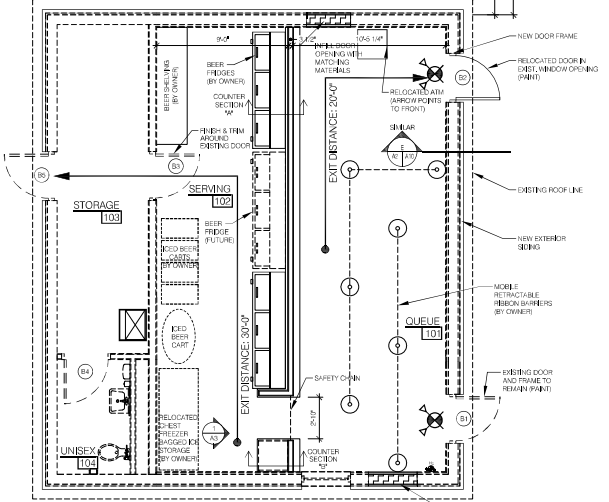
COUNTER ELEVATION 1

SCALE: 3/4" = 1'-0"

CABINET AND HARDWARE NOTES:

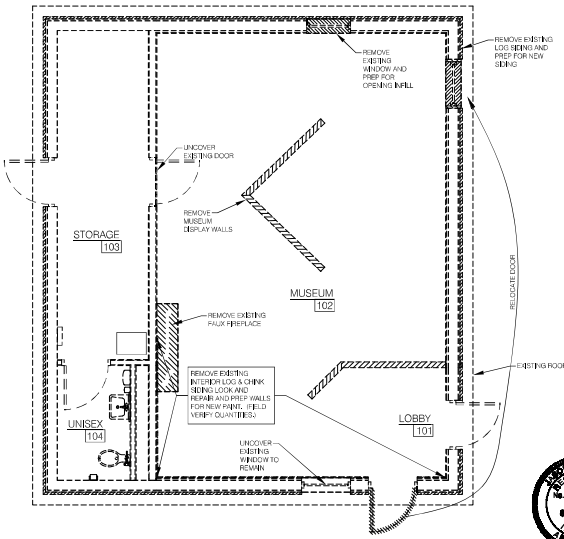
1.) Prefinished cabinet shall be Aristokraft Select construction cabinets, Brellin front panel design, PureStyle Stone Grey laminate finish. Door and drawer pulls shall be #BP53003-TB flat black pulls (96mm centers) as manufactured by Amerock (1-800-435-9859), verify finish with Engineer.





BUILDING "B" FLOOR PLAN / LIFE SAFETY PLAN

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



BUILDING "B" DEMOLITION PLAN

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

TOILET ACCESSORIES

	DESCRIPTION	MODEL #
1	1 1/2" x 42" GRAB BAR	BOBRICK B-6806x42
2	1 1/2" x 18" GRAB BAR	BOBRICK B-6806x18
3	1 1/2" x 36" GRAB BAR	BOBRICK B-6806x36
4	TOILET TISSUE DISPENSER	OWNER PROVIDED: G.C. TO INSTALL
5	18"x36" BEVELED GLASS MIRROR W/SHELF	BRADLEY 781S-018360
6	SOAP DISPENSER	OWNER PROVIDED: G.C. TO INSTALL
7	INFANT CHANGING STATION	KOALA KARE KB300-01
8	AUTOMATIC HAND DRYER	"1500W XLERATOR (BLACK W/HEAT)
9	TOILET PARTITION WALL	ASI Solid Plastic (HDPE), Black color
10	URINAL PARTITION WALL	ASI Solid Plastic (HDPE), Black color

TOILET ACCESSORY NOTES:

1. MOUNTING HEIGHTS SHALL MEET ADA 2010 REQUIREMENTS AND STATE BUILDING CODES, SEE SHEET A1 FOR DETAILS.
2. TOILET ACCESSORIES SHALL BE BY MANUFACTURERS LISTED OR APPROVED EQUAL.
3. ALL EXISTING RESTROOM ACCESSORIES TO REMAIN (UNLESS NOTED)
4. TOILET PARTITIONS SHALL BE FLOOR ANCHORED WITH OVERHEAD BRACING.

SEE SHEET A1 FOR CODE ANALYSIS INFORMATION.

SEE SHEET A1 FOR ALL ADA DETAILS AND EQUIPMENT MOUNTING HEIGHTS

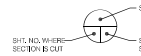
KEY TO PLAN

- 6" CMU BLOCK WALL
- 8" CMU BLOCK WITH 1-1/2" WOOD FURRING AND CONCRETE TIMBER SIDING
- EXISTING WALL TO BE REMOVED
- EXISTING WALL TO REMAIN
- DOOR NUMBER. SEE SCHEDULE ON SHEET A13.
- WINDOW TYPE (NOT USED THIS SHEET)
- ROOM NUMBER
- WALL CONSTRUCTION TYPE
- WALL HUNG FIRE EXTINGUISHER, TYPE ABC
- EMERGENCY EXIT SIGN / LIGHT
- EMERGENCY EGRESS LIGHT
- INTERIOR ELEVATION NUMBER, SHEET DRAWN

GENERAL NOTES

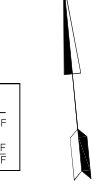
1. Contractors shall be responsible for visiting the job facilities and thoroughly acquainting themselves with work conditions and details. Contractor shall be required to field dimension all conditions to determine the quantity of materials required for the project.
2. All items removed shall become property of contractor unless noted otherwise. Owner has first right of refusal on any item to be removed.
3. General Contractor shall provide dumpster during construction for all contractors to use.
4. Any damages to the existing building during construction shall be repaired or replaced to original condition.
5. Contractor shall remove all scrap materials, cartons and other accumulated debris, including all existing debris and building materials removed from existing structure. Remove trash at the end of each day and dispose of lawfully. Special attention shall be given to pick up all nails, screws, masonry, etc. from grounds on a continuous basis.
6. All items required to be removed or repaired may not be listed in the notes. It is the contractor's responsibility to visit the job site to fully acquaint themselves with all required work to be performed as required for this renovation. The notes listed provide a diagrammatic outline of what is to be removed or repaired. The contractor shall include the unlisted required items in their bid. Contact Engineer or owner if there are any items of concern relating to this issue.
7. Repair all flaws at existing walls, floors, and ceilings at areas where walls, floors and ceilings are being removed as required to match surrounding materials to remain.
9. Any penetrations through existing walls, floors, and ceilings shall be repaired and caulked by the respective contractor.
10. See sheet A1 for ADA details and for mounting heights code compliance.
11. All Electrical lines, conduits, gas lines, etc. shall be reworked to be extended out to new surfaces.
12. All exposed electrical conduits and gas lines, and other exterior equipment shall be painted to match adjacent material. See sheet A13 for paint specifications.
13. Weather protection: Contractors shall review extended weather forecast at the beginning of each day. General contractor shall be responsible for continuously protecting the structure and interior of the building from water leakage or water damage. If water damage occurs, contractor shall bear the costs of repair or replacement of damage, back to the original condition.

SECTION CUT SYMBOL



SQUARE FOOTAGE

EXISTING BUILDING	896 SF
NEW ADDITION	1,264 SF
TOTAL BUILDING	2,160 SF





3-8-24

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NO.	REMARKS	DATE

LINCOLN AMPHITHEATRE
CONCOURSE IMPROVEMENTS
LINCOLN CITY, INDIANA

DRAWN: DWW
CHECKED: JAB
APPROVED: JAB

BUILDING "B" - DEMOLITION PLAN, FLOOR PLAN / LIFE SAFETY PLAN AND DETAILS

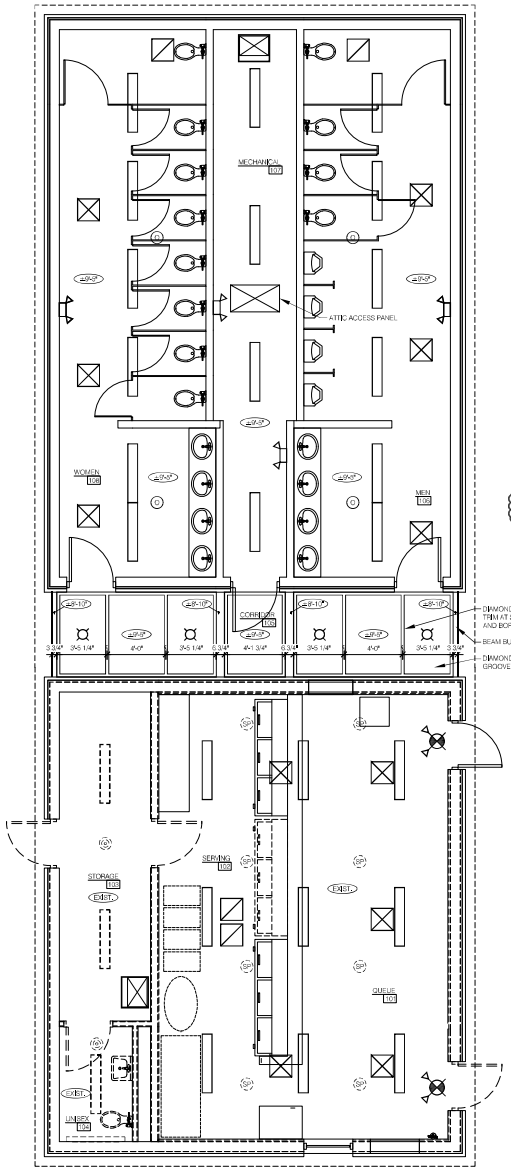
SCALE: 1/4" = 1'-0"

DATE: 3-8-24

UDA PROJECT NO.: LA23102

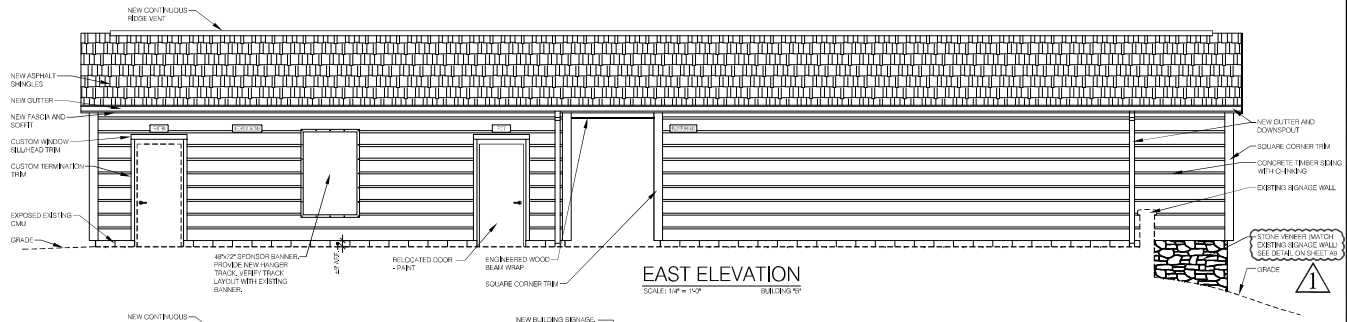
DNR PROJECT NO.: ENG2403730319

DRILL NO.: A2



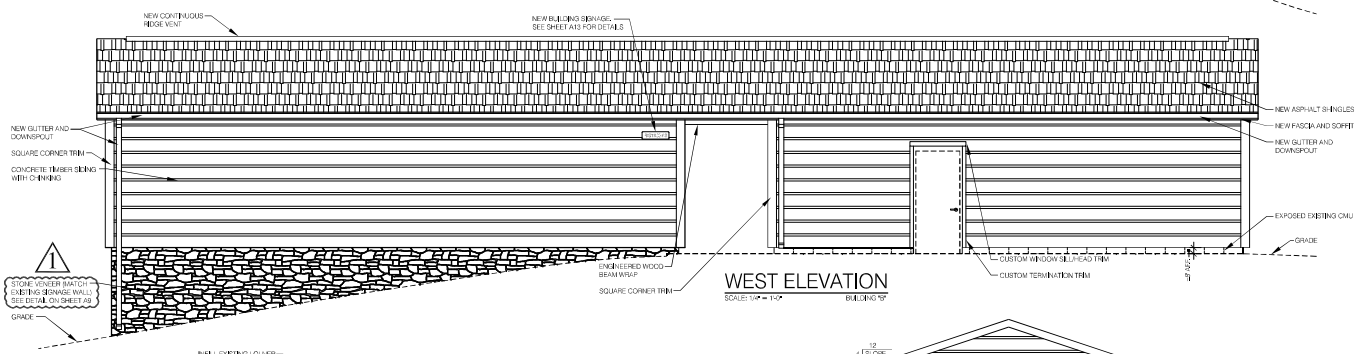
BUILDING "B" REFLECTED CEILING PLAN

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



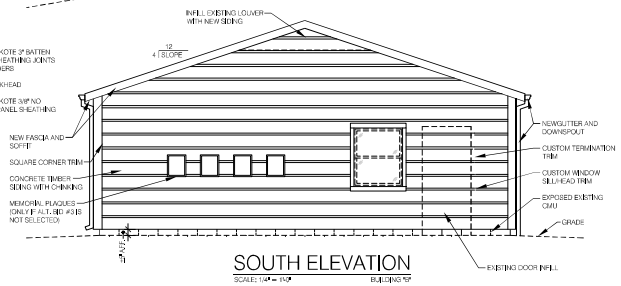
EAST ELEVATION

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



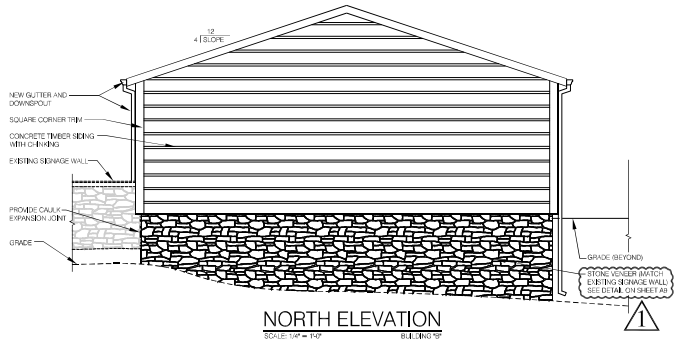
WEST ELEVATION

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



SOUTH ELEVATION

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



NORTH ELEVATION

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

LEGEND TO PLAN

- LIGHT FIXTURE
- LIGHT FIXTURE WITH EMERGENCY POWER
- DOWN LIGHT
- DOWN LIGHT WITH EMERGENCY POWER
- EXIT LIGHT
- EMERGENCY EGRESS LIGHTING
- SMOKE DETECTOR
- SP SPEAKER
- C CAMERA
- O OCCUPANCY SENSOR
- RETURN GRILLE
- SUPPLY DIFFUSER
- ACCESS PANEL
- 9'-0" CEILING HEIGHT

GENERAL NOTES

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SEE SHEET A13 FOR BUILDING SIGNAGE DETAILS.

SEE SHEET A13 FOR PAINT SPECIFICATIONS.

SEE SHEET A13 FOR OPENING TRIM AND CUSTOM SIDING BLOCK DETAILS.

REVISED: 3-12-24

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www.uda-design.com

NO.	DATE	REMARKS
1	3-12-24	PER REVISED SIGNAGE LOCATION

LINCOLN AMPHITHEATRE

CONCOURSE IMPROVEMENTS

LINCOLN CITY, INDIANA

DRAWN: DWW
CHECKED: JAB
APPROVED: JAB

BUILDING "B" EXTERIOR ELEVATIONS AND REFLECTED CEILING PLAN

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

DATE: 3-8-24
REV.: 3-12-24
UDA PROJECT NO.: LA23102
SITE PROJECT NO.: ENG2403730319
DRAWING NO.: A3

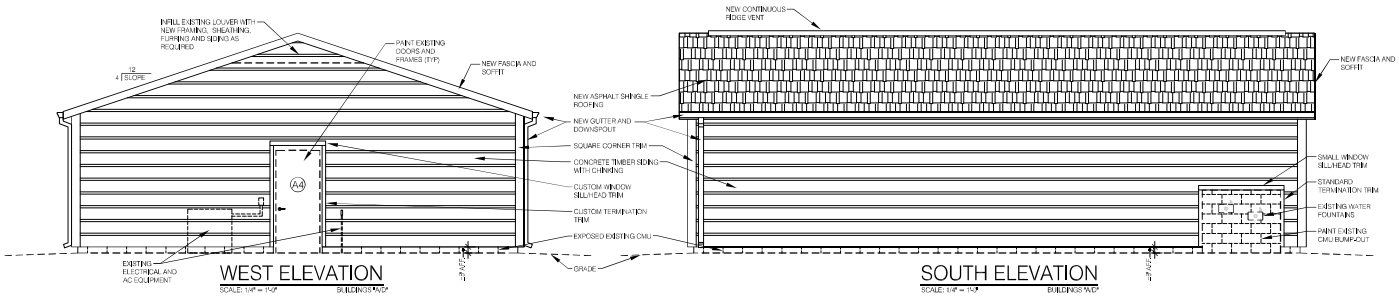
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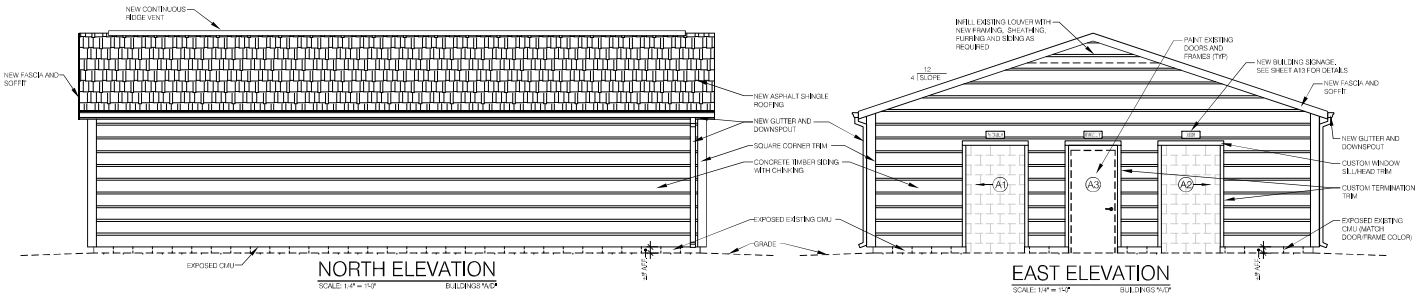
REGISTERED ARCHITECT No. AR11900184 STATE OF INDIANA

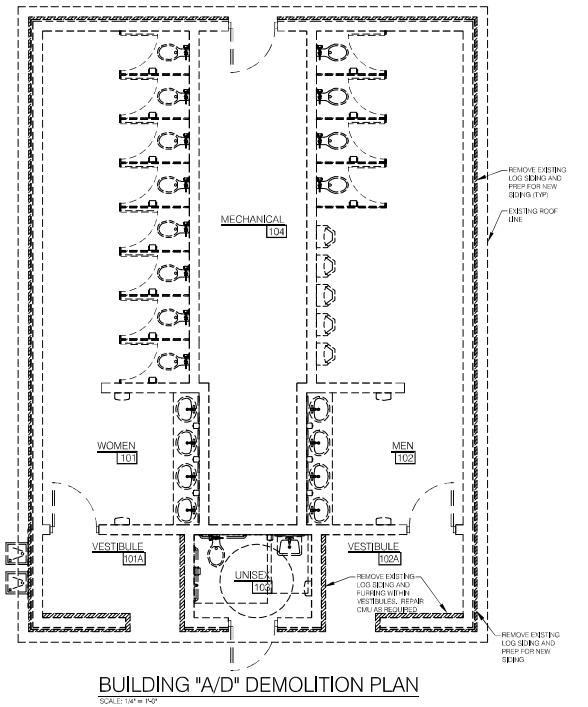
3-12-24

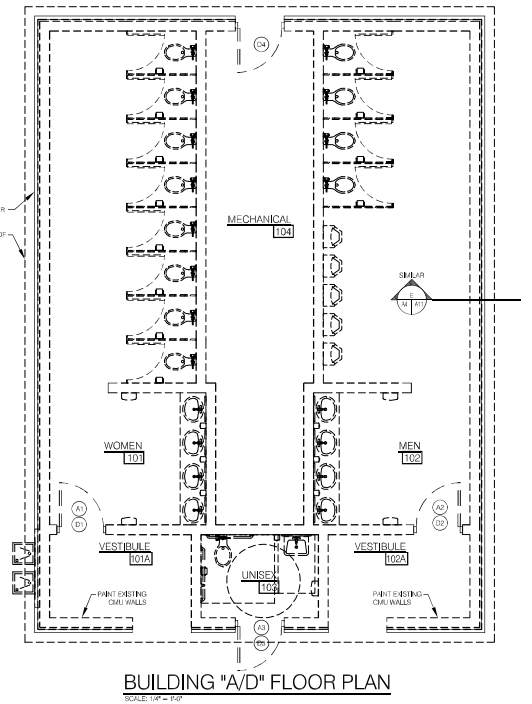
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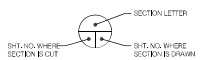








SECTION CUT SYMBOL



SEE SHEET A13 FOR OPENING TRIM AND CUSTOM SIDING BLOCK DETAILS.

SEE SHEET A13 FOR BUILDING SIGNAGE DETAILS.

SEE SHEET A13 FOR PAINT SPECIFICATIONS.

REGISTERED ARCHITECT No. AR11900764 STATE OF INDIANA

3-8-24

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e-mail: info@universaldesign.com
www.udaassoc.com

NO.	REMARKS	DATE

LINCOLN AMPHITHEATRE

AMPHITHEATRE IMPROVEMENTS

LINCOLN CITY, INDIANA

DRAWN: DWW
CHECKED: JAB
APPROVED: JAB

BUILDINGS A AND D PLAN AND ELEVATIONS

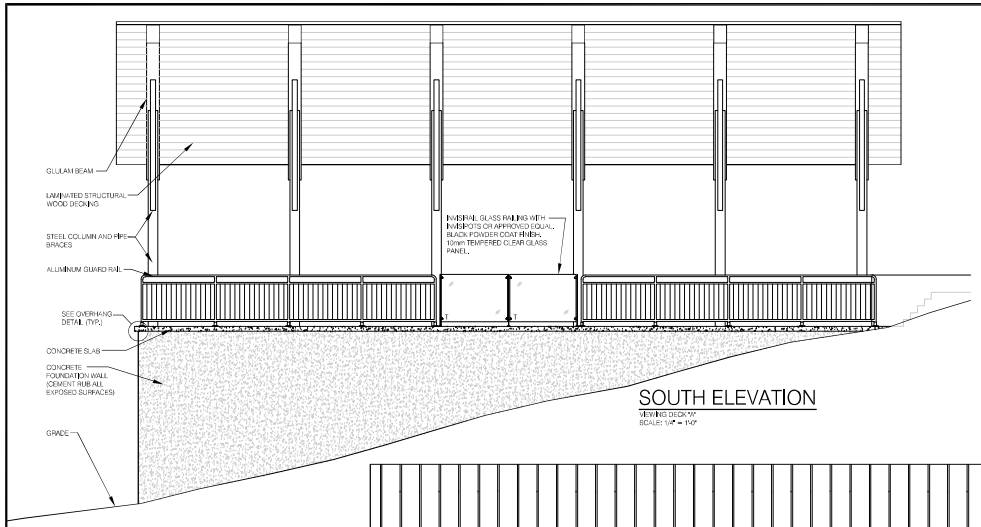
SCALE: 1/4" = 1'-0"

DATE: 3-8-24

UDA PROJECT NO.: LA23102

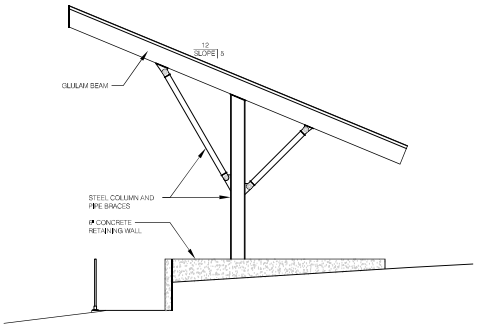
DIR PROJECT NO.: ENG2403730319

DRWG NO.: A4



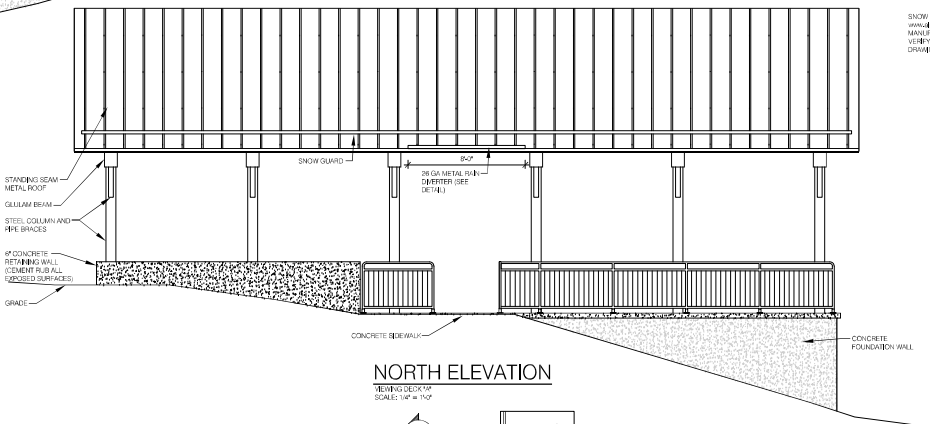
SOUTH ELEVATION

VIEWING DECK "A"
SCALE: 1/4" = 1'-0"



EAST ELEVATION

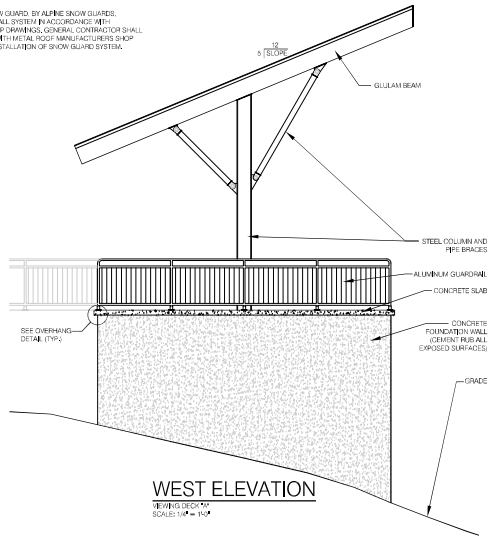
VIEWING DECK "A"
SCALE: 1/4" = 1'-0"



NORTH ELEVATION

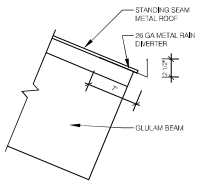
VIEWING DECK "A"
SCALE: 1/4" = 1'-0"

SNOW GUARD SHALL BE SNOWMAX FENCE STYLE SNOW GUARD, BY ALPINE SNOW GUARDS, www.alpinesnowguards.com OR APPROVED EQUAL. INSTALL SYSTEM IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SHOP DRAWINGS. GENERAL CONTRACTOR SHALL VERIFY LOCATION OF METAL ROOF STANDING SEAMS WITH METAL ROOF MANUFACTURERS SHOP DRAWINGS FOR QUANTITY OF CLAMPS NEEDED FOR INSTALLATION OF SNOW GUARD SYSTEM.



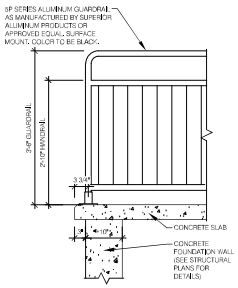
WEST ELEVATION

VIEWING DECK "A"
SCALE: 1/4" = 1'-0"



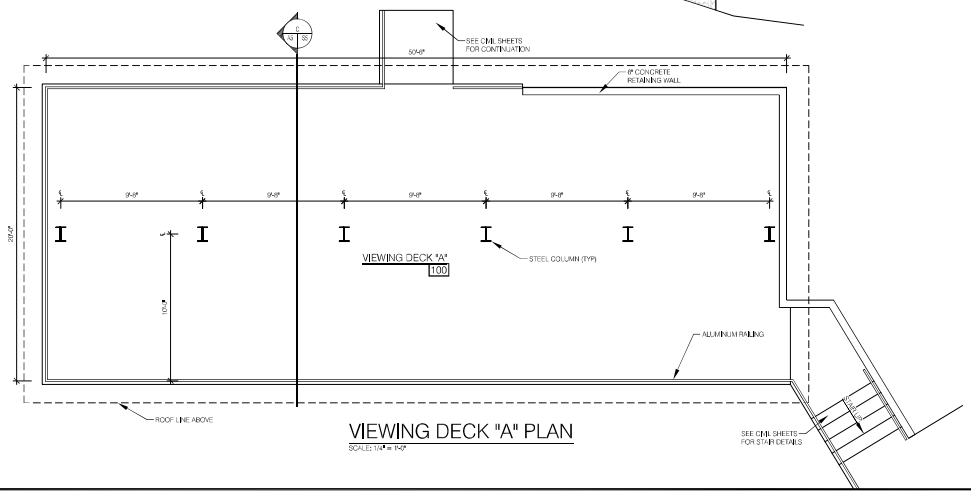
RAIN DIVERTER DETAIL

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



OVERHANG DETAIL

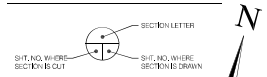
SCALE: 3/4" = 1'-0"

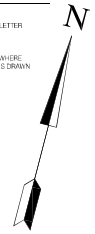


VIEWING DECK "A" PLAN

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

SECTION CUT SYMBOL







3-8-24

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Universal DESIGN ASSOCIATES INC.

LINCOLN AMPHITHEATRE

AMPHITHEATRE IMPROVEMENTS

LINCOLN CITY, INDIANA

DRAWN	CHECKED	APPROVED
DWW	JAB	JAB

VIEWING DECK-A PLANS AND ELEVATIONS

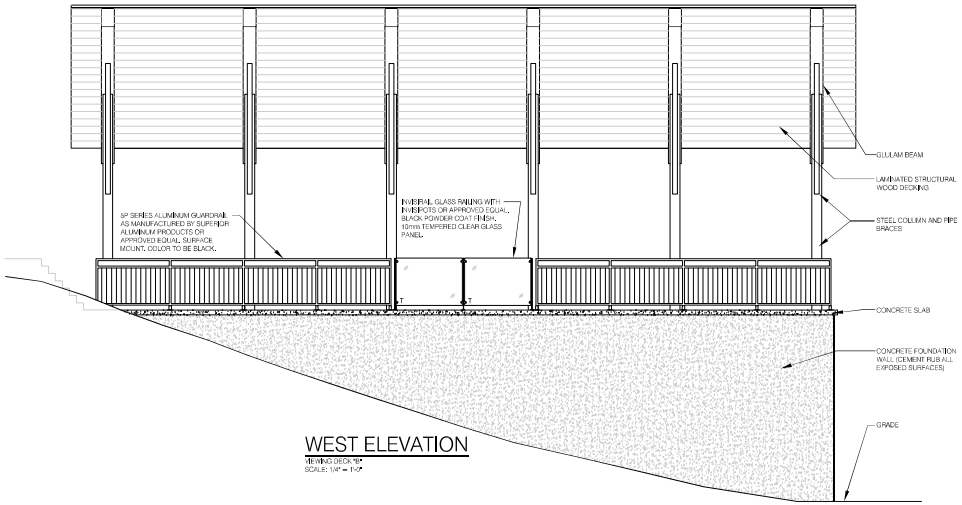
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DATE: 3-8-24

UDA PROJECT NO.: LA23102

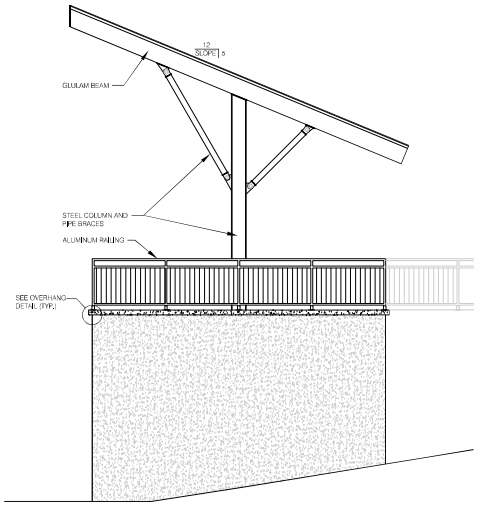
DPR PROJECT NO.: ENG2403730319

SHEET NO.: A5



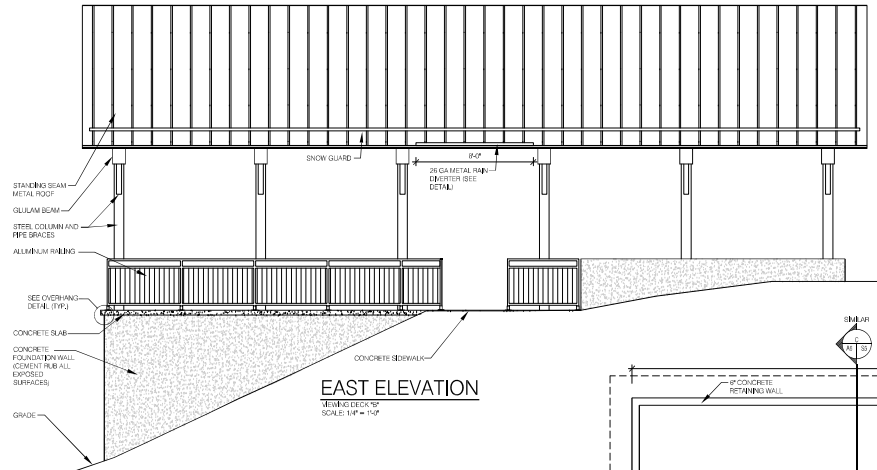
WEST ELEVATION

VIEWING DECK "B"
SCALE: 1/4" = 1'-0"



SOUTH ELEVATION

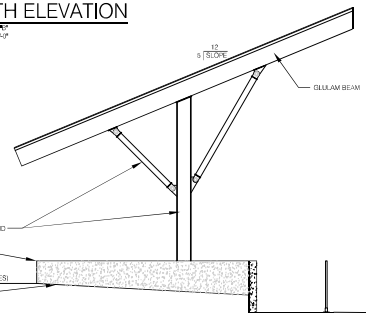
VIEWING DECK "B"
SCALE: 1/4" = 1'-0"



EAST ELEVATION

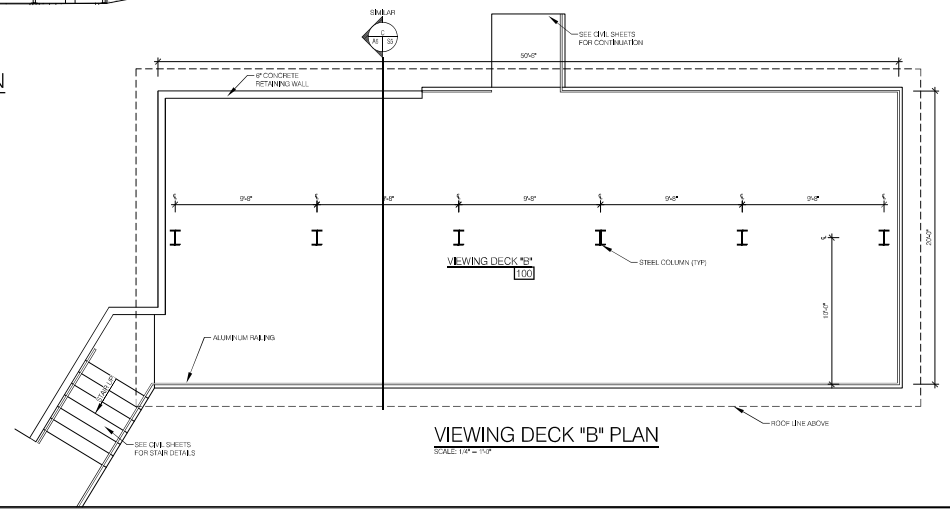
VIEWING DECK "B"
SCALE: 1/4" = 1'-0"

SNOW GUARD SHALL BE SNOWMAX FENCE STYLE SNOW GUARD, BY ALPINE SNOW GUARDS, www.alpinesnowguards.com OR APPROVED EQUAL. INSTALL SYSTEM IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND APPROVED SHOP DRAWINGS. GENERAL CONTRACTOR SHALL VERIFY LOCATION OF METAL ROOF STANDING SEAMS WITH METAL ROOF MANUFACTURERS SHOP DRAWINGS FOR QUANTITY OF CLAMPS NEEDED FOR INSTALLATION OF SNOW GUARD SYSTEM.



NORTH ELEVATION

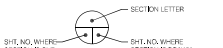
VIEWING DECK "B"
SCALE: 1/4" = 1'-0"



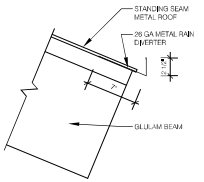
VIEWING DECK "B" PLAN

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

SECTION CUT SYMBOL

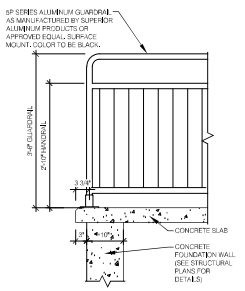






RAIN DIVERTER DETAIL

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



OVERHANG DETAIL

SCALE: 3/4" = 1'-0"

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NO.	REMARKS	DATE
1	ISSUED FOR PERMIT	8-8-24

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LINCOLN AMPHITHEATRE

AMPHITHEATRE IMPROVEMENTS

LINCOLN CITY, INDIANA

DRAWN	DWW
CHECKED	JAB
APPROVED	JAB

VIEWING DECK & PLANS AND ELEVATIONS

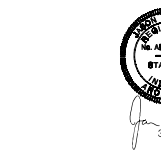
SCALE: 1/4" = 1'-0"

DATE: 3-8-24

LDA PROJECT NO.: LA23102

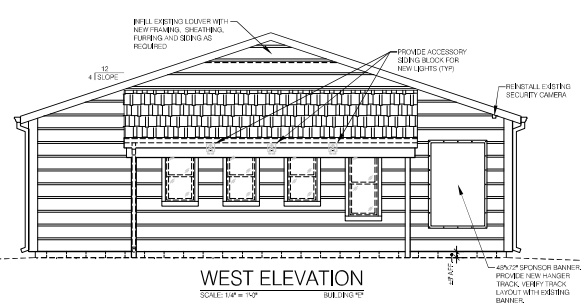
DPR PROJECT NO.: ENG2403730319

SHEET NO.: A6

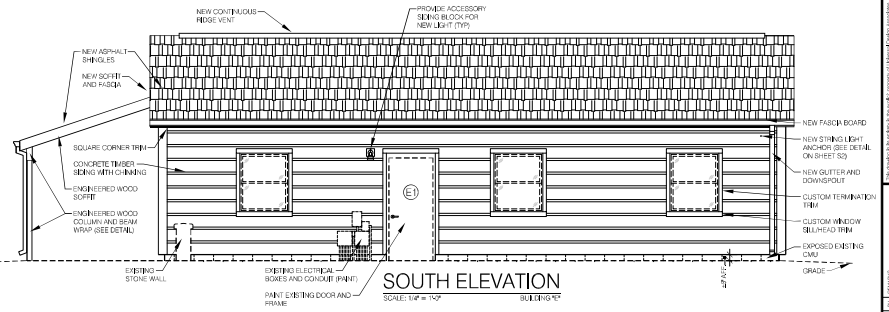


GENERAL NOTES

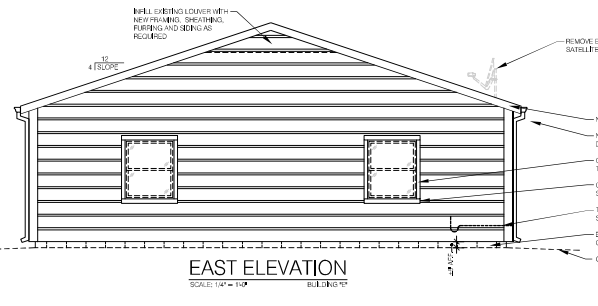
1. Contractors shall be responsible for visiting the job facilities and thoroughly acquainting themselves with work conditions and details. Contractor shall be required to field dimension all conditions to determine the quantity of materials required for the project.
2. All items removed shall become property of contractor unless noted otherwise. Owner has first right of refusal on any item to be removed.
3. General Contractor shall provide dumpster during construction for all contractors to use.
4. Any damages to the existing building during construction shall be repaired or replaced to original condition.
5. Contractor shall remove all scrap materials, cartons and other accumulated debris, including all existing debris and building materials removed from existing structure. Remove trash at the end of each day and dispose of lawfully. Special attention shall be given to pick up all nails, screws, masonry, etc. from grounds on a continuous basis.
6. All items required to be removed or repaired may not be listed in the notes. It is the contractor's responsibility to visit the job site to fully acquaint themselves with all required work to be performed as required for this renovation. The notes listed provide a diagrammatic outline of what is to be removed or repaired. The contractor shall include the unlisted required items in their bid. Contact Engineer or owner if there are any items of concern relating to this issue.
7. Repair all flaws at existing walls, floors, and ceilings at areas where walls, floors and ceilings are being removed as required to match surrounding materials to remain.
9. Any penetrations through existing walls, floors, and ceilings shall be repaired and caulked by the respective contractor.
10. See sheet A1 for ADA details and for mounting heights code compliance.
11. All Electrical lines, conduits, gas lines, etc. shall be reworked to be extended out to new surfaces.
12. All exposed electrical conduits and gas lines, and other exterior equipment shall be painted to match adjacent material. See sheet A13 for paint specifications.
13. Weather protection: Contractors shall review extended weather forecast at the beginning of each day. General contractor shall be responsible for continuously protecting the structure and interior of the building from water leakage or water damage. If water damage occurs, contractor shall bear the costs of repair or replacement of damage, back to the original condition.



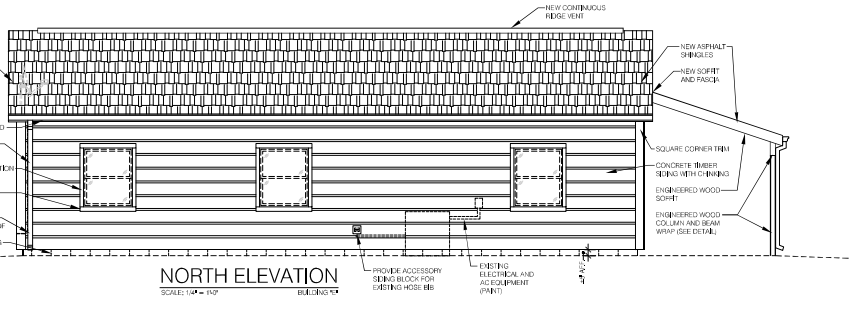
WEST ELEVATION
SCALE: 1/4" = 1'-0" BUILDING "C"



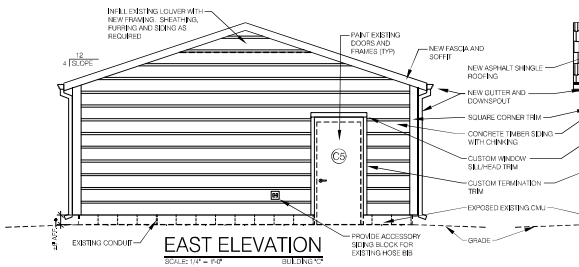
SOUTH ELEVATION
SCALE: 1/4" = 1'-0" BUILDING "C"



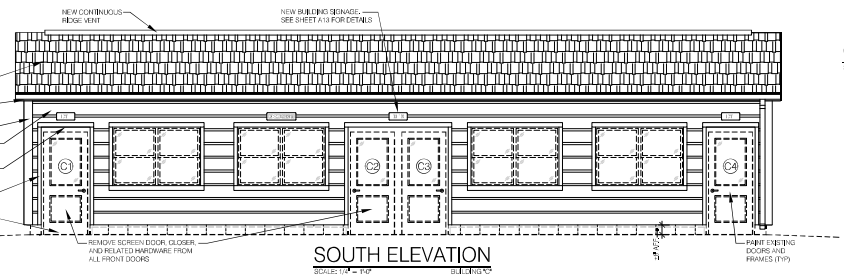
EAST ELEVATION
SCALE: 1/4" = 1'-0" BUILDING "C"



NORTH ELEVATION
SCALE: 1/4" = 1'-0" BUILDING "C"



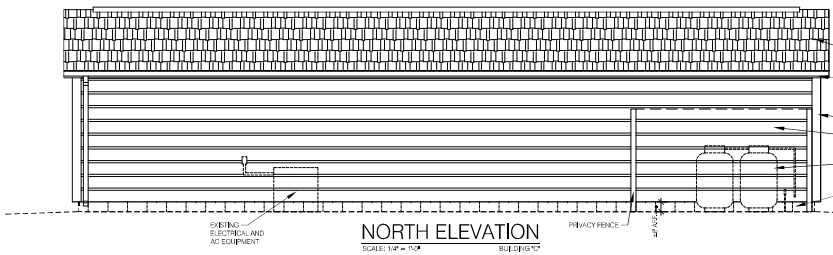
EAST ELEVATION
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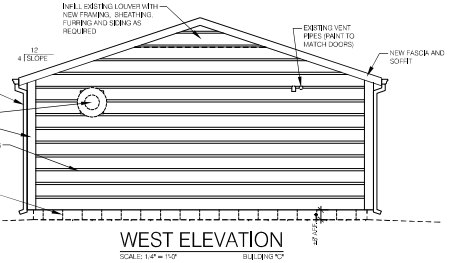
SOUTH ELEVATION
SCALE: 1/4" = 1'-0" BUILDING "C"



COLUMN WRAP DETAIL
SCALE: 1 1/2" = 1'-0"



NORTH ELEVATION
SCALE: 1/4" = 1'-0" BUILDING "C"



WEST ELEVATION
SCALE: 1/4" = 1'-0" BUILDING "C"

SEE SHEET A13 FOR BUILDING SIGNAGE DETAILS.

SEE SHEET A13 FOR PAINT SPECIFICATIONS.

SEE SHEET A13 FOR OPENING TRIM AND CUSTOM SIDING BLOCK DETAILS.

BUILDINGS "C & E" SCOPE OF WORK LIMITED TO EXTERIOR MODIFICATIONS ONLY.

KEY TO PLAN

(W) DOOR NUMBER, SEE DOOR SCHEDULE ON SHEET A13 FOR DETAILS.



3-8-24

NO.	REMARKS	DATE

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LINCOLN AMPHITHEATRE
AMPHITHEATRE IMPROVEMENTS
LINCOLN CITY, INDIANA

DRAWN	CHECKED	APPROVED
DWW	JAB	JAB

BUILDINGS C & E ELEVATIONS

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

DATE: 3-8-24

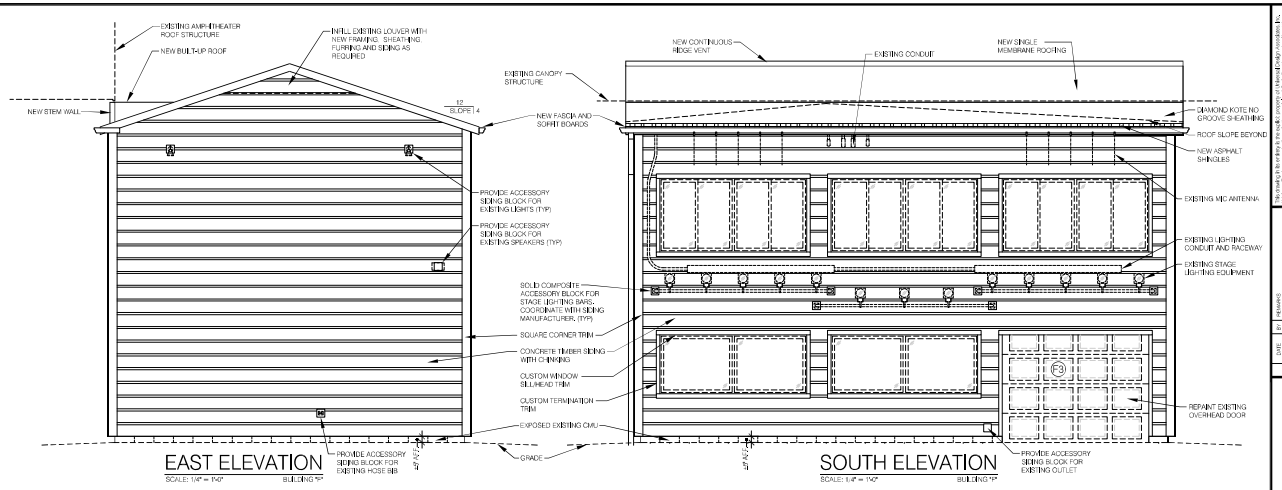
UDA PROJECT NO.: LA23102

DNR PROJECT NO.: ENG2403730319

DRWG NO.: A7

GENERAL NOTES

1. Contractors shall be responsible for visiting the job facilities and thoroughly acquainting themselves with work conditions and details. Contractor shall be required to field dimension all conditions to determine the quantity of materials required for the project.
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SEE SHEET A13 FOR OPENING TRIM AND CUSTOM SIDING BLOCK DETAILS.

SEE SHEET A13 FOR PAINT SPECIFICATIONS.

BUILDING "F" SCOPE OF WORK LIMITED TO EXTERIOR MODIFICATIONS ONLY.

KEY TO PLAN

(W) DOOR NUMBER, SEE DOOR SCHEDULE ON SHEET A13 FOR DETAILS.

REGISTERED ARCHITECT No. AR11900194 STATE OF INDIANA ARCHITECT

3-8-24

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NO.	DATE	REVISIONS

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LINCOLN AMPHITHEATRE

AMPHITHEATRE IMPROVEMENTS

LINCOLN CITY, INDIANA

DRAWN: DWW
CHECKED: JAB
APPROVED: JAB

BUILDING F ELEVATIONS

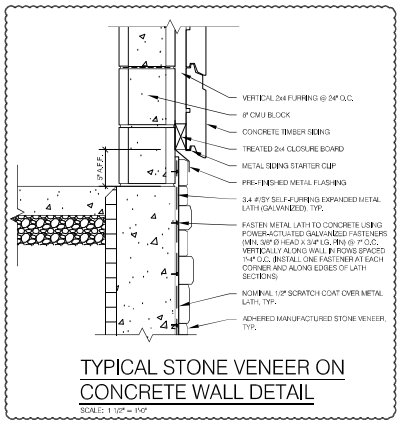
SCALE: 1/4" = 1'-0"

DATE: 3-8-24

UDA PROJECT NO.: LA23102

SITE PROJECT NO.: ENG2403730319

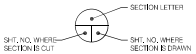
DRILL NO.: A8

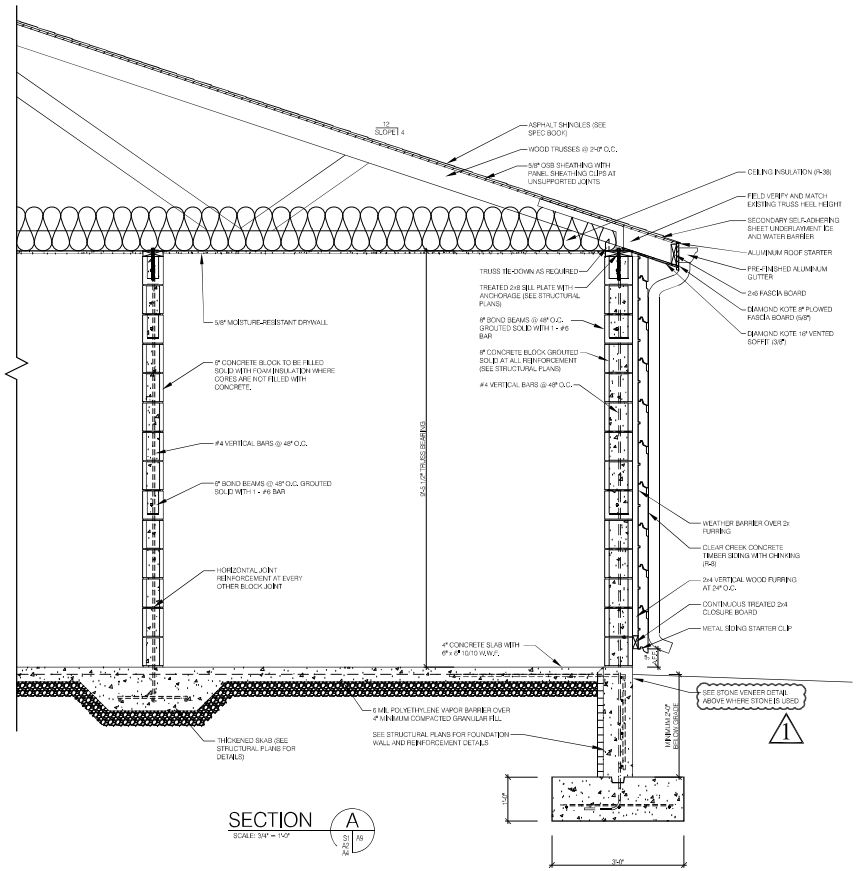


TYPICAL STONE VENEER ON CONCRETE WALL DETAIL

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

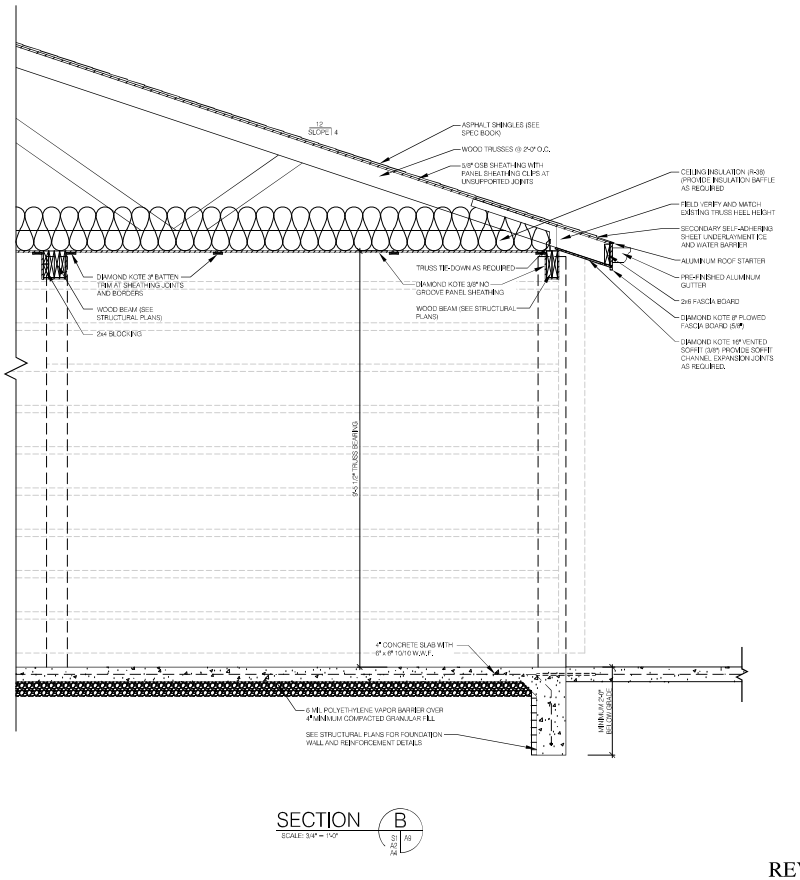
SECTION CUT SYMBOL





SECTION A

SCALE: 3/4" = 1'-0"



SECTION B

SCALE: 3/4" = 1'-0"

REVISED: 3-12-24

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Fax: 8103675-2401
universaldesign@mtco.com
www.uda-design.com

NO.	DATE	REMARKS
1	3-12-24	PER SEC. CODE REVIEW COMMENTS

LINCOLN AMPHITHEATRE

AMPHITHEATRE IMPROVEMENTS

LINCOLN CITY, INDIANA

DRAWN: DWW
CHECKED: JAB
APPROVED: JAB

BUILDING SECTIONS A-B

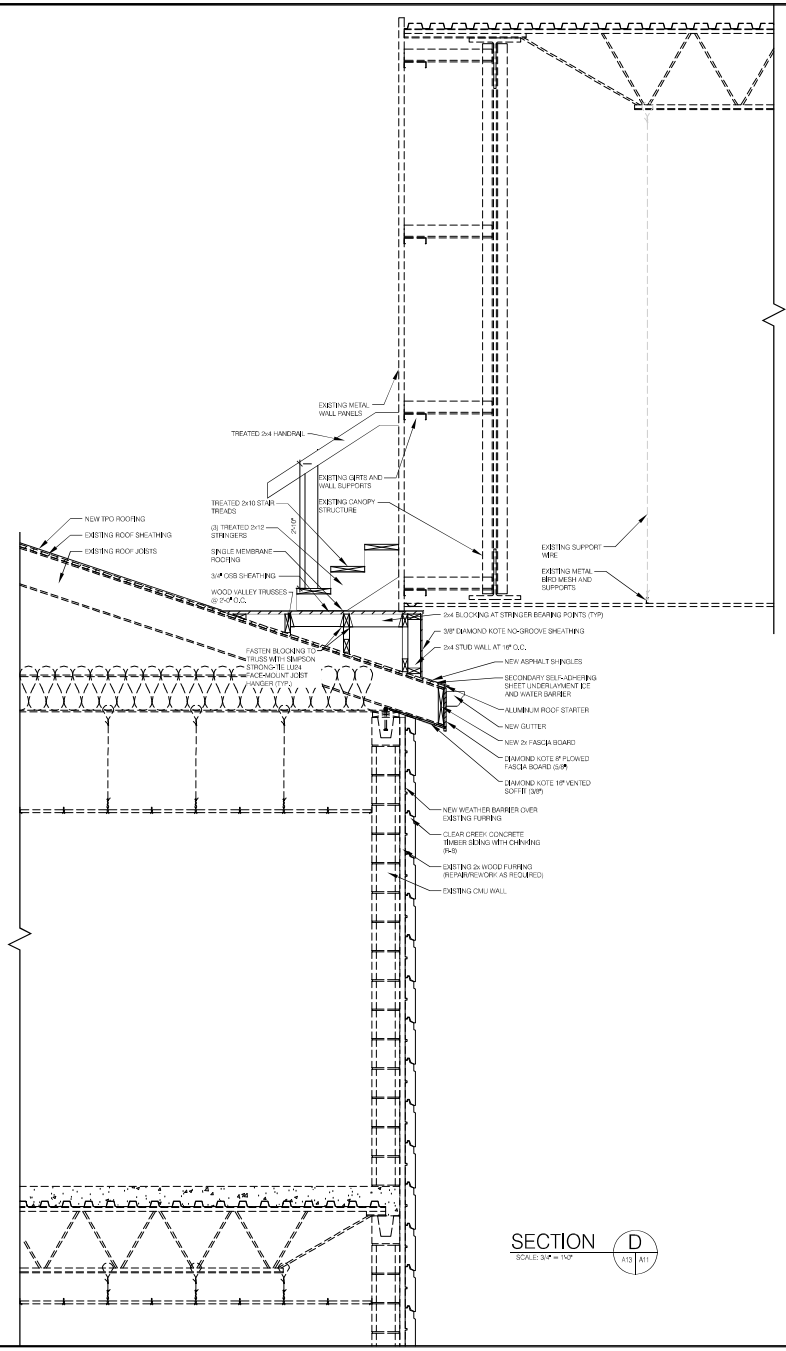
SCALE: 3/4" = 1'-0"

DATE: 3-8-24
REV.: 3-12-24
UDA PROJECT NO.: LA23102
SITE PROJECT NO.: ENG2403730319
DRILL NO.: A9

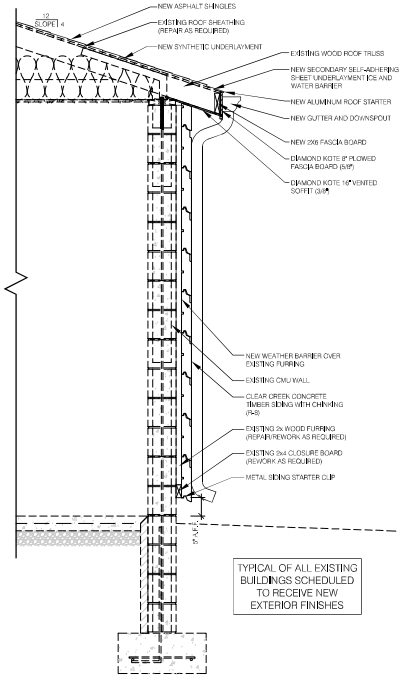
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STATE OF INDIANA REGISTERED ARCHITECT No. AR11900141

3-12-24



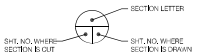
SECTION D
SCALE: 3/4" = 1'-0"

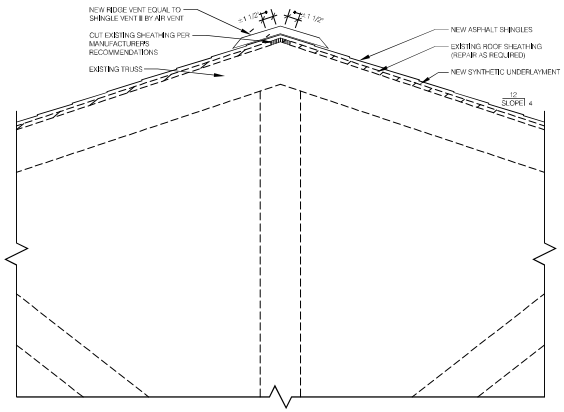


TYPICAL OF ALL EXISTING BUILDINGS SCHEDULED TO RECEIVE NEW EXTERIOR FINISHES

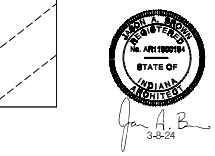
SECTION E
SCALE: 3/4" = 1'-0"

SECTION CUT SYMBOL





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



3-8-24

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DATE	BY	REMARKS
8-1-24	DWW	ADDENDUM #1

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www.uda-design.com

LINCOLN AMPHITHEATRE

AMPHITHEATRE IMPROVEMENTS

LINCOLN CITY, INDIANA

DRAWN	CHECKED	APPROVED
DWW	JAB	JAB

BUILDING SECTIONS D-E-F

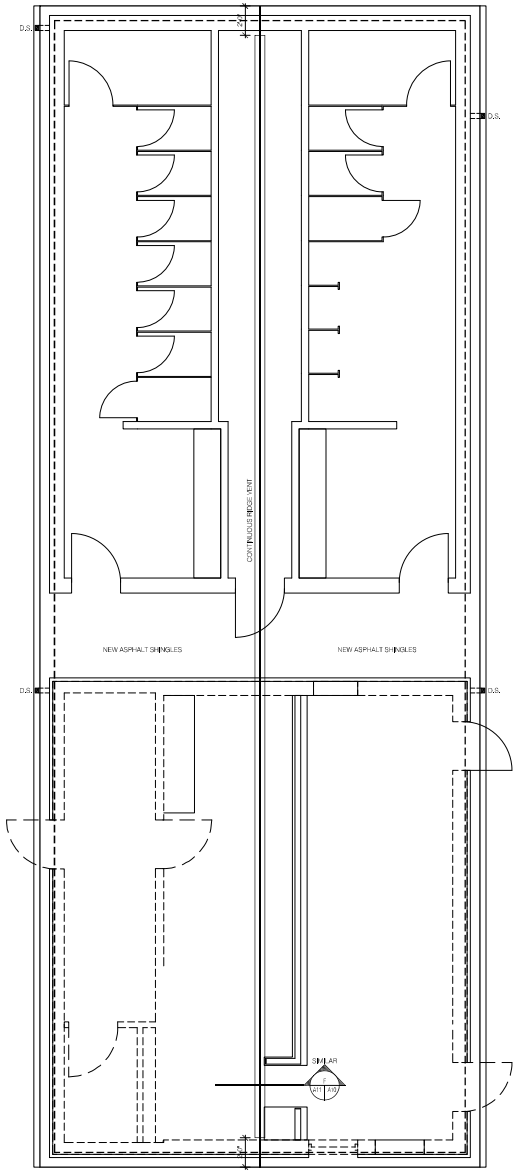
SCALE: 3/4" = 1'-0"

DATE: 3-8-24

UDA PROJECT NO.: LA23102

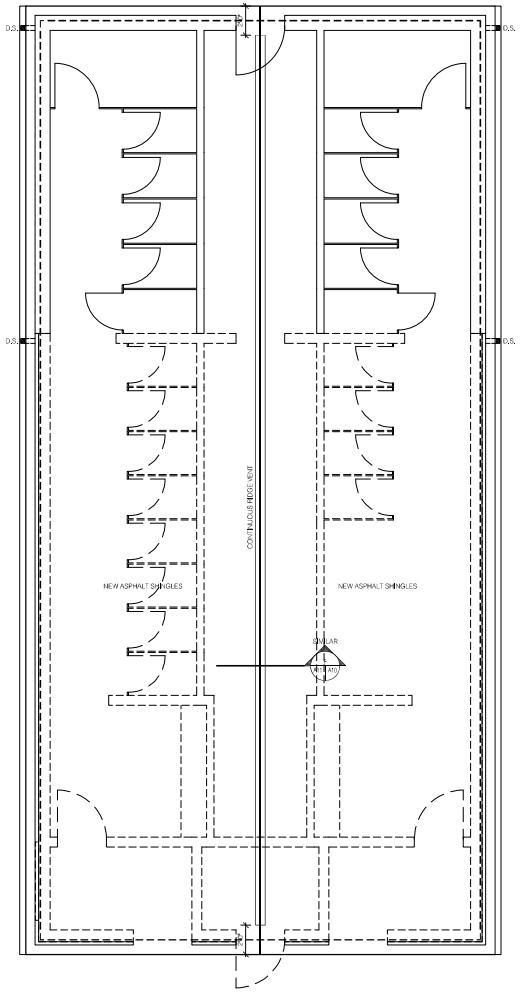
SITE PROJECT NO.: ENG2403730319

DRILL NO.: A10



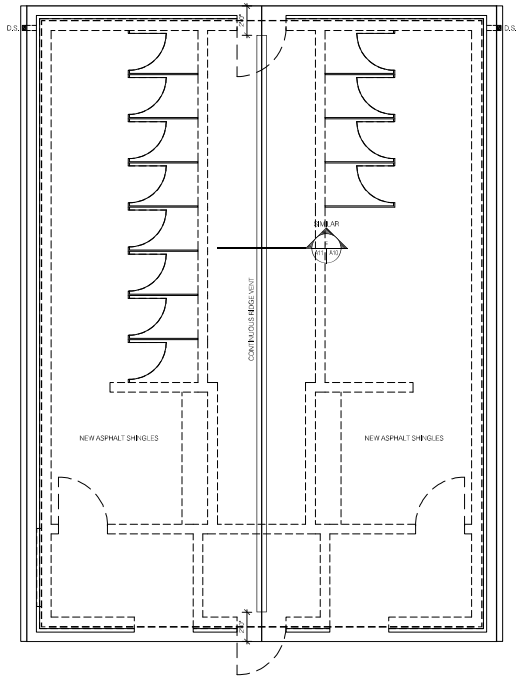
BUILDING "B" ROOF PLAN

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



BUILDING "D" ROOF PLAN

SCALE: 1/4" = 1'-0" ALTERNATE BID 2 SHOWN



BUILDING "A" ROOF PLAN

SCALE: 1/4" = 1'-0" BUILDING 'D' SIMILAR IF ALTERNATE IS NOT SELECTED



3-8-24

NO.	REMARKS	DATE

Universal DESIGN ASSOCIATES INC.
310 Main Street
Lowell, IN 46356
Phone: 8 19 696-2931
Fax: 8 19 696-2401
e-mail: info@universaldesign.com
www.uda9000.com

LINCOLN AMPHITHEATRE

AMPHITHEATRE IMPROVEMENTS

LINCOLN CITY, INDIANA

DRAWN	CHECKED	APPROVED
DWW	JAB	JAB

ROOF PLANS

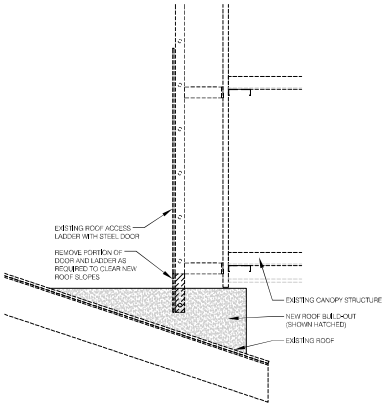
SCALE: 1/4" = 1'-0"

DATE: 3-8-24

UDA PROJECT NO.: LA23102

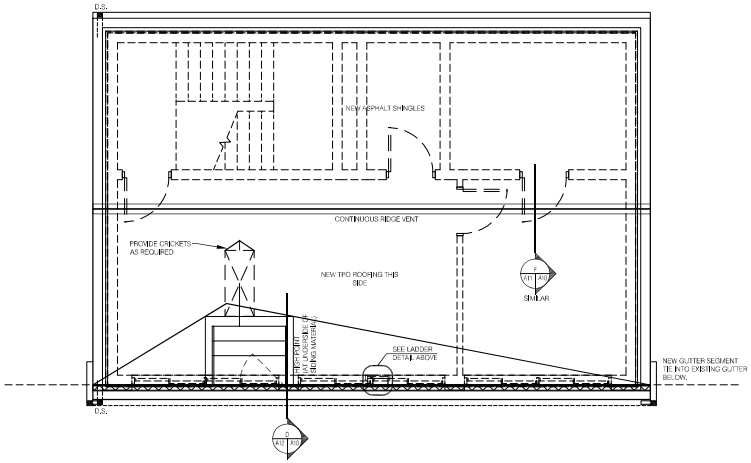
SITE PROJECT NO.: ENG2403730319

SHEET NO.: A11



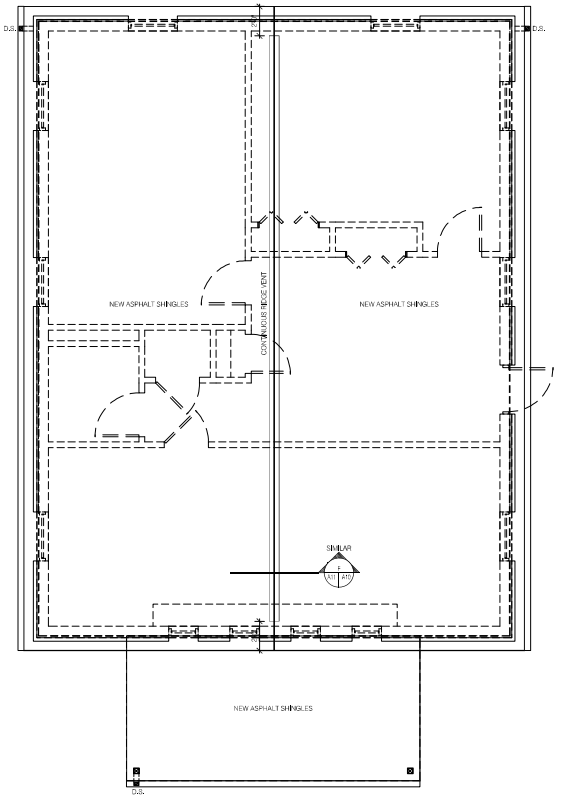
LADDER DETAIL

SCALE: 3/4" = 1'-0"



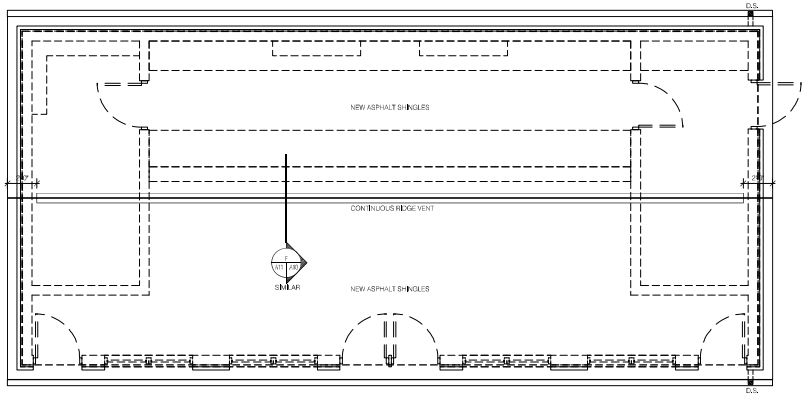
BUILDING "F" ROOF PLAN

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



BUILDING "E" ROOF PLAN

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



BUILDING "C" ROOF PLAN

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



3-8-24

Universal DESIGN ASSOCIATES INC.
310 Main Street
Peru, Indiana 46970
Phone: 8173857-2831
Fax: 8173857-5401
e-mail: info@uda-inc.com
www.udaindy.com

NO.	DATE	REMARKS

LINCOLN AMPHITHEATRE

AMPHITHEATRE IMPROVEMENTS

LINCOLN CITY, INDIANA

DRAWN	CHECKED	APPROVED
DWW	JAB	JAB

ROOF PLANS

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

DATE: 3-8-24

UDA PROJECT NO.: LA23102

CITY PROJECT NO.: ENG2403730319

DRILL NO.: A12

DOOR SCHEDULE

	NO.	DOOR SIZE W	H	T	DOOR TYPE TYPE	MAT'L	FRAME	FIRE RATING	HARDWARE SET NO.	KEY SIDE	REMARKS
BUILDING A	A1	EXISTING			EXT.	EXISTING		-	-	EXT.	
	A2	EXISTING			EXT.	EXISTING		-	-	EXT.	
	A3	EXISTING			EXT.	EXISTING		-	-	EXT.	
	A4	EXISTING			EXT.	EXISTING		-	-	EXT.	
BUILDING B	B1	EXISTING			EXT.	EXISTING		-	-	EXT.	
	B2	EXISTING			EXT.	ENST.	METAL	-	-	EXT.	RELOCATED DOOR; NEW FRAME
	B3	EXISTING			INT.	EXISTING		-	-	-	
	B4	EXISTING			INT.	EXISTING		-	-	-	
	B5	EXISTING			EXT.	EXISTING		-	-	EXT.	
	B6	3'-0"	7'-0"	1 3/4"	EXT.	METAL	METAL	-	-	EXT.	
	B7	3'-0"	7'-0"	1 3/4"	EXT.	METAL	METAL	-	-	EXT.	
	B8	3'-0"	7'-0"	1 3/4"	EXT.	METAL	METAL	-	-	EXT.	
BUILDING C	C1	EXISTING			EXT.	EXISTING		-	-	EXT.	
	C2	EXISTING			EXT.	EXISTING		-	-	EXT.	REMOVE SCREEN DOORS, CLOSERS, AND OTHER RELATED HARDWARE
	C3	EXISTING			EXT.	EXISTING		-	-	EXT.	
	C4	EXISTING			EXT.	EXISTING		-	-	EXT.	
	C5	EXISTING			EXT.	EXISTING		-	-	EXT.	
BUILDING D	D1	EXISTING			EXT.	EXISTING		-	-	EXT.	
	D2	EXISTING			EXT.	EXISTING		-	-	EXT.	
	D3	EXISTING			EXT.	EXISTING		-	-	EXT.	
	D4	EXISTING			EXT.	ENST.	METAL	-	-	EXT.	RELOCATED DOOR; NEW FRAME
BUILDING E	E1	EXISTING			EXT.	EXISTING		-	-	EXT.	
BUILDING F	F1	EXISTING			EXT.	EXISTING		-	-	EXT.	
	F2	EXISTING			EXT.	EXISTING		-	-	EXT.	
	F3	EXISTING			OVHD.	EXISTING		-	-	-	
MAIN SEATING "A"	G1	3'-0"	7'-0"	1 3/4"	EXT.	METAL	METAL	45 min.	-	EXT.	ALTERNATE BID #4
	G2	3'-0"	7'-0"	1 3/4"	EXT.	METAL	METAL	45 min.	-	EXT.	ALTERNATE BID #4
MAIN SEATING "B"	H1	3'-0"	7'-0"	1 3/4"	EXT.	METAL	METAL	45 min.	-	EXT.	ALTERNATE BID #4
	H2	3'-0"	7'-0"	1 3/4"	EXT.	METAL	METAL	45 min.	-	EXT.	ALTERNATE BID #4

NOTES:

1. SEE SPEC BOOK FOR DOOR HARDWARE SET DETAILS.
2. ALL EXISTING AND RELOCATED DOORS AND FRAMES SHALL BE PAINTED. RECAULK FRAMES AS REQUIRED ON BOTH SIDES.
3. ALL NEW DOORS AND FRAMES SHALL BE PAINTED.

RESTROOM PANEL SIGNAGE (WITH BRAILLE):

INPRO CORPORATION, ASPEN COLLECTION (OR APPROVED EQUAL) , TYPE I, RIGID VINYL, ADA COMPLIANT, SQUARE CUT EDGE, FRONT FACE PLATE COLOR = "BURLAP 0252", LETTER COLOR = "DARK BROWN 0122", TWO-FACE TAPE MOUNT. PROVIDE P5 "UNISEX ACCESSIBLE" SYMBOL AT DOOR #'S A3 & D3, P2 "WOMEN ACCESSIBLE" SYMBOL AT DOOR #'S A1, D1, & B6, AND P4 "MEN ACCESSIBLE" SYMBOL AT DOOR #'S A2, D2, & B6

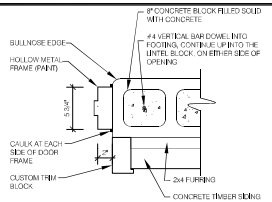
ADA sign height requirements: signs must be hung between 48 and 60 inches. Sign mounting height is measured from the floor to the bottom of the lowest raised lettering on an ADA sign.

ROOM FINISH SCHEDULE

	ROOM NO.	ROOM NAME	FLOOR: EXISTING TO REMAIN	FLOOR: NEW CONCRETE SEALER	FLOOR: EXISTING TO REMAIN	FLOOR: EXISTING TO REMAIN	BASE: EXISTING TO REMAIN	BASE: NONE	WALLS: EXISTING TO REMAIN	WALLS: PAINT	WALLS: CONCRETE TIMBER SIDING	WALLS: EXISTING TO REMAIN	CEILINGS: EXISTING TO REMAIN	CEILINGS: GYPSUM	CEILINGS: EXISTING TO REMAIN	CEILINGS: EXISTING TO REMAIN	HEIGHT	REMARKS
BUILDING "A", "D"	101	WOMEN			●		●					●				●	±9'-0"	
	101A	VESTIBULE			●		●			●						●	±9'-0"	
	102	MEN			●		●					●				●	±9'-0"	
	102A	VESTIBULE			●		●			●						●	±9'-0"	
	103	UNISEX			●		●					●				●	±9'-0"	
	104	MECHANICAL			●		●					●				●	±9'-0"	
BUILDING "B"	101	QUEUE	●			●		●						●			±9'-0"	
	102	SERVING	●			●		●						●			±9'-0"	
	103	STORAGE			●		●					●				●	±9'-0"	
	104	UNISEX			●		●					●				●	±9'-0"	
	105	CORRIDOR		●			●				●					●	±9'-0"	
	106	MEN	●			●		●						●			±9'-0"	
	107	MECHANICAL		●				●		●						●	±9'-0"	
	108	WOMEN	●			●		●						●			±9'-0"	
BUILDING "C" Alternate Bid #2	101	WOMEN			●		●					●	●				±9'-0"	
	101A	VESTIBULE			●			●	●				●				±9'-0"	
	101B	NEW WOMEN	●			●			●				●				±9'-0"	
	102	MEN			●		●					●	●				±9'-0"	
	102A	NEW MEN	●			●			●					●			±9'-0"	
	102B	VESTIBULE			●			●	●				●				±9'-0"	
	103	UNISEX			●		●					●	●				±9'-0"	
	104	MECHANICAL			●		●					●				●	±9'-0"	
	104A	NEW MECHANICAL		●				●		●						●	±9'-0"	

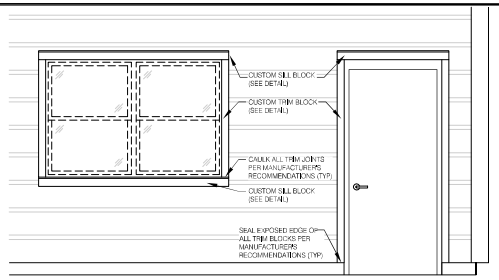
NOTES:

1. FINAL FINISH MATERIALS, COLORS, AND RELATED DECISIONS TO BE VERIFIED WITH OWNER.
2. EXTERIOR DOORS, FRAMES, WINDOWS, CONDUIT, EQUIPMENT, ETC. SHALL BE PAINTED SHERWIN WILLIAMS #SW7509
3. INTERIOR CMU WALLS SHALL BE PAINTED SHERWIN WILLIAMS #SW7507
4. EXTERIOR / VESTIBULE CMU WALLS SHALL BE PAINTED SHERWIN WILLIAMS #SW7507



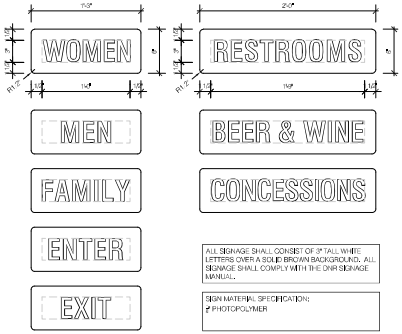
DOOR JAMB DETAIL

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



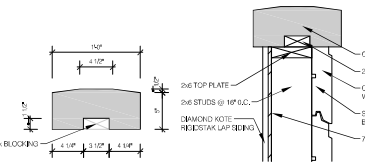
OPENING TRIM DETAILS

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



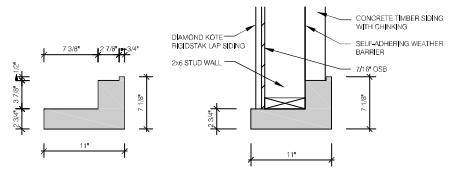
CUSTOM BUILDING SIGNAGE DETAILS

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



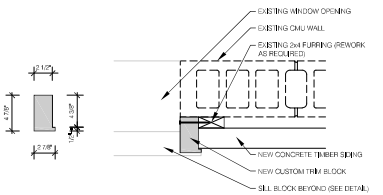
CUSTOM PARAPET BLOCK DETAILS

SCALE: 1 1/2" = 1'-0" — REQUIRED FOR ALT. BID #4



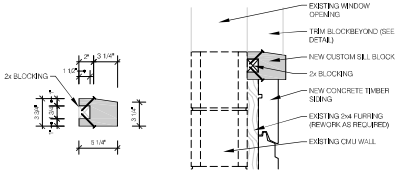
CUSTOM ENDCAP BLOCK DETAILS

SCALE: 1 1/2" = 1'-0" — REQUIRED FOR ALT. BID #4



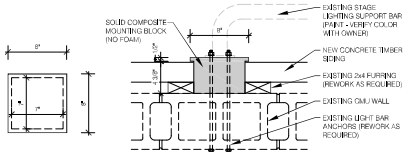
CUSTOM TRIM BLOCK DETAILS

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



CUSTOM SILL BLOCK DETAILS

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



CUSTOM MOUNTING BLOCK DETAILS

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

NOTE:
INSTALL ALL CUSTOM SIDING BLOCKS PER MANUFACTURERS RECOMMENDATIONS

NOTE:
COORDINATE ALL CUSTOM SIDING BLOCKS WITH SIDING MANUFACTURER.

JACOB A. BRUNS — REGISTERED — No. AR11900184 — STATE OF INDIANA — 3-8-24

Universal DESIGN ASSOCIATES, INC.
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Peru, Indiana 46970-2552
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Fax: 812/935-2401
e-mail: info@universaldesign.com
www.universaldesign.com

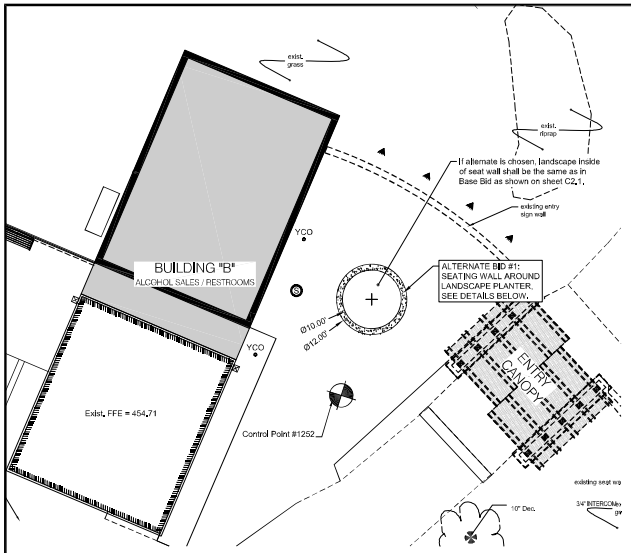
LINCOLN AMPHITHEATRE
AMPHITHEATRE IMPROVEMENTS
LINCOLN CITY, INDIANA

DRAWN: DWW
CHECKED: JAB
APPROVED: JAB

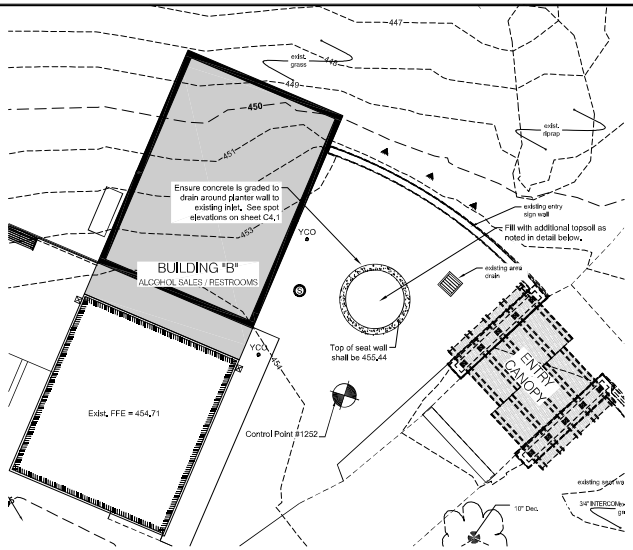
FINISHES SCHEDULE AND DETAILS
- DOOR SCHEDULE AND DETAILS

SCALE: AS NOTED

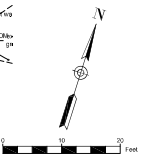
DATE: 3-8-24
USA PROJECT NO.: LA23102
ENR PROJECT NO.: ENG2403730319
DRWG NO.: A13

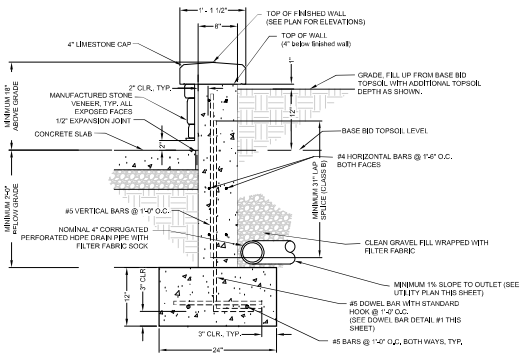


ALTERNATE 1
SITE PLAN

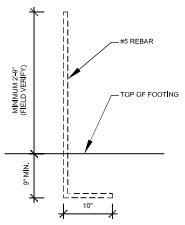


ALTERNATE 1
GRADING PLAN

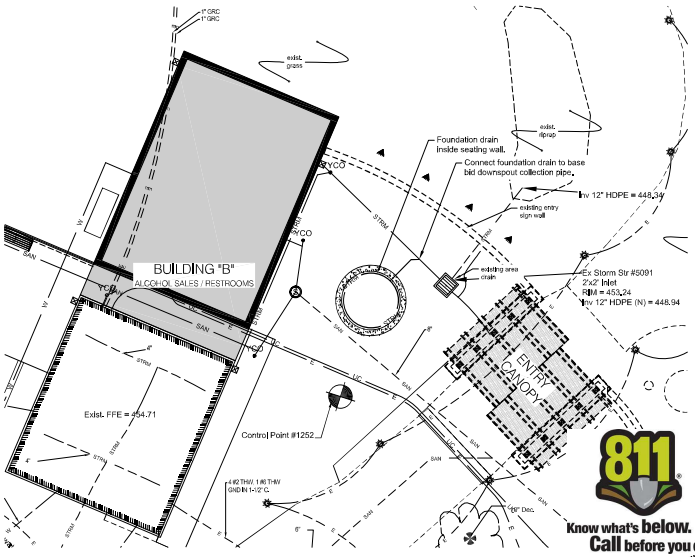




SEAT WALL DETAIL
SCALE: 3/4" = 1'-0"



DOWEL BAR
DETAIL #1
SCALE: 3/4" = 1'-0"



ALTERNATE 1
UTILITY PLAN

811
Know what's below.
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BETHANY S. HOOK
REGISTERED
PE11100084
STATE OF INDIANA
PROFESSIONAL ENGINEER
03-08-24

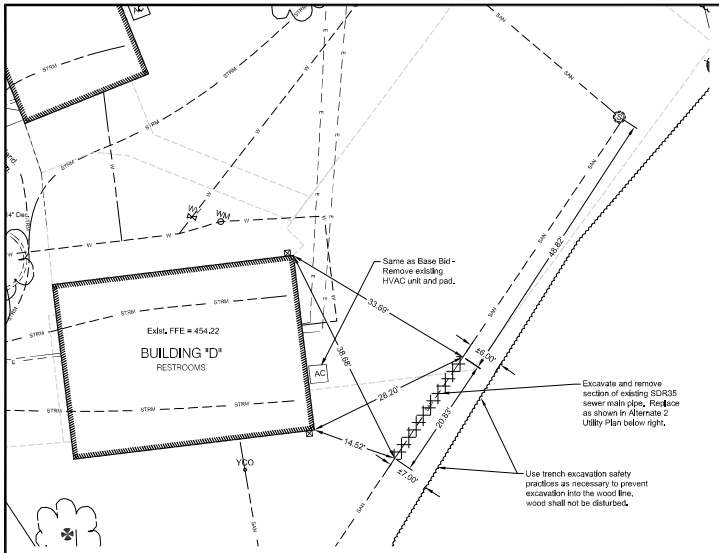
101 Main Drive
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Fax: 812-967-2461
cell: 812-881-2461
www.uassoc.com
Universal DESIGN ASSOCIATES, INC.

LINCOLN AMPHITHEATRE
AMPHITHEATRE IMPROVEMENTS
LINCOLN CITY, INDIANA

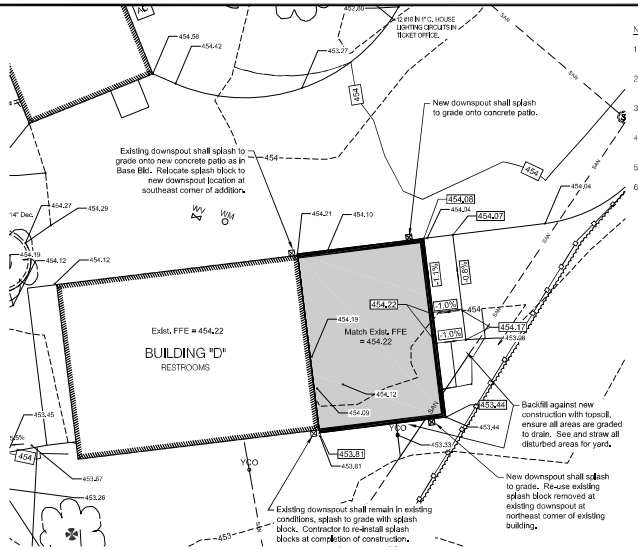
DRAWN: BSH
CHECKED: JAG
APPROVED: BSH

ALTERNATE 1
SITE PLANS

SCALE: 1" = 10'
DATE: 03-08-24
UA PROJECT NO.: LA23102
SUR PROJECT NO.: ENG2403730319
SHEET NO.: ALT 1 - C1



ALTERNATE 2
DEMOLITION PLAN



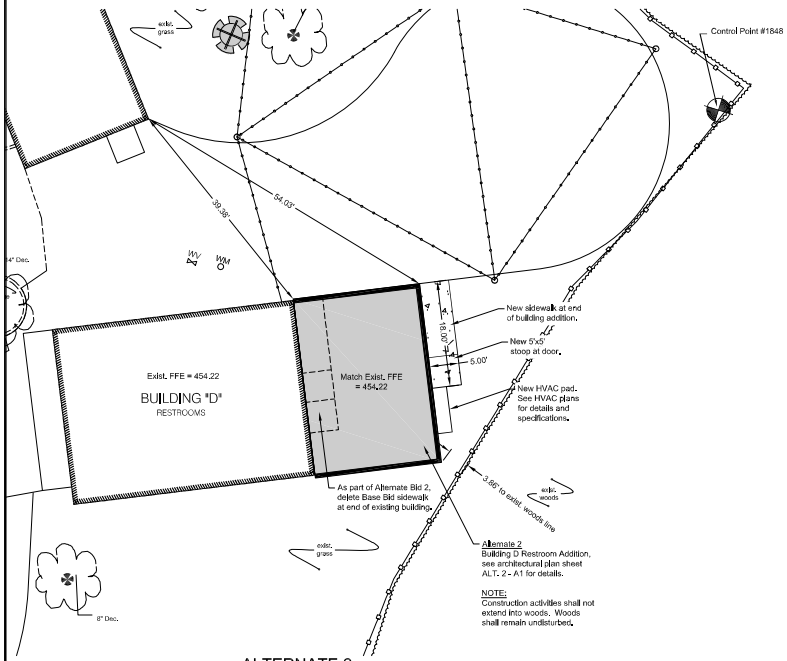
ALTERNATE 2
GRADING PLAN

NOTES

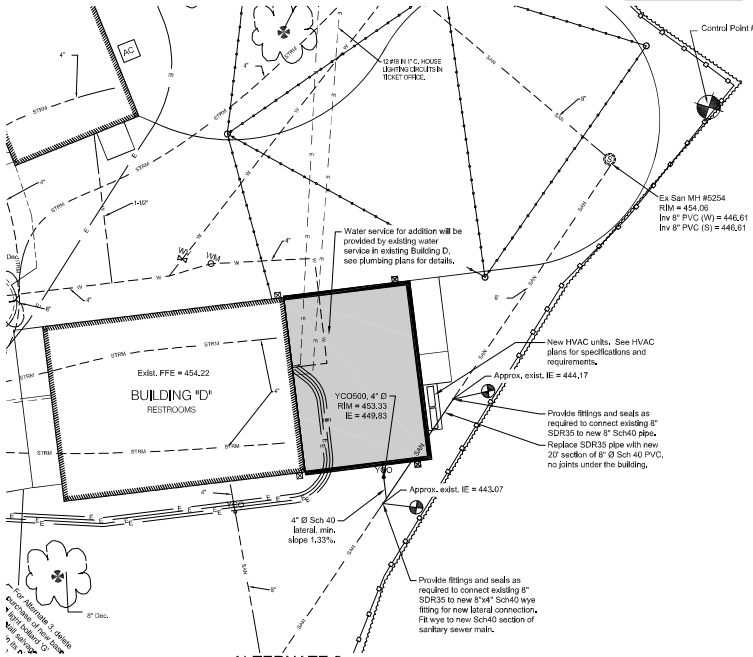
1. See sheet C0.0 for Overall Site Keyed Plan.
2. See sheet C1.0 for Demolition notes.
3. See sheet C2.0 for Site Plan Notes and Control Point Data.
4. See sheet C3.0 for Grading and Compaction Notes.
5. See sheet C4.0 for Utility Notes.
6. See sheet C5.0 for Site Details.

LEGEND

- Proposed General Spot Grade
- Proposed Swale Flow Line Grade
- Existing General Spot Grade
- Existing Surface Slope and Direction
- Proposed Surface Slope and Direction
- Existing Contour
- Proposed Contour
- Existing Control Point
- Connection Point New to Existing
- Proposed Bollard Light
- Existing Bollard Light
- Existing Water Meter
- Existing Water Valve
- Existing Yard Hydrant
- Proposed Water Valve
- Existing Clean Out
- Existing Sanitary Sewer Manhole
- Proposed Yard Clean Out
- Existing Curb Inlet
- Existing Storm Sewer Main
- Proposed Storm Sewer Main
- Existing Flow Line
- Proposed Swale Flow Line
- Existing Sanitary Sewer Main
- Proposed Sanitary Sewer Main
- Proposed Water Line
- Existing Water Line
- Existing Underground Electric Line
- Proposed Underground Electric Line
- Proposed Overhead String Lights
- Existing Gas Line
- Proposed Gas Line
- Existing Communications Line
- Proposed Communications Line



ALTERNATE 2
SITE PLAN



ALTERNATE 2
UTILITY PLAN

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REGISTERED
PE11100086
STATE OF INDIANA
PROFESSIONAL ENGINEER
03-08-24

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Fax 812-367-2461
www.uda-inc.com

LINCOLN AMPHITHEATRE
AMPHITHEATRE IMPROVEMENTS
LINCOLN CITY, INDIANA

DRAWN	CHECKED	APPROVED
BSH	JAG	BSH

ALTERNATE 2
SITE PLANS

SCALE: 1" = 10'

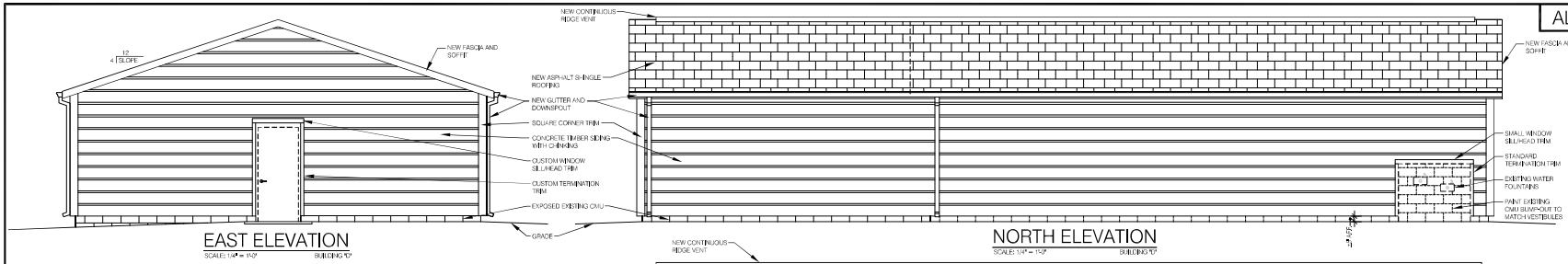
DATE: 03-08-24

UDA PROJECT NO.: LA23102

SUR PROJECT NO.: ENG2403730319

SHEET NO.: ALT 2 - C1

ALTERNATE BID #2



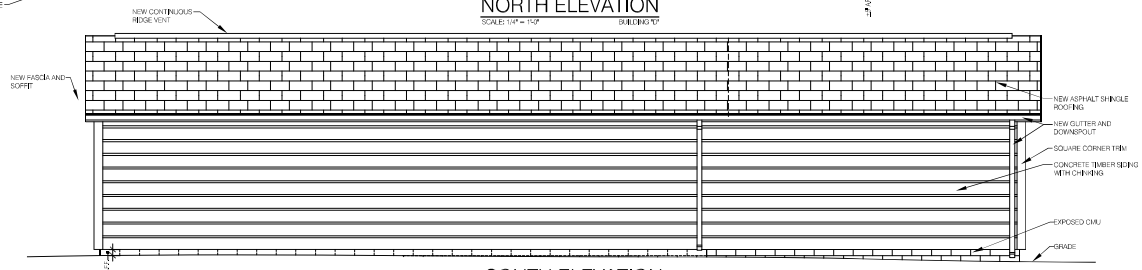
EAST ELEVATION
SCALE: 1/4" = 1'-0" BUILDING "D"

NORTH ELEVATION
SCALE: 1/4" = 1'-0" BUILDING "D"

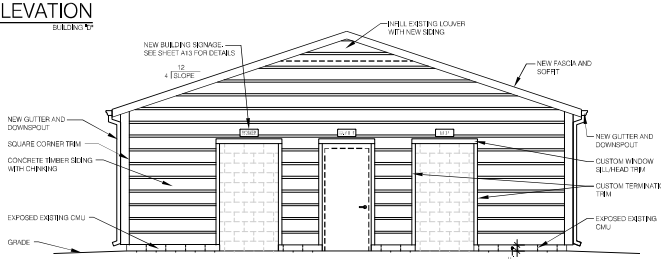
SEE SHEET A13 FOR OPENING TRIM AND CUSTOM SIDING BLOCK DETAILS.

SEE SHEET A13 FOR BUILDING SIGNAGE DETAILS.

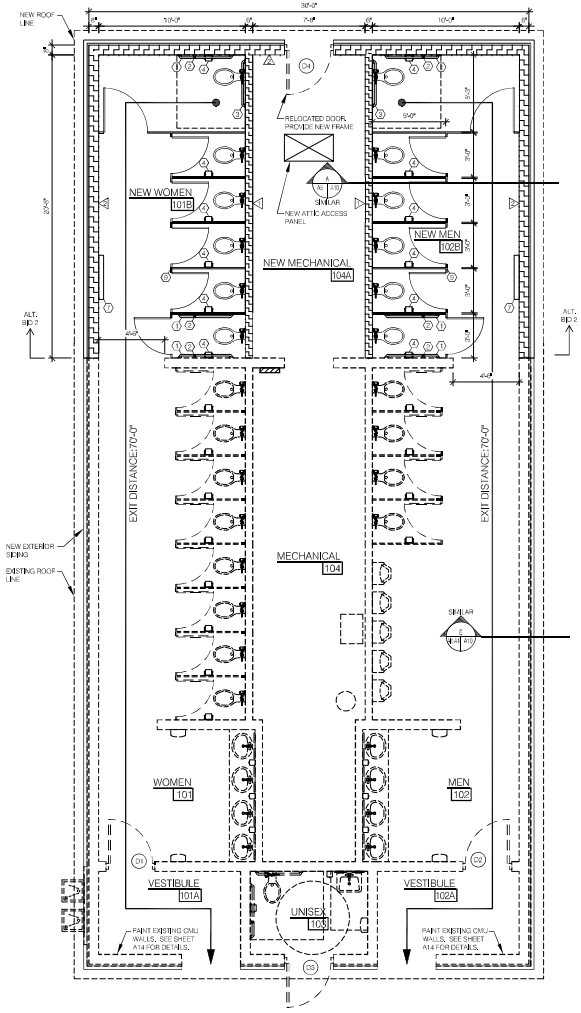
SEE SHEET A13 FOR PAINT SPECIFICATIONS.



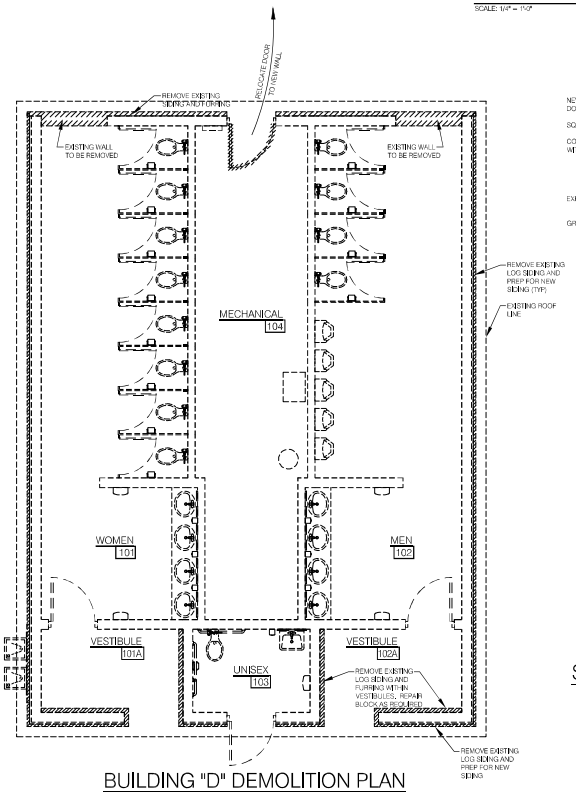
SOUTH ELEVATION
SCALE: 1/4" = 1'-0" BUILDING "D"



WEST ELEVATION
SCALE: 1/4" = 1'-0" BUILDING "D"



BUILDING "D" FLOOR PLAN / LIFE SAFETY PLAN
SCALE: 1/4" = 1'-0"



BUILDING "D" DEMOLITION PLAN
SCALE: 1/4" = 1'-0"

TOILET ACCESSORIES

	DESCRIPTION	MODEL #
1	1 1/2" x 42" GRAB BAR	BOBRICK B-6806x42
2	1 1/2" x 18" GRAB BAR	BOBRICK B-6806x18
3	1 1/2" x 36" GRAB BAR	BOBRICK B-6806x36
4	TOILET TISSUE DISPENSER	OWNER PROVIDED; G.C. TO INSTALL.
5	18"x36" BEVELED GLASS MIRROR W/ SHELF	BRADLEY 7815-018360
6	SOAP DISPENSER	OWNER PROVIDED; G.C. TO INSTALL.
7	INFANT CHANGING STATION	KOALA KARE KB300-01
8	AUTOMATIC HAND DRYER	1500W XLERATOR (BLACK W/HEAT)
9	TOILET PARTITION WALL	ASI Solid Plastic (HDPE), Black color
10	URINAL PARTITION WALL	ASI Solid Plastic (HDPE), Black color

TOILET ACCESSORY NOTES:
1. MOUNTING HEIGHTS SHALL MEET ADA 2010 REQUIREMENTS AND STATE BUILDING CODES. SEE SHEET A1 FOR DETAILS.
2. TOILET ACCESSORIES SHALL BE BY MANUFACTURERS LISTED OR APPROVED EQUAL.
3. ALL EXISTING RESTROOM ACCESSORIES TO REMAIN (UNLESS NOTED)
4. TOILET PARTITIONS SHALL BE FLOOR ANCHORED WITH OVERHEAD BRACING.

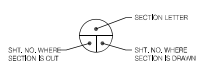
SEE SHEET A1 FOR CODE ANALYSIS INFORMATION.

SEE SHEET A1 FOR ALL ADA DETAILS AND EQUIPMENT MOUNTING HEIGHTS

KEY TO PLAN

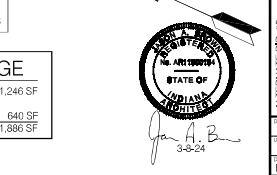
- 6" CMU BLOCK WALL
- 6" CMU BLOCK WITH 1-1/2" WOOD FURRING AND CONCRETE TIMBER SIDING
- EXISTING WALL TO BE REMOVED
- EXISTING WALL TO REMAIN
- (XX) DOOR NUMBER: SEE SCHEDULE ON SHEET A13
- (X) WINDOW TYPE
- (XX) ROOM NUMBER
- WALL CONSTRUCTION TYPE
- FIRE EXTINGUISHER WALL CABINET
- WALL HUNG FIRE EXTINGUISHER
- EMERGENCY EXIT SIGN / LIGHT
- EMERGENCY EGRESS LIGHT

SECTION CUT SYMBOL



SQUARE FOOTAGE

EXISTING BUILDING	1,246 SF
NEW ADDITION	640 SF
TOTAL BUILDING	1,886 SF



3-8-24

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LINCOLN CITY, INDIANA

DRAWN: DWW
CHECKED: JAB
APPROVED: JAB

ALTERNATE BID #2:
BUILDING D RESTROOM ADDITION
PLANS AND ELEVATIONS

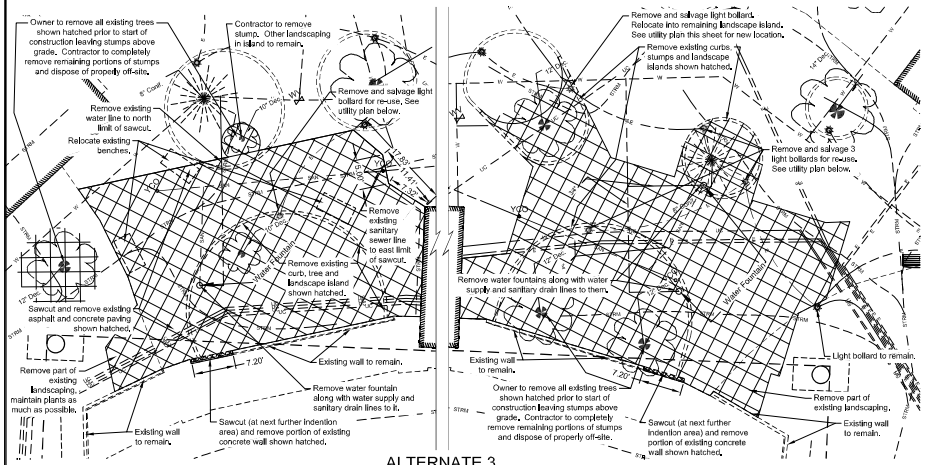
SCALE: 1/4" = 1'-0"
DATE: 3-8-24
UDA PROJECT NO.: LA23102
DPR PROJECT NO.: ENG2403730319
DRWG NO.: ALT. 2 - A1

LEGEND

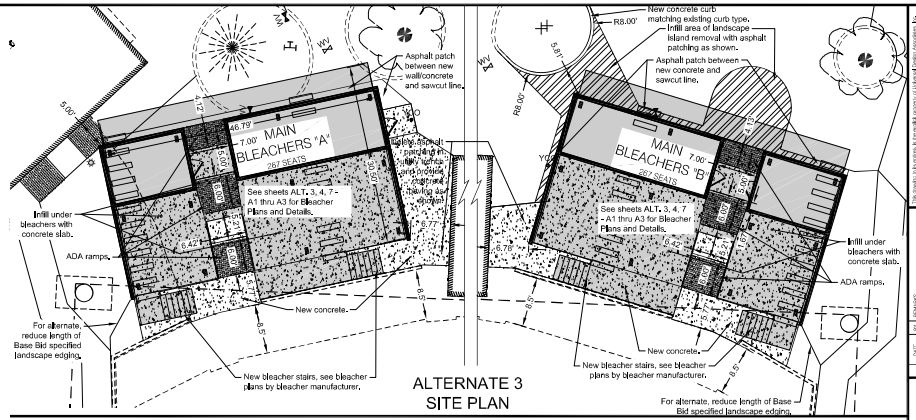
148.27 — Proposed General Spot Grade	WV — Existing Water Valve	SAN — Existing Sanitary Sewer Main	
148.27 FL — Proposed Swale Flow Line Grade	YH — Existing Yard Hydrant	SAN — Proposed Sanitary Sewer Main	
132.47 — Existing General Spot Grade	WV — Proposed Water Valve	W — Proposed Water Line	
-6.5% — Existing Surface Slope and Direction	YCO — Existing Clean Out	W — Existing Water Line	
-9.5% — Proposed Surface Slope and Direction	S — Existing Sanitary Sewer Manhole	E — Existing Underground Electric Line	
132 — Existing Contour	YCO — Proposed Yard Clean Out	E — Proposed Underground Electric Line	
132 — Proposed Contour	Existing Curb Inlet	Proposed Overhead String Lights	
Existing Control Point	STRM — Existing Storm Sewer Main	GAS — Existing Gas Line	
Connection Point New to Existing	STRM — Proposed Storm Sewer Main	GAS — Proposed Gas Line	
Proposed Bollard Light	Existing Flow Line	UC — Existing Communications Line	
Existing Bollard Light	Proposed Swale Flow Line	UC — Proposed Communications Line	
WM — Existing Water Meter			

NOTES

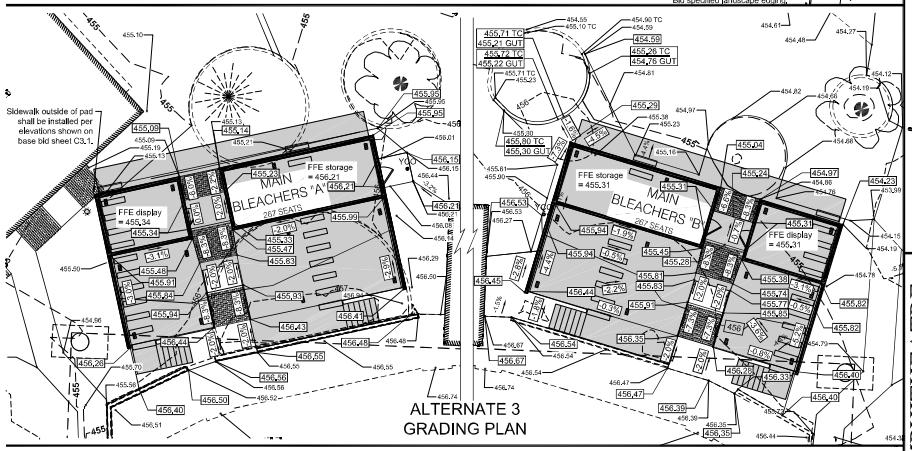
1. See sheet C0.0 for Overall Site Keyed Plan.
2. See sheet C1.0 for Demolition notes.
3. See sheet C2.0 for Site Plan Notes and Control Point Data.
4. See sheet C3.0 for Grading and Compaction Notes.
5. See sheet C4.0 for Utility Notes.
6. See sheet C5.0 for Site Details.



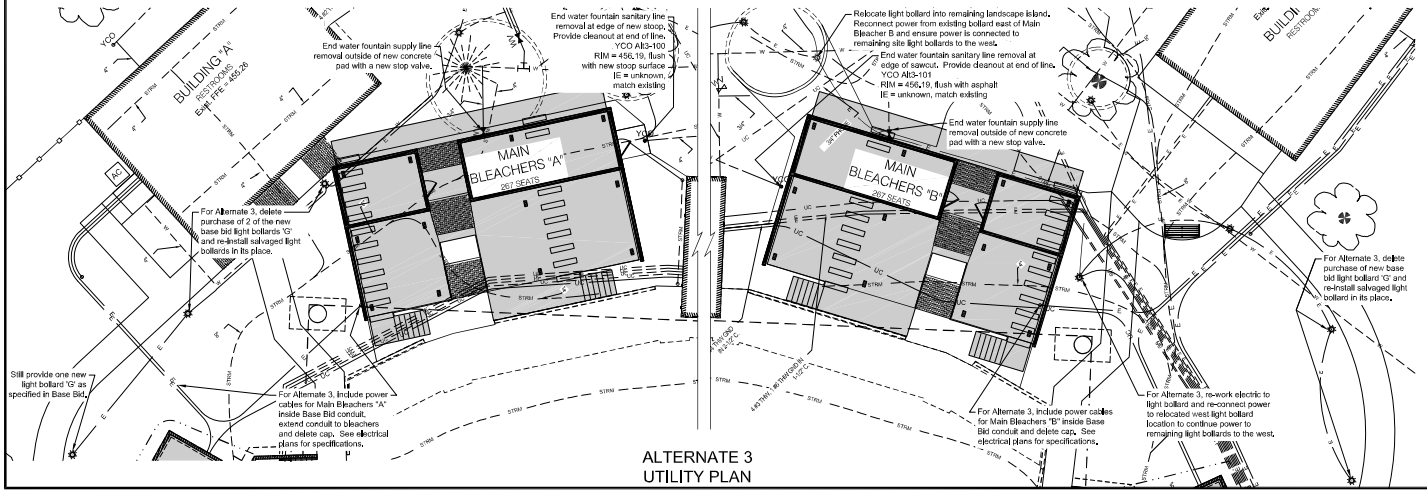
ALTERNATE 3
DEMOLITION PLAN



ALTERNATE 3
SITE PLAN



ALTERNATE 3
GRADING PLAN



ALTERNATE 3
UTILITY PLAN

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DRAWN	BSH
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ALTERNATE 3
SITE PLANS

SCALE: 1" = 10'

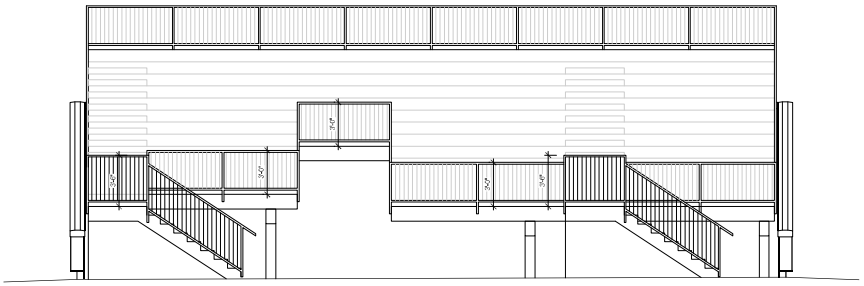
DATE: 03-08-24

UDA PROJECT NO.: LA23102

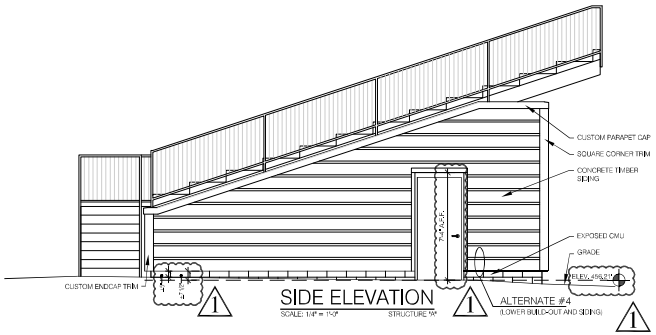
SUR PROJECT NO.: ENG2403730319

SHEET NO.: ALT 3 - C1

ALTERNATE BID #3
ALTERNATE BID #4
ALTERNATE BID #7a/7b



FRONT ELEVATION
SCALE: 1/4" = 1'-0" STRUCTURE "A"



SIDE ELEVATION
SCALE: 1/4" = 1'-0" STRUCTURE "A"

ALTERNATE BID LIST:

ALTERNATE BID 3: - ADD

Provide and construct new Main Seating Structures "A" and "B". This alternate is for the base structure and all related items except for the seats. Does not include enclosure walls and lower build-out.

ALTERNATE BID 4: - ADD

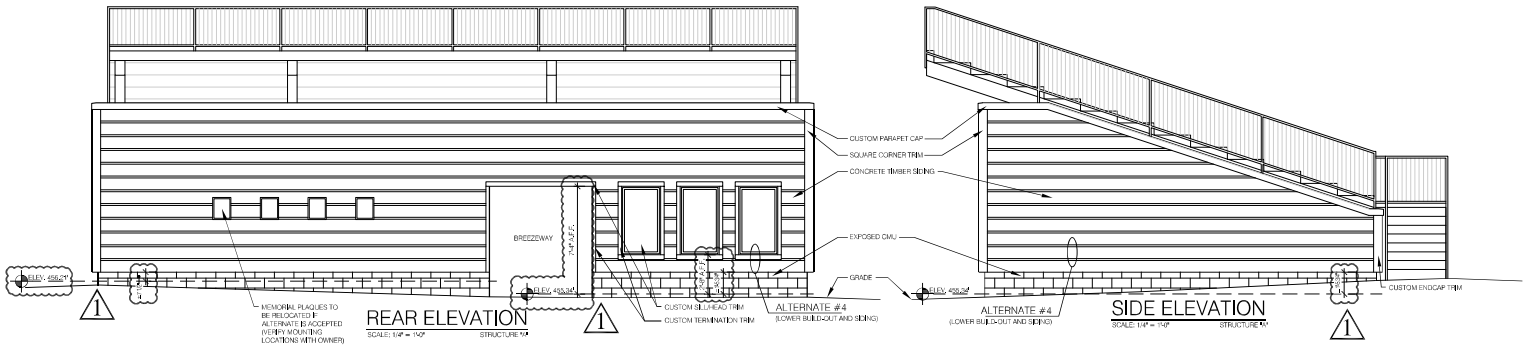
Enclose the structure for Main Seating Structures "A" and "B" and construct lower build-out. Provide framing and siding to match adjacent structures as shown on plans.

ALTERNATE BID 7a: - ADD

Provide refurbished seats for seating structures constructed in Alternate Bid #3. Refurbished seats shall be dark green or black. Final color to be approved by the owner.

ALTERNATE BID 7b: - ADD

Provide new seats for seating structures constructed in Alternate Bid #3. New seats shall be dark green or black. Final color to be approved by the owner.



REAR ELEVATION
SCALE: 1/4" = 1'-0" STRUCTURE "A"

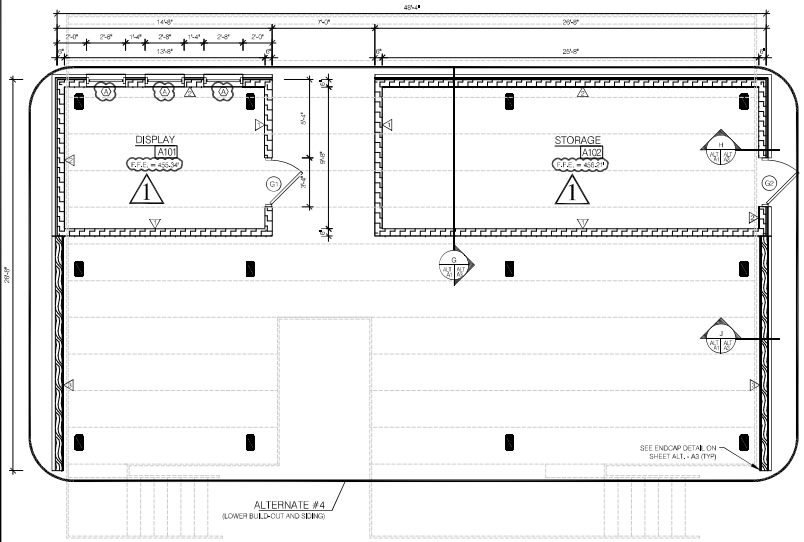
SIDE ELEVATION
SCALE: 1/4" = 1'-0" STRUCTURE "A"

KEY TO PLAN

- 8" CMU BLOCK WALL. UL #U906 2 HR RATING. SEE DETAIL ON ALT. - A3
- 8" CMU BLOCK WITH 1-1/4" WOOD FURRING AND CONCRETE TIMBER SIDING. UL #U906 2 HR RATING. SEE DETAIL ON ALT. - A3
- 6" CMU BLOCK COURSE WITH 2x6 STUDS @ 16" O.C. ABOVE. CONCRETE TIMBER SIDING. WEATHER BARRIER. 7/16" OSB AND 26 GA METAL WALL PANELS.
- (XX) DOOR NUMBER: SEE SCHEDULE ON SHEET A13.
- (X) WINDOW TYPE
- XXX ROOM NUMBER
- WALL CONSTRUCTION TYPE

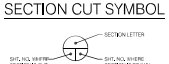
SEE SHEET A13 FOR BUILDING SIGNAGE DETAILS.

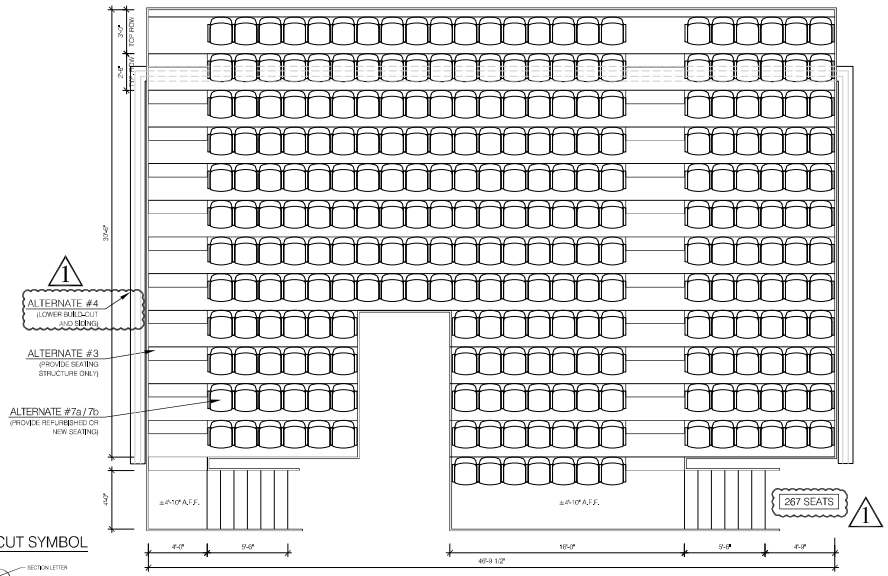
SEE SHEET A13 FOR OPENING TRIM AND CUSTOM SIDING BLOCK DETAILS.



MAIN SEATING STRUCTURE "A"
LOWER BUILD-OUT PLAN
SCALE: 1/4" = 1'-0"

SECTION CUT SYMBOL





MAIN SEATING STRUCTURE "A" PLAN
SCALE: 1/4" = 1'-0"

REVISED: 3-12-24

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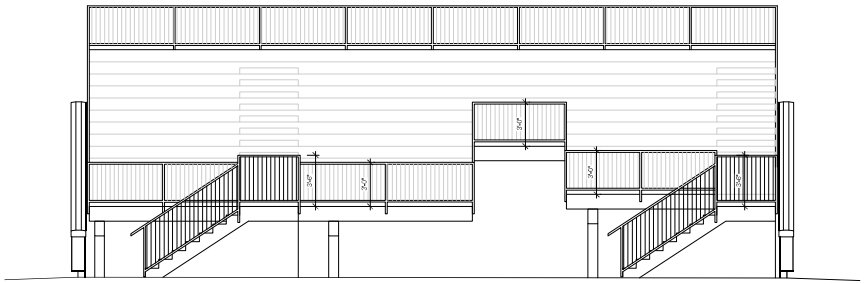
DRAWN: DWW
CHECKED: JAB
APPROVED: JAB

ALTERNATE BIDS #3, 4, 7:
MAIN SEATING STRUCTURE A
PLANS AND ELEVATIONS

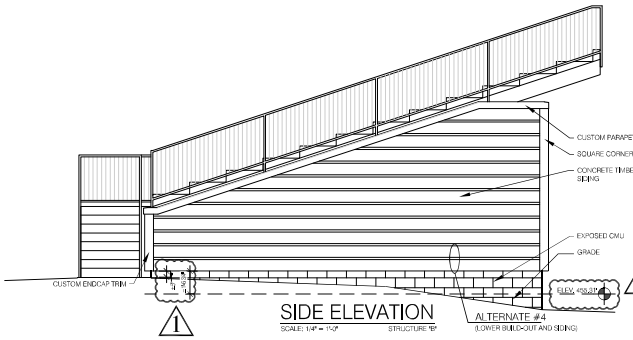
SCALE: 1/4" = 1'-0"

DATE: 3-8-24
REV. 3-12-24
UDA PROJECT NO.: LA23102
STR PROJECT NO.: ENG2403730319
SHEET NO.: ALT. 3, 4, 7 - A1

ALTERNATE BID #3
ALTERNATE BID #4
ALTERNATE BID #7a/7b



FRONT ELEVATION
SCALE: 1/4" = 1'-0" STRUCTURE "B"



SIDE ELEVATION
SCALE: 1/4" = 1'-0" STRUCTURE "B"

ALTERNATE BID LIST:

ALTERNATE BID 3: - ADD

Provide and construct new Main Seating Structures "A" and "B". This alternate is for the base structure and all related items except for the seats. Does not include enclosure walls and lower build-out.

ALTERNATE BID 4: - ADD

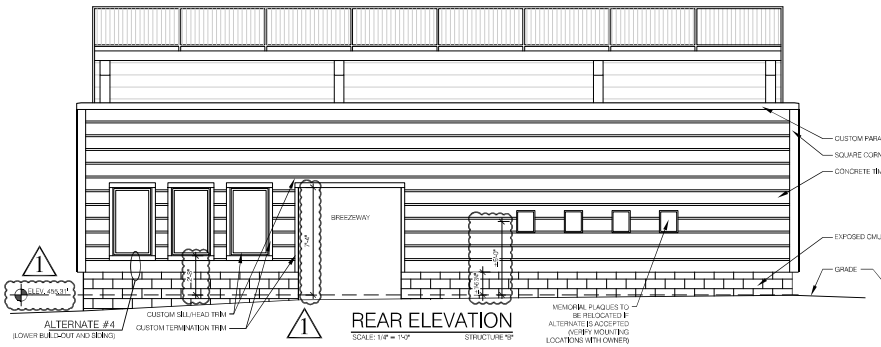
Enclose the structure for Main Seating Structures "A" and "B" and construct lower build-out. Provide framing and siding to match adjacent structures as shown on plans.

ALTERNATE BID 7a: - ADD

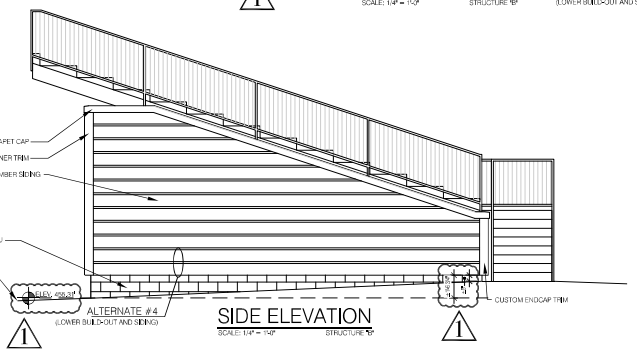
Provide refurbished seats for seating structures constructed in Alternate Bid #3. Refurbished seats shall be dark green or black. Final color to be approved by the owner.

ALTERNATE BID 7b: - ADD

Provide new seats for seating structures constructed in Alternate Bid #3. New seats shall be dark green or black. Final color to be approved by the owner.



REAR ELEVATION
SCALE: 1/4" = 1'-0" STRUCTURE "B"



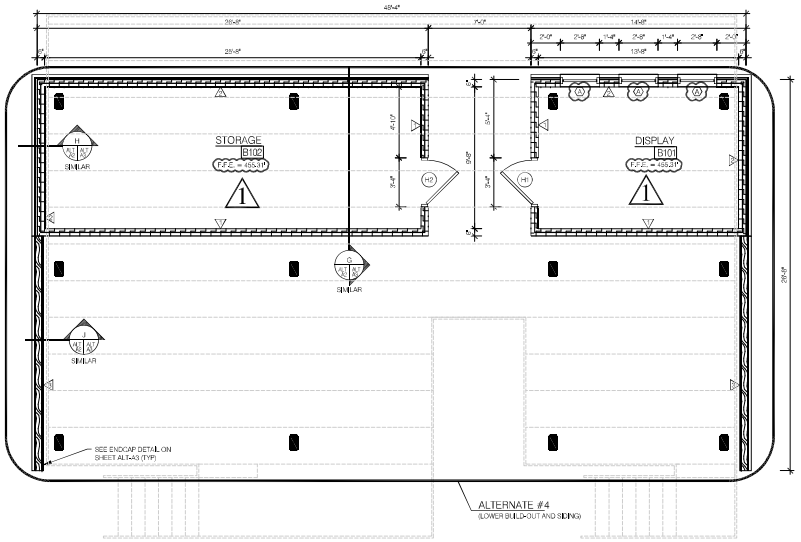
SIDE ELEVATION
SCALE: 1/4" = 1'-0" STRUCTURE "B"

KEY TO PLAN

- 8" CMU BLOCK WALL. UL #U806 2 HR RATING. SEE DETAIL ON ALT. - A3
- 8" CMU BLOCK WITH 1-1/2" WOOD FURRING AND CONCRETE TIMBER SIDING. UL #U806 2 HR RATING. SEE DETAIL ON ALT. - A3
- 6" CMU BLOCK COURSE WITH 2x6 STUDS @ 16" O.C. ABOVE. CONCRETE TIMBER SIDING. WEATHER BARRIER. 7/16" OSB AND 26 GA METAL WALL PANELS.
- (XX) DOOR NUMBER: SEE SCHEDULE ON SHEET A13.
- (X) WINDOW TYPE
- XXX ROOM NUMBER
- WALL CONSTRUCTION TYPE

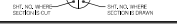
SEE SHEET A13 FOR BUILDING SIGNAGE DETAILS.

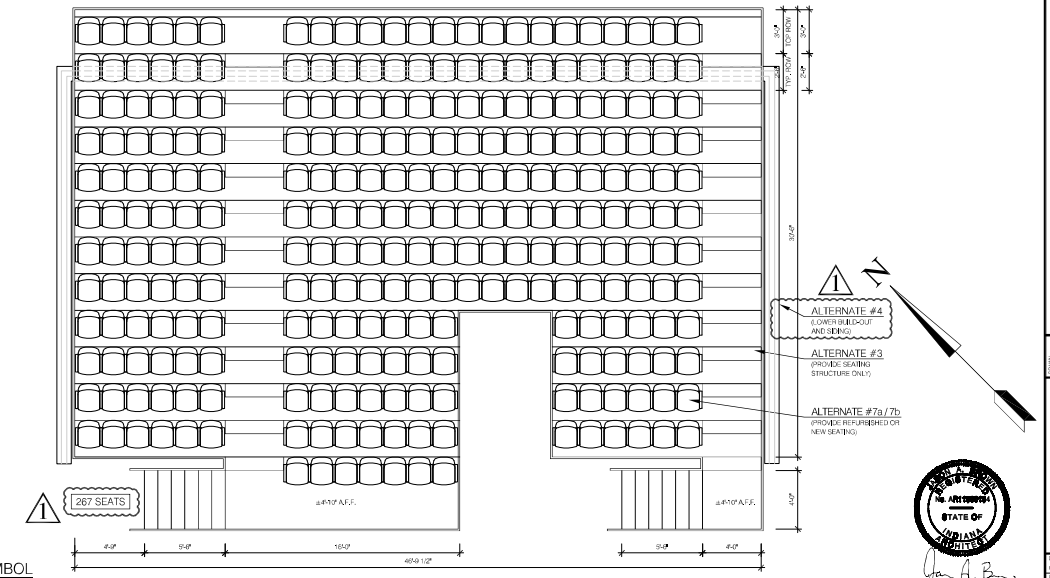
SEE SHEET A13 FOR OPENING TRIM AND CUSTOM SIDING BLOCK DETAILS.



MAIN SEATING STRUCTURE "B"
LOWER BUILD-OUT PLAN
SCALE: 1/4" = 1'-0"

SECTION CUT SYMBOL





MAIN SEATING STRUCTURE "B" PLAN
SCALE: 1/4" = 1'-0"

REVISED: 3-12-24

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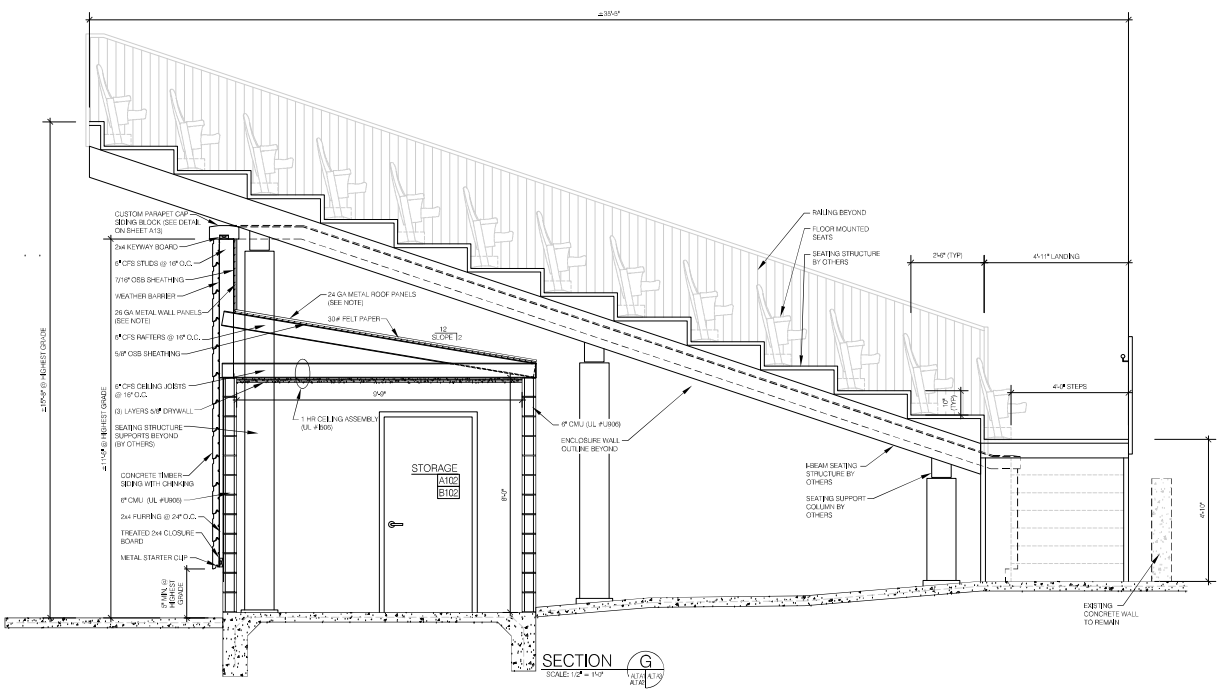
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AMPHITHEATRE IMPROVEMENTS
LINCOLN CITY, INDIANA

DRAWN: DWW
CHECKED: JAB
APPROVED: JAB

ALTERNATE BIDS #3, 4, 7:
MAIN SEATING STRUCTURE B
PLANS AND ELEVATIONS

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

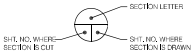
DATE: 3-8-24
REV. 3-12-24
UDA PROJECT NO.: LA23102
DPR PROJECT NO.: ENG2403730319
DRWG NO.: ALT. 3, 4, 7 - A2



SECTION G

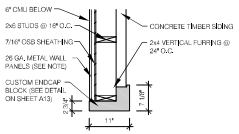
SCALE: 1/2" = 1'-0"

SECTION CUT SYMBOL



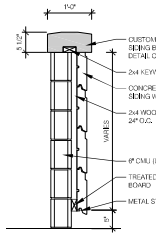
METAL ROOF PANELS:
Vertical Seam click together metal panels as manufactured by MS or approved equal. 24 guage, 16" coverage. Striated profile. Kynar 500 PVDF finish, Ash Grey color. Install per manufacturer's recommendations.

METAL WALL PANELS:
Classic Rib metal panels as manufactured by MS or approved equal. 26 guage, 36" coverage. Kynar 500 PVDF finish, Ash Grey color. Install per manufacturer's recommendations.



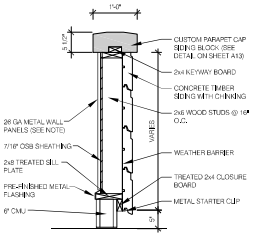
ENDCAP DETAIL

SCALE: 3/4" = 1'-0"



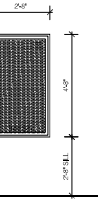
SECTION H

SCALE: 3/4" = 1'-0"
(AT 1-HR FIRE WALL)



SECTION J

SCALE: 3/4" = 1'-0"



WINDOW ELEVATION

SCALE: 3/8" = 1'-0"

T = TEMPERED GLASS

ALTERNATE BID LIST:

ALTERNATE BID 3: - ADD

Provide and construct new Main Seating Structures "A" and "B". This alternate is for the base structure and all related items except for the seats. Does not include enclosure walls and lower built-out.

ALTERNATE BID 4: - ADD

Enclose the structure for Main Seating Structures "A" and "B" and construct lower built-out. Provide framing and sliding to match adjacent structures as shown on plans.

1

ALTERNATE BID 7a: - ADD

Provide refurbished seats for seating structures constructed in Alternate Bid #3. Refurbished seats shall be dark green or black. Final color to be approved by the owner.

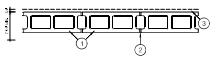
ALTERNATE BID 7b: - ADD

Provide new seats for seating structures constructed in Alternate Bid #3. New seats shall be dark green or black. Final color to be approved by the owner.

ALTERNATE BID #3
ALTERNATE BID #4
ALTERNATE BID #7a/7b

DESIGN NO. U906

BEARING WALL RATING - 2 HR
NONBEARING WALL RATING - 2 HR



1. Concrete Blocks* — Nominal 8 by 8 by 16 in. hollow or solid. Various Designs. Classification (2 hr). See Concrete Blocks category for list of eligible manufacturers.
   - ANCHOR CONCRETE PRODUCTS INC
   - GRONIS & SON CONCRETE BLOCK INC
   - GLENWOOD MASONRY PRODUCTS

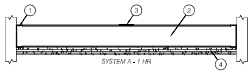
   Allowable compressive stress of 57% of max. allowable compressive stress in accordance with the empirical design method.
   - COASTAL AGG SOUTH INC, DBA ADAMS PRODUCTS
   - WESTBROOK CONCRETE BLOCK CORP.

   Allowable compressive stress of 75.6% of max. allowable compressive stress in accordance with the empirical design method.
2. Mortar — Blocks laid in full bed of mortar, nom. 3/8 in. thick, of not less than 3-4 and not more than 3-2 parts of fine aggregate to 1 part Portland cement proportioned by volume and not more than 50 percent hydrated lime by cement volume. Vertical joints staggered.
3. Portland Cement Stucco or Gypsum Plaster — NOT USED
4. Exposed Finish* — (Optional-Not Shown) — NOT USED.
4a. Building Units* — (Alternate to Item 4) — NOT USED.

*Indicates such products shall bear the UL or cUL Certification Mark

DESIGN NO. I506

CEILING MEMBRANE RATING - 1 HR
LOAD RESTRICTION - 33% of capacity



1. Steel Joists — Min. 6 in. wide with min. 1-5/8 in. legs containing folded back flanges and formed from min. No. 20 MSG galv. steel (0.0329 in. thick bare metal thickness). Joists to be cut 1/2 in. to 3/4 in. less than the clear span between the vertical legs of the Steel track. Joists spaced a max. 16 in. O.C. At each end of the joist, the upper joist flange shall be secured to the joist track with one 1/2 in. long pan-head steel screw. Joists are used at each end of the horizontal barrier to terminate this assembly at the adjoining wall. These end Joists shall be secured to the adjoining wall in the same manner as the joist track (Item 2).
2. Ceiling Joist Track — Used to support steel joists at both ends of ceiling membrane structure. Min. 6 in. deep with min. 1-1/4 in. legs and formed from min. No. 20 MSG galv. steel (0.0329 in. thick bare metal thickness). Joist track attached to wall structure with fasteners spaced not greater than 24 in. O.C. at both the top and bottom of the vertical leg.
3. Steel Strap — Min. 2 in. wide strap formed from min. No. 20 MSG galv. steel (0.0329 in. thick bare steel thickness). Secure perpendicular to the upper joist flange at the centerline of the span using one 1/2 in. long pan-head steel screw at each joist. Steel strap to overlap one full joist bay at splice locations. As an alternate to the steel strap, Joist track (Item 2) may be substituted and installed in the same manner as the steel straps for the 1 hr. Rating. If a continues piece is not used, the abutted legs are installed on each side of the centerline of the span and overlap one full joist bay.
4. Gypsum Board* — Three layers of nom. 5/8 in. thick, 48 in. wide, gypsum board installed with long dimension perpendicular to the steel joists. Joints not need to be staggered in individual layers. Base layer secured to joists and Joist track with 1-1/4 in. long Type S-12 steel screws spaced max. 16 in. O.C. Middle layer installed with end Joints staggered a min. 32 in. from base layer. Middle layer tapered joints staggered a min. 12 in. from base layer tapered joints. Boards secured to the Joists and Joist track with 1-5/8 in. long Type S-12 steel screws spaced max. 16 in. O.C. Face layer installed with end Joints staggered a min. 24 in. from middle layer. Face layer tapered joints staggered a min. 12 in. from middle layer tapered Joints. Boards secured to the Joists and Joist track with 2-1/4 in. long Type S-12 steel screws spaced max. 12 in. O.C. Face layer end joints centered between joints, attached to the middle layer boards with 1-1/2 in. long Type G steel screws spaced 8 in. OC and located 1-1/2 in. from the end joint.
   - CGC INC — Type IDX.
   - UNITED STATES GYPSUM CO — Type IDX.
6. Joint Tape and Compound* — Not Shown — (Optional, Not Required on Joints or Screw Heads) — Vinyl, dry or premixed joint compound, applied in two coats to joints and screw heads; paper tape, nom. 2 in. wide, embedded in first layer of compound over all joints.

*Indicates such products shall bear the UL or cUL Certification Mark

REVISED: 3-12-24

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NO.	DATE	BY	REMARKS
1	3-12-24	DWW	ADD DELOCATED SEATING ADDENDUM

LINCOLN AMPHITHEATRE

AMPHITHEATRE IMPROVEMENTS

LINCOLN CITY, INDIANA

DRAWN: DWW
CHECKED: JAB
APPROVED: JAB

ALTERNATE BIDS #3, 4, 7a, 7b:
MAIN SEATING STRUCTURE
DETAILS

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

DATE: 3-8-24
REV.: 3-12-24

UDA PROJECT NO.: LA23102

STATE PROJECT NO.: ENG2403730319

SHEET NO.: ALT. 3, 4, 7 - A3

STATE OF INDIANA — REGISTERED ARCHITECT — No. AR11900141

3-12-24

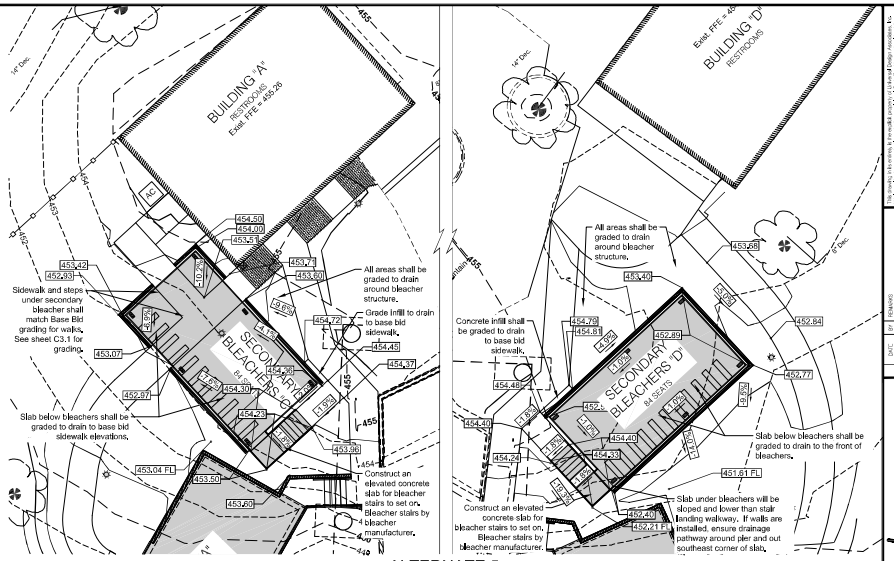
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LEGEND

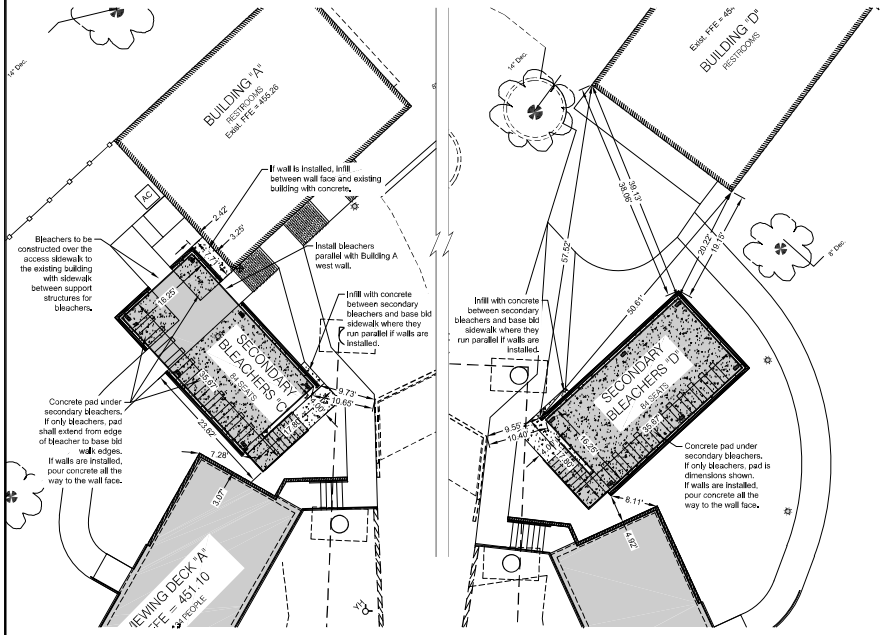
148.27	Proposed General Spot Grade	WV	Existing Water Valve	SAN	Existing Sanitary Sewer Main
148.27 FL	Proposed Swale Flow Line Grade	YH	Existing Yard Hydrant	SAN	Proposed Sanitary Sewer Main
132.47	Existing General Spot Grade	WV	Proposed Water Valve	W	Proposed Water Line
-9.5%	Existing Surface Slope and Direction	YCO	Existing Clean Out	W	Existing Water Line
-9.5%	Proposed Surface Slope and Direction		Existing Sanitary Sewer Manhole	E	Existing Underground Electric Line
132	Existing Contour	YCO	Proposed Yard Clean Out	E	Proposed Underground Electric Line
132	Proposed Contour		Existing Curb Inlet		Proposed Overhead String Lights
	Existing Control Point	STRM	Existing Storm Sewer Main	GAS	Existing Gas Line
	Connection Point New to Existing	STRM	Proposed Storm Sewer Main	GAS	Proposed Gas Line
	Proposed Bollard Light		Existing Flow Line	UC	Existing Communications Line
	Existing Bollard Light		Proposed Swale Flow Line	UC	Proposed Communications Line
WM	Existing Water Meter				

NOTES

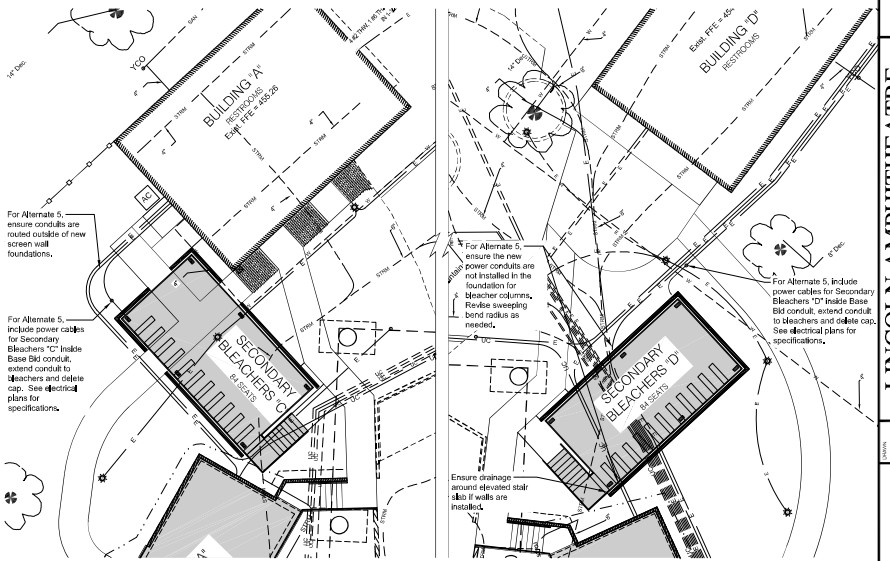
1. See sheet C0.0 for Overall Site Keyed Plan.
2. See sheet C1.0 for Demolition notes.
3. See sheet C2.0 for Site Plan Notes and Control Point Data.
4. See sheet C3.0 for Grading and Compaction Notes.
5. See sheet C4.0 for Utility Notes.
6. See sheet C5.0 for Site Details.



ALTERNATE 5
GRADING PLAN



ALTERNATE 5
SITE PLAN



ALTERNATE 5
UTILITY PLAN

0 10 20 Feet

Know what's below. Call before you dig.

1 ENTIRE SHEET REVISED

REVISED: 3-12-24

BETHANY S. HOOK
REGISTERED
PE11100084
STATE OF INDIANA
PROFESSIONAL ENGINEER
03-12-24

NO.	DATE	BY	REMARKS
1	3-12-24	BSH	Rev. CO, ADDENDUM #1

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www.uassoc.com

LINCOLN AMPHITHEATRE
AMPHITHEATRE IMPROVEMENTS
LINCOLN CITY, INDIANA

DRAWN: BSH
CHECKED: JAG
APPROVED: BSH

ALTERNATE 5
SITE PLANS

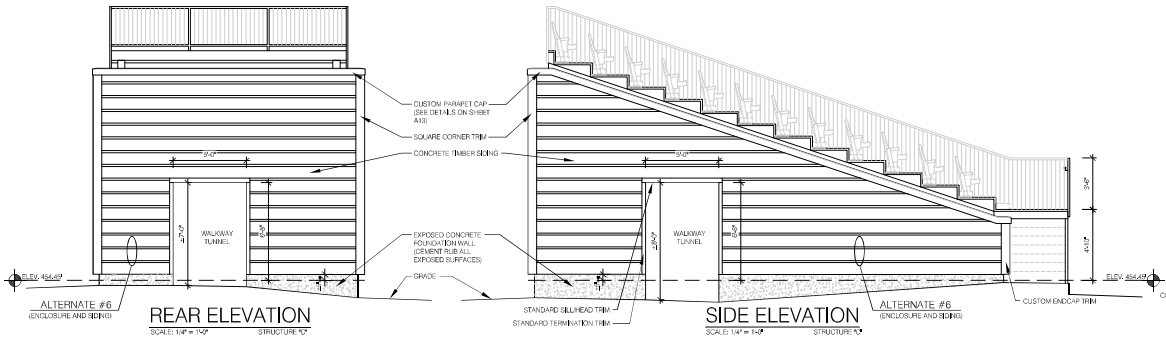
SCALE: 1" = 10'

DATE: 03-08-24
REV: 03-12-24

LDA PROJECT NO.: LA23102

ISUR PROJECT NO.: ENG240730319

SHEET NO.: ALT 5 - C1



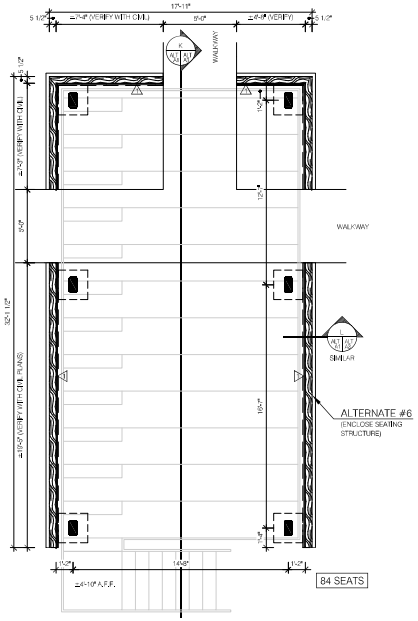
REAR ELEVATION
SCALE: 1/4" = 1'-0" STRUCTURE "C"

SIDE ELEVATION
SCALE: 1/4" = 1'-0" STRUCTURE "C"

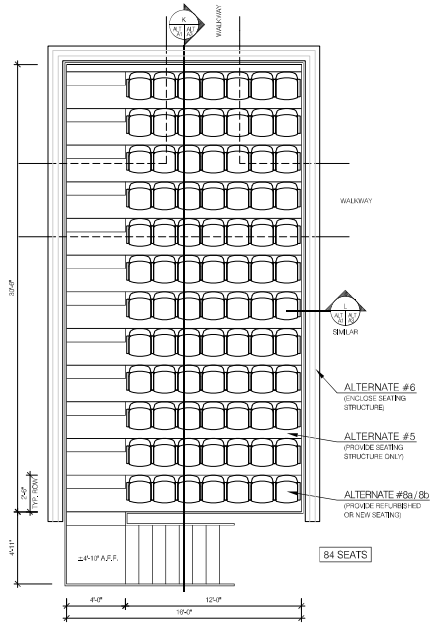
FRONT ELEVATION
SCALE: 1/4" = 1'-0" STRUCTURE "C"



SIDE ELEVATION
SCALE: 1/4" = 1'-0" STRUCTURE "C"



SEATING STRUCTURE "C" LOWER PLAN
SCALE: 1/4" = 1'-0"



SEATING STRUCTURE "C" UPPER PLAN
SCALE: 1/4" = 1'-0"

ALTERNATE BID #5
ALTERNATE BID #6
ALTERNATE BID #8a / 8b

ALTERNATE BID LIST:

ALTERNATE BID 5: - ADD

Provide and construct new Secondary Seating Structures "C" and "D". This alternate is for the base structure and all related items except for the seats. Does not include enclosure walls and lower build-out.

ALTERNATE BID 6: - ADD

Enclose the structure for Secondary Seating Structures "C" and "D" and construct lower build-out. Provide framing and siding to match adjacent structures as shown on plans.

ALTERNATE BID 8a: - ADD

Provide refurbished seats for seating structures constructed in Alternate Bid #5. Refurbished seats shall be dark green or black. Final color to be approved by the owner.

ALTERNATE BID 8b: - ADD

Provide new seats for seating structures constructed in Alternate Bid #5. New seats shall be dark green or black. Final color to be approved by the owner.

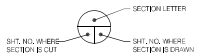
KEY TO PLAN

6" CONCRETE FOUNDATION WALL WITH 2x6 STUDS @ 16" O.C. ABOVE. CONCRETE TIMBER SIDING. WEATHER BARRIER. 7/16" OSB AND 26 GA METAL WALL PANELS.

WALL CONSTRUCTION TYPE

SEE SHEET A13 FOR OPENING TRIM AND CUSTOM SIDING BLOCK DETAILS.

SECTION CUT SYMBOL



N

1 ENTIRE SHEET REVISED

REVISED: 3-12-24

NO.	REMARKS	DATE
1	ADDED SECONDARY SEATING STRUCTURE "C"	3-12-24

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LINCOLN AMPHITHEATRE
AMPHITHEATRE IMPROVEMENTS
LINCOLN CITY, INDIANA

DRAWN	CHECKED	APPROVED
DWW	JAB	JAB

SECONDARY SEATING STRUCTURE "C" FLOOR PLAN AND ELEVATIONS

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

DATE: 3-8-24
REV.: 3-12-24
UDA PROJECT NO.: LA23102
DAY PROJECT NO.: ENG2403730319
SHEET NO.: ALT. 5, 6, 8 - A1

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ALTERNATE BID #5
ALTERNATE BID #6
ALTERNATE BID #8a / 8b

ALTERNATE BID LIST:

ALTERNATE BID 5: - ADD

Provide and construct new Secondary Seating Structures "C" and "D". This alternate is for the base structure and all related items except for the seats. Does not include enclosure walls and lower build-out.

ALTERNATE BID 6: - ADD

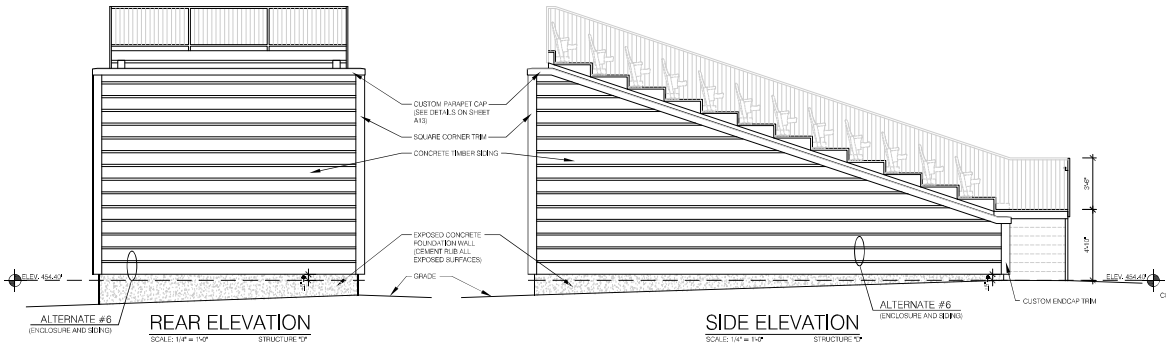
Enclose the structure for Secondary Seating Structures "C" and "D" and construct lower build-out. Provide framing and siding to match adjacent structures as shown on plans.

ALTERNATE BID 8a: - ADD

Provide refurbished seats for seating structures constructed in Alternate Bid #5. Refurbished seats shall be dark green or black. Final color to be approved by the owner.

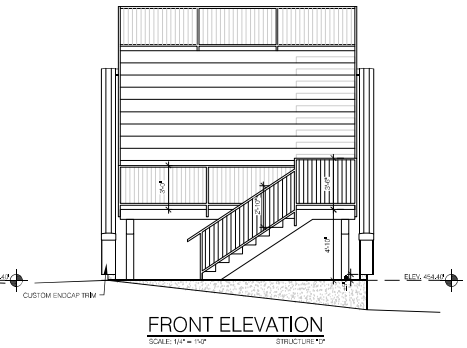
ALTERNATE BID 8b: - ADD

Provide new seats for seating structures constructed in Alternate Bid #5. New seats shall be dark green or black. Final color to be approved by the owner.



REAR ELEVATION
SCALE: 1/4" = 1'-0" STRUCTURE "D"

SIDE ELEVATION
SCALE: 1/4" = 1'-0" STRUCTURE "D"



FRONT ELEVATION
SCALE: 1/4" = 1'-0" STRUCTURE "D"

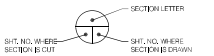
KEY TO PLAN

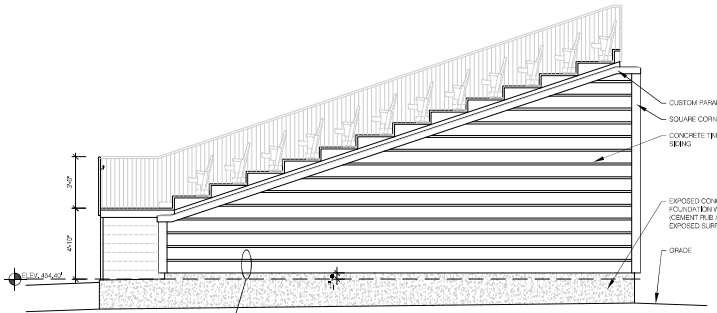
6" CONCRETE FOUNDATION WALL WITH 2x6 STUDS @ 16" O.C. ABOVE. CONCRETE TIMBER SIDING, WEATHER BARRIER, 7/16" OSB AND 26 GA METAL WALL PANELS.

WALL CONSTRUCTION TYPE

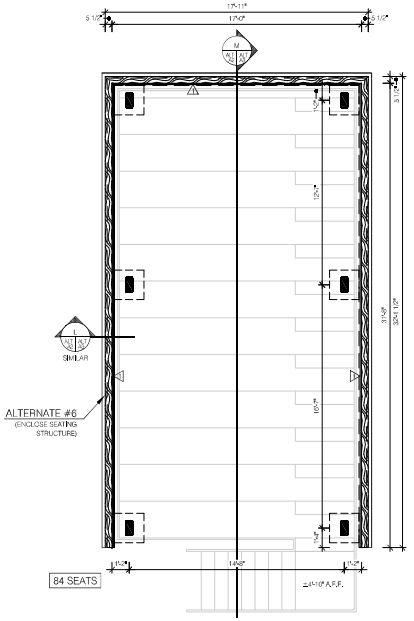
SEE SHEET A13 FOR OPENING TRIM AND CUSTOM SIDING BLOCK DETAILS.

SECTION CUT SYMBOL

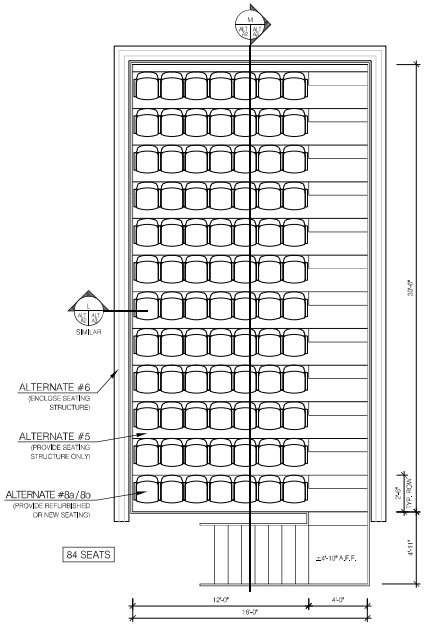




SIDE ELEVATION
SCALE: 1/4" = 1'-0" STRUCTURE "D"



SEATING STRUCTURE "D" LOWER PLAN
SCALE: 1/4" = 1'-0"



SEATING STRUCTURE "D" UPPER PLAN
SCALE: 1/4" = 1'-0"

N

1 ENTIRE SHEET REVISED

REVISED: 3-12-24

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LINCOLN AMPHITHEATRE

AMPHITHEATRE IMPROVEMENTS

LINCOLN CITY, INDIANA

DRAWN: DWW
CHECKED:
APPROVED: JAB

ALTERNATE BIDS #5, 6, 8:
SEATING STRUCTURE D
PLANS AND ELEVATIONS

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

DATE: 3-8-24
REV.: 3-12-24
UDA PROJECT NO.: LA23102
CITY PROJECT NO.: ENG2403730319
SHEET NO.: ALT. 5, 6, 8 - A2

REGISTERED ARCHITECT No. AR11900194 STATE OF INDIANA

3-12-24

ALTERNATE BID #5
ALTERNATE BID #6
ALTERNATE BID #8a / 8b

ALTERNATE BID LIST:

ALTERNATE BID 5: - ADD

Provide and construct new Secondary Seating Structures "C" and "D". This alternate is for the base structure and all related items except for the seats. Does not include enclosure walls and lower build-out.

ALTERNATE BID 6: - ADD

Enclose the structure for Secondary Seating Structures "C" and "D" and construct lower build-out. Provide framing and siding to match adjacent structures as shown on plans.

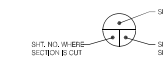
ALTERNATE BID 8a: - ADD

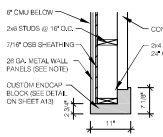
Provide refurbished seats for seating structures constructed in Alternate Bid #5. Refurbished seats shall be dark green or black. Final color to be approved by the owner.

ALTERNATE BID 8b: - ADD

Provide new seats for seating structures constructed in Alternate Bid #5. New seats shall be dark green or black. Final color to be approved by the owner.

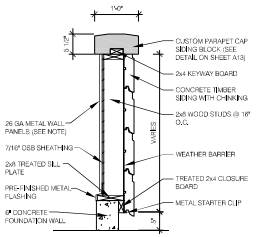
SECTION CUT SYMBOL





ENDCAP DETAIL

SCALE: 3/4" = 1'-0"



SECTION L
SCALE: 3/4" = 1'-0"

METAL WALL PANELS:
Classic Rib metal panels as manufactured by MS or approved equal. 26 guage. 36" coverage, Kynar 500 PVDF finish, Ash Grey color. Install per manufacturer's recommendations.

1 ENTIRE SHEET REVISED

REGISTERED ARCHITECT No. AR11900194 STATE OF INDIANA

3-12-24

REVISED: 3-12-24

Universal DESIGN ASSOCIATES INC.
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Peru, IN 46970-2522
Phone: 815/385-2831
Fax: 815/385-2401
e-mail: info@universaldesign.com
www.uda-design.com

NO.	DATE	REMARKS
1	3-12-24	PER SEC. CODE REVIEW COMMENTS

LINCOLN AMPHITHEATRE
AMPHITHEATRE IMPROVEMENTS
LINCOLN CITY, INDIANA

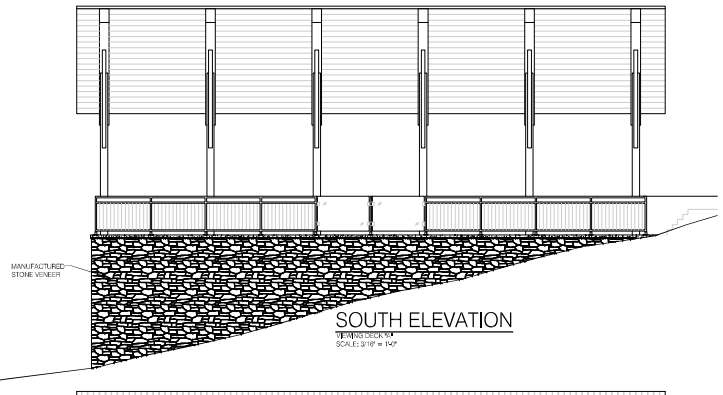
DRAWN: DWW
CHECKED: JAB
APPROVED: JAB

ALTERNATE BIDS #5, 6, 8:
SECONDARY SEATING STRUCTURE
DETAILS

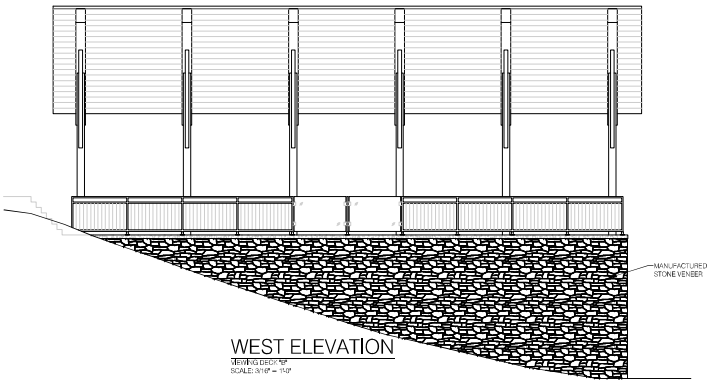
SCALE: 1/4" = 1'-0"

DATE: 3-8-24
REV. 3-12-24
UDA PROJECT NO. LA23102
DAS PROJECT NO. ENG2403730319
SHEET NO. ALT. 5, 6, 8 - A3

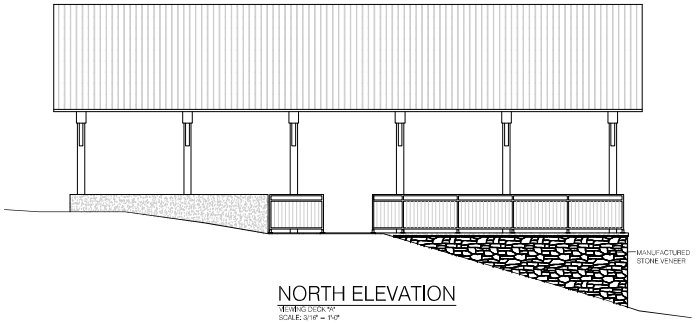
ALTERNATE BID #9



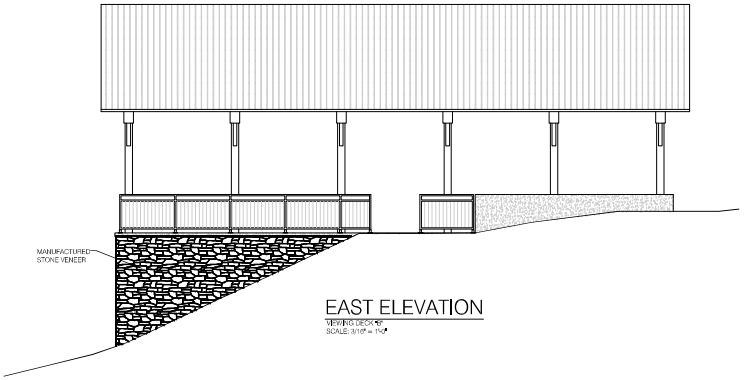
SOUTH ELEVATION
VIEWING DECK 'B'
SCALE: 3/16" = 1'-0"



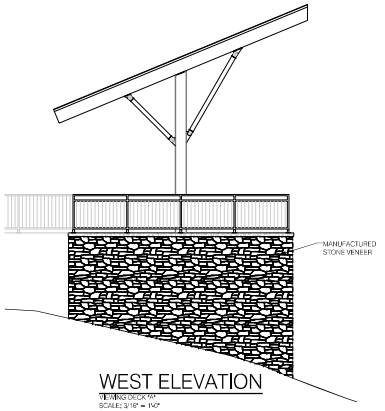
WEST ELEVATION
VIEWING DECK 'B'
SCALE: 3/16" = 1'-0"



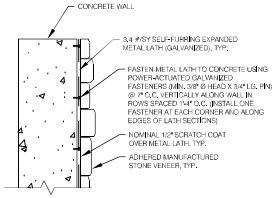
NORTH ELEVATION
VIEWING DECK 'B'
SCALE: 3/16" = 1'-0"



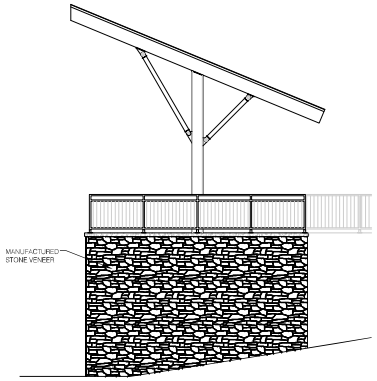
EAST ELEVATION
VIEWING DECK 'B'
SCALE: 3/16" = 1'-0"



WEST ELEVATION
VIEWING DECK 'B'
SCALE: 3/16" = 1'-0"



TYPICAL STONE VENEER ON CONCRETE WALL DETAIL
SCALE: 1 1/2" = 1'-0"



SOUTH ELEVATION
VIEWING DECK 'B'
SCALE: 3/16" = 1'-0"



3-8-24

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NO.	REVISIONS	DATE

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Lowell, IN 46356
Phone: 8193975-2600
Fax: 8193975-2601
E-Mail: info@universaldesignassociates.com
www.udaassoc.com

LINCOLN AMPHITHEATRE

AMPHITHEATRE IMPROVEMENTS

LINCOLN CITY, INDIANA

DRAWN: DWW
CHECKED: JAB
APPROVED: JAB

ALTERNATE BID #9:
VIEWING DECK STONE VENEER

SCALE: 3/16" = 1'-0"

DATE: 3-8-24

UDA PROJECT NO.: LA23102

CITY PROJECT NO.: ENG2403730319

DRWG NO.: ALT. 9 - A1

ALTERNATE BID #10

GENERAL NOTES

1. Contractors shall be responsible for visiting the job facilities and thoroughly acquainting themselves with work conditions and details. Contractor shall be required to field dimension all conditions to determine the quantity of materials required for the project.
2. All items removed shall become property of contractor unless noted otherwise. Owner has first right of refusal on any item to be removed.
3. General Contractor shall provide dumpster during construction for all contractors to use.
4. Any damages to the existing building during construction shall be repaired or replaced to original condition.
5. Contractor shall remove all scrap materials, cartons and other accumulated debris, including all existing debris and building materials removed from existing structure. Remove trash at the end of each day and dispose of lawfully. Special attention shall be given to pick up all nails, screws, masonry, etc. from grounds on a continuous basis.
6. All items required to be removed or repaired may not be listed in the notes. It is the contractor's responsibility to visit the job site to fully acquaint themselves with all required work to be performed as required for this renovation. The notes listed provide a diagrammatic outline of what is to be removed or repaired. The contractor shall include the unlisted required items in their bids. Contact Engineer or owner if there are any items of concern relating to this issue.
7. Repair all flaws at existing walls, floors, and ceilings at areas where walls, floors and ceilings are being removed as required to match surrounding materials to remain.
8. Any penetrations through existing walls, floors, and ceilings shall be repaired and caulked by the respective contractor.
9. See sheet A1 for ADA details and for mounting heights code compliance.
10. All Electrical lines, conduits, gas lines, etc. shall be reworked to be extended out to new surfaces.
11. All exposed electrical conduits and gas lines, and other exterior equipment shall be painted to match adjacent material. See sheet A13 for paint specifications.
12. Weather protection: Contractors shall review extended weather forecast at the beginning of each day. General contractor shall be responsible for continuously protecting the structure and interior of the building from water leakage or water damage. If water damage occurs, contractor shall bear the costs of repair or replacement of damage, back to the original condition.

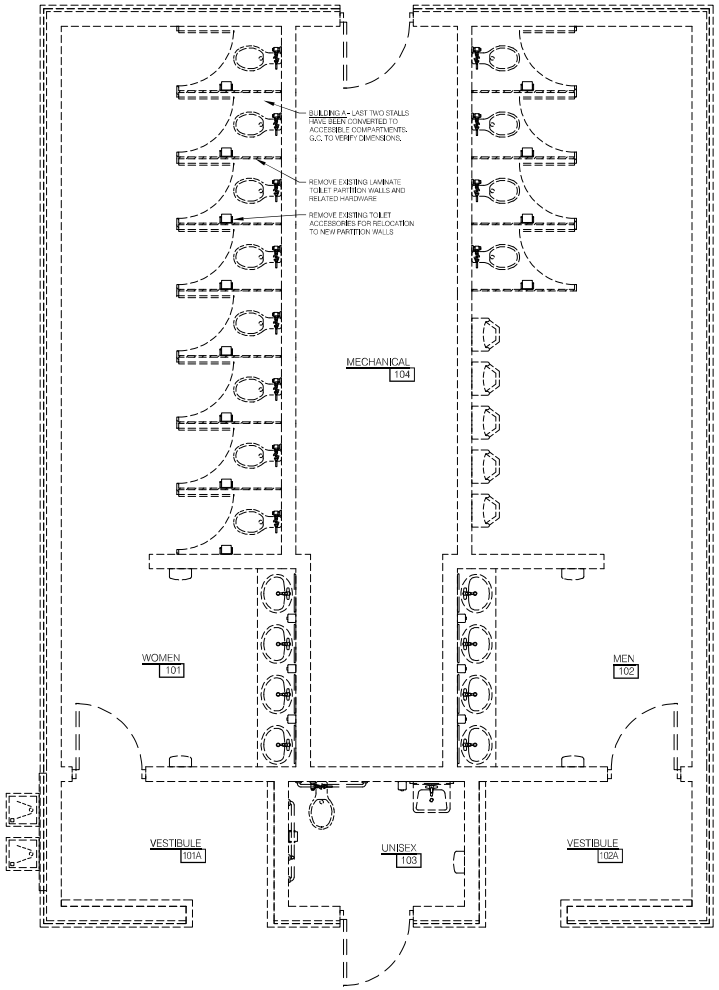
TOILET PARTITION WALL	ASI Solid Plastic (HDPE), Black color
URINAL PARTITION WALL	ASI Solid Plastic (HDPE), Black color

TOILET ACCESSORY NOTES:

1. MOUNTING HEIGHTS SHALL MEET ADA 2010 REQUIREMENTS AND STATE BUILDING CODES. SEE SHEET A1 FOR DETAILS.
2. TOILET ACCESSORIES SHALL BE BY MANUFACTURERS LISTED OR APPROVED EQUAL.
3. ALL EXISTING RESTROOM ACCESSORIES TO REMAIN (UNLESS NOTED)
4. TOILET PARTITIONS SHALL BE FLOOR ANCHORED WITH OVERHEAD BRACING.

G.C. SHALL FIELD VERIFY ALL TOILET PARTITION LOCATIONS AND DIMENSIONS IN BOTH BUILDING A AND BUILDING D.

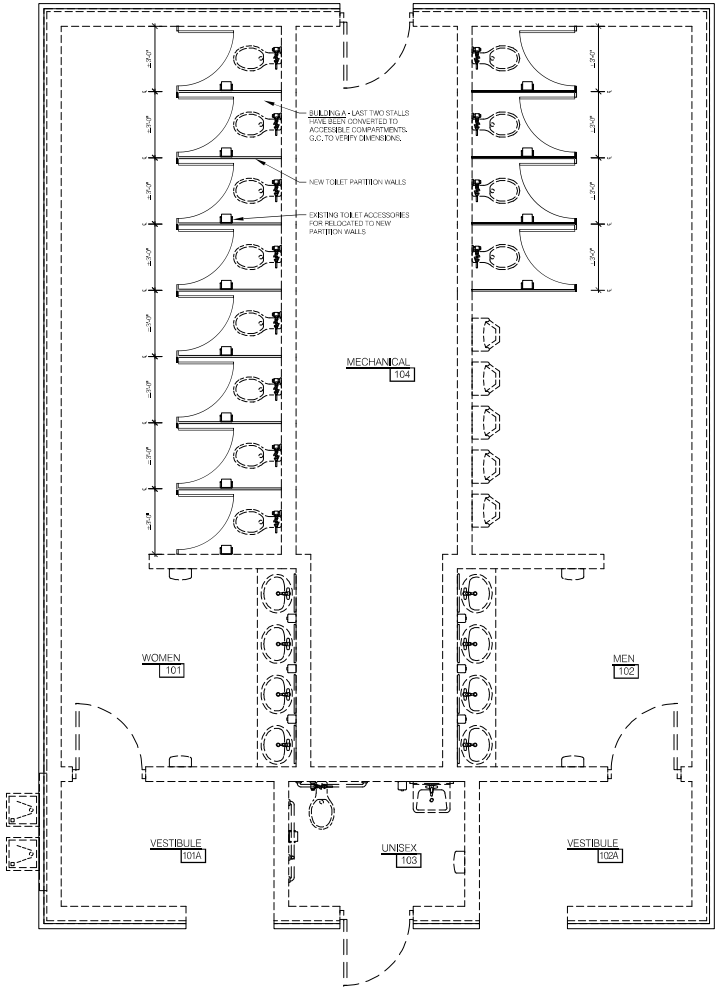
ALL EXISTING TOILET ACCESSORIES SHALL BE REINSTALLED ONTO NEW PARTITION WALLS.



EXISTING BUILDING D DEMOLITION PLAN

SCALE: 3/8" = 1'-0"

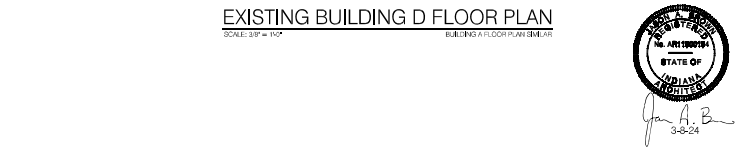
BUILDING A DEMOLITION PLAN SIMILAR



EXISTING BUILDING D FLOOR PLAN

SCALE: 3/8" = 1'-0"

BUILDING A FLOOR PLAN SIMILAR



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www.udaassoc.com

LINCOLN AMPHITHEATRE
AMPHITHEATRE IMPROVEMENTS
LINCOLN CITY, INDIANA

NO.	REVISIONS	DATE

DRAWN: DWW
CHECKED: JAB
APPROVED: JAB

ALTERNATE BID #10
RESTROOM PARTITION PLAN

SCALE: 3/8" = 1'-0"

DATE: 3-8-24

UDA PROJECT NO.: LA23102

DIR PROJECT NO.: ENG2403730319

SHEET NO.: ALT. 10 - A1

PLUMBING FIXTURES

WC-1
Equal to Kohler model #K-84325 "Kingston" vit. china, 1.6 gallon flush, wall mounted, 17 1/2 rim height, elongated bowl, 1 1/2" top spud, Bemis 520SS, solid plastic closed seat in white with open front less cover, self sustaining hinges, stainless steel posts, with check hinge, Sloan Royal #111-1.6 Manual flush valve. Provide with wall carrier equal to watts model # [SCA-DI-4-LR. Install per manufacturer's recommendations.

LAV-1
C.O., to provide solid surface vanity with integral bowl and overflow, P.O., to provide faucet equal to Sloan model # SF-2100-4-WL-0.5-BDM-CP-0.35GPM-MUMPR-ICT; (chrome) single hole sensored faucet without trim plate, handwired, below deck mixing valve, with metal grid strainer, 1-1/4" chrome plated tailpiece, metal grid strainer, 17 ga. offset drain, PVC, 1" trap, chrome wall flange, Brass Craft #KIT012 3/8" comp. x 1/2" nom. sweat copper, chrome plated 1/4 turn angle ball stop, Brass Craft #P1-A 3/8" o.d. comp. PEX supplies with formed nose piece, sleeve and chrome wall flange. Coordinate hole installation for faucet with solid surface vanity supplier.

UR-1
Equal to Kohler model #4991-ET "Bardon" water guard urinal with 3/4" top spud, mount at 24" rim height. Provide with Sloan Regal #186-SPSM-1.0 Manual flush valve.

UR-2
Same as UR-1, Mount at 17" rim height to meet ADA requirements.

CO-1
Equal to Sioux Chief #882-NR; (Round) adjustable clean-out with scoriated nickel bronze cover plate and ring.

CO-2
Threaded clean-out adapter with gasket seal. Provide with threaded end cap with raised square head.

FD-1
Equal to Sioux Chief #832-NR (Round) adjustable floor drain with nickel bronze strainer and barrel, with clamping collar. Provide with in-line floor drain trap sealer equal to Sureseal.

YCO
Yard clean-out, see detail this sheet.

HA-1
Equal to Zurn "Sholtrol" model #Z1700-400 water hammer arrestor with stainless steel casting and bellows and a maximum working pressure of 125 PSI.

HB-1
Equal to Woodford model #65C freezeless automatic draining wall hydrant with vacuum breaker backflow preventer, 3/4" hose thread nozzle, one piece valve plunger for both control and draining, hardened stainless steel stem, brass finish, Furnish with loose tee key.

WH-1
Equal to A.O. Smith #ENT-30; 30 gallon electric water heater with 1 - 4500 watt element, 240 volt. Equip with ASME approved P&T relief valve vented to drain. Set temperature to 115°F.

EXT-1
Equal to Armstrong model #AV-15 thermal expansion absorber with 1.4 gallon total volume and 1.6 maximum acceptance factor.

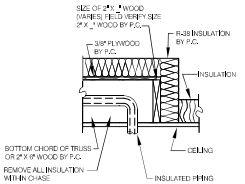
NOTE:
ALL NEW ITEMS ARE SHOWN IN BOLD LINE WEIGHT, ALL EXISTING ITEMS ARE SHOWN IN LIGHT LINE WEIGHT.

POINT OF CONNECTION (NEW TO EXISTING)

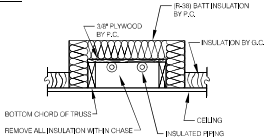
PLUMBING LEGEND

COLD WATER SUPPLY
SANITARY WASTE
SANITARY VENT
CLEANOUT
FULL PORT BALL VALVE
HOSE BIBB

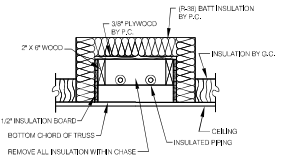
NOTE:
ALL WATER SUPPLY PIPING SHALL BE SLOPED AND DRAINABLE FOR WINTERIZATION. PROVIDE THREADED HOSE OUTLET WITH VACUUM BREAKER VALVE AT LOW POINT.



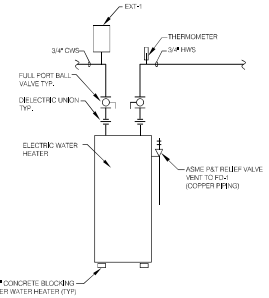
PIPE CHASE DETAIL
- END OF CHASE
NOT TO SCALE



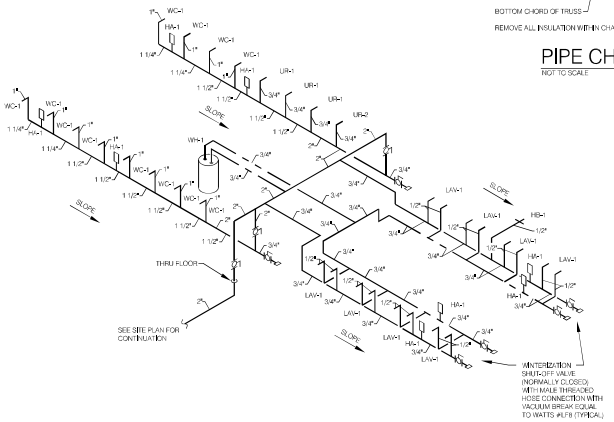
PIPE CHASE DETAIL
NOT TO SCALE



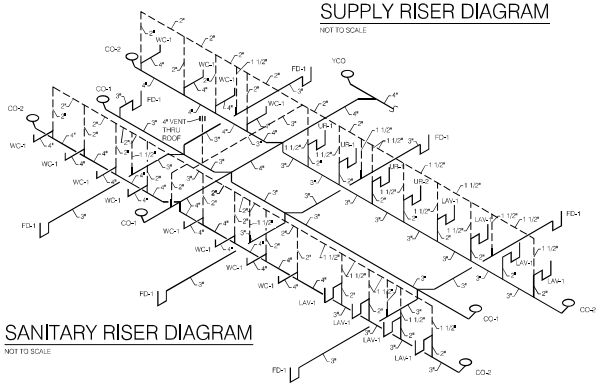
PIPE CHASE DETAIL
NOT TO SCALE



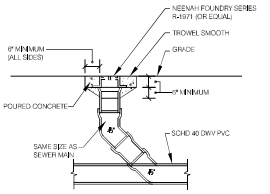
WH-1 DETAIL
NOT TO SCALE



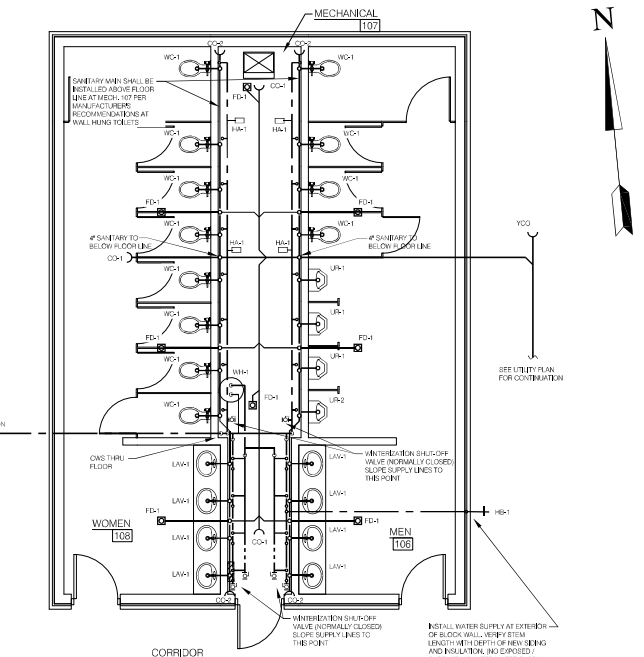
SUPPLY RISER DIAGRAM
NOT TO SCALE

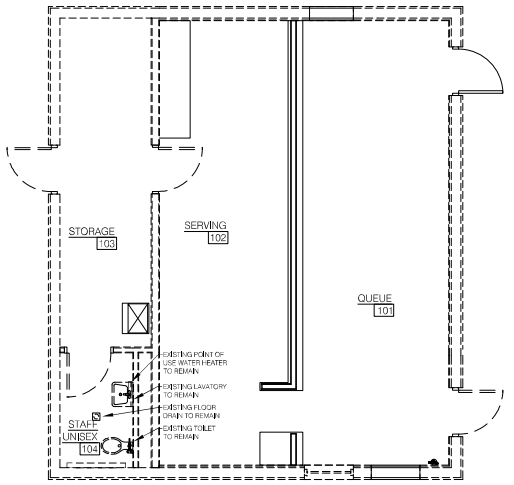


SANITARY RISER DIAGRAM
NOT TO SCALE



YARD CLEANOUT DETAIL
NOT TO SCALE





BUILDING "B" PLUMBING PLAN (BASE BID)
SCALE: 1/4" = 1'-0"

JONATHAN C. PUD
REGISTERED
PE11500566
STATE OF INDIANA
PROFESSIONAL ENGINEER
DATE: 3-8-24

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BY	REMARKS

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LINCOLN AMPHITHEATRE
AMPHITHEATRE IMPROVEMENTS
LINCOLN CITY, _____ INDIANA

DRAWN: LAB
CHECKED: JCP
APPROVED: JCP

BUILDING B PLUMBING PLAN

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

DATE: 3-8-24
UDA PROJECT NO.: LA23102
DIR PROJECT NO.: ENG2403730319
DRILL NO.: P1

PLUMBING SPECIFICATIONS

A. General:

1. Unless otherwise specified, all materials and equipment incorporated in the work shall be new. All workmanship shall be first class and shall be performed by persons qualified in their respective trades.
2. All work installed by this Contractor shall be in compliance with all governing codes,regulations and the recommended installation details of the product manufacturers, unless otherwise noted.
3. All electrical wiring shall be by the Electrical Contractor, including all control wiring.
4. Plumbing Contractor shall locate and verify sizes of existing facilities and utilities prior to the installation of new construction.
5. Plumbing Contractor shall be responsible for obtaining the necessary permits, licenses and inspections governing his portion of the contract from authorities having jurisdiction, and shall pay for the costs of such.
6. Plumbing Contractor shall provide all components of the domestic hot and cold water system, valves and fittings as shown on plans. sanitary sewer and all plumbing fixtures.
7. Contractor shall verify that all plumbing fixtures being installed for handicap accessibility shall be placed accordingly to meet all pertinent accessibility codes.
8. Plumbing Contractor shall provide for all necessary excavation to install sanitary sewer and water piping. Contractor shall provide for safe trenches and shoring for over 4 ft. depth. All piping shall be installed in undisturbed earth and backfilled with granular fill, mechanically compacted in 9" lifts to 95% compaction. Contractor shall remove all excess earth and debris.
9. Plumbing Contractor shall coordinate placement of all water mains, and taps, sewers and drains, vents and all other associated installations with other trades to insure proper placement.
10. Plumbing fixtures listed are for reference only. Equal substitutions of the listed fixtures will be accepted. All fixtures shall be furnished complete with stops, supports, traps, vacuum breakers, etc.
11. Plumbing Contractor shall provide pipe sleeves. Sch 40 galv. steel, one pipe size larger than pipe size passing through wall at all piping pierding walls and two pipe sizes larger than pipe when thru or under foundations or foundation walls. Caulk surrounding areas.
12. Plumbing Contractor shall provide pipe hangers equal to ANVIL #260 with all-thread hanger rods. PVC piping shall be supported at 5 ft. intervals and at each change of direction.
13. Provide appropriately rated sleeve and firestopping sealant where items pass through a fire rated interior partition, floor, ceiling or exterior wall.
14. Contractors are to review drawings, visit site to determine extent of work involved and advise engineer of any discrepancy before bidding this project.
15. Drawings are to scale as indicated and represents a diagrammatic outline of work to be performed but does not reflect all interferences which may arise in concealed areas that could not be detected during design of these documents. Contractors are to include these changes as part of their bid and will not be paid extras unless determined to be a significant change to warrant a change order as determined by the engineer.

B. Start-Up:

1. Plumbing Contractor shall be responsible for the start-up of all plumbing equipment. Prior to start-up of any equipment the Contractor shall check and review all manufacturer's recommendations for proper procedure.

C. Water Piping:

1. All water piping by Plumbing Contractor. All water piping underground shall be type "K"copper or PEX. All piping above ground shall be type "L" copper. CPVC (SCHD 40) or PEX. (PEX shall have inside diameter equal to type "L" copper called out on plans). All copper joints shall be made with wrought copper fittings using lead free solder. If CPVC or PEX is used it shall have an inside diameter equal to or greater than that of type "L" copper of the sizes shown on the plans for 1" and larger pipe.
2. Support copper piping at 8 ft. intervals and at all changes in direction with 3/8" all-thread rod, beam clamps, and clevis hangers. Support cpvc and pex piping at 4'-0" intervals.
3. Support piping as recommended by the manufacturer and at all changes in direction with 3/8" all-thread rod, beam clamps, and clevis hangers.
4. Horizontal and vertical runs of piping shall be installed parallel and perpendicular to the walls. Vertical piping shall be plumb and perpendicular to floors and ceilings.
5. Water pipes located in exterior walls shall be on the "heated" side of the building insulation.
6. All water pipe shall be located within mechanical chase below ceiling unless otherwise noted.

D. Sanitary Waste and Vent Piping:

1. All sanitary waste and vent piping by Plumbing Contractor. All piping above and below grade to be PVC DWV Sch. 40, solvent joint piping and fittings.
2. All required excavation by Plumbing Contractor with #53 stone backfill mechanically compacted to 95% compaction. Excess material to be removed from site by respective contractor.
3. All piping to be installed on firm earth to slope at minimum 1/8" per foot. Verify all inverts prior to construction start. Provide standpipe test as per Indiana Plumbing Code.
4. All cleanouts shall be full size for 4" and smaller pipe. Cleanouts shall be 4" for pipe larger than 4"and brought to grade.
5. All vent pipe shall be located above the ceiling unless otherwise noted.

E. Pipe Insulation:

1. All above ground hot and cold water piping to be insulated with 1/2" thick elastomeric insulation installed as per manufacturer's recommendations. All insulation to be installed by qualified personnel to provide a professional vaportight seal on all piping.
2. All hot and cold water piping located in exterior walls shall be run on "heated" side of building insulation.
3. Provide 1/2" thick Armaflex pipe insulation on all pvc, pex or cpvc pipes. (Due to fire code)

F. Shop drawings:

1. Plumbing Contractor shall provide 5 sets of shop drawings or electronic media for all contractor provided equipment and plan.

G. Record documents:

1. Plumbing Contractor shall provide 1 set of accurate as-built drawings.
2. Plumbing Contractor shall provide 2 bound copies of maintenance, service manuals and warranties for all equipment supplied.

PLUMBING FIXTURES

WC-1
Equal to Kohler model #K-84325 "Kingston" vit. china, 1.6 gallon flush, wall mounted, 17 1/2 dm height, elongated bowl, 1 1/2" top spud, Bemis 9355S, solid plastic closet seat in white with open front less cover, self sustaining hinges, stainless steel posts, with check hinge, Sloan Royal #111-1.6 Manual flush valve. Provide with wall carrier equal to watts model # HSCA-141. Install per manufacturer's recommendations.

CO-1
Equal to Sioux Chief #882-NR (Round) adjustable clean-out with scoriated nickel bronze cover plate and ring.

CO-2
Threaded clean-out adapter with gasket seal. Provide with threaded end cap with raised square head.

FD-1
Equal to Sioux Chief #832-4R (Round) adjustable floor drain with nickel bronze strainer and barrel with clamping collar. Provide with inline floor drain trap sealer equal to Sureseal.

YCO
Yard clean-out, see detail this sheet.

HA-1
Equal to Zurn "Shokrid" model #Z1700-400 water hammer arrestor with stainless steel casing and bellows and a maximum working pressure of 125 PSI.

DEMOLITION NOTES:

1. This plan is to give Contractors a general idea of which items need to be performed in each phase of construction. This plan does not give specific details on all items to be prformed, see the "General and Mechanical / Electrical" plans for more detail.
2. Drawings are to scale as indicated and represent a diagrammatic outline of work to be performed but does not reflect all interferences which may arise in concealed areas that could not be detected during design of these documents. Contractors are to include these changes as part of their bid and will not be paid extras unless determined to be a significant change to warrant a change order as determined by the Engineer.
3. Respective contractors shall locate existing utilities prior to any construction. Respective contractors shall disconnect utilities at areas where demolition will occur. Coordinate with General Contractor and Owner.
4. Contractors shall be responsible for visiting the job facilities and thoroughly acquainting themselves with work conditions and details advise Engineer of any discrepancy before bidding this project.
5. Owner has first right of refusal for all salvagable items. All other items shall become property of contractor unless noted otherwise and be disposed of lawfully by the contractor. Verify items to be salvaged with the owner.
6. G.C. shall repair all openings left in the ceiling, floor, and walls resulting from removal of identified items, pipe, mechanical equipment, diffuser, duct, etc.
7. All items required to be removed may not be listed in the Demolition Notes. It is the Contractors responsibility to visit the job site to fully acquaint themselves with all required work to be performed as required for the new build in this location. The notes listed shall give a diagrammatic outline of what is wanted or needed to be removed. The contractor shall include the non listed required items in their bid. Contact Engineer or Owner if there are any item of concern relating to this issue.
8. See Demolition plan sheet for items to be removed. Coordinate with G.C.
9. Existing utilities are shown in their approximate locations as taken from existing drawings and does not limit the possibility of additional utilities in this area. Utilities are may not actually be locations shown or may not be the sizes shown. Contractors to verify sizes, locations and routing of existing utilities prior to performing work.

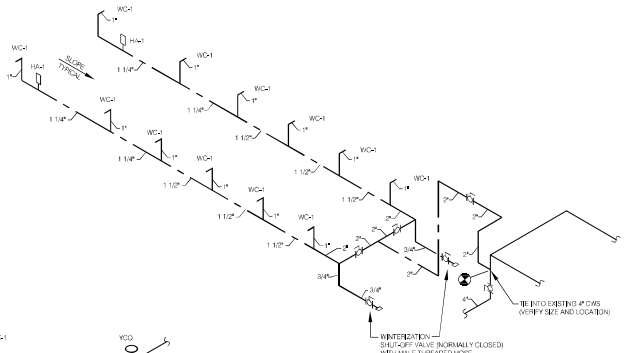
NOTE:
ALL NEW ITEMS ARE SHOWN IN BOLD LINE WEIGHT.
ALL EXISTING ITEMS ARE SHOWN IN LIGHT LINE WEIGHT.

— POINT OF CONNECTION (NEW TO EXISTING)

PLUMBING LEGEND

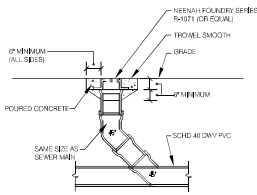
COLD WATER SUPPLY
SANITARY WASTE
SANITARY VENT
CLEANOUT
FULL PORT BALL VALVE
HOSE BIBB

NOTE:
ALL WATER SUPPLY PIPING SHALL BE SLOPED AND DRAINABLE FOR WINTERIZATION. PROVIDE THREADED HOSE OUTLET WITH VACUUM BREAKER VALVE AT LOW POINT.



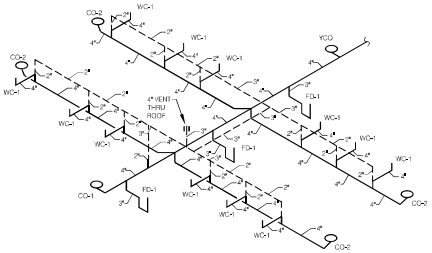
SUPPLY RISER DIAGRAM

NOT TO SCALE



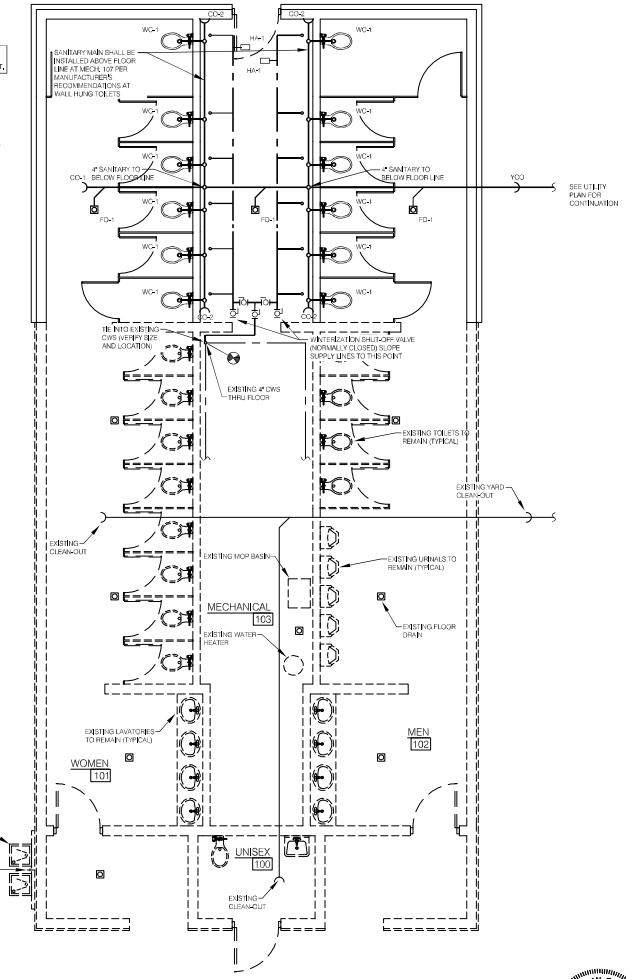
YARD CLEANOUT DETAIL

NOT TO SCALE



SANITARY RISER DIAGRAM

NOT TO SCALE



BUILDING "D" PLUMBING PLAN (ALTERNATE BID 2)

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

JONATHAN C. PUND
REGISTERED
PE11500566
STATE OF INDIANA
PROFESSIONAL ENGINEER

DATE: 3-8-24

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Peru, Indiana 46970-2352
Phone: 812/385-2401
Fax: 812/385-2401
e-mail: universaldesign@comcast.net
www.udaiinc.com

NO.	DATE	REVISIONS
1	3-8-24	ADD ALT BID 2

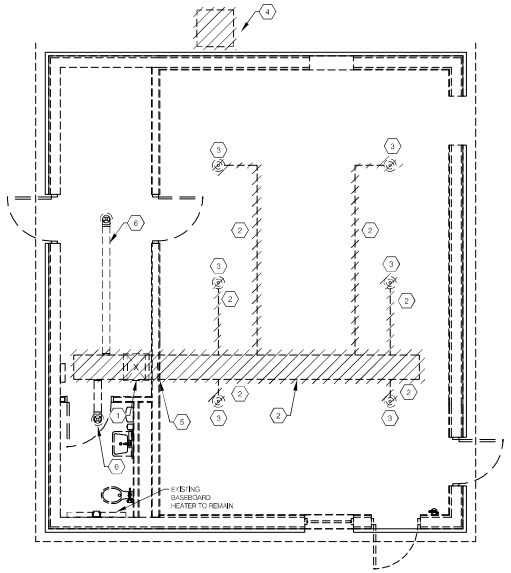
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LINCOLN AMPHITHEATRE
AMPHITHEATRE IMPROVEMENTS
LINCOLN CITY, INDIANA

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APPROVED: JCP

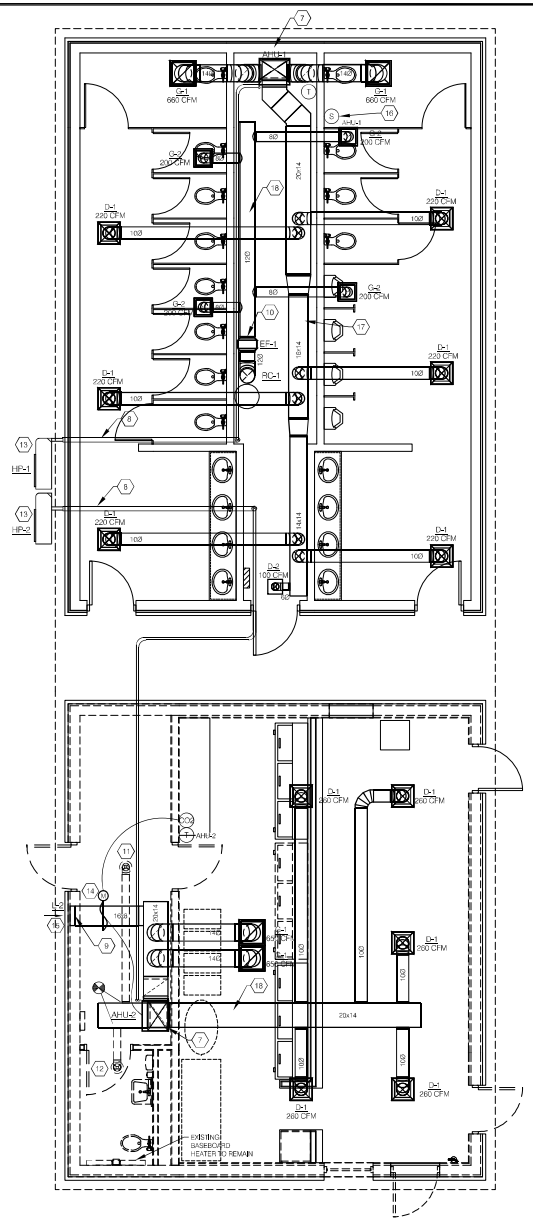
ALT. BID 2 - BUILDING D
PLUMBING PLAN

SCALE: 1/4"=1'-0"
DATE: 3-8-24
UDA PROJECT NO.: LA23102
DNR PROJECT NO.: ENG2403730319
DRILL NO.: P2



BUILDING "B" HVAC
DEMOLITION PLAN (BASE BID)

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



BUILDING "B" HVAC PLAN
(BASE BID)

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

KEYED NOTES:

1. REPLACE EXISTING AIR HANDLER AND RELATED COMPONENTS, ELECTRICAL POWER BY E.C., REWORK DUCTWORK AS REQUIRED
2. REMOVE EXISTING DUCTWORK AND RELATED COMPONENTS AS REQUIRED, FIELD VERIFY SIZES AND LOCATIONS
3. REMOVE EXISTING SUPPLY DIFFUSER AND RELATED COMPONENTS, FIELD VERIFY SIZE AND LOCATION
4. REMOVE EXISTING CONDENSING UNIT AND RELATED COMPONENTS, DISCONNECT POWER, FIELD VERIFY
5. REMOVE EXISTING RETURN AIR GRILLE, FIELD VERIFY SIZE AND LOCATION, REWORK DUCTWORK FOR NEW AIR HANDLER AS REQUIRED
6. EXISTING DUCTWORK AND DIFFUSER TO REMAIN AS REQUIRED, FIELD VERIFY, REWORK DUCTWORK TO TIE INTO NEW MAIN, FIELD VERIFY
7. NEW AIR HANDLING UNIT
8. PROVIDE 4" PVC CONDUITS ROUTED UNDER SLAB WITH LONG SWEEPING ELBOWS FOR REFRIGERANT LINES AND CONTROL WIRING AS REQUIRED, PROVIDE HDPE PORTAL AT ENTRANCE AND EXIT
9. NEW INTAKE LOUVER, SEE SPECS, COORDINATE WITH G.C. ON OPENING SIZE AND LOCATION, MOUNT AS HIGH AS POSSIBLE
10. EXHAUST FAN MOUNTED IN ATTIC, FIELD VERIFY LOCATION, SECURE TO TRUSS MEMBER
11. REBALANCE SUPPLY DIFFUSER TO 100 CFM
12. REBALANCE SUPPLY GRILLE TO 50 CFM
13. HEAT PUMP MOUNTED ON SLOPE GRADE, FIELD VERIFY REQUIREMENTS, PROVIDE CONCRETE PAD
14. YOUNG REGULATOR INDOOR AIR QUALITY DAMPER AND SENSOR MODEL #IDA-CO2. INSTALL PER MANUFACTURE RECOMMENDATIONS. PROVIDE REQUIRED POWER AND TRANSFORMERS FROM AIR HANDLING UNIT
15. OUTSIDE AIR DAMPER. BALANCE TO 400 CFM
16. STAINLESS STEEL WALL PLATE TEMPERATURE SENSOR COMPATIBLE WITH THERMOSTAT
17. ROUTE DUCTWORK BELOW CEILING IN MECHANICAL ROOM (TYP)
18. ROUTE DUCTWORK WITHIN ATTIC SPACE (TYP)

GENERAL NOTES:

1. COORDINATE DIFFUSER AND DUCTWORK LOCATIONS WITH ALL TRADES PRIOR TO INSTALLATION
2. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING PROJECT
3. ROUTE REFRIGERANT LINES WITHIN CONDITIONED SPACES AS MUCH AS POSSIBLE
4. PROVIDE CAULKING AROUND ALL PENETRATIONS THRU CEILING RATED FOR EXTERIOR USE

POC – POINT OF CONNECTION (NEW TO EXISTING)

DEMOLITION NOTES:

1. This plan is to give Contractors a general idea of which items need to be performed in each phase of construction. This plan does not give specific details on all items to be performed, see the "General and Mechanical / Electrical" plans for more detail.
2. Respective contractors shall locate existing utilities prior to any construction. Respective contractors shall disconnect utilities at areas where demolition will occur. Coordinate with General Contractor and Owner.
3. Contractors shall be responsible for visiting the job facilities and thoroughly acquainting themselves with work conditions and details advise engineer of any discrepancy before bidding this project.
4. Owner has first right of refusal for all salvageable items. All other items shall become property of contractor unless noted otherwise and be disposed of lawfully by the contractor, Verify items to be salvaged with the owner.
5. G.C. shall repair all openings left in the ceiling and walls resulting from removal of electrical items, pipe, mechanical equipment, diffuser, duct, etc.
6. All items required to be removed may not be listed in the Demolition Notes. It is the Contractors responsibility to visit the job site to fully acquaint themselves with all required work to be performed as required for the new build in this location. The notes listed shall give a diagrammatic outline of what is wanted or needed to be removed. The contractor shall include the non-listed required items in their bid. Contact Engineer or Owner if there are any item of concern relating to this issue.
7. See Demolition plan sheet for items to be removed. Coordinate with G.C.
8. It is the HVAC contractor responsibility to disconnect electrical power and control wiring. Control wiring shall be removed as required. Build verify. Reuse existing power as required. Remove existing power connection back to point of connection as required.



DATE: 3-8-24

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LINCOLN AMPHITHEATRE

AMPHITHEATRE IMPROVEMENTS

LINCOLN CITY, INDIANA

DRAWN: AWM
CHECKED: JCP
APPROVED: JCP

BUILDING B HVAC PLAN

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

DATE: 3-8-24

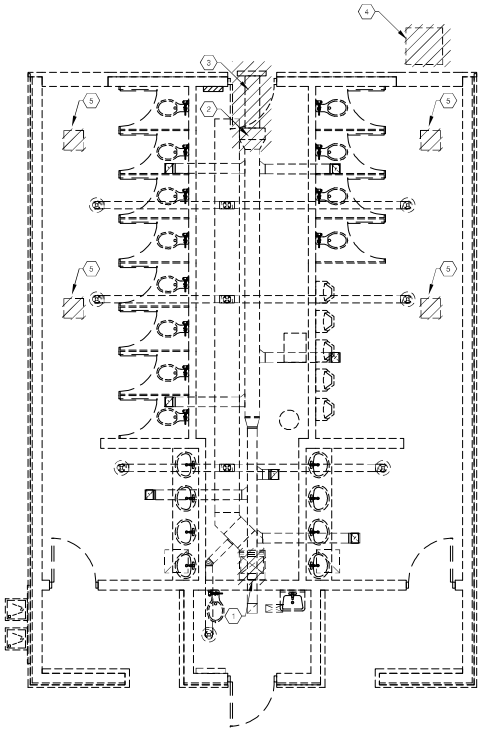
UDA PROJECT NO.: LA23102

DIR PROJECT NO.: ENG2403730319

DRWG NO.: HVAC-1

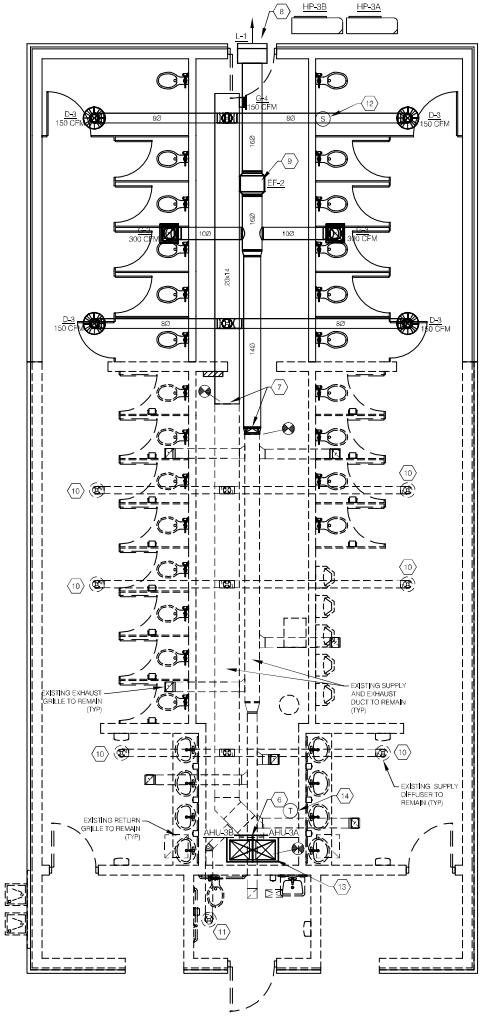
NO.	DATE	REMARKS
1	8-1-24	PERMIT SET
2	8-21-24	ADDENDUM #1

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BUILDING "D" HVAC
DEMOLITION PLAN
(ALT-BID 2)

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



BUILDING "D" HVAC PLAN
(ALT-BID 2)

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

N

JOB NORTH

KEYED NOTES:

1. REPLACE EXISTING AIR HANDLER AND RELATED COMPONENTS. ELECTRICAL POWER BY E.C. REWORK DUCTWORK AS REQUIRED
2. REMOVE EXISTING EXHAUST FAN AND RELATED COMPONETS. DISCONNECT DUCTWORK AND TEMPORARILY CAP
3. REMOVE EXISTING EXHAUST DUCT AND LOUVER THRU WALL AND RELATED COMPONENTS
4. REMOVE EXISTING CONDENSING UNIT AND RELATED COMPONENTS. DISCONNECT POWER. FIELD VERIFY REQUIREMENTS
5. REMOVE EXISTING UNIT HEATER AND RELATED COMPONENTS. DISCONNECT POWER, G.C. TO REPAIR CEILING AS REQUIRED
6. NEW AIR HANDLING UNIT TIE INTO EXISTING SUPPLY AND RETURN DUCT FIELD VERIFY REQUIREMENTS
7. TIE INTO EXISTING DUCTWORK. MATCH EXISTING EXTERIOR INSULATION, FIELD VERIFY.
8. NEW EXHAUST LOUVER. SEE SPECS. COORDINATE WITH G.C. ON OPENING SIZE AND LOCATION. MOUNT AS HIGH AS POSSIBLE
9. NEW EXHAUST FAN IN ATTIC. TIE INTO EXISTING EXHAUST DUCT. FIELD VERIFY SIZE AND LOCATION
10. REBALANCE SUPPLY DIFFUSER TO 150 CFM
11. REBALANCE SUPPLY GRILLE TO 50 CFM
12. STAINLESS STEEL WALL PLATE TEMPERATURE SENSOR. COMPATIBLE WITH THERMOSTAT
13. PROVIDE NEW SUPPLY PLENUM ATTACHED TO BOTH UNITS. PROVIDE FULL SIZE UP TIE INTO EXISTING SUPPLY DUCT, FIELD VERIFY REQUIREMENTS
14. INTERLOCK THERMOSTAT WITH BOTH AHU-3A AND AHU-3B. BOTH UNITS SHALL OPERATE AT THE SAME TIME

GENERAL NOTES:

1. COORDINATE DIFFUSER AND DUCTWORK LOCATIONS WITH ALL TRADES PRIOR TO INSTALLATION
2. FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BIDDING PROJECT
3. ROUTE REFRIGERANT LINES WITHIN CONDITIONED SPACES AS MUCH AS POSSIBLE
4. PROVIDE CAULKING AROUND ALL PENETRATIONS THRU CEILING RATED FOR EXTERIOR USE

— POINT OF CONNECTION (NEW TO EXISTING)

DEMOLITION NOTES:

1. This plan is to give Contractors a general idea of which items need to be preformed in each phase of construction. This plan does not give specific details on all items to be preformed, see the "General and Mechanical / Electrical" plans for more detail.
2. Respective contractors shall locate existing utilities prior to any construction. Respective contractors shall disconnect utilities at areas where demolition will occur. Coordinate with General Contractor and Owner.
3. Contractors shall be responsible for visiting the job facilities and thoroughly acquainting themselves with work conditions and details advise engineer of any discrepancy before bidding this project.
4. Owner has first right of refusal for all salvageable items. All other items shall become property of contractor unless noted otherwise and be disposed of lawfully by the contractor. Verify items to be salvaged with the owner.
5. G.C. shall repair all openings left in the ceiling and walls resulting from removal of electrical items, pipe, mechanical equipment, diffuser, duct, etc.
6. All items required to be removed may not be listed in the Demolition Notes. It is the Contractors responsibility to visit the job site to fully acquaint themselves with all required work to be performed as required for the new build in this location. The notes listed shall give a diagrammatic outline of what is wanted or needed to be removed. The contractor shall include the non listed required items in their bid. Contact Engineer or Owner if there are any item of concern relating to this issue.
7. See Demolition plan sheet for items to be removed, Coordinate with G.C.
8. It is the HVAC contractor responsibility to disconnect electrical power and control wiring. Control wiring shall be removed as required. Not verify. Reuse existing power as required. Remove existing power connection back to point of connection as required.

JONATHAN C. PUND
REGISTERED
PE11500566
STATE OF INDIANA
PROFESSIONAL ENGINEER

DATE: 3-8-24

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NO.	REMARKS	DATE
1	ADDENDUM 1	6-11-24
2	ADDENDUM 2	6-18-24

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LINCOLN AMPHITHEATRE

AMPHITHEATRE IMPROVEMENTS

LINCOLN CITY, INDIANA

DRAWN: AWM
CHECKED: JCP
APPROVED: JCP

BUILDING D HVAC PLAN

SCALE: 1/4"=1'0"

DATE: 3-8-24

UDA PROJECT NO.: LA23102

SHEET PROJECT NO.: ENG2403730319

DRWG NO.: HVAC-2

HVAC SPECIFICATIONS

A. GENERAL:

1. Unless otherwise specified, all materials and equipment incorporated in the work shall be new. All workmanship shall be first class and shall be performed by persons qualified in their respective trades.
2. All work installed by this Contractor shall be in compliance with all governing codes, regulations and the recommended installation details of the product manufacturers, unless otherwise noted.
3. Electrical wiring shall be by the Electrical Contractor. All temperature control wiring by HVAC Contractor.
4. HVAC Contractor shall locate and verify sizes of existing facilities and utilities prior to the installation of new construction.
5. HVAC Contractor shall be responsible for obtaining the necessary permits, licenses, and inspections governing his portion of the contract from authorities having jurisdiction, and shall pay for the costs of such.
6. See the site plan for all exterior HVAC and related items.

B. START-UP:

1. HVAC Contractor shall be responsible for the start-up of all HVAC equipment. Prior to start-up of any equipment, the Contractor shall check and review all manufacturer's recommendations for proper procedure.

C. DUCTWORK:

1. All rectangular and round ductwork dimensions shown are clear inside dimensions, allow for insulation.
2. Round and rectangular duct shall be sheet metal or flexible duct. Use spin-in connector with extractor at all round to rectangular duct connections. The total flexible duct in any one branch shall not exceed 5 ft.
3. Provide "Air Turns" or "radius elbows" at all rectangular duct elbows or tees.
4. Seal duct with polymer sealant
5. Provide 1 1/2" thick insulation for all supply duct and return duct located in attic. Equal to Johns Manville R6X duct wrap or flexible duct with R-6 insulation

D. BALANCING:

1. HVAC Contractor shall provide a certified balance for all grilles and diffusers as indicated on the drawings for proper air flow in duct system. HVAC Contractor shall provide a report indicating the actual flow at each diffuser to diffuser.
2. Supply diffusers, supply duct and outside air shall be within +/-10% of design flow at maximum speed setting

E. GUARANTEE:

1. Contractor shall be responsible for and guarantee all materials and workmanship for one year from date of acceptance and shall repair or replace any defects at his own expense. A/C compressors shall be guaranteed for 5 years.

F. SHOP DRAWINGS:

1. HVAC Contractor shall provide electronic copy shop drawings for all contractor provided equipment and duct.

G. RECORD DOCUMENTS:

1. HVAC Contractor shall provide 1 set of accurate as-built drawings.
2. HVAC Contractor shall provide 2 bound copies of maintenance, service manuals and warranties for all equipment supplied.

NOTES:

1. Contractors are to review drawings, visit site to determine extent of work involved and advise engineer of any discrepancy before bidding this project.
2. Drawings are to scale as indicated and represent a diagrammatic outline of work to be performed but does not reflect all interferences which may arise in concealed areas that could not be detected during design of these documents. Contractors are to include these changes as part of their bid and will not be paid extras unless determined to be a significant change to warrant a change order as determined by the engineer.
3. Drawings are diagrammatic and are intended to indicate general arrangement of equipment and ductwork, make reasonable modifications in the installation as all equipment and materials fit properly and can be serviced.
4. All systems within the building shall be designed, per code, to withstand seismic forces. equipment must be adequately braced to survive a seismic event. The contractor is responsible for the design and installation of seismic bracing as per product manufacturers instructions. see structural plans for seismic design criteria.
5. Frame for the filter shall be durable and shall provide an airtight fit with the filter cabinet (foam around perimeter of frame) to provide a positive seal against air leakage around the filter.
6. Filter efficiencies shall be warranted by the manufacturer.
7. Outdoor air intakes shall be installed per Indiana Mechanical Code.
8. Label all furnaces, condensing units & thermostats.
9. HVAC contractor to coordinate duct routing thru the whole building with all trades including the general contractor, structural drawings and truss contractor prior to construction to avoid interferences. Install duct to allow for servicing the A/C.
10. Any penetrations thru the sound walls (above or below the suspended acoustical ceiling) and sound ceiling shall be sealed tight and caulked. see floor plan for sound wall locations and framing plan for sound ceiling locations.
11. Motorized damper shall open when air handlers are operating.
12. Universal Design Associates, Inc., being the author of these construction documents reserves the right of final interpretation as to their intent and meaning. Any additional work or costs resulting from the contractors own interpretation as to the intent or meaning without consultation with Universal Design Associates, Inc. shall be the responsibility of the contractor at no cost to owner or a/e.
13. The intent of the work indicated on these construction documents is to provide a fully functioning system in complete working order. It shall be the responsibility of the contractor and the contractors suppliers to include all accessories, components, parts, etc. that may not be indicated on these construction documents to provide systems and equipment that operate satisfactorily as designed and intended.

SCHEDULE OF DIFFUSERS

SYMBOL	MFG.	MODEL	NOMINAL SIZE	CORE TYPE	INLET SIZE	CFM	THROW	PRESSURE DROP	SOUND	MOUNTING	SERVICE	NOTES
D-1	Price	PDS	16" X 16"	Perforated	10"	210	4-5-5	0.031	<20	Surface	Supply	(1),(2),(3),(4)
D-2	Price	PDS	12" X 12"	Perforated	8"	75	3-3-3	0.031	<20	Surface	Supply	(1),(2),(3),(4)
D-3	Price	ROD	18"	Cone	8"	140	5-5-4	0.027	<20	Surface	Supply	(1),(3),(5)

NOTES:
1. PROVIDE SURFACE MOUNT FRAME
2. PROVIDE THERMAL BLANKET
3. VOLUME CONTROL DAMPER
4. 4-WAY DIRECTIONAL THROW
5. 4-CONE

REMARKS:
DIFFUSERS AND EQUIPMENT SHALL BE PRICE, METALAIRE, TITUS, OR APPROVED EQUAL

SCHEDULE OF GRILLES

SYMBOL	MFG.	MODEL	NOMINAL SIZE	CORE TYPE	INLET SIZE	CFM	THROW	PRESSURE DROP	SOUND	MOUNTING	SERVICE	NOTES
G-1	Price	FDR	20" X 20"	Perforated	18" X 18"	675	-	0.019	<20	Surface	Return	(1)
G-2	Price	FDR	12" X 12"	Perforated	10" X 10"	208	-	0.018	<20	Surface	Return	(1)
G-3	Price	FDR	16" X 16"	Perforated	14" X 14"	405	-	0.018	<20	Surface	Return	(1)
G-4	Price	510	14" X 4"	Louver	12" X 4"	115	4-4-3	0.014	<20	Duct	Supply	(2),(3)

NOTES:
1. SURFACE MOUNT FRAME
2. DUCT MOUNTED
3. VOLUME CONTROLLER

REMARKS:
DIFFUSERS AND EQUIPMENT SHALL BE PRICE, METALAIRE, TITUS, OR APPROVED EQUAL

HEAT PUMP SCHEDULE

SYMBOL	MFG. OR EQUAL	MODEL	COOLING CAPACITY (BTUH)	EER	HEATING CAPACITY @ 47° F	COP	HEATING CAPACITY @ 17° F	COP	POWER VOLTS	POWER PHASE	POWER MCA	POWER MOCP	REFRIPE LIQUID	REFRIPE VAPOR	BRANCH BOX SYMBOL	BRANCH BOX MODEL	NOTES:
HP-1	MITSUBISHI	PUMY-P48NKMU1	48,000	11.3	54,000	3.3	34,000	2.1	208	1	36	40	3/8"	5/8"	-	-	1,2,3,4
HP-2	MITSUBISHI	PUMY-P48NKMU1	48,000	11.3	54,000	3.3	34,000	2.1	208	1	36	40	3/8"	5/8"	-	-	1,2,3,4
HP-3A & HP-3B	MITSUBISHI	SUZ-KA30NHZ	27,000	12.5	34,000	3.9	22,000	2.0	208	1	24	40	3/8"	5/8"	-	-	1,2,3,4

1. PROVIDE WITH WIRE GUARD
2. PROVIDE WITH R-410A REFRIGERANT
3. PROVIDE WITH HEATER HEATING
4. PROVIDE COMPOSITE MOUNTING PAD

HEAT PUMP SPECIFICATIONS REPRESENTS A STANDARD OF QUALITY AND PERFORMANCE EQUAL TO SUBSTITUTIONS WILL BE ACCEPTED
MULTI-ZONE HEAT PUMPS SHALL BE COMPATIBLE WITH BRANCH BOXES AS LISTED

AIR HANDLER SCHEDULE

SYMBOL	MFG. OR EQUAL	MODEL	COOLING CAPACITY (BTUH)	HEATING CAPACITY @ 47° F	ELECTRIC HEAT	POWER VOLTS	POWER PHASE	POWER MCA	POWER MOCP	DRAIN CONN. O.D.	REFRIPE LIQUID	REFRIPE VAPOR	OUTSIDE AIR	NOTES:
AHU-1	MITSUBISHI	PVFY-P48NAMU-1	48,000	54,000	-	208	1	5.6	-	3/4"	3/8"	5/8"	0	1,2,3,4
AHU-2	MITSUBISHI	PVFY-P48NAMU-1	48,000	54,000	-	208	1	5.6	-	3/4"	3/8"	5/8"	400	1,2,3,4
AHU-3A & AHU-3B	MITSUBISHI	SVZ-KP30NA	27,000	34,000		208	1	4.13		3/4"	3/8"	5/8"	0	1,2,3,4

1. PROVIDE UNIT WITH DRAIN PAN SENSOR
2. PROVIDE UNIT WITH ANTI-ALLERGY ENZYME FILTER AND FRAME
3. COOL, HEAT, DRY (DEHUMIDIFICATION) MODE
4. DISCONNECT SWITCH

ACCEPTABLE MANUFACTURERS INCLUDE TRANE, LG, FUJITSU, AND SAMSUNG, NO SUBSTITUTIONS

(T) =PROVIDE UNITS WITH 7-DAY PROGRAMMABLE THERMOSTAT WITH DIGITAL TOUCH SCREEN EQUAL TO MHK2, COMPATIBLE WITH HVAC SYSTEM AND REMOTE SENSORS

(S) =FLUSH MOUNT REMOTE WIRED TEMPERATURE SENSORS COMPATIBLE WITH THERMOSTAT EQUAL TO PAC-USS01SB2-HH1. SENSOR SHALL BE WALL PROVIDE WITH STAINLESS STEEL WALL PLATE. COORDINATE WITH E.C.

LOUVER SCHEDULE

TAG	MANUFACTURER	MODEL	SIZE (INCHES)	FLOW	SERVICE	NOTE
L-1	GREENHECK	ESD-435	24" X 24"	1700	EXHAUST	1,2
L-2	GREENHECK	BVE	15.75" X 7.75"	400	INTAKE	1,2

NOTE:
1. PROVIDE WITH BIRDSCREEN
2. BRONZE COLOR

LOUVER REPRESENTS A STANDARD QUALITY AND PERFORMANCE TO SUBSTITUTIONS WILL BE ACCEPTED

ROOF CAP SCHEDULE

TAG	MANUFACTURER	MODEL	SIZE (INCHES)	FLOW	SERVICE	NOTE
RC-1	FANTECH	RC12F	12"	400	EXHAUST	1,2,3

NOTE:
1. CAP SHALL BE BLACK IN COLOR
2. PROVIDE WITH BACKDRAFT DAMPER
3. PROVIDE WITH INSECT SCREEN

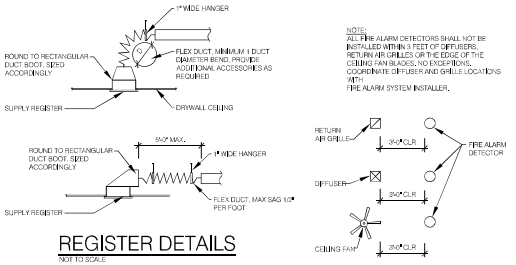
CAP SPECIFICATIONS REPRESENTS A STANDARD OF QUALITY AND PERFORMANCE EQUAL TO SUBSTITUTIONS WILL BE ACCEPTED

EXHAUST FAN SCHEDULE

TAG	MANUFACTURER	MODEL	FLOW	STATIC PRESSURE	MCA	MOCP	VOLT	DUCT SIZE	NOTE
EF-1	FANTECH	FG-12XL	880	0.20	2.24	-	120	12"	1,2
EF-2	FANTECH	FKD-16	1968	0.90	6.07	-	120	16"	1,2

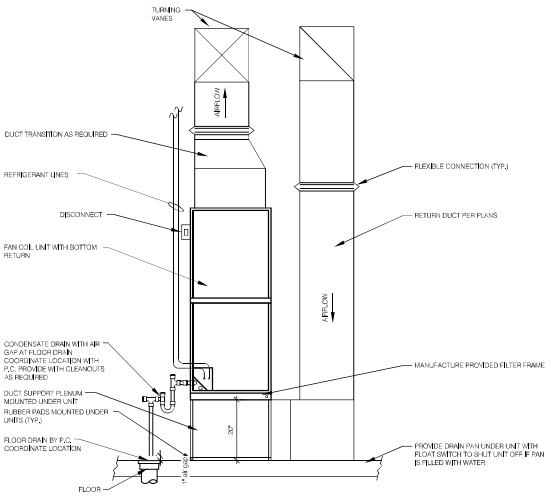
1. FAN TO BE CONTROLLED BY BREAKER, POWER PROVIDED BY E.C.
2. PROVIDE SUPPORT STRAPS

EXHAUST FAN REPRESENTS A STANDARD OF QUALITY AND PERFORMANCE EQUAL TO SUBSTITUTIONS WILL BE ACCEPTED



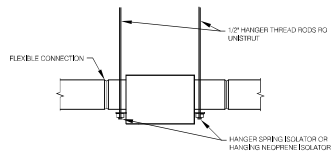
REGISTER DETAILS

NOT TO SCALE



AIR HANDLER DETAIL

NOT TO SCALE



EXHAUST FAN DETAIL

NOT TO SCALE

JONATHAN C. PUND
REGISTERED
PE11500566
STATE OF INDIANA
PROFESSIONAL ENGINEER

DATE: 3-8-24

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LINCOLN AMPHITHEATRE
AMPHITHEATRE IMPROVEMENTS
LINCOLN CITY, INDIANA

DRAWN: AWM
CHECKED: JCP
APPROVED: JCP

HVAC DETAILS

SCALE: NOT TO SCALE

DATE: 3-8-24

UDA PROJECT NO.: LA23102

DNR PROJECT NO.: ENG2403730319

DRILL NO.: HVAC-3

NO.	REMARKS	DATE

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DEMOLITION NOTES:

1. This plan is to give Contractors a general idea of which items need to be removed. This plan does not give specific details on all items to be performed: see the "General and Mechanical / Electrical" plans for more detail.
2. Respective contractors shall locate existing utilities prior to any construction. Coordinate with each trade and Owner to ensure the existing building stays fully operational. Respective contractors shall disconnect utilities at areas where demolition will occur. Coordinate with General Contractor and Owner.
3. Contractors shall be responsible for visiting the job facilities and thoroughly acquainting themselves with work conditions and details involved prior to any discrepancy before bidding this project.
4. Owner has first right of refusal for all salvageable items. All other items shall become property of contractor unless noted otherwise and be disposed of lawfully by the contractor. Verify items to be salvaged with the owner.
5. G.C. shall repair all openings left in the ceiling, walls and floor resulting from removal of electrical items, pipe, mechanical equipment, diffuser, duct, etc.
6. All items required to be removed may not be listed in the Demolition Notes. It is the Contractors responsibility to visit the job site to fully acquaint themselves with all required work to be performed as required for this new build in this location. The notes listed shall give a diagrammatic outline of what is wanted or needed to be removed. The contractor shall include the non listed required items in their bid. Contact Engineer or Owner if there are any item of concern relating to this issue.
7. See Demolition plan sheet for items to be removed. Coordinate with G.C.
8. Electrical Contractor shall remove all items associated with items to be removed: conduits, junction boxes, wire, hangers etc. Existing electrical circuits to be removed shall be removed back to existing electrical panel. Existing circuit breakers to remain. Re-label/index card to read "spare" unless existing circuit is noted to be reuses. If existing circuit are being used for existing items remaining, the existing circuit shall remain. E.C. shall be responsible for field verifying circuits. (Typical)
9. Reuse electrical circuits as required unless existing circuit breakers are being used for items to remain. E.C. is responsible for determining if the circuit breaker may be reused. If a circuit breaker is being used for existing items that remain, a new circuit breaker shall be provided. Contractors are to include those changes as part of their bid and will not be paid extras unless determined to be a significant change to warrant a change order as determined by the Engineer.
10. Verify all existing light switches to remain / be removed prior to demolition. Any existing light switches controlling fixtures to remain shall remain, any light switches controlling lights to be removed shall be removed. (Field verify)
11. Contractor shall be responsible for providing temporary lighting and power during construction.

KEYED ELECTRICAL DEMOLITION NOTES:

1. Remove existing receptacle mounted in ceiling. Re-work / Re-use existing circuit for new layout.
2. Remove existing speaker and related items. (Shown Hatched).
3. Remove existing light fixture shown hatched. Remove circuiting and related items back to existing panel.
4. Remove existing light switch. Re-work circuiting as required.
5. Existing power supply feed from existing panel "EC" located above ceiling. Tie into existing emergency lighting circuit for new egress lighting / exit light fixtures. See new lighting plan. Field verify location.

EXISTING PANELBOARD "C"

120/208 VOLT, 3 PHASE, 4 WIRE, SURFACE MOUNTED, 100 AMP MAIN BREAKER
LOCATION: MECHANICAL ROOM

CIRCUIT NO.	KVA-A	KVA-B	KVA-C	DESCRIPTION	POLE	AMPS	A B C	AMPS	POLE	DESCRIPTION	KVA-A	KVA-B	KVA-C	CIRCUIT NO.
1	0.8			RECEPT.	1	20		20	1	COOLER	1.0			2
3		0.8		LIGHTS	1	20		20	1	RECEPT. ATM		1.0		4
5			0.8	RECEPT.	1	20		20	1	COOLER			1.0	6
7				SPARE	2	30		20	1	COOLER	1.0			8
9								20	2	WH		2.3		10
11			5.0	BASEBOARD HEATER	1	20							2.3	12
13				SPARE	2	30		60	2	SPARE				14
15														16
17				SPARE	2	30		20	1	RECEPT.			1.0	18
19								20	1	RECEPT.	0.4			20
21				SPARE				20	1	SPARE				22
23				SPARE						SPARE				24
	.8	.8	1.8	TOTAL KVA						TOTAL KVA	2.0	3.3	3.2	

11.4 TOTAL PANEL KVA

A= 2.6 KVA
B= 3.9 KVA
C= 4.9 KVA

PANELBOARD "C1"

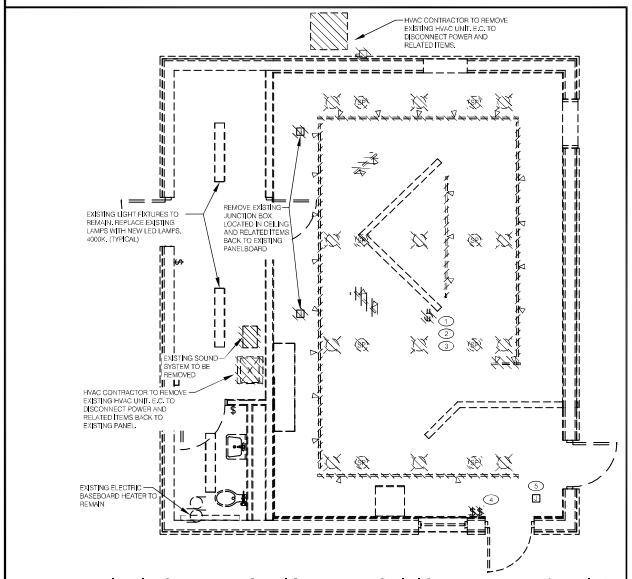
120/208 VOLT, 3 PHASE, 4 WIRE, SURFACE MOUNTED, 200 AMP MAIN BREAKER
LOCATION: MECHANICAL ROOM

CIRCUIT NO.	KVA-A	KVA-B	KVA-C	DESCRIPTION	POLE	AMPS	A B C	AMPS	POLE	DESCRIPTION	KVA-A	KVA-B	KVA-C	CIRCUIT NO.
1	.7			LIGHTS	1	20		30	2	WH-1	2.3			2
3		1.4		RECEPT.	1	20						2.3		4
5			1.2	HAND DRYER	1	20		20	1	HAND DRYER			1.2	6
7	1.2			HAND DRYER	1	20		20	1	HAND DRYER	1.2			8
9		3.7		HP-2	2	40		40	2	HP-1		3.7		10
11			3.7										3.7	12
13	2.6			PANEL "C"	3	100		20	1	EF-1	.2			14
15		3.9						20	1	AHU-1 & AHU-2	1.2			16
17			4.2										1.2	18
19								20	1	FAUCET SENSORS	.6			20
21														22
23														24
25														26
27														28
29														30
	4.5	9.0	10.1	TOTAL KVA						TOTAL KVA	4.5	7.2	6.4	

42.4 TOTAL PANEL KVA

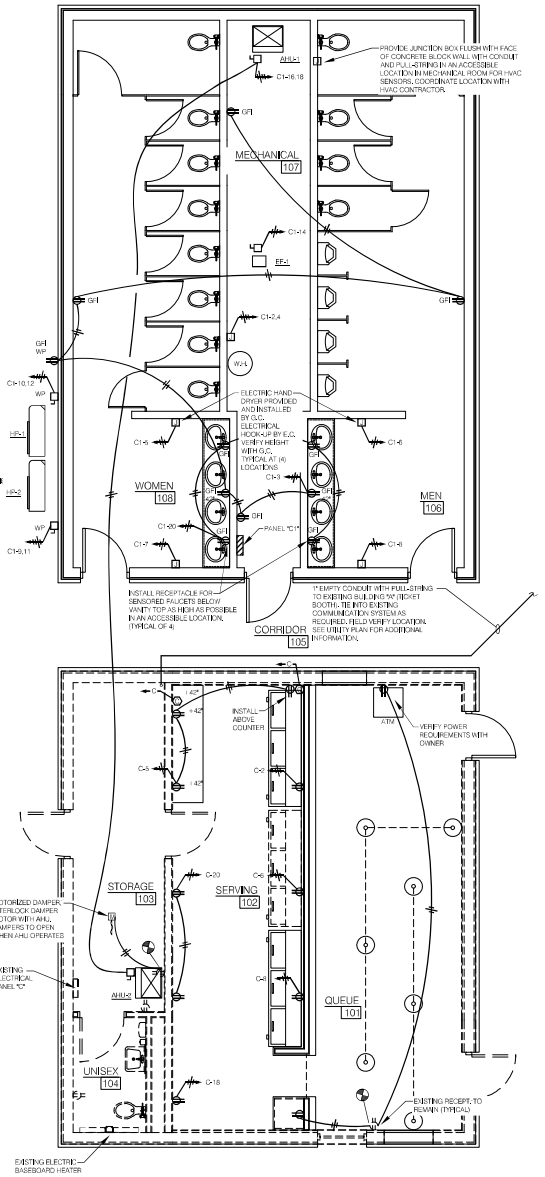
A= 9.7 KVA
B= 16.2 KVA
C= 16.5 KVA

* SWITCH GRADE BREAKER



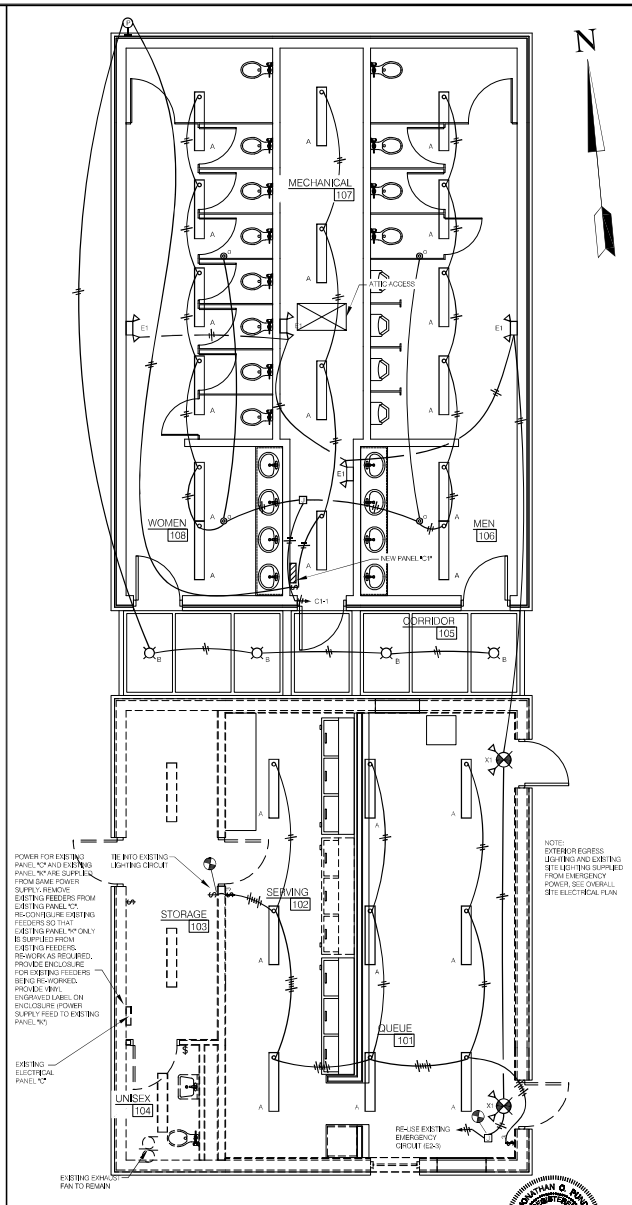
BUILDING "B" ELECTRICAL DEMOLITION PLAN (BASE BID)

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



BUILDING "B" POWER PLAN (BASE BID)

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



BUILDING "B" ELECTRICAL PLAN (BASE BID)

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

JONATHAN C. POND REGISTERED PE11800066 STATE OF INDIANA PROFESSIONAL ENGINEER

DATE: 3-8-24

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NO.	DESCRIPTION	DATE

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LINCOLN AMPHITHEATRE
AMPHITHEATRE IMPROVEMENTS
LINCOLN CITY, INDIANA

DRAWN: LAB
CHECKED: JCP
APPROVED: JCP

BUILDING B ELECTRICAL PLAN

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

DATE: 3-8-24

UDA PROJECT NO.: LA23102

GRI PROJECT NO.: ENG2403730319

SHEET NO.: E1

EXISTING PANEL "B" TO BE REMOVED

EXISTING PANELBOARD "B"

120/208 VOLT, 3 PHASE, 4 WIRE, SURFACE MOUNTED, 100 AMP MAIN BREAKER
LOCATION: MECHANICAL ROOM

CIRCUIT NO.	KVA-A	KVA-B	KVA-C	DESCRIPTION	POLE	AMPS	A	B	C	AMPS	POLE	DESCRIPTION	KVA-A	KVA-B	KVA-C	CIRCUIT NO.
1	.5			LIGHTS	1	20				20	1	MEN AND WOMEN LIGHTS	.5			2
3	.7			WOMEN LIGHTS	1	20				20	1	RECEPT.		.5		4
5		.7		MEN LIGHTS	1	20				30	2	WATER HEATER		2.2		6
7	.5			EXHAUST FAN	1	20							2.2			8
9				SPARE	1	20				20	1	SPARE				10
11			.5	HAND DRYER	1	20				20	1	HAND DRYER			1.5	12
13	1.5			HAND DRYER	1	20				20	1	HAND DRYER	1.5			14
15	1.5													2.2		16
17			1.5	HP	2	30				60	2	AHU			2.2	18
19	1.5												3.2			20
21		1.5		UNIT HEATER	2	20				60	2	AHU		3.2		22
23			.5	MEN / WOMEN FAN	1	20				20	1	ADA HEATER			1.0	24
	4.2	3.9	4.4	TOTAL KVA								TOTAL KVA	7.8	7.8	8.2	

12.4 TOTAL PANEL KVA

A= 12.1 KVA
B= 11.8 KVA
C= 12.7 KVA

NEW PANELBOARD "B"

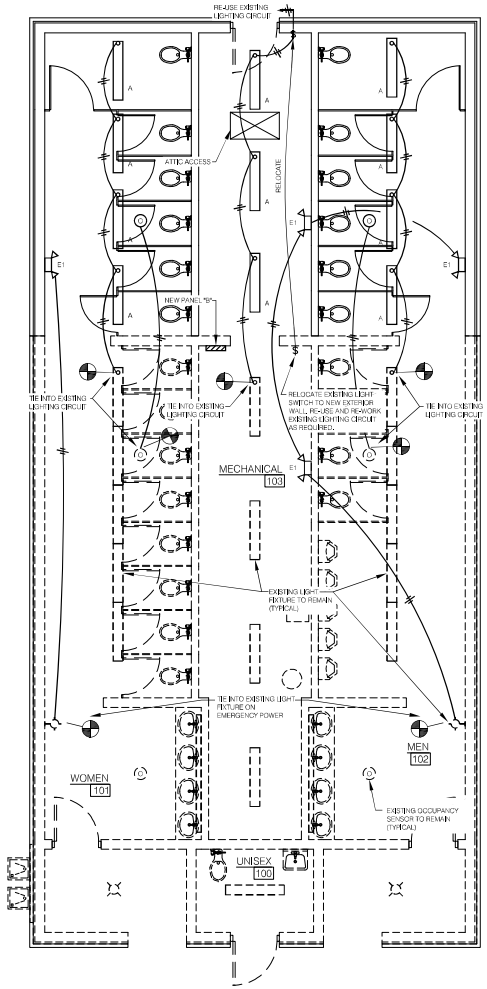
120/208 VOLT, 3 PHASE, 4 WIRE, SURFACE MOUNTED, 200 AMP MAIN BREAKER
LOCATION: MECHANICAL 103

CIRCUIT NO.	KVA-A	KVA-B	KVA-C	DESCRIPTION	POLE	AMPS	A	B	C	AMPS	POLE	DESCRIPTION	KVA-A	KVA-B	KVA-C	CIRCUIT NO.
1	.5			MECHANICAL LIGHTS	1	20				20	1	VESTIBULE LIGHTS	.5			2
3		.5		WOMEN LIGHTS	1	20				20	1	RECEPT.		.5		4
5			.5	MEN LIGHTS	1	20				20	2	WATER HEATER			2.2	6
* 7	.5			EF-2	1	20							2.2			8
9		1.5		HAND DRYER	1	20				20	1	HAND DRYER		1.5		10
11			1.5	HAND DRYER	1	20				20	1	HAND DRYER			1.5	12
13	2.2			HP-3A	2	40				40	2	HP-3B	2.5			14
15		2.5												2.2		16
17			.5	MEN/ WOMEN FAN	1	20				20	1	ADA BASEBOARD HEATER			1.0	18
19	.4			MEWING DECK "B" RECEPT.	1	20				20	2	AHU-3A & AHU-3B	0.9			20
21														0.9		22
23																24
25																26
27																28
29																30
	4.2	4.0	3.2	TOTAL KVA								TOTAL KVA	6.2	5.7	4.8	

11.4 TOTAL PANEL KVA

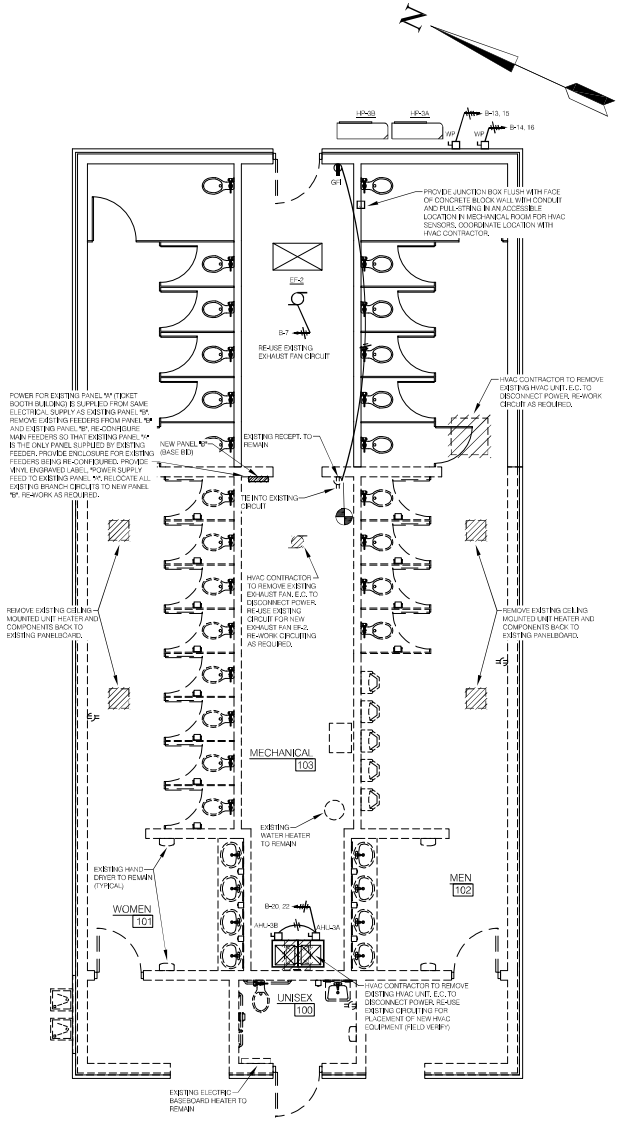
A= 10.5 KVA
B= 10.6 KVA
C= 7.8 KVA

* SWITCH GRADE BREAKER



BUILDING "D" LIGHTING PLAN (ALTERNATE BID 2)

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



BUILDING "D" POWER PLAN (ALTERNATE BID 2)

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

JONATHAN C. PUD
REGISTERED
PE11500566
STATE OF INDIANA
PROFESSIONAL ENGINEER

DATE: 3-8-24

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NO.	REMARKS	DATE
1	ADDENDUM #1	3-8-24
2		
3		
4		
5		

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LINCOLN AMPHITHEATRE

AMPHITHEATRE IMPROVEMENTS

LINCOLN CITY, INDIANA

DRAWN: LAB
CHECKED: JCP
APPROVED: JCP

ALT. BID 2 - BUILDING D ELECTRICAL PLAN

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

DATE: 3-8-24

UDA PROJECT NO.: LA23102

SITE PROJECT NO.: ENG2403730319

DRILL NO.: E2

ELECTRICAL NOTES

1. Unless otherwise specified, all materials and equipment incorporated in the work shall be new. All workmanship shall be first class and shall be performed by persons qualified in their respective trades.
2. All work installed by this contractor shall be in compliance with all governing codes, regulations and the recommended installation details of the product manufacturers, unless otherwise noted.
3. Electricals must be installed concealed, flush.
4. Wire and cable must be copper, and the minimum size shall be #12 awg, and be type thhn/thwn. Provide insulated ground conductor in all conduits and cables. Provide conduit, raceways or emt for all wiring. MC cable may be used if approved by the authority having jurisdiction. All electrical work to be concealed wherever possible. Minimum conduit size shall be 1/2".
5. Wiring devices must be rated 20 amps minimum. Color shall match existing.
6. Plastic wall plates, color shall match existing.
7. Provide proper grounding for all electricals.
8. Coordinate the electrical work with the work of all other trades involved in the project.
9. Secure and pay for all fees, permits, etc. relative to the electrical installation.
10. Verify the exact locations and mounting heights of all outlets, etc., with the owner and engineer before installing.
11. All electricals must have the UL label.
12. Provide proper labeling for all electricals and panelboards.
13. Provide a set of accurate as-built drawings.
14. Provide 1 set of shop drawings or electronic media for all contractor provided equipment.
15. Provide 1 set of operating and maintenance manuals and warranties in a blue ring binder, upon completion of the project.
16. Contractors are to review drawings, visit site to determine extent of work involved and advise engineer of any discrepancy before bidding this project.
17. Drawings are to scale as indicated and represents a diagrammatic outline of work to be performed but does not reflect all interferences which may arise in concealed areas that could not be detected during design of these documents. Contractors are to include these changes as part of their bid and will not be paid extra unless determined to be a significant change to warrant a change order as determined by the engineer.
18. Verify circuit breaker sizes for all equipment with respective contractor.
19. All cables shall be installed in bridal rings, o-rings, etc. Installation of cables loose across trusses, gussets, etc. is NOT ACCEPTABLE. All cables shall be installed at right angles or parallel to structural elements.
20. Any penetrations thru the sound walls (above or below the suspended acoustical ceiling) and sound ceiling shall be sealed light and caulked. see floor plan for sound wall locations and framing plan for sound ceiling locations.
21. All cable for telephone and computer shall be provided and installed by others.
22. All cable exposed to view shall be routed thru conduit.
23. Universal Design Associates, Inc., being the author of these construction documents reserves the right of final interpretation as to their intent and meaning. Any additional work or costs resulting from the contractors own interpretation as to the intent or meaning, without consultation with Universal Design Associates, Inc. shall be the responsibility of the contractor at no cost to owner or city.
24. The intent of the work indicated on these construction documents is to provide a fully functioning system in complete working order. It shall be the responsibility of the contractor and the contractors suppliers to include all accessories, components, parts, etc. that may not be indicated on these construction documents to provide systems and equipment that operate satisfactorily as designed and intended.

LIGHT FIXTURE SCHEDULE:

A - Equal to Lithonia Lighting #CLX-L48-90-SEF-RD-WMOLT-40K- 4'-0" surface mount, LED Strip light fixture, 5,000 lumens, 4000K, 31.8 watts, white, round diffused lens, damp location rated, 120 volt.

B- Equal to Lithonia #LDN6-40/30-L08-WH-MVOLT-EZ1 - LED 6" recessed can light, 2,000 lumens, 4000K, 22.5 watts, (Verify Color with Owner), 120 volt, wet location rated.

E1 - Equal to Lithonia #ELM2L, 2 lamp emergency light with 90 minute nicad back-up battery, white in color.

X1 - Equal to Lithonia model #LHQM-LED-R-HO: combination wall mount exit light and emergency light with white housing, red letters, single face, twin LED lamp heads, 90 minute ni-cad battery back-up, 2.5 watts, 120 volt.

Site Light Fixtures:

String Lighting
C, C1, C2 - Equal to Nuvo Lighting model #S8039: LED String lighting, Heavy duty 18 ga. black wire with suspended socket lamp bases, connectable ends, 10 lamp sockets, 24-0" length, provide LED medium base (E26) with clear glass lamp, 1 watt, 100 lumens, 4000K, 120 volts, wet location rated, Securely fasten string lighting to cable support per manufacturer's recommendations, see structural plans for additional information. (Provided and installed by G.C.) Field verify lengths and quantity required. (10 Maximum connected together) (Different fixture identification designate how string lights are to be ganged together)

Bleacher Lights
D - Equal to Lithonia Lighting model #RSX1LED-P1-40K-WFD-MVOLT-WMB-DMG-DBL-XD: LED wall mounted light fixture, with adjustable tilt arm wall bracket, dimmable, 7,318 lumens, 4000K, 51 watts, type P1, Area Wide Forward distribution, black finish, 120-277 volt (Field Verify existing voltage), wet location rated, dark sky compliant. Provide with Upper Visor shield #HSXF1UBVIZ Field adjust fixture to provide complete lighting coverage at bleacher area. Contractor to mount light fixture 1'-0" below top of roof (field verify).

Viewing Deck
F - Equal to Lithonia Lighting model #LDN6CY-/40-/30-L06-SRA-MVOLT-EZ1-WH-M1-DDB: LED, 6" cylinder light fixture with pendant and swivel, dimmable, 3000 lumens, 4000K, 34.2 watts, 120 volt, wet location rated, black finish.

Bollard Light
G - Hubbell Lighting, model #PA75-FT-CH-5-2L-320-4K7-4W-BLT-JUV: Bollard light fixture, flat top, clear horizontal lens, type 5 distribution, 2000 lumens, 4000K, 22 watts, aluminum housing, textured black finish. (Verify Voltage). Fixture shall match existing bollard light fixtures. (No Substitutions). Provide concrete base, see typical bollard base detail on sheet "E4".

Tower Building Light
H - Equal to Lithonia Lighting model #LDN4CY-/40-/10-L04-SRA-MVOLT-EZ1-WH-M1-DDB: LED, 4" wall mount cylinder light fixture, dimmable, 1000 lumens, 4000K, 10.6 watts, 120 volt, wet location rated, dark bronze finish.

Electrical Equipment:

PANEL "EP" & "C1":
Equal to Square D #NQ430L2C, 120/208 volt, 3 phase, 4 wire, provide with 200 amp main breaker, with ground bar, neutral bar and surface mount. Install circuit breakers as listed and required. Circuit breakers shall be series rated with an interrupting rating of 22,000 AIC. Provide all panel covers with lock kits.

Ceiling Occupancy Sensor
Occupancy sensor equal to Sensor Switch #CM 10, low voltage, dual technology, auto-on and off., Provide power packs as required. Install per manufacturers recommendations. Or occupancy sensor equal to Sensor Switch model #CWP PDT 10, line voltage, dual technology, auto-on and off, Install per manufacturers recommendations. (Shall be compatible with existing occupancy sensor and light fixtures)

Photocell
Equal to Intermatic #K4141C, 25 amp rated, 120 volt, provide swivel arm and support

Disconnects
HP-1, HP-2, HP-3A & HP-3B: Equal to Square D #D222NRB
AHU-1, AHU-2, AHU-3A & AHU-3B: Factory Installed disconnect

ELECTRICAL LEGEND

$	SINGLE POLE SWITCH
$D	DIMMABLE SINGLE POLE SWITCH
	120 VOLT GROUNDED DUPLEX WALL RECEPTACLE
GFI	120 VOLT GROUNDED DUPLEX WEATHERPROOF WALL RECEPTACLE GFI
WP	120 VOLT GROUNDED DUPLEX GFI WALL RECEPTACLE
	LED LIGHT FIXTURE
	EMERGENCY LIGHT FIXTURE
C	COMBINATION TELEPHONE AND COMPUTER OUTLET IN ONE 4 X 4 JUNCTION BOX
	JUNCTION BOX - FLUSH MOUNT IN WALL
	FUSIBLE DISCONNECT SWITCH
	ELECTRICAL PANEL OR PANEL BOARD
	EXHAUST FAN
	RUN TO ELECTRICAL PANEL. SLASH MARKS INDICATE NUMBER OF CONDUCTORS
PC	PHOTOCELL
C	RUN TO NETWORK SERVER, 3/4" CONDUIT TO 6" ABOVE CEILING AT AN ACCESSIBLE LOCATION

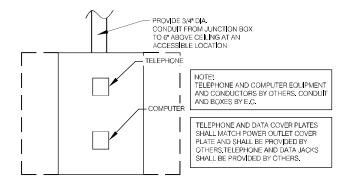
NOTE:
ALL NEW ITEMS ARE SHOWN IN BOLD LINE WEIGHT.
ALL EXISTING ITEMS ARE SHOWN IN LIGHT LINE WEIGHT.

— POINT OF CONNECTION (NEW TO EXISTING)

MOUNTING HEIGHTS FOR ELECTRICAL ITEMS

The mounting heights listed are standards for the items listed below, unless noted otherwise on plans. If mounting items at these heights causes interference with other items, or is a specialty item or an item is not listed, contact the engineer for a clarification.

* Receptacles and Combination Computer/Telephone Outlet at Walls: Bottom of receptacle 18" A.F.F. (to meet A.D.A. requirements) unless noted otherwise.
* Outside receptacles: 16" above finished grade to bottom of box unless noted otherwise.
* Light Switches: Top of box 48" A.F.F., to meet A.D.A. requirements.
* Telephone, Wall Mounted: Centerline 48" A.F.F.
* Emergency Lights: Bottom of fixture 114" below ceiling line (must meet A.D.A. requirements: bottom of fixture not less than 6'-8" A.F.F. and not greater than 8'-0" A.F.F.)
* Wall Mounted Exit Lights: Bottom of fixture at 1" above door frame/casing.
* Electric Panels: Top of panel 6'-6" A.F.F.
* Thermostats and sensor: Centerline 48" A.F.F.



COMBINATION COMPUTER/ TELEPHONE OUTLET

NOT TO SCALE

CONDUIT AND WIRE SIZE SCHEDULE:
Unless otherwise noted

15 Amp Circuits - 1/2" conduit, #12 wire
20 Amp Circuits - 3/4" conduit, #12 wire
25 Amp Circuits - 3/4" conduit, #10 wire
30 Amp Circuits - 3/4" conduit, #10 wire
35 Amp Circuits - 3/4" conduit, #8 wire
40 Amp Circuits - 3/4" conduit, #8 wire
45 Amp Circuits - 3/4" conduit, #8 wire
50 Amp Circuits - 1" conduit, #6 wire
60 Amp Circuits - 1" conduit, #6 wire
70 Amp Circuits - 1-1/4" conduit, #4 wire
80 Amp Circuits - 1-1/4" conduit, #3 wire
90 Amp Circuits - 1-1/4" conduit, #2 wire
100 Amp Circuits - 1-1/2" conduit, #2 wire
110 Amp Circuits - 1-1/2" conduit, #1 wire
125 Amp Circuits - 1-1/2" conduit, #1/0 wire
150 Amp Circuits - 2" conduit, #2/0 wire
175 Amp Circuits - 2" conduit, #3/0 wire
200 Amp Circuits - 2" conduit, #3/0 wire

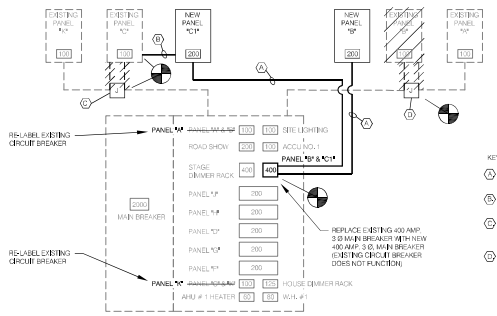
All circuits in excess of 75'-0" from the panel shall have the conduit and wire increased one size. E.C. shall be responsible for determining voltage drop and sizing conduit and conductors accordingly to meet NEC requirements

ALUMINUM CONDUCTOR SCHEDULE	
FEEDER CONDUCTOR	
COPPER SIZE	ALUMINUM SIZE
#3 AWG	#1 AWG
#2 AWG	#1/0 AWG
#1 AWG	#2/0 AWG
#1/0 AWG	#3/0 AWG
#2/0 AWG	#4/0 AWG
#3/0 AWG	#250 kcmil
#4/0 AWG	#300 kcmil
#250 kcmil	#400 kcmil
#300 kcmil	#500 kcmil or 2x#3/0 AWG
#350 kcmil	#500 kcmil or 2x#3/0 AWG
#400 kcmil	#600 kcmil or 2x#4/0 AWG
#500 kcmil	#750 kcmil or 2x#250 kcmil

Conductor size equivalents based on THHN, THWN or XHHW conductor type with 75°C temperature rating, in accordance with N.E.C. standards.

NOTE:
ALL CONDUCTOR SIZES ARE BASED ON THE USE OF COPPER CONDUCTORS, THE ELECTRICAL CONTRACTOR SHALL HAVE THE OPTION OF USING ALUMINUM CONDUCTORS ON MAIN SERVICE CONDUCTORS. ALL OTHER CONDUCTORS SHALL BE COPPER. IF ALUMINUM CONDUCTORS ARE USED, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR RESIZING THE ALUMINUM CONDUCTORS AND RELATED CONDUIT TO COMPLY WITH N.E.C.

NOTE:
SEE UTILITY PLAN FOR PROPOSED NEW ELECTRICAL ROUTING, (FIELD VERIFY)



KEYED NOTES:

(A) 1 - 2" CONDUIT WITH 4 - #3/0 CU CONDUCTORS AND 1 - #6 CU GROUND

(B) 1 - 1 1/4" CONDUIT WITH 4 - #3 CU CONDUCTORS AND 1 - #6 CU GROUND

(C) RE-WORK EXISTING FEEDERS SO THAT EXISTING PANEL "A" ONLY IS SUPPLIED BY EXISTING FEEDERS. RE-WORK AS REQUIRED

(D) RE-WORK EXISTING FEEDERS SO THAT EXISTING PANEL "A" ONLY IS SUPPLIED BY EXISTING FEEDERS. RE-WORK AS REQUIRED

EXISTING ELECTRICAL SERVICE: 120/208 VOLTS, 3 PHASE, 4 WIRE, 2000 AMPS

NOT TO SCALE

JONATHAN C. PAUL REGISTERED PE11500546 STATE OF INDIANA PROFESSIONAL ENGINEER

DATE: 3-8-24

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NO.	REMARKS	DATE

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LINCOLN AMPHITHEATRE

AMPHITHEATRE IMPROVEMENTS

LINCOLN CITY, INDIANA

DRAWN	CHECKED	APPROVED
LAB	JCP	JCP

ELECTRICAL DETAILS

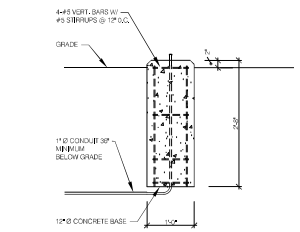
SCALE: 1/4"=1'-0"

DATE: 3-8-24

LDA PROJECT NO.: LA23102

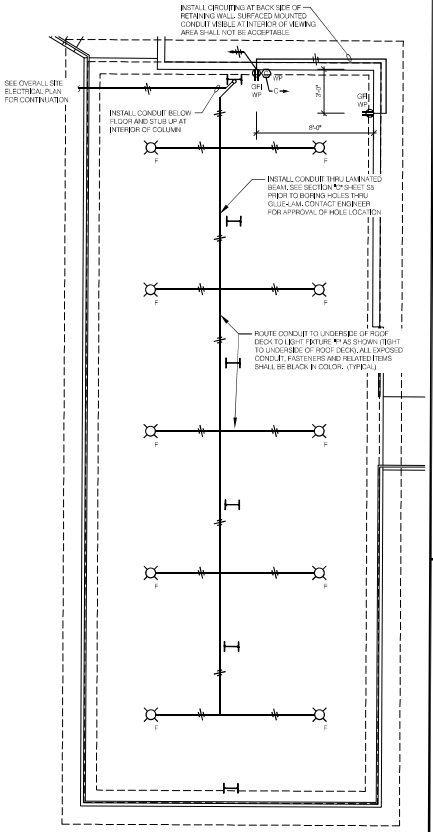
DES PROJECT NO.: ENG2403730319

DRWG NO.: E3



TYPICAL BASE DETAIL FOR ILLUMINATED BALLARD

Scale: 1 3/4" = 1'-0"

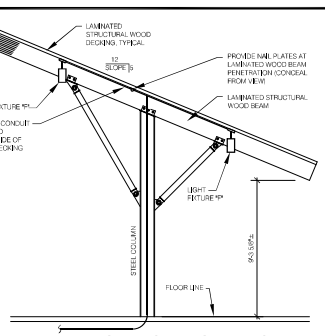


VIEWING DECK "A" & "B" ELECTRICAL PLAN (BASE BID)

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

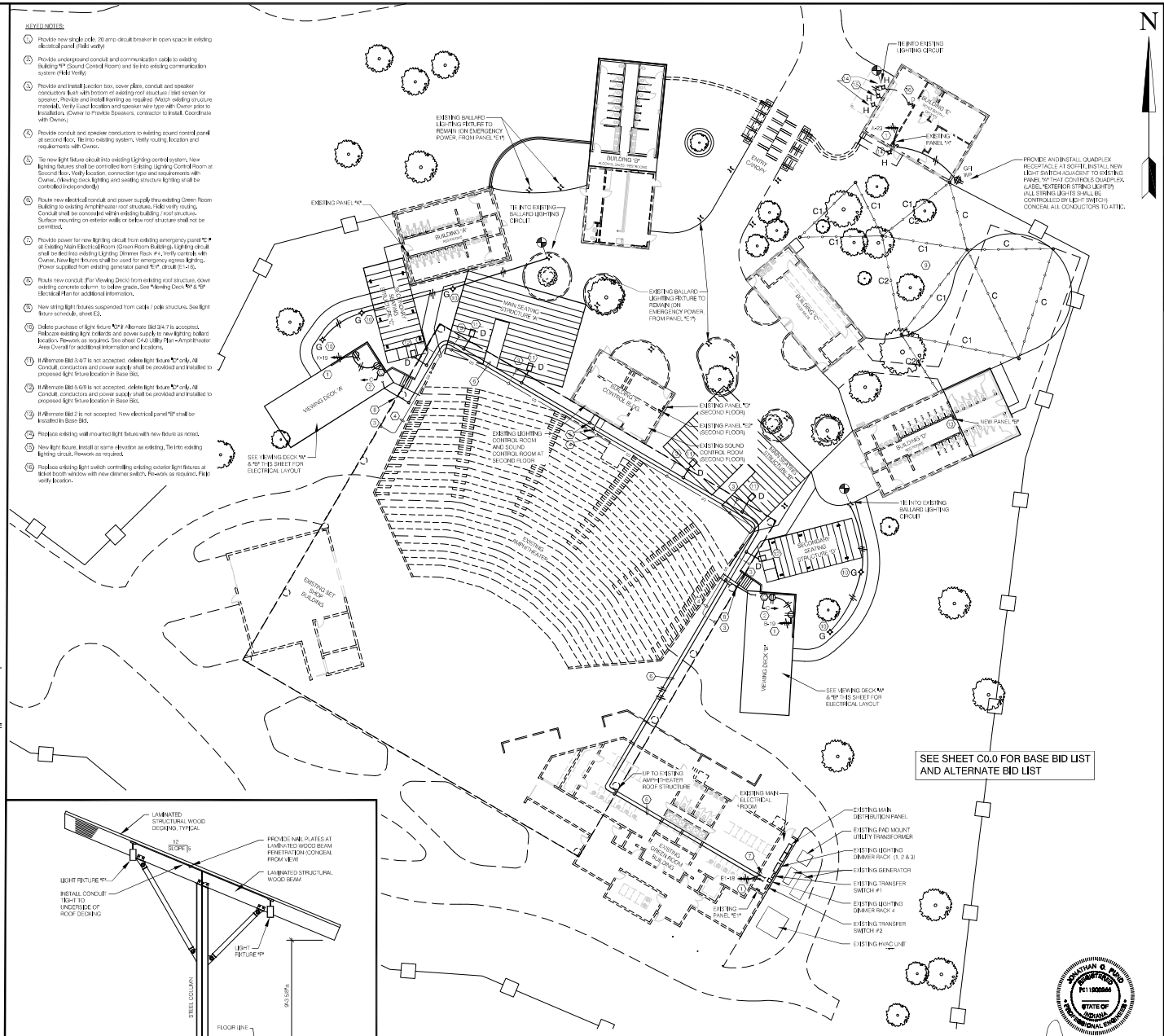
KEYED NOTES:

1. Provide new single pole, 20 amp circuit breaker in open space in existing electrical panel (Field verify)
2. Provide underground conduit and communication cable to existing Building "F" (Sound Control Room) and tie into existing communication system (Field Verify)
3. Provide and install junction box, cover plate, conduit and speaker conductors flush with bottom of existing roof structure / steel screen for speaker. Provide and install framing as required (Match existing structure material). Verify Exact location and speaker wire type with Owner prior to installation. (Owner to Provide Speakers, contractor to Install. Coordinate with Owner.)
4. Provide conduit and speaker conductors to existing sound control panel at second floor. Tie into existing system. Verify routing, location and requirements with Owner.
5. Tie new light fixture circuit into existing lighting control system. New lighting fixtures shall be controlled from Existing Lighting Control Room at Second floor. Verify location, connection type and requirements with Owner. (Viewing deck lighting and seating structure lighting shall be controlled independently)
6. Route new electrical conduit and power supply thru existing Green Room Building to existing Amphitheater roof structure. Field verify routing. Conduit shall be concealed within existing building / roof structure. Surface mounting on exterior walls or below roof structure shall not be permitted.
7. Provide power for new lighting circuit from existing emergency panel "E" at Existing Main Electrical Room (Green Room Building). Lighting circuit shall be tied into existing Lighting Dimmer Rack #4. Verify controls with Owner. New light fixtures shall be used for emergency egress lighting. (Power supplied from existing generator panel "EP", circuit E1-18).
8. Route new conduit (For Viewing Deck) from existing roof structure, down existing concrete column to below grade. See "Viewing Deck "A" & "B" Electrical Plan for additional information.
9. New string light fixtures suspended from cable / pole structure. See light fixture schedule, sheet E3.
10. Delete purchase of light fixture "D" if Alternate Bid 3/4.7 is accepted. Relocate existing light pockets and power supply to new lighting ballard location. Re-work as required. See sheet C4.0 Utility Plan - Amphitheater Area Overall for additional information and locations.
11. If Alternate Bid 3-4.7 is not accepted, delete light fixture "D" only. All Conduit, conductors and power supply shall be provided and installed to proposed light fixture location in Base Bid.
12. If Alternate Bid 5-6/8 is not accepted, delete light fixture "D" only. All Conduit, conductors and power supply shall be provided and installed to proposed light fixture location in Base Bid.
13. If Alternate Bid 2 is not accepted. New electrical panel "S" shall be installed in Base Bid.
14. Replace existing wall mounted light fixture with new fixture as noted.
15. New light fixture. Install at same elevation as existing. Tie into existing lighting circuit. Re-work as required.
16. Replace existing light switch controlling existing exterior light fixtures at ticket booth window with new dimmer switch. Re-work as required. Field verify location.



VIEWING DECK LIGHTING DETAIL

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



OVERALL SITE ELECTRICAL PLAN (BASE BID)

SCALE: 1" = 20'-0"

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NO.	REMARKS	DATE
1	ADDENDUM #1	3-8-24
2	ADDENDUM #2	3-15-24

LINCOLN AMPHITHEATRE

AMPHITHEATRE IMPROVEMENTS

LINCOLN CITY, INDIANA

DRAWN: AJJ
CHECKED: JCP
APPROVED: JCP

OVERALL SITE ELECTRICAL PLAN

SCALE: 1" = 20'-0"

DATE: 3-8-24

UDA PROJECT NO.: LA23102

SIR PROJECT NO.: ENG2403730319

DRILL NO.: E4