Lee's Summit R7 District Athletics Facilities

Lee's Summit West High School 2600 SW Ward Road Lee's Summit, MO 64082 **VOLUME 3 Cover Sheet**

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September 28, 2020

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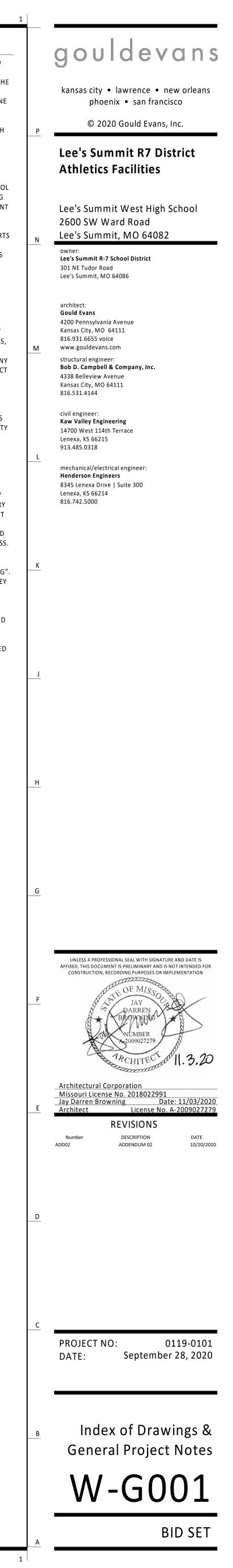
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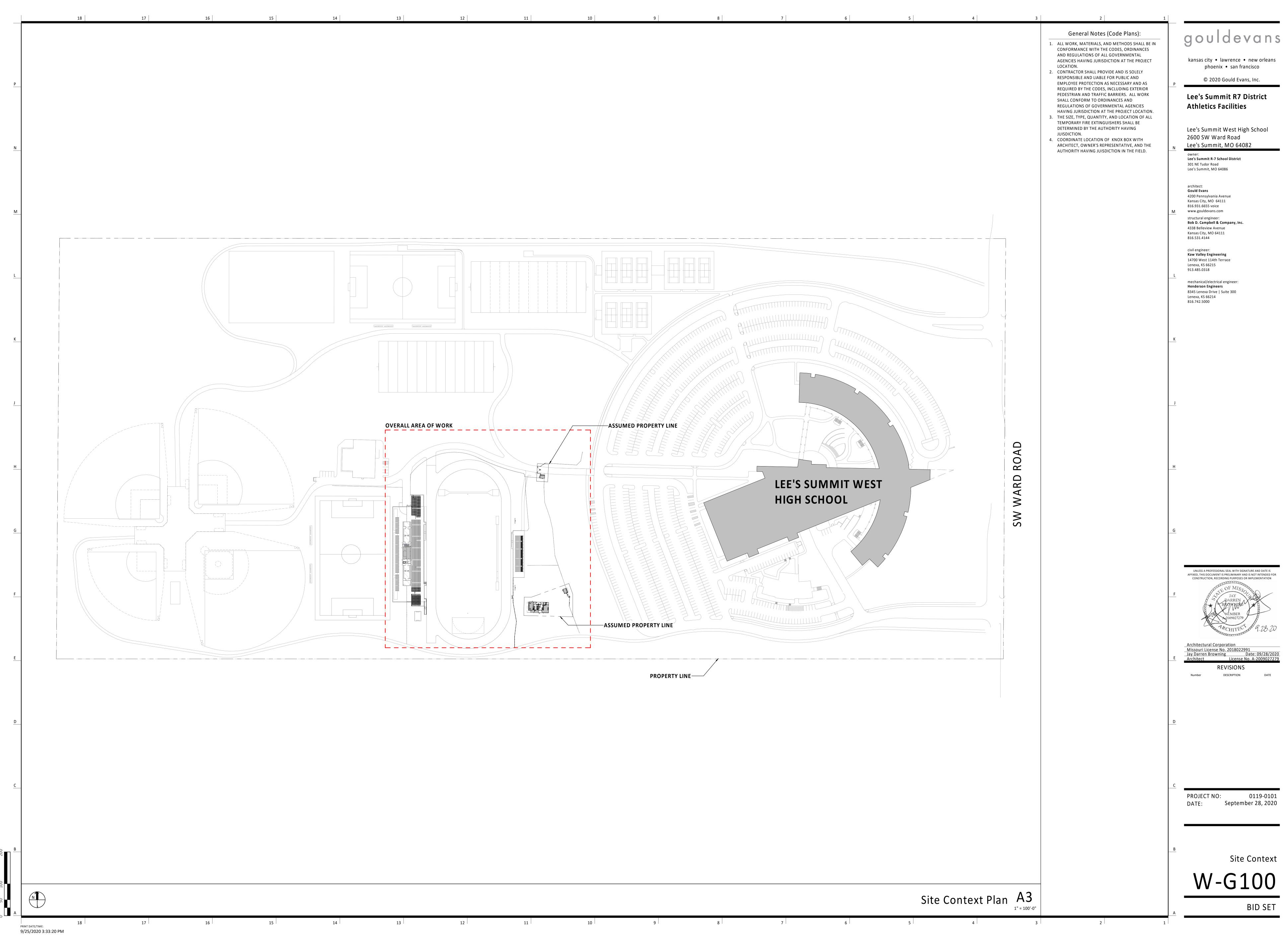
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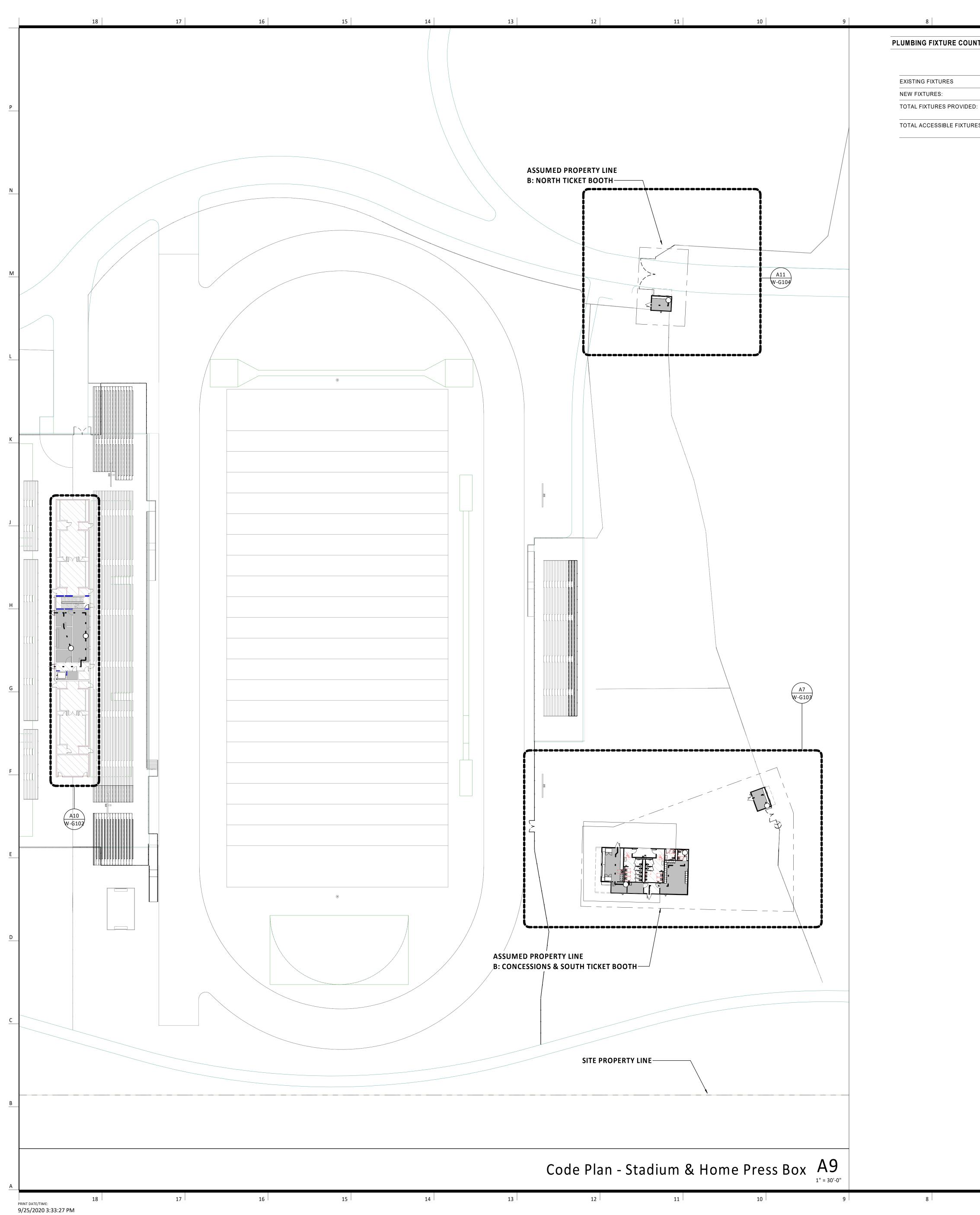
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| 2000 PLUMBING GENERAL NOTES AND LEGEND 2111 HOME PRESS BOX - PLUMBING PLANS | 07.0 - Mechanical | W-P121VISITOR RESTROOMS & CONCESSIONS - PLUMBING PLANW-P500PLUMBING DETAILS |
| P121HOME GATEWAY - PLUMBING PLANP500PLUMBING DETAILS | N-M000MECHANICAL LEGEND AND NOTESN-M111PRESS BOX - HVAC PLANS | W-P600PLUMBING SCHEDULESW-P700PLUMBING RISERS |
| P600 PLUMBING SCHEDULES P700 PLUMBING RISERS | N-M121 TICKET BOOTH - HVAC PLANS N-M141 VISITOR RESTROOMS - HVAC PLANS | 07.0 - Mechanical |
| 0 - Mechanical /1000 MECHANICAL GENERAL NOTES AND LEGEND | N-M500MECHANICAL DETAILSN-M600MECHANICAL SCHEDULES & CONTROLS | W-M000 MECHANICAL LEGEND AND NOTES W-M111 HOME PRESS BOX - HVAC PLAN W-M121 VISITOR RESTROOMS & CONCESSIONS - HVAC PLANS |
| MILCHARICAL GENERAL NOTES AND LEGEND M111 HOME PRESS BOX - HVAC PLANS M121 HOME GATEWAY - HVAC PLANS | 08.0 - Electrical N-E000 ELECTRICAL LEGEND AND NOTES | W-M121 VISHOK RESTROOMS & CONCESSIONS FIVAC PLANS W-M131 TICKET BOOTH - HVAC PLANS W-M500 MECHANICAL DETAILS |
| M131VISITOR TICKET BOOTH - HVAC PLANSM500MECHANICAL DETAILS | N-E001ELECTRICAL SITE PLANN-E111PRESS BOX - LIGHTING RCPS | W-M600 MECHANICAL SCHEDULES & CONTROLS |
| M600 MECHANICAL SCHEDULES & CONTROLS | N-E112 PRESS BOX - POWER PLANS N-E121 TICKET BOOTH - ELECTRICAL PLANS | 08.0 - Electrical W-E000 ELECTRICAL LEGEND AND NOTES |
| 0 - Electrical E000 ELECTRICAL GENERAL NOTES AND LEGEND E001 ELECTRICAL SITE PLAN - DEMO | N-E141 VISITOR RESTROOMS AND CONCESSIONS - ELECTRICAL PLANS N-E500 ELECTRICAL DETAILS N-E600 ELECTRICAL SCHEDULES | W-E001 ELECTRICAL SITE PLAN W-E111 HOME PRESS BOX - LIGHTING RCPS W-E112 HOME PRESS BOX - POWER PLANS |
| ELECTRICAL SITE PLAN - DEMO E002 ELECTRICAL SITE PLAN - NEW E111 HOME PRESS BOX - LIGHTING RCPS | N-E600 ELECTRICAL SCHEDULES N-E601 ELECTRICAL SCHEDULES N-E700 LIGHTING SCHEDULES | W-E112HOME PRESS BOX - POWER PLANSW-E121VISITOR RESTROOMS & CONCESSIONS - ELECTRICAL PLANSW-E131TICKET BOOTH - ELECTRICAL PLANS |
| HOME PRESS BOX - LIGHTING RCPS 112 HOME PRESS BOX - POWER PLANS 113 HOME PRESS BOX - EQUIPMENT CONNECTION PLANS | N-E800 ELECTRICAL ONE-LINE DIAGRAM | W-EISI HICKET BOOTH - ELECTRICAL PLANS W-E500 ELECTRICAL DETAILS W-E600 ELECTRICAL SCHEDULES |
| E121 HOME GATEWAY - LIGHTING RCP E122 HOME GATEWAY - ELECTRICAL PLANS | 10.0 - Technology N-TN000 TECHNOLOGY LEGEND AND NOTES | W-E700LIGHTING SCHEDULESW-E800ELECTRICAL ONE-LINE DIAGRAM |
| 131VISITOR TICKET BOOTH - ELECTRICAL PLANS1500ELECTRICAL DETAILS | N-TN111PRESS BOX - TECHNOLOGY PLANSN-TN121TICKET BOOTH - TECHNOLOGY PLANS | 10.0 - Technology |
| E600 ELECTRICAL SCHEDULES E601 ELECTRICAL SCHEDULES | N-TN141VISITOR RESTROOMS - TECHNOLOGY PLANN-TN500TECHNOLOGY DETAILS | W-TN000 TECHNOLOGY LEGEND AND NOTES W-TN111 HOME PRESS BOX - TECHNOLOGY PLANS W/TN121 VISITOR RESTROOMS & CONSESSIONS - TECHNOLOGY PLANS |
| E700LIGHTING SCHEDULESE800ELECTRICAL ONE-LINE DIAGRAME801ELECTRICAL ONE-LINE DIAGRAM | 99.0 Not Used NF-01 Food Establishment Plan | W-TN121VISITOR RESTROOMS & CONCESSIONS - TECHNOLOGY PLANW-TN131TICKET BOOTH - TECHNOLOGY PLANSW-TN500TECHNOLOGY DETAILS |
| 0 - Technology | | x_Unused |
| Image: Technology general notes and legend Image: The technology blans Image: Technology home gateway - plan | | WF-01 Food Establishment Plan |
| IN121 TECHNOLOGY HOME GATEWAY - PLAN IN131 TECHNOLOGY VISITOR TICKET BOOTH - PLAN IN500 TECHNOLOGY DETAILS | | |
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| | 10 ^{WC} 9 ^{URINALS} | 10 | 29 | 11 | 3 | 3 | 4 | |
| S: | 3 WC 4 URINALS | 3 | 3 | 3 | 3 | 3 | 2 | |

3 Description

RENOVATION TO EXISTING OUTDOOR STADIUM FACILITIES WHICH WILL INCLUDE EXPANSION OF EXISTING PRESS BOX; CONSTRUCTION OF NEW RESTROOMS, CONCESSIONS, AND TICKET BOOTHS; AND CONSTRUCTION OF NEW BLEACHER SEATING.

Applicable Codes

- 2018 International Building Code 2018 International Existing Building Code 2018 International Fire Code
- 2017 National Electric Code 2018 International Mechanical Code
- 2018 International Plumbing Code 2018 International Enery Conservation Code

2009 Accessible and Usable Buildings and Facilities

Building complies with all applicable codes.

Occupancy Classifications

THE PROJECT SITE CONTAINS (3) ASSUMED PROPERTIES; EACH WITH A SINGLE USE OCCUPANCY IN EXISTING AND RENOVATED AREAS: A-5: OUTDOOR STADIUM & PRESS BOX (SECTION 303) B: CONCESSIONS & SOUTH TICKET BOOTH (SECTION 304) B: NORTH TICKET BOOTH (SECTION 304)

Type of Construction TYPE II-B (SECTION 602) Allowable Height NON SPRINKLED SPRINKLED HEIGHT | STORIES HEIGHT | STORIES A-5: 55' UL B: 55' 3 75' UL 75' 4 (TABLE 504.3) (TABLE 504.4)

Building Height PRESS BOX + ADDITION: 3 STORIES - APX 47' CONCESSIONS/LOCKER ROOM: 1 STORY - APX 15'

NORTH TICKET BOOTH: 1 STORY - APX 13' SOUTH TICKET BOOTH: 1 STORY - APX 13'

| | Allowable Area | | | | | | |
|------------|-----------------|-----------------|-----------------|--|--|--|--|
| NON | SPRINKLED (NS) | SPRINKLED (S1) | SPRINKLED (SM) | | | | |
| A-5: B: | UL 23,000 SF | UL 92,000 SF | UL 69,000 SF | | | | |

Building Area

(TABLE 506.2)

PRESS BOX: EXISTING BUILDING AREA: 6,000 SF NEW CONSTRUCTION BUILDING AREA: 1,500 SF TOTAL BUILDING AREA: 7,500 SF

CONCESSIONS/LOCKER BUILDING AREA: 1,785 SF NORTH TICKET BOOTH BUILDING AREA: 140 SF SOUTH TICKET BOOTH BUILDING AREA: 140 SF

Passive Fire Requirements

| EXTERIOR BEARING WALLS: 0 HR | (TABLE 601) |
|------------------------------------|--------------------|
| INTERIOR BEARING WALLS: 0 HR | (17.222.001) |
| | (TABLE 601) |
| EXTERIOR NON-BEARING WALLS: 0 HR | |
| (>30' FROM C.L. OF PROPERT | Y LINE, TABLE 602) |
| OPENING PROTECTION AT EXT. WALL: 0 | HR |
| (>30' FROM C.L. OF PROPERTY | LINE, TABLE 705.8) |
| STRUCTURAL FRAME: 0 HR | |
| | (TABLE 601) |
| ROOF SUPPORTS: 0 HR | |
| | (TABLE 601) |
| NON-BEARING WALLS & INTERIOR PARTI | TIONS: 0 HR |
| | (TABLE 601) |
| CORRIDORS: 0 HR | |
| | (TABLE 1020.1) |
| FLOOR CONSTRUCTION: 0 HR | |
| | (TABLE 601) |
| | |

Active Fire Resistance Requirements

AUTOMATIC SPRINKLER SYSTEM: (SECTION 903) NOT REQUIRED STANDPIPES: NOT REQUIRED (SECTION 905) FIRE ALARM SYSTEM: NOT REQ'D. DUE TO OCCUPANT

(SECTION 907.2.1) LOAD SMOKE DETECTION: NOT REQUIRED

EXIT SIGNS: REQUIRED

NOT REQUIRED IN ROOMS THAT REQUIRE (SECTION 1013) ONLY ONE EXIT.

EMERGENCY LIGHTING: MINIMUM OF 1 FOOTCANDLE AT THE WALKING SURFACE (SECTION 1008.2.1)

PORTABLE FIRE EXTINGUISHERS: REQUIRED (SECTION 906.1)

Means of Egress

COMMON PATH OF EGRESS TRAVEL:

COMMON PATH OF EGRESS TRAVEL SHOULD NOT EXCEED 75 FEET FOR USE GROUP A IN NON-SPRINKLED BUILDINGS (IBC TABLE 1006.2.1). THE MAXIMUM OCCUPANT LOAD OF SPACE IS 49. TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED WHERE THE DESIGN OCCUPANT LOAD OR COMMON PATH OF EGRESS TRAVEL DISTANCE EXCEEDS THE VALUES LISTED IN TABLE 1006.2.1 (IBC SECTION 1006.2.1) DEAD END CORRIDORS:

DEAD END CORRIDORS SHOULD NOT EXCEED 20 FEET IN LENGTH FOR USE GROUP A (IBC SECTION 1020.4). DEAD END CORRIDORS IN AN EXISTING CONDITION SHOULD NOT EXCEED 35' (IEBC SECTION 805.6)

TRAVEL DISTANCE:

THE MAXIMUM TRAVEL DISTANCE TO AN EXIT SHOULD NOT EXCEED 200 FEET FOR USE GROUP A OCCUPANCIES (IBC TABLE 1017.2) DOOR SWING:

DOOR SWING IS REQUIRED TO SWING IN THE DIRECTION OF TRAVEL WHEN THE OCCUPANT LOAD IS MORE THAN 50 (IBC SECTION 1010.1.2.1)

AGENCIES HAVING JURISDICTION AT THE PROJECT LOCATION. CONTRACTOR SHALL PROVIDE AND IS SOLELY RESPONSIBLE AND LIABLE FOR PUBLIC AND EMPLOYEE PROTECTION AS NECESSARY AND AS REQUIRED BY THE CODES, INCLUDING EXTERIOR PEDESTRIAN AND TRAFFIC BARRIERS. ALL WORK SHALL CONFORM TO ORDINANCES AND REGULATIONS OF GOVERNMENTAL AGENCIES HAVING JURISDICTION AT THE PROJECT LOCATION. 3. THE SIZE, TYPE, QUANTITY, AND LOCATION OF ALL TEMPORARY FIRE EXTINGUISHERS SHALL BE DETERMINED BY THE AUTHORITY HAVING JUISDICTION. 4. COORDINATE LOCATION OF KNOX BOX WITH ARCHITECT, OWNER'S REPRESENTATIVE, AND THE AUTHORITY HAVING JUISDICTION IN THE FIELD. Code Plan Legend: Egress Path of Travel Common Path of Travel, RE Schedule ——— - Length *∗ ∗* Travel Distance to Exit, RE Schedule – Length EXIT Egress Point Required # of Occupants Stair Egress Exit Stair Required # of Occupants-Occupancy Tag Room name Occupancy Group B: 200 SF = 2P Area — Occupant Load — Fire Extinguisher Radius 75' Typ 1-Hour: Fire Rated Assembly 2-Hour: Fire Rated Assembly 3-Hour: Fire Rated Assembly 4-Hour: Fire Rated Assembly - - - - - - - - -Smoke Barrier _____ Smoke Partition

General Notes (Code Plans):

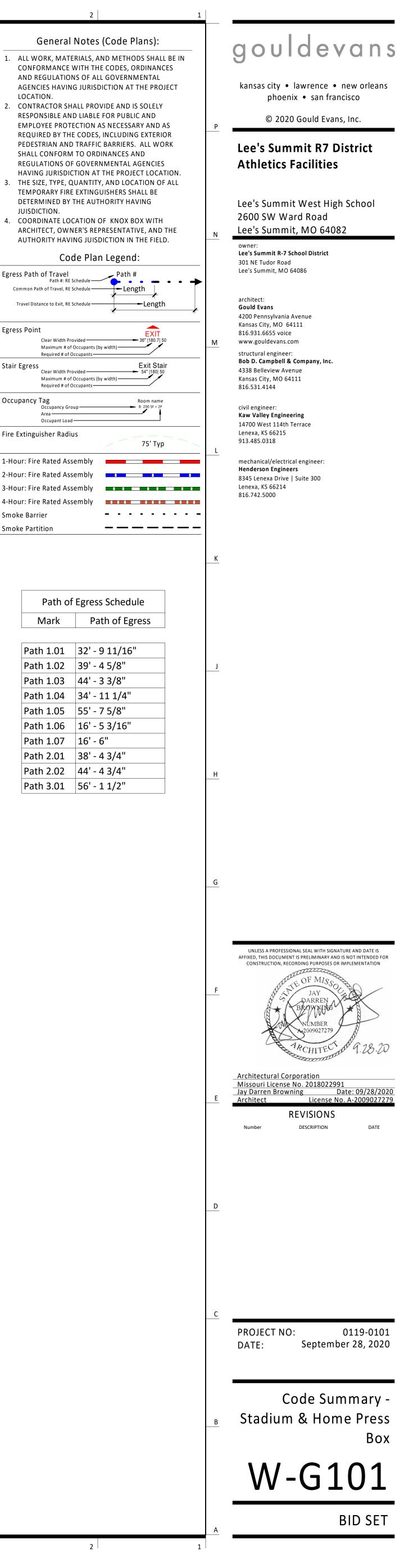
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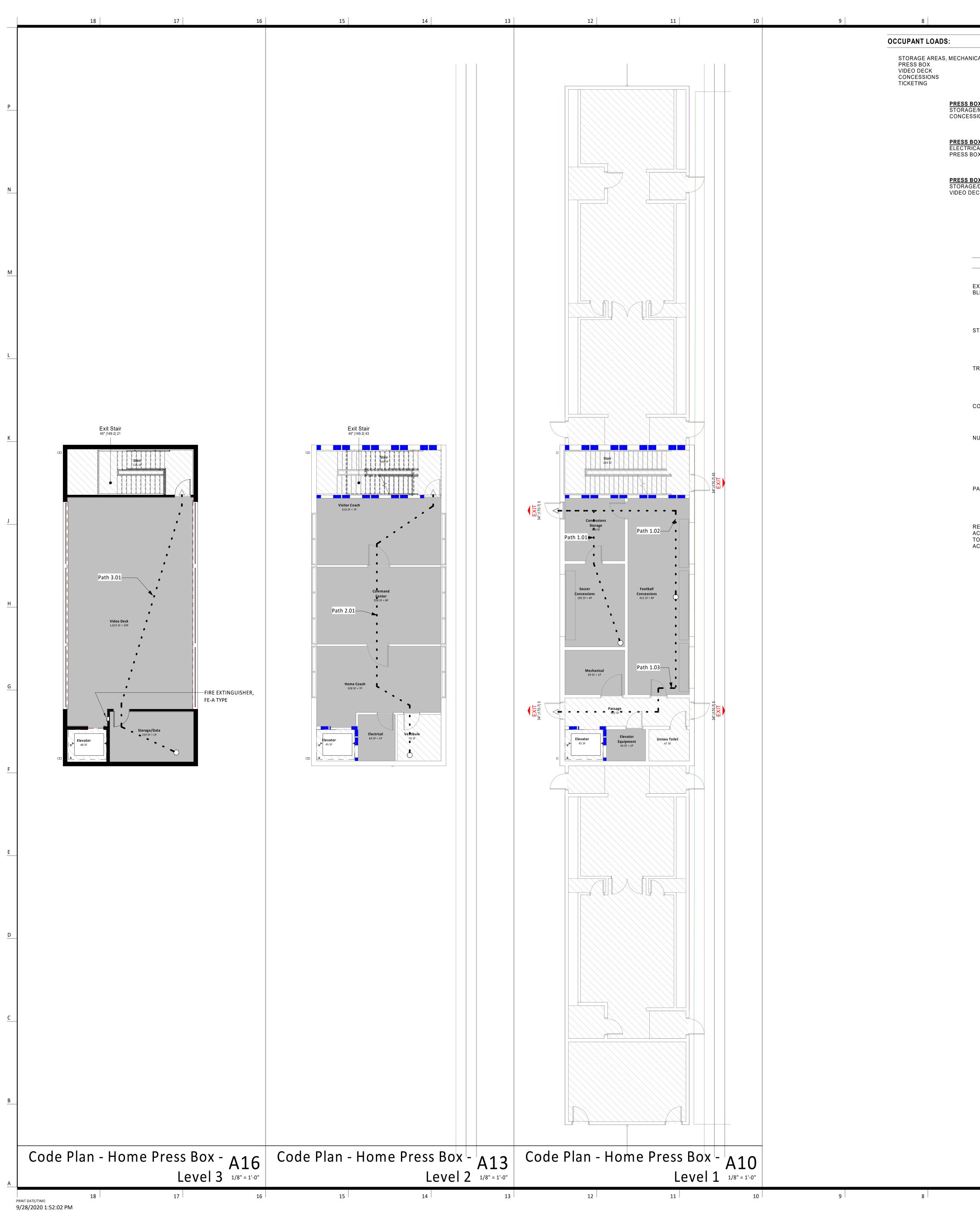
| Path of Egress Schedule | | | | | |
|-------------------------|----------------|--|--|--|--|
| Mark | Path of Egress | | | | |
| | | | | | |
| Path 1.01 | 32' - 9 11/16" | | | | |
| Path 1.02 | 39' - 4 5/8" | | | | |
| Path 1.03 | 44' - 3 3/8" | | | | |
| Path 1.04 | 34' - 11 1/4" | | | | |
| Path 1.05 | 55' - 7 5/8" | | | | |
| Path 1.06 | 16' - 5 3/16" | | | | |
| Path 1.07 | 16' - 6" | | | | |
| Path 2.01 | 38' - 4 3/4" | | | | |
| Path 2.02 | 44' - 4 3/4" | | | | |
| Path 3.01 | 56' - 1 1/2" | | | | |

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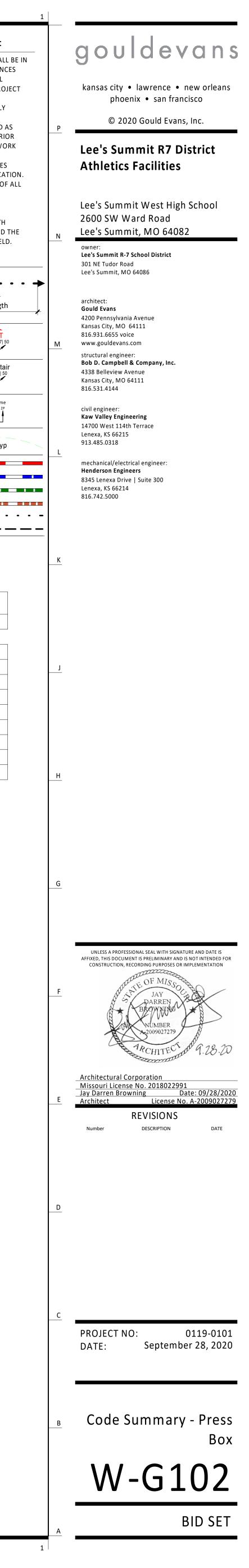


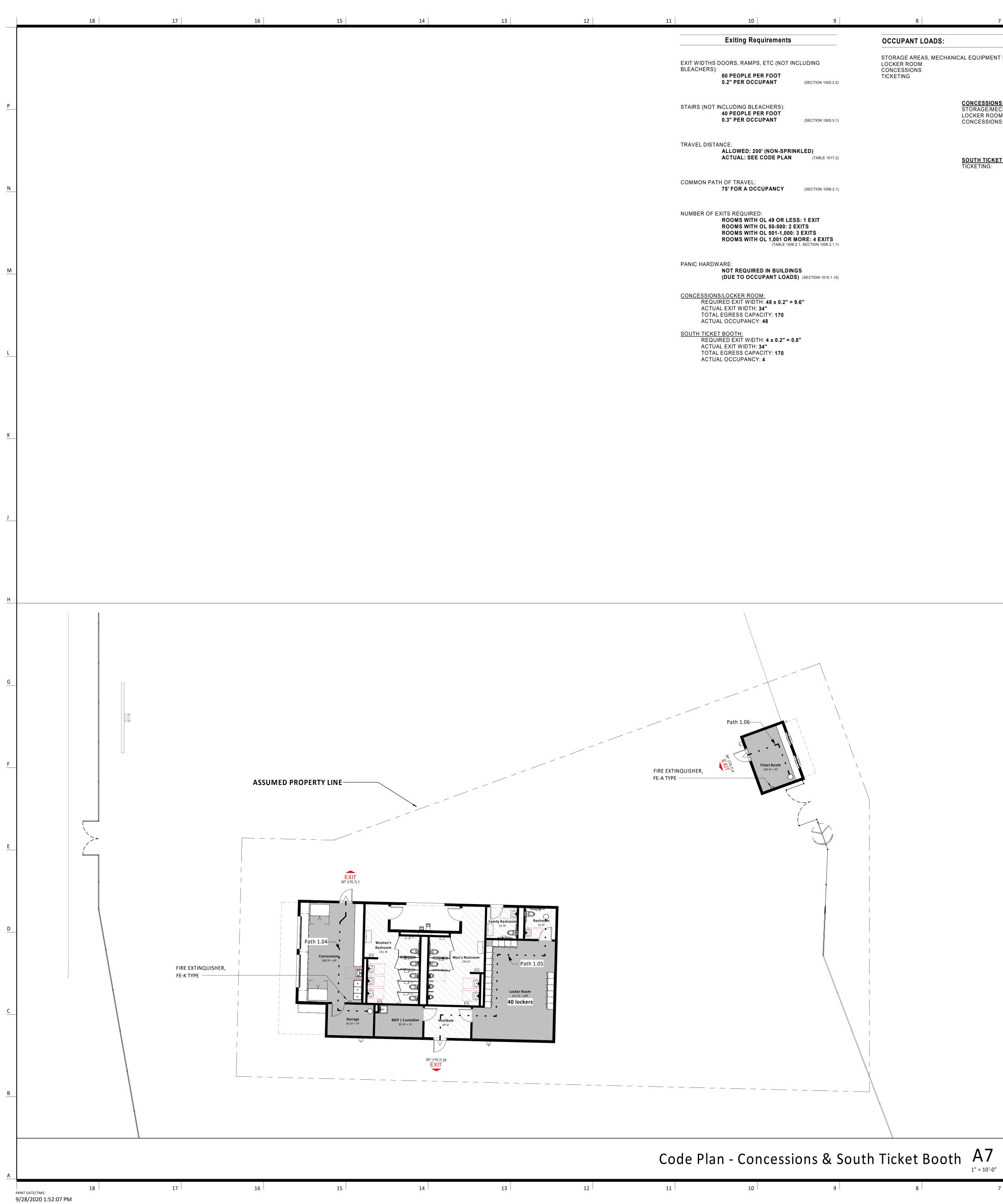


| 7 | 6 | 5 | 5 | 4 | 3 | 2 |
|--|---|---|---|---|---|---|
| | (BASED ON 2 | 2018 IBC TABLE 1004.5) | | Description | General | Notes (Code Plans): |
| HANICAL/ELECTRI | CAL EQUIPMENT ROOM | 300 GROSS 50 GROSS 50 GROSS 60 GROSS 60 GROSS | FACILITIES WHICH EXISTING PRESS BO RESTROOMS, CON | XISTING OUTDOOR STADIUM WILL INCLUDE EXPANSION OF OX; CONSTRUCTION OF NEW CESSIONS, AND TICKET BOOTHS; ON OF NEW BLEACHER SEATING. | CONFORMANCE AND REGULATIO AGENCIES HAVIN LOCATION. | ERIALS, AND METHODS SHALL BE WITH THE CODES, ORDINANCES NS OF ALL GOVERNMENTAL IG JURISDICTION AT THE PROJECT |
| SS BOX - LEVEL 1 RAGE/MECH. (2): ICESSIONS (2): | | CUPANTS CUPANTS NTS | A 2018 International Bu 2018 International Ex 2018 International Fir | isting Building Code | RESPONSIBLE AN EMPLOYEE PROT REQUIRED BY TH PEDESTRIAN ANI | ALL PROVIDE AND IS SOLELY ID LIABLE FOR PUBLIC AND ECTION AS NECESSARY AND AS E CODES, INCLUDING EXTERIOR D TRAFFIC BARRIERS. ALL WORK I TO ORDINANCES AND |
| <u>SS BOX - LEVEL 2</u> CTRICAL: SS BOX (3): | 64 SF 1 OCC | CUPANT CUPANTS | 2009 Accessible and | echanical Code Imbing Code ery Conservation Code Usable Buildings and Facilities | HAVING JURISDI 3. THE SIZE, TYPE, C TEMPORARY FIR DETERMINED BY | F GOVERNMENTAL AGENCIES CTION AT THE PROJECT LOCATION QUANTITY, AND LOCATION OF ALL E EXTINGUISHERS SHALL BE THE AUTHORITY HAVING |
| <u>SS BOX - LEVEL 3</u> RAGE/DATA: O DECK: | | CUPANT CUPANTS NTS | Occup | n all applicable codes. Dancy Classifications SINGLE USE OCCUPANCY IN OVATED AREAS: | ARCHITECT, OWI AUTHORITY HAV | CATION OF KNOX BOX WITH NER'S REPRESENTATIVE, AND THE ING JUISDICTION IN THE FIELD. de Plan Legend: |
| | TOTAL: 58 | OCCUPANTS | A-5 ASSEMBLY | e of Construction | Egress Path of Travel Path #: RE Common Path of Travel, RE Travel Distance to Exit, RE | Schedule Length |
| | Exiting Requirements | | TYPE II-B | | Egress Point | rovided |
| | DOORS, RAMPS, ETC (NOT IN | CLUDING | A | Ilowable Height | | f Occupants (by width) |
| BLEACHERS): | 60 PEOPLE PER FOOT 0.2" PER OCCUPANT | (SECTION 1005.3.2) | A-5: 55' | UL | Clear Width Pr | rovided 54" 180 50 f Occupants (by width) Occupants Room name |
| STAIRS (NOT | INCLUDING BLEACHERS): 40 PEOPLE PER FOOT 0.3" PER OCCUPANT | (SECTION 1005.3.1) | PRESS BOX + ADDI | Building Height TION: 3 STORIES - APX 47' | Fire Extinguisher Radi | us 75' Typ |
| TRAVEL DIST | ANCE: Allowed: 200' (Non-Sprin Actual: See Code Plan | IKLED) (TABLE 1017.2) | NON SPRINKLED (NS) | Allowable Area | 2-Hour: Fire Rated As 3-Hour: Fire Rated As | sembly |
| COMMON PAT | TH OF TRAVEL: 75' FOR A OCCUPANCY | (SECTION 1006.2.1) | A-5: UL | UL Building Area | 4-Hour: Fire Rated As Smoke Barrier Smoke Partition | |
| NUMBER OF E | EXITS REQUIRED: ROOMS WITH OL 49 OR LES ROOMS WITH OL 50-500: 2 E ROOMS WITH OL 501-1,000: | XITS | | NG AREA: 6,000 SF CTION BUILDING AREA: 1,500 SF GAREA: 7,500 SF | | |
| | ROOMS WITH OL 1,001 OR N | | Passiv | ve Fire Requirements | Path o | f Egress Schedule |
| PANIC HARDV | VARE: Not required in Building | GS | EXTERIOR BEARING | | Mark | Path of Egress |
| | (DUE TO OCCUPANT LOADS | (SECTION 1010.1.10) | INTERIOR BEARING | ARING WALLS: 0 hr | Path 1.01 | 32' - 9 11/16" |
| REQUIRED EX | (IT WIDTH: 58 x 0.2" = 11.6" WIDTH: 136" | | | (>30' FROM C.L. OF PROPERTY LINE, TABLE 602) TION AT EXT. WALL: 0 HR (>30' FROM C.L. OF PROPERTY LINE, TABLE 705.8) | Path 1.02 Path 1.03 | 39' - 4 5/8" 44' - 3 3/8" |
| TOTAL EGRES | SS CAPACITY: 680 JPANCY: 58 | | STRUCTURAL FRAM ROOF SUPPORTS: (| | Path 1.04 Path 1.05 | 34' - 11 1/4" 55' - 7 5/8" |
| | | | | LS & INTERIOR PARTITIONS: 0 HR | Path 1.06 | 16' - 5 3/16" |
| | | | CORRIDORS: 0 HR FLOOR CONSTRUC | TION: 0 HR | Path 1.07 Path 2.01 Path 3.01 | 16' - 6" 59' - 8 1/2" 58' - 3 1/8" |
| | | | | Resistance Requirements | | |
| | | | AUTOMATIC SPRINI NOT REQUIRED | | | |
| | | | STANDPIPES: NOT FIRE ALARM SYSTE | M: NOT REQ'D. DUE TO OCCUPANT | | |
| | | | SMOKE DETECTION | LOAD (SECTION 907.2.1) I: NOT REQUIRED | | |
| | | | | EQUIRED IN ROOMS THAT REQUIRE DNE EXIT. (SECTION 1013) | | |
| | | | EMERGENCY LIGHT | TING: MINIMUM OF 1 FOOTCANDLE A The Walking Surface | т | |
| | | | PORTABLE FIRE EX | (SECTION 1008.2.1) TINGUISHERS: REQUIRED (SECTION 906.1) | | |
| | | | N | leans of Egress | | |
| | | | | F EGRESS TRAVEL : PATH OF EGRESS TRAVEL SHOULD | | |
| | | | SPRINKLED BUILE MAXIMUM OCCUP EXITS OR EXIT AC SPACE SHALL BE OCCUPANT LOAD TRAVEL DISTANC | EET FOR USE GROUP A IN NON- DINGS (IBC TABLE 1006.2.1). THE ANT LOAD OF SPACE IS 49. TWO CESS DOORWAYS FROM ANY PROVIDED WHERE THE DESIGN OR COMMON PATH OF EGRESS E EXCEEDS THE VALUES LISTED IN BC SECTION 1006.2.1) | | |
| | | | 20 FEET IN LENGT | IDORS: D CORRIDORS SHOULD NOT EXCEED TH FOR USE GROUP A (IBC SECTION D CORRIDORS IN AN EXISTING | | |
| | | | CONDÍTION SHOU 805.6) TRAVEL DISTANC | ILD NOT EXCEED 35' (IEBC SECTION | | |
| | | | SHOULD NOT EXC OCCUPANCIES (IE DOOR SWING: | | | |
| | | | DIRECTION OF TR | ING IS REQUIRED TO SWING IN THE AVEL WHEN THE OCCUPANT LOAD (IBC SECTION 1010.1.2.1) | | |
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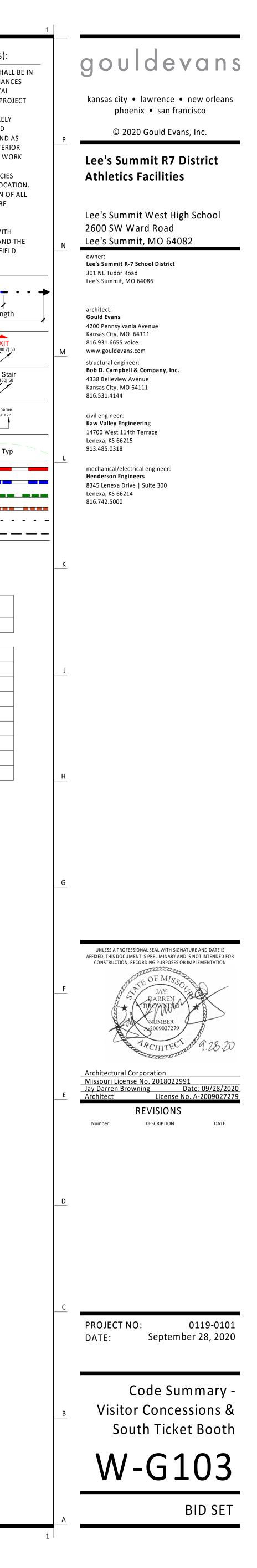


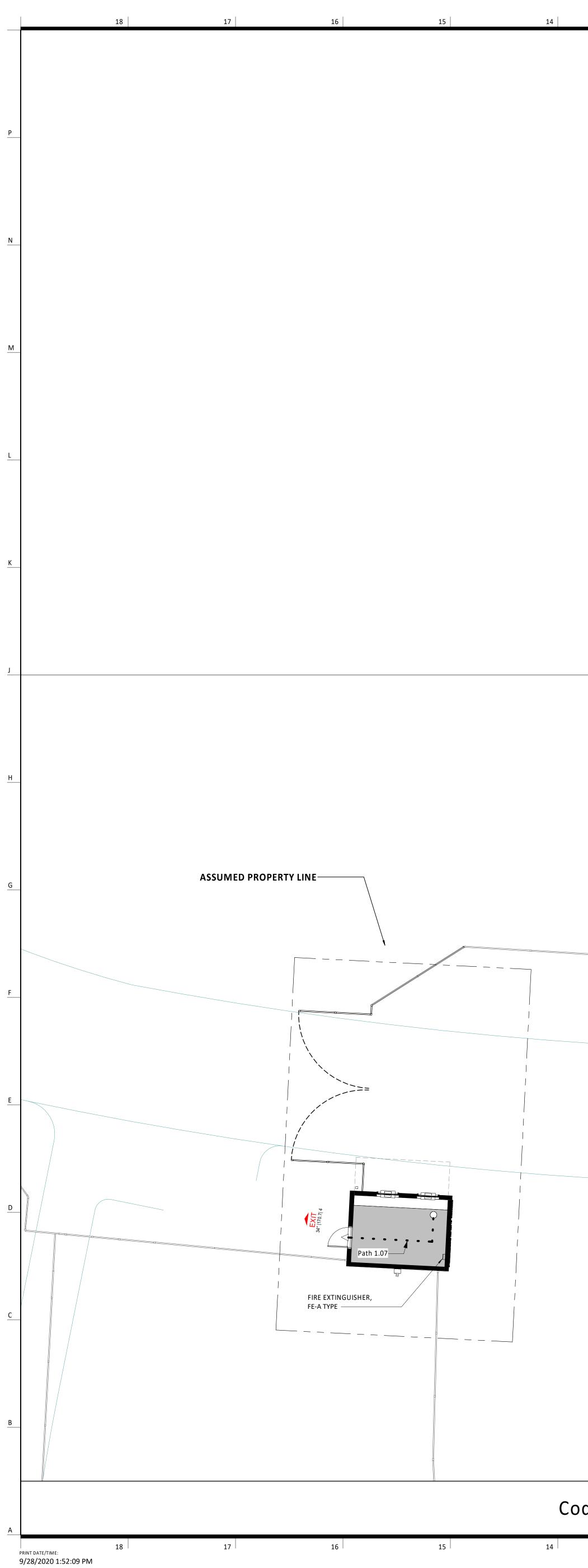
| 13 | 12 | 11 | 10 | 9 | 8 | 7 |
|----|----|-------------------|--|-----------------------------|---|---|
| | | | Exiting Requirements | | OCCUPANT LOADS: | |
| | | EXIT WI BLEACH | DTHS DOORS, RAMPS, ETC (NOT INCL IERS): 60 PEOPLE PER FOOT 0.2" PER OCCUPANT | UDING (SECTION 1005.3.2) | STORAGE AREAS, MECHA LOCKER ROOM CONCESSIONS TICKETING | NICAL EQUIPMENT ROOM |
| | | STAIRS | (NOT INCLUDING BLEACHERS): 40 PEOPLE PER FOOT 0.3" PER OCCUPANT | (SECTION 1005.3.1) | | CONCESSIONS & LOCKER STORAGE/MECH (2): LOCKER ROOM: CONCESSIONS: |
| | | TRAVEL | DISTANCE: Allowed: 200' (Non-Sprink) Actual: See Code Plan | LED) (TABLE 1017.2) | | <u>SOUTH TICKET BOOTH</u> TICKETING: |
| | | СОММС | ON PATH OF TRAVEL: 75' FOR A OCCUPANCY | (SECTION 1006.2.1) | | |
| | | NUMBE | R OF EXITS REQUIRED: ROOMS WITH OL 49 OR LESS: ROOMS WITH OL 50-500: 2 EXI ROOMS WITH OL 501-1,000: 3 ROOMS WITH OL 1,001 OR MO (TABLE 1006.2.1, | ITS EXITS | | |
| | | PANIC F | HARDWARE: Not required in Buildings (Due to occupant loads) | | | |
| | | | <u>SSIONS/LOCKER ROOM:</u> REQUIRED EXIT WIDTH: 48 x 0.2" = 9.6 ACTUAL EXIT WIDTH: 34" TOTAL EGRESS CAPACITY: 170 ACTUAL OCCUPANCY: 48 | 3" | | |
| | | | <u>TICKET BOOTH:</u> REQUIRED EXIT WIDTH: 4 x 0.2" = 0.8" ACTUAL EXIT WIDTH: 34" TOTAL EGRESS CAPACITY: 170 ACTUAL OCCUPANCY: 4 | | | |

| 7 | 6 | 5 4 3 | 2 |
|---|---|---|---|
| IICAL EQUIPMENT ROOM | (BASED ON 2018 IBC TABLE 1004.5) 300 GROSS 1 PER LOCKER | Description RENOVATION TO EXISTING OUTDOOR STADIUM FACILITIES WHICH WILL INCLUDE EXPANSION OF | General Notes (Code Plans): 1. ALL WORK, MATERIALS, AND METHODS SHALL CONFORMANCE WITH THE CODES, ORDINANCE AND REGULATIONS OF ALL GOVERNMENTAL |
| CONCESSIONS & LOCKER | | EXISTING PRESS BOX; CONSTRUCTION OF NEW RESTROOMS, CONCESSIONS, AND TICKET BOOTHS; AND CONSTRUCTION OF NEW BLEACHER SEATING. | AGENCIES HAVING JURISDICTION AT THE PROJI LOCATION. 2. CONTRACTOR SHALL PROVIDE AND IS SOLELY RESPONSIBLE AND LIABLE FOR PUBLIC AND EMPLOYEE PROTECTION AS NECESSARY AND AS |
| STORAGE/MECH (2): LOCKER ROOM: CONCESSIONS: | 169 SF2 OCCUPANTS434 SF40 OCCUPANTS360 SF6 OCCUPANTSTOTAL: 48 OCCUPANTS | Applicable Codes 2018 International Building Code 2018 International Existing Building Code 2018 International Fire Code 2017 National Electric Code | REQUIRED BY THE CODES, INCLUDING EXTERIO PEDESTRIAN AND TRAFFIC BARRIERS. ALL WOF SHALL CONFORM TO ORDINANCES AND REGULATIONS OF GOVERNMENTAL AGENCIES HAVING JURISDICTION AT THE PROJECT LOCAT 3. THE SIZE, TYPE, QUANTITY, AND LOCATION OF |
| <u>SOUTH TICKET BOOTH</u> TICKETING: | 140 SF 3 OCCUPANTS TOTAL: 3 OCCUPANTS | 2018 International Mechanical Code 2018 International Plumbing Code 2018 International Enery Conservation Code 2009 Accessible and Usable Buildings and Facilities Building complies with all applicable codes. | TEMPORARY FIRE EXTINGUISHERS SHALL BE DETERMINED BY THE AUTHORITY HAVING JUISDICTION. 4. COORDINATE LOCATION OF KNOX BOX WITH ARCHITECT, OWNER'S REPRESENTATIVE, AND T |
| | | Occupancy Classifications THE PROJECT SITE CONTAINS (3) ASSUMED PROPERTIES; EACH WITH A SINGLE USE | AUTHORITY HAVING JUISDICTION IN THE FIELD Code Plan Legend: Egress Path of Travel Path #: RE Schedule Common Path of Travel, RE Schedule |
| | | OCCUPANCY IN EXISTING AND RENOVATED AREAS: B: CONCESSIONS & SOUTH TICKET BOOTH | Travel Distance to Exit, RE Schedule - Length Egress Point Clear Width Provided - 36" [180.7] 50 |
| | | Type of Construction | Maximum # of Occupants (by width) Required # of Occupants Stair Egress Clear Width Provided Maximum # of Occupants (by width) Required # of Occupants Occupants |
| | | Allowable Height | Occupancy Tag Room name Occupancy Group B: 200 SF = 2P Area |
| | | NON SPRINKLEDSPRINKLEDHEIGHTSTORIESHEIGHTB:55'375' | Occupant Load Fire Extinguisher Radius 75' Typ |
| | | Building Height CONCESSIONS/LOCKER ROOM: 1 STORY - APX 15' SOUTH TICKET BOOTH: 1 STORY - APX 13' | 1-Hour: Fire Rated Assembly 2-Hour: Fire Rated Assembly 3-Hour: Fire Rated Assembly 4-Hour: Fire Rated Assembly Smoke Barrier |
| | | Allowable Area | Smoke Partition — — — — — |
| | | NON SPRINKLED (NS)SPRINKLED (S1)B:23,000 SF92,000 SF | |
| | | Building Area CONCESSIONS/LOCKER BUILDING AREA: 1,785 SF | Path of Egress Schedule Mark Path of Egress |
| | | SOUTH TICKET BOOTH BUILDING AREA: 140 SF | Path 1.01 32' - 9 11/16" Path 1.02 39' - 4 5/8" |
| | | Passive Fire Requirements | Path 1.02 35 45/6 Path 1.03 44' - 3 3/8" Path 1.04 34' - 11 1/4" |
| | | EXTERIOR BEARING WALLS: 0 HR INTERIOR BEARING WALLS: 0 HR | Path 1.0555' - 7 5/8"Path 1.0616' - 5 3/16" |
| | | EXTERIOR NON-BEARING WALLS: 0 HR (>30' FROM C.L. OF PROPERTY LINE, TABLE 602) OPENING PROTECTION AT EXT. WALL: 0 HR (>30' FROM C.L. OF PROPERTY LINE, TABLE 705.8) STRUCTURAL FRAME: 0 HR ROOF SUPPORTS: 0 HR | Path 1.0716' - 6"Path 2.0159' - 8 1/2"Path 3.0158' - 3 1/8" |
| | | NON-BEARING WALLS & INTERIOR PARTITIONS: 0 HR CORRIDORS: 0 HR FLOOR CONSTRUCTION: 0 HR | |
| | | Active Fire Resistance Requirements | |
| | | NOT REQUIRED (SECTION 905) FIRE ALARM SYSTEM: NOT REQ'D. DUE TO OCCUPANT LOAD (SECTION 907.2.1) | |
| | | SMOKE DETECTION: NOT REQUIRED EXIT SIGNS: NOT REQUIRED IN ROOMS THAT REQUIRE ONLY ONE EXIT. (SECTION 1013) | |
| | | EMERGENCY LIGHTING: MINIMUM OF 1 FOOTCANDLE AT THE WALKING SURFACE (SECTION 1008.2.1) | |
| | | PORTABLE FIRE EXTINGUISHERS: REQUIRED (SECTION 906.1) | |
| | | Means of Egress | |
| | | COMMON PATH OF EGRESS TRAVEL: COMMON PATH OF EGRESS TRAVEL SHOULD NOT EXCEED 75 FEET FOR USE GROUP A IN NON- SPRINKLED BUILDINGS (IBC TABLE 1006.2.1). THE | |
| | | MAXIMUM OCCUPANT LOAD OF SPACE IS 49. TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED WHERE THE DESIGN OCCUPANT LOAD OR COMMON PATH OF EGRESS TRAVEL DISTANCE EXCEEDS THE VALUES LISTED IN TABLE 1006.2.1 (IBC SECTION 1006.2.1) DEAD END CORRIDORS: | |
| | | DEAD END CORRIDORS SHOULD NOT EXCEED 20 FEET IN LENGTH FOR USE GROUP A (IBC SECTION 1020.4). DEAD END CORRIDORS IN AN EXISTING CONDITION SHOULD NOT EXCEED 35' (IEBC SECTION 805.6) TRAVEL DISTANCE: | |
| | | THE MAXIMUM TRAVEL DISTANCE TO AN EXIT SHOULD NOT EXCEED 200 FEET FOR USE GROUP A OCCUPANCIES (IBC TABLE 1017.2) DOOR SWING: | |
| | | DOOR SWING IS REQUIRED TO SWING IN THE DIRECTION OF TRAVEL WHEN THE OCCUPANT LOAD IS MORE THAN 50 (IBC SECTION 1010.1.2.1) | |
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| h A/ 1" = 10'-0" | | | |

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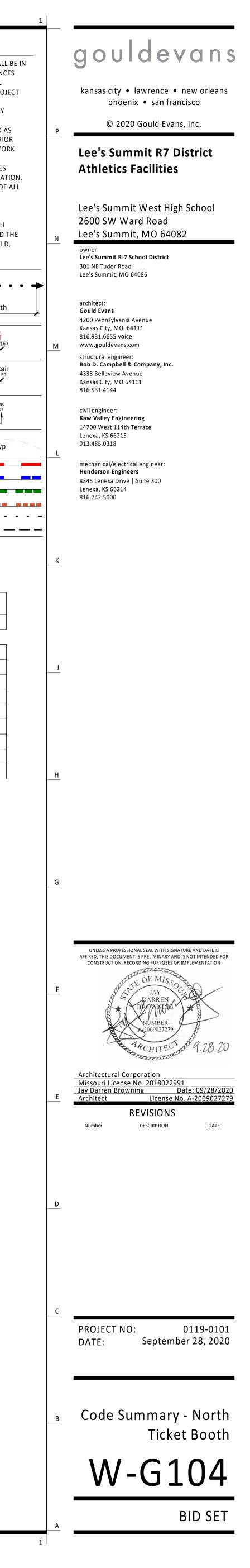


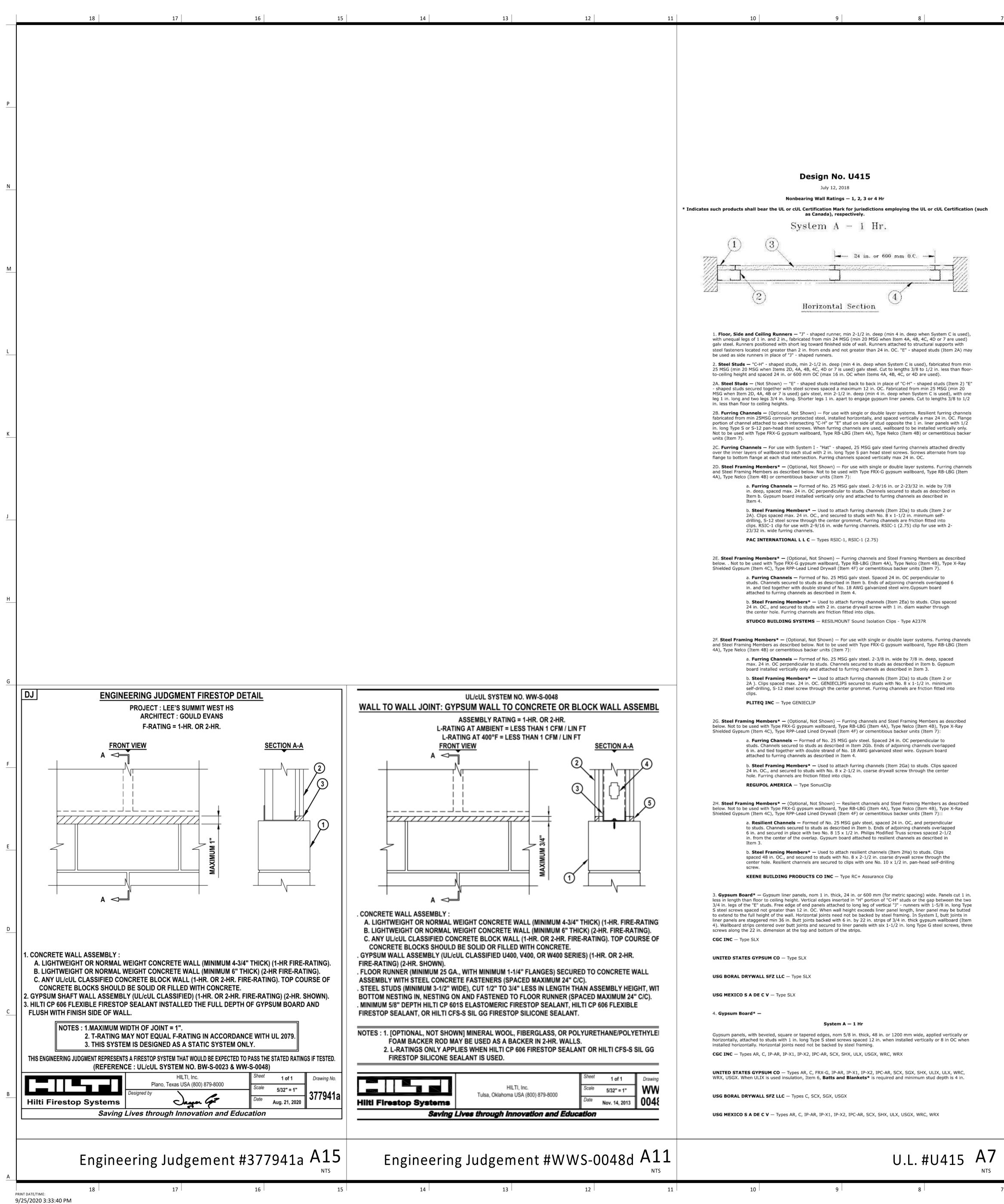
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| ode Plan - North Ticket Boo | oth A11 | | | |
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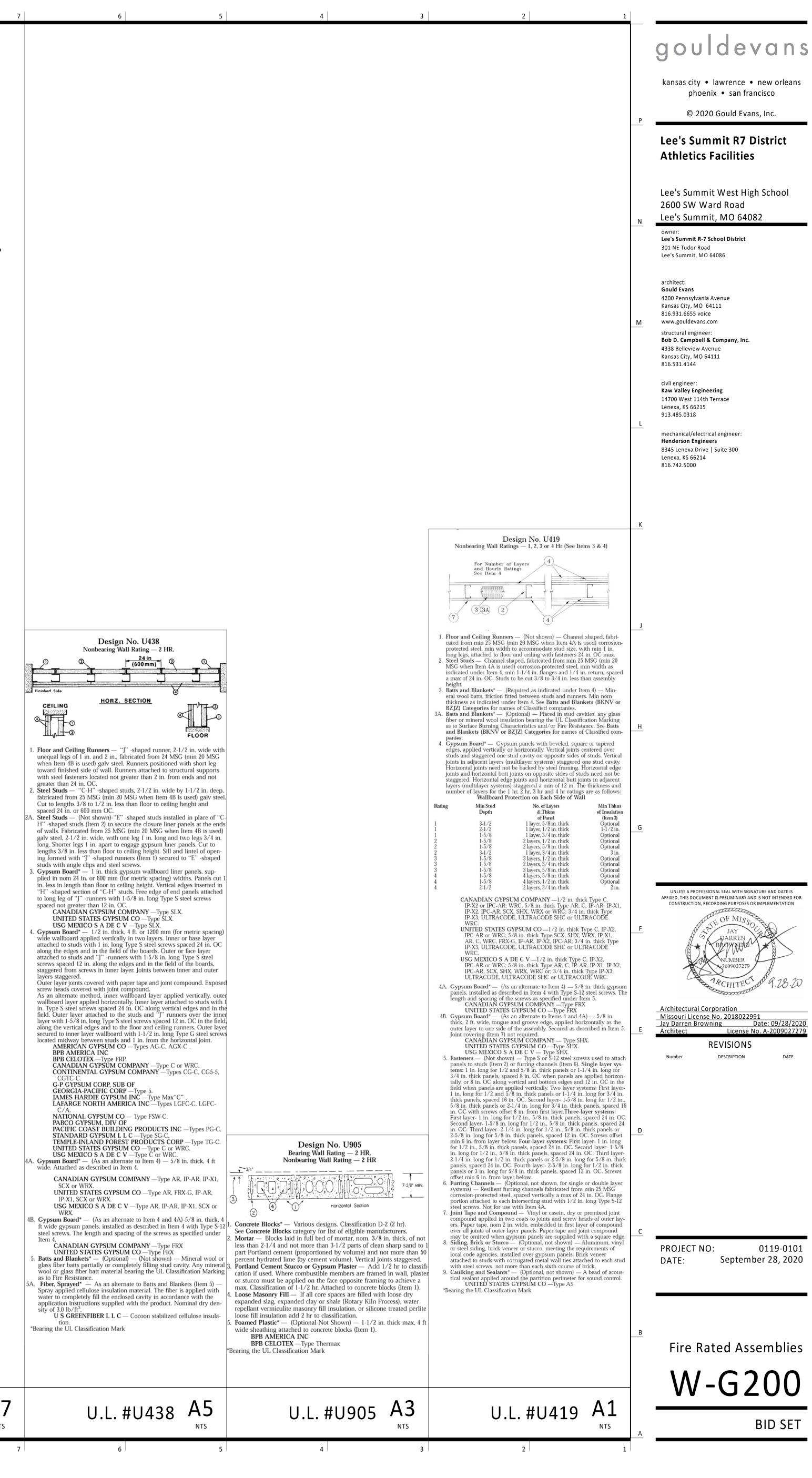
10 9 8 OCCUPANT LOADS:

TICKETING

| (BASED ON 2018 IBC TABLE 1004.5) 60 GROSS | Description RENOVATION TO EXISTING OUTDOOR STADIUM FACILITIES WHICH WILL INCLUDE EXPANSION OF EXISTING PRESS BOX; CONSTRUCTION OF NEW | General Notes (Code Plans): 1. ALL WORK, MATERIALS, AND METHODS SHALL BE I CONFORMANCE WITH THE CODES, ORDINANCES AND REGULATIONS OF ALL GOVERNMENTAL |
|--|--|---|
| SOUTH TICKET BOOTH TICKETING: 140 SF 3 OCCUPANTS TOTAL: 3 OCCUPANTS | RESTROOMS, CONCESSIONS, AND TICKET BOOTHS; AND CONSTRUCTION OF NEW BLEACHER SEATING. | AGENCIES HAVING JURISDICTION AT THE PROJECT LOCATION. 2. CONTRACTOR SHALL PROVIDE AND IS SOLELY RESPONSIBLE AND LIABLE FOR PUBLIC AND EMPLOYEE PROTECTION AS NECESSARY AND AS |
| Exiting Requirements | Applicable Codes 2018 International Building Code 2018 International Existing Building Code 2018 International Fire Code 2017 National Electric Code | REQUIRED BY THE CODES, INCLUDING EXTERIOR PEDESTRIAN AND TRAFFIC BARRIERS. ALL WORK SHALL CONFORM TO ORDINANCES AND REGULATIONS OF GOVERNMENTAL AGENCIES HAVING JURISDICTION AT THE PROJECT LOCATION |
| EXIT WIDTHS DOORS, RAMPS, ETC (NOT INCLUDING BLEACHERS): 60 PEOPLE PER FOOT 0.2" PER OCCUPANT (SECTION 1005.3.2) | 2018 International Mechanical Code 2018 International Plumbing Code 2018 International Enery Conservation Code 2009 Accessible and Usable Buildings and Facilities | THE SIZE, TYPE, QUANTITY, AND LOCATION OF ALL TEMPORARY FIRE EXTINGUISHERS SHALL BE DETERMINED BY THE AUTHORITY HAVING JUISDICTION. COORDINATE LOCATION OF KNOX BOX WITH ARCHITECT, OWNER'S REPRESENTATIVE, AND THE |
| STAIRS (NOT INCLUDING BLEACHERS): 40 PEOPLE PER FOOT 0.3" PER OCCUPANT (SECTION 1005.3.1) | Building complies with all applicable codes. | AUTHORITY HAVING JUISDICTION IN THE FIELD. Code Plan Legend: Egress Path of Travel Path # Path # Path # |
| TRAVEL DISTANCE: ALLOWED: 200' (NON-SPRINKLED) ACTUAL: SEE CODE PLAN (TABLE 1017.2) | THE PROJECT SITE CONTAINS (3) ASSUMED PROPERTIES; EACH WITH A SINGLE USE OCCUPANCY IN EXISTING AND RENOVATED AREAS: B: NORTH TICKET BOOTH | Common Path of Travel, RE Schedule Length |
| COMMON PATH OF TRAVEL: 75' FOR A OCCUPANCY (SECTION 1006.2.1) | | Egress Point EXIT Clear Width Provided 36" [180.7] 50 Maximum # of Occupants (by width) 700 Required # of Occupants Exit Stair Stair Egress Exit Stair Clear Width Provided 54" [180] 50 Maximum # of Occupants (by width) 74" [180] 50 |
| NUMBER OF EXITS REQUIRED: ROOMS WITH OL 49 OR LESS: 1 EXIT ROOMS WITH OL 50-500: 2 EXITS ROOMS WITH OL 501-1,000: 3 EXITS ROOMS WITH OL 1,001 OR MORE: 4 EXITS (TABLE 1006.2.1, SECTION 1006.2.1.1) | Type of Construction | Occupancy Tag Occupancy Group Area Occupant Load |
| PANIC HARDWARE: NOT REQUIRED IN BUILDINGS (DUE TO OCCUPANT LOADS) (SECTION 1010.1.10) | Allowable Height NON SPRINKLED SPRINKLED HEIGHT STORIES HEIGHT | Fire Extinguisher Radius 75' Typ 1-Hour: Fire Rated Assembly 2-Hour: Fire Rated Assembly |
| <u>SOUTH TICKET BOOTH:</u> REQUIRED EXIT WIDTH: 4 x 0.2" = 0.8" ACTUAL EXIT WIDTH: 34" TOTAL EGRESS CAPACITY: 170 | B: 55' 3 75' | 3-Hour: Fire Rated Assembly 4-Hour: Fire Rated Assembly Smoke Barrier Smoke Partition |
| ACTUAL OCCUPANCY: 4 | Building Height NORTH TICKET BOOTH: 1 STORY - APX 13' | |
| | NON SPRINKLED (NS) SPRINKLED (S1) B: 23,000 SF 92,000 SF | Path of Egress ScheduleMarkPath of Egress |
| | Building Area | Path 1.01 32' - 9 11/16" Path 1.02 39' - 4 5/8" Path 1.03 44' - 3 3/8" Path 1.04 34' - 11 1/4" Path 1.05 55' - 7 5/8" |
| | Passive Fire Requirements | Path 1.05 35 - 7 3/8 Path 1.06 16' - 5 3/16" Path 1.07 16' - 6" Path 2.01 59' - 8 1/2" |
| | EXTERIOR BEARING WALLS: 0 HR INTERIOR BEARING WALLS: 0 HR EXTERIOR NON-BEARING WALLS: 0 HR (>30' FROM C.L. OF PROPERTY LINE, TABLE 602) OPENING PROTECTION AT EXT. WALL: 0 HR | Path 3.01 58' - 3 1/8" |
| | (>30' FROM C.L. OF PROPERTY LINE, TABLE 705.8) STRUCTURAL FRAME: 0 HR ROOF SUPPORTS: 0 HR NON-BEARING WALLS & INTERIOR PARTITIONS: 0 HR | |
| | CORRIDORS: 0 HR FLOOR CONSTRUCTION: 0 HR | |
| | Active Fire Resistance Requirements AUTOMATIC SPRINKLER SYSTEM: (SECTION 903) NOT REQUIRED | |
| | STANDPIPES: NOT REQUIRED (SECTION 905) FIRE ALARM SYSTEM: NOT REQ'D. DUE TO OCCUPANT LOAD (SECTION 907.2.1) SMOKE DETECTION: NOT REQUIRED | |
| | EXIT SIGNS: NOT REQUIRED IN ROOMS THAT REQUIRE ONLY ONE EXIT. (SECTION 1013) EMERGENCY LIGHTING: MINIMUM OF 1 FOOTCANDLE AT THE WALKING SURFACE | |
| | (SECTION 1008.2.1) PORTABLE FIRE EXTINGUISHERS: REQUIRED (SECTION 906.1) | |
| | Means of Egress | |
| | COMMON PATH OF EGRESS TRAVEL: COMMON PATH OF EGRESS TRAVEL SHOULD NOT EXCEED 75 FEET FOR USE GROUP A IN NON- SPRINKLED BUILDINGS (IBC TABLE 1006.2.1). THE MAXIMUM OCCUPANT LOAD OF SPACE IS 49. TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED WHERE THE DESIGN OCCUPANT LOAD OR COMMON PATH OF EGRESS TRAVEL DISTANCE EXCEEDS THE VALUES LISTED IN TRAVEL DISTANCE EXCEEDS THE VALUES LISTED IN | |
| | TABLE 1006.2.1 (IBC SECTION 1006.2.1) DEAD END CORRIDORS: DEAD END CORRIDORS SHOULD NOT EXCEED 20 FEET IN LENGTH FOR USE GROUP A (IBC SECTION 1020.4). DEAD END CORRIDORS IN AN EXISTING CONDITION SHOULD NOT EXCEED 35' (IEBC SECTION 805.6) | |
| | TRAVEL DISTANCE: THE MAXIMUM TRAVEL DISTANCE TO AN EXIT SHOULD NOT EXCEED 200 FEET FOR USE GROUP A OCCUPANCIES (IBC TABLE 1017.2) DOOR SWING: | |
| | DOOR SWING IS REQUIRED TO SWING IN THE DIRECTION OF TRAVEL WHEN THE OCCUPANT LOAD IS MORE THAN 50 (IBC SECTION 1010.1.2.1) | |
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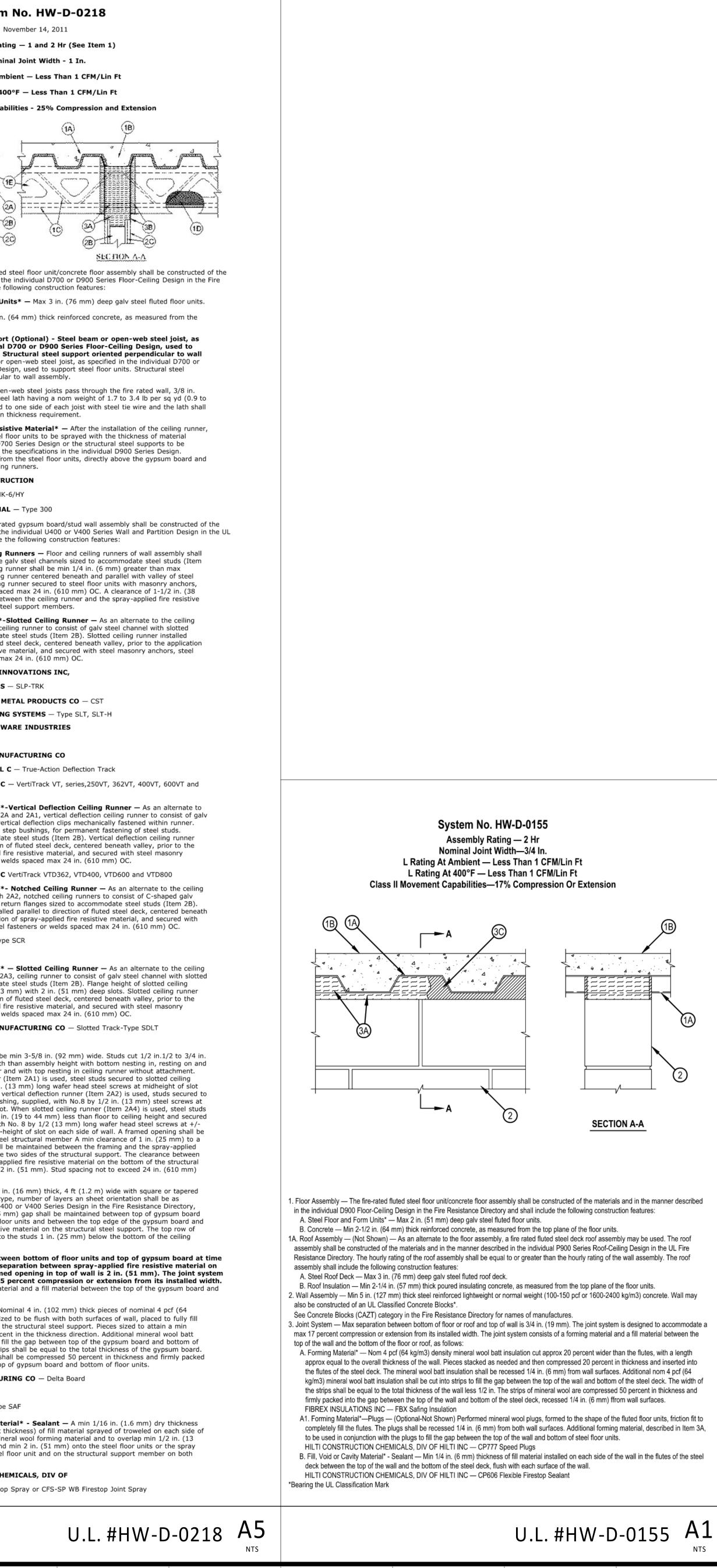




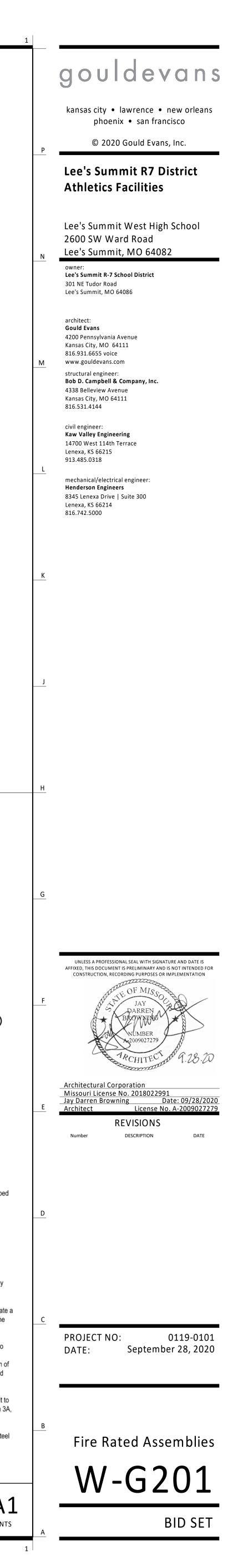


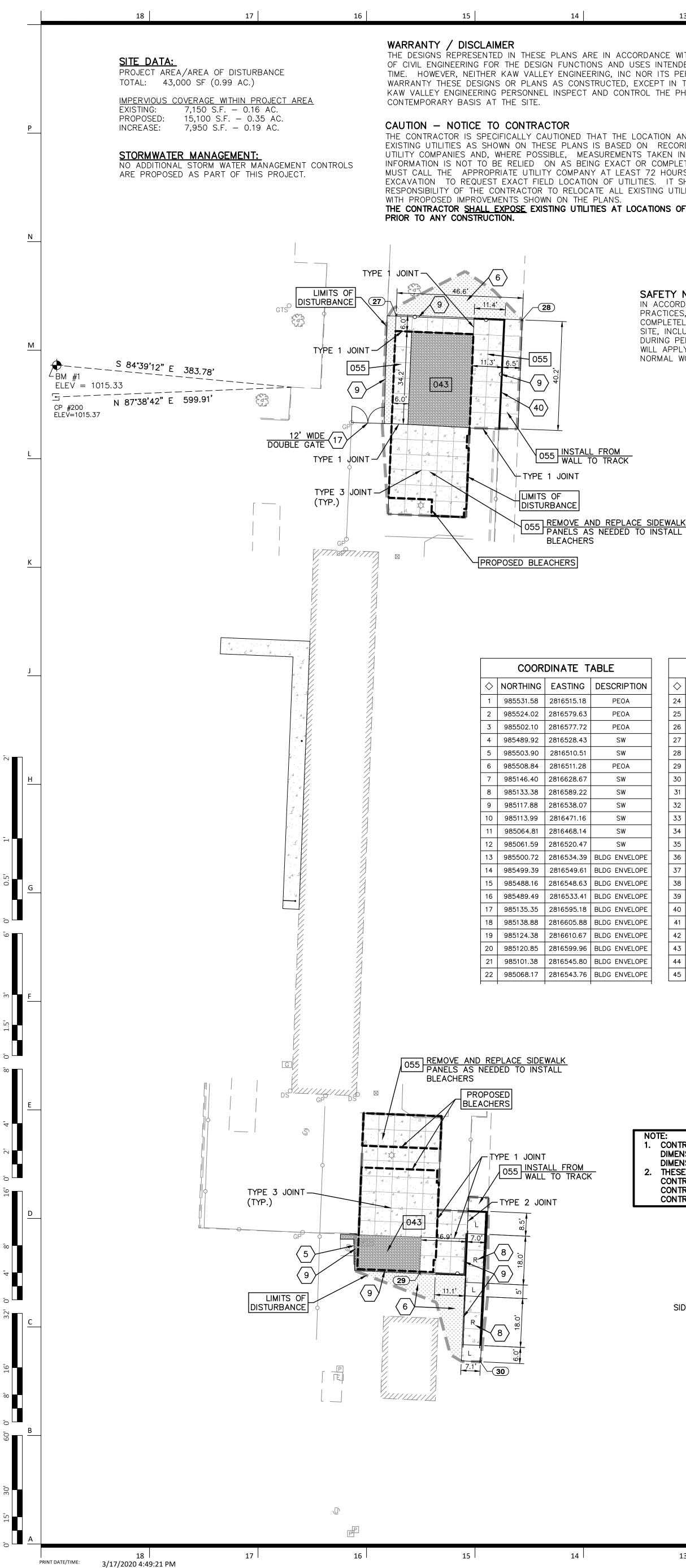
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| | System |
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| | Assembly Rat |
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| | L Rating At 40 Class II Movement Capa |
| | |
| | 1. Floor Assembly — The fire-rated fluted materials and in the manner described in th Resistance Directory and shall include the f A. Steel Floor and Form Un B. Concrete — Min 2-1/2 in. |
| | b. Concrete — Mill 2-1/2 m. top plane of the floor units. C. Structural Steel Suppor specified in the individual support steel floor units. S assembly. — Steel beam or D900 Series Floor-Ceiling De support oriented perpendicul D. Steel Lath — Where open diamond mesh expanded stee 1.8 kg/m ²) shall be secured be fully covered with no min E. Spray-Applied Fire Resi (Item 2A, 2A1 or 2A2) steel specified in the individual D7 sprayed in accordance with t Material is to be excluded fro from the flanges of the ceilin |
| | W R GRACE & CO CONSTR PRODUCTS DIV — Type MK ISOLATEK INTERNATIONA 2. Wall Assembly* — The 1 or 2 h fire-ra materials and in the manner specified in th Fire Resistance Directory and shall include |
| System No. HW-D-0584 | A. Steel Floor and Ceiling consist of min No. 25 gauge 2B). Flange height of ceiling |
| October 15, 2009 Assembly Rating — 2 Hr | extended joint width. Ceiling floor units (Item 1A). Ceiling steel fasteners or welds spac mm) shall be maintained bet |
| L Rating at Ambient -2.1 CFM/Lin ft L Rating at 400° F -1.33 CFM/Lin ft | material on the structural ste A1 Light Gauge Framing*- runner in Item 2A, slotted ce flanges sized to accommedat |
| Nominal Joint Width — 1-1/16 in. | flanges sized to accommodat parallel to direction of fluted of spray-applied fire resistive fasteners or welds spaced m |
| Class II and III Movement Capabilities -94%Compression or 100% Extension | BRADY CONSTRUCTION IN DBA SLIPTRACK SYSTEMS CALIFORNIA EXPANDED M CLARKDIETRICH BUILDIN MARINO/WARE, DIV OF W INC — Type SLT SCAFCO STEEL STUD MAN TELLING INDUSTRIES L L |
| | THE STEEL NETWORK INC 800VT A2. Light Gauge Framing* |
| (2B) Section A-A (2B) A | the ceiling runners in Item 2 steel channel with slotted ve Slotted clips, provided with s Flanges sized to accommoda |
| Floor Assembly — The fire-rated fluted steel deck/concrete floor assembly shall be constructed of the materials and in the manner described in the individual D900 Series Floor-Ceiling Design in the UL Fire Resistance Directory and shall include the following construction features: | installed parallel to direction application of spray-applied f anchors, steel fasteners or w |
| A. Steel Floor and Form Units* — Max 3 in. (76 mm) deep galv steel fluted floor units. B. Concrete — Min 2-1/2 in. (64 mm) thick reinforced concrete, as measured from the top plane of the | THE STEEL NETWORK INC A3. Light Gauge Framing* runners in Items 2A through |
| floor units. 1A. Roof Assembly — (Not Shown) - As an alternate to the floor assembly, a fire rated fluted steel deck roof assembly may be used. The roof shall by constructed of the materials and in the manner described in the individual P900-Series Roof-Ceiling designs in the UL Fire Resistance Directory. The hourly rating of the roof assembly shall be equal to or greater than the hourly rating of the wall assembly. The roof assembly shall include the following construction features: | steel channel with notched re Notched ceiling runner instal valley, prior to the applicatio steel masonry anchors, steel OLMAR SUPPLY INC — Typ |
| A. Steel Roof Deck — Max 3 in. deep galv steel fluted roof deck. B. Roof Insulation — Roof insulation to consist of min 2-1/4 in. (57 mm) thick poured insulating concrete, as measured from the top plane of the roof deck. | A4. Light Gauge Framing* runner in Item 2A through 2. flanges sized to accommodat |
| Shaft Wall Assembly — The 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 or V400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features: A. Steel Floor and Ceiling Runners — Floor runner U-shaped, sized to accommodate steel studs (Item | runner shall be 3-1/4 in. (83 installed parallel to direction application of spray-applied f anchors, steel fasteners or w SCAFCO STEEL STUD MAN |
| 2B), fabricated from 24 ga galv steel. Ceiling runner positioned with slotted leg toward finished side of wall. Runners attached to floor with steel fasteners located not greater than 2 in. from ends and not greater than 24 in OC. The ceiling runners are provided with a fill, void or cavity material and are described in Item 3. | B. Studs — Steel studs to be (13 to 19 mm) less in length fastened to the floor runner a |
| B. Studs — "C-T", "I", or "C-H" shaped steel studs to be min 2 1/2 in. (64 mm) wide and formed of min 24 ga galv steel. Studs cut 2-2-1/4 (51 to 57 mm) less in length than assembly height with bottom nesting in and secured to floor runner. Steel studs secured to slotted leg of ceiling runner on finished side with No. 8 by 1/2 (13 mm) long wafer head steel screws at mid-height of exposed slot. Studs spaced max 24 in. (610 mm) OC. C. Gypsum Board* — 1 in. (25 mm) thick by max 24 in. (610 mm) wide gypsum board liner panels. | When slotted ceiling runner (runner with No. 8 by 1/2 in. on each side of wall. When v vertical clip through slip bush midheight of slot of each slot cut in lengths 3/4 to 1-3/4 in to slotted ceiling runner with |
| Panels cut 1-1/4 to 1-1/2 in. (32 to 38 mm) less in length than floor to ceiling hight. Vertical edges inserted into "T" shaped section of "C-T" studs, into holding tabs of "I" studs or into "H"-shaped section of "C-H" studs. A nominal 3-5/8 in. (92 mm) wide rip of gypsum board covering the leg of the ceiling runner attached a max of 3/8 in. (10 mm) below the track web and a max of 8 in. (203 mm) O.C. to ceiling runner on the non-finished side of wall. | 3/16 in. (5 mm) of the mid- constructed around each stee max of 4 in. (102 mm) shall fire resistive material on the the framing and the spray-ap steel support shall be max 2 OC. |
| as specified in the individual Wall and Partition Design. The boards cut a max 1-1/4 to 1-1/2 in. (32 to 38 mm) less in length than the floor to ceiling height. The screws attaching the gypsum board layer(s) to the "C-T", "I", or "C-H" studs shall be located 4 to 5 in. (102 to 127 mm) down from deck at time of installation. The hourly fire rating of the joint system is equal to the hourly fire rating of the wall. | C. Gypsum Board* — 5/8 in edges. The gypsum board ty specified in the individual U4 except that a max 1 in. (25 m and bottom plane of steel flo the spray applied fire resistiv screws shall be installed into |
| 3. Joint System — Max separation between bottom of floor and top of gypsum board (at time of installation) is 1-1/16in. (27 mm). The joint system is designed to accommodate a max 94 percent compression or 100 percent extension from its installed width. | 3. Joint System — Max separation betw of installation is 1 in. (25 mm). Max se |
| A. Forming Material* — Min 4 pcf (64 kg/m ³) mineral wool insulation cut to the shape of the fluted steel floor units, approx 33% larger than the area of the flutes. Pieces compressed and inserted into the flutes above the top ceiling runner flush with the finished wall surface. | bottom of structural support and frame is designed to accommodate a max 25 The joint system consists of a forming mat the bottom of the floor, as follows |
| B. Forming Material* — Min 2 in. thick min 4 pcf (64 kg/m ³) mineral wool batt insulation cut to the width of the ceiling runner and compressed approximately 47 percent in thickness, installed into ceiling runner between leg of track and gypsum liner board. | the bottom of the floor, as follows A. Forming Material* — No kg/m ³) forming material, size the framed opening around t |
| C. Fill, Void or Cavity Material* — Nom 20 ga U-shaped track having 3-1/4 in (83 mm) legs with a nom 2-1/2 in. (64 mm) wide intumescent strip affixed to the top of the leg overlapping on to top surface a min of 1/4 in. (6 mm) facing the finished side of wall. Gypsum board to overlap a min of 1in. (25 mm) over the intumescent strip. Track to be secured to bottom side of floor assembly with min 2 in. (51 mm) steel fasteners spaced at a max of 24 in. (610 mm) OC. | compression rate of 50 perce insulation cut into strips to fi floor units. Width of the strip The strips of mineral wool sh into the gap between the top ROCK WOOL MANUFACTU |
| CALIFORNIA EXPANDED METAL PRODUCTS CO — FAS SHAFT Track DL2 | ROXUL INC — SAFE THERMAFIBER INC — Type |
| Bearing the UL Classification Mark earance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under ow-Up Service. Only those products bearing the UL Mark should be considered to be Listed and covered under UL's Follow-Up Service. Always the Mark on the product. Its the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, | B. Fill, Void or Cavity Mate (min 1/8 in. or 3.2 mm wet t wall to completely cover min mm) onto gypsum board and applied material on the steel sides of wall. |
| s and/or Listings (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). statement "Reprinted from the Online Certifications Directory with permission from Underwriters Laboratories Inc." must appear adjacent to the ed material. In addition, the reprinted material must include a copyright notice in the following format: "Copyright © 2010 Underwriters cories Inc.®" | HILTI CONSTRUCTION CH HILTI INC — CP672 Firesto |



5 |





NORMAL WORKING HOURS.

12

| 15 | 11 |
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| RE IN ACCORDANCE WITH ESTABLISHED PRACTICES ONS AND USES INTENDED BY THE OWNER AT THIS ERING, INC NOR ITS PERSONNEL CAN OR DO STRUCTED, EXCEPT IN THE SPECIFIC CASES WHERE AND CONTROL THE PHYSICAL CONSTRUCTION ON A | LEE'S SUMMIT S 2600 SW WARD RO |
| THAT THE LOCATION AND/OR ELEVATION OF IS BASED ON RECORDS OF THE VARIOUS ASUREMENTS TAKEN IN THE FIELD. THE ING EXACT OR COMPLETE. THE CONTRACTOR ING AT LEAST 72 HOURS BEFORE ANY ON OF UTILITIES. IT SHALL BE THE CATE ALL EXISTING UTILITIES WHICH CONFLICT PLANS. ITIES AT LOCATIONS OF POSSIBLE CONFLICTS | SECTION 8 - TOV PREPARED FOR: LEE'S SUMMIT SCHOOL DIS 302 SE TRANSPORT RD, LEE'S SUMMIT, MO 64081 PHONE: (816) 986–2421 CONTACT: KYLE GORRELL EMAIL: kyle.gorrell@lsr7.net |
| SAFETY NOTICE TO CONTRACTOR IN ACCORDANCE WITH GENERALLY ACCEP PRACTICES, THE CONTRACTOR WILL BE S COMPLETELY RESPONSIBLE FOR CONDITIO SITE, INCLUDING SAFETY OF ALL PERSON DURING PERFORMANCE OF THE WORK. TH WILL APPLY CONTINUOUSLY AND NOT BE | SOLELY AND Image: Sole of the sole o |

| | | COOR | DINATE T | ABLE |
|----|------------|-----------|------------|---------------|
| N | \diamond | NORTHING | EASTING | DESCRIPTION |
| | 24 | 985105.26 | 2816482.65 | BLDG ENVELOPE |
| | 25 | 985080.04 | 2816481.10 | BLDG ENVELOPE |
| | 26 | 985128.76 | 2816480.00 | SW |
| | 27 | 985456.45 | 2816130.41 | SW |
| | 28 | 985454.55 | 2816176.92 | SW |
| | 29 | 985103.06 | 2816139.09 | SW |
| | 30 | 985070.58 | 2816161.52 | SW |
| | 31 | 985131.90 | 2816633.46 | EC |
| | 32 | 985135.60 | 2816649.80 | EC |
| | 33 | 985128.19 | 2816652.31 | EC |
| | 34 | 985127.81 | 2816651.17 | EC |
| | 35 | 985124.00 | 2816652.40 | BC |
| - | 36 | 985119.24 | 2816653.94 | BC |
| Ξ | 37 | 985111.27 | 2816656.51 | BC |
| - | 38 | 985105.00 | 2816653.37 | BC |
| | 39 | 985102.16 | 2816645.02 | BC |
| | 40 | 985100.22 | 2816639.34 | BC |
| - | 41 | 985095.78 | 2816626.47 | EC |
| Έ | 42 | 985100.32 | 2816618.60 | EC |
| ΡĒ | 43 | 985094.83 | 2816601.95 | EC |
| Έ | 44 | 985084.58 | 2816625.91 | EC |
| ΡE | 45 | 985081.44 | 2816616.41 | EC |

CONTRACTOR DOCUMENTS.

UMMIT WEST HIGH SCHOOL SITE PLAN ARD ROAD, LEE'S SUMMIT, MO 64082 8 - TOWNSHIP 47 N - RANGE 31 W

FOR: SCHOOL DISTRICT NSPORT RD, MO 64081 986-2421 YLE GORRELL

PREPARED BY: KAW VALLEY ENGINEERING, INC. 14700 W 114TH TERR. LENEXA, KANSAS 66215 PHONE: (913) 894-5150 CONTACT: DÁVID WOOD

LEGEND:

EMAIL: wood@kveng.com

| -G | UNDERGROUND GAS | * | CONIFEROUS TREE |
|-----------------|---------------------------------------|--|-------------------------------|
| G | GAS METER | | TREE LINE |
| <u> </u> | CONTROL POINT | HDPE | HIGH DENSITY POLYETHYLENE |
| \blacklozenge | BENCHMARK | G | GAS VALVE |
| GPO | GATE POST | GRO | GAS RISER |
| | CHAIN LINK FENCE | G | GAS LINE SIGN |
| | STREET/TRAFFIC SIGN | DE | DOOR ELEVATION |
| FOC | UNDERGROUND FIBER OPTIC CABLE | | AT THRESHOLD |
| 0C(R)— | UNDERGROUND FIBER OPTIC (FROM RECORDS | S) FF | FINISH FLOOR ELEVATION |
| TP | TELEPHONE PEDESTAL | BHE | BUILDING HEIGHT/ELEVATION |
| S | SANITARY SEWER MANHOLE | B/B | BACK TO BACK OF CURB MEASU |
| \square | STORM SEWER MANHOLE | E/E | EDGE TO EDGE OF ASPHALT |
| AIO | AREA INLET | W | WATER LINE |
| CIO | CURB INLET | W | WATER METER |
| co ^O | SANITARY SEWER CLEAN OUT | 8 | WATER LINE GATE VALVE |
| DS ^O | DOWN SPOUT | | |
| \square | FLARED END SECTION | Θ | BUSH |
| -s | SANITARY SEWER LINE | E. | DECIDUOUS TREE |
| -D | STORM SEWER LINE | CONC | CONCRETE |
| CMP | CORRUGATED METAL PIPE | _{FP} o | FLAG POLE |
| RCP | REINFORCED CONCRETE PIPE | E | ELECTRIC METER |
| -E | UNDERGROUND ELECTRIC | EP | UNDERGROUND ELECTRIC PEDES |
|) -ou | OVERHEAD UTILITY LINE (# OF LINES) | ——G(R)—— | UNDERGROUND GAS PER RECORD |
| Ρ | PULL BOX | —————————————————————————————————————— | SANITARY SEWER LINE PER RECO |
| ¢ | LIGHT POLE | D(R) | STORM SEWER LINE PER RECORD |
| -[]- | UTILITY POLE | | ASPHALT PAVEMENT (040) |
| -D- LP | UTILITY POLE W/ LIGHT | | CONCRETE SIDEWALK (055) |
| Ð | UTILITY POLE W/ TRANSFORMER | | TURF |
| W(R) | WATER LINE PER RECORD | ***** | |
| E(R) | UNDERGROUND ELECTRIC PER RECORD | L R | |
| A | ASPHALT EDGE TREATMENT. | | RAMP LIMITS OF DISTURBANCE |
| | SEE SECTION THIS SHEET. | | RED FIRE LANE STRIPING |
| A | | | RED THE LARE STRIFING |
| | | | |

NOTES:

WESTERN EXTENTS OF GRAVEL SURFACE TO ABUT UTILITY VAULT. DISTURBED AREA SHALL BE FERTILIZED, MULCHED AND SEEDED WITH A THREE WAY BLEND OF TALL TURF TYPE FESCUE. (REFER TO SEEDING REQUIREMENTS ON SHEET W-C900.) ALL SEEDED AREAS WITHIN 10' OF SIDEWALKS AND BUILDING, WITHIN 5' OF STORM OUTFALLS AND ON SLOPES STEEPER THAN 4:1 SHALL BE PROTECTED WITH A TYPE 2 EROSION CONTROL BLANKET (NORTH AMERICAN GREEN S75BN OR APPROVED EQUAL.) CONCRETE STOOP (REFERENCE STRUCTURAL PLANS.)

8 SIDEWALK RAMP. (REFERENCE ARCHITECTURAL PLANS FOR FINAL LAYOUT AND DIMENSIONS.) PROPOSED FENCING. (REFERENCE ARCHITECTURAL PLANS FOR HEIGHTS,

MATERIALS AND DETAILS.) 9A RELOCATED TURNSTILE (REFERENCE ARCHITECTURAL PLANS FOR DETAILS.) 12 PARKING LOT STRIPING (MATCH EXISTING COLOR. SEE SPECIFICATIONS ON

SHEET W-C905) 13 PAINT CURB RED TO DENOTE FIRE LANE. CONFIRM LIMITS WITH FIRE

DEPARTMENT. (SEE SPECIFICATIONS ON SHEET W-C905)

15 SITE SIGNAGE. MOUNT EDGE OF SIGN 2' FROM BACK OF CURB AT 7'-0" IN ACCORDANCE WITH MUTCD.

17 ACCESS GATE (REFERENCE ARCHITECTURAL PLANS FOR HEIGHTS, MATERIALS AND DETAILS.) 40 CAST IN PLACE CONCRETE WALL (REFER TO STRUCTURAL PLANS.)

60 PROPOSED OR MODIFIED STORM SEWER STRUCTURE (SEE SHEET W-C500.) PROPOSED BLEACHER 70 SANITARY SEWER STRUCTURE (SEE SHEET W-C500.) EXTENSION

ALIGN WITH FENCE 9

LIMITS OF

DISTURBANCE

8' WIDE DOUBLE GATE

SOUTH TO THE EXISTING 9

EXTENTS POSSIBLE.

FENCE LINE. FOLLOW LEVEL

GRADE TO THE MAXIMUM

 $\left< \underline{6} \right>$

 $\left< 6 \right>$

8

80 WATER STRUCTURE (SEE SHEET W-C500.) 95 PROPOSED TRANSFORMER ON HOUSEKEEPING PAD/ELECTRICAL

APPURTENANCE. COORDINATE WITH MEP PLANS.

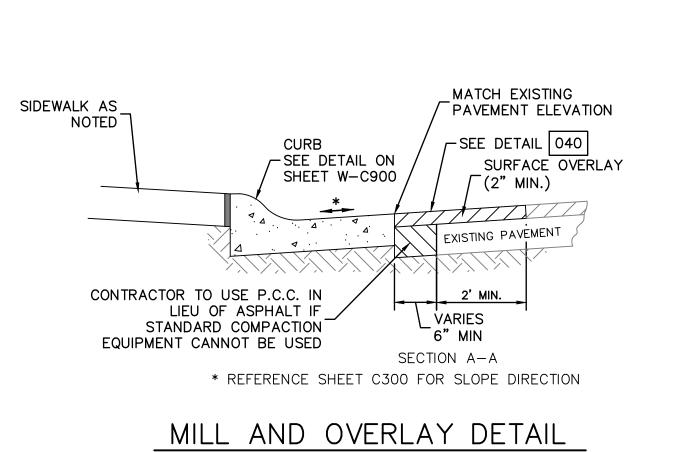
DETAILS - SEE DETAIL SHEET W-C900 AND W-C905 FOR THE FOLLOWING DETAILS

001 CONCRETE CURB & GUTTER 002

ZERO HEIGHT CURB & GUTTER 005 INTEGRAL SIDEWALK & CURB ASPHALT PAVEMENT

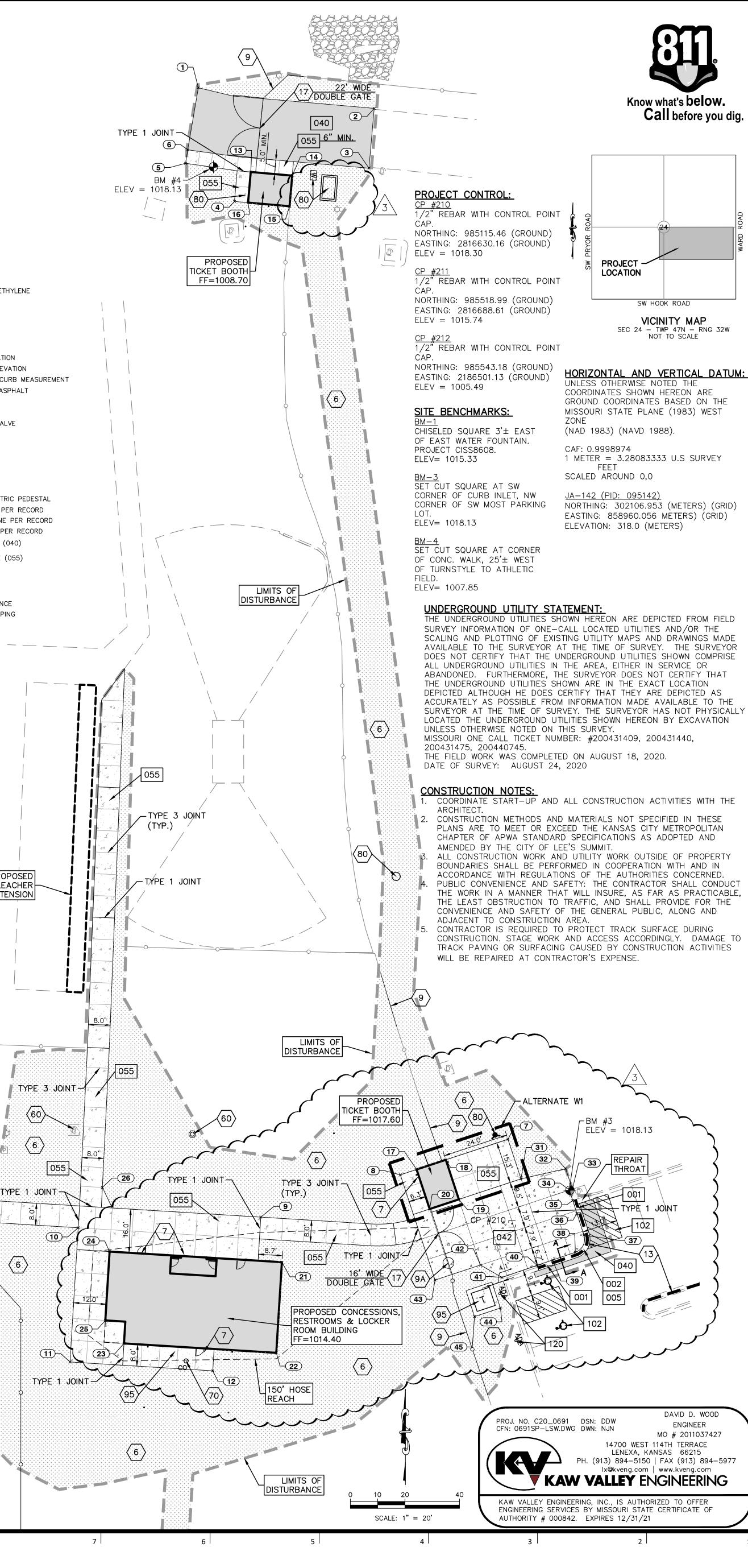
- 040 CONCRETE PAVEMENT 042 043
- AGGREGATE SURFACE CONCRETE SIDEWALK 055
- 102 ADA STRIPING 120 ADA SIGNAGE

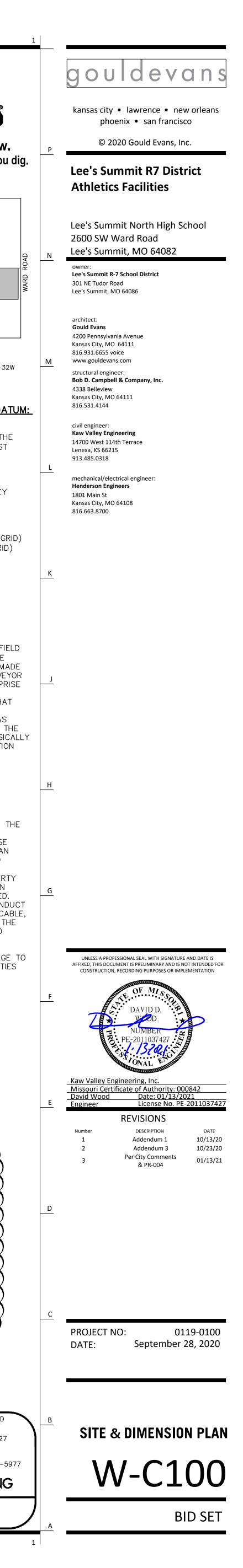
CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF ENTRANCE, SLOPED PAVING, EXIT PORCHES, RAMPS, PRECISE BUILDING DIMENSIONS AND EXACT BUILDING UTILITY ENTRANCE LOCATIONS. THESE PLANS HAVE NOT BEEN VERIFIED WITH FINAL ARCHITECTURAL CONTRACT DRAWINGS. CONTRACTOR SHALL VERIFY AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES. CONTRACTOR IS FULLY RESPONSIBLE FOR REVIEW AND COORDINATION OF ALL DRAWINGS AND

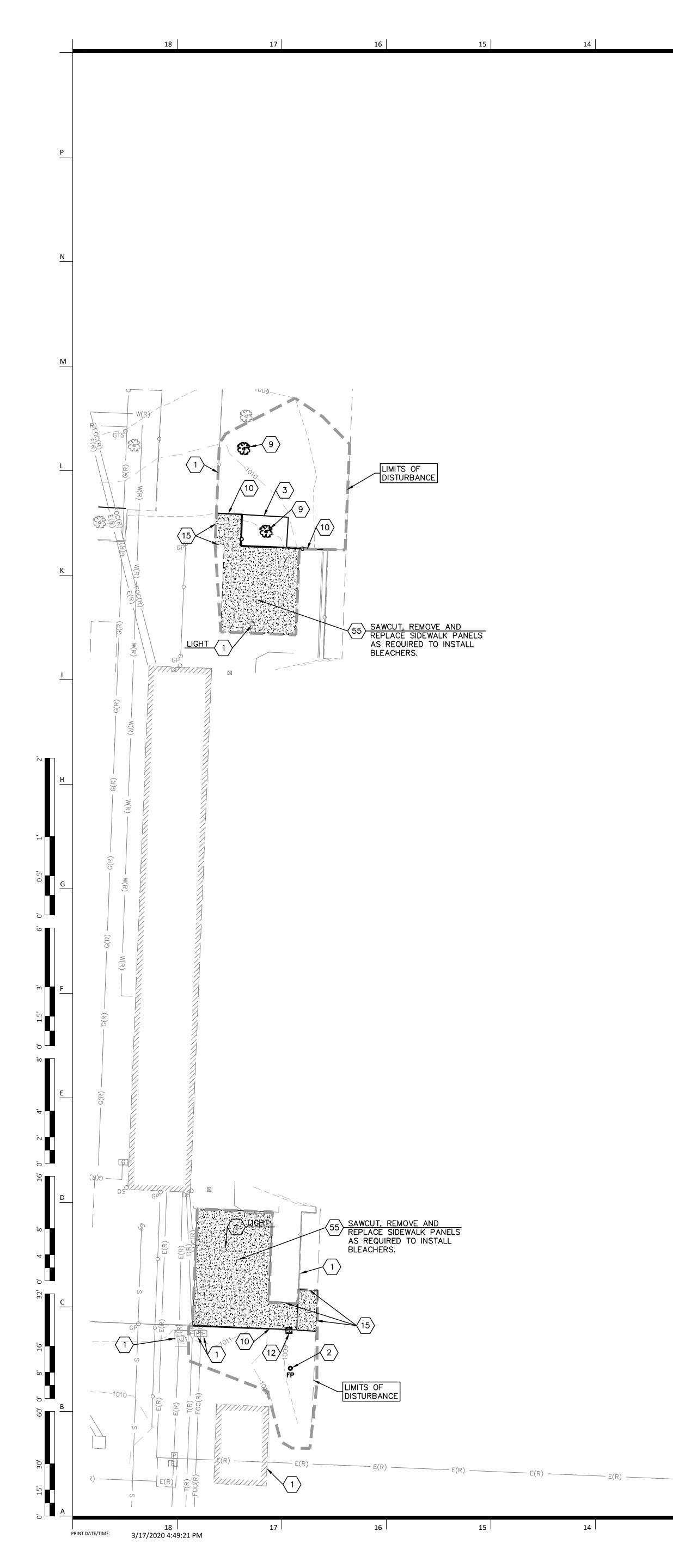


11

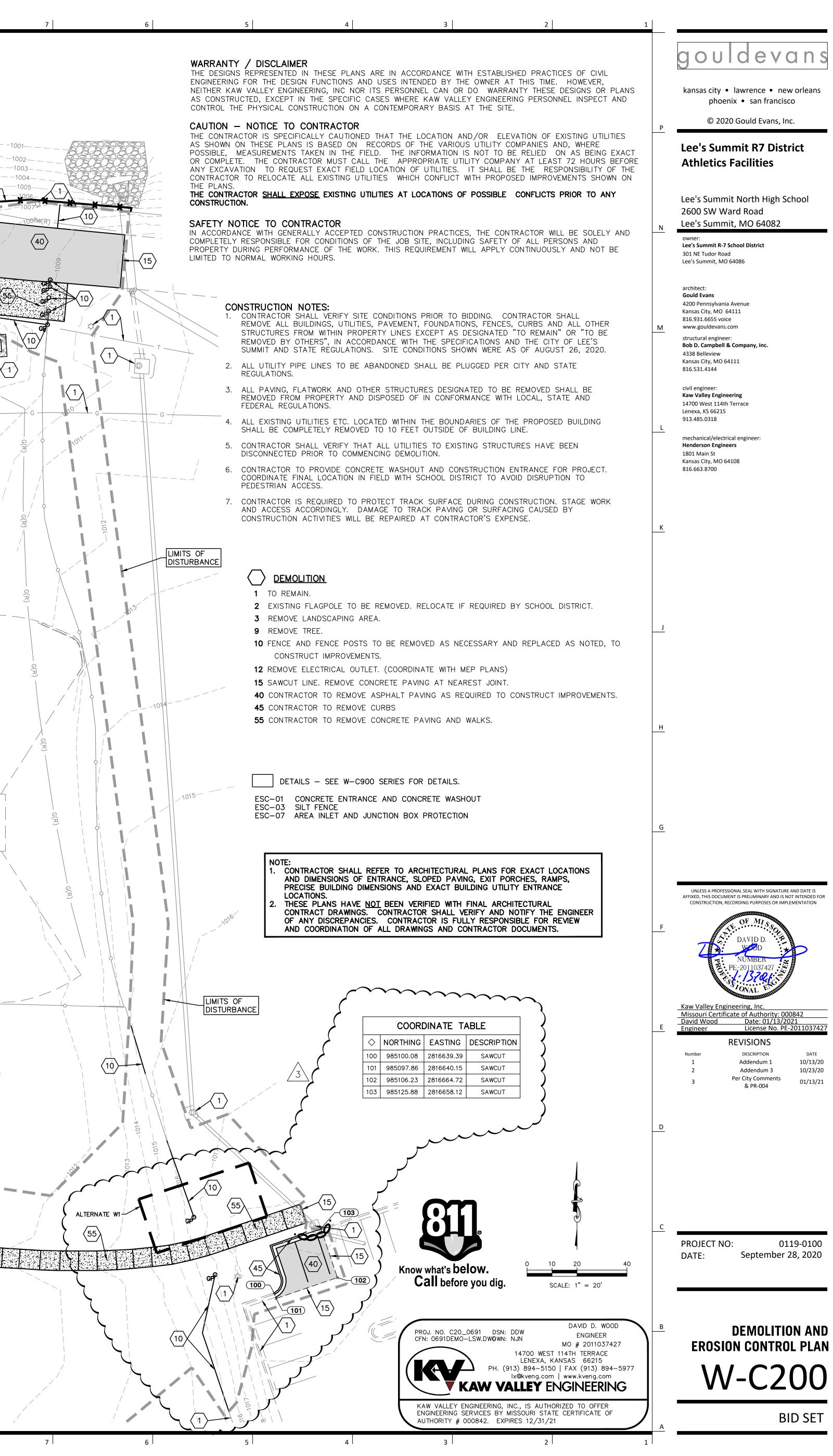


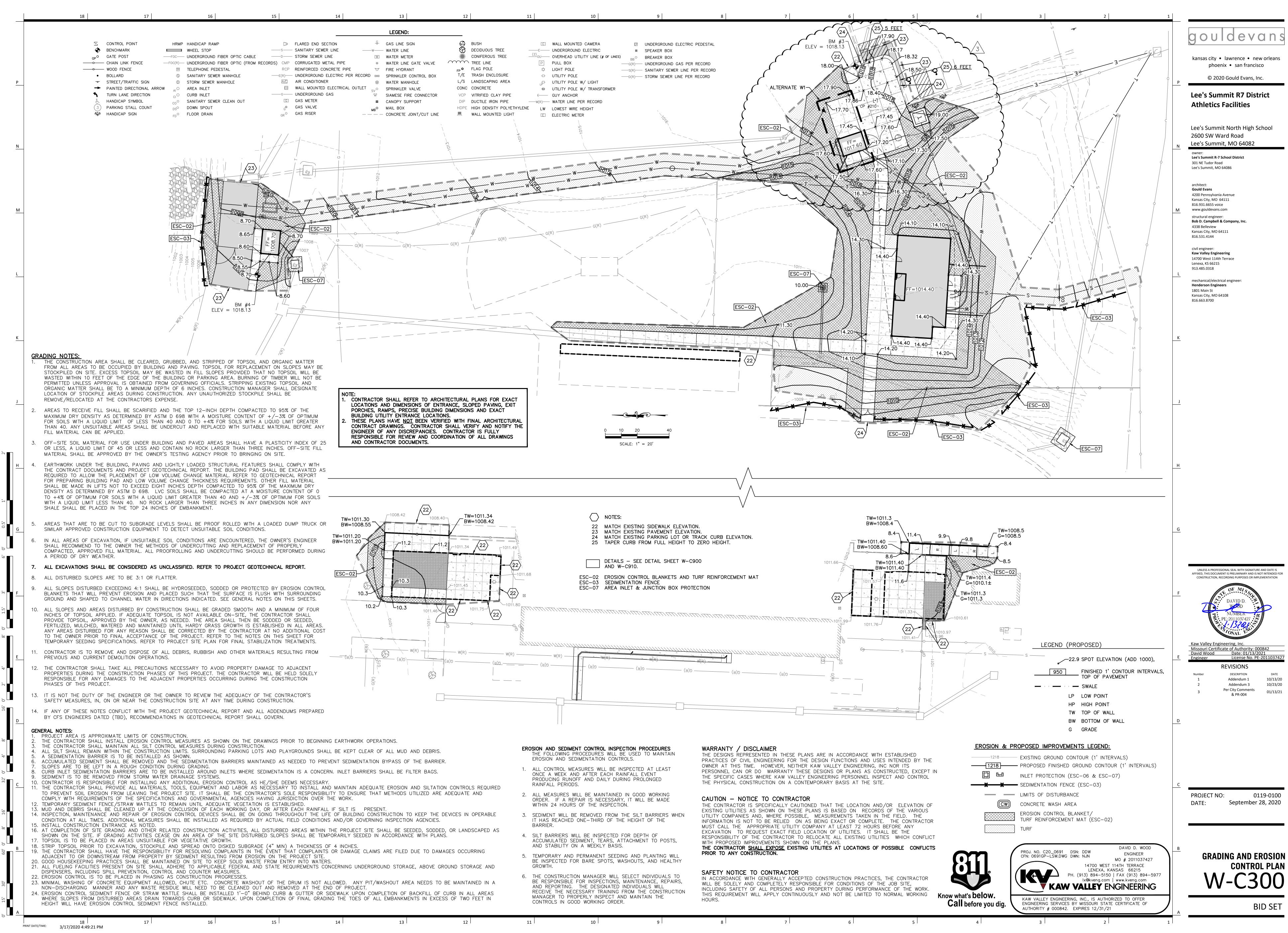


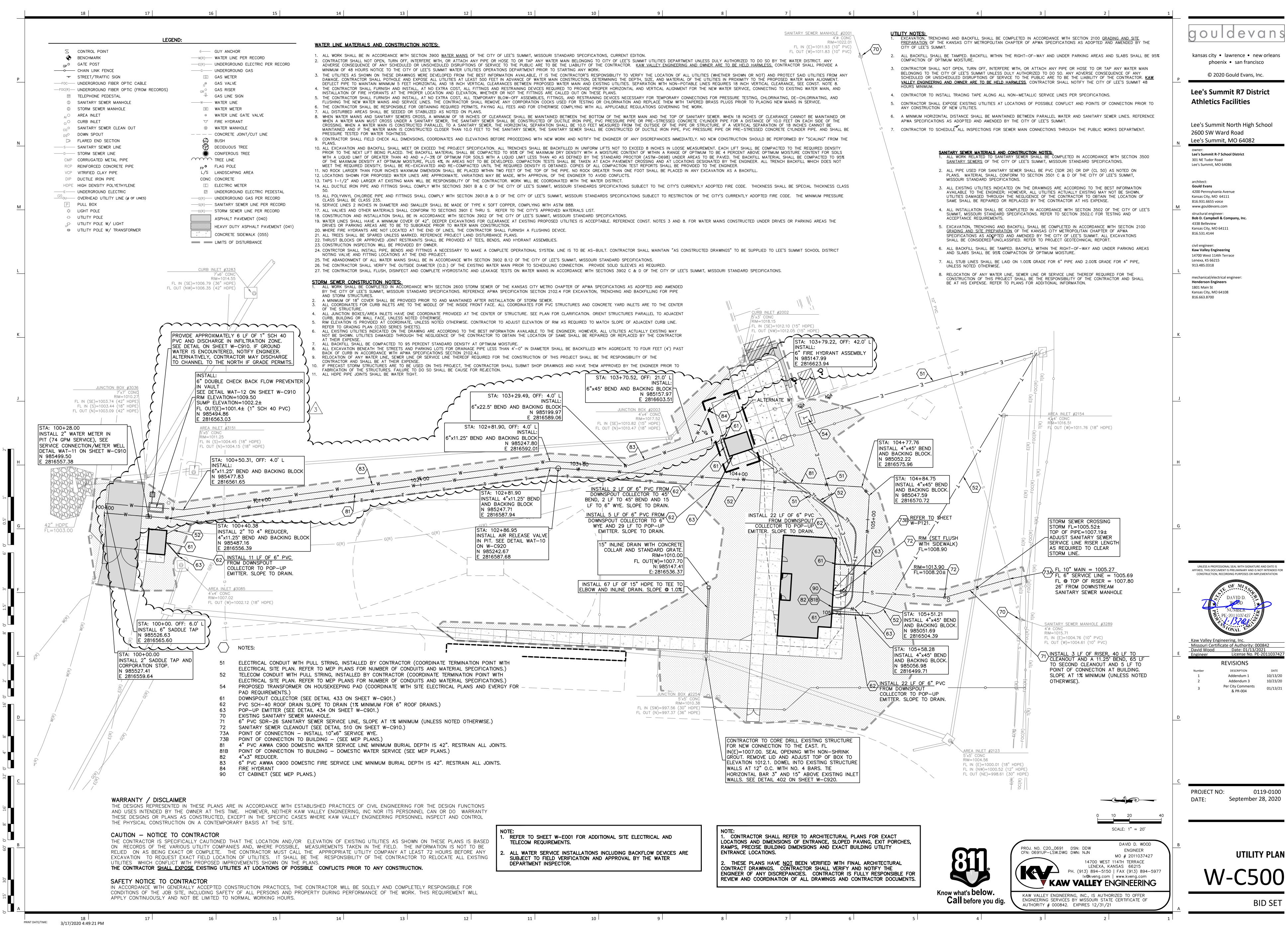




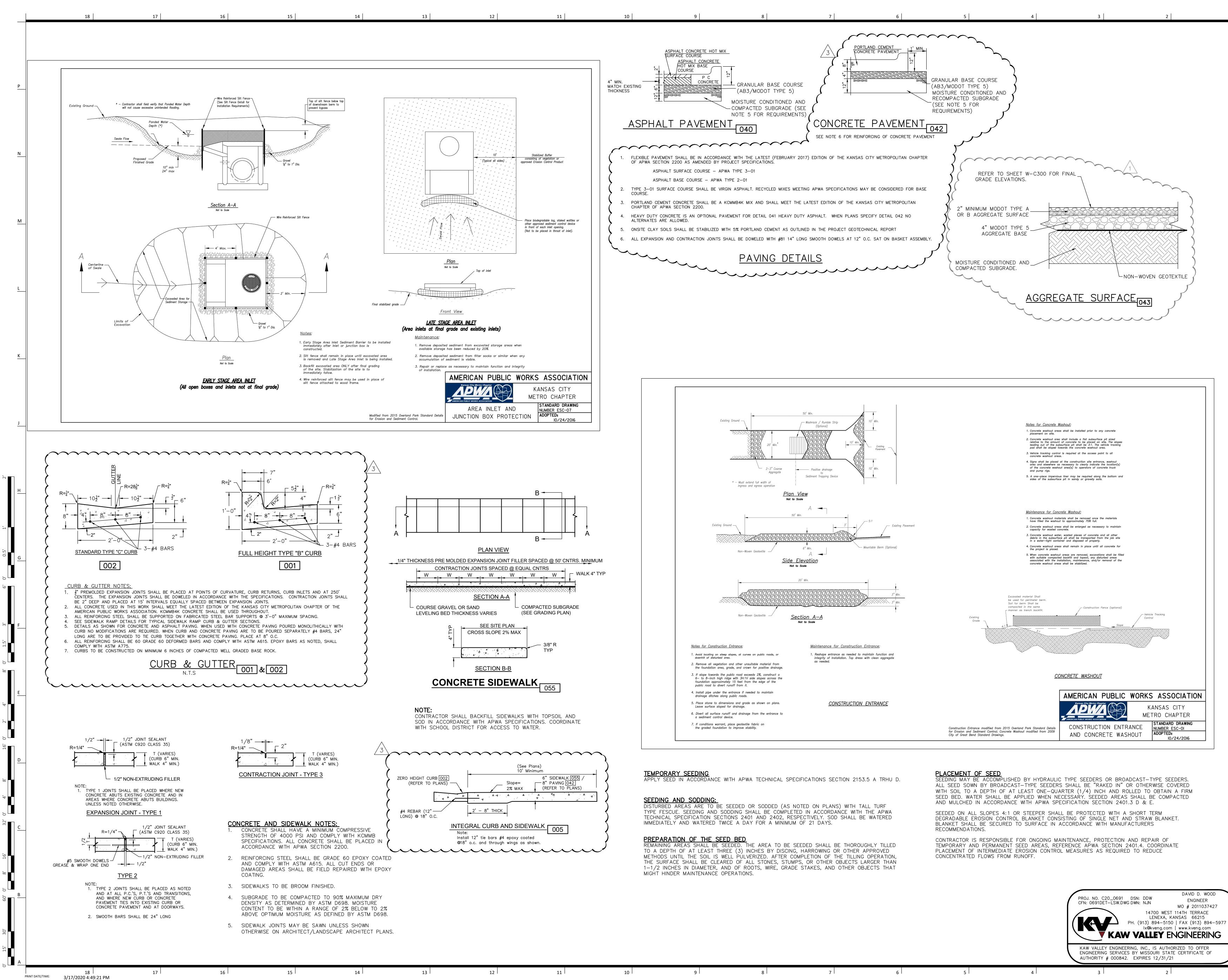
| 13 | 12 | 11 | 10 | 9 | 8 |
|-------------|--|--|--|--|---|
| | →FOC(R)→ UNDERGROUND TELEPHONE PEL SANITARY SEWE STORM SEWER AIO AREA INLET CIO CURB INLET CO^O SANITARY SEWE DS^O DOWN SPOUT FD^O FLOOR DRAIN FLARED END SE S-S SANITARY SEWE D-S STORM SEWER CMP CORRUGATED M RCP REINFORCED CO E-UNDERGROUND (2) OU→ OVERHEAD UTIL P PULL BOX ↓ LIGHT POLE ↓ UTILITY POLE ↓ UTILITY POLE | NCE C SIGN FIBER OPTIC CABLE FIBER OPTIC (FROM RECORDS) DESTAL R MANHOLE | HDPE HIGH DENSITY POLYETHY GAS VALVE GAS RISER GAS LINE SIGN DE DOOR ELEVATION AT THRESHOLD FF FINISH FLOOR ELEVATION BHE BUILDING HEIGHT/ELEVA B/B BACK TO BACK OF CUR E/E EDGE TO EDGE OF ASP W WATER LINE W WATER LINE W WATER METER WATER LINE GATE VALVE BUSH DECIDUOUS TREE T/E TRASH ENCLOSURE L/S LANDSCAPING AREA CONC CONCRETE FP FLAG POLE FF ELECTRIC METER UNDERGROUND ELECTRIC L LANDING R RAMP (R) UNDERGROUND GAS PER (R) SANITARY SEWER LINE F (R) STORM SEWER LINE PER ASPHALT PAVING TO BE | N TION B MEASUREMENT HALT E //////////////////////////////////// | (R) (R) (R) (R) (R) (T) |
| | 1218 EX 1218 PR • • • • • • • • • • • • • • • • • • • | POSED IMPROVEMENTS LEGE ISTING GROUND CONTOUR (ROPOSED FINISHED GROUND RAVEL FILTER BAGS DIMENTATION FENCE NSTRUCTION ENTRANCE ITS OF DISTURBANCE NCRETE WASH AREA | 1' INTERVALS) | | |
| | | | | | |
| —— E(R) ——— | —— E(R) ———— | LIMITS O DISTURB | | | SEE SHEET C500 OR MODIFICATIONS |
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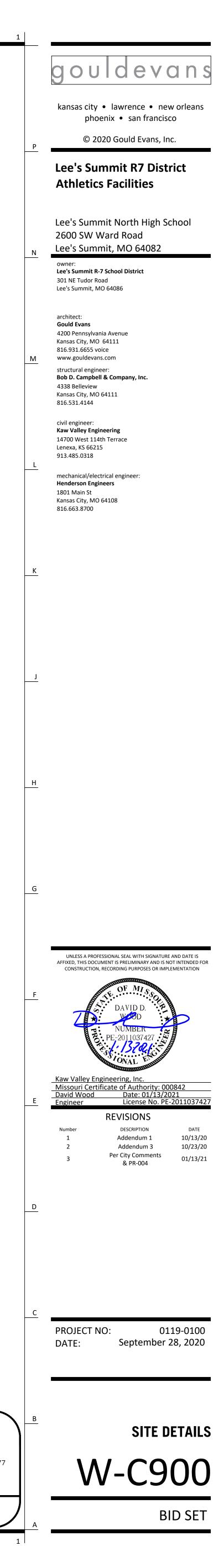


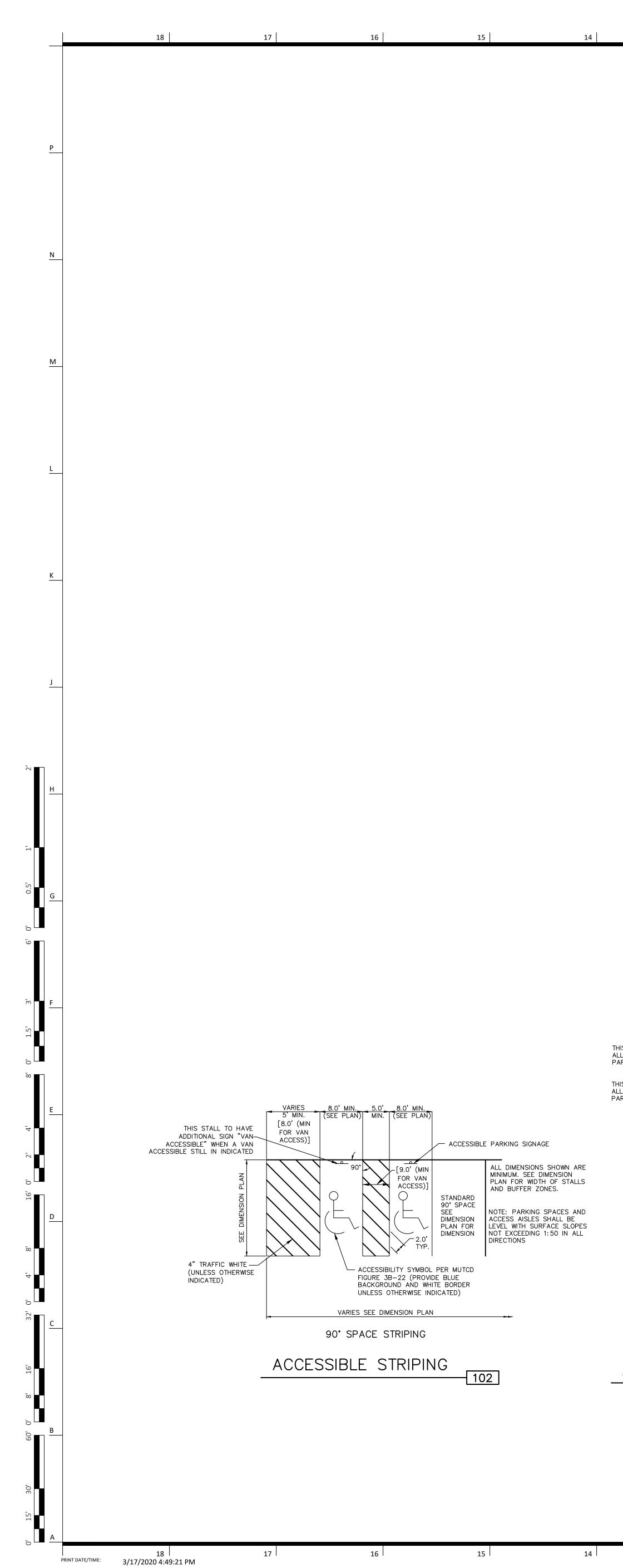




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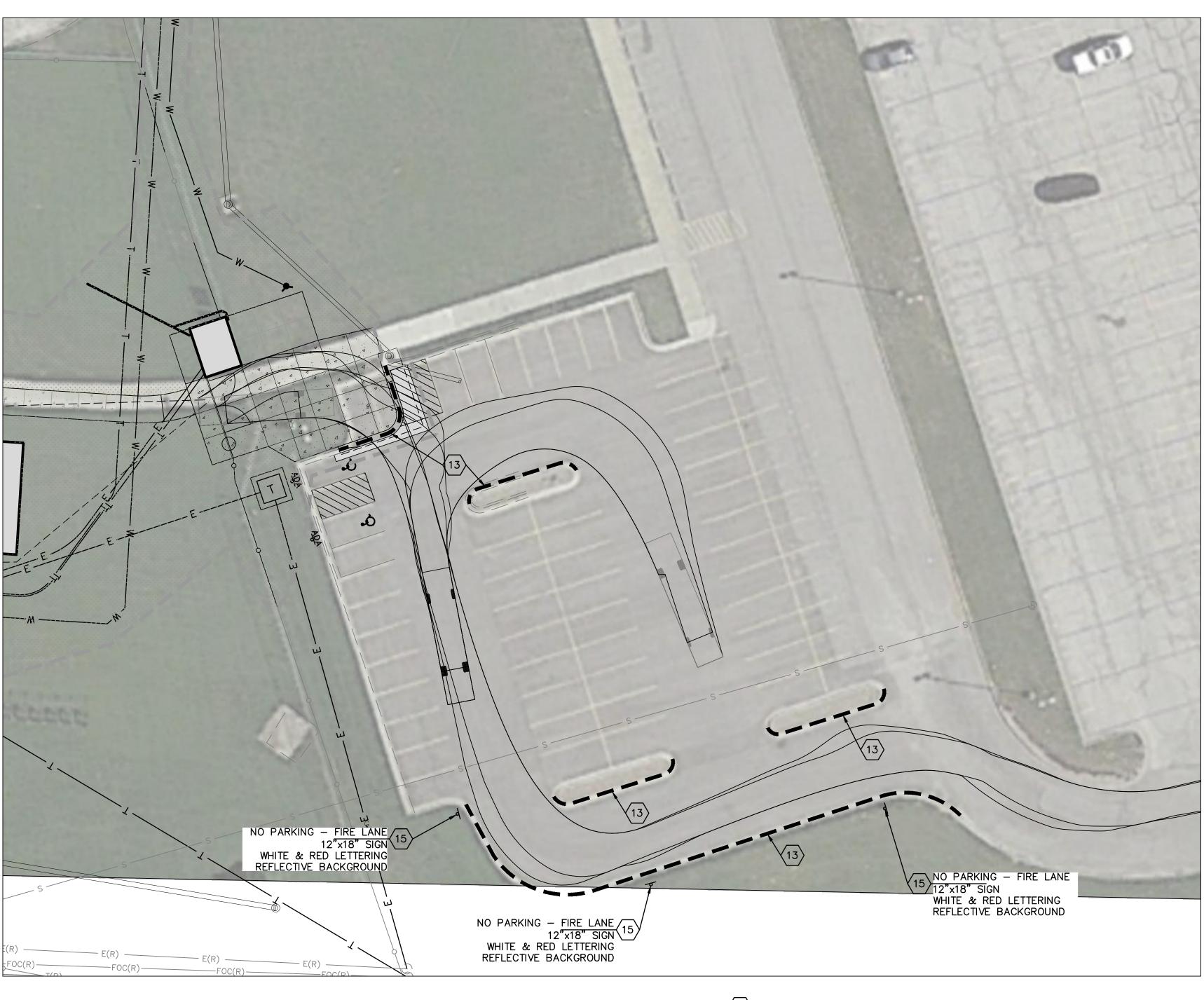


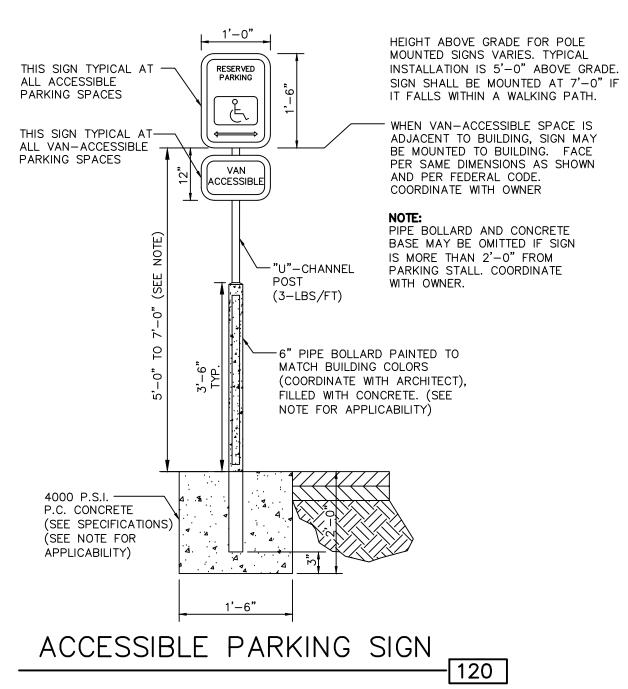












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13 PAINT CURB RED TO DENOTE FIRE LANE. CONFIRM LIMITS WITH FIRE DEPARTMENT. (SEE SPECIFICATIONS THIS SHEET) 15 SITE SIGNAGE. MOUNT EDGE OF SIGN 2' FROM BACK OF CURB AT 7'-0" IN ACCORDANCE WITH MUTCD.

3

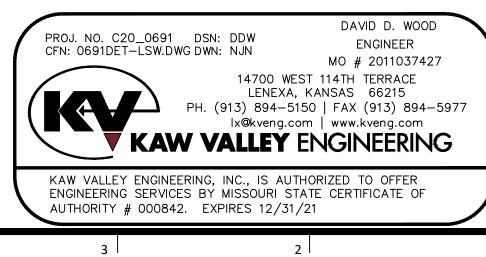
2

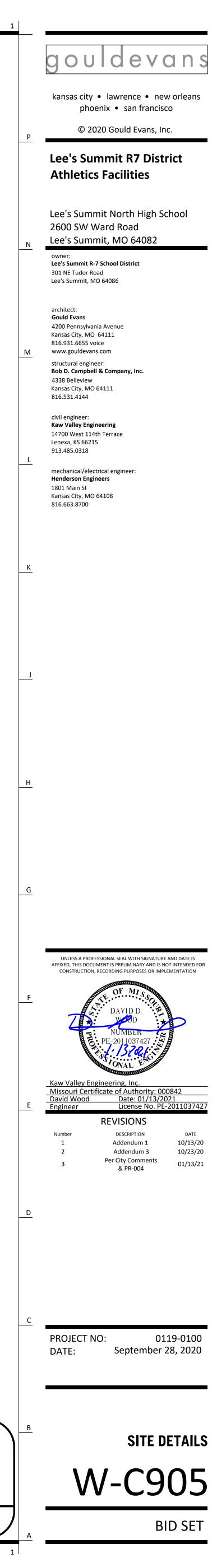
PAVEMENT MARKING SPECIFICATIONS: PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE CITY OF KANSAS CITY, MISSOURI CHAPTER OF THE AMERICAN PUBLIC WORKS ASSOCIATION SPECIFICATIONS SECTION 2306 AS ADOPTED AND AMENDED BY THE CITY OF LEE'S SUMMIT.

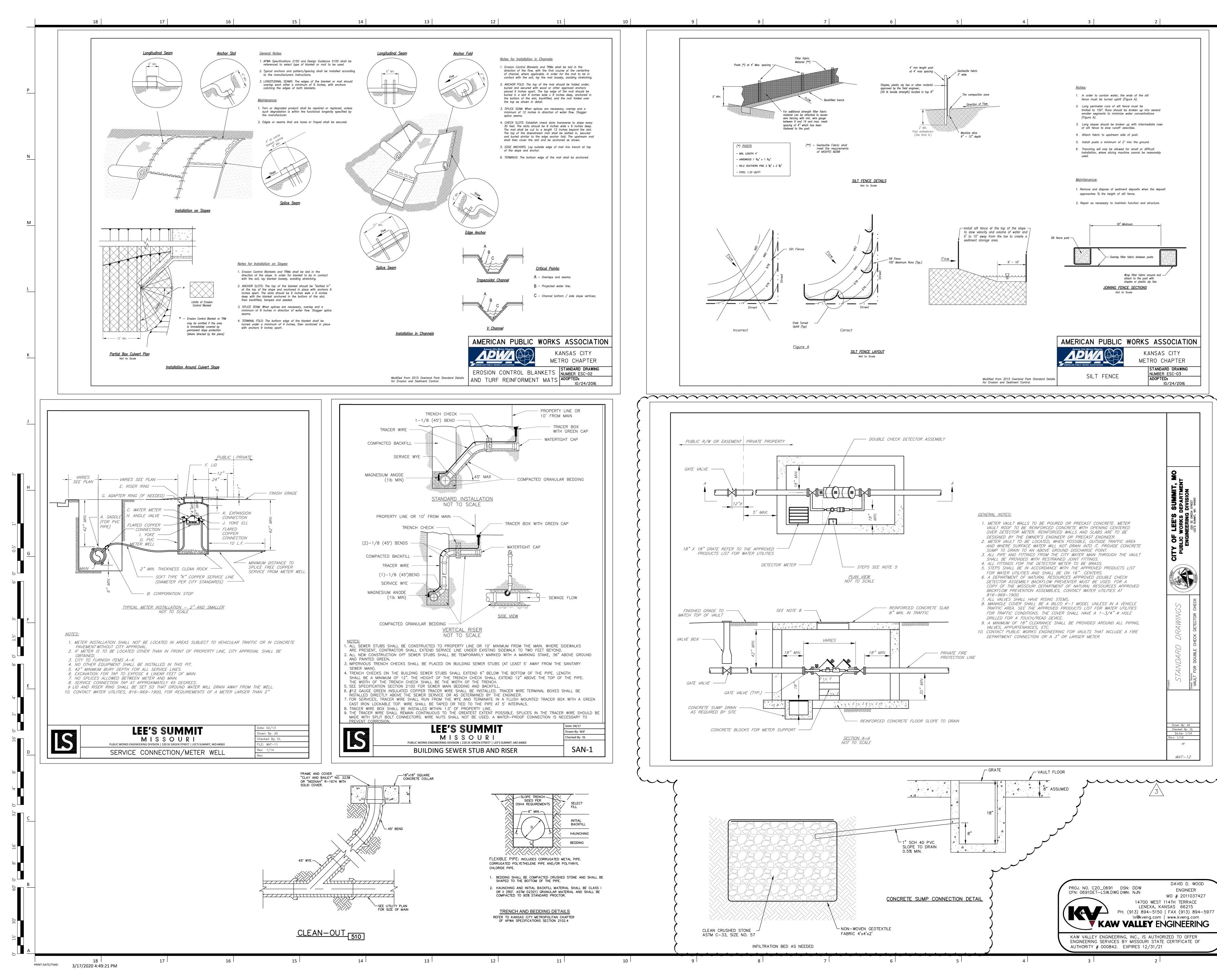


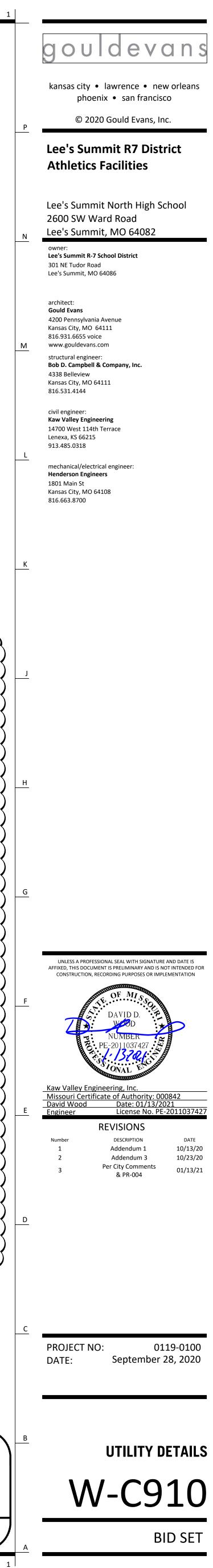
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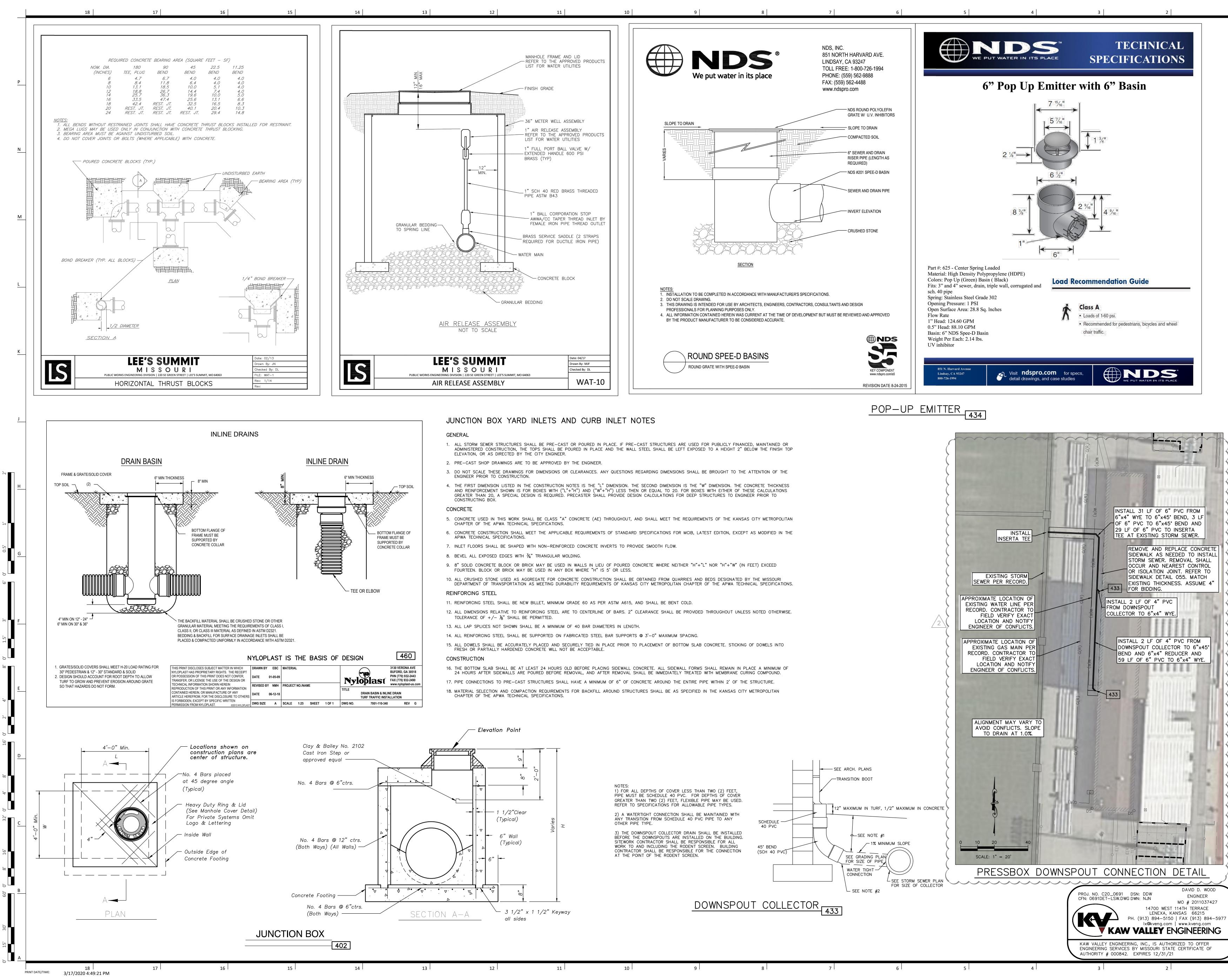
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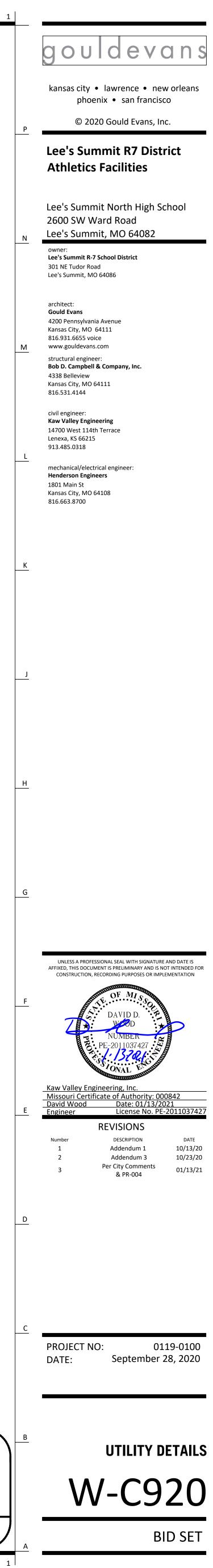


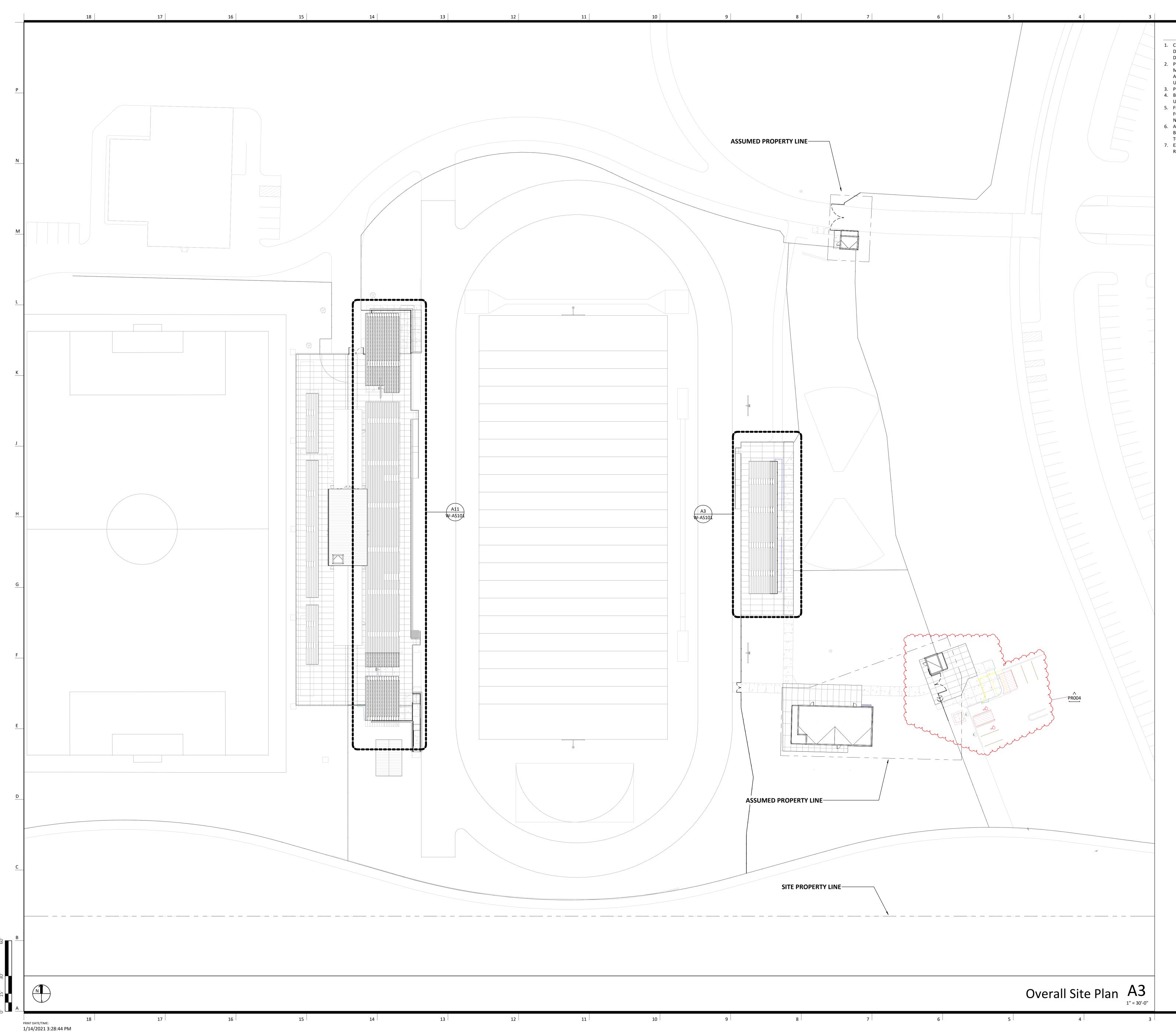






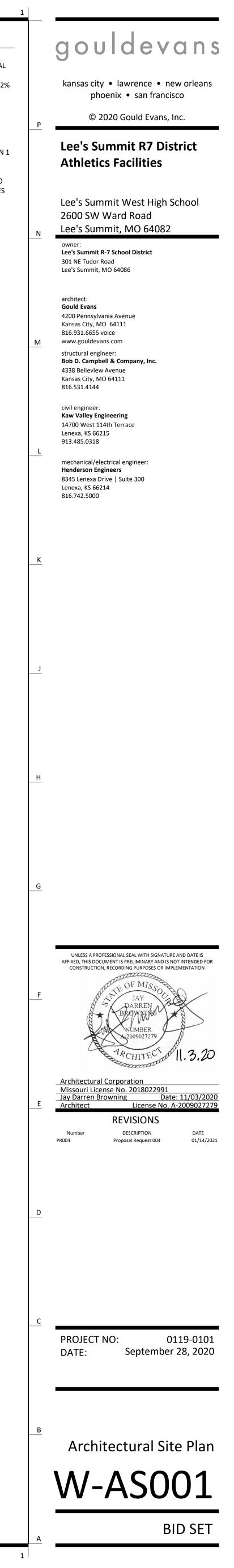


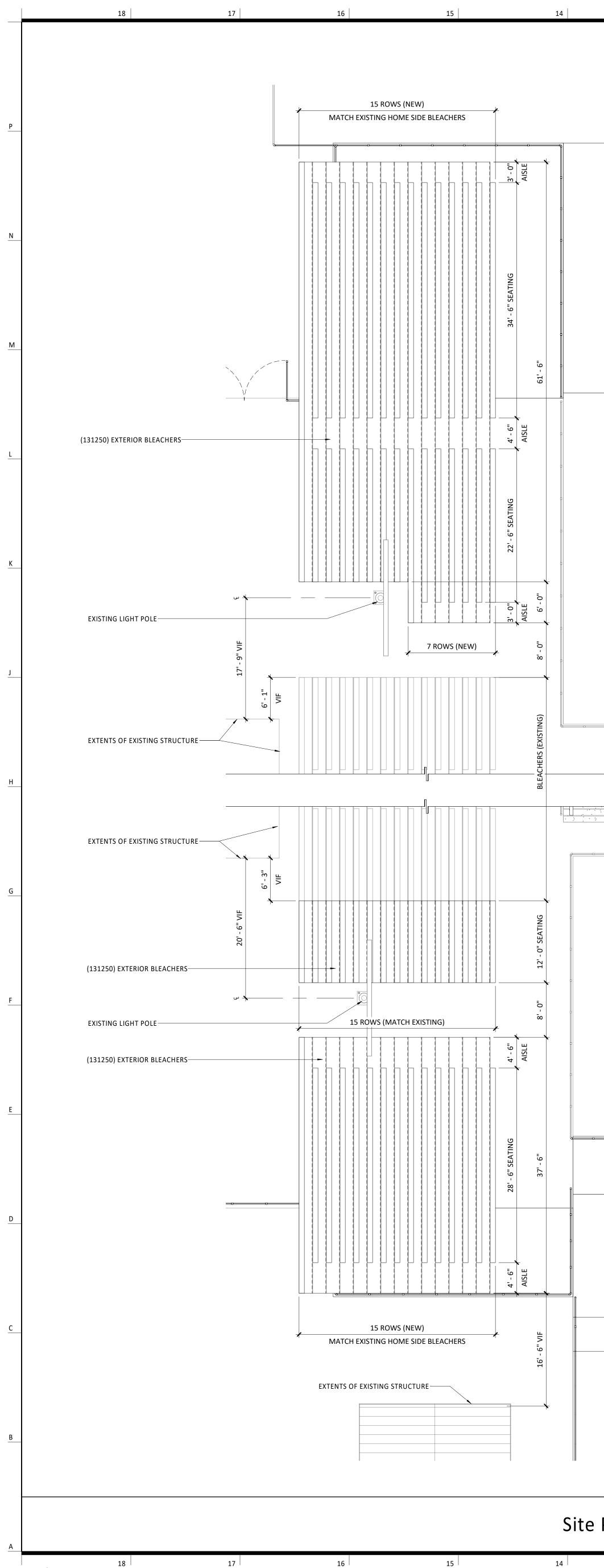




General Notes (Site Plan): 1. COORDINATE ALL SPOT ELEVATIONS AND DIMENSIONS WITH CIVIL/LANDSCAPE/STRUCTURAL

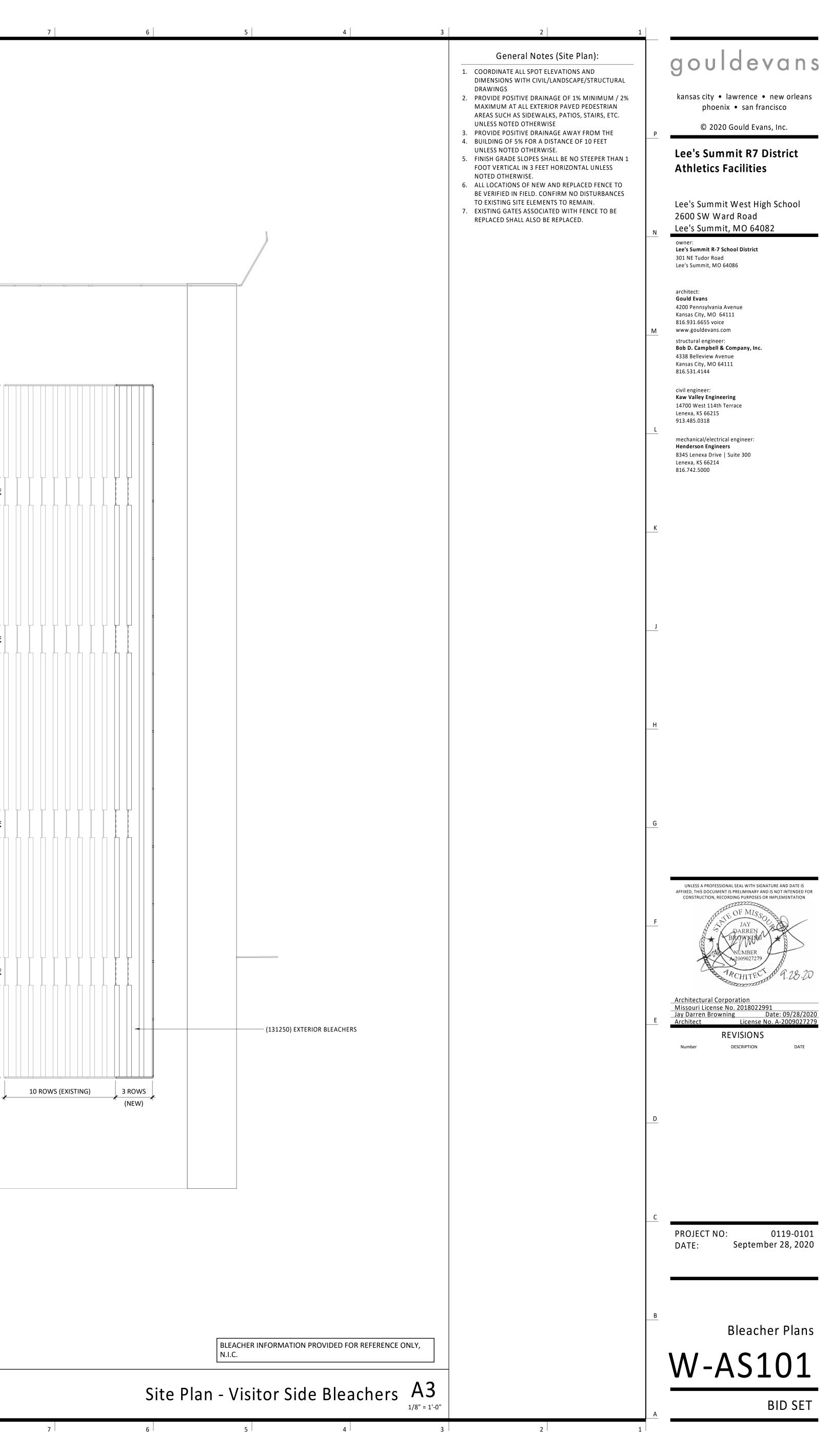
- DRAWINGS 2. PROVIDE POSITIVE DRAINAGE OF 1% MINIMUM / 2% MAXIMUM AT ALL EXTERIOR PAVED PEDESTRIAN AREAS SUCH AS SIDEWALKS, PATIOS, STAIRS, ETC.
- UNLESS NOTED OTHERWISE 3. PROVIDE POSITIVE DRAINAGE AWAY FROM THE
- 4. BUILDING OF 5% FOR A DISTANCE OF 10 FEET UNLESS NOTED OTHERWISE. 5. FINISH GRADE SLOPES SHALL BE NO STEEPER THAN 1
- FOOT VERTICAL IN 3 FEET HORIZONTAL UNLESS NOTED OTHERWISE. 6. ALL LOCATIONS OF NEW AND REPLACED FENCE TO BE VERIFIED IN FIELD. CONFIRM NO DISTURBANCES
- TO EXISTING SITE ELEMENTS TO REMAIN. 7. EXISTING GATES ASSOCIATED WITH FENCE TO BE REPLACED SHALL ALSO BE REPLACED.

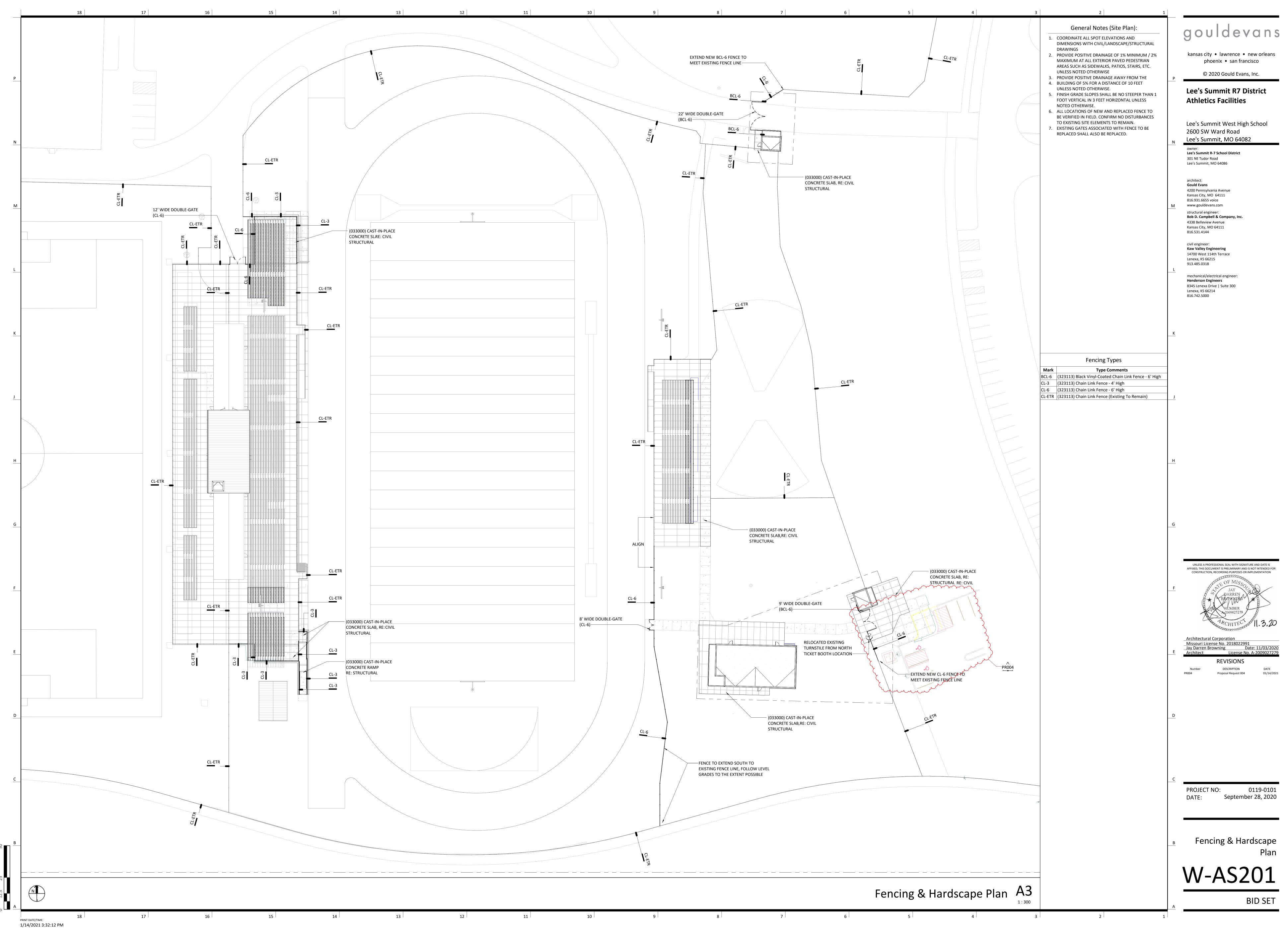




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|---|---|----------|----------------------------|-------------|---------------------------------------|
| | GENERAL NOTES - STRUCTURAL | | | | |
| | 1. General Information | Ę | 5. S | Stru | uctural s |
| | A. The contractor shall verify dimensions and conditions before construction and notify the engineer of any discrepancies, inconsistencies, or difficulties affecting the work | , | | A. | All struct miscellar |
| Р | before proceeding. B. The contractor shall coordinate all disciplines, verifying size and location of all openings, whether shown on structural drawings or not, as called for on architectural | al | | | where pla be ASTM AISC 303 |
| | mechanical, or electrical drawings. In the case of work in an existing building the contractor shall scan existing structure to locate all rebar in the area of the new | 11, | | | 13th Edit All weldir All exteri |
| | core/opening using ground penetrating radar and notify the engineer of record for review prior to coring/cutting. Conflicts, inconsistencies, or other difficulties affecting structural work shall be called to the architect or engineer's attention for direction | J | | | All bolts All bolts |
| | before proceeding. C. All design and construction work for this project shall conform to the requirements of the following governing design codes: | f | | | AISC Ma reactions account |
| | International Building Code (IBC 2018) as amended by the city of Lee's Summit, MO Minimum Design Loads for Buildings and Other Structures (ASCE7-16) | | | | support. All conne specifica |
| N | 3.) Specification for Structural Steel Buildings (AISC 360-16) Member Design Basis is Allowable Stress Design (ASD) Connection Design Basis is Allowable Stress Design (ASD) | | | | connection plates or shall be of |
| | 4.) Structural Welding Code (AWS D1.4-2017) 5.) Building Code Requirements for Structural Concrete (ACI 318-14) 6.) Building Code Requirements for Masonry Structures (ACI 530-13/TMS 402-16) | | | F | the state bear his/ All ancho |
| | North American Specification for the Design of Cold-Formed Steel Structural Members (AISI S100-16) | | | _ . | Washers the AISC |
| | 8.) National Design Specification (NDS) for Wood Constriction with 2018 Supplements (ANSI/AWC NDS-2018) 9.) Special Design Provisions for Wind and Seismic (AWC SDPWS-2015) | | | F. | Washers shall be Design, f |
| М | D. These drawings are for this specific project and no other use is authorized. | | | | recomme loads giv load of 2 |
| | 2. Structural Load Design Criteria | | | | reinforcir All K-ser the bean |
| | A. Floor Live = 100 psf B. Roof Live = 20 psf C. State Provide Ff. 44 of the 100 Oct. 100 Oct. 100 Different 0005/0517 | | ļ | H. | All K-ser in bond b wall on th |
| | C. Snow: Pg = 20psf, Pf =14psf, Is = 1.0, Ce = 1.0, Ct = 1.0, Drift per ASCE/SEI 7 D. Lateral Loads: Wind: V = 109 mph, Exposure B | | | I. | to beams All steel Specifica |
| | Occupancy [Risk] Category II, Iw=1.0 GCpi=+/-0.18 Design wind pressures to be used for the design of exterior component and cladding materials on the designated zones of wall and roof surfaces shall | | | J. | where jo bottom. Steel jois |
| L | be per section 30.7 and Table 30.7-2 of ASCE/SEI 7. Tabulated pressures shall be multiplied by effective area reduction factors, exposure adjustment factors, and topographic factors where applicable | | | | Pressure All openi mechani |
| | 2.) Seismic: Ss = 0.114, S1 = 0.067 Occupancy [Risk] Category II, le=1.0, Site Classification D; Sds = 0.121; Sd1 = 0.107 | | | | angles (l point) lai |
| | Seismic Design Category B Basic Seismic Force-resisting System: Bearing Wall Systems - Ordinary reinforced masonry shear walls | | | | joist pan All steel by the St |
| | Equivalent Lateral Force Procedure R = 2; V = 0.0605W; Omega = 21/2; Cd=13/4 E. This project is designed to resist the most critical effects resulting from the load | | | | Design a Steel De Allow 1.0 |
| | combinations of section 1605.3 of the International Building Code. | | | | engineer to be inc galvanize |
| K | 3. Concrete | | | | - |
| | A. All concrete for foundations (walls, grade beams, footings and piers) shall develop minimum ultimate compressive design strength of 3500 psi in 28 days, but not less than 500 pounds of cement shall be used per cubic yard of concrete | (| 6. F | 2 05 | st Instal |
| | regardless of strengths obtained, not over 6 gallons of water per 100 pounds of cement and not over 4 inches of slump. | | 1 | A. | Post-inst |
| | B. All concrete for interior flatwork <u>(without floor covering)</u> shall develop minimum ultimate compressive design strength of 4000 psi in 28 days, but not less than 525 pounds of cement shall be used per cubic yard of concrete regardless of | | | | approved spacing a specified |
| J | strengths obtained, not over 5.75 gallons of water per 100 pounds of cement and not over 4 inches of slump. Concrete mix shop drawing shall contain testing data proving concrete design mix shrinkage is less than 0.034% at 28 days when | | | | required an ICC-E installed |
| | tested according to ASTM C157 (air drying method only). C. All concrete for interior flatwork <u>(with floor covering)</u> shall develop minimum ultimate compressive design strength of 4000 psi in 28 days, but not less than | | [| B. | installed team on Mechani |
| | 540 pounds of cement shall be used per cubic yard of concrete regardless of strengths obtained, not over 5.40 gallons of water per 100 pounds of cement and not over 4 inches of slump. Concrete mix shop drawing shall contain testing data | | | C. | tested ar anchors Adhesive |
| | proving concrete design mix shrinkage is less than 0.034% at 28 days when tested according to ASTM C157 (air drying method only). D. All concrete for exterior flatwork shall have a minimum design compressive | | | | and qual installed Mechani |
| | strength of 4500 psi in 28 days, with not less than 560 pounds of cement per cubic yard of concrete, not over 5 gallons of water per 100 pounds of cement, with 6% +/- 1% air entrainment, and a maximum of 4 inches of slump. | | | | qualified per the a |
| H | F. The preceding minimum mix requirements may have water-reducing admixtures conforming to ASTM C494 added to the mix at manufacturer's dosage rates for improved workability. | | | | qualified per the a Anchors |
| | G. The preceding minimum mix requirements may have up to 15% maximum of the cement content replaced with an approved ASTM C618 Class C fly ash, provided the total minimum cementitious content is not reduced. | | | | accordar shall be i |
| | H. Combined aggregate (coarse plus fine) for all concrete shall be well graded from coarsest to finest with no more than 18 percent and not less than 8 percent | ζ' | ∠ <u>'</u> ∖ ~~ 7. F | ∽~ יסנ | appropria |
| | retained on an individual sieve, except that less than 8 percent may be retained on coarsest sieve and on No. 50 and finer sieves. Submit this gradation report with the concrete mix design shop drawings. | ξ | , | A. | The soil i number i |
| G | I. All interior concrete slabs on grade shall be placed over 15 mil, Class A Vapor Barrier per ASTM E1745 with less than 0.01 perms, tested after mandatory conditioning. All joints shall be lapped and sealed per manufacturer's | ž | I | В. | Spread for are designed |
| | recommendations. All penetrations, as well as damaged vapor barrier material shall also be sealed per manufacturer's recommendation prior to concrete placement. Install barrier per manufacturer recommended details at all | } } | | ~ | sustainin locations sustainin |
| | discontinuous edges (at interior columns, exterior edge of slab, etc.) to ensure terms of warranty are followed. The vapor barrier shall be placed over free- draining granular material as prescribed by the project soils report. | ł | | | Retaining fluid pres Contract |
| | J. All concrete is reinforced concrete unless specifically called out as unreinforced. Reinforce all concrete not otherwise shown with same steel as in similar sections or areas. Any details not shown shall be detailed per ACI 315 and meet | Ę | I | E. | seepage All found by the ar |
| | requirements of ACI 318, current editions.K. Control joints in dirt formed slab to be as shown on plans. Where not shown, limit controlled areas to not more than 144 square feet, or 12 feet on any side. | ž | | | This insp All concr design st |
| F | Slab panel side ratio shall not exceed 1 1/2 to 1. L. Contractor shall verify that all concrete inserts, reinforcing and embedded items are correctly located and rigidly secured prior to concrete placement. | ξ | | G. | Moisture after foot subgrade |
| | M. Construction joints in beams, slabs, and grade beams shall occur at midspan (middle third) unless noted otherwise. Provide 2 x 4 horizontal keys at construction joints for shear transfer. | Ę | <i>м</i> , | ~ | recompa Do not p んんん |
| | N. No aluminum items shall be embedded in any concrete. | 8 | 3. C | ;on | icrete N |
| | 4. Reinforcing Steel | | | A. | Concrete of ASTM |
| E | A. All reinforcing steel shall conform to the requirements of ASTM A615 or A706 grade 60 steel. Welded plain wire fabric shall be supplied in sheets and conform | | | | using typ based ce Any bloc |
| | to the requirements of ASTM A185. B. Clear minimum coverage of concrete over reinforcing steel shall be as follows: 1.) Concrete placed against earth: 3" | | | | and grou The cont during co |
| | 2.) Formed concrete against earth: 2" 3.) Slabs: 1" 4.) Beams or Columns: 1-1/2" | | | | All concr or truss) Cavity w |
| | 5.) Other 2" All coverage shall be nominal bar diameter minimum. C. All dowels shall be the same size and spacing as adjoining main bars (splice lap | | | | used. Th specifica architect |
| | 48 bar diameters or 24" minimum unless noted otherwise).D. At corners of all walls, beams, and grade beams supply corner bars (minimum 2'-0" in each direction or 48 bar diameters) in outside face of wall, matching size | | | | Concrete Grout, w strength |
| D | and spacing of horizontal bars. Where there are no vertical bars in outside face of wall, supply 3 - #4 vertical support bars for corner bars. E. Bars marked continuous and all vertical steel shall be lapped 48 bar diameters | | | G. | Non-load elements or compr |
| | (2'-0" minimum) at splices and embedments, unless shown otherwise. Splice top bars near midspan and splice bottom bars over supports, unless noted otherwise. | | ļ | H. | Unless o joints in r be space |
| | F. At all holes in concrete walls and slabs, add 2 - #5 bars (opening dimension plus 96 diameters long) at each of four sides and add 2 - #5 x 5'-0" diagonally at | | | I. | All horizo All bond Lintels o |
| | each of four corners of hole. Openings in 8" thick walls are reinforced similar, but with 1 - #5 instead of 2 - #5, respectively. G. Unless otherwise covered on architectural plans or specifications, vertical control | | | | otherwise All exteri Walls sh |
| | joints in concrete wall shall be spaced at a maximum of 20'-0" on center and coordinated with the architect. Every other horizontal wall reinforcing bar shall be discontinuous at control joints except heavy top and bottom bars unless noted | | · | J. | reinforcir the top, p |
| C | otherwise. Provide base seal waterstop style number 772 (by Greenstreak Inc. or approved equal) on dirt face side of wall at all walls below grade. H. Accessories shall be as specified in latest edition of the ACI Detailing Handbook | | | | |
| | and the concrete Reinforcing Steel Institute Design Handbook. Maximum accessory spacing shall be 4'-0" on center, and all accessories on exposed surfaces are to have plastic coated feet. | | | | |
| | All slabs and stairs not shown otherwise shall be 6" thick with #4 bars at 12" on center each way. All exterior porches and stoops not otherwise detailed may be constructed in any standard manner, solid or hollow, but must be reinforced with | | | | |
| | #4 bars at 12" on center each way minimum. Porches shall be doweled to adjacent walls or grade beams with #4 bars at 12" on center, hooked or embedded 48 diameters into both members. Slope porches 1/8" per foot for | | | | |
| В | J. Allow ½ ton of reinforcing bars #4 or larger to be used as directed in the field for special conditions by the engineer of record (labor for placing same to | | | | |
| | be included). | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Steel

ctural steel beams and columns shall be ASTM A992, grade 50 aneous steel shall be ASTM A36 grade steel (except at moment plates shall be ASTM A572, grade 50). Hollow Structural Section TM A500, grade B. Fabrication and erection shall be in accordan 303-05 "Code of Standard Practice for Steel Buildings and Bridges' dition of the AISC Steel Construction Manual. ding shall conform to the recommendations of the AWS. erior steel and connections, and brick relief angles shall be hot-dip

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- s not otherwise specified shall be 3/4" diameter high strength (AS s shall be fully pretensioned. All beam connections shall be desig Anual of Steel Construction "Framed Beam Connections" for the s shown in the beam shear connection table on sheet H-S300; nt for eccentricity when the bolt line is more than 2" from the center nections must be two bolt minimum. Additional connection elemer
- cally shown in the conceptual details in this set but may be require ction design, such as stiffener plates, doubler plates, supplement/r r other connection material. Connection design and shop drawing e completed under the direct supervision of a professional engine e the project is located and shop drawings and connection calcul is/her seal. hor bolts shall be 3/4" diameter, ASTM F1554, Grade 36 unless r
- s of minimum size and thickness for the given anchor diameter i Steel Construction Manual shall be provided at every column a s shall have a standard size hole for the anchor bolt. At braced f e welded all around to the column base plate with 3/16" fillet weld. , fabrication and erection of all open-web bar joists shall comply w
- nendations of the Steel Joist Institute (SJI). Joists shall be desigr given in the standard load tables of SJI Specs and Tables plus an a 200 lbs. on the top or bottom chord at any location without additio eries joists shall bear 2-1/2" minimum on structural steel beams
- ams with 1 1/2" of 1/8" fillet weld each side (minimum). eries joists bearing on masonry walls shall have 6" x 3/8" x 6" bear beams. Bearing plates shall be located not more than 1/2" from the bearing side. Joists shall bear 4" minimum on bearing plates ms or bearing plates with 1-1/2" of 1/8" fillet weld each side (minim el joists shall have horizontal bar or angle bridging per Steel Joist li
- cations. Provide rigid x-bridging in addition to and matching horiz joists are discontinuous unless horizontal bridging is anchored to Joist sweep allowance shall comply with AISC Standard Practice pists shall be designed for uplift per Components & Cladding Roof res Table on this sheet.
- nings in steel joist roof to have 3x3x1/4 angle frame set between jo nical equipment with 4x4x5/16 angles laid between joists framed to (length equals mechanical unit dimension plus distance each end aid parallel to and welded to top and/or bottom cord of joists to dis anel points.
- I joists shall have a midspan camber approximately equal to that Steel Joist Institute Specifications. and installation of steel decking shall comply with the recommen-
- Deck Institute (SDI). All decking shall be galvanized unless noted .0 tons structural steel to be used as directed in field for special of er of record. Cost for shop drawings, fabrication, delivery, detailin
- cluded. 50% of structural steel allowance shall be bid as miscella ized angle and plate.

alled Anchors

- stalled anchors shall be used only where specified on the drawing red in writing by the engineer of record. See drawings for anchor of g and embedment. Performance values of the anchors shall be o products using appropriate design procedures and/or standar d by the governing building code. Anchors installed in concrete ES Evaluation Service Report. Special inspection is required fo ed anchors. The contractor shall coordinate an on-site meeting with ed anchor manufacturer field representative to educate the constru on the anchor installation guidelines and requirements.
- nical anchors used in cracked and uncracked concrete shall have and qualified for use in accordance with ACI 355.2 and ICC-ES / s shall be installed per the anchor manufacturer's written instruct ive anchors used in cracked and uncracked concrete shall have b
- alified for use in accordance with ICC-ES AC308. All anchors sha ed per the anchor manufacturer's written instructions. nical anchors used in solid grouted masonry shall have been teste
- ed for use in accordance with ICC-ES AC01. All anchors shall be in anchor manufacturer's written instructions. ive anchors used in solid grouted masonry shall have been tested ed for use in accordance with ICC-ES AC58. All anchors shall be in
- anchor manufacturer's written instructions. s used in hollow concrete masonry shall have been tested and qu ance with ICC-ES AC106 or ICC-ES AC58 as appropriate. All an e installed per the anchor manufacturer's written instructions with priate screen tubes used for adhesives.

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- investigation was prepared by CFS Engineers, the report r is 20-1227, and the telephone number is 913-627-9040.
- footings, grade beams, and retaining walls at the existing home p signed to bear on engineered fill or undisturbed soil capable of safe ning 3000 psf. Spread footings, grade beams, and retaining walls a s are designed to bear on engineered fill or undisturbed soil capa
- ning 2500 psf. ng walls are designed for an active lateral load of 55 pcf equivalen essure
- ctor shall provide for dewatering at excavations from either surfac
- dation excavations shall be inspected by a qualified soil engineer architect and/or structural engineer, prior to placement of steel or o spection shall be at the owner's expense.
- crete in the structural portion retaining the backfill shall have attain strength prior to being backfilled. content in soils beneath building locations should not be allowed
- ooting excavations and after grading for slabs on grade are comple de materials become desiccated or softened by water or other c pact materials to the density and water content specified for engine place concrete on frozen ground.

Masonry Units

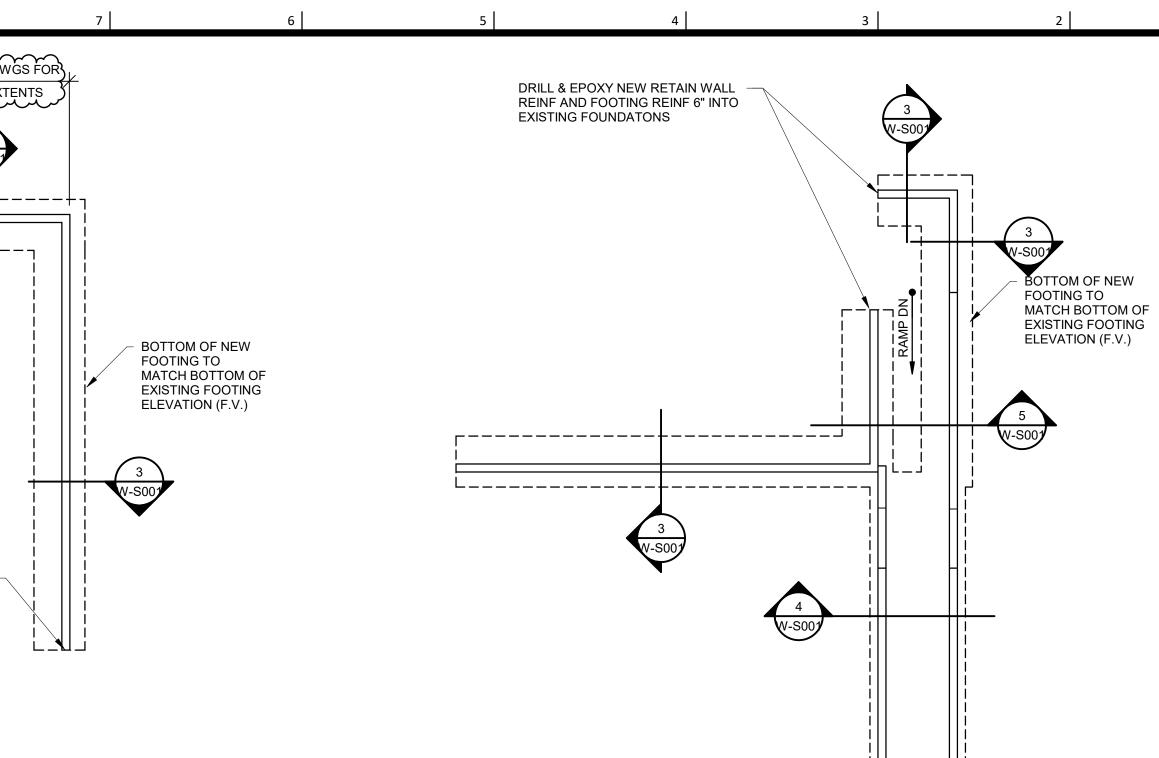
- e block used in exterior walls or load bearing walls shall meet the VI C90 and have a minimum net compressive strength of 2650 ps ype N mortar such that f'm equals 2000 psi. Mortar shall be volum cement lime mortar. Proportioning shall be completed by box mea ock in contact with earth shall be normal weight units, laid using ty outed solid.
- ntractor shall provide adequate temporary bracing for all masonry construction. crete block shall have 9 gage (or larger) horizontal joint reinforcing s) per architectural drawings and specifications (16" maximum ver
- wall construction shall be reinforced as designed for specific conc The horizontal joint reinforcing shall be of the ladder or truss style cation and continuous between brick and block, as prescribed by t ctural drawings.
- e block shall be reinforced as indicated on Sheet H-S002 where noted above, shall have a minimum design ultimate compre th of 2500 psi at 28 day test and 3/8" maximum aggregate size. d bearing concrete block walls shall be isolated from adjacent s
- s with vertical 3/8" control joints and at the top of the wall with 1 pressible material and support per architectural detail. otherwise covered on architectural plans or specifications, vertications masonry construction shall be 3/8" wide, full height of wall. Joint ced at a maximum of 24'-0" on center and coordinated with the ar
- izontal joint reinforcing shall be discontinuous at control joints in n d beam horizontal reinforcing shall be continuous through control j over all openings up to 8'-0" wide in new and existing masonry w
- ise covered shall be one 6x3 1/2x5/16 angle for each 4" width of m erior lintels to be galvanized. shall be anchored top and bottom by dowels matching wall vertica ing(unless noted otherwise) from floor slab bottom and bracing a , per details on the drawings.

| | 9 | lial | ht Gage Metal Structural Framing | RE: CIVIL DWGS FOR WALL EXTENTS |
|---|-----|----------|--|--|
| 50 steel and all ent connections tions (HSS) shall lance with ges" in the | 0. | А. В. | All load bearing, light gage structural studs, track, and bridging shall be of the type, size, gage, and spacing as shown on the plans, minimum. All materials shall be 33,000 psi minimum yield, except studs of 16 gage or heavier shall have a minimum yield of 50,000 psi. All properties, fabrication, and erection shall be in accordance with latest editions of | |
| -dip galvanized. (ASTM A325-N). esigned per the the indicated 0; and, shall | | D. | the AISI "Specifications for the Design of Cold-Formed Structural Members." All framing components shall be cut squarely or at an angle to fit squarely against abutting members. Splicing of axially loaded members is not permitted. Members shall be held firmly in place until properly fastened. Attachments of similar components shall be by welding, screw attachment, or bolting. Wire tying of components is not permitted. Tracks shall be securely anchored to floor and overhead members. Special | |
| enter of the ments may not be juired by the final ent/reinforcing awing preparation | 10 | F. | anchorage requirements required for wind bracing shall be as shown on the plans. Prior to fabrication and/or erection, the contractor shall submit shop drawings complete with detail of erection, fabrication, attachments, anchorages, lintels, etc., for review by the architect/engineer. | |
| yineer licensed in lculations shall as noted otherwise. er in Table 14-2 of an anchor bolt. ed frames washers | 10. | A. | Bob D. Campbell and Company, Inc. will review the General Contractor's (GC) shop drawings and related submittals (as indicated below) with respect to the ability of the detailed work, when complete, to be a properly functioning integral element of the overall structural system designed by Bob D. Campbell and Company, Inc. | |
| eld. Iy with the signed to support an additional point ditional web is and be welded to | | D. | Prior to submittal of a shop drawing or any related material to Bob D. Campbell and Company, Inc., the GC shall: Review each submission for conformance with the means, methods, techniques, sequences and operations of construction and safety precautions and programs incidental thereto, all of which are the sole responsibility of the GC. Review and approve each submission. | DRILL & EPOXY NEW RETAIN WALL |
| bearing plates set om the face of the ates and be welded inimum). vist Institute orizontal bridging I to wall top and | | D. | 3.) Stamp each submission as approved. Bob D. Campbell and Company, Inc. shall assume that no submission comprises a variation unless the GC advises Bob D. Campbell and Company, Inc. with written documentation. Bob D. Campbell and Company, Inc. shall review shop drawings and related materials with comments provided that each submission has met the above requirements. Bob D. Campbell and Company, Inc. shall return without comment unrequired material or submissions without GC approval stamp. | |
| actice. Roof Uplift en joists. Support ed to 4x4x5/16 end to next panel | | E. | Shop drawings and related material (if any) required are indicated below. Should Bob D. Campbell and Company, Inc. require more than ten (10) working days to perform the review, Bob D. Campbell and Company, Inc. shall so notify the GC. 1.) Concrete mix designs and material certificates including admixtures and compounds applied to the concrete after placement. | 1 Foundation Plan - North Home |
| hat recommended nendations of the ted otherwise. | | | Reinforcing steel shop drawings including erection drawings and bending details. Bar list will not be reviewed for correct quantities. Elevations of all reinforced concrete masonry walls at a scale no smaller than 3/8" = 1'-0" showing all required reinforcing. Grout mix designs (for CMU). Construction and control joint plans and/or elevations. Structural steel shop drawings including erection drawings and piece | NOTES: 1. REFER TO GENERAL NOTES ON SHEET S001. |
| al conditions by the ailing, and erection cellaneous | | | details. Include joist, decking and connector submittals. Include miscellaneous framing specified on the structural drawings, but do not submit framing specified on non-structural drawings for Bob D. Campbell and Company, Inc. review. 7.) Structural steel connection design calculations submitted concurrently with structural steel shop drawings. | RAILING PER |
| wings unless nor diameter, | | | 8.) Miscellaneous anchors shown on the structural drawings. 9.) Standard details and bridging information for light gage metal framing. Erection plans and details for light gage metal joists and lintels spanning more than 6'-0" shall be submitted. Standard wall framing need not be submitted. | |
| be obtained for lards as te shall have | 11. | St | atement of Structural Special Inspections | SIDEWALK PER CIVIL |
| l for all post with the post struction | | A. | The structural design for this project is based on completion of special inspections during construction in accordance with section 1704 of the International Building Code. The owner shall employ one or more qualified | #4x4'-0" DWLS @12"oc |
| ave been S AC193. All uctions. ve been tested | | | special inspectors to provide the required special inspections. The special inspector shall furnish inspection reports to the building official, owner, architect and structural engineer, and any other designated person. All discrepancies shall be brought to the immediate attention of the contractor | |
| shall be ested and be installed | | D. | for correction, then, if uncorrected, to the proper design authority, building official and structural engineer. The special inspector shall submit a final signed report stating that the work requiring special inspection was, to the best of the inspector's knowledge, in | |
| sted and be installed | | E. | conformance with the approved plans and specifications and the applicable workmanship provisions of the building code. The following inspections and tests are required with the frequency (continuous or periodic) as defined within the referenced section or standard listed below. The | #4 @12"oc EACH WAY |
| d qualified in l anchors /ith | | | General Contractor shall provide notification to the inspector when items requiring inspection are ready to be inspected and provide access for those inspections. | GRADE PER CIVIL |
| ~~~~~} | | 1. 2. | Shop Fabrication – structural steel and steel bar joist per Section 1704.2.5 unless AISC certified shop Shop Fabrication – pre-engineered wood trusses per Section 1704.2.5 unless TPI certified shop | |
| ne pressbox | | | Steel Construction per Section 1705.2 and the quality assurance requirements of AISC 341 Chapter J (as referenced by AISC 360) Cold-Formed Steel Deck per Section 1705.2.2 and the quality assurance requirements of SDI QA/QC. | $\frac{1}{1}$ |
| safely Ills at all other apable of safely | | 5. | Concrete Construction per Section 1705.3 and Table 1705.3 a. Reinforcing Steel Placement b. Reinforcing Steel Welding c. Cast in Place Anchors | ≥ o m m |
| rface water or | | | d. Post Installed Anchors e. Design Mix Verification f. Concrete Sampling and Testing | |
| l or concrete. | | 6. | g. Concrete Placement h. Concrete Curing Masonry Construction per Section 1705.4 and the quality assurance requirements of TMS 402/ACI530/ASCE5 and TMS602/A530.1/ASCE6 [Level B] | (7)¥5 CONT. (4'-3") (1) |
| ttained its wed to change npleted. If | 12. | С | opyright and Disclaimer | <u>3 SECTION</u> |
| r conditions, agineered fill. | | | All drawings in the structural set (S-series drawings) are the copyrighted work of Bob D. Campbell and company, Inc. These drawings may not be | 3/4" = 1'-0" |
| t the requirements 0 psi and laid up | | Б | photographed, traced, or copies in any manner without the written permission of Bob D. Campbell and Company, Inc. Exception: Original drawings may be printed for distribution to the owner, architect, and general contractor for coordination, bidding, and construction. Subcontractors may not reproduce these drawings for any purpose or in any manner. I, Richard C. Crabtree, P.E., registered engineer and a representative of | RAILING PER — ARCH |
| olume proportion measure. g type "S" mortar onry walls | | D. | Bob D. Campbell and Company, Inc., do hereby accept professional responsibility as required by the professional registration laws of this state for the structural design drawings consisting of S-series drawings. I hereby disclaim responsibility for all other drawings in the construction document package, they being the responsibility of other design professionals whose seals and signed statements may appear elsewhere in the construction | |
| cing (ladder vertical spacing). concrete block tyle per by the | | | document package. | BIDEWALK PER CIVIL @12"oc SIDEWALK |
| mpressive e. t structural n 1" air space rtical control | | | | SIDEWALK PER CIVIL |
| loints shall e architect. n masonry. trol joints. y walls not of masonry. | | | | #4 @12"oc EACH WAY |
| tical Ig angles at | | | | FTG PER |
| | | | | $\begin{array}{c} 1 \\ 2'-4" \end{array}$ |
| | | | | |
| | | | | $4^{-3^{-1}}$ 5 <u>SECTION</u> 5 <u>3/4" = 1'-0"</u> |
| | | | | 3/4" = 1'-0" |

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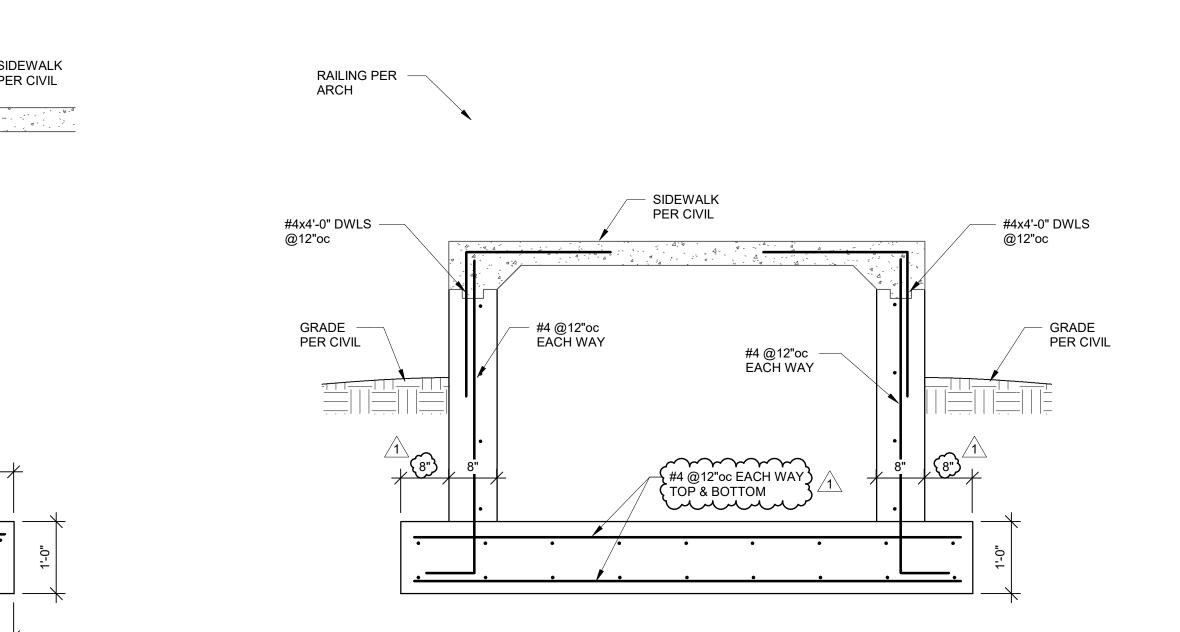
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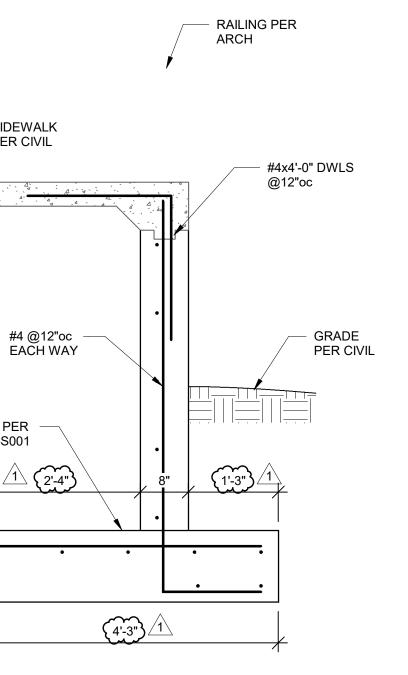


Home Bleachers

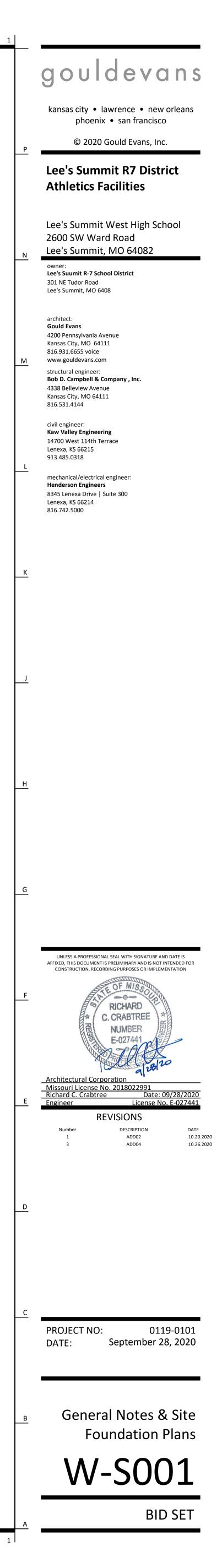
2 Foundation Plan - South Home Bleachers NOTES: 1. REFER TO GENERAL NOTES ON SHEET S001.

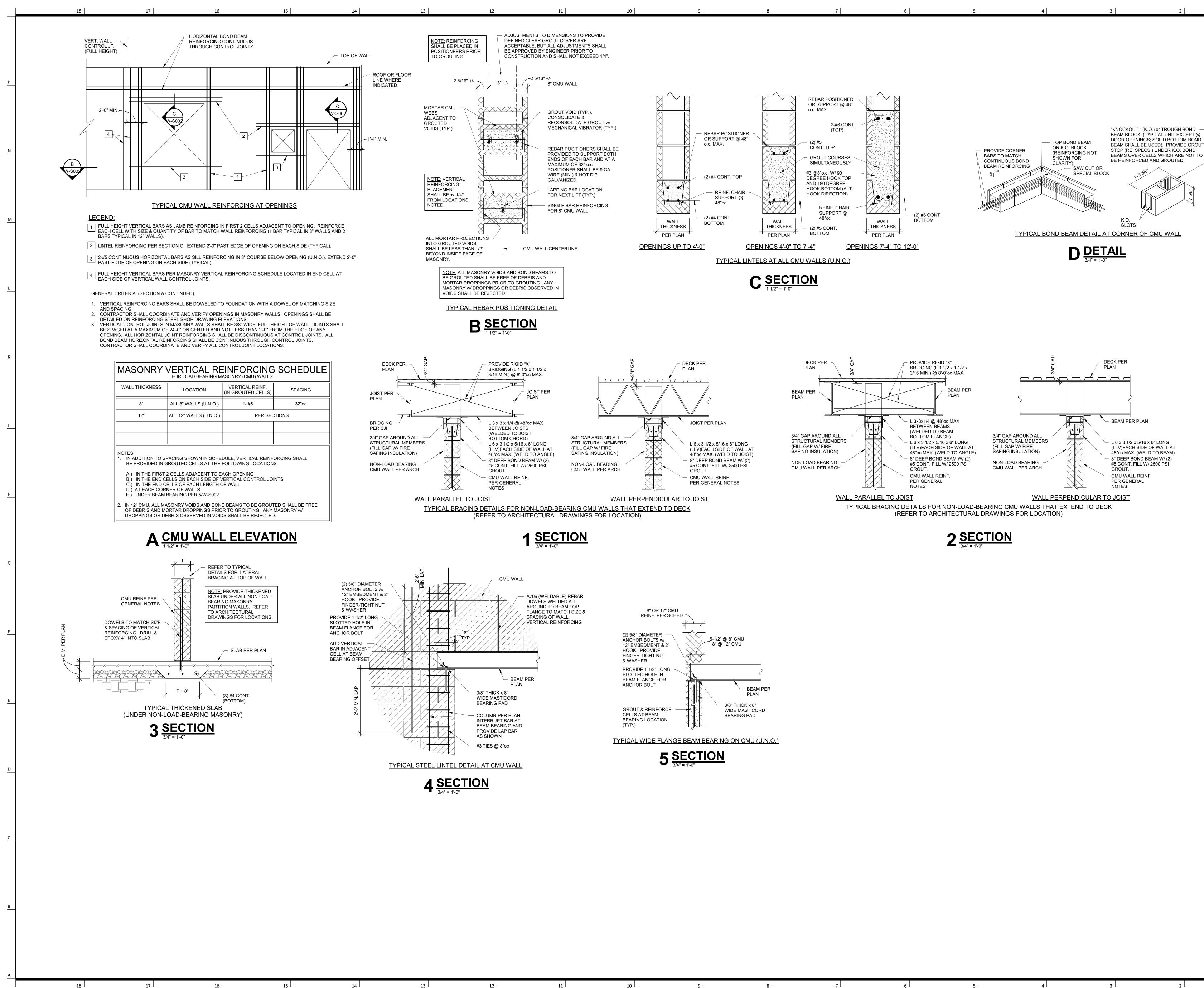
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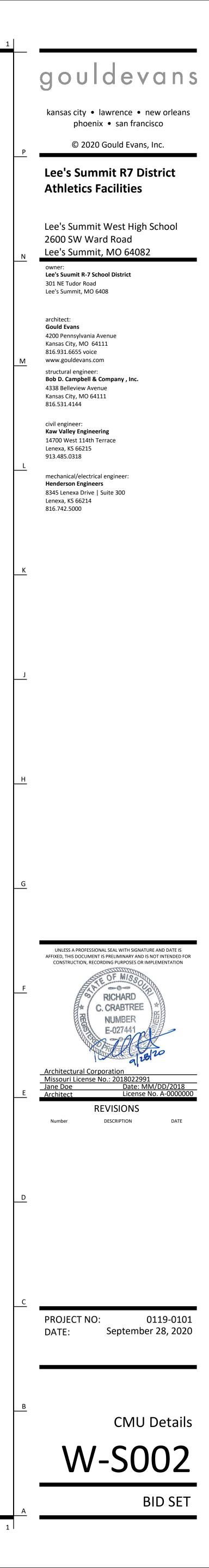


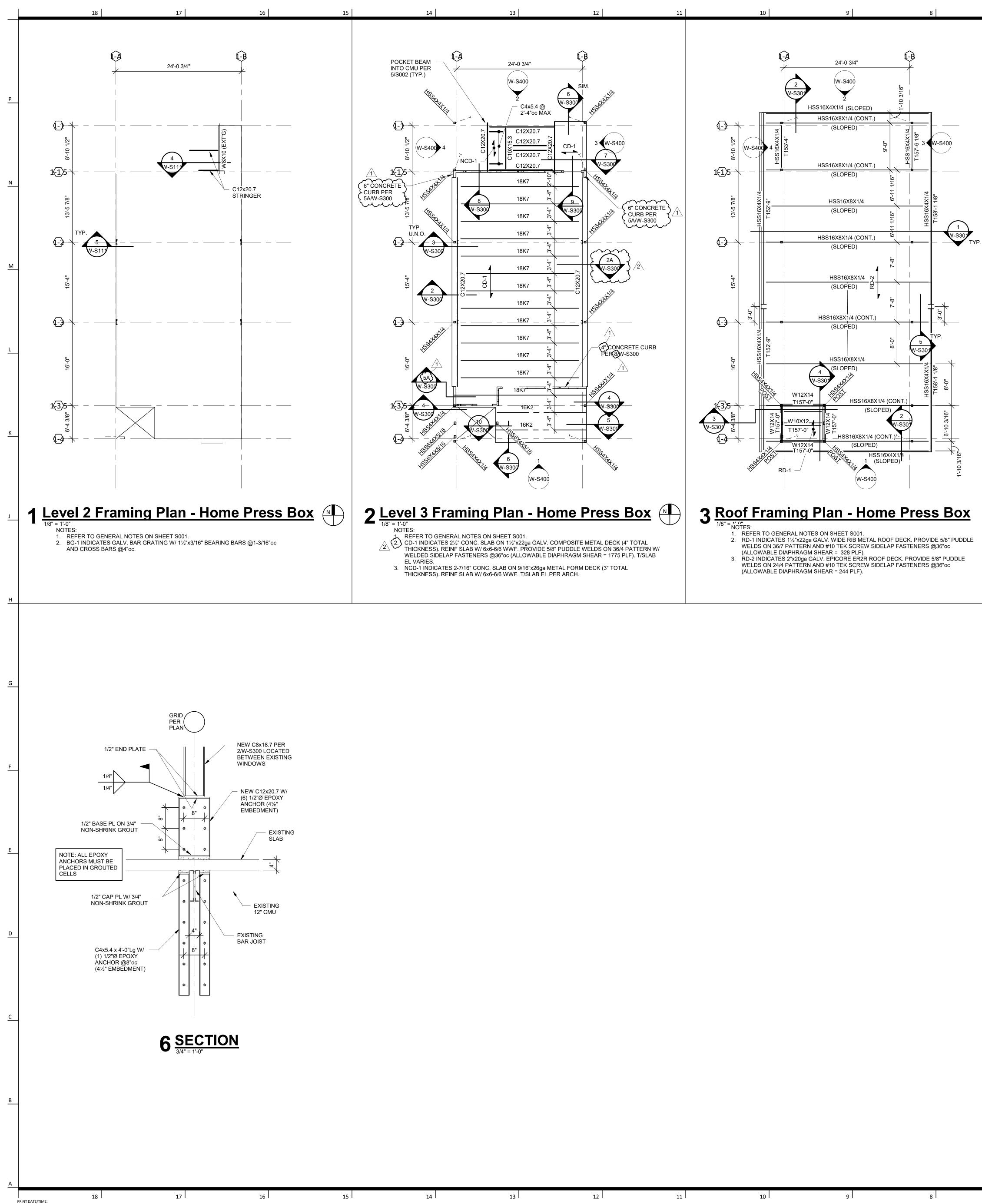


| ZONE 3 |
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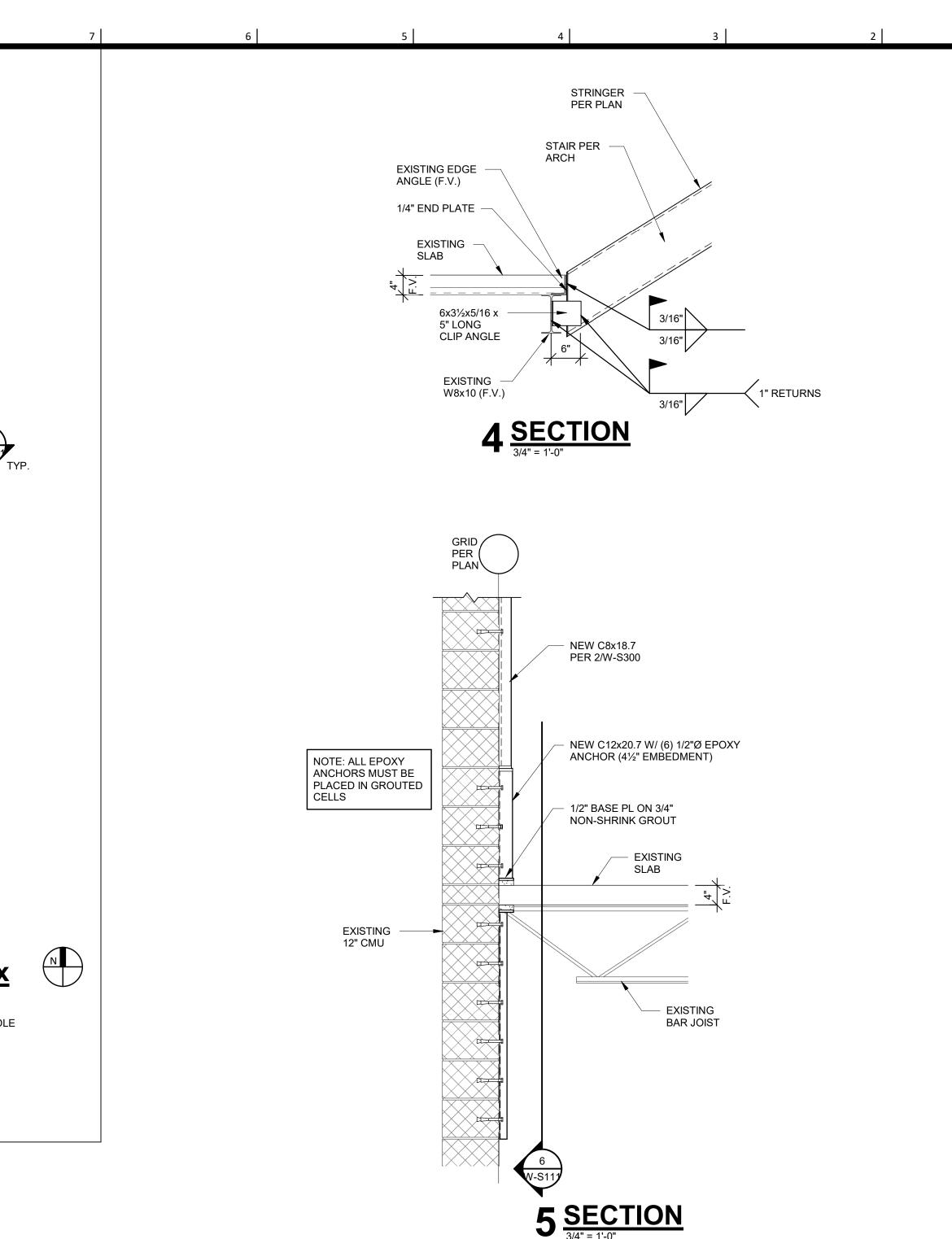


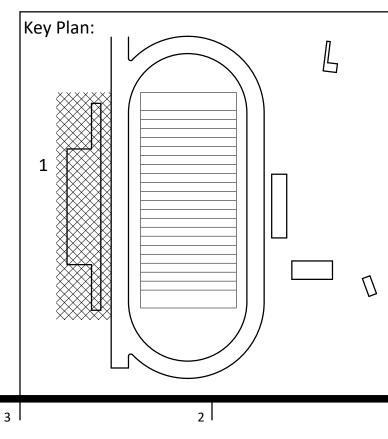






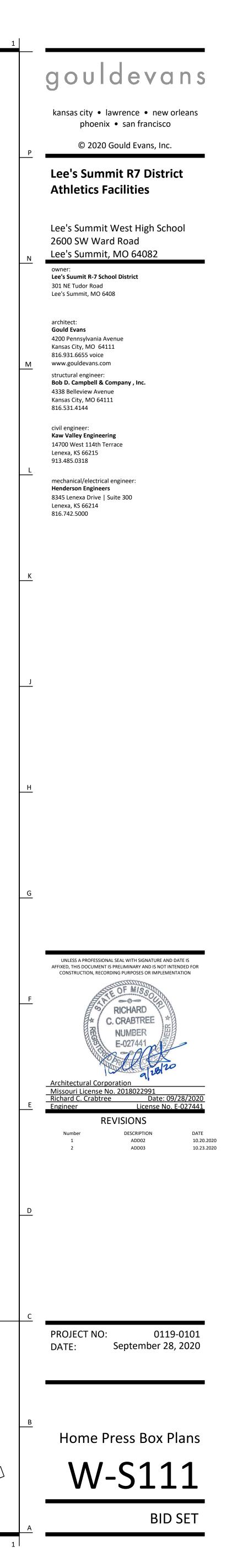
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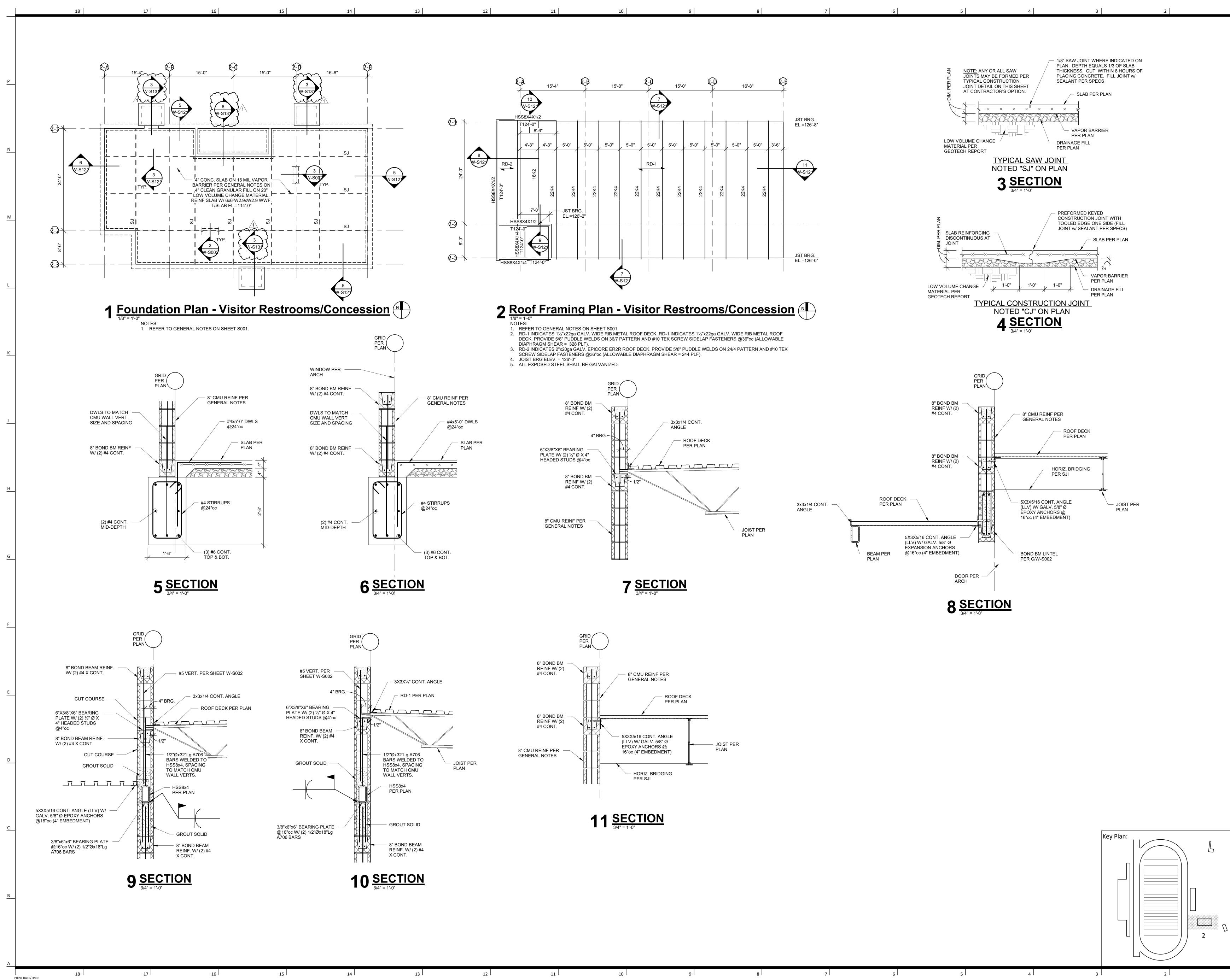




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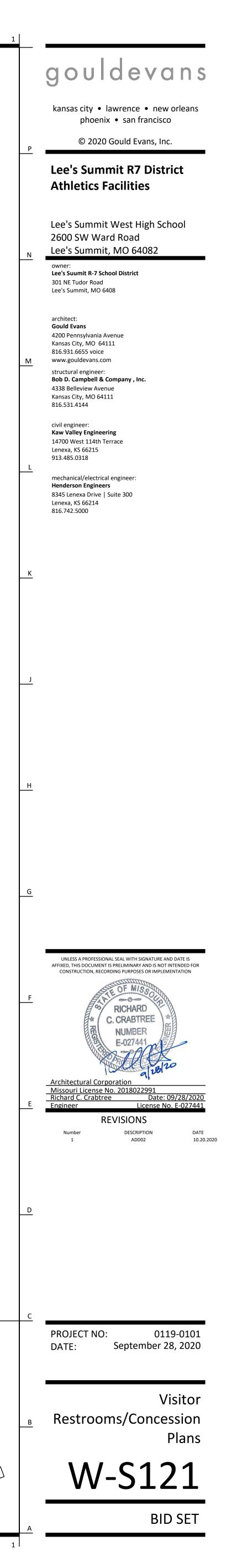
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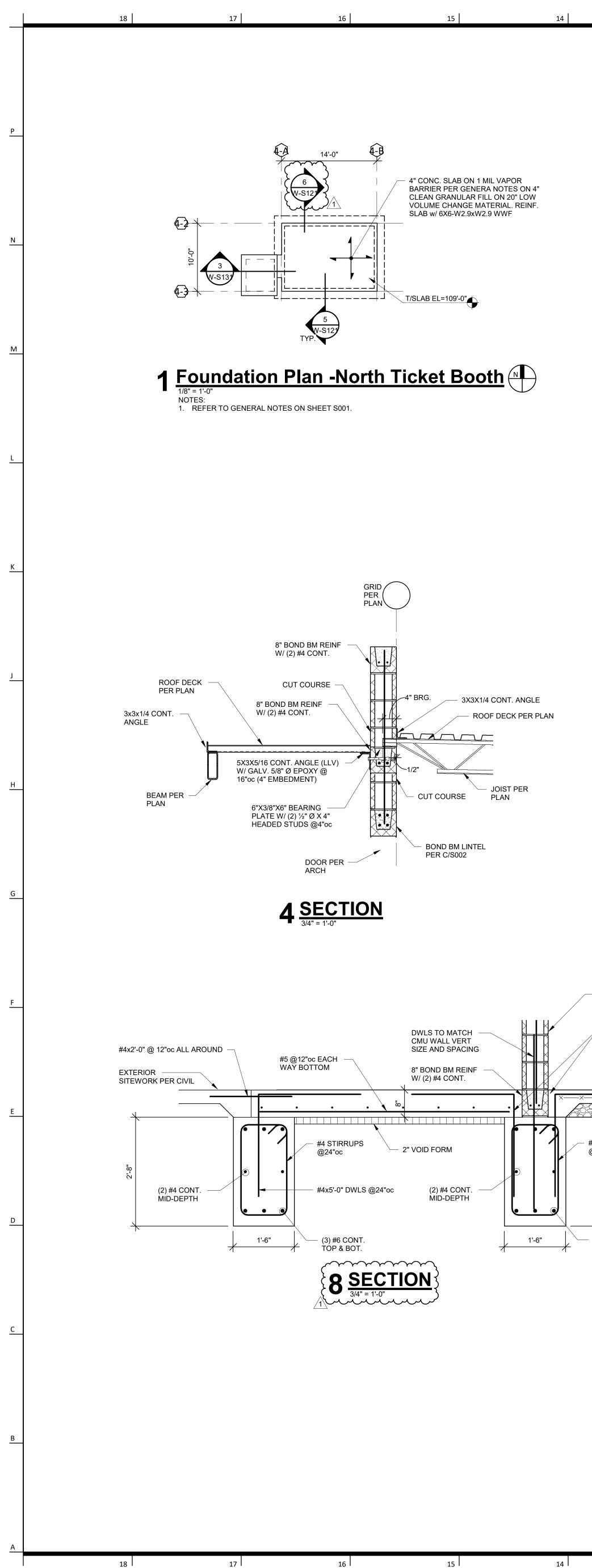




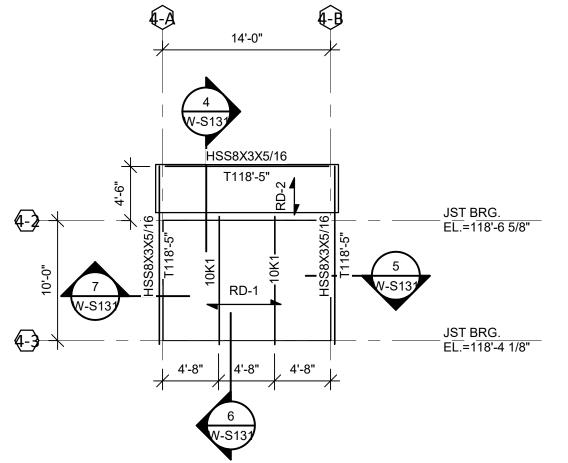


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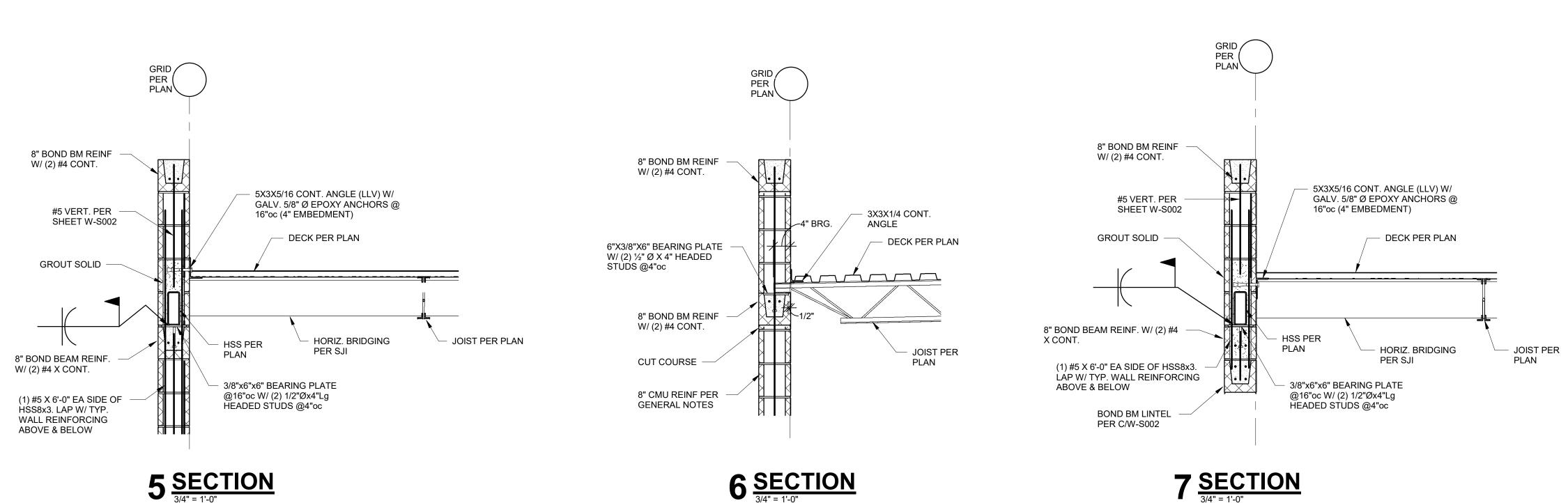




2 Roof Framing Plan - North Ticket Booth

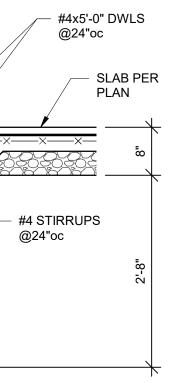
NOTES: 1. REFER TO GENERAL NOTES ON SHEET S001. 2. RD-1 INDICATES 11/2"x22ga GALV. WIDE RIB METAL ROOF DECK. RD-1 INDICATES 11/2"x22ga

- GALV. WIDE RIB METAL ROOF DECK. PROVIDE 5/8" PUDDLE WELDS ON 36/7 PATTERN AND #10 TEK SCREW SIDELAP FASTENERS @36"oc (ALLOWABLE DIAPHRAGM SHEAR = 328 PLF). 3. RD-2 INDICATES 2"x20ga GALV. EPICORE ER2R ROOF DECK. PROVIDE 5/8" PUDDLE WELDS ON
- 24/4 PATTERN AND #10 TEK SCREW SIDELAP FASTENERS @36"oc (ALLOWABLE DIAPHRAGM SHEAR = 244 PLF).



5 <u>SECTION</u> 3/4" = 1'-0"

8" CMU REINF PER GENERAL NOTES



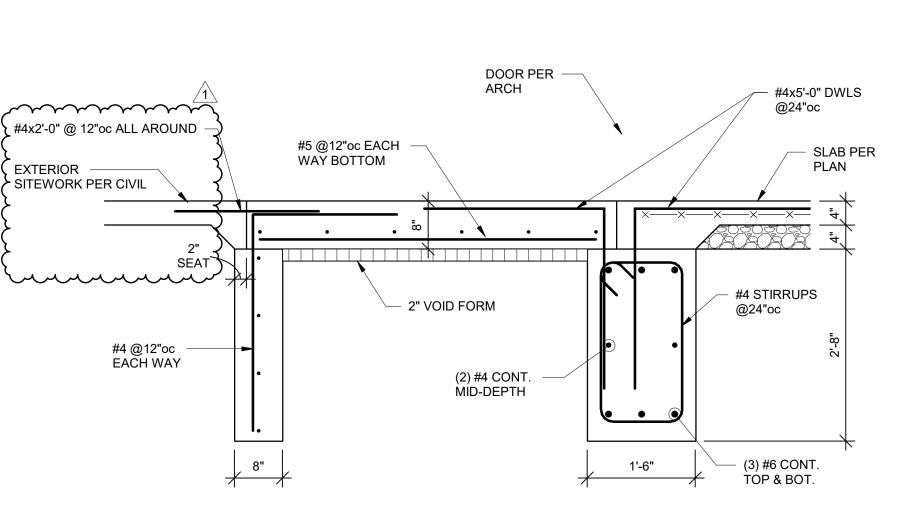
- (3) #6 CONT. TÓP & BOT.

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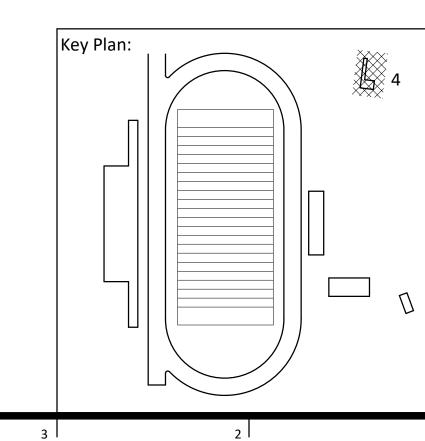
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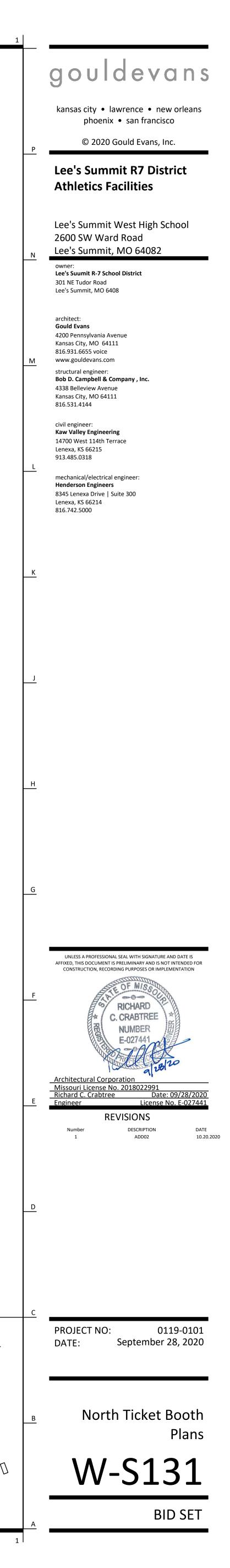
3 <u>SECTION</u> 3/4" = 1'-0"

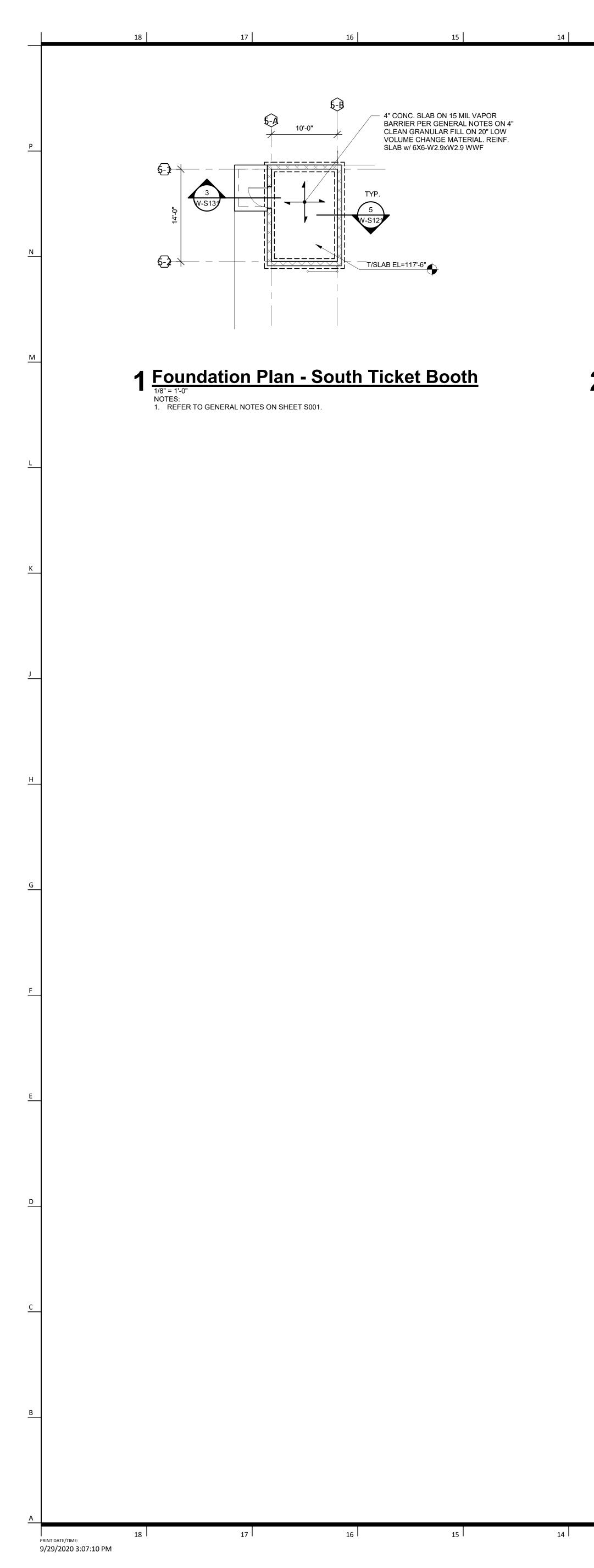


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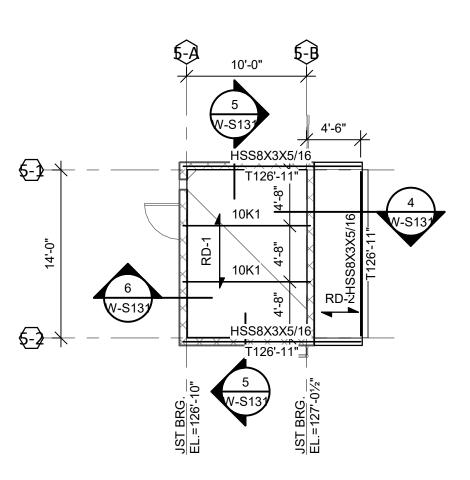
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2 Roof Framing Plan - South Ticket Booth

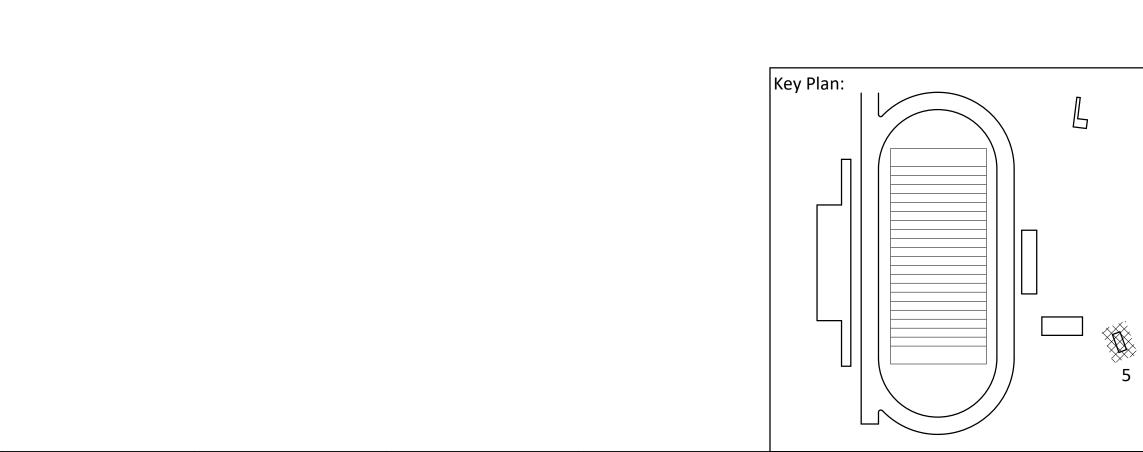
- NOTES:
- NOTES:
 REFER TO GENERAL NOTES ON SHEET S001.
 RD-1 INDICATES 11/2"x22ga GALV. WIDE RIB METAL ROOF DECK. RD-1 INDICATES 11/2"x22ga GALV. WIDE RIB METAL ROOF DECK. PROVIDE 5/8" PUDDLE WELDS ON 36/7 PATTERN AND #10 TEK SCREW SIDELAP FASTENERS @36"oc (ALLOWABLE DIAPHRAGM SHEAR = 328 PLF).
 RD-2 INDICATES 2"x20ga GALV. EPICORE ER2R ROOF DECK. PROVIDE 5/8" PUDDLE WELDS ON 24/4 PATTERN AND #10 TEK SCREW SIDELAP FASTENERS @36"oc (ALLOWABLE DIAPHRAGM SHEAR = 244 PLF).

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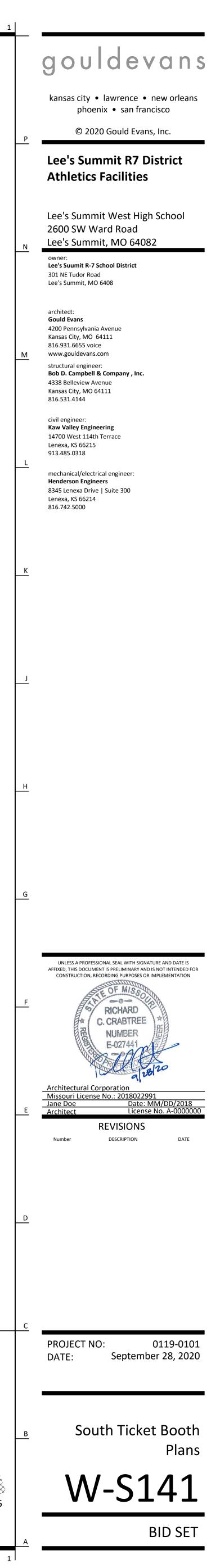
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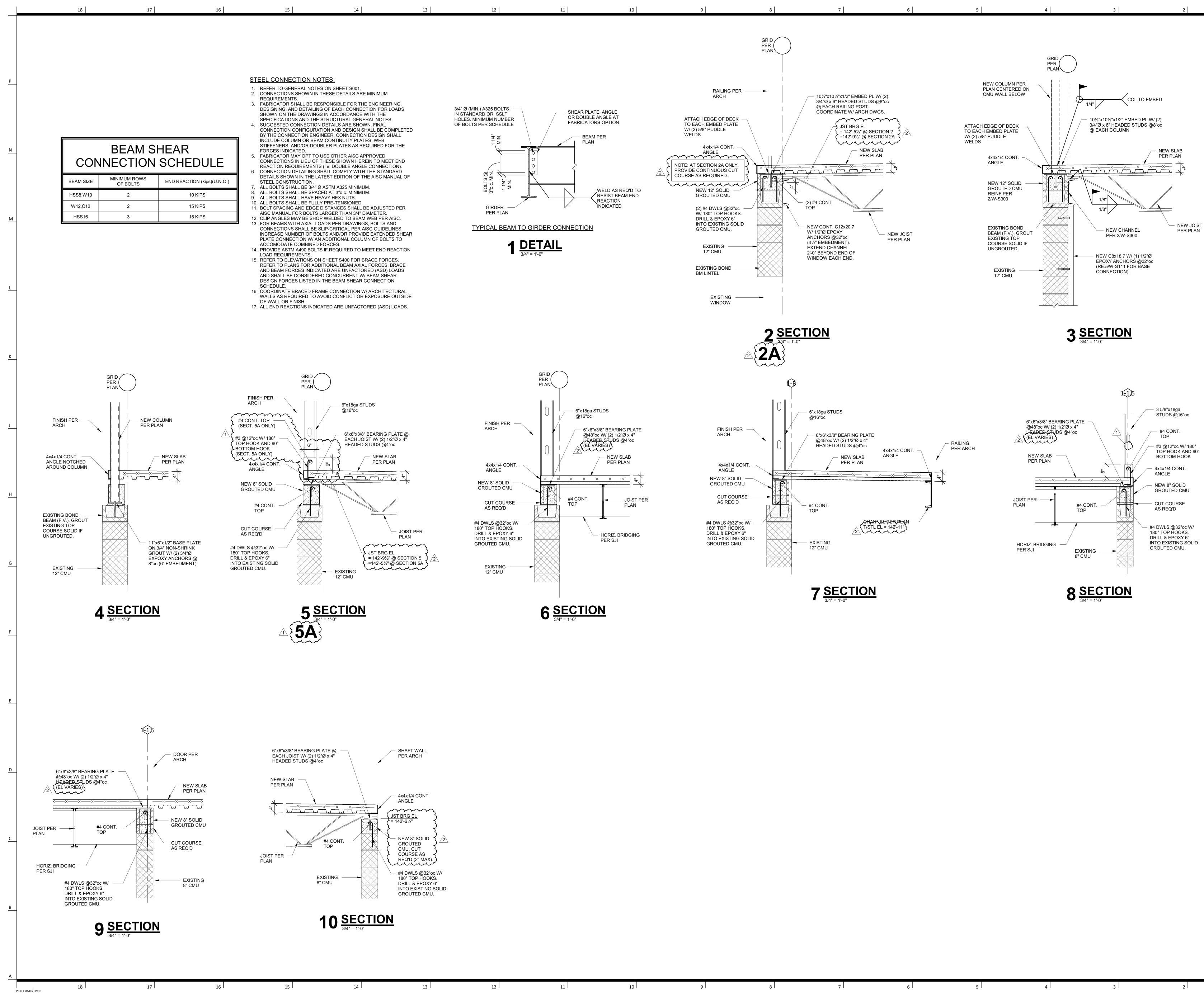




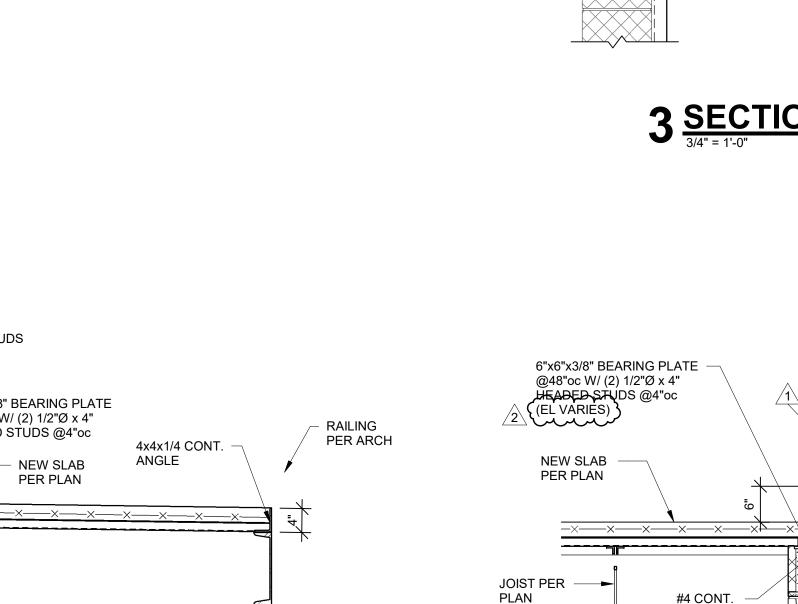
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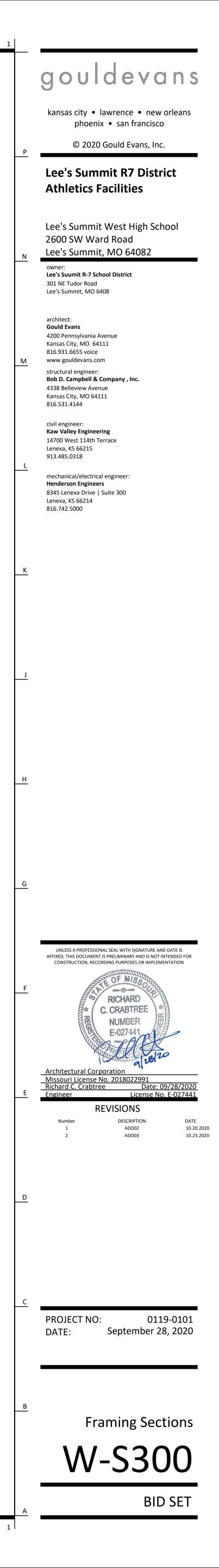


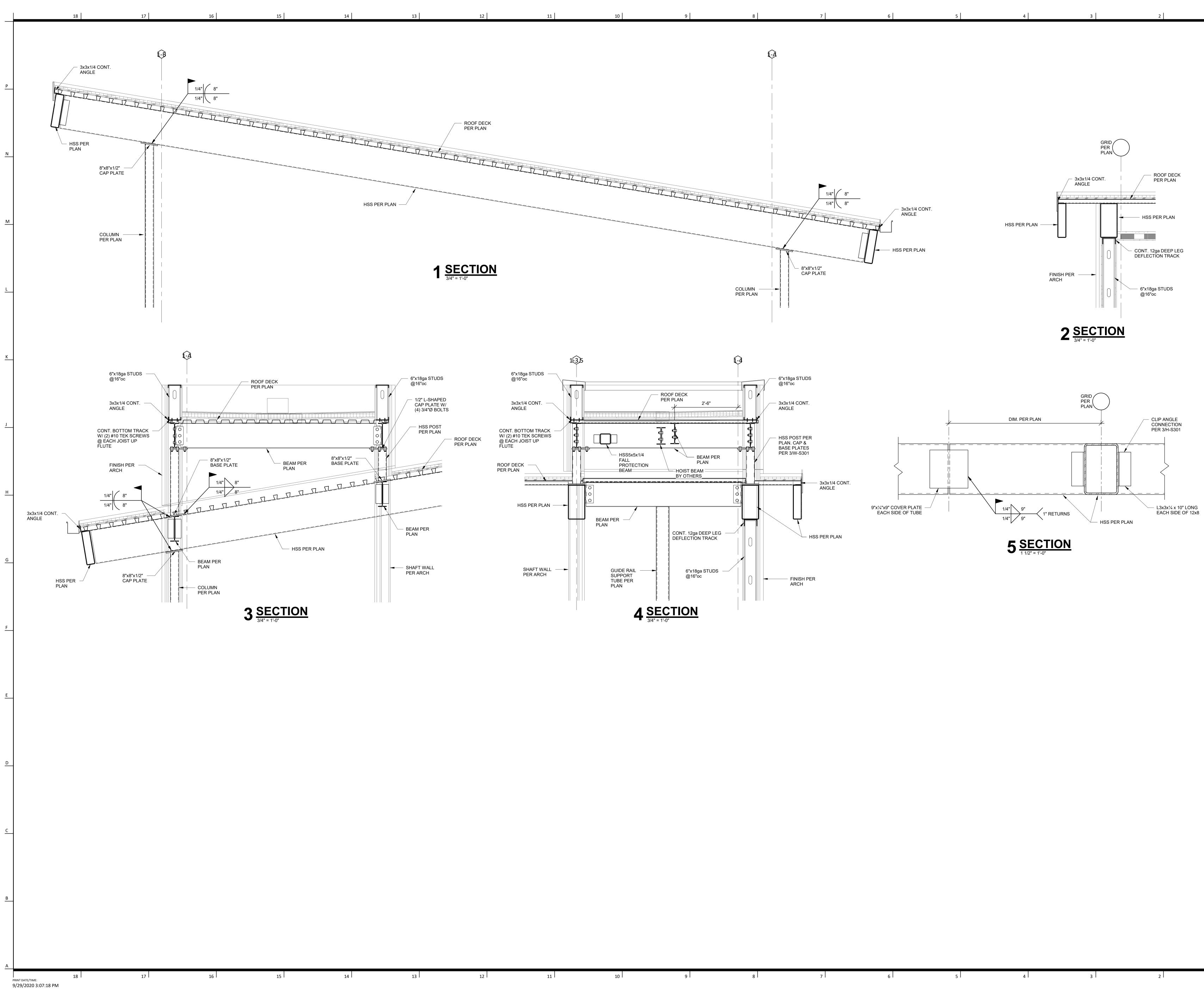


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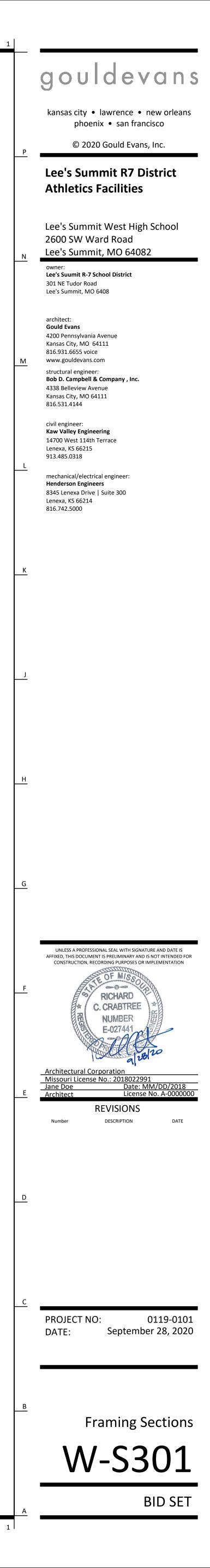


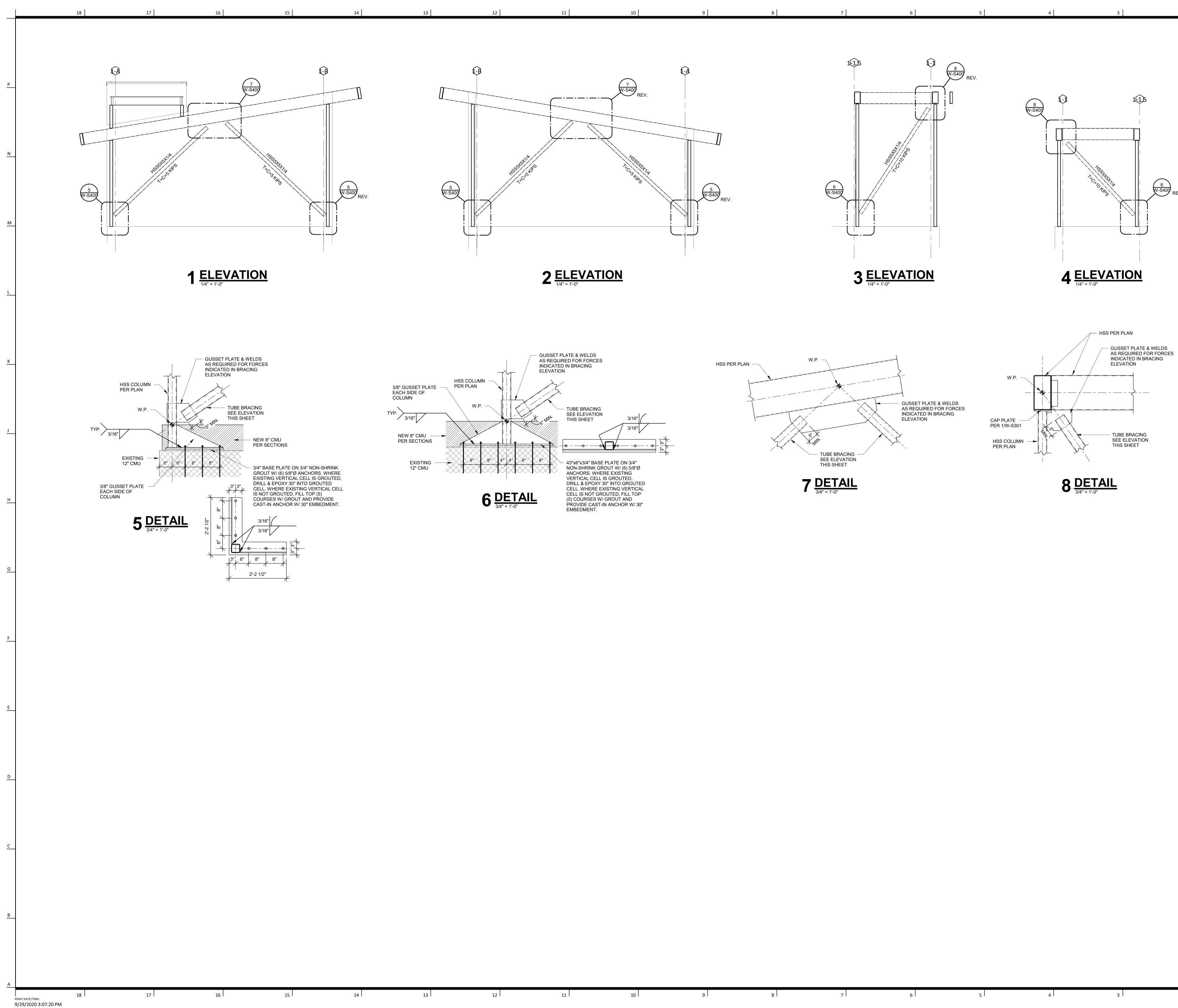




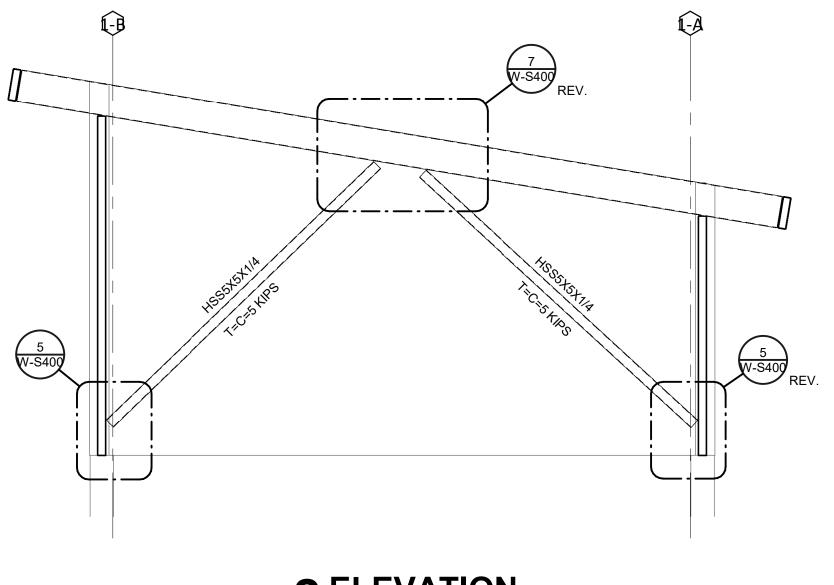


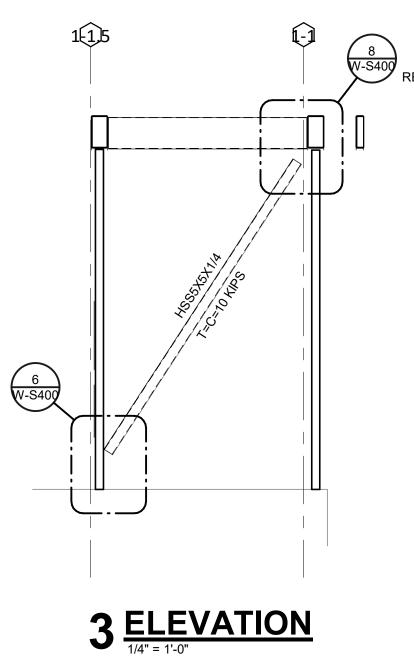


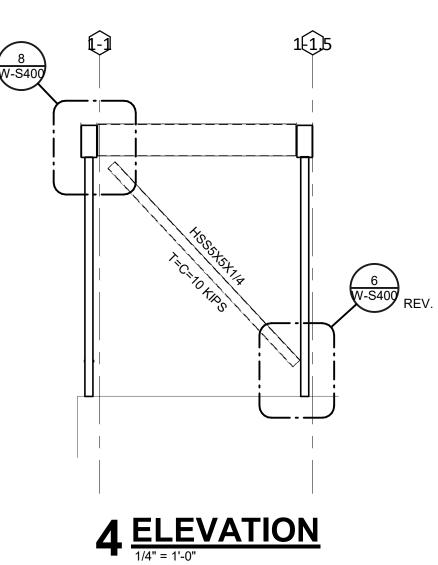


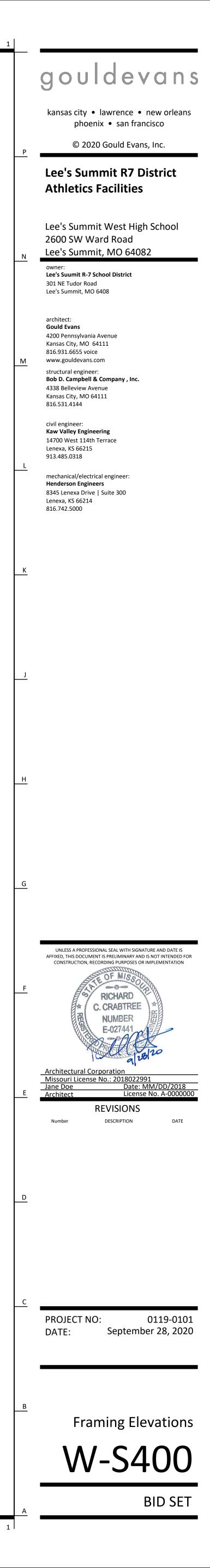


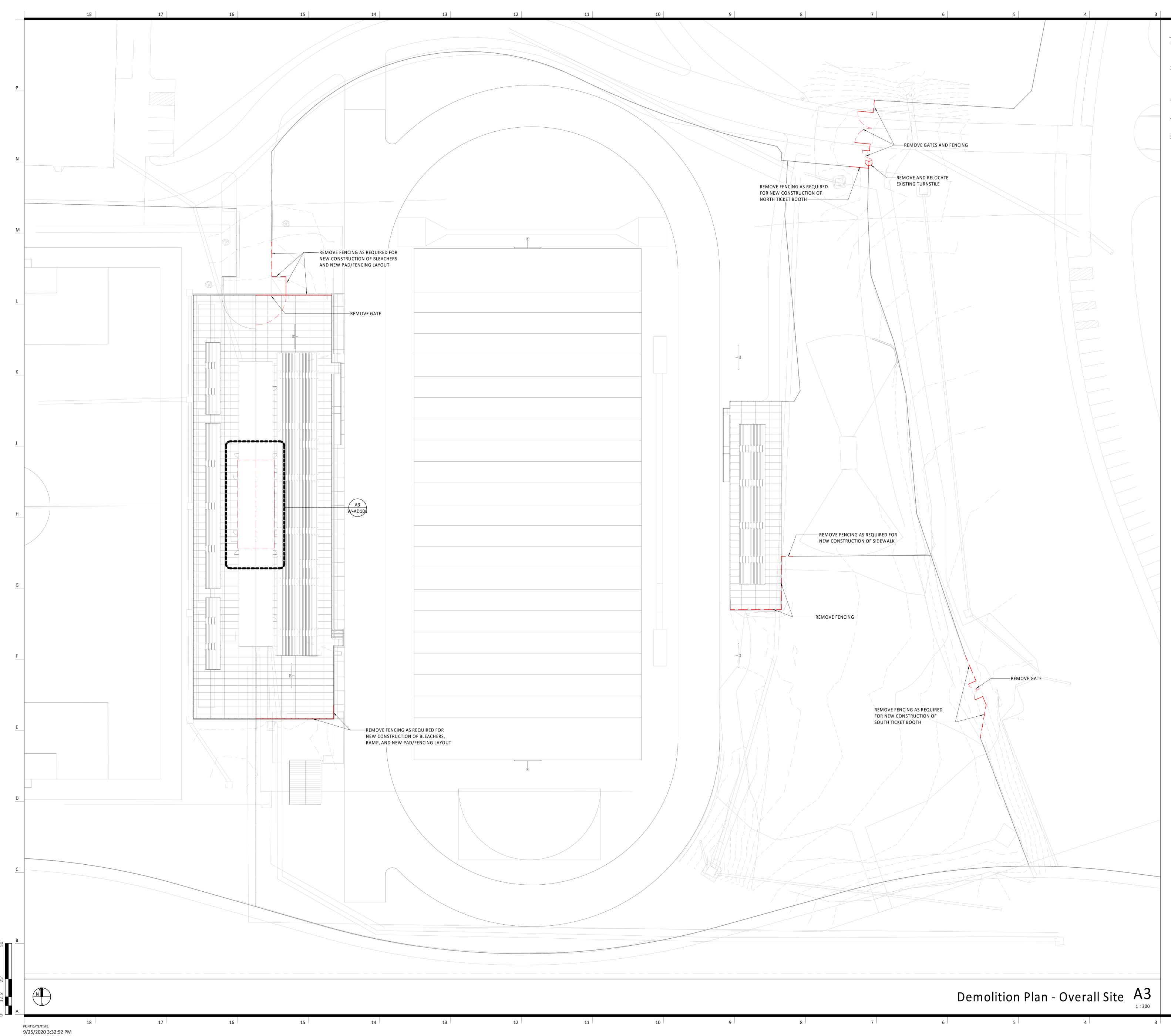






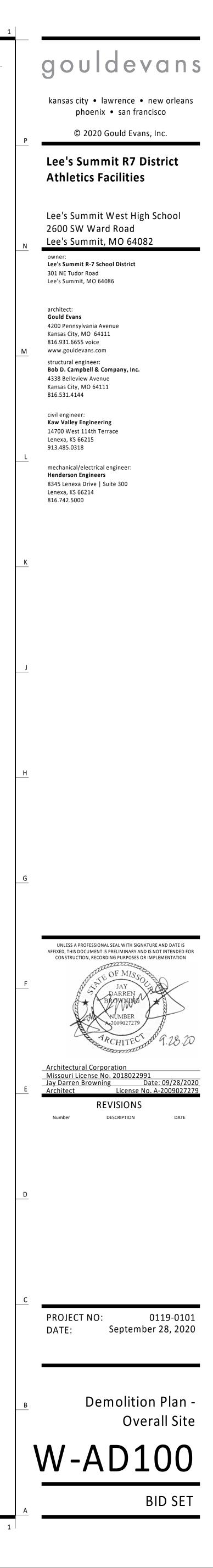






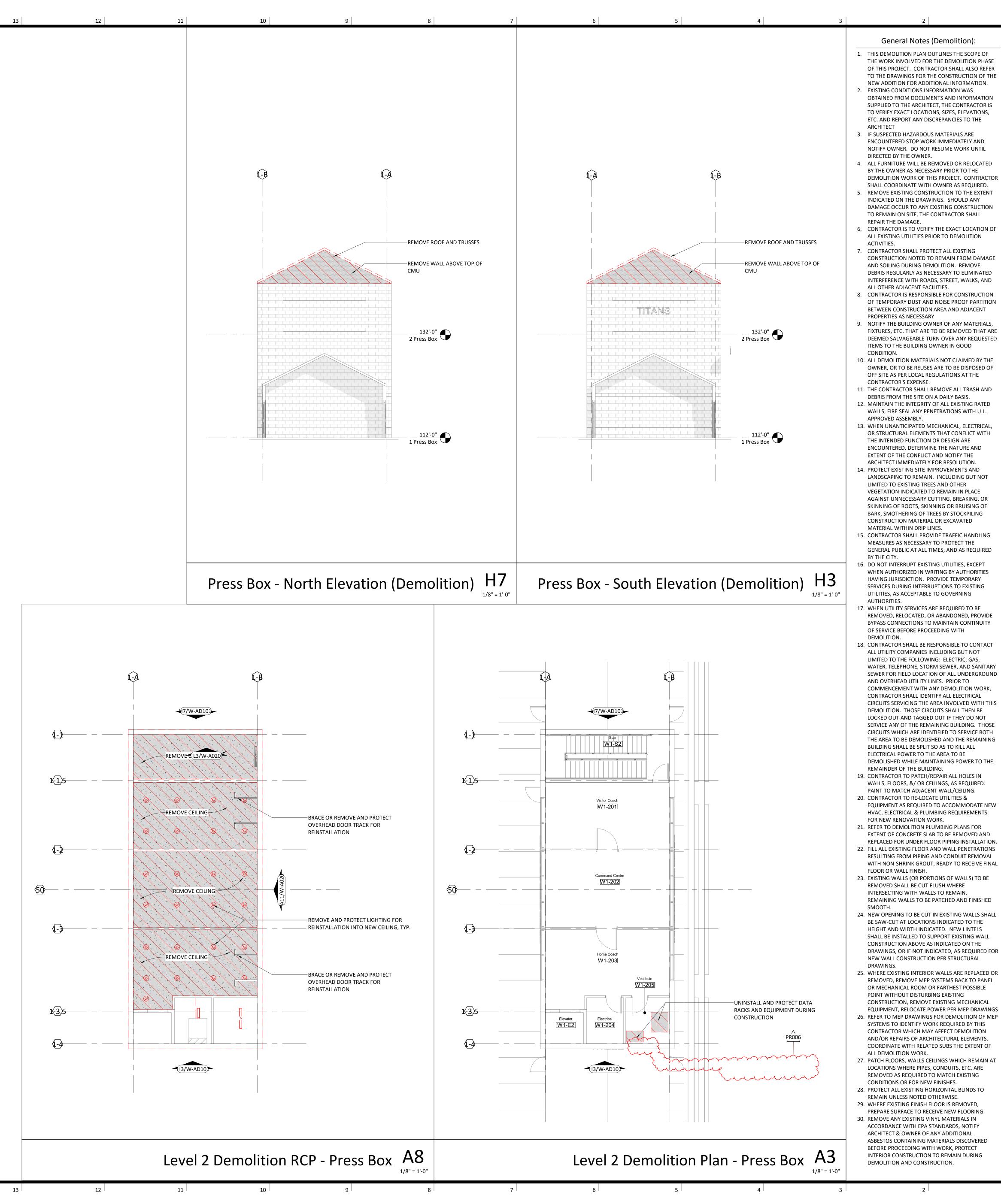
General Notes (Demo Site Plan):

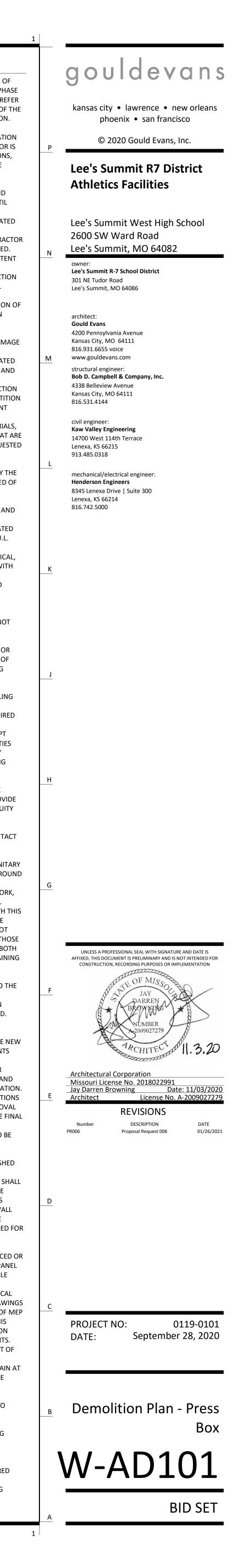
- 1. DEMOLITION OF ELEMENTS ON THIS PLAN ARE LOCATED TO THE BEST OF OUR KNOWLEDGE AND SHOULD BE VERIFIED IN FIELD BEFORE BEGINNING
- DEMOLITION. . PROTECT SITE ELEMENTS THAT ARE EXISTING TO REMAIN FROM DAMAGE. INCLUDING BUT NOT LIMITED TO, EXISTING FENCE & GATES, EXISTING BLEACHERS, EXISTING ATHLETICS TRACK, EXISTING
- SCOREBOARD, ETC. 3. ALL GATES ASSOCIATED WITH FENCE TO BE DEMOLISHED SHALL ALSO BE DEMOLISHED, VERIFY IN FIELD.
- 4. ALL FENCE TO BE REPLACED IN PLACE SHALL ALSO HAVE ANY CORRESPONDING GATES REPLACED. RE: W-AS201, VERIFY IN FIELD. 5. FILL ALL POST HOLES AFTER DEMOLITION OF FENCE POSTS.



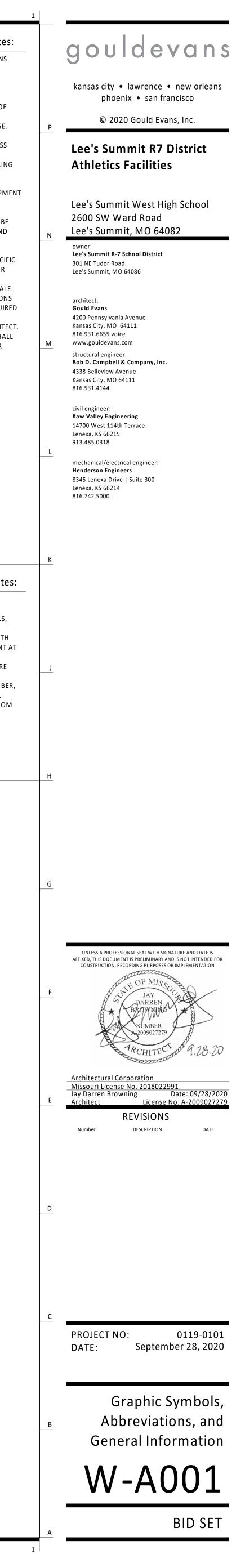
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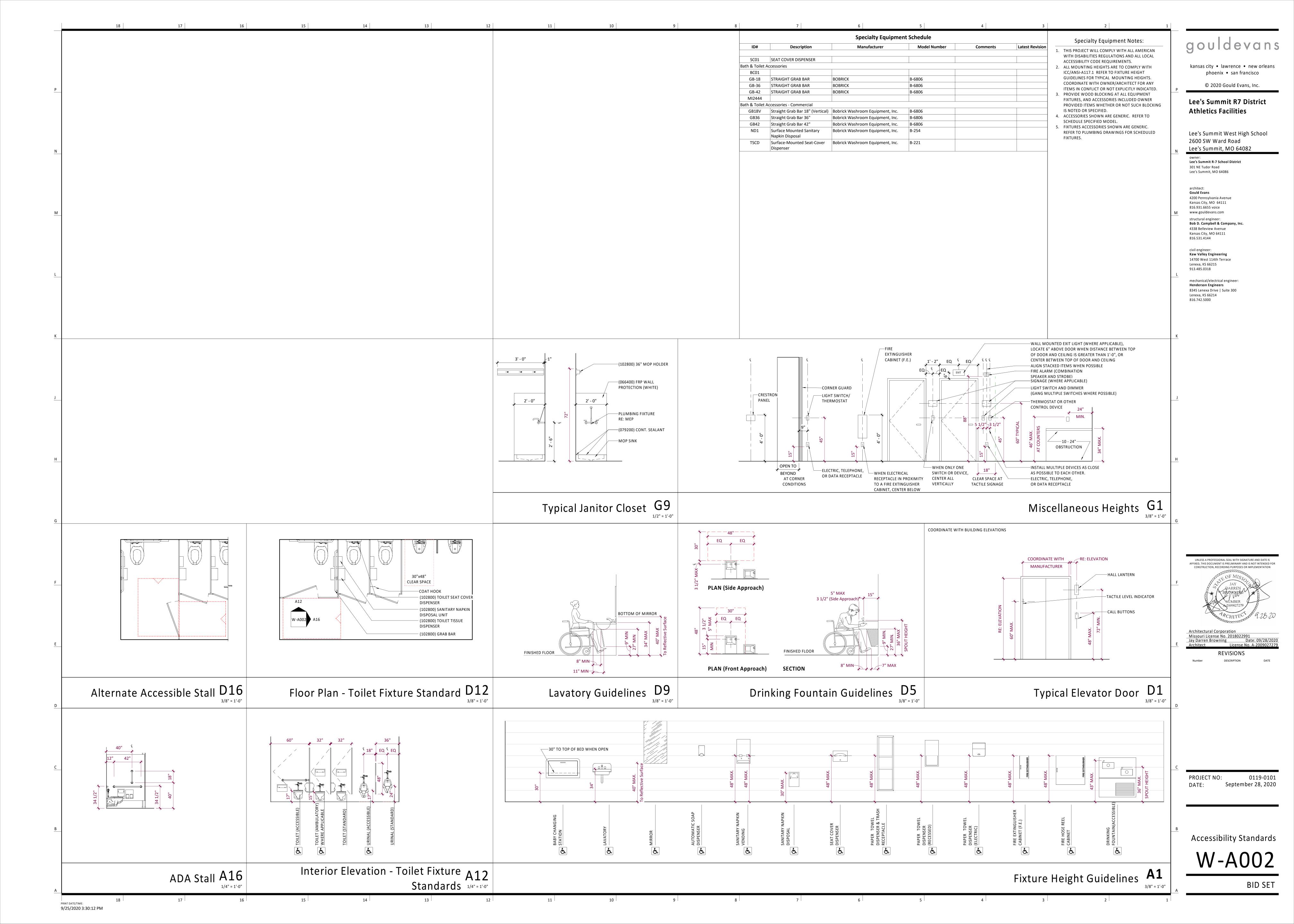
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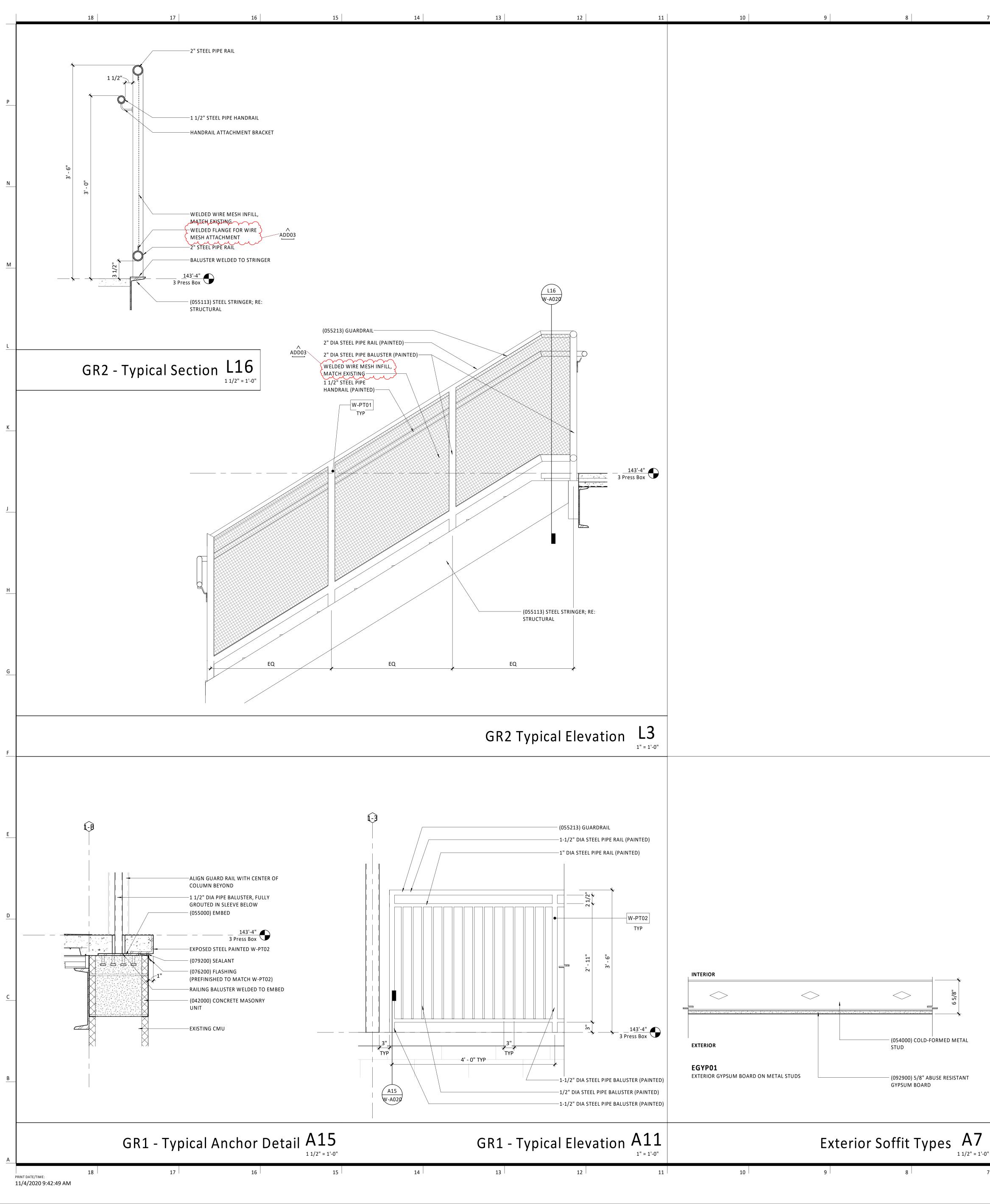


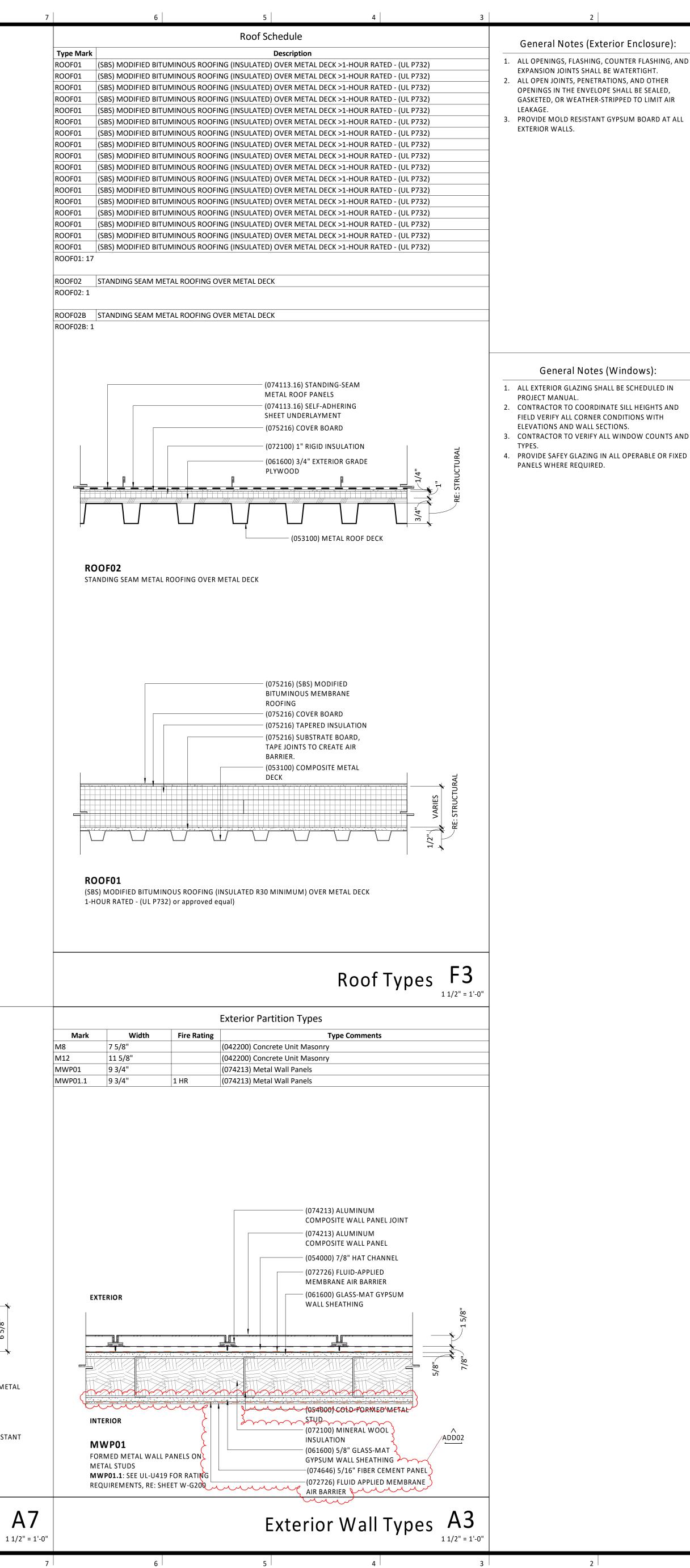


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| - | Α | D | Abbreviations | P | т | Graphic Symbols | Materials Graphics | | General Architectural Drawing Notes: |
| | @ ATA/C AIR CONDITION(ING) (ED) | D DEEP, DEPTH DBL DOUBLE | HB HOSE BIBB HC HANDICAP, HOLLOW CORE | PA PUBLIC ADDRESS PAR PARALLEL | T TREAD T & B TOP AND BOTTOM | 01 GENERAL | 02 SITE CONSTRUCTION | | 1. VERIFY DIMENSIONS AND EXISTING CONDITIONS BEFORE COMMENCING WORK. REPORT DISCREPANCIES TO THE ARCHITECT PRIOR TO |
| | A/C UNIT AIR CONDITIONING UNIT AB ANCHOR BOLT | DEG DEGREE DEMO DEMOLITION | HCP HANDICAPPED HD HEAVY DUTY | PART PARTIAL PAT PATTERN | T & G TONGUE AND GROOVE TB THROUGH BOLT, TOWEL BAR | NEW WALL | | | PROCEEDING WITH AFFECTED WORK. 2. BUILDING FLOOR PLAN DIMENSIONS ARE |
| | ABBVR ACC ACCESSIBLE | DEPT DEPARTMENT DET DETAIL | HDW HARDWARE HDWD HARDWOOD | PC PLUMBING CONTRACTOR PERF PERFORATED | TECH TECHNICAL, TECHNOLOGY TEL TELEPHONE | EXISTING WALL TO BE | EARTH (backfill) | | REFERENCED FROM STRUCTURAL GRID, FACE OF CONCRETE, FACE OF MASONRY, OR FACE OF FINISHED SURFACE, UNLESS NOTED OTHERWISE. |
| <u>P</u> | ACCU AIR COOLED CONDENSING UNIT ACI AMERICAN CONCRETE | DF DRINKING FOUNTAIN DH DOUBLE HUNG | HM HOLLOW METAL HO HOLD OPEN | PERIM PERIMETER PL PLATE, PROPERTY LINE | TEMP TEMPORARY, TEMPERATURE TERR TERRAZZO | EXISTING WALL | 03 CONCRETE | | 3. REFLECTED CEILING PLAN DIMENSIONS ARE REFERENCED FROM FINISHED SURFACES UNLESS |
| | INSTITUTE ACOUS ACOUSTICAL INSULATION INSUL | DIA or Ø DIAMETER DIFF DIFFERENCE | HORIZ HORIZON HR HOUR | PL GL PLATE GLASS PLAM PLASTIC LAMINATE | THERM THERMAL THK THICKNESS | 1 SIM BUILDING SECTION | CAST-IN-PLACE CONCRETE | | NOTED OTHERWISE. CEILING HEIGHTS ARE DIMENSIONED FROM FLOOR TO FINISHED CEILING |
| | ACOUS PNL ACOUSTICAL PANEL ACST ACOUSTIC | DIM DIMENSION DIR DIRECTION | HSS HOLLOW STRUCTURAL SECTION HT HEIGHT | PLAS PLASTER, PLASTIC PLBG PLUMBING | THRU THROUGH TK BD TACK BOARD | A101 | PRECAST CONCRETE | | HEIGHT. 4. CASEWORK, PLUMBING FIXTURES, TOILET PARTITIONS, AND OTHER FIXTURES AND EQUIPMENT |
| | ACT ACOUSTICAL CEILING TILE ADA AMERICANS WITH DISABILITIES | DISP DISPENSER DIST DISTANCE DIV DIVIDE, DIVISION | HVAC HEATING, VENTILATING AND AIR CONDITIONING HW HOT WATER | PLYWD PLYWOOD PNL PANEL POL POLISHED | TMPDTEMPEREDTMPD GLTEMPERED GLASSTOCTOP OF CONCRETE | 1 SIM WALL SECTION | 04 MASONRY | | ARE DIMENSIONED FROM FINISHED SURFACES UNLESS NOTED OTHERWISE. |
| <u>N</u> | ACT ADDL ADDITIONAL | DL DEAD LOAD DMPF DAMPPROOFING | HYD HYDRANT | POLY POLYETHYLENE (PLASTIC) PORC PORCELAIN | TOF TOP OF FOOTING, TOP OF FLOOR, TOP OF FRAME | A101 SIM | BRICK | | 5. DIMENSIONS NOTED AS "FIELD VERIFY" SHALL BE CHECKED AT THE SITE BY THE CONTRACTOR AND REVIEWED WITH THE ARCHITECT BEFORE |
| | ADDM ADDENDUM ADH ADHESIVE | DMPR DAMPER DN DOWN | I ID INSIDE DIAMETER | PORT PORTABLE POS POSITIVE | TOMTOP OF MASONRYTOPOTOPOGRAPHY | A101 DETAIL SECTION | CONCRETE MASONRY UNITS | | INCORPORATING INTO THE WORK. 6. DIMENSIONS NOTED AS "CLEAR" REQUIRE SPECIFIC |
| | ADJ ADJUSTABLE, ADJACENT AE ARCHITECT/ ENGINEER | DO DITTO DOC DOCUMENT | IN INCHES INCAND INCANDESCENT | PR PAIR PRCST PRECAST | TOSTOP OF STEELTPDTOILET PAPER DISPENSER | | STONE | | COORDINATION BETWEEN DISCIPLINES AND/OR MANUFACTURERS. 7. DRAWINGS NOTED AT "N.T.S." ARE NOT TO SCALE. |
| | AFF ABOVE FINISHED FLOOR AGGR AGGREGATE | DOZ DOZEN DR DOOR | INCL INCLUDE INFO INFORMATION | PREFAB PREFABRICATED PREFIN PREFINISHED | TV TELEVISION TYP TYPICAL | A101 | CAST STONE | | 8. DO NOT SCALE DRAWING. WRITTEN DIMENSIONS TAKE PRECEDENCE. IF CLARIFICATION IS REQUIRED |
| | AHJ AUTHORITIY HAVING JURISDICTION AHU AIR HANDLING UNIT | DS DOWNSPOUT DSGN DESIGN | INSUL INSULATION INT INTERIOR | PRELIM PRELIMINARY PRKG PARKING | U | | GROUT | | IN ORDER TO DETERMINE THE INTENT OF THE CONTRACT DOCUMENTS, CONTACT THE ARCHITECT. 9. NOTES OR DIMENSIONS LABELED "TYPICAL" SHALL |
| <u>M</u> | AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION | DT DRAIN TILE DW DISH WASHER | INTERM INTERMEDIATE | PROJ PROJECT PROP PROPERTY | U HEAT TRANSFER COEFFICIENT UC UNDERCUT | A1/A101 EXTERIOR ELEVATION TAG | 05 METALS | | APPLY TO SITUATIONS THAT ARE THE SAME OR SIMILAR. |
| | ALT ALTERNATE ALUM ALUMINUM | DWG DRAWING | J JAN JANITOR JAN CLO JANITOR CLOSET | PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH | UGND UNDERGROUND UH UNIT HEATER UL UNDERWRITERS LABORATORIES | 1 (Ref) | ALUMINUM STEEL | | |
| | ANOD ANNODIZED APC ACOUSTICAL PANEL CEILING | E EAST EA EACH | JNT JOINT JR JUNIOR | PT POST TENSIONED PTD PAPER TOWER DISPENSER PTN PARTITION | UNFIN UNFINISH(ED) UNO UNLESS NOTED OTHERWISE | 1 (Ref) 1 (Ref) INTERIOR ELEVATION TAG | 06 WOODS AND PLASTICS | | |
| | ARCH ARCHITECT(URAL) ASL ABOVE STRUCTURAL LEVEL | EA EACH EC ELECTRICAL CONTRACTOR EF EACH FACE | JST JOIST | PVC POLYVINYL CHLORIDE (PLASTIC) PWR POWER | UTIL UTILITY UV UNIT VENTILATOR | | CONTINUOUS WOOD | | |
| L | AWT ACOUSTICAL WALL TREATMENT | EIFS EXTERIOR INSULATION AND FINISH SYSTEM | K KD KNOCK DOWN | 0 | V | (Ref) | INTERMITTENT WOOD | | |
| | B BD BASE BOARD | EJ EXPANSION JOINT EL ELEVATION | KIP 1000 POUNDS KIT KITCHEN | QT QUARRY TILE QTR QUARTER | V VOLT VAR VARIES, VARIATION | BREAK LINE | FINISH WOOD | | |
| | B/B BACK-TO-BACK BAT BATTEN BD BOARD | ELEC ELECTRIC(AL) ELEM ELEMENTARY | KO KNOCK OUT KPL KICK PLATE | QTY QUANTITY | VBVINYL BASEVCTVINYL COMPOSITE TILE | Room name 101 ## # EXTERIOR WALL TYPE & | HARDBOARD | | |
| | BD BOARD BDRM BEDROOM BITUM BITUMINOUS | ELEV ELEVATOR ENAM ENAMEL | L | R RISER, RADIUS, HEAT | VENT VENTILATION VERT VERTICAL | ##.# EXTERIOR WALL TYPE & INTERIOR PARTITION TYPE SYMBOL | + + + + + (MDF) | | |
| | BLDG BUILDING BLKG BLOCKING | ENCL ENCLOSURE ENGR ENGINEER | L LITER, ANGLE LAB LABORATORY | RESISTANCE RA RETURN AIR | VEST VESTIBULE VIF VERIFY IN FIELD | Type WINDOW TYPE SYMBOL | PARTICLE BOARD | | |
| K | BM BENCHMARK, BEAM BOT BOTTOM | ENVIR ENVIRONMENT EOS EDGE OF SLAB | LAM LAMINATE(D) LAV LAVATORY | RAD RADIATOR RB RUBBER BASE, RESILIENT BASE | VOC VOLATILE ORGANIC COMPOUND VOL VOLUME | BENCHMARK/SPOT ELEV. SYMBOL | SOLID SURFACE MATERIAL | | |
| | BRG BEARING BRZ BRONZE | EP ELECTRIC PANEL EPDM ETHYLENE PROPYLENE DIENE MONOMER | LBL LABEL LBS POUND | RCROOFING CONTRACTORRCPREFLECTED CEILING PLANRDROOF RRAIN | VOL VOLOME VR VAPOR RETARDER VUH VERTICAL UNIT HEATER | XX COLUMN LINE/GRID INDICATOR | 07 THERMAL & MOISTURE PROTECTION | | General Materials & Equipment Notes: 1. PROVIDE GALVANIC PROTECTION BETWEEN |
| | BSMT BASEMENT BTWN BETWEEN | EPS EXPANDED POLYSTYRENE BOARD | LD LOAD LF LINEAR FEET LH LATENT HEAT, LEFT HAND | RDROOF DRAINRECRECESSEDREC RMRECREATION ROOM | VWC VERTICAL WALL COVERING | A REVISION INDICATOR | BATT INSULATION | | DISSIMILAR METALS. 2. INSTALL PIPING AND CONDUIT TIGHT TO WALLS, |
| | BURBUILT-UP ROOFINGBWBOTH WAYS | EQ EQUAL EQUIP EQUIPMENT | LIB LIBRARY LIN LINEAR | REF REFRIGERATOR REG REGISTER, REGULATION | W W WATT, WEST | 101A DOOR TAG ELEVATION ELEVATION | | | COLUMNS AND ROOF DECK. 3. SEAL ALL PIPE OR CONDUIT PENETRATIONS WITH APPROPRIATE SEALANT. PROVIDE FIRE SEALANT AT |
| J | C CADINET | EQUIV EQUIVALENT ETC ET CETERA | LKR LOCKER LKR RM LOCKER ROOM | REINF REINFORCE REQD REQUIRED | W/ WITH W/O WITHOUT | LEVEL NAME FLOOR LEVEL SYMBOL 1t CEILING HEIGHT SYMBOL | RIGID INSULATION | | RATED PARTITIONS. 4. PLYWOOD AND WOOD BLOCKING SHALL BE FIRE |
| | CABCABINETCBCARRIAGE BOLT, CATCH BASINCCTVCLOSED-CIRCUIT TELEVISION | ETR EXISTING TO REMAIN EW EACH WAY | LL LIVE LOAD LLH LONG LEG HORIZONTAL | RESIL RESILIENT REV REVISION | W/WWALL TO WALLWBWOOD BASE | 1'-0"A.F.F. PLAN NORTH NORTH ARROWS | GLASS | | RESISTANT. 5. DO NOT CUT OR DRILL ANY STRUCTURAL MEMBER, OTHER THAN DESCRIBED ON THE STRUCTURAL |
| | CD CONSTRUCTION DOCUMENTS, CONTRACT DOCUMENTS | EWCELECTRIC WATER COOLEREWHELECTRIC WATER HEATEREVCEVCAUATE | LLV LONG LEG VERTICAL LT LINOLEUM TILE, LIGHT | RFG ROOFING RFI REQUEST FOR INFORMATION | WC WALL COVERING, WATER CLOSET | | 09 FINISHES | | DRAWINGS, WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER. |
| | CEM CEMENT CERT CERTIFY, CERTIFICATE, | EXC EXCAVATE EXH EXHAUST EXIST EXISTING | LTG LIGHTING | RFPREQUEST FOR PROPOSALRHRIGHT HAND, ROOF HATCH | WD WOOD WDW WINDOW WF WIDE FLANGE | | LATH AND PLASTER | | |
| | CERTIFICATION CF/CI CONRACTOR FURNISHED/ | EXP EXPAND, EXPANSION EXT EXTERIOR | M MACH MATCHLINE | RM ROOM RO ROUGH OPENING | WH WATER HEATER, WALL HUNG WI WROUGHT IRON | | GYPSUM BOARD | | |
| H | CONTRACTOR INSTALLED CF/OI CONTRACTOR FURNISHED/ OWNER INSTALLED | F | MACH RM MACHINE ROOM MAHOG MAHOGANY MAINT MAINTENANCE | ROWRIGHT OF WAYRTFRUBBER TILE FLOORRTUROOF TOP UNIT | WM WIRE MESH WP WATER PROOFING, | 1 1/2" DIMENSION | | | |
| | CG CORNER GUARD CH COAT HOOK | F/F FACE-TO-FACE FA FIRE ALARM | MAINT MAINTENANCE MATL MATERIAL MAX MAXIMUM | RV ROOF VENT RW RESCUE WINDOW | WEATHERPROOF WR WATER REPELENT, WEATHER | ALIGN ALIGN ALIGN TWO WALLS OR | | | |
| | CHBD CHALK BOARD CHEM CHEMICAL | FAAP FIRA ALARM ANNUNCIATOR PANEL | MB or MKR MARKERBOARD BD | RWB RUBBER WALL BASE | RESISTANT WSCT WAINSCOT | ALIGN TWO WALLS OR OBJECTS | | | |
| | CI CAST IRON CIP CAST-IN-PLACE | FACPFIRE ALARM CONTROL PANELFCUFAN COIL UNIT | MC MECHANICAL CONTRACTOR MDF MEDIUM DENSITY FIBERBAORD | S S SOUTH | WT WEIGHT WWF WELDED WIRE FABRIC | | | | |
| G | CJ CONTROL JOINT, CONSTRUCTION JOINT | FD FLOOR DRAIN FE FIRE EXTINGUISHER | MDO MEDIUM DENSITY OVERLAY ME MATCH EXISTING | SABSOUND ATTENUATION BATTSSANSANITARY | WWM WELDED WIRE MESH | | | | |
| | CL CENTER LINE CLG CEILING | FEC FIRE EXTINGUISHER CABINET FIN FINISH | MECH MECHANICAL MECH RM MECHANICAL ROOM | SC SOLID CORE, SHADING COEFFICIENT | X BY | | | | |
| | CLO CLOSET CLR CLEAR | FIXT FIXTURE FLOUR FLOURESCENT FLR FLOOR | MFR MANUFACTURER MIN MINIMUM | SCHED SCHEDULE SD SOAP DISPENSER | Y Y YD | | | | |
| | CLRM CLASSROOM CMU CONCRETE MASONRY UNIT CNR CORNER | FNDN FOUNDATION FO FINISHED OPENING | MISC MISCELLANEOUS MM MILIMETER | SECT SECTION SF SQUARE FOOT, SAFETY FACTOR | | | | | |
| | CNTR COUNTER COL COLUMN | FRJS FIRE RESISTIVE JOINT SYSTEM FRP FIBERGLASS REINFORCED | MO MASONRY OPENING MOD BIT MODIFIED BITUMEN MTD MOUNTED | SGT STRUCTURAL GLAZED TILE SHR SHOWER SHT SHEET | | | | | |
| F | CONC CONCRETE CONF CONFERENCE | PLASTIC FRTW FIRE RETARDANT TREATED | MTL METAL, MATERIAL MULL MULLION | SIM SIMILAR SIM SANITARY NAPKIN DISPENSER | | | | | |
| | CONN CONNECT(ION) CONSTR CONSTRUCTION | WOOD FT FOOT, FEET | Ν | SOGSLAB ON GRADESPCSUSPENDED SPLASTER CEILING | | | | | |
| | CONT CONTINUOUS CONTR CONTRCT(OR) | FTG FOOTING FURN FURNITURE FW FIRE WALL | N NORTH NA NOT APPLICABLE | SPECSPECIFICATION(S)SPKRSPEAKER | | | | | |
| | COORD COORDINATE, COORDINATION CORR CORRIDOR | FWC FABRIC WALL COVERING | NIC NOT IN CONTRACT NO or # NUMBER | SQ SQUARE SST STAINLESS STEEL | | | | | |
| E | CPT CARPET CSK COUNTERSINK | G GA GAGE | NOM NOMINAL NORM NORMAL | STCSOUND TRANSMISSION CLASSSTDSTANDARDSTOPSTANDARD | | | | | |
| | CSWK CASEWORK CT CERAMIC TILE CTR CENTER | GAL GALLON GALV GALVANIZED | NTS NOT TO SCALE | STOR STORAGE STRM STOREROOM STRUCT STRUCTURAL | | | | | |
| | CTRL CONTROL CU CUBIC | GALV STL GALVANIZED STEEL GB GRAB BAR | O/A OVERALL O/O OUT TO OUT | SUB UBSTITUTE SUB FL SUBFLOOR | | | | | |
| | CUH CABINET UNIT HEATER CUST CUSTODIAL | GC GENERAL CONTRACTOR GEN GENERAL, GENERATOR | OC ON CENTER OD OUTSIDE DIAMETER | SUSP SUSPENDED SUSP CLG SUSPENDED CEILING | | | | | |
| | CW COLD WATER, CASEMENT WINDOW | GFCI GROUND FAULT CIRCUIT INTERRUPTER GFRC GLASS FIBER RINFORCED | OF/ OI OWNER FURNISHED/ OWNER INSTALLED | SVSAFETY VALVE, SHEET VINYLSWBDSWITCHBOARD | | | | | |
| D | | CONCRETE GFRG GLASS FIBER REINFORCED | OF/CI OWNER FURNISEHD/ CONTRACTOR INSTALLED | SY SQUARE YARD SYM SYMBOL | | | | | |
| | | GYPSUM GL GLASS, GROUND LEVEL | OFF OFFICE OH OVERHANG | SYS SYSTEM | | | | | |
| | | GL BLK GLASS BLOCK GLU LAM GLUED LAMINATED BEAM | OH DR OVERHEAD DOOR OPH OPPOSITE HAND | | | | | | |
| | | GLZ GLAZING GWT GLAZED WALL TILE | OPNG OPENING OPP OPPOSITE OPT OPTIONAL, OPTIMUM | | | | | | |
| C | | GYM GYMNASIUM GYP GYPSUM GYP BD GYPSUM BOARD | | | | | | | |
| | | GYP BD GYPSUM BOARD GYP PLAS GYPSUM PLASTER | | | | | | | |
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EXPANSION JOINTS SHALL BE WATERTIGHT. ALL OPEN JOINTS, PENETRATIONS, AND OTHER OPENINGS IN THE ENVELOPE SHALL BE SEALED,

. PROVIDE MOLD RESISTANT GYPSUM BOARD AT ALL

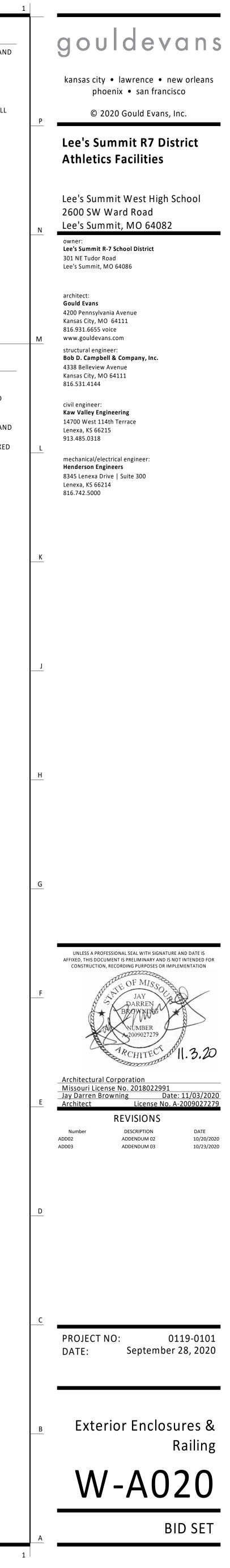
General Notes (Windows):

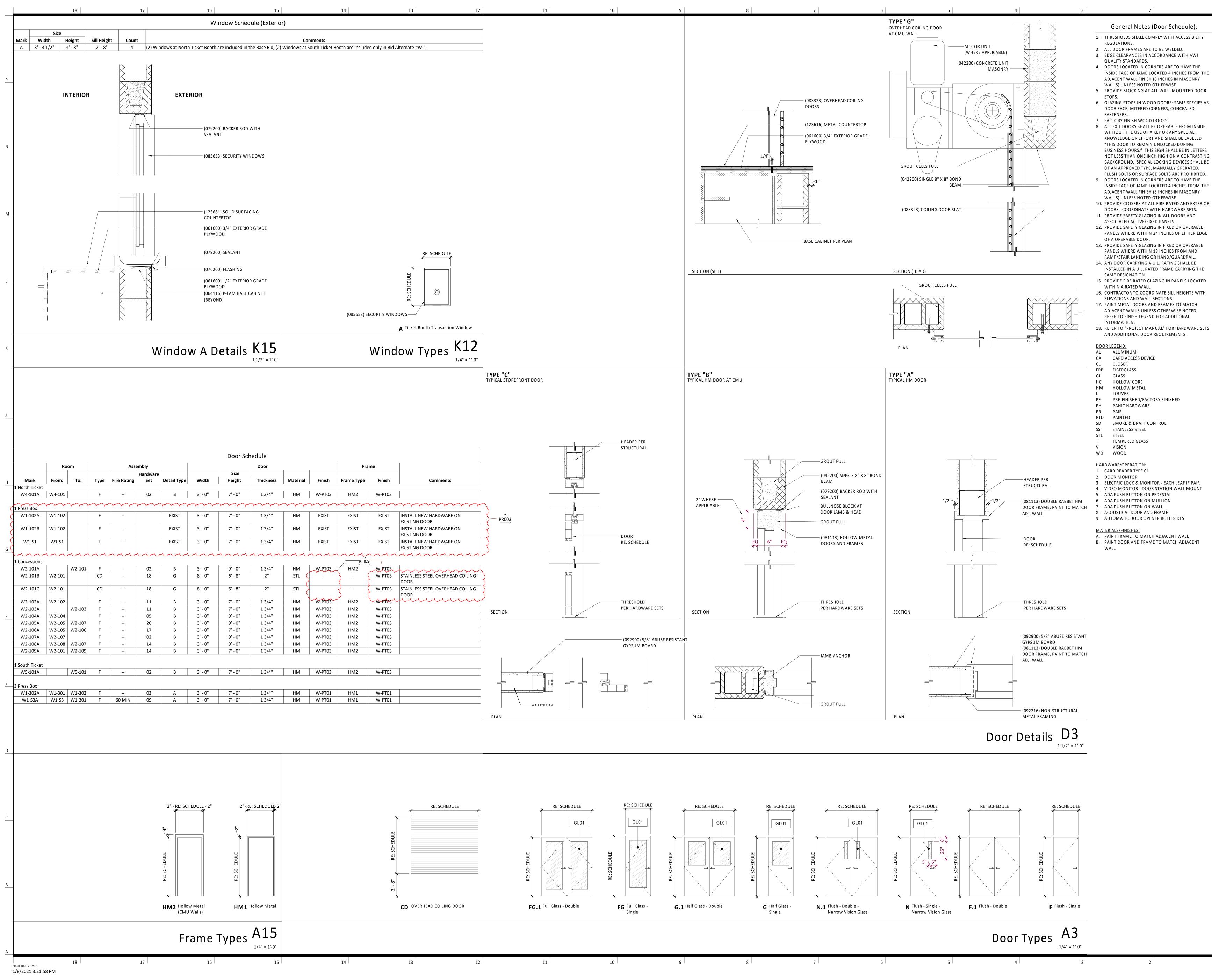
1. ALL EXTERIOR GLAZING SHALL BE SCHEDULED IN

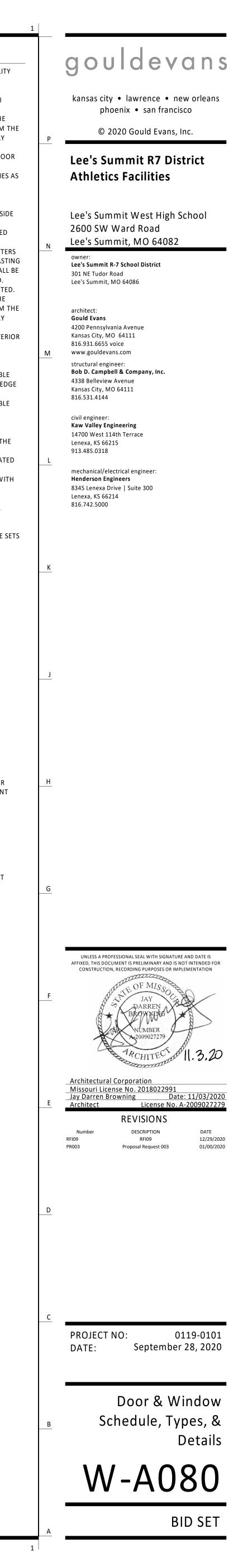
2. CONTRACTOR TO COORDINATE SILL HEIGHTS AND

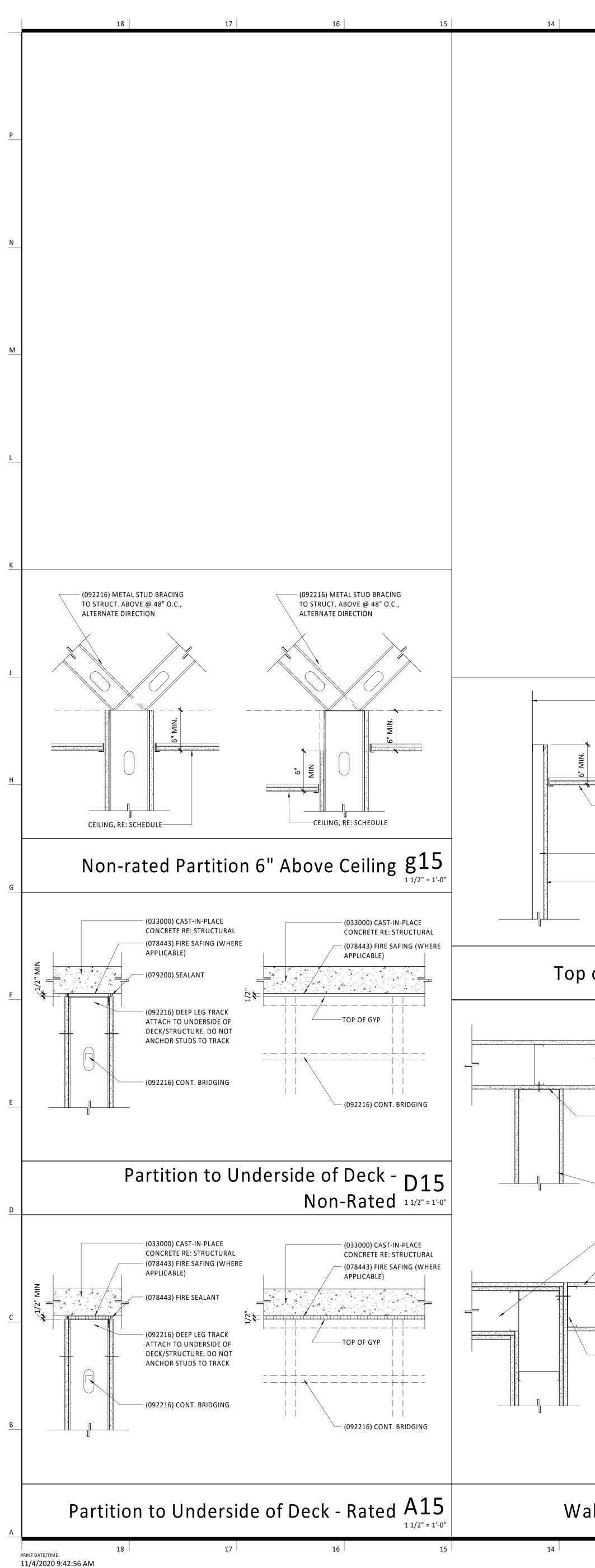
FIELD VERIFY ALL CORNER CONDITIONS WITH ELEVATIONS AND WALL SECTIONS. 3. CONTRACTOR TO VERIFY ALL WINDOW COUNTS AND

4. PROVIDE SAFEY GLAZING IN ALL OPERABLE OR FIXED

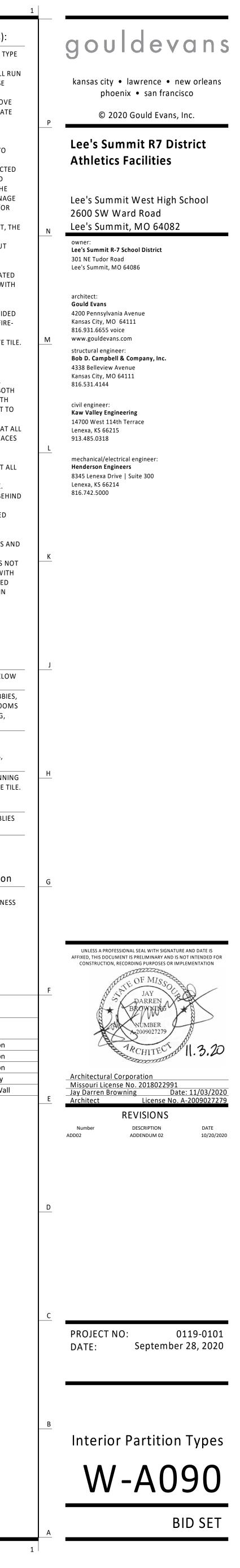


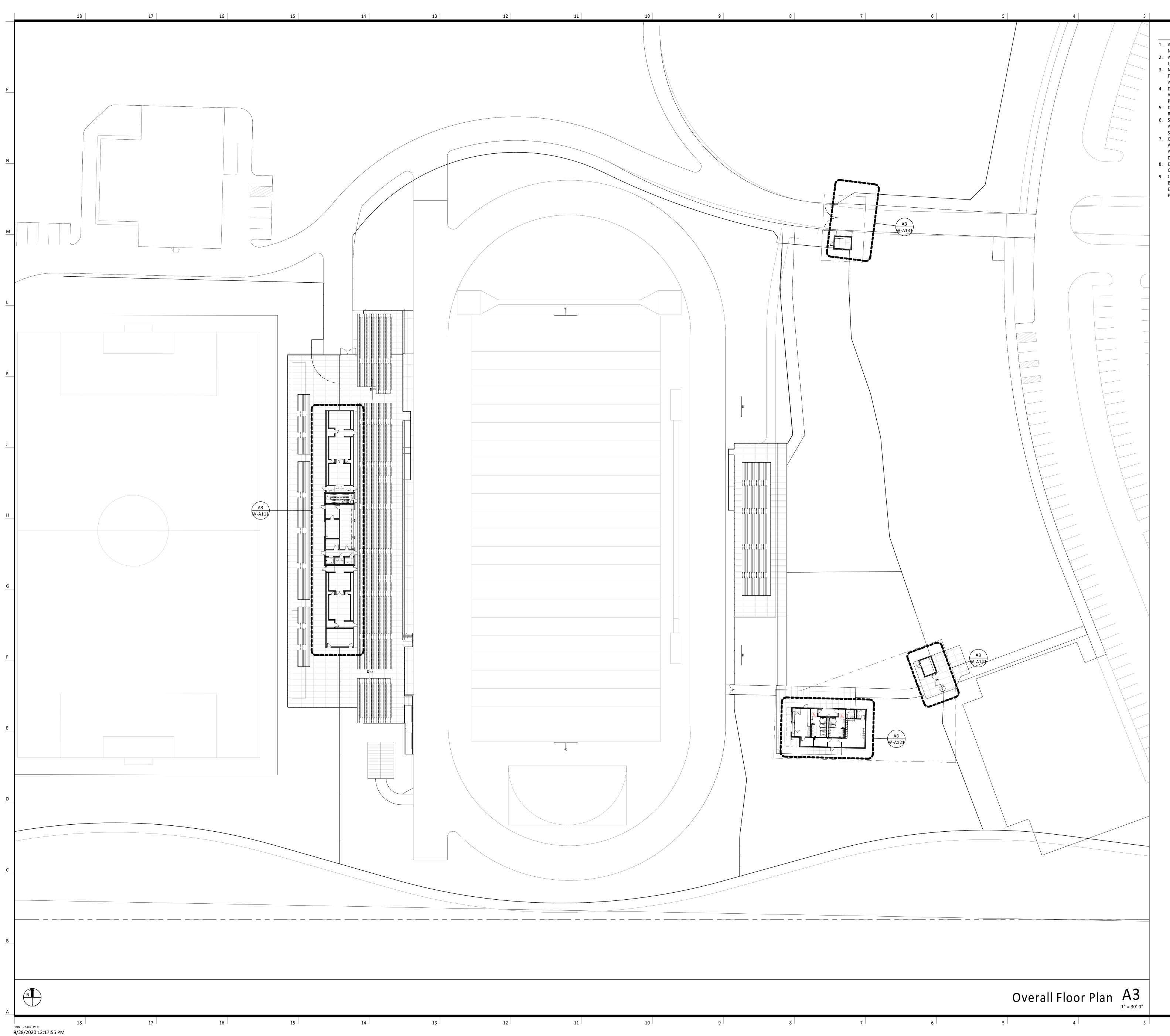






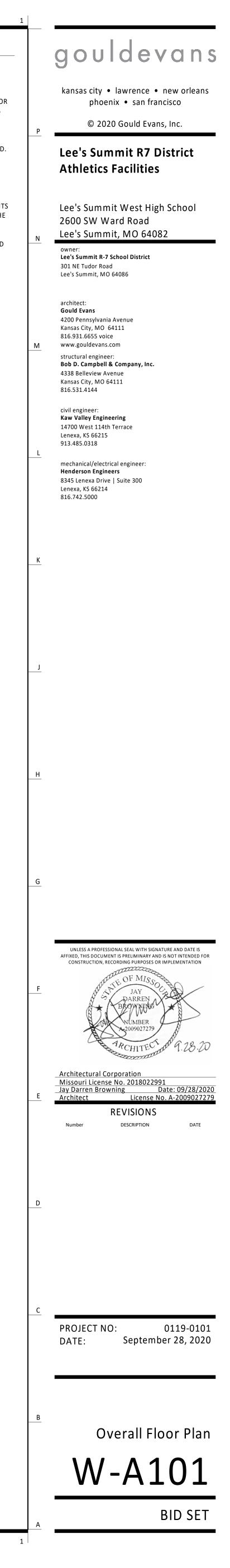
| | NOTES: | PARTITION IDENTIFICATION PLAN | M6 | M8 | M8.2 | | | | General Notes (Int |
|--|---|---|----------------------|------------------------|--------------------------|---------------------|--------------|------------|---|
| | 1. REFER TO STRUCTURAL FOR ADDITIONAL INFORMATION | SYMBOL BASE PARTITION THICKNESS | 5 5/8" | IVI 8 7 5/8" | IVI 8.2 7 5/8" | | | | 1. REFER TO PLANS/CODE PLA LOCATIONS. |
| | | MASONRY MATERIAL MASONRY SIZE (NOMINAL) | CMU 6x8X16 | CMU 8x8X16 | CMU 8x8X16 | | | | PARTITION TYPES DESIGNAT FROM CORNER TO CORNER NOTED. |
| | | | | 010000 | | | | | 3. PARTITIONS SHALL EXTEND AND SHALL BE CONSTRUCTE |
| | SEISMIC ANGLES PER | BEARING WALL | | - | - | | | | DEFLECTION UNLESS NOTED 4. FIRE-RESISTANCE-RATED PAF CONSTRUCTED IN ACCORDA |
| | STRUCTURAL (079200) JOINT SEALANTS | | | | | | | | REFERENCED ASSEMBLY DES CODE PLANS FOR MORE INFO |
| | (078443) FIRE SAFING (WHERE APPLICABLE) | | | | | | | | 5. FIRE-RATED WALLS REQUIRE OPENINGS SHALL BE PERMAI |
| | | FIRE RATING (HRS) FIRE TEST NUMBER | | - | 2 UL-U905 | | | | WITH SIGNS OR STENCILING AUTHORITY HAVING JURISDI SHOULD BE ABOVE ACCESSIE |
| | | FIRE TEST NUMBER (HEAD OF WALL) (078443) FIRE RESISTIVE JOINTS | - | - | HW-D-0155 YES | | | | BELOW ACCESSIBLE FLOORS. 6. WHERE DIFFERENT PARTITIO |
| | (042200) STARTER COURSE DOWELED TO SLAB RE: | | - | - | - | | | | PARTITION TYPE WITH THE G RESISTANCE RATING SHALL C INTERRUPTION. |
| | STRUCTURAL | | | - | - | | | | 7. PENETRATIONS OF FIRE-RESI ASSEMBLIES SHALL BE PROV |
| | | TO 6" ABOVE CEILING | NO | NO | NO | | | | PENETRATION PROTECTION AN APPROVED UNDERWRIT |
| | | TO STRUCTURE ABOVE | YES | YES | YES | | | | SYSTEM. 8. FIRE DAMPERS OR FIRE DOO WHERE AIR DUCTS OR OPEN |
| | PARTITION SYSTEM: | REMARKES: | | | | | | | RATED PARTITIONS. 9. AT ALL WET AREAS AND LOC |
| | CONCRETE MASONRY UNIT PARTITION | | | | | | | | COORDINATE THE SUBSTRAT PROJECT MANUAL. EXTEND MINIMUM OF 4'-0" BEYOND |
| | NOTES: | PARTITION IDENTIFICATION PLAN | |] | | | | | 10. USE ACOUSTICAL SEALANT A DUCTS, CONDUIT, JUNCTION SIDES OF CROSSING / PENET |
| | 1. REFER TO GYPSUM BOARD SCHEDULE FOR MORE INFORMATION 2. USE TYPE "X" GWB FOR ALL FIRE RATED PARTITIONS | SYMBOL | S2.1 | - | | | | | ACOUSTICAL RATINGS. COLO THE ADJACENT WALL COLOF 11. PROVIDE IMPACT RESISTAN |
| | | BASE PARTITION THICKNESS STUD SPACING (O.C.) | 3 1/8" 24" | - | | | | | EDGES OF PLASTER AND GYF WHERE IT TERMINATES OR N |
| | | STUD SIZE GWB THICKNESS | 2 1/2" CH 5/8" | - | | | | | MATERIAL, UNLESS NOTED (12. PROVIDE IMPACT RESISTAN OUTSIDE CORNERS OF PLAS |
| | ADD02 | SHAFT LINER THICKNESS | 1" | + • | | | | | BOARD SURFACES, UNLESS N 13. CONTRACTOR TO PROVIDE N |
| | (078443) FIRE SEALANT ADDO2 (092216) DOUBLE-RUNNER | | 5/16" | ₽ - | | | | | ALL TOILET ROOM ACCESSO HANDRAILS, WOOD TRIM, A |
| | SYSTEM (061600) 5/8" GLASS-MAT | | - | - | | | | | FIXTURES. 14. INSTALL CONTROL JOINTS IN CONSTRUCTION AS SHOWN |
| | GYPSUM WALL SHEATHING (074646) 5/16" FIBER | FIRE RATING (HRS) FIRE TEST NUMBER | 1 UL -U415 | 1 | | | | | IN PARTITIONS AND WALL F EXCEEDING 30 FEET, SPACIN |
| | CEMENT PANEL | FIRE TEST NUMBER (HEAD OF WALL) | HW-D-0584 | - | | | | | MORE THAN 30 FEET O.C. VI ARCHITECT. INSTALL CONTR ASSEMBLIES WHERE CONTR |
| | (092900) 1" GYPSUM CORE | (078443) FIRE RESISTIVE JOINTS | YES | - | | | | | BASE EXTERIOR WALL. |
| | BOARD (092216) 2 1/2" METAL RUNNER | | - | - | | | | | |
| | (078443) FIRE SEALANT | | - | - | | | | | Gypsum Board |
| | | | | - | | | | | 5/8" GYPSUM ALL LOCATIONS |
| CE OF WALL | PARTITION SYSTEM: | TO STRUCTURE ABOVE REMARKES: | YES | - | | | | | BOARD OR DETAILED OT 5/8" ABUSE HIGH TRAFFIC A RESISTANT PUBLIC CORRIDO |
| | GYPSUM SEPARATION PARTITION | | | | | | | | GYPSUM SUCH AS: JANIT MECHANICAL, E |
| | | | | | | | | | 5/8" GLASS "WET" WALLS N MAT BACKING PLUMBING FIXT |
| | NOTES: | PARTITION IDENTIFICATION PLAN | F1 | F4 | F4a | F6 | F6a | | BOARD FOUNTAINS, TO URINALS, ETC. 1/2" FIBER WALLS EXPOSEI |
| .ING, RE: SCHEDULE | 1. CONFIRM STUD SPACING WITH STRUCTURAL 2. WALLS AT EXTERIOR PRECAST MUST EXTEND TO STRUCTURE TO | SYMBOL BASE PARTITION THICKNESS | ► ⊥ 2 1/4" | F4 4 1/4" | +4a 4 1/4" | 6 5/8 | 6 5/8" | | CEMENT WATER AND SC BACKING BATHTUBS, SHO |
| | MAINTAIN THERMAL BARRIER. | STUD SPACING (O.C.) STUD SIZE | 16" 15/8" | 16" 3 5/8" | 16" 3 5/8" | 16" | 16" 6" | | PANELS 1" SHAFT INTERIOR OF SH |
| 2216) FURRED SPACE SEE | | GWB THICKNESS | 5/8" | 5/8" | 5/8" | 5/8" | 5/8" | | LINER PANELS |
| N FOR SIZE | (079200) SEALANT | FIBER CEMENT PANEL | | 5/16" | | | | | |
| TITION, RE: PLAN | (092216) 3 5/8" METAL RUNNER | FIRE RATING (HRS) | - | - | | | - | | Interior Partition Nar |
| | (061600) 5/8" GLASS-MAT | FIRE TEST NUMBER FIRE TEST NUMBER (HEAD OF WALL) | | - | - | - | | | NOMINAL STUD |
| | GYPSUM WALL SHEATHING | FIRE RESISTIVE JOINTS (079500) | | - | | - | - | | Ġ6.1 |
| ng Wall F12 | (074646) 5/16" FIBER CEMENT PANEL | | | - | 34 | | 37 | | |
| ng vvall i i i i i i i i i i i i i i i i i i | MEMBRANE AIR BARRIER | ACOUSTICAL TEST NUMBER RESILIENT CHANNELS | - | - | NGC2013012 | - | NGC2013021 | | |
| | (092216) 3 5/8" METAL RUNNER | INSULATION THICKNES | - | - | 3 1/2" | - | 6" VES | - | Interior Partit |
| | (079200) SEALANT | (079219) ACOUSTICAL JOINTS TO 6" ABOVE CEILING | YES | - YES | YES NO | - YES | YES NO | - | Fire Mark Width Rating |
| D WALL ASSEMBLY | | GWB STRUCTURE ABOVE STUDS TO STRUCTURE ABOVE | NO NO | NO* | YES YES | NO NO | YES YES | | F4 4 1/4" NR (092900) Gyp G4 4 7/8" NR (092900) Gyp |
| SHOWN) | PARTITION SYSTEM: | REMARKES: | | * SEE NOTE #2 | | * SEE NOTE #2 | | | G4.1 4 7/8" 1 HR (092900) Gyp M6 5 5/8" NR (042200) Con |
| | GYPSUM FURING PARTITION | | | | | | | | S2.1 3 1/8" 1 HR (092116) Gyp |
| 13) CONTINUE GYP. BD ND STUD - PROVIDE PER PENETRATION ECTION AT PENETRATIONS | NOTES: | PARTITION IDENTIFICATION PLAN | | | | | | | |
| IRE, CONDUIT, ETC. AT AREA | 1. CONFIRM STUD SPACING WITH STRUCTURAL 2. PROVIDE MOISTURE RESISTANT GWB IN WET AREAS | SYMBOL BASE PARTITION THICKNESS | G4 4 7/8" | G4a | G4.1 | G4.2 | G6 7 1/4" | | |
| RATED WALL | 3. EXTEND ALL FIRE RATED WALLS STRUCTURE TO STRUCTURE. \wedge | STUD SPACING (O.C.) | 16" | 16" | 16" | 16" | 16" | | |
| MBLY | 4. USE TYPE "X" GWB FOR ALL FIRE RATED PARTITIONS | STUD SIZE | 3 5/8" | 3 5/8" 5/8" | 3 5/8" 5/8" X | 3 5/8" (2) 5/8"X | 6" 5/8" | | |
| D WALL ASSEMBLY | (079200) SEALANT | FIBER CEMENT PANEL | 5/16" | - | - | - | - | | |
| RATED WALL | (092216) DOUBLE-RUNNER | | | | | | | | |
| MBLY | SYSTEM (092900) 5/8" ABUSE RESISTANT | FIRE RATING (HRS) FIRE TEST NUMBER | | - | 1 U419 | 2 U419 | - | | |
| | GYPSUM BOARD (061600) 5/8" GLASS-MAT | FIRE TEST NUMBER (HEAD OF WALL) (078443) FIRE RESISTIVE JOINTS | | - | HW-D-0218 YES | HW-D-0218 YES | - | | |
| | GYPSUM WALL SHEATHING (074646) 5/16" FIBER | ACOUSTIC RATING (STC) | | 44 | | | | | |
| | (072100) BATT INSULATION | ACOUSTICAL TEST NUMBER | | NGC2514 | | - | - | | |
| 13) CONTINUE GYP. BD ND STUD - PROVIDE VER PENETRATION | (072726) FLUID APPLIED MEMBRANE AIR BARRIER | RESILIENT CHANNELS INSULATION THICKNES | | NO 2 1/2" | | - | - | | |
| PER PENETRATION ECTION AT PENETRATIONS VIRE, CONDUIT, ETC. AT | (079200) SEALANT | ACOUSTICAL JOINTS (079219) TO 6" ABOVE CEILING | NO | YES NO | | - NO | | | |
| AREA | ADD02 | GWB STRUCTURE ABOVE | NO NO | YES | NO YES | YES | YES NO | | |
| | PARTITION SYSTEM: | STUDS TO STRUCTURE ABOVE REMARKES: | YES | YES | YES | YES | NO | | |
| | GYPSUM WALL BOARD PARTITION G | | | | | | | | |
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| ections A12 | | | | | | | | n Types A3 | |

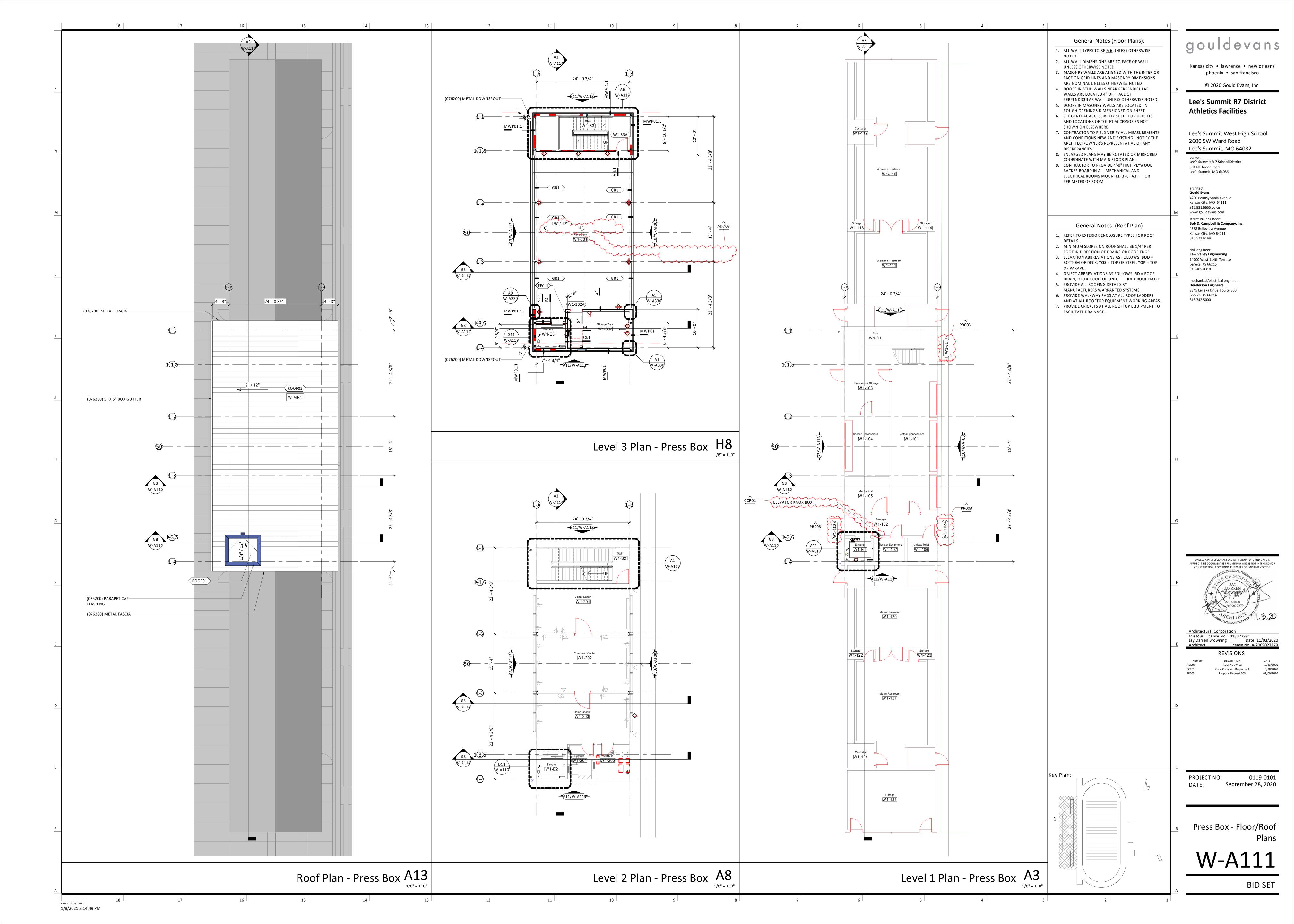




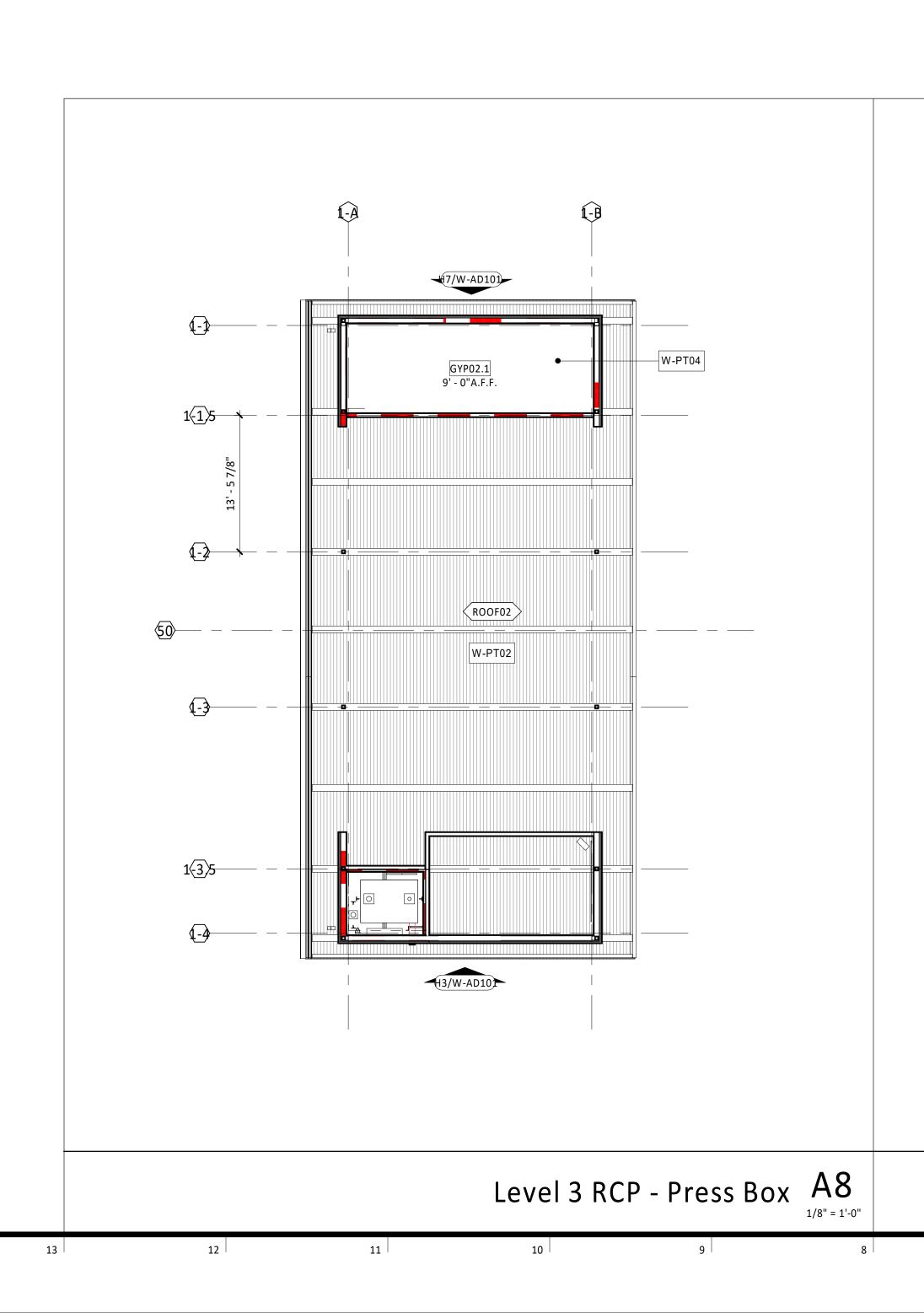
General Notes (Floor Plans): 1. ALL WALL TYPES TO BE <u>M6</u> UNLESS OTHERWISE NOTED. 2. ALL WALL DIMENSIONS ARE TO FACE OF WALL UNLESS OTHERWISE NOTED.

- 3. MASONRY WALLS ARE ALIGNED WITH THE INTERIOR FACE ON GRID LINES AND MASONRY DIMENSIONS ARE NOMINAL UNLESS OTHERWISE NOTED 4. DOORS IN STUD WALLS NEAR PERPENDICULAR
- WALLS ARE LOCATED 4" OFF FACE OF PERPENDICULAR WALL UNLESS OTHERWISE NOTED.
- 5. DOORS IN MASONRY WALLS ARE LOCATED IN ROUGH OPENINGS DIMENSIONED ON SHEET
- 6. SEE GENERAL ACCESSIBILITY SHEET FOR HEIGHTS AND LOCATIONS OF TOILET ACCESSORIES NOT SHOWN ON ELSEWHERE.
- 7. CONTRACTOR TO FIELD VERIFY ALL MEASUREMENTS AND CONDITIONS NEW AND EXISTING. NOTIFY THE ARCHITECT/OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES.
- 8. ENLARGED PLANS MAY BE ROTATED OR MIRRORED COORDINATE WITH MAIN FLOOR PLAN.
- 9. CONTRACTOR TO PROVIDE 4'-0" HIGH PLYWOOD BACKER BOARD IN ALL MECHANICAL AND ELECTRICAL ROOMS MOUNTED 3'-6" A.F.F. FOR PERIMETER OF ROOM



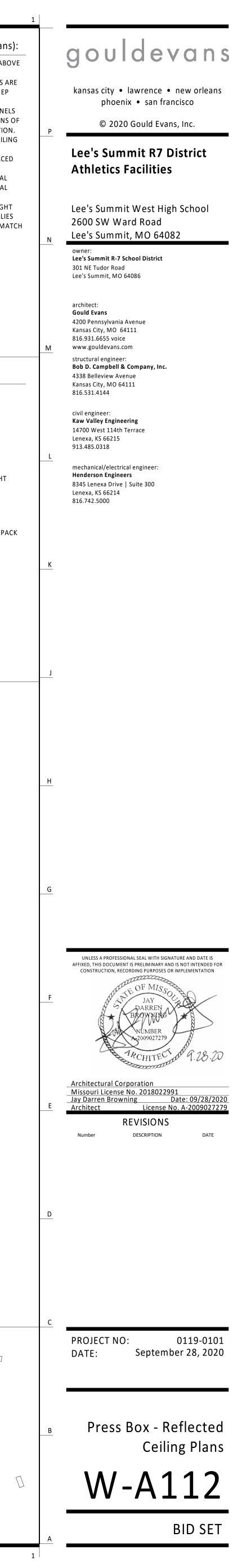


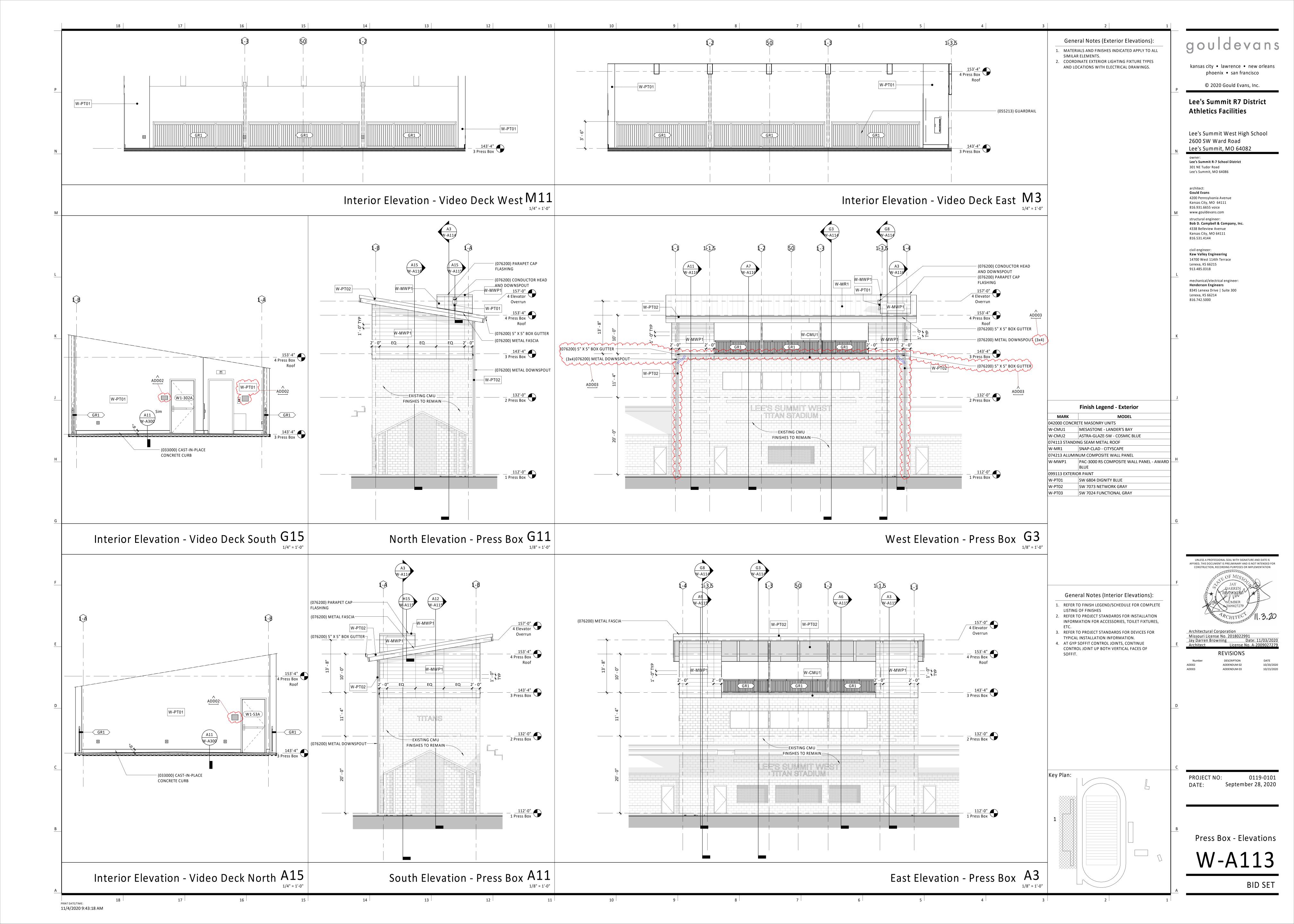
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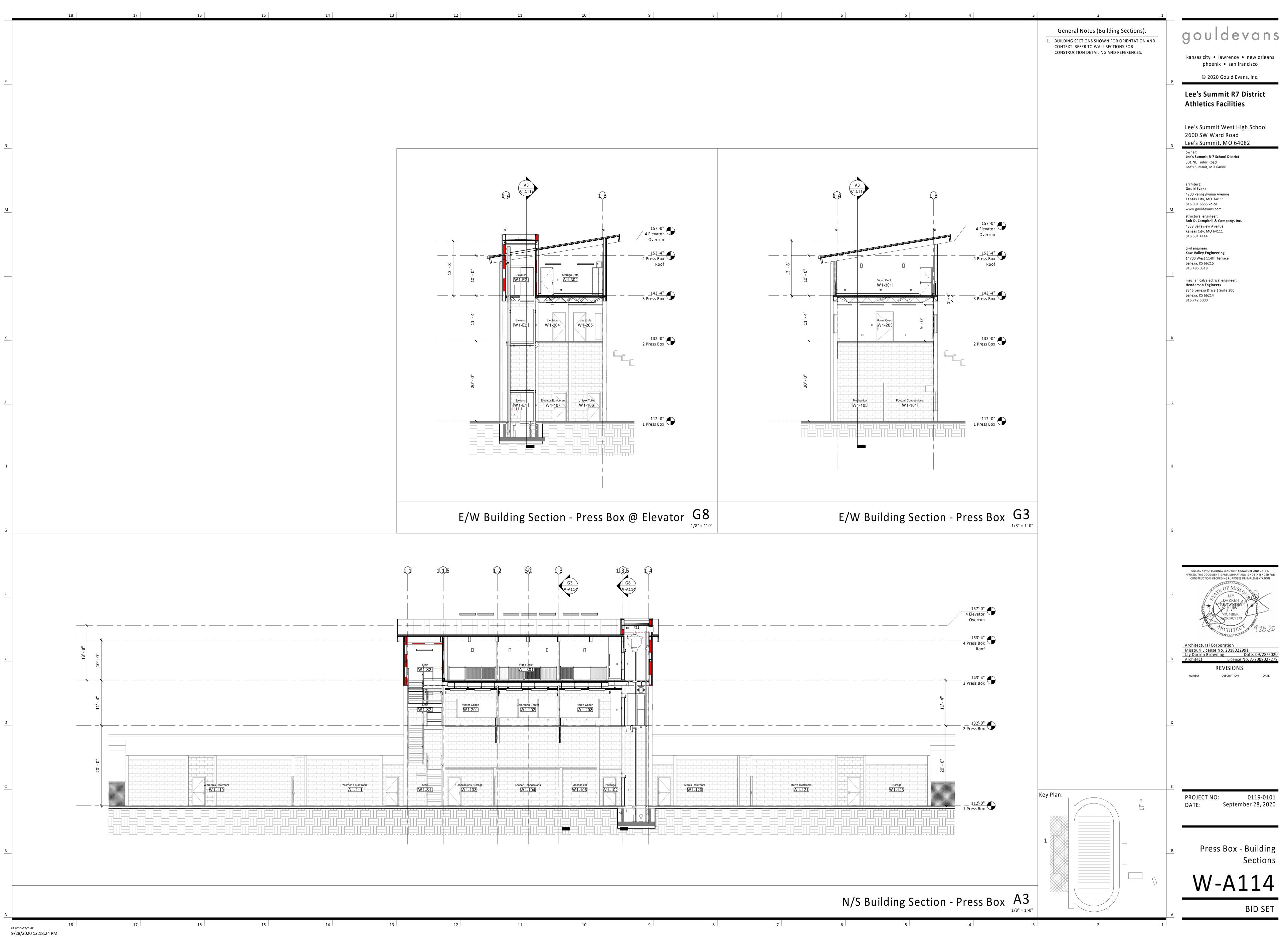


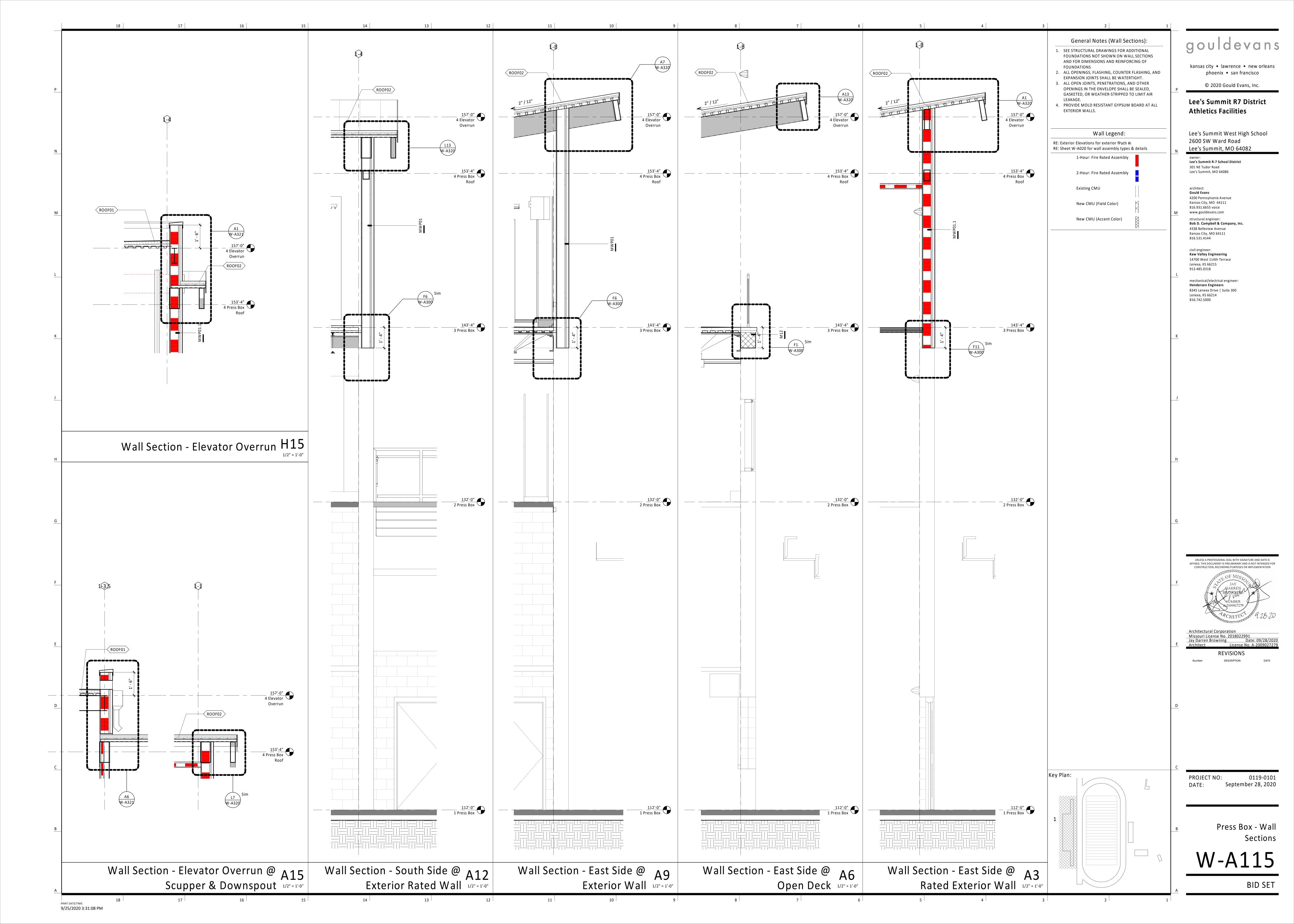
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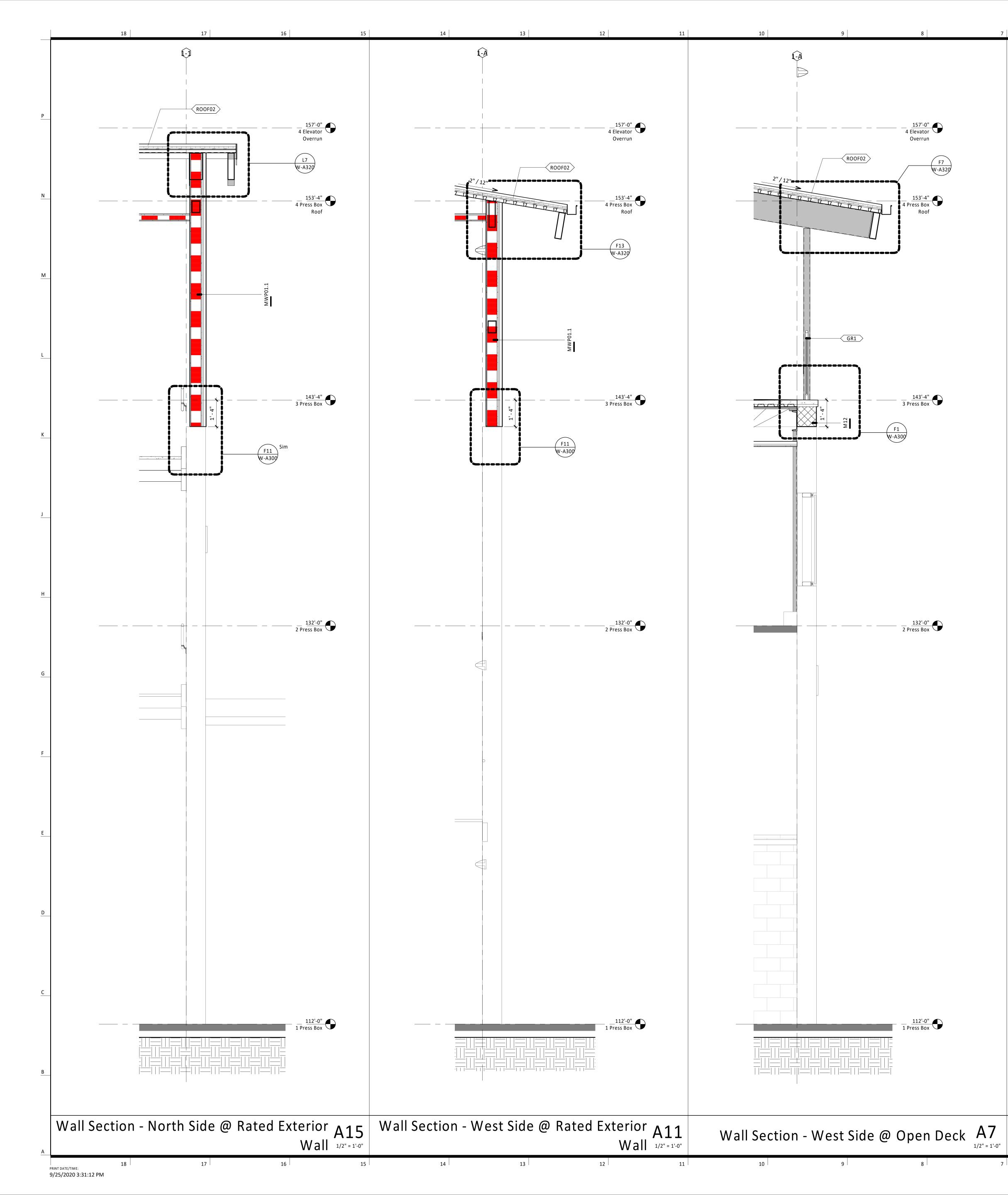
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| | | | | | General Notes (Re 1. ALL CEILING AND SOF FINISHED FLOOR ELEV 2. GENERALLY ONLY CEIL SHOWN ON THIS PLAT PLANS FOR ADDITION 3. VERIFY LOCATIONS OF WITH MEP DRAWINGS PANELS WITH ARCHIT ACCESS PANEL FIRE RA ASSEMBLY FIRE RATIN 4. LIGHTING FIXTURES TO EQUALLY UNLESS NOT 5. LIGHT FIXTURES ARE S PURPOSES ONLY COO DRAWINGS FOR FIXTU 6. IF PROJECT INCLUDES FIXTURES LOCATED IN | eflected Ceiling Plans) FIT HEIGHTS ARE GIVEN ABOV (ATION (EL. 0'-0") LING MOUNTED FIXTURES ARI N. COORDINATE WITH MEP IAL INFORMATION. F ALL CEILING ACCESS PANELS S. COORDINATE LOCATIONS O ECT PRIOR TO INSTALLATION. ATINGS MUST MATCH CEILING IGS. O BE CENTERED AND SPACED TED OTHERWISE. SHOWN FOR DIMENSIONAL IRDINATE WITH ELECTRICAL |
| | | | | | Lighting F | Fixture Legend: 2X4 FLORESCENT 2X2 FLORESCENT 2X2 FLORESCENT STRIP FLORESCENT RECESSED CAN LIGHT CEILING FAN EMERGENCY WALL PACH TRACK LIGHTING |
| | | | | | | STEP LIGHT COVE LIGHT |
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| 50) | √-> W-P⁻ → | | © © © © © © © © © © © © © © © © © © © | — — REINSTALL EXISTING LIGHTING IN NEW CEILING, TYP. | | |
| | ()→ | | © © © © © © © © © © © © © © © © © © © | PROVIDE FRAMING AND BACKING ABOVE CEILING FOR REINSTALLATION OF OVERHEAD DOOR TRACKS | | |
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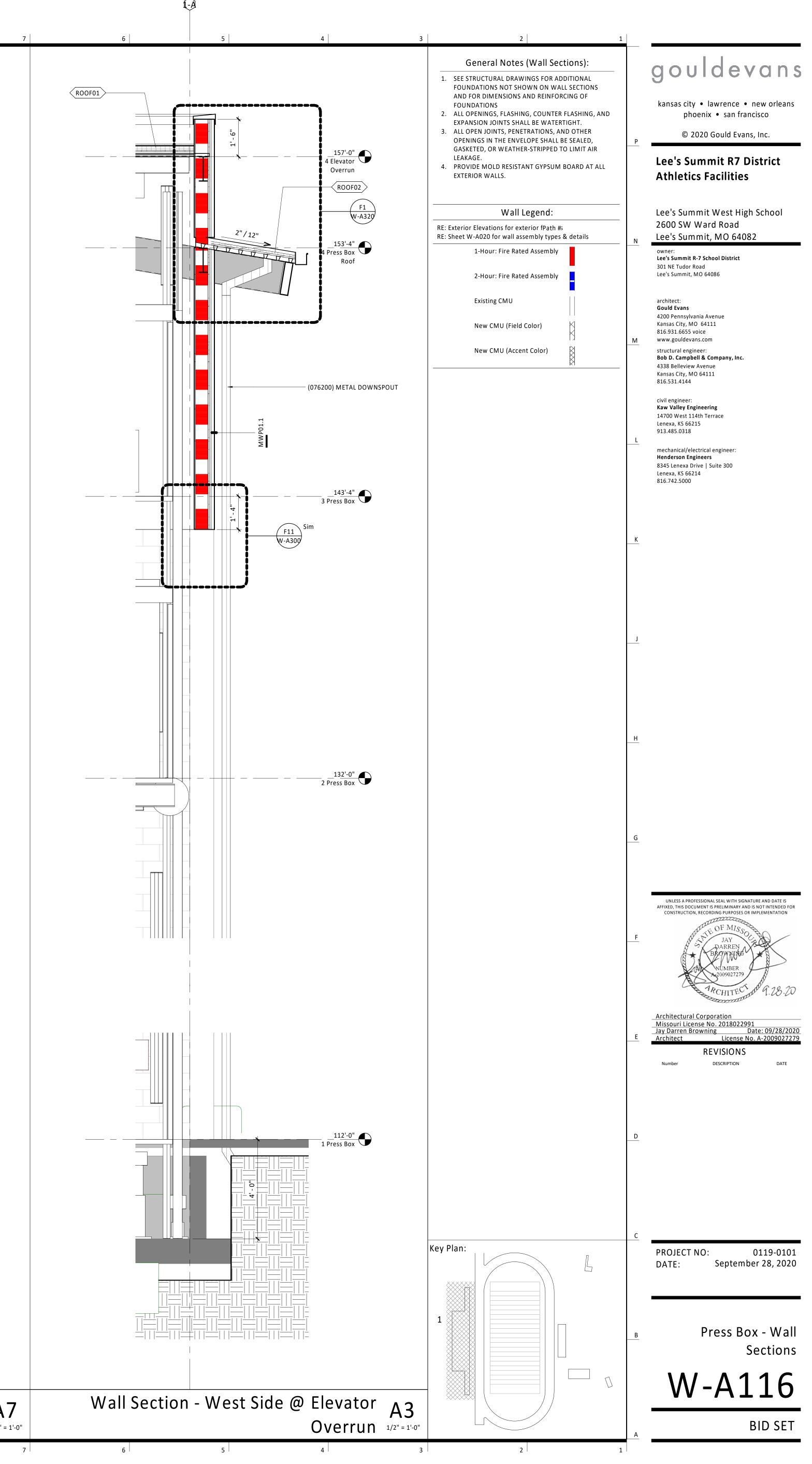


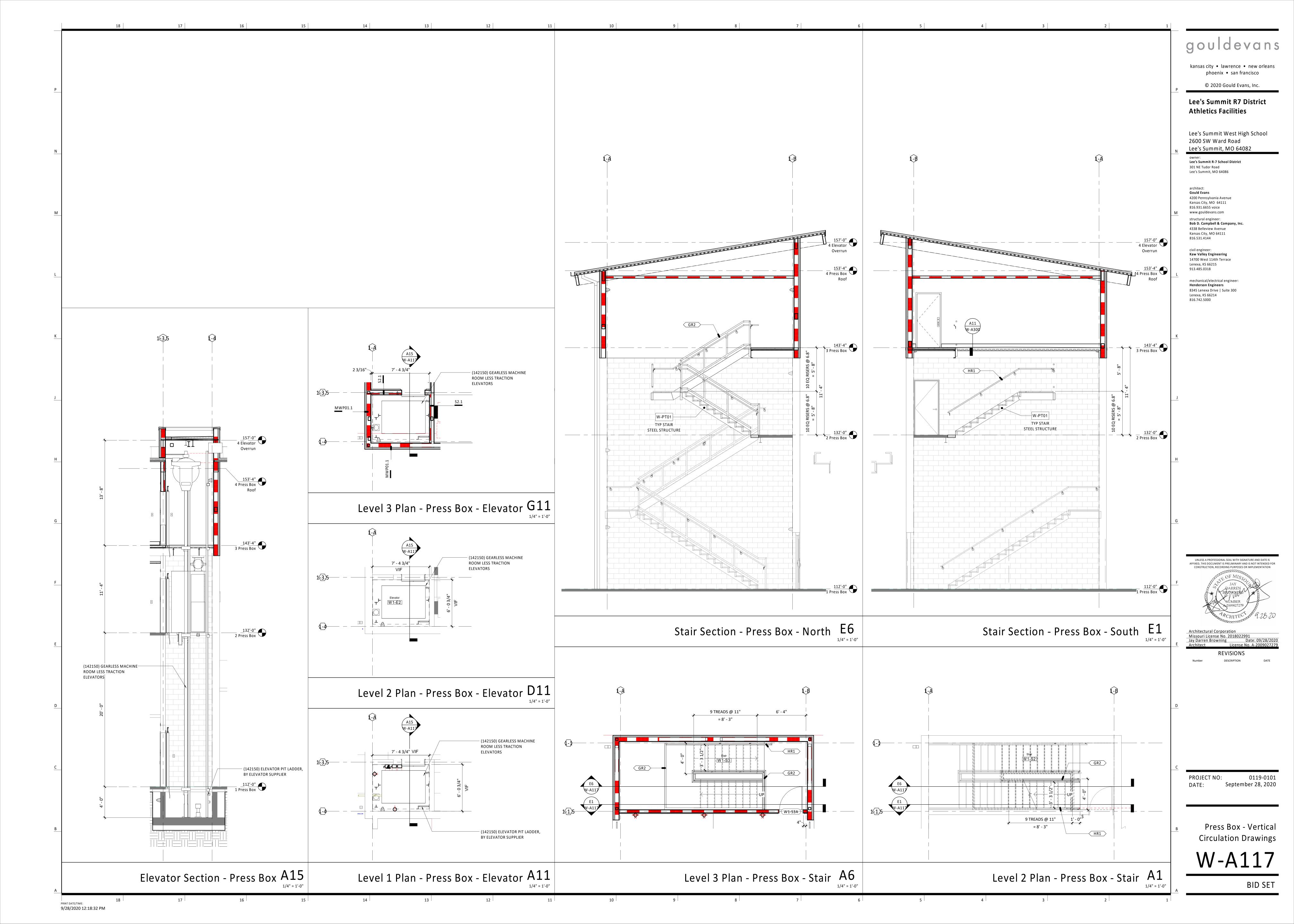




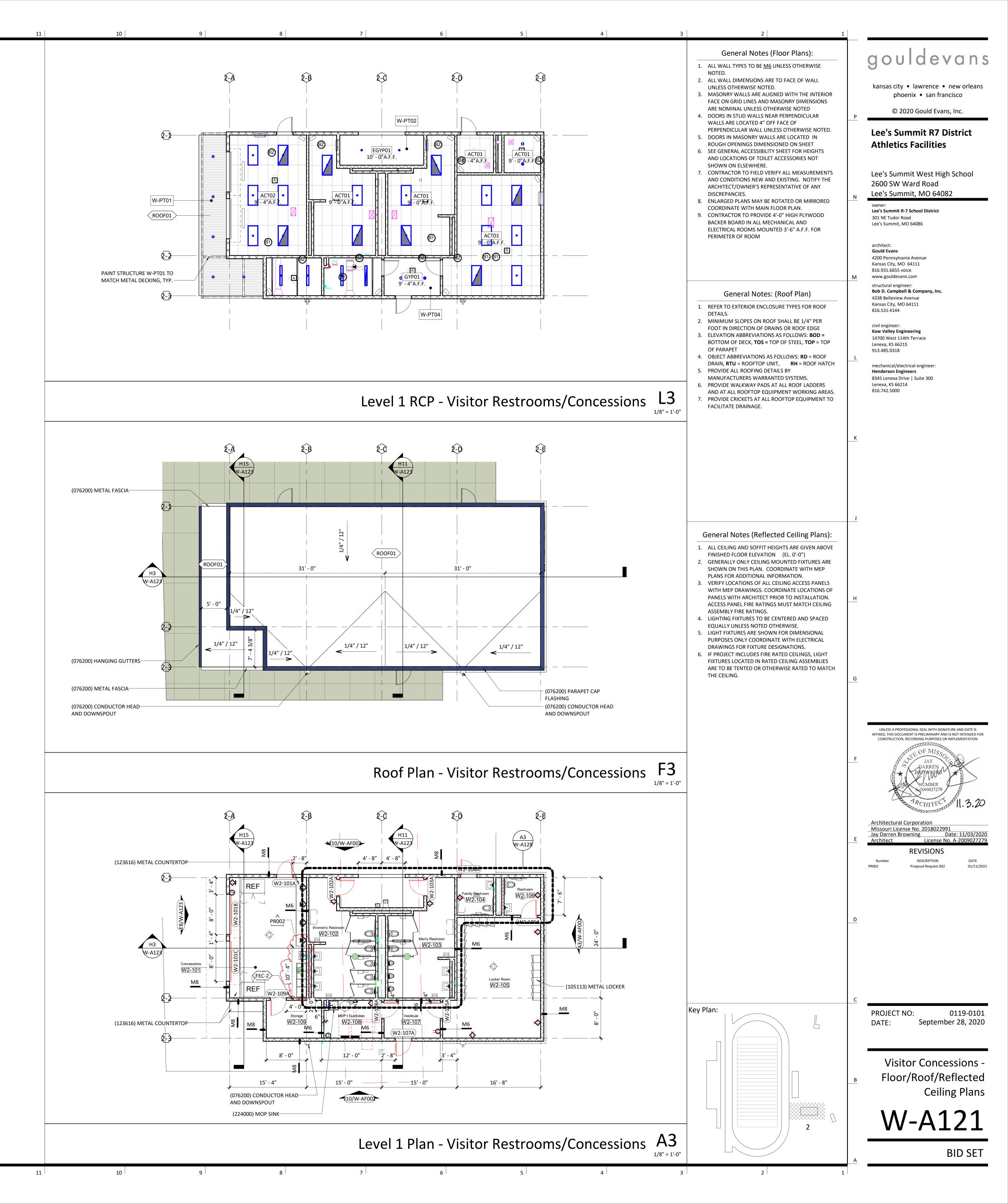


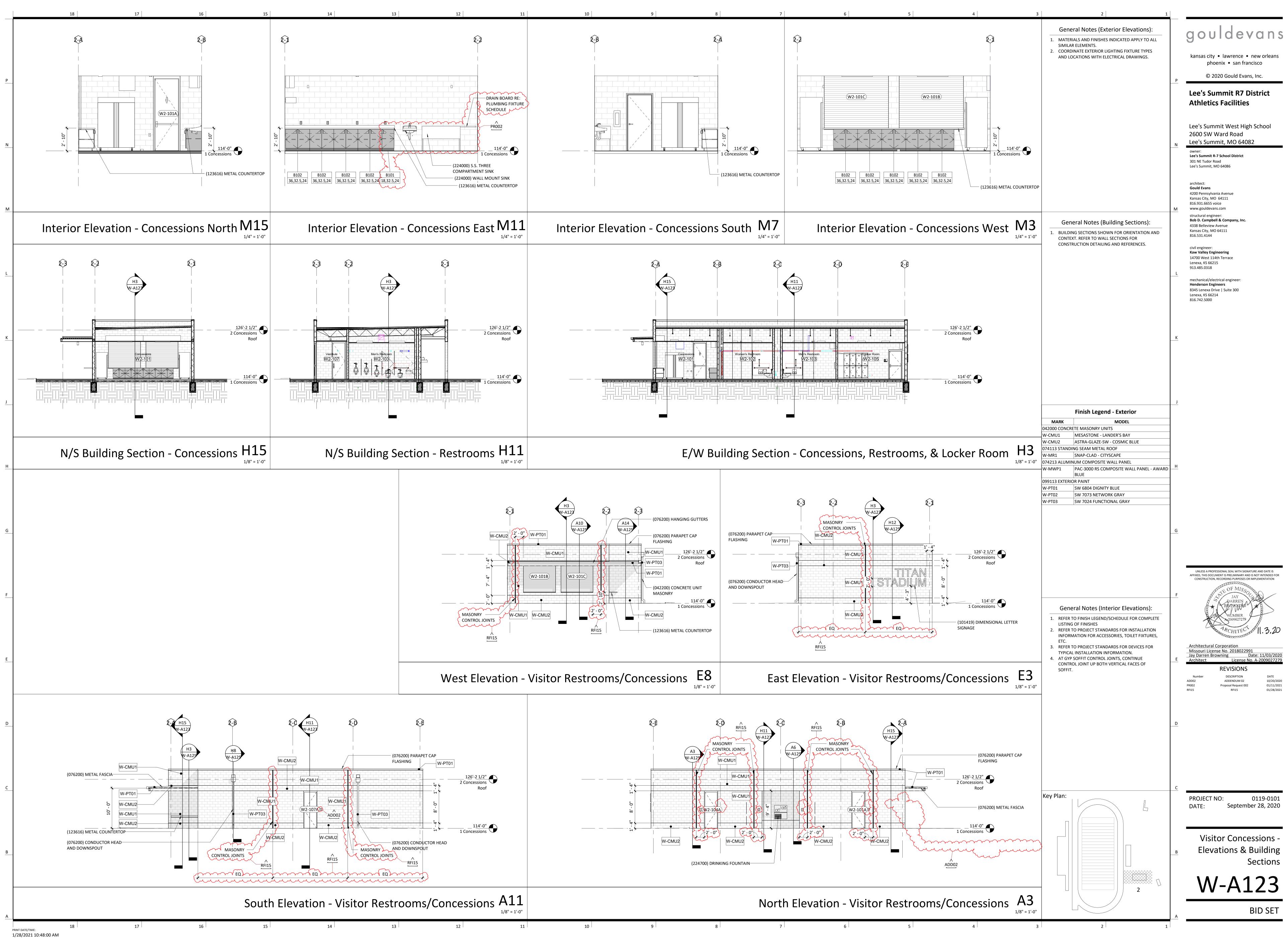


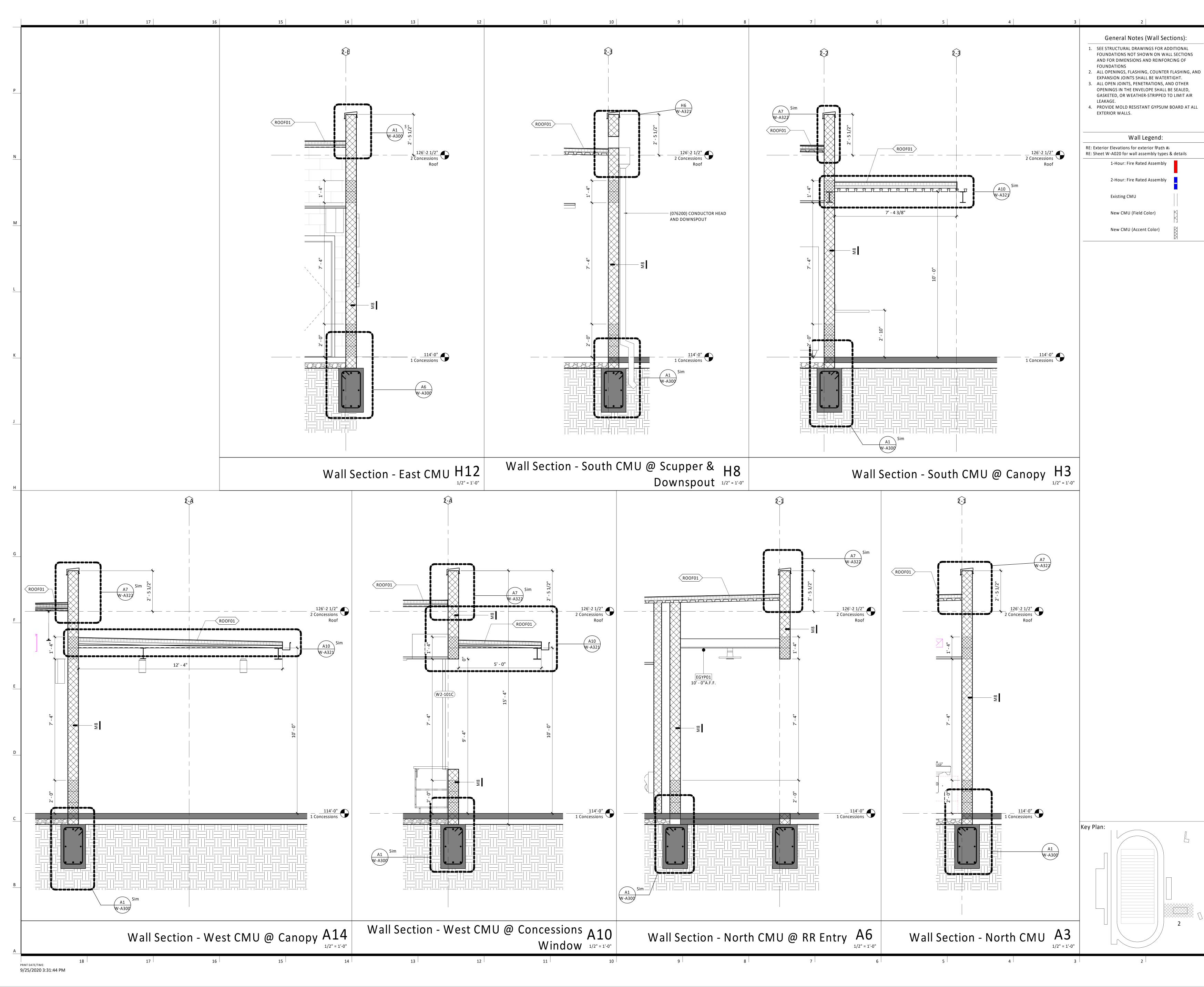


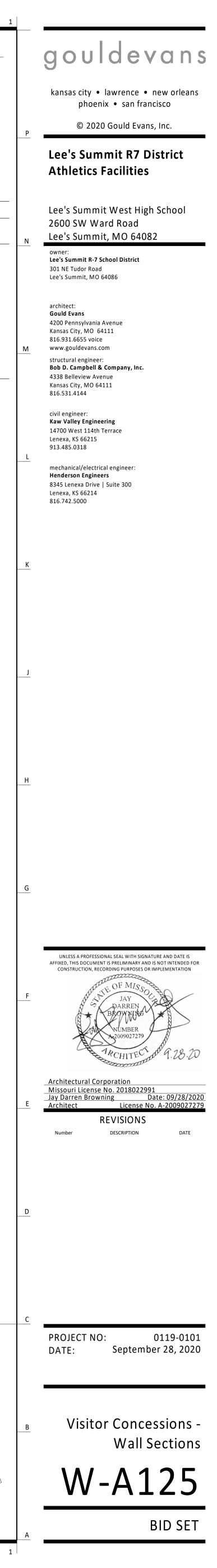


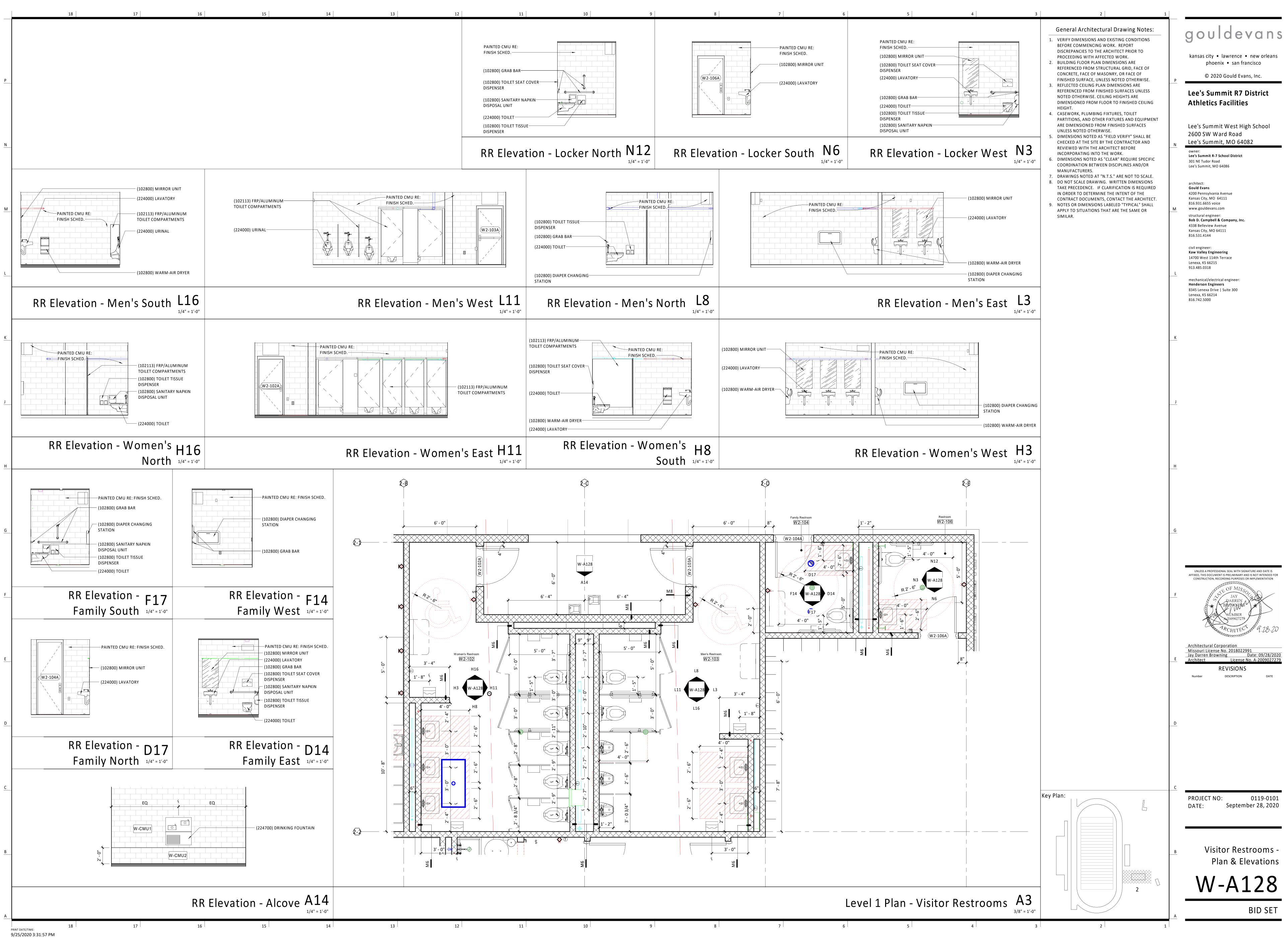
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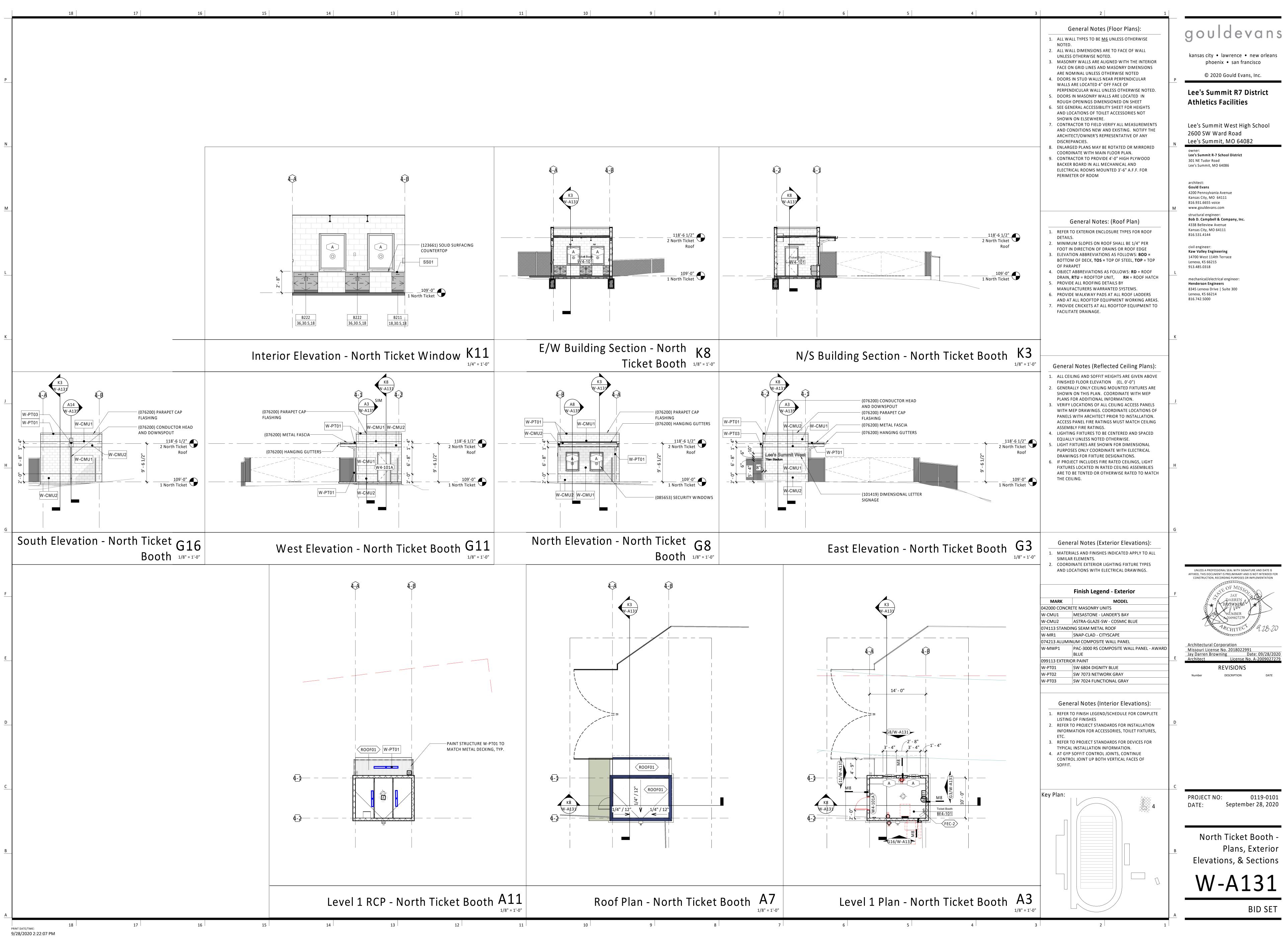


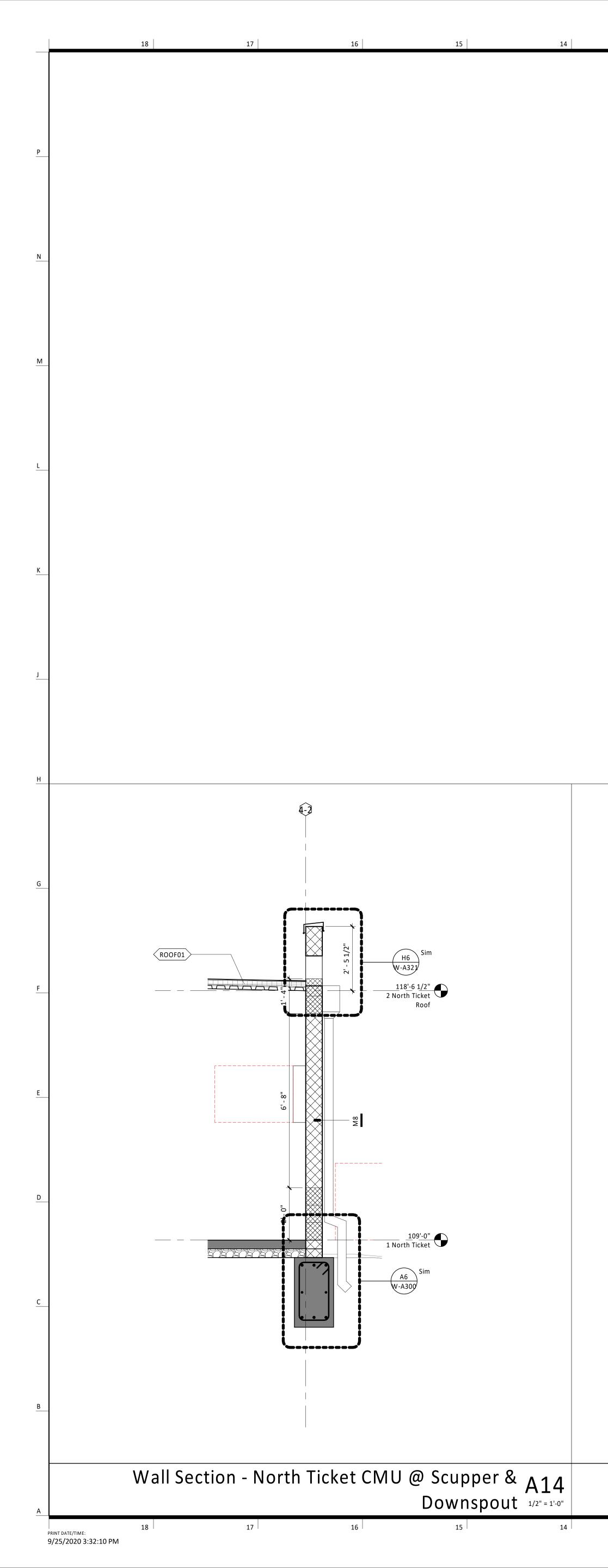


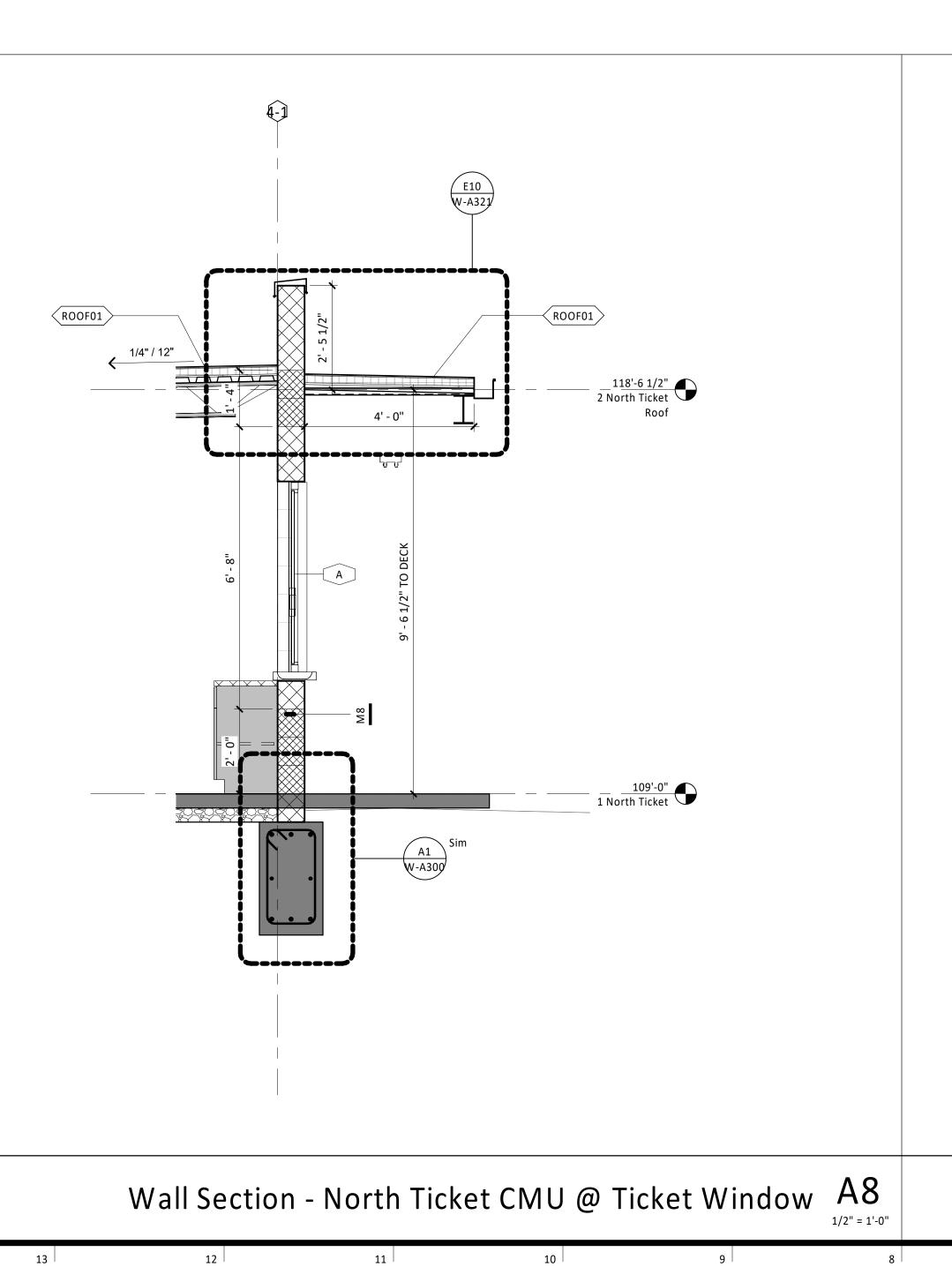


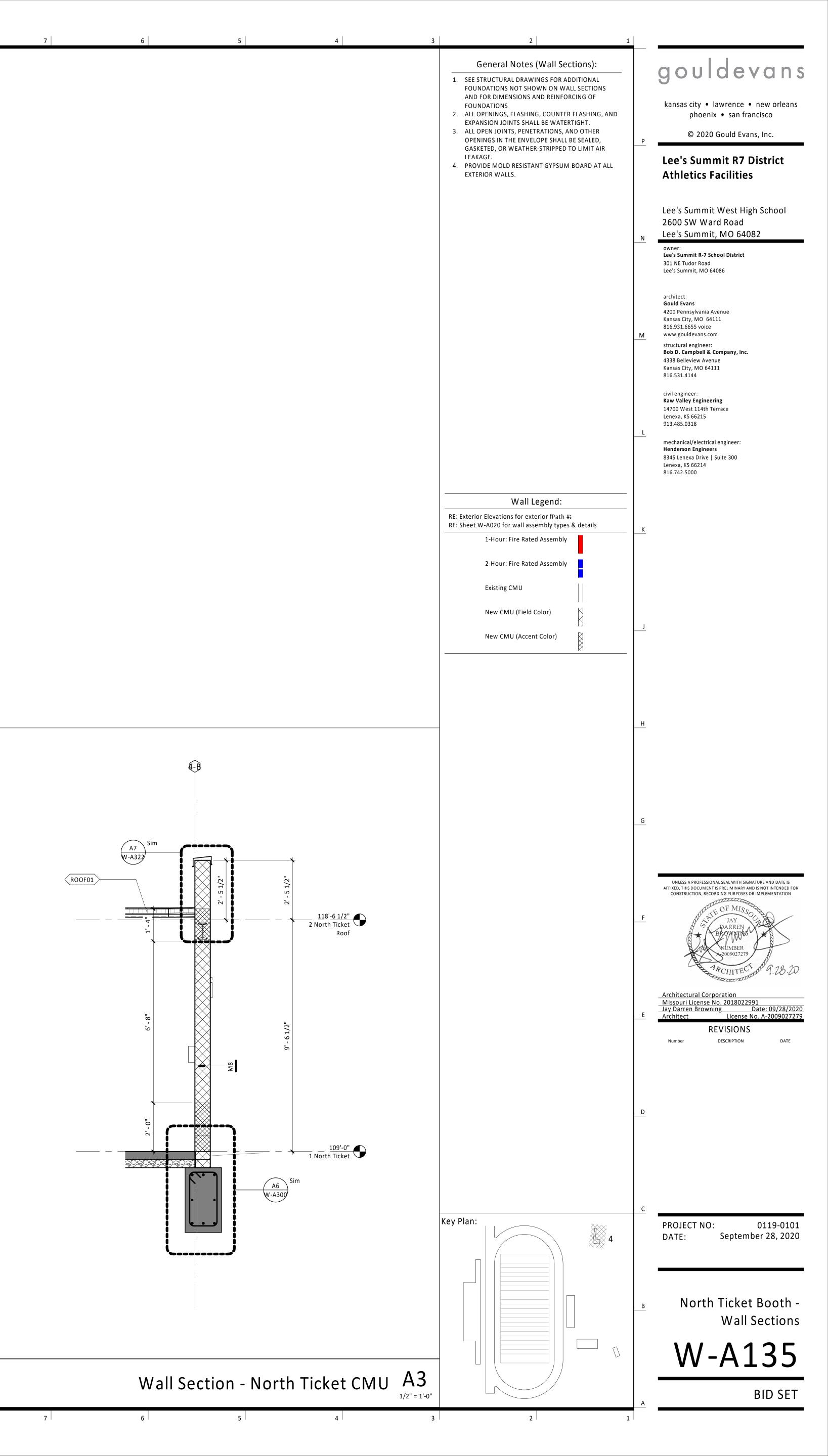


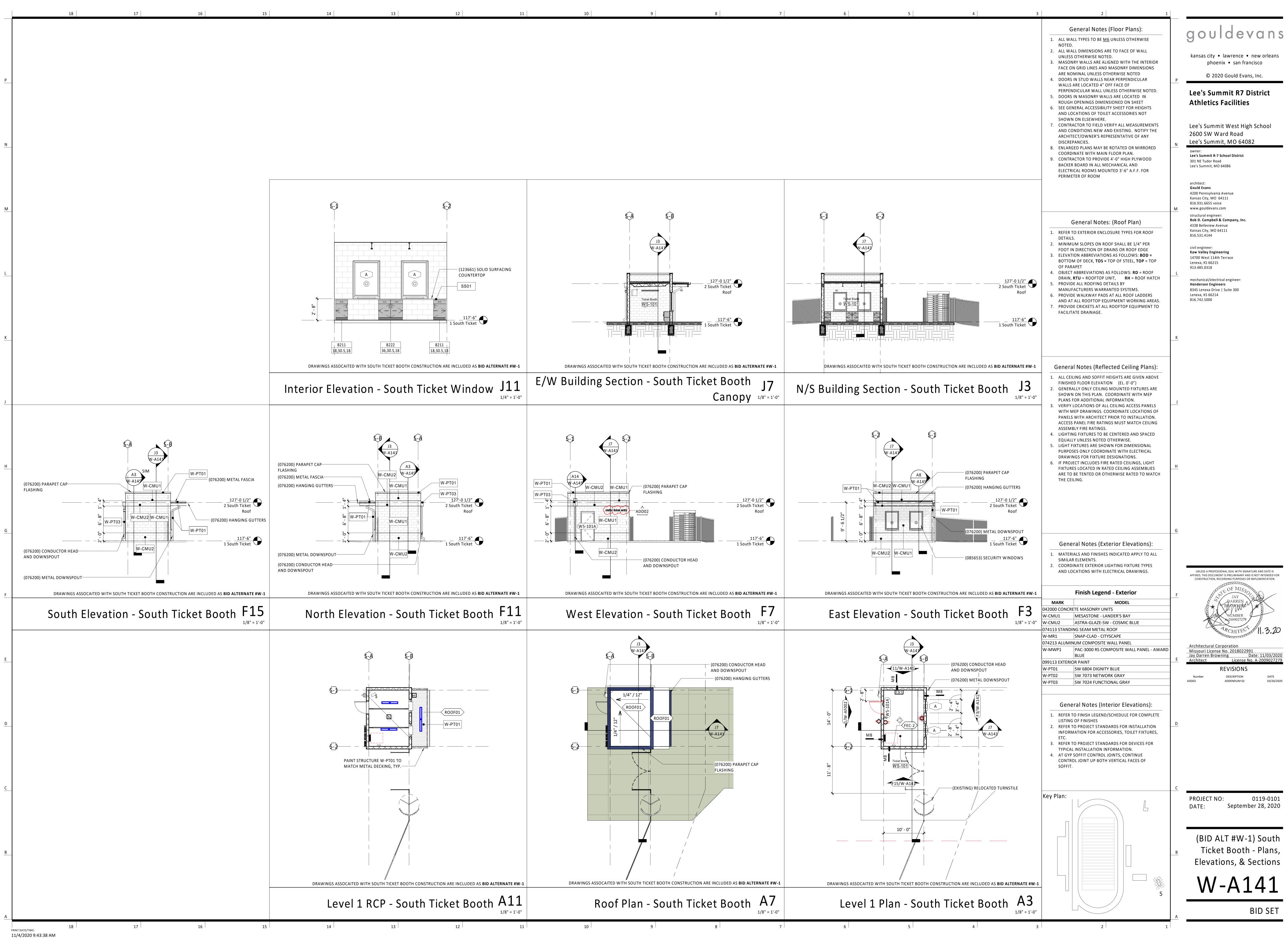


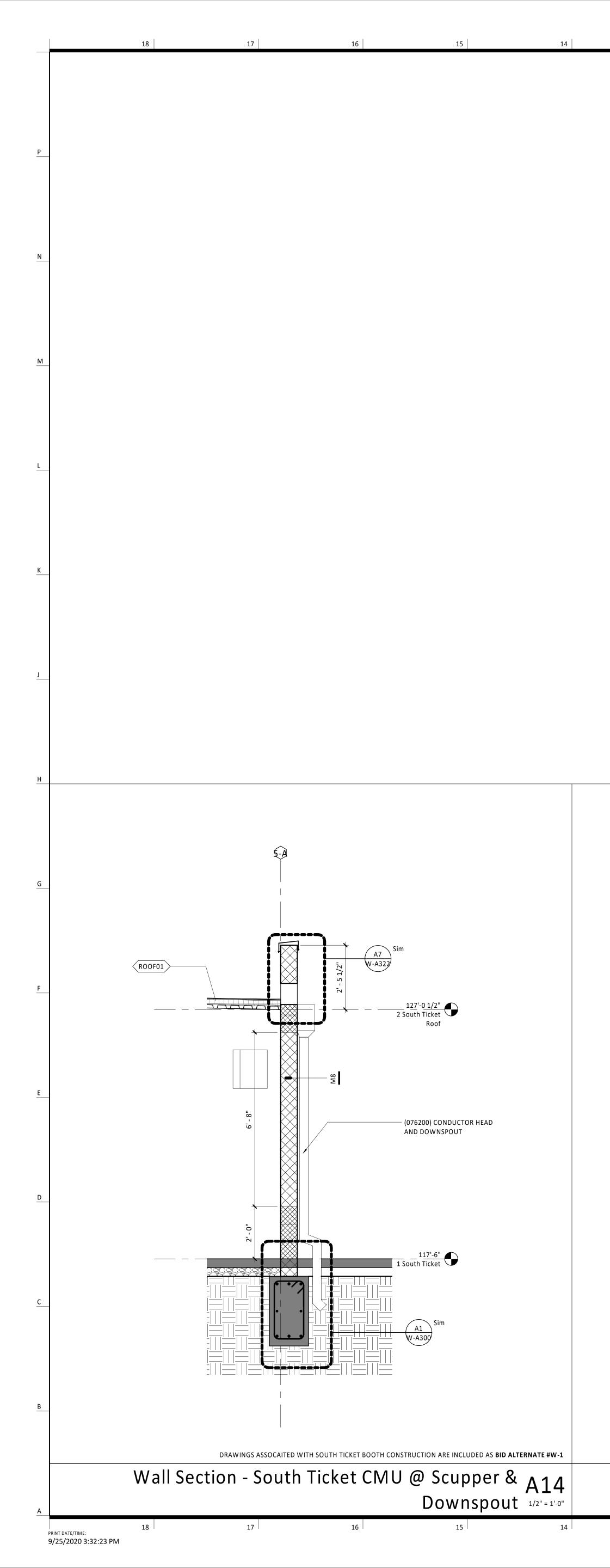


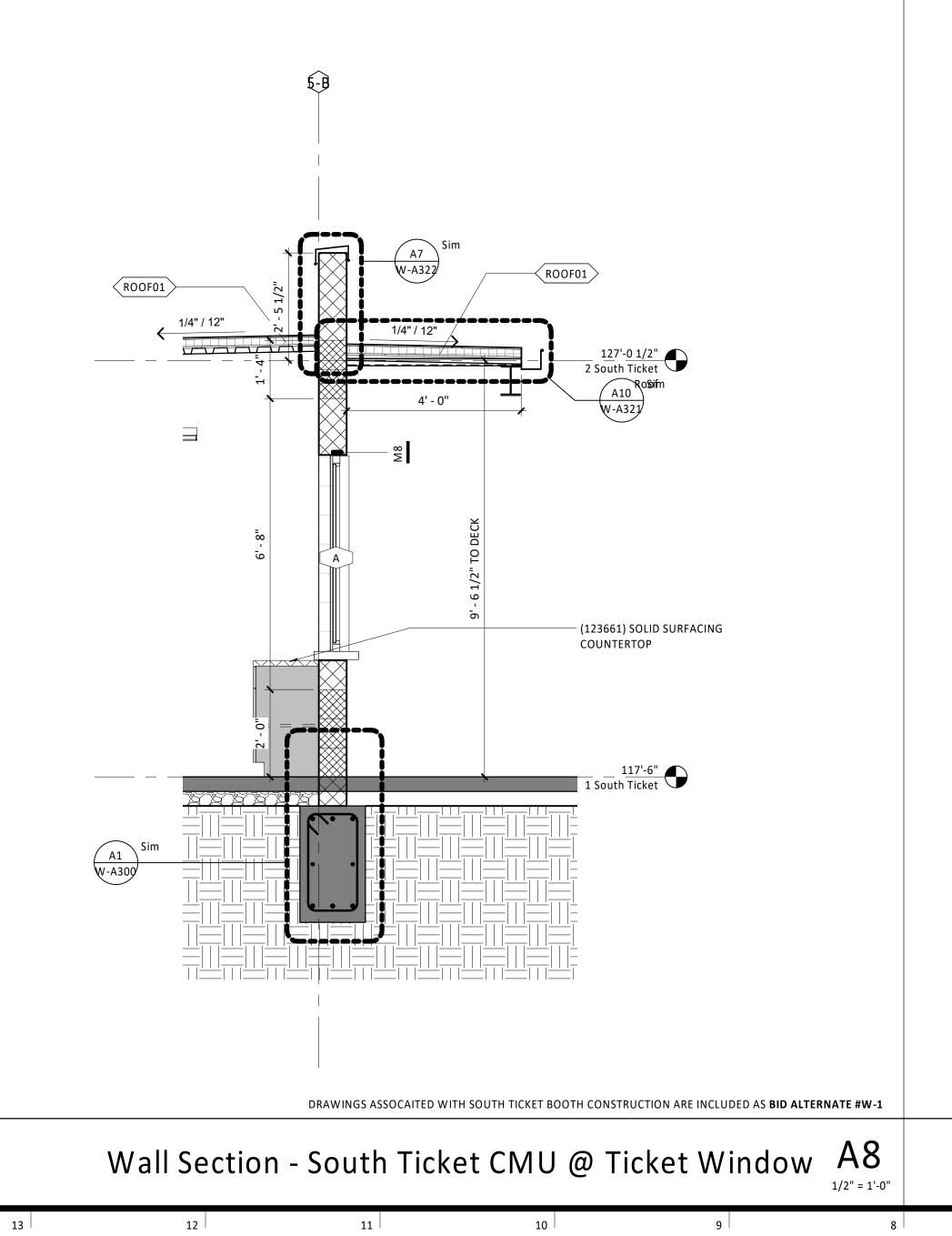


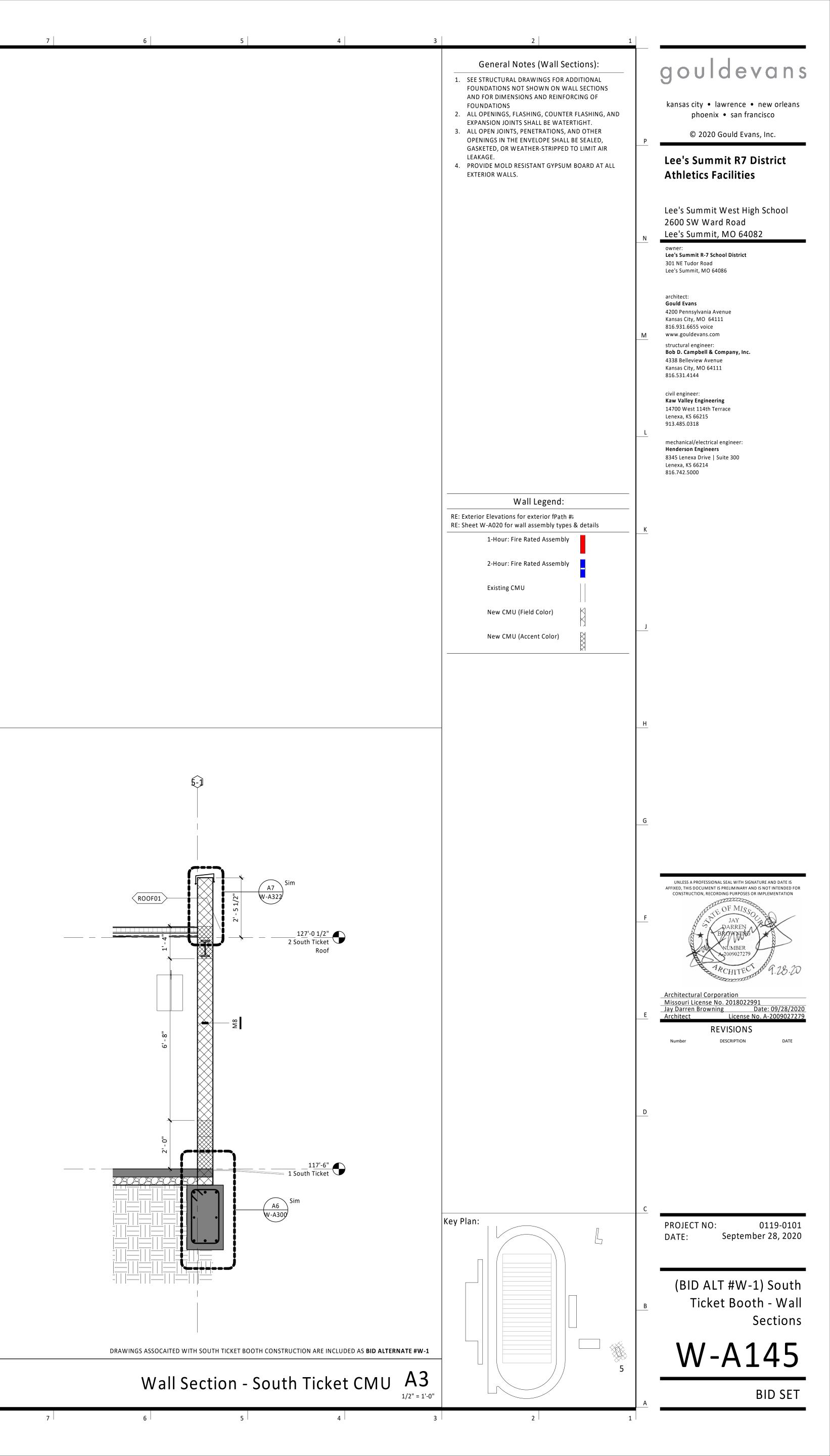


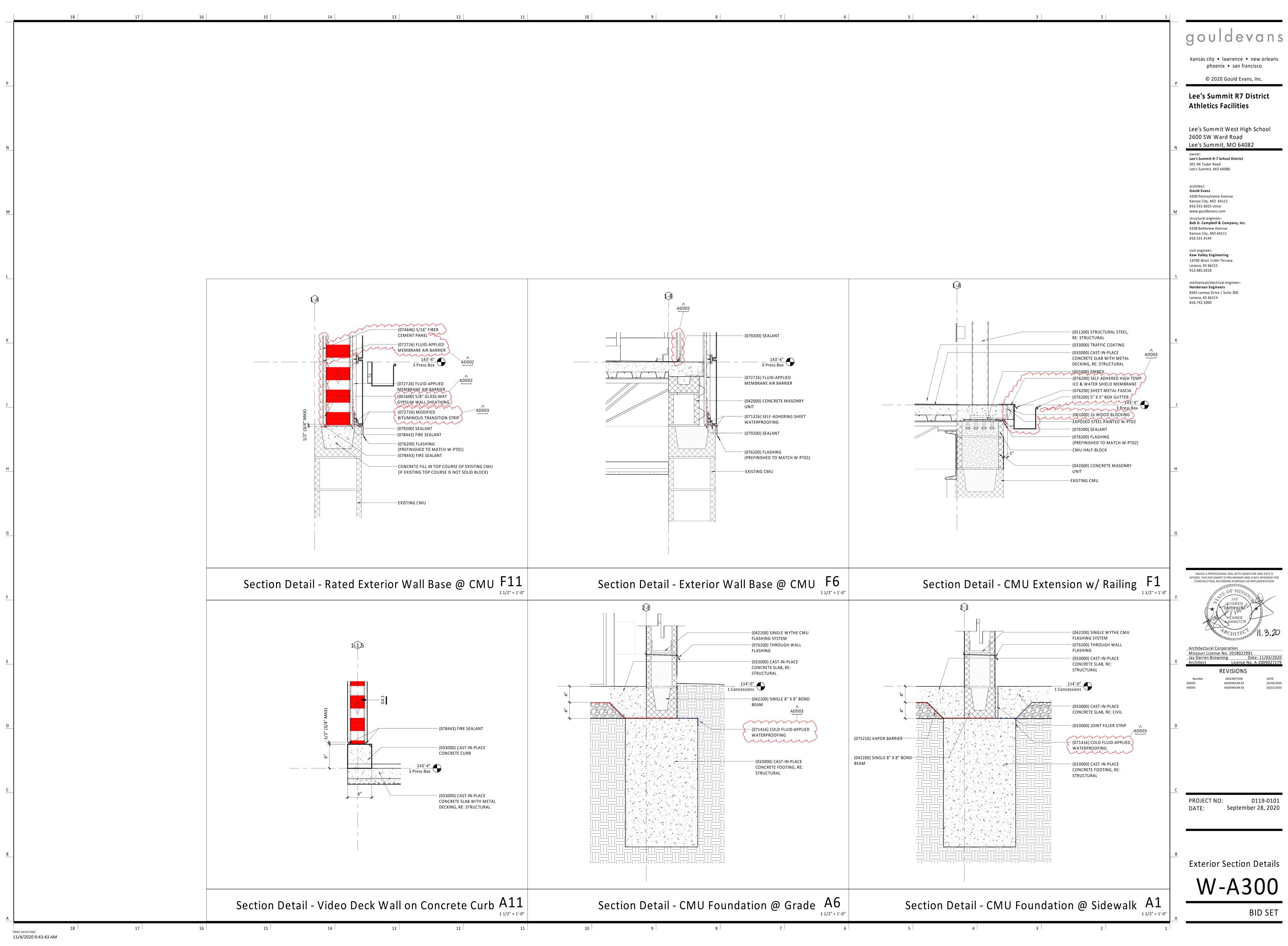


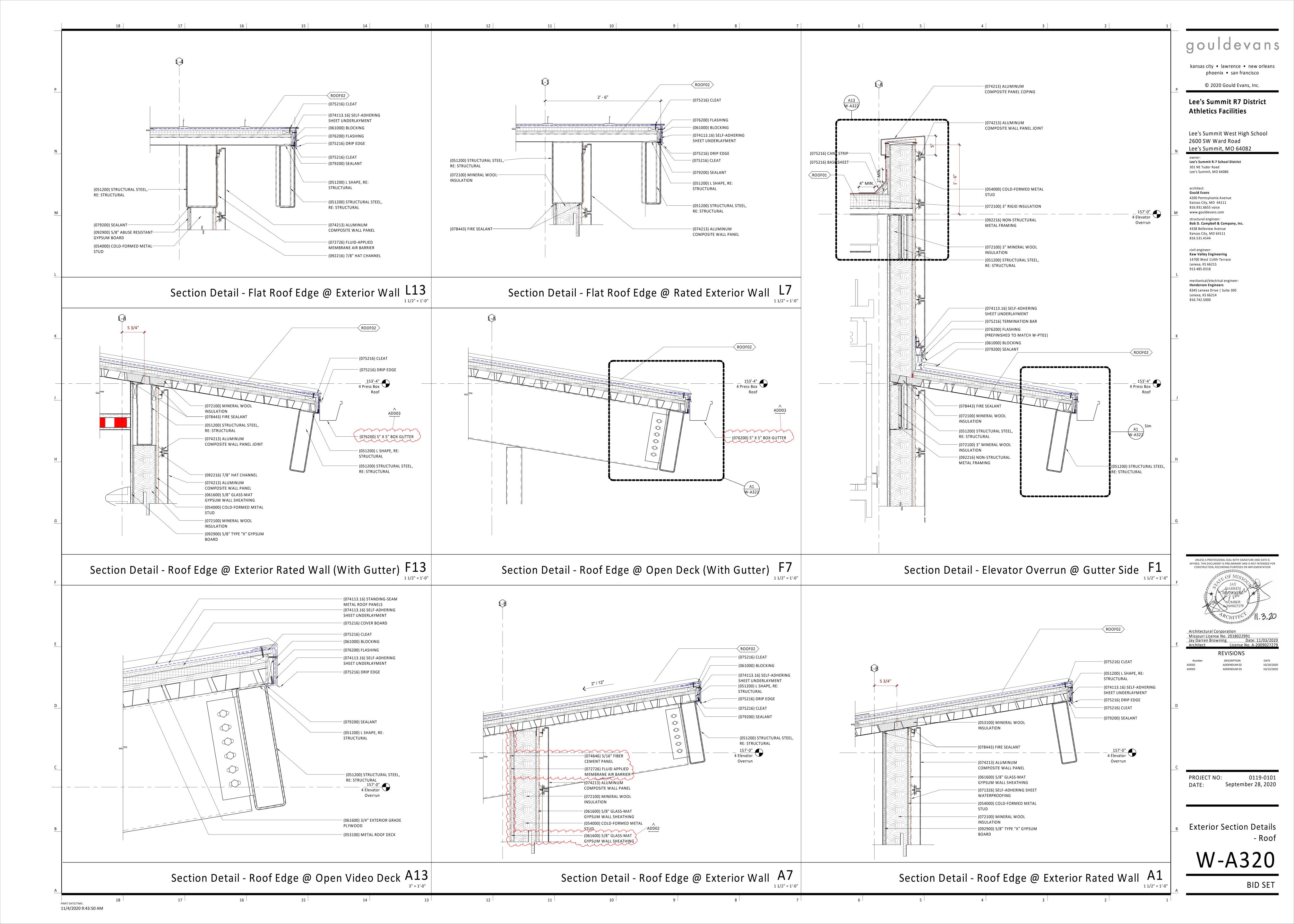


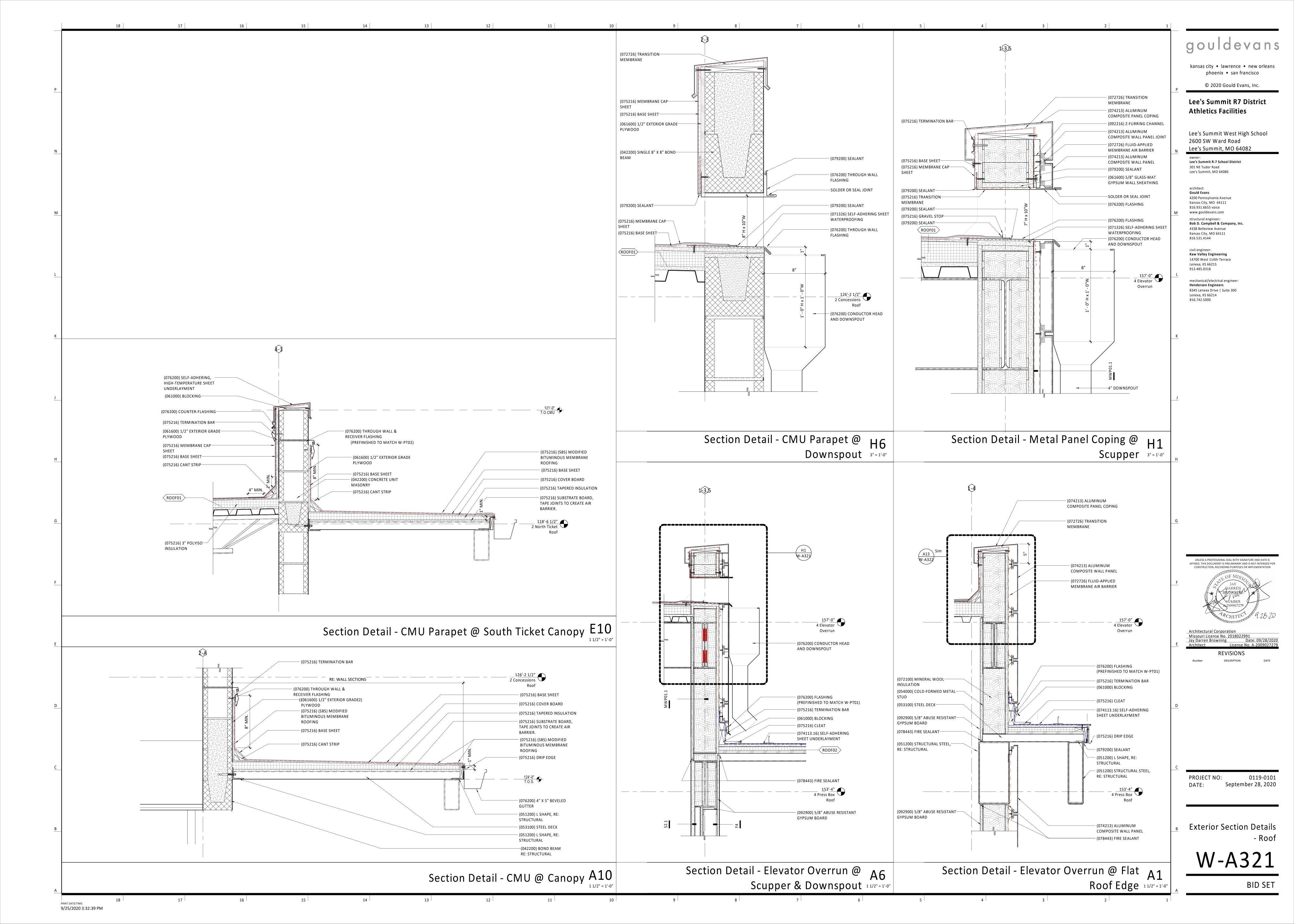


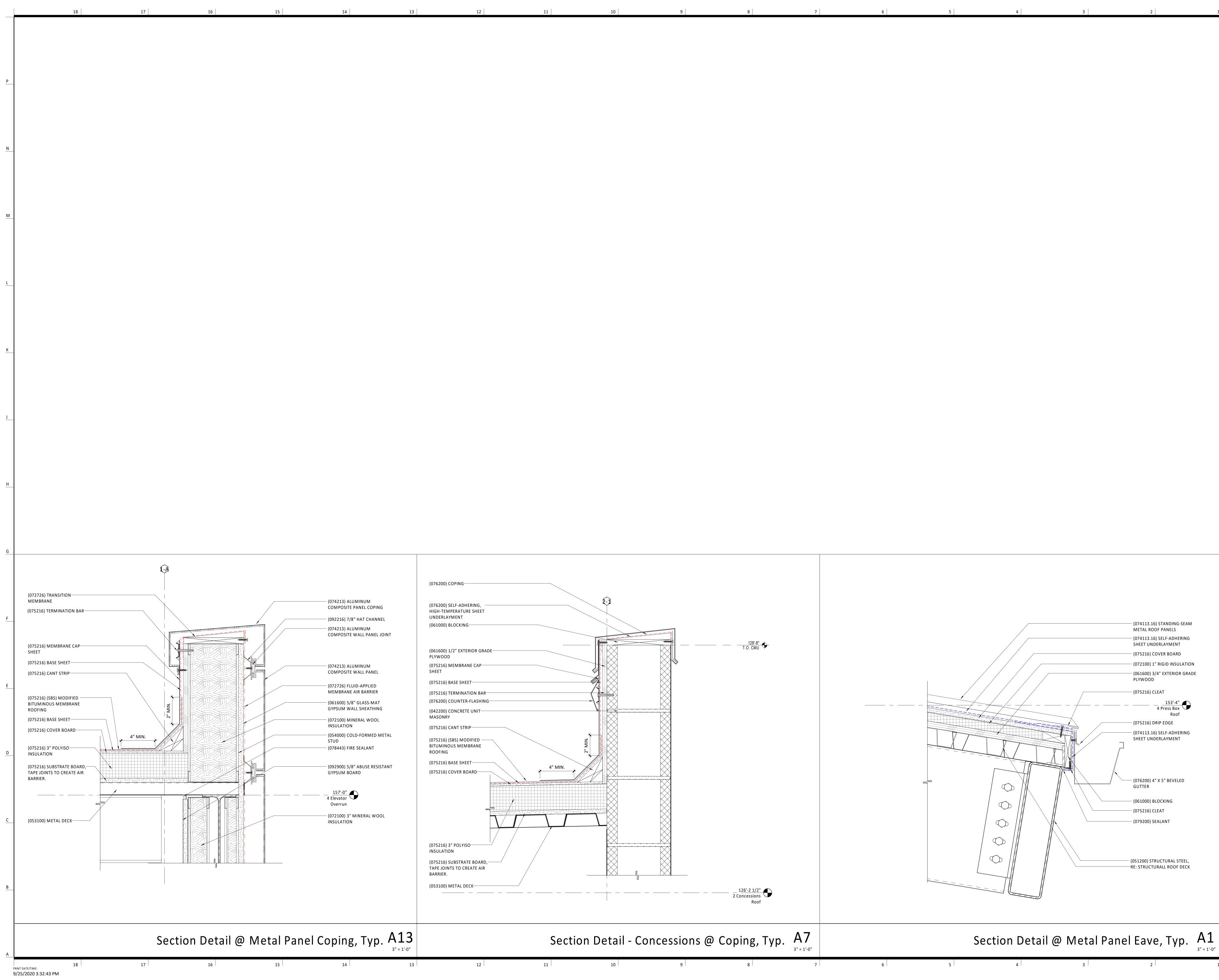


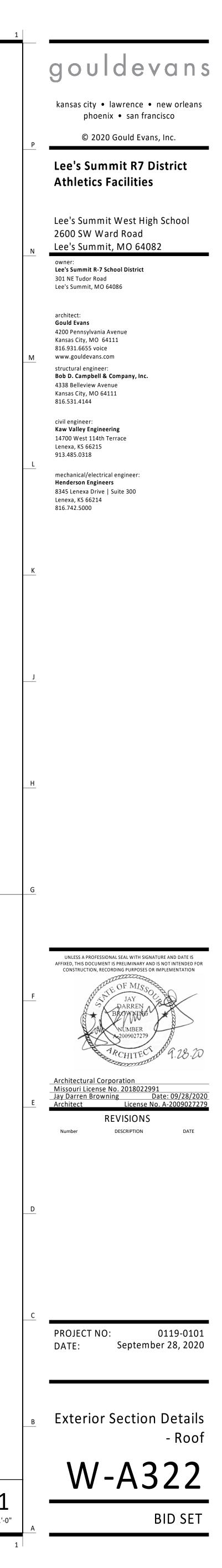




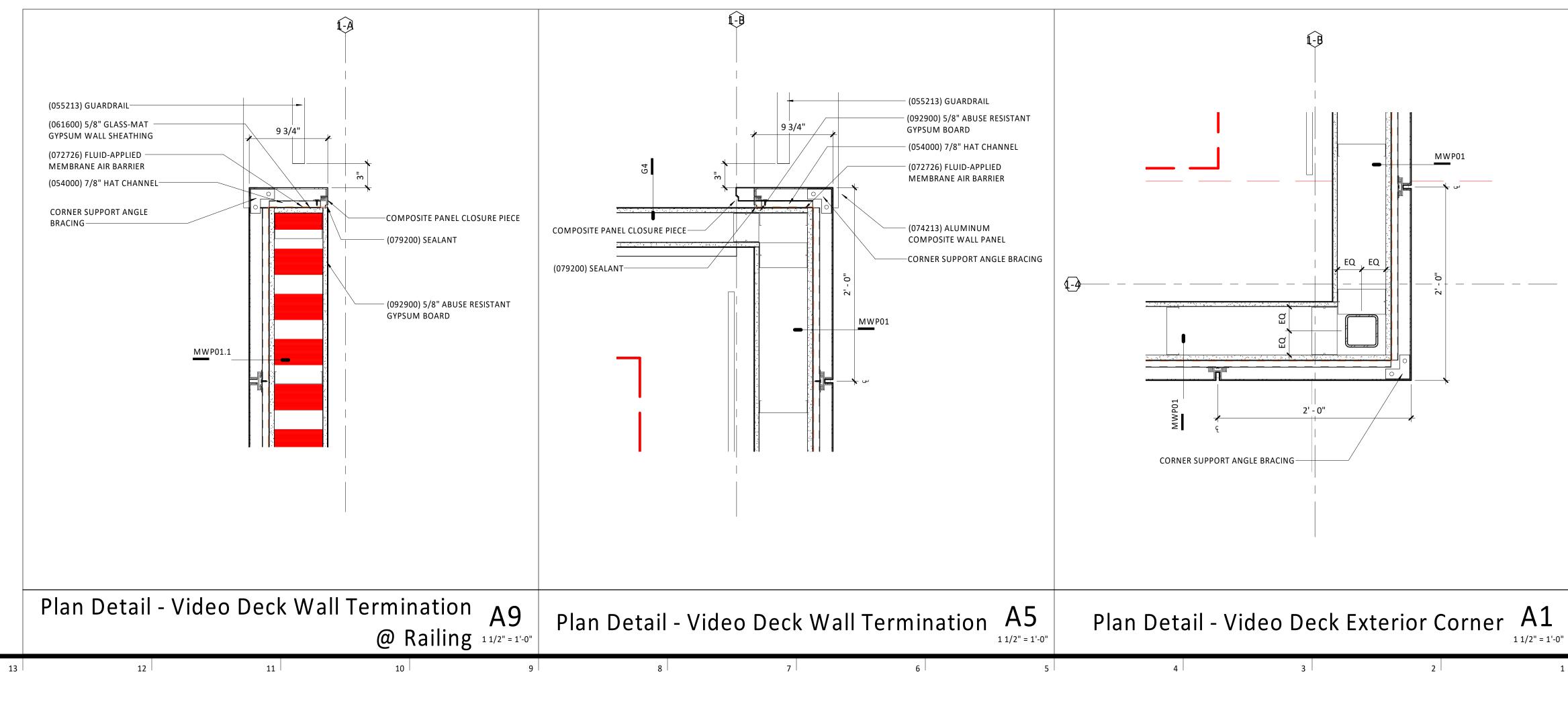


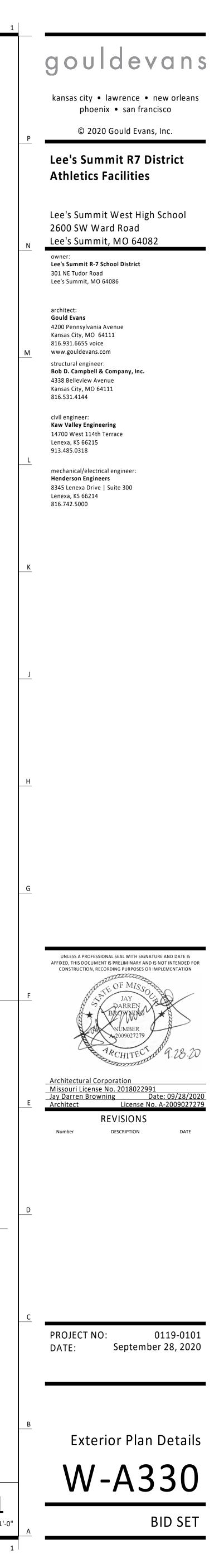


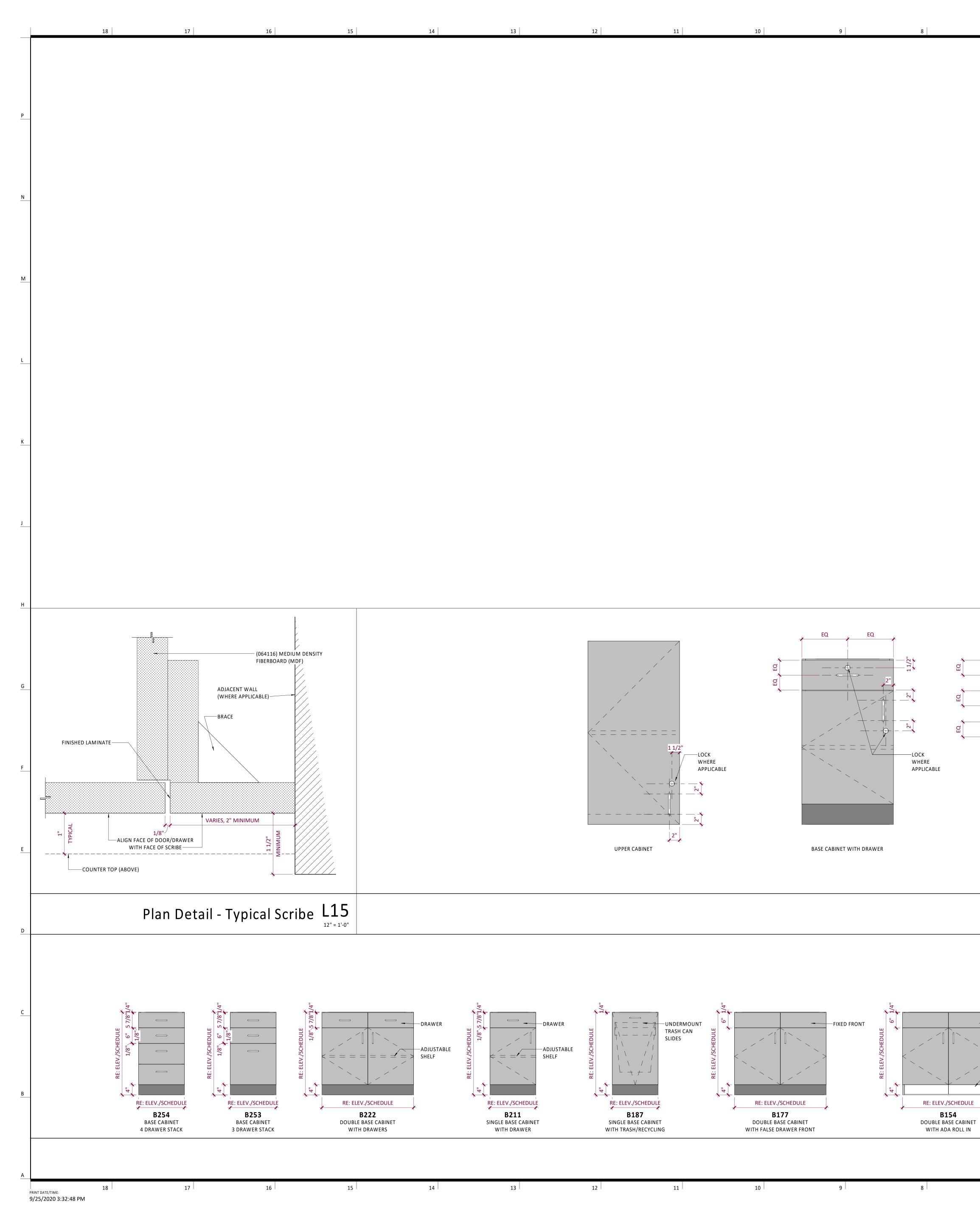




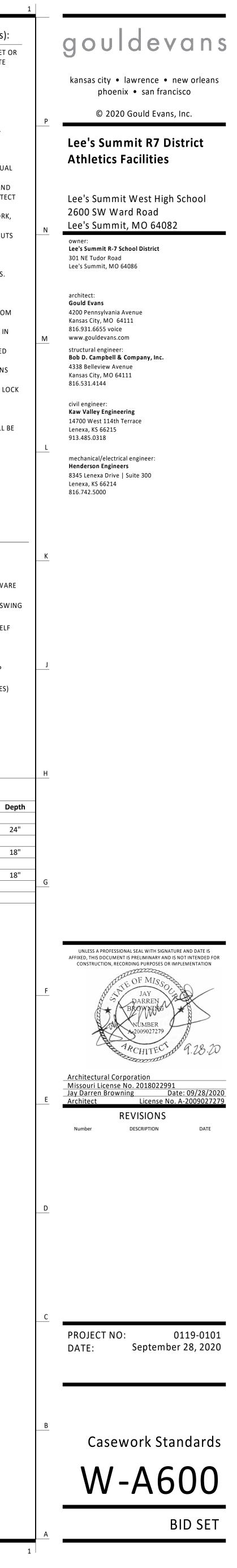
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| | General Notes (Casework Standards): ALL CASEWORK IS TO BE CONSTRUCTED TO MEET OF EXCEED ARCHITECTURAL WOODWORK INSTITUTE (AWI) STANDARDS. FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION. PROVIDE RUBBER BASE AT ALL CABINET BASES, UNLESS NOTED OTHERWISE. REFER TO INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR SPECIFIC MATERIAL LOCATIONS. PROVIDE MOISTURE RESISTANT PLYWOOD AT COUNTERTOPS WITH SINKS. SINKS SHOWN ON THESE DRAWINGS INDICATE LOCATIONS ONLY AND MAY NOTE REFLECT ACTUAL SIZES OR TYPES. COORDINATE LOCATIONS OF ALL EQUIPMENT AND CONFIRM PROPER CLEARANCES. NOTIFY ARCHITECT OF ANY DISCREPANCIES. CENTER ALL SINKS IN THE ASSOCIATED CASEWORK, UNLESS NOTED OTHERWISE. PROVIDE SIDE SPLASH WHERE COUNTERTOP ABUTS WALL, OR AT COUNTERTOPS WITH DIFFERENT HEIGHTS ABUT. SEAL ALL JOINTS BETWEEN WORK SURFACES/CABINETS AND ADJOINING SURFACES. PROVIDE IN WALL BLOCKING AS REQUIRED FOR UPPER CABINETS. CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING FINISHED FLOORING SURFACES FROM DAMAGE DURING ALL CONSTRUCTION PHASES. FIELD COORDINATE LOCATIONS OF GROMMETS IN COUNTERTOPS WITH OWNER/ARCHITECT. PROVIDE FINISHED CLOSURE PANELS AT EXPOSED END CONDITIONS. PROVIDE FINISHED CLOSURE PANELS AT EXPOSED END CONDITIONS. PROVIDE FILLER PANEL/SCRIBE AT ALL LOCATIONS WHERE CASEWORK MEETS A WALL. PROVIDE FILLER PANEL/SCRIBE AT ALL LOCATIONS WHERE CASEWORK MEETS A WALL. PROVIDE FILLER PANEL/SCRIBE AT ALL LOCATIONS WHERE CASEWORK MEETS A WALL. PROVIDE FILLER PANEL/SCRIBE AT ALL LOCATIONS WHERE CASEWORK MEETS A WALL. PROVIDE FILLER PANEL/SCRIBE AT ALL LOCATIONS WHERE CASEWORK MEETS A WALL. PROVIDE FILLER PANEL/SCRIBE AT ALL LOCATIONS WHERE CASEWORK MEETS A WALL. PROVIDE FILLER PANEL/SCRIBE AT ALL LOCATIONS WHERE CASEWORK MEETS A WALL. PROVIDE |
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| | B BASE CABINET BS BASE SCRIBE T TALL CABINET US UPPER SCRIBE T TALL CABINET Casework Legend SIDESPLASH BACKSPLASH COUNTERTOP CABINET HARDWARE AS SCHEDULED CABINET DOOR SWIN ADJUSTABLE SHELF TOE-KICK B222 CABINET SIZE W,H,D (IN INCHES) |
| | Casework ScheduleMarkWidthHeightDegBase-102-Double36"32 1/2"24Base-211-Single with Drawer30 1/2"18Base-222-Double with Drawer36"30 1/2"18B22236"30 1/2"18Counter TopIII |
| $\begin{array}{c} \medskip Display \medskip Display$ | |
| Cabinet Types - Base A3 7 6 5 4 3 | 2 |



| | | 18 | 17 | 16 | 15 | 14 |
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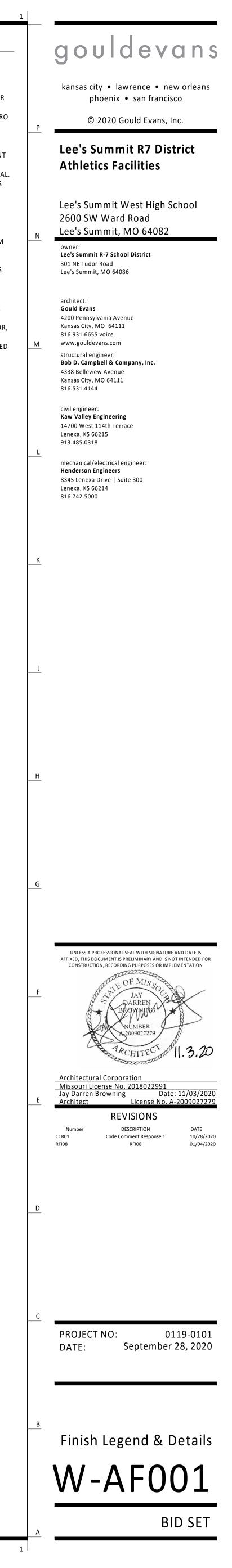
| | | | | | Finish Lege | nd - Interior | S | | General Notes (Finishes): |
|--------------------|------------------------|------------------------|--------------|------------------------------|------------------|----------------|---|---------------|---|
| Ma | | Manufacturer | | | M | odel | Comments La | test Revision | |
| | CAST-IN-PLACE CC | | | | | | | | ALL FINISH MATERIALS MUST MEET THE FLAN SPREAD RATINGS PER THE BUILDING CODE. |
| CC01 | | CAST IN PLACE CONCRETE | | | | | CONCRETE WITH CURE AND SEALING COMPOUND | | 2. REFER TO INTERIOR ELEVATIONS FOR SPECIFI |
| CC02 | | CAST IN PLACE CONCRETE | | | | | CONCRETE WITH (071800) TRAFFIC COATING | | MATERIAL LOCATIONS. |
| W-CMU | | | | MESASTONE - L | ANDER'S BAY | | MORTAR TO MATCH COLOR OF EXISTING ADJACENT MORTAR | A RFI08 | 3. REFERENCED FLOOR/WALL/CEILING TYPES AF TOP FINISH LAYER DETAILS ONLY. REFER TO |
| W-CMU | 2 TRENWY1 | - | | | W - COSMIC BLU | C | COLOR(S) | <u> </u> | ARCHITECTURAL AND STRUCTURAL DRAWING FLOOR/WALL CEILING ASSEMBLY DETAILS PE |
| | | | | ASTRA-GLAZE-S | | <u> </u> | | | LOCATION. |
| MEL01 | TBD | | | WHITE MELAM | INE | | | | 4. PAINT ALL EXPOSED DUCTWORK, CONDUIT, |
| PL01 | TBD | | | COLOR TO MAT | | | | | ELECTRICAL EQUIPMENT, ETC TO MATCH ADJ SURFACES. |
| 074113 | STANDING SEAM I | METAL ROOF | | | | | | | 5. PAINT ALL NON-FACTORY FINISHED EXPOSED |
| W-MR1 | PAC-CLAD |) | | SNAP-CLAD - CI | TYSCAPE | | | | 6. REFER TO TYPICAL FLOORING TRANSITION DE |
| | | POSITE WALL PANEL | | | | | | | FOR ALL FLOORING MATERIALS.7. FLOORING TRANSITIONS AT DOORS SHOULD |
| W-MWF | 1 PAC-CLAD |) | | PAC-3000 RS C0 | OMPOSITE WALL | PANEL - AWARI | D BLUE | | LOCATED UNDER THE DOOR IN THE CLOSED |
| 085653 | | | | | | | | | POSITION, UNLESS NOTED OTHERWISE. |
| IGU-02 095113 | TBD ACOUSTICAL PANI | EL CEILINGS | | BULLET-RESIST | ANT GLAZING | | BULLET-RESISTANT GLASS | | 8. CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING FINISHED FLOORING SURFACES |
| ACT01 | USG | | | ASTRO CLIMAP | LUS TREATED WI | TH AEGIS MICRO | DBE SHIELD COLOR: WHITE, SIZE: 24" X 48" x 1", EDGE: SQ | | DAMAGE DURING ALL CONSTRUCTION PHASE |
| ACT02 | USG | | | | I PANEL CLIMAPL | | | | 9. PROVIDE BULLNOSE TRIM AT TRANSITIONS F |
| | RESILIENT BASE | | | | | | | | CERAMIC WALL TILE TO OTHER MATERIAL, UP NOTED OTHERWISE. |
| RB-01 | ROPPE | | | 123 CHARCOAL | | | 4" COVE BASE | | 10. REFER TO REFLECTED CEILING PLANS FOR CE |
| | EXTERIOR PAINT | | | | | | | | HEIGHTS. |
| W-PT01 | | WILLIAMS | | SW 6804 DIGNI | | | COLOR MATCH FOR PRE-FINISHED SHEET METAL | | ALL ELECTRICAL DEVICE COVERS ARE TO BE W UNLESS NOTED OTHERWISE. |
| W-PT02 W-PT03 | | WILLIAMS | | SW 7073 NETW SW 7024 FUNC | | | COLOR MATCH FOR PRE-FINISHED SHEET METAL COLOR MATCH FOR PRE-FINISHED SHEET METAL | | 12. CARPET PATTERNS TO RUN PARALLEL TO COR |
| | | | | 377 7024 FUINC | | | | | UNLESS NOTED OTHERWISE. |
| W-PT04 | | | | SW 7007 BRIGH | IT WHITE | | | | 13. ALL HOLLOW METAL DOOR FRAMES TO BE P. TO MATCH ADJACENT WALL COLOR. |
| | SOLID SURFACE CO | | | | | | | | TO MATCH ADJACENT WALL COLOR. |
| SS01 | CORIAN | | | MODERN WHIT | E | | GENERAL COUNTERTOPS | | |
| | | | | | Finich Q | chedule | | | |
| | | | | | nish | | | | |
| Lev | el Room Nu | ımber Room Name | Floor | Base | Wall | Ceiling | Comments | | |
| 1 Press | | | ETR | | ETR | | | | |
| | | | | | | | | | |
| 2 Press | | | ETR | ETR | ETR | W-PT04 | | | |
| 2 Press | | | ETR | ETR | ETR | W-PT04 | | | |
| 2 Press 2 Press | | | ETR ETR | ETR | ETR | W-PT04 OTS | | | |
| 2 Press | | | ETR | ETR | ETR | W-PT04 | | | |
| 2 Press | | | ETR | | ETR | | | | |
| | | | | | | | | | |
| 3 Press | | | CC02 | CC02 | W-PT01 | OTS | STEEL DECK AND STRUCTURE TO BE PAINTED W-PT02 | | |
| 3 Press 3 Press | | | CC01 CC01 | RB01 | W-PT04 W-PT04 | OTS OTS | | | |
| 511655 | | - | | , NOOT | | 015 | | | |
| 1 Conce | sions W2-1 | 09 Storage | CC01 | | W-PT04 | OTS | | | |
| 1 Conce | | | CC01 | RB01 | W-PT04 | ACT02 | | | |
| 1 Conce | | | CC01 | RB01 | W-PT04 | ACT01 | | | |
| 1 Conce | | | CC01 | RB01 | W-PT04 | ACT01 | | | |
| 1 Conce 1 Conce | | | CC01 CC01 | RB01 RB01 | W-PT04 W-PT04 | ACT01 ACT01 | | | |
| 1 Conce | | · · | CC01 | RB01 RB01 | W-PT04 W-PT04 | ACT01 ACT01 | | | |
| 1 Conce | | | CC01 | | W-PT04 | OTS | | | |
| 1 Conce | | · · | CC01 | RB01 | W-PT04 | ACT01 | | | |
| | | | | | 1 | | | | |
| 1 North | Ticket W4-1 | 01 Ticket Booth | CC01 | RB01 | W-PT04 | OTS | | | |
| | | | | | | | | I | |
| CCR01 1 South | Ticket W5-1 | 01 Ticket Booth | CC01 | RB01 | W-PT04 | OTS | | | |

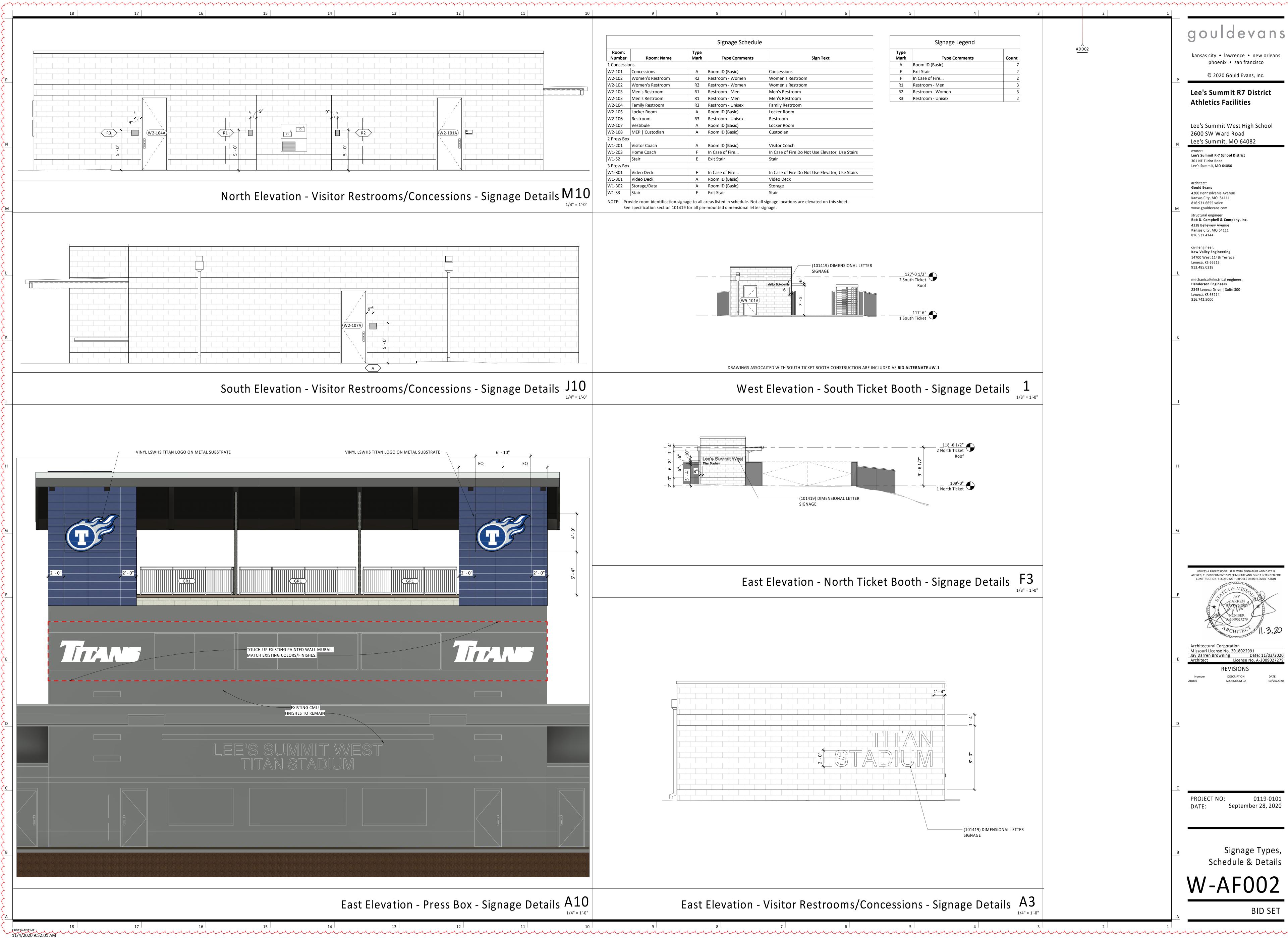
| | 9 | | 8 | 7 | | 6 | | 5 4 | : |
|----------------------|----------------------|--------------------|-------|----------------|------------------|------------------|------|--|----------------|
| | | | | | Finish Leger | nd - Interiors | | | |
| Mark | | Manufacturer | | | Mo | odel | | Comments | Latest Revisio |
| | N-PLACE CONCRE | | | | | | | | |
| CC01 | | IN PLACE CONCRETE | | | | | | CONCRETE WITH CURE AND SEALING COMPOUND | |
| CC02 | EXPOSED CAST | IN PLACE CONCRETE | | | | | | CONCRETE WITH (071800) TRAFFIC COATING | |
| 042000 CONCR | RETE MASONRY U | NITS | | | | | | | \sim |
| W-CMU1 | TRENWYTH | | | MESASTONE - I | LANDER'S BAY | | | MORTAR TO MATCH COLOR OF EXISTING ADJACENT M | |
| | | | | | | | | COLOR(S) | RFI08 |
| W-CMU2 | TRENWYTH | | | ASTRA-GLAZE-S | SW - COSMIC BLUI | E | | future | |
| 064023 INTERI | OR ARCHITECTUR | AL WOODWORK | | | | | | | |
| MEL01 | TBD | | | WHITE MELAM | IINE | | | | |
| PL01 | TBD | | | COLOR TO MAT | ТСН РТО1 | | | | |
| | ING SEAM METAL | ROOF | | | | | | | |
| W-MR1 | PAC-CLAD | | | SNAP-CLAD - C | ITYSCAPE | | | | |
| | NUM COMPOSITE | E WALL PANEL | | | | | | | |
| W-MWP1 | PAC-CLAD | | | PAC-3000 RS C | OMPOSITE WALL | PANEL - AWARD | BLUE | | |
| 085653 | | | | | | | | | |
| IGU-02 | TBD | | | BULLET-RESIST | ANT GLAZING | | | BULLET-RESISTANT GLASS | |
| | STICAL PANEL CEIL | INGS | | | | | | | |
| ACT01 | USG | | | | LUS TREATED WIT | | | COLOR: WHITE, SIZE: 24" X 48" x 1", EDGE: SQ | |
| ACT02 | USG | | | KITCHEN LAY-IN | N PANEL CLIMAPL | US PERFORMAN | CE | COLOR: WHITE, SIZE: 24" X 48" x 1", EDGE: SQ | |
| 096513 RESILIE | | | | | | | | | I |
| RB-01 | ROPPE | | | 123 CHARCOAL | | | | 4" COVE BASE | |
| 099113 EXTERI | | | | | | | | | I |
| W-PT01 | SHERWIN WILLI | | | SW 6804 DIGN | | | | COLOR MATCH FOR PRE-FINISHED SHEET METAL | |
| W-PT02 | SHERWIN WILLI | | | SW 7073 NETW | | | | COLOR MATCH FOR PRE-FINISHED SHEET METAL | |
| W-PT03 | SHERWIN WILLI | AMS | | SW 7024 FUNC | TIONAL GRAY | | | COLOR MATCH FOR PRE-FINISHED SHEET METAL | |
| 099123 INTERI | | | | | | | | | |
| W-PT04 | SHERWIN WILLI | | | SW 7007 BRIGH | AT WHITE | | | | |
| | | RIOPS | | | | | | | |
| SS01 | CORIAN | | | MODERN WHIT | IE | | | GENERAL COUNTERTOPS | |
| | | | | | Finish S | chedule | | | |
| Laval | Poom Number | Room Nama | Floor | | nish | Coiling | _ | Commonte | |
| Level 1 Press Box | Room Number W1-S1 | Room Name Stair | ETR | Base | ETR | Ceiling | | Comments | |
| I FIESS BUX | VV1-31 | Stall | EIK | | LIN | | | | |
| 2 Press Box | W1-202 | Command Center | ETR | ETR | ETR | W-PT04 | | | |
| 2 Press Box | W1-202 | Visitor Coach | ETR | ETR | ETR | W-PT04 | | | |
| 2 Press Box | W1-201 W1-203 | Home Coach | ETR | ETR | ETR | W-PT04 W-PT04 | | | |
| 2 Press Box | W1-203 | Electrical | ETR | ETR | ETR | OTS | | | |
| 2 Press Box | W1-204 W1-205 | Vestibule | ETR | ETR | ETR | W-PT04 | | | |
| 2 Press Box | W1-203 | Stair | ETR | | ETR | | | | |
| COS DOX | ••• 1 J2 | | | | | | 1 | | |
| 3 Press Box | W1-301 | Video Deck | CC02 | CC02 | W-PT01 | OTS | | ND STRUCTURE TO BE PAINTED W-PT02 | |
| 3 Press Box | W1-53 | Stair | CC02 | | W-PT04 | OTS | | | |
| 3 Press Box | W1-302 | Storage/Data | CC01 | RB01 | W-PT04 | OTS | | | |
| | | | | | | 010 | 1 | | |
| 1 Concessions | W2-109 | Storage | CC01 | | W-PT04 | OTS | | | |
| 1 Concessions | W2-101 | Concessions | CC01 | RB01 | W-PT04 | ACT02 | | | |
| 1 Concessions | W2-101 | Locker Room | CC01 | RB01 | W-PT04 | ACT01 | | | |
| 1 Concessions | W2-102 | Women's Restroom | CC01 | RB01 | W-PT04 | ACT01 | | | |
| 1 Concessions | W2-102 | Men's Restroom | CC01 | RB01 | W-PT04 | ACT01 | | | |
| 1 Concessions | W2-103 | Family Restroom | CC01 | RB01 | W-PT04 | ACT01 | | | |
| 1 Concessions | W2-106 | Restroom | CC01 | RB01 | W-PT04 | ACT01 | | | |
| 1 Concessions | W2-108 | MEP Custodian | CC01 | | W-PT04 | OTS | | | |
| 1 Concessions | W2-107 | Vestibule | CC01 | RB01 | W-PT04 | ACT01 | | | |
| | | | | | | | 1 | | |
| 1 North Ticket | W4-101 | Ticket Booth | CC01 | RB01 | W-PT04 | OTS | | | |
| 1 South Ticket | W5-101 | Ticket Booth | CC01 | RB01 | W-PT04 | OTS | | | |
| | $\dot{\gamma}$ | | | 1 | | 1 | 1 | | |

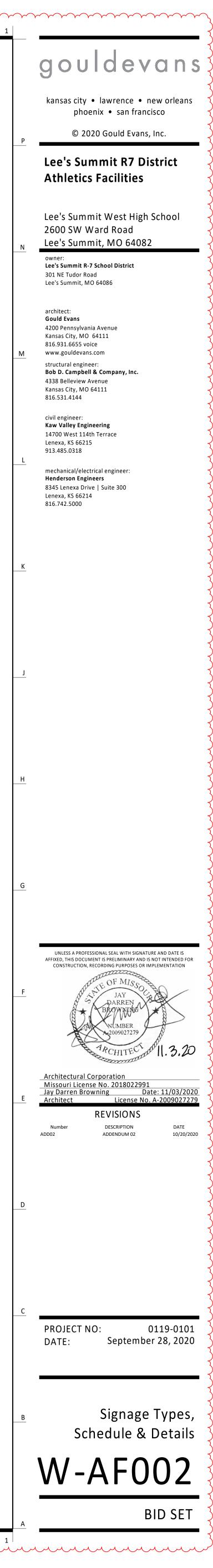
<u>CCR01</u> <u>I South licket WS-101</u> licket Booth <u>CC01</u> NOTE: ALL PAINT LOCATED IN WET AREAS TO BE SEMI-GLOSS EPOXY PAINT.

- PROTECTING FINISHED FLOORING SURFACES FROM DAMAGE DURING ALL CONSTRUCTION PHASES. 9. PROVIDE BULLNOSE TRIM AT TRANSITIONS FROM CERAMIC WALL TILE TO OTHER MATERIAL, UNLESS NOTED OTHERWISE.
- 10. REFER TO REFLECTED CEILING PLANS FOR CEILING HEIGHTS. 11. ALL ELECTRICAL DEVICE COVERS ARE TO BE WHITE
- UNLESS NOTED OTHERWISE. 12. CARPET PATTERNS TO RUN PARALLEL TO CORRIDOR, UNLESS NOTED OTHERWISE.
- 13. ALL HOLLOW METAL DOOR FRAMES TO BE PAINTED TO MATCH ADJACENT WALL COLOR.

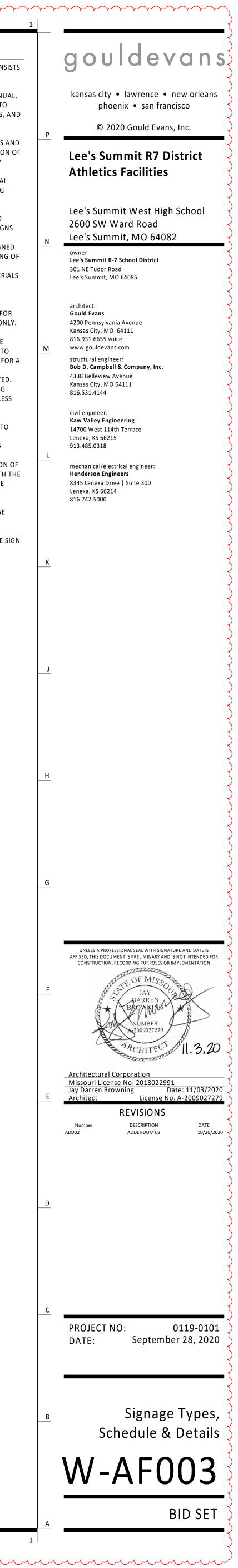
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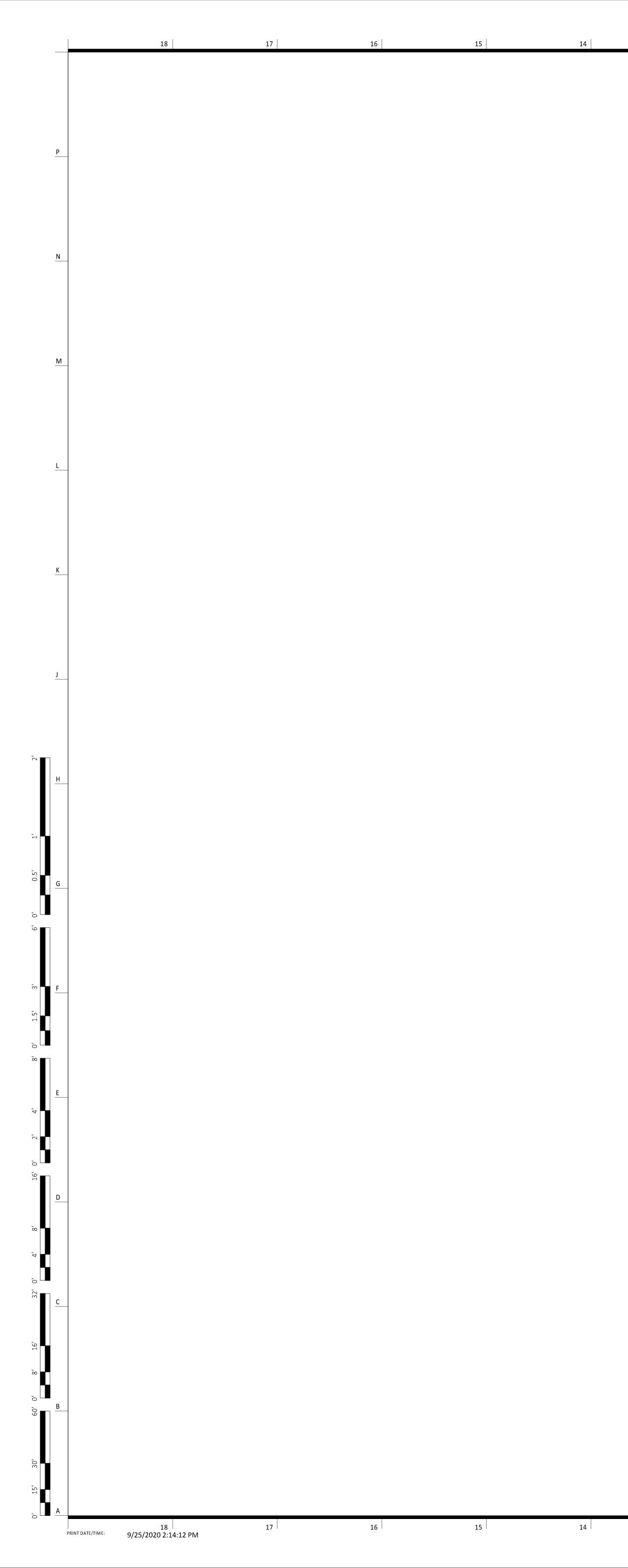






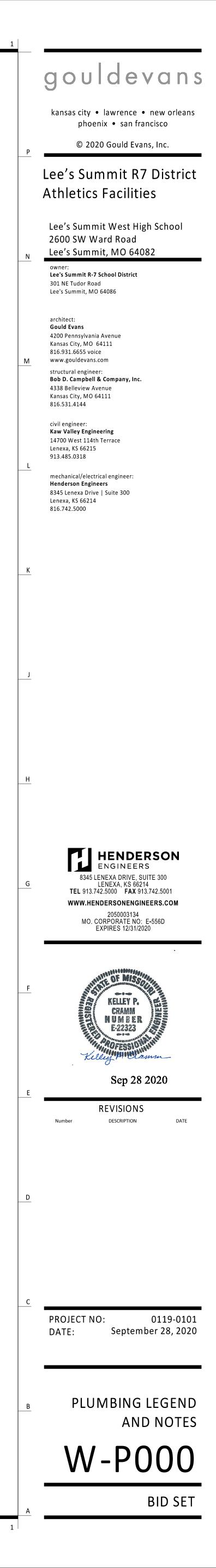
| 18 17 16 | 15 14 13 12 11 | 10 9 8 7 | 6 5 4 3 | 2 |
|------------|---|--|---|--|
| | | | | General Notes (Signage): 1. THE ENVIRONMENTAL GRAPHICS PACKAGE CONS OF THE FOLLOWING COMPONENTS: DETAIL DRAWINGS, SIGN LOCATION PLANS, SIGNAGE MESSAGE SCHEDULE, AND SPECIFICATION MANU 2. ALL SIGNS TO BE FABRICATED AND INSTALLED TO COMPLY WITH LOCAL BUILDING CODES, ADAAG, A ANSI 117.1 |
| | | | | FABRICATOR TO REVIEW THE STRUCTURAL, MECHANICAL, AND ARCHITECTURAL DRAWINGS A SITE CONDITIONS TO VERIFY SIZES AND LOCATION SIGNAGE RELATED ELEMENTS THAT EXIST. ANY DISCREPANCIES AND/OR CONFLICTS SHALL BE REPORTED TO THE OWNER/ARCHITECT/GENERAL CONTRACTOR IN WRITING BEFORE PROCEEDING WITH FABRICATION OR ORDERING MATERIALS. FABRICATOR SHALL SUBMIT FULLY DETAILED |
| <u>N</u> | | | | WORKING (SHOP/FABRICATION) DRAWINGS TO ARCHITECT/GENERAL CONTRACTOR FOR ALL SIGN AND GRAPHICS CONTAINED IN THIS PACKAGE. DRAWINGS SHALL BE REVIEWED AND HAVE SIGN APPROVAL PRIOR TO FABRICATION OR ORDERING MATERIALS. ALL SIGNS ARE TO BE FABRICATED FROM MATERI SPECIFIED UNLESS OTHERWISE APPROVED IN WRITING BY THE OWNER/ARCHITECT. NO |
| <u>M</u> | | | | EXCEPTIONS. DRAWINGS CONTAINED IN THIS PACKAGE ARE FOR AESTHETIC AND FUNCTIONAL DESIGN INTENT ON NO INSTRUCTIONS FOR STRUCTURAL APPROPRIATENESS HAVE BEEN MADE. IT IS THE RESPONSIBILITY OF THE SIGNAGE FABRICATOR TO ENSURE THAT ALL ELEMENTS ARE FABRICATED FOR STABLE AND DURABLE INSTALLATION WHILE ADHERING TO THE AESTHETIC DETAILS INDICATE FABRICATOR IS RESPONSIBLE FOR DETERMINING PROPER MOUNTING METHODS FOR SIGNS UNLED OTHERWISE SPECIFIED. ALL MOUNTING |
| | | | | MATERIALS/TECHNIQUES TO BE APPROVED IN WRITING AND HAVE SIGNED APPROVAL PRIOR TO INSTALLATION. 8. ALL FASTENERS ARE TO BE CONCEALED UNLESS NOTED OTHERWISE. 9. FABRICATOR TO COORDINATE THE INSTALLATION SITE SIGNAGE AND ASSOCIATED FOOTINGS WITH GENERAL CONTRACTOR'S INSTALLATION OF THE SURROUNDING HARDSCAPE. 10. ALL TEXT SHOWN IN DETAIL DRAWINGS IS FOR REFERENCE ONLY. REFER TO SIGNAGE MESSAGE |
| <u>K</u> | | | | SCHEDULE FOR EXACT TEXT ON EACH SIGN. 11. ALL ROOM IDENTIFICATIONS SIGNS ARE TO BE MOUNTED 9 INCHES FROM THE CENTER OF THE S TO THE LATCH SIDE OF DOOR FRAME. |
| | | D109 | D109 Janear TEL | |
| H ADDO2 | RESTROOM ************************************ | RESTROOM ************************************ | RESTROOM +************************************ | |
| 3 | Restroom - Unisex R3 | Restroom - Women R2 | Restroom - Men R1 | |
| | | | | |
| | | IN CASE OF FIRE DO NOT USE ELEVATOR, USE STAIRS .* | STAIRS .*.j | |
| | | In Case of Fire F | Exit Stair E | |
| | | | D109 | |
| | | | CLASSROOM | |
| В | | | 6"W x 9"H x 1/4" D 3/4" RADIUS CORNERS 5/8" HELVETICA TEXT & NUMBER | |
| | | | Room ID (Standard) $A_{6''=1'-0''}$ | |

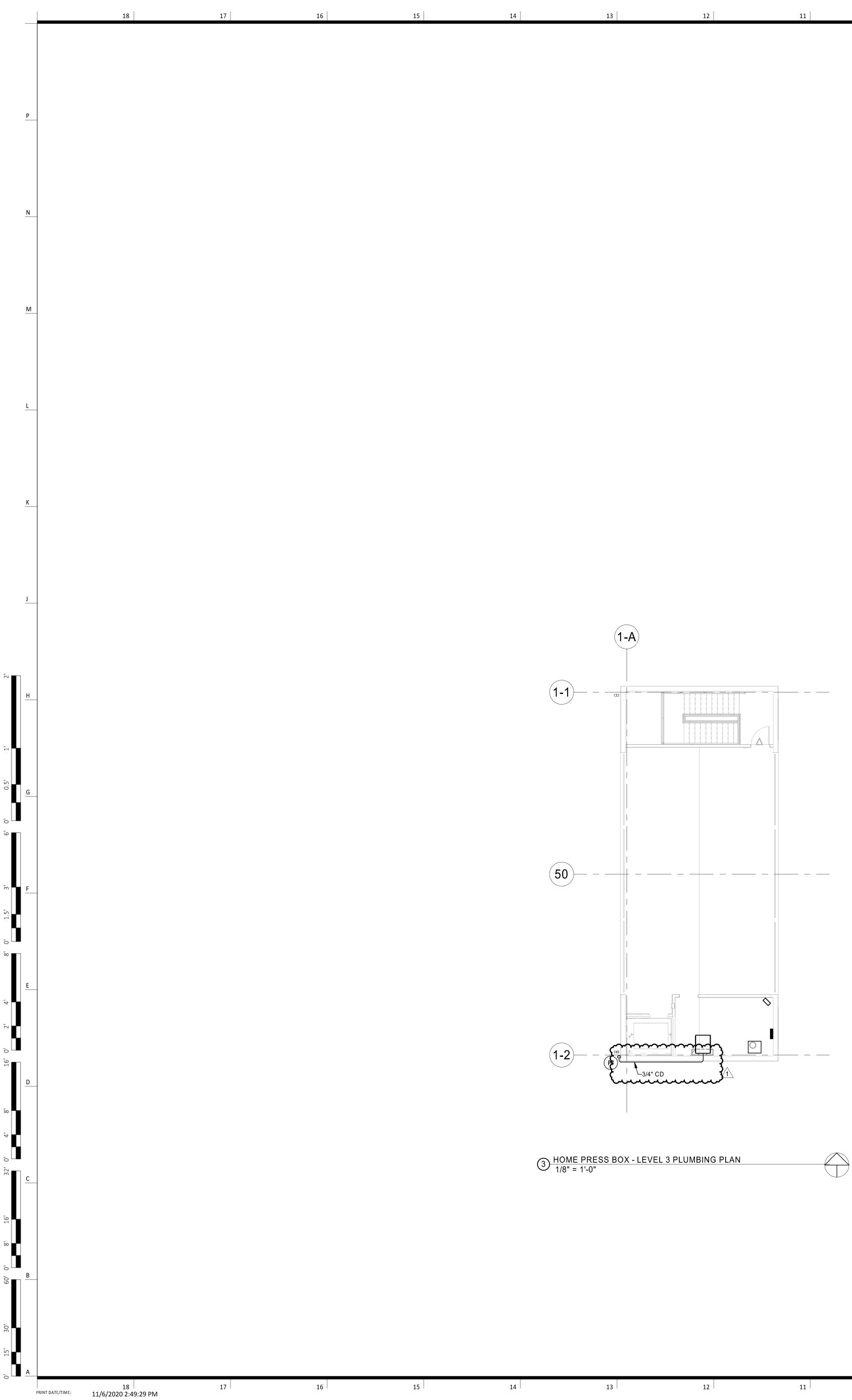




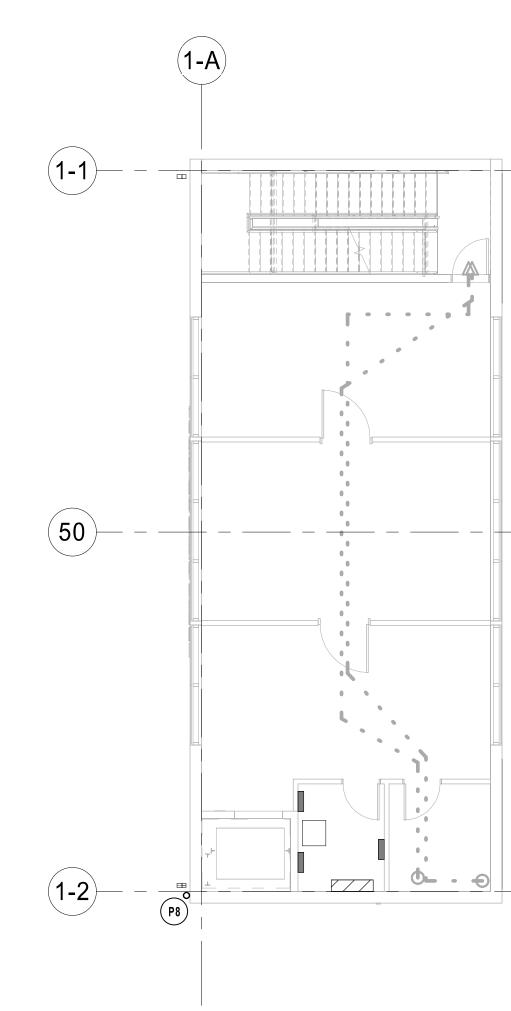
| | | | 1. PROVIDE A CONSTRUCTION RECORD SET OF "AS-BUILT" |
|---|--|--|---|
| HIS IS A MASTER LEGEND AND NOT ALL SYMBOLS OR ABBR | EVIATIONS ARE USED. PIPING SYMBOLS | V2.02 PIPING LINETYPES | DOCUMENTS TO THE ARCHITECT REFLECTING ANY VARIANCE OF INSTALLED PIPING LOCATIONS OR EQUIPMENT CONTRARY TO THE CONSTRUCTION DOCUMENTS, REFER TO |
| LINIC SERVICE SINKS (RIM) 30" | OXYGEN OUTLET | | SPECIFICATIONS. 2. DRAWINGS ARE DIAGRAMMATIC ONLY AND REPRESENT THE |
| OSE BIBB (CENTERLINE) 36" | NITROUS OXIDE OUTLET | | GENERAL SCOPE OF THE WORK. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND PLANS FOR ADDITIONAL |
| CE MAKER OUTLET BOX (CENTER OF BOX) 24" | MEDICAL AIR OUTLET | | REQUIREMENTS THAT MAY NOT BE SPECIFICALLY CALLED OU IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. |
| ANITOR'S SINK FAUCET FITTINGS (CENTERLINE) 42" | → NITROGEN OUTLET | | NOTIFY THE ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID. |
| AVATORY OR SINK STANDARD HEIGHT (RIM) 31" | | | 3. PROVIDE TO THE ARCHITECT A COPY OF INSPECTION REPORTS AND APPROVAL CERTIFICATES FROM LOCAL AND |
| ADA ACCESSIBLE (RIM) 34" CHILD HEIGHT (RIM) 24" | FLOOR SINK (FS), SIZE & TYPE FLOOR DRAIN (FD), SIZE & TYPE | | STATE INSPECTIONS, REFER TO SPECIFICATIONS. |
| ON FREEZE WALL HYDRANT (AFG TO CENTERLINE) 18" | FLOOR DRAIN (FD), SIZE & TYPE ROOF DRAIN (RD), SIZE & TYPE | SOIL PIPING - ABOVE FLOOR (S) | 4. INSTALLATION SHALL COMPLY WITH LEGALLY CONSTITUTED CODES AND THE REQUIREMENTS OF AUTHORITIES HAVING |
| HOWER HEAD | BALL VALVE | | JURISDICTION AND ALSO MEET ALL REQUIREMENTS OF THE LANDLORD. OBTAIN A COPY OF THE LANDLORD'S |
| MEN (CENTERLINE)78"WOMEN (CENTERLINE)72" | | | REQUIREMENTS AND REVIEW PRIOR TO SUBMITTING BID. |
| HOWER VALVE STANDARD HEIGHT - MEN (CENTERLINE) 48" | | | CODE REQUIREMENTS. |
| STANDARD HEIGHT - WOMEN (CENTERLINE)40ADA ACCESSIBLE (CENTERLINE)38" TO 48" | CHECK VALVE | | VERIFY LOCATION AND DEPTH OF UTILITIES AT POINTS OF CONNECTION BEFORE START OF PIPING INSTALLATION. |
| JRGEON'S SCRUB-UP SINK (FRONT RIM) 35" | BALANCING VALVE WITH PRESSURI | PORTSCGWV COMBINATION GREASE WASTE AND VENT (CGWV) | 7. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATION AN |
| JB VALVE | WATER METER | | MOUNTING HEIGHTS OF PLUMBING FIXTURES. |
| STANDARD HEIGHT (CENTERLINE) 32" ADA ACCESSIBLE CENTER BETWEEN GRAB BAR AND TUB RIM | | STSTORM DRAIN - ABOVE FLOOR (ST) | 8. DO NOT SCALE FLOOR PLANS FOR EXACT HORIZONTAL LOCATION OF PIPE ROUTING. |
| | STRAINER WITH BLOWOFF | | 9. INSTALL CONCEALED PIPING TIGHT TO THE STRUCTURE AND |
| STANDARD HEIGHT (RIM)24"ADA ACCESSIBLE (RIM)17"CHILD HEICHT (RIM)44" | RELIEF/SAFETY VALVE | OVERFLOW STORM DRAIN - ABOVE FLOOR (OST) | AS HIGH AS POSSIBLE. 10. VALVES SHALL BE LINE SIZE UNLESS OTHERWISE NOTED. |
| CHILD HEIGHT (RIM) 14" ASHING MACHINE OUTLET BOX (RIM) 42" | SOLENOID VALVE | | 10. VALVES SHALL BE LINE SIZE UNLESS OTHERWISE NOTED. |
| ASHING MACHINE OUTLET BOX (RIM) 42" ATER CLOSET | PRESSURE REDUCING VALVE | | AREAS TIGHT TO THE STRUCTURE, WALL OR CEILING AND A HIGH AS POSSIBLE. INSTALL PIPING PARALLEL AND / OR |
| ATER CLOSET STANDARD HEIGHT (RIM) 15" ADA ACCESSIBLE (TOP OF SEAT) 17" TO 19" | GAS PRESSURE REGULATOR | | PERPENDICULAR TO WALLS. |
| CHILD HEIGHT (RIM) 10" | PA | CDH CONDENSATE DRAIN - HIGH EFFICIENCY RTU (CDH) | 12. INSTALL VALVES AND APPURTENANCES A MAXIMUM OF 24" ABOVE CEILING IN ACCESSIBLE LOCATION WITHIN 24" OF |
| ATER COOLER OR DRINKING FOUNTAIN STANDARD HEIGHT (SPOUT) 41" | | | ACCESS DOORS OR ACCESSIBLE CEILING TILES. PROVIDE F AND FITTINGS TO INSTALL VALVES AND APPURTENANCES A |
| ADA ACCESSIBLE (SPOUT) 36" CHILD HEIGHT (SPOUT) 30" | | ACD AUXILIARY CONDENSATE DRAIN (ACD) | REQUIRED HEIGHT AND WITHIN 24" OF ACCESS DOORS OR ACCESSIBLE CEILING TILES. |
| | BACKFLOW PREVENTER PRESSURE GAUGE | SPD | 13. INSTALL NO PLASTIC PIPE OF ANY KIND ABOVE SLAB INSIDE |
| | PRESSORE GAUGE | G MATURAL GAS (G) G G MATURAL GAS ON ROOF (G) | UNDER THE BUILDING. INSTALL NO PLASTIC PIPE IN THE CEILING RETURN AIR PLENUM. |
| STALL PLUMBING FIXTURES AT THE MOUNTING HEIGHTS SHOWN ABOVE O IN THE ARCHITECTURAL DRAWINGS OR ELSEWHERE IN THE | | | 14. COORDINATE ALL WORK WITH OTHER TRADES AND |
| ONSTRUCTION DOCUMENTS. FINAL APPROVAL OF LOCATIONS BY CHITECT. MOUNTING HEIGHTS LISTED ABOVE, OR ELSEWHERE IN THE | | | |
| DNSTRUCTION DOCUMENTS, ARE AFF, UNO. ALL DEVICES SHALL BE STALLED IN COMPLIANCE WITH CURRENT ADA AND LOCAL | HOSE BIBB (HB) | | 15. COORDINATE PIPING INSTALLATION WITH STRUCTURAL GRA BEAMS, FOOTINGS, COLUMN PIERS, ETC. SLEEVE PIPING THROUGH GRADE BEAMS, FOOTING, ETC. WHERE REQUIRE |
| EQUIREMENTS. | | | AND AS NOTED ON PLANS. COORDINATE SLEEVE INSTALLATIONS WITH THE ARCHITECT, STRUCTURAL |
| NNOTATION | 个 MANUAL / AUTOMATIC AIR VENT OR | ACUUM RELIEF | ENGINEER, STRUCTURAL CONTRACTOR AND GENERAL CONTRACTOR BEFORE CONCRETE IS INSTALLED. |
| 1 PLUMBING PLAN NOTE CALLOUT | •••••••••••••••••••••••••••••••••••••• | | 16. CLEAN FAUCET AERATORS AND PIPE STRAINERS PRIOR TO |
| PLUMBING EQUIPMENT DESIGNATION. (CONTRACTOR | | | TURNING BUILDING OVER TO THE OWNER. |
| 1 FURNISHED AND INSTALLED). REFER TO PLUMBING FIXTURE OR EQUIPMENT SCHEDULES | CLEANOUT | VVENT PIPING (V) | 17. PROVIDE TRAP PRIMERS WHERE REQUIRED BY LOCAL AUTHORITIES. |
| | | AW ACID WASTE - ABOVE FLOOR (AW) | 18. COORDINATE PIPE ROUTING AWAY FROM ELECTRICAL PANE |
| EQUIPMENT DESIGNATION (OWNER FURNISHED, CONTRACTOR INSTALLED) | | | DO NOT INSTALL PIPING OVER ELECTRICAL PANELS. |
| | | AV ACID VENT (AV) | 19. PAINT ALL EXPOSED WATER PIPING USING RUST INHIBITOR PAINT. PAINT AND COLOR SHALL BE COORDINATED WITH TH |
| CU MECHANICAL EQUIPMENT DESIGNATION (CONTRACTOR FURNISHED AND INSTALLED UNLESS NOTED OTHERWISE) | EXTERIOR CLEANOUT (ECO) ELBOW UP | GWS-GWS-GRAY WATER (GWS) | ARCHITECT AND / OR OWNER. |
| | | CA———————————————————————————————————— | 20. COORDINATE ALL ROOF PENETRATIONS WITH OTHER TRAD MAINTAIN 10' MINIMUM CLEARANCE FROM ALL AIR INTAKES. |
| CONNECTION POINT OF NEW WORK TO EXISTING | | ————MA———— MEDICAL AIR (MA) | MAINTAIN 2' CLEARANCE FROM ALL OTHER EQUIPMENT. |
| 1 DETAIL REFERENCE UPPER NUMBER INDICATES DETAIL NUMBER LOWER NUMBER INDICATES SHEET NUMBER | | MV | 21. INSULATE PIPING ROUTED IN EXTERIOR BUILDING WALLS WI MINIMUM 2" BATT INSULATION TO PREVENT FREEZING. |
| | ELBOW UP WITH SHUT-OFF VALVE (| HELIUM (HE) | 22. PROVIDE "HEAVY-DUTY" NO-HUB COUPLINGS ON SANITARY PIPING 3" AND LARGER. SEE DIVISION 22 SPECIFICATION |
| 1 SECTION CUT DESIGNATION | ELBOW DOWN WITH SHUT-OFF VAL | IA INSTRUMENT AIR (IA) | SECTION "SANITARY DRAINAGE AND VENT AND PIPING SPECIALTIES" FOR MORE INFORMATION. |
| BREVIATIONS | TEE UP WITH SHUT-OFF VALVE (SO | INSTRUMENT VACUUM (IV) | 23. PROVIDE TRANSITION ADAPTER COUPLINGS FOR CONNECTI |
| DA AMERICANS WITH MIN MINIMUM | | N2 | OF PVC DWV TO CAST IRON SANITARY, WASTE AND VENT PI AT SLAB ON GRADE. SEE DIVISION 22 SPECIFICATION SECTION |
| DISABILITIES ACT N/C NORMALLY CLOSED F ABOVE FINISHED FLOOR N/O NORMALLY OPEN | ^{"A"} WATER HAMMER ARRESTER (WHA) | | "SANITARY DRAINAGE AND VENT PIPING AND SPECIALTIES" MORE INFORMATION. |
| G ABOVE FINISHED GRADE NIC NOT IN CONTRACT U AIR HANDLING UNIT ORD OVERFLOW ROOF DRAIN | (A, B, C, D, & E) | | 24. FLOW CONTROL VALVES SHALL BE SIZE 1/2" AND SET AT 0.5 |
| ACCESS PANEL PDI PLUMBING DRAINAGE S BUILDING AUTOMATION INSTITUTE | | EV—EV—EVAC/WAGD (EV) | GPM UNLESS NOTED OTHERWISE. |
| SYSTEM PH/Ø PHASE F BELOW FINISHED FLOOR PRV PRESSURE REDUCING | → → → → → → → → → → → → → → → → → → → | | 25. WATER HAMMER ARRESTORS SHALL BE SIZE "A" UNLESS NOTED OTHERWISE. |
| G BELOW FINISHED GRADE VALVE DP BOTTOM OF PIPE PVC POLYVINYL CHLORIDE | GAS COCK | | 26. PROVIDE VERTICAL LIFT SPRING LOADED CHECK VALVES IN |
| DS BOTTOM OF STRUCTURE RCP REINFORCED CONCRETE | TRAP PRIMER | NIT DA DENTAL AIR (DA) | HOT AND COLD WATER SUPPLIES FOR MOP SINK FAUCETS DOWNSTREAM OF SHUTOFF VALVES. |
| P CONDENSATE PUMP RD ROOF DRAIN PVC CHLORINATED POLYVINYL RPM REVOLUTIONS PER | | DENTAL AIR (DA) | 27. PROVIDE WALL PIPES AT PIPING PENETRATIONS OF ELEVAT |
| CHLORIDE MINUTE J COPPER RTU ROOFTOP UNIT DUCTILE IRON SF SQUARE FEET | | FW1FILTERED WATER (FW1) | |
| DUCTILE IRONSFSQUARE FEETNDOWNSPSUMPSUDRAINAGE FIXTURE UNITSSSTAINLESS STEEL | | FW2 | 28. VERIFY EXISTING EQUIPMENT, INCLUDING ACCESSORIES, IS NOT DAMAGED AND IS IN GOOD WORKING ORDER. REPORT ANY DEFICIENCIES TO THE ARCHITECT. |
| DOWNSPOUT EXISTING STACK | | | 29. PROVIDE SIZE AND LENGTH OF HOT WATER FIXTURE SUPPL |
| IS ENERGY MANAGEMENT TDH TOTAL DYNAMIC HEAD SYSTEM TFA TO FLOOR ABOVE | | ROR | PIPE FROM CIRCULATED HOT WATER BRANCH OR MAIN TO TERMINATION OF HOT WATER FIXTURE SUPPLY PIPE AT EAC |
| R EXISTING TO REMAIN TFB TO FLOOR BELOW VC ELECTRIC WATER COOLER TYP TYPICAL | LINETYPE LEGEND | | FIXTURE PER 2015 INTERNATIONAL ENERGY CONSERVATION CODE, TABLE C404.3.1. FOR ½" HOT WATER FIXTURE SUPPL |
| D FLOOR DRAIN UL UNDERWRITERS FA FROM FLOOR ABOVE LABORATORIES, INC. | THROUGHOUT THE DRAWINGS DIFFERENT LINETYPES ARE U | | PIPE SIZE TO INDIVIDUAL LAVATORIES, PROVIDE MAXIMUM LENGTH OF TWO FEET. FOR $\frac{1}{2}$ " HOT WATER FIXTURE SUPP |
| B FROM FLOOR BELOW UNO UNLESS NOTED FINISHED FLOOR OTHERWISE | COMBINATION WITH THE SYMBOLS TO INDICATE THE STATUS EXISTING, TO BE DEMOLISHED, TO BE INCLUDED AS PART OF | NEW WORK | PIPE SIZE TO INDIVIDUAL SINKS, PROVIDE MAXIMUM LENGTI OF 43 FEET. FOR 3/4" HOT WATER FIXTURE SUPPLY PIPE SI |
| A FULL LOAD AMPS UPS UNINTERRUPTIBLE DA FULL LOAD AMPS POWER SUPPLY | AND/OR ITEMS WHICH ARE ANTICIPATED TO BE PROVIDED IN THE STATUS OF ITEMS USING THESE LINETYPES ARE RELATI | E TO THE | TO INDIVIDUAL SINKS, PROVIDE MAXIMUM LENGTH OF 21 FE |
| LR FLOOR VCP VITRIFIED CLAY PIPE PM GALLONS PER MINUTE VFD VARIABLE FREQUENCY | VIEW IN WHICH THEY APPEAR. PHASING SHOWN IN DRAWING INTENDED TO FULLY DESCRIBE ALL NECESSARY CONSTRUCT | ION PHASING, | |
| D HEAD, HUB DRAIN DRIVE | WHICH IS DETERMINED BY THE CONTRACTOR AS PART OF TH RESPONSIBILITIES. ANY SUCH PHASES DESCRIBED IN THE CO | NSTRUCTION | |
| | | | |
| NWC INCHES OF WATER COLUMN W/ WITH | DOCUMENTS ARE GENERAL AND ONLY INTENDED TO INDICA ORDER FOR THE SAKE OF DESCRIBING THE PROJECT. THE F | LLOWING | |
| INVERT ELEVATIONVTRVENT THROUGH ROOFWCINCHES OF WATER COLUMNW/WITHJUNCTION BOXW/OWITHOUTBOXJUNCTION BOXWCWATER COLUMN | DOCUMENTS ARE GENERAL AND ONLY INTENDED TO INDICA | LLOWING | |
| INVERT ELEVATIONVTRVENT THROUGH ROOFWCINCHES OF WATER COLUMNW/WITHJUNCTION BOXW/OWITHOUTBOXJUNCTION BOXWCWATER COLUMN | DOCUMENTS ARE GENERAL AND ONLY INTENDED TO INDICA ORDER FOR THE SAKE OF DESCRIBING THE PROJECT. THE F LINETYPES MAY BE USED ON ANY DEVICE, EQUIPMENT, NOTE | LLOWING | |

4 3

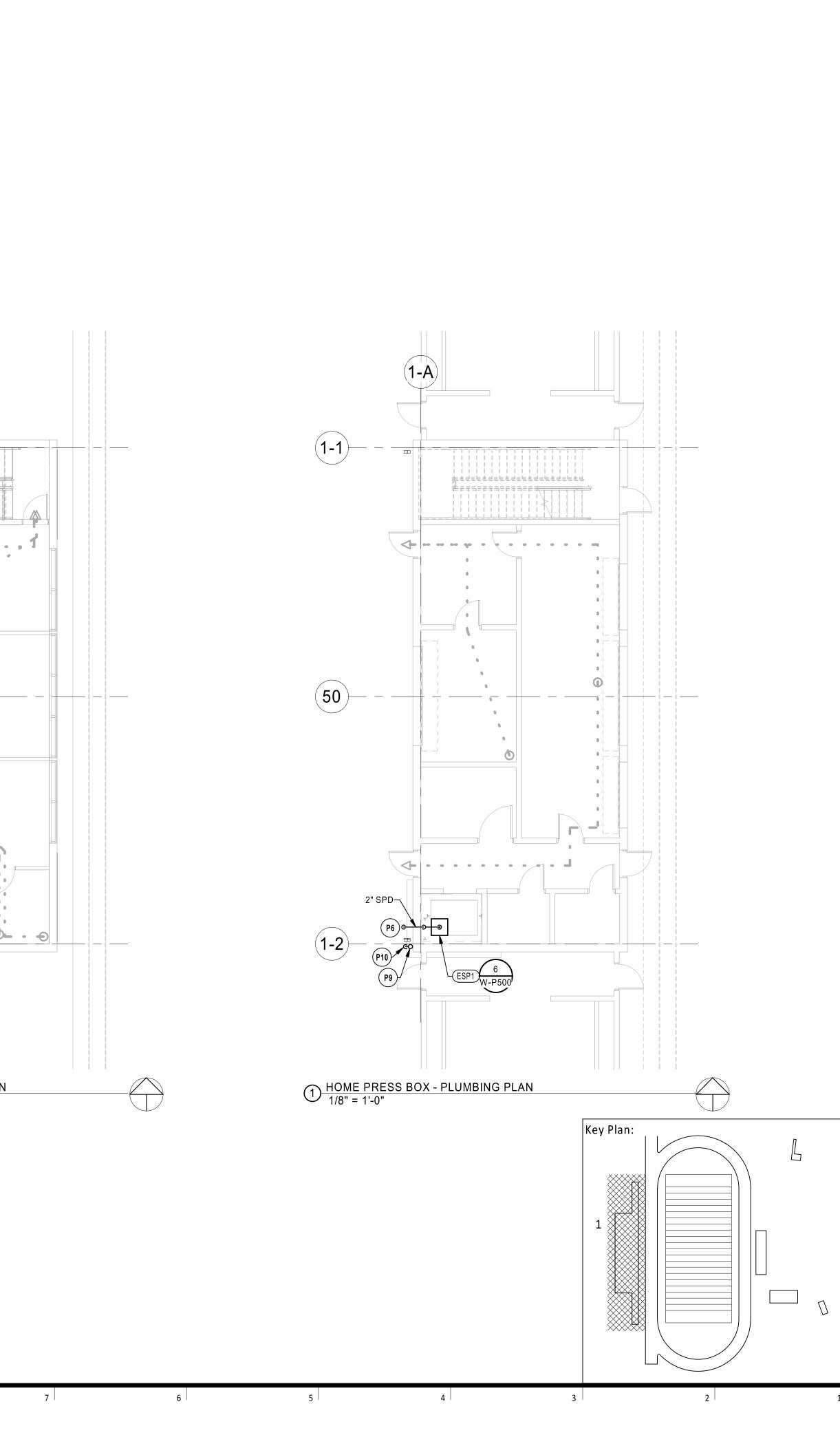








2 HOME PRESS BOX - LEVEL 2 PLUMBING PLAN 1/8" = 1'-0"



- P7 3/4" CONDENSATE DRAIN TFB.

- P8 3/4" CONDENSATE DRAIN FFA AND TFB.

- P9 3/4" CONDENSATE DRAIN FFA.

- GRADE.

P10 3/4" CONDENSATE DRAIN SHALL DISCHARGE TO GRADE.

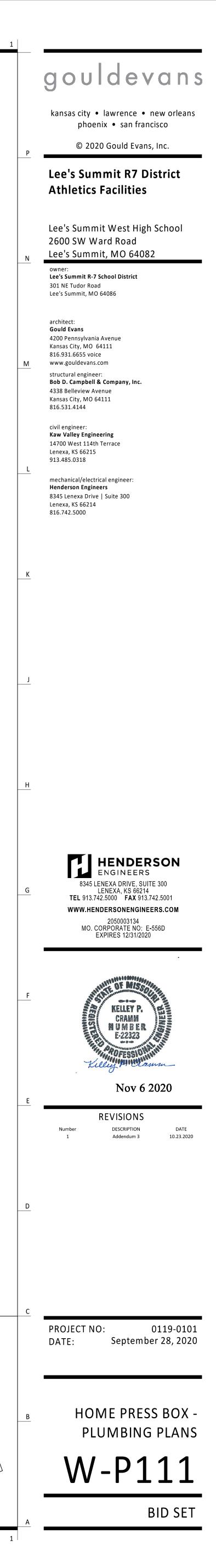
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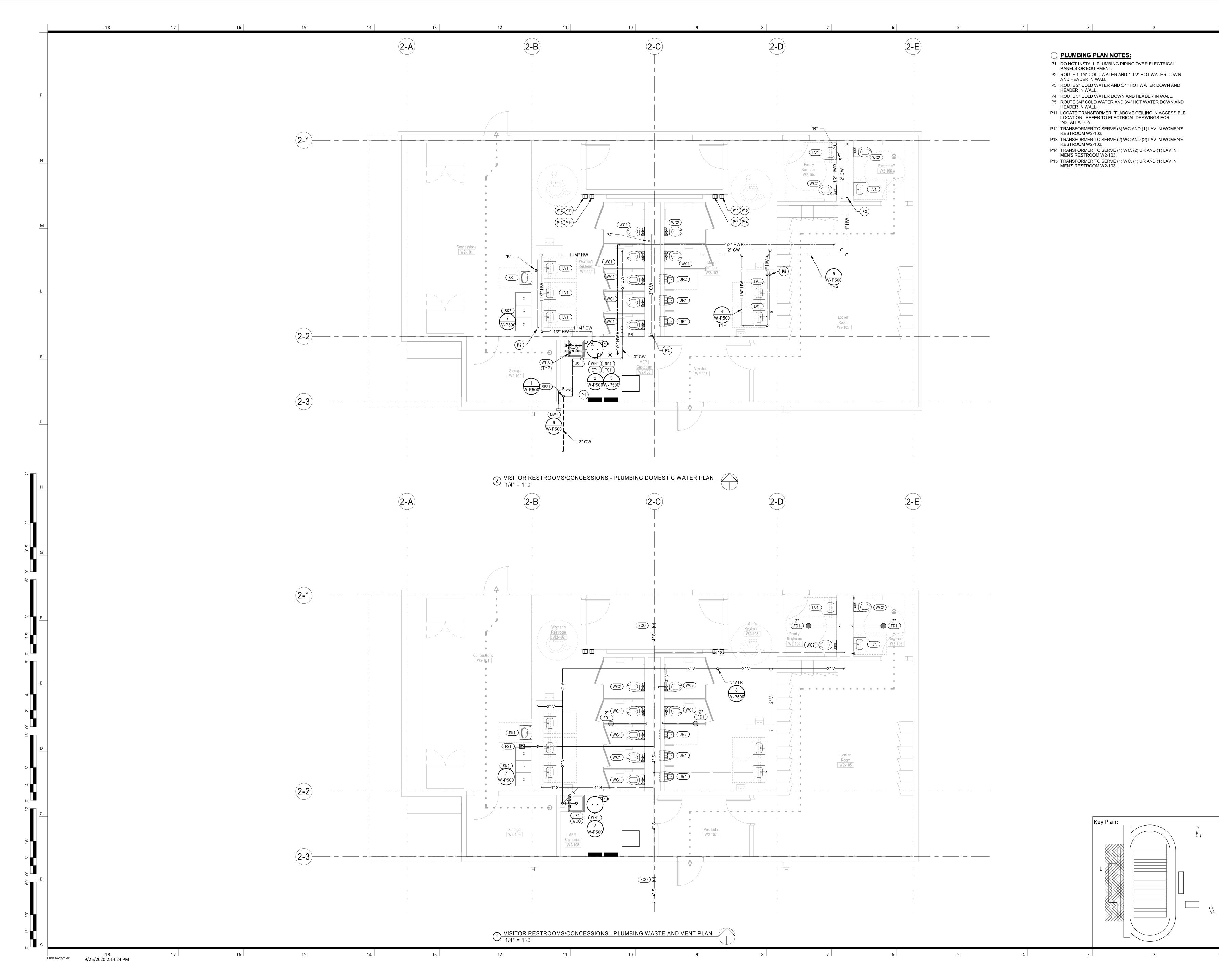
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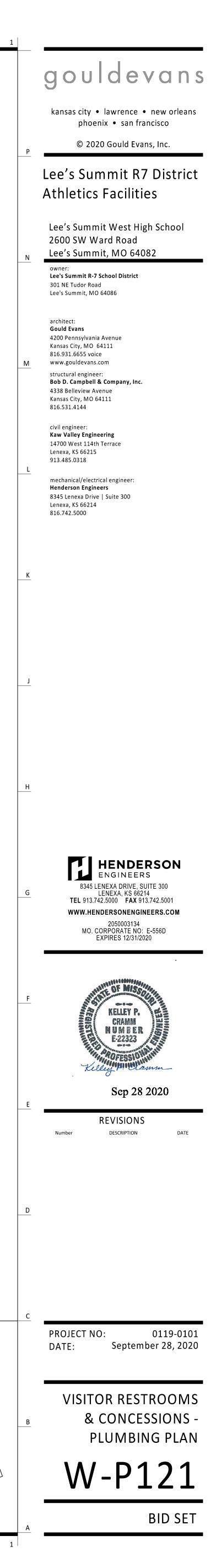
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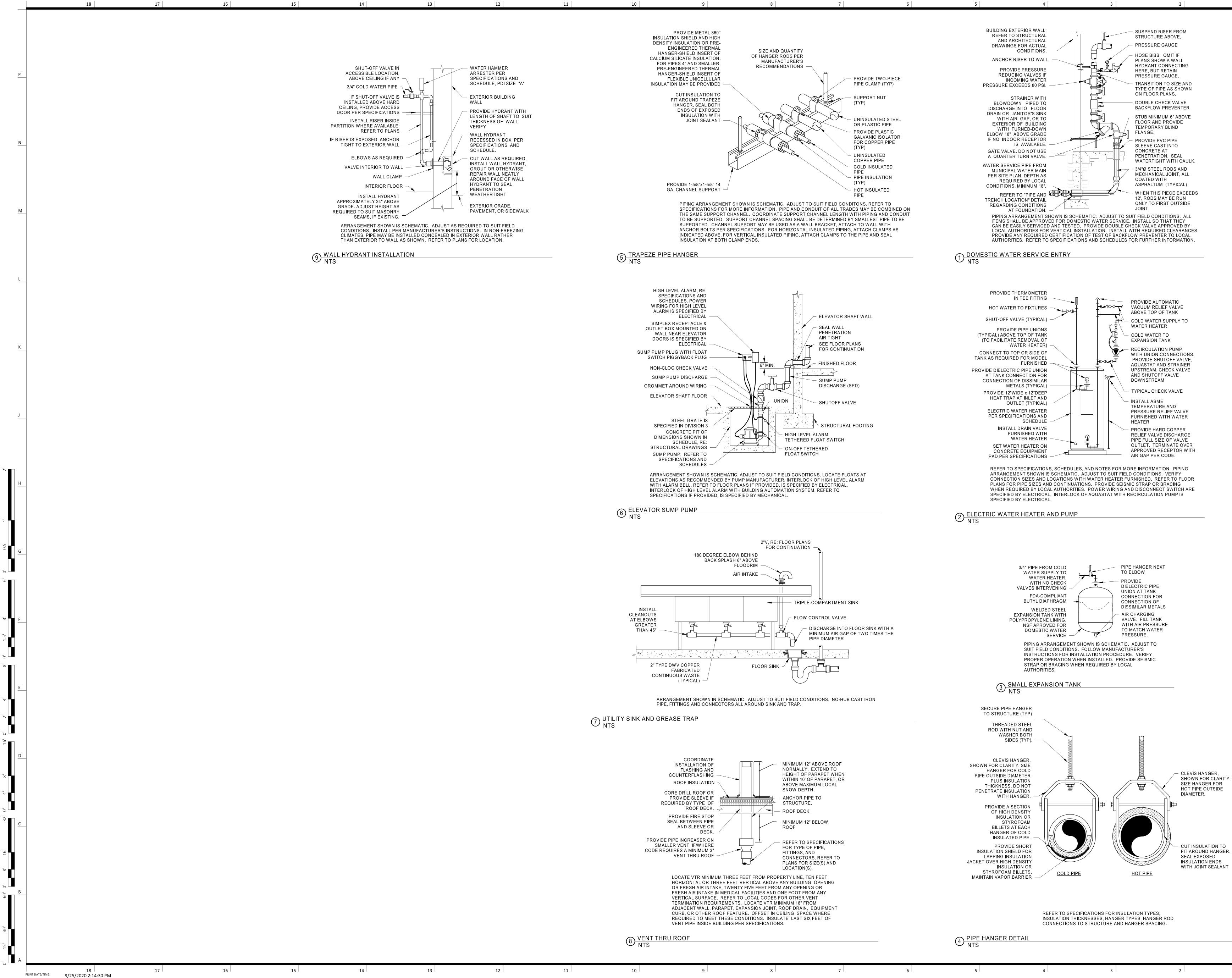
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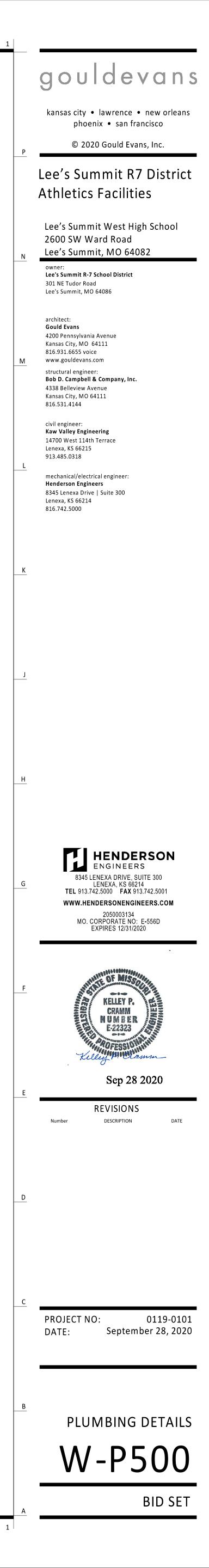


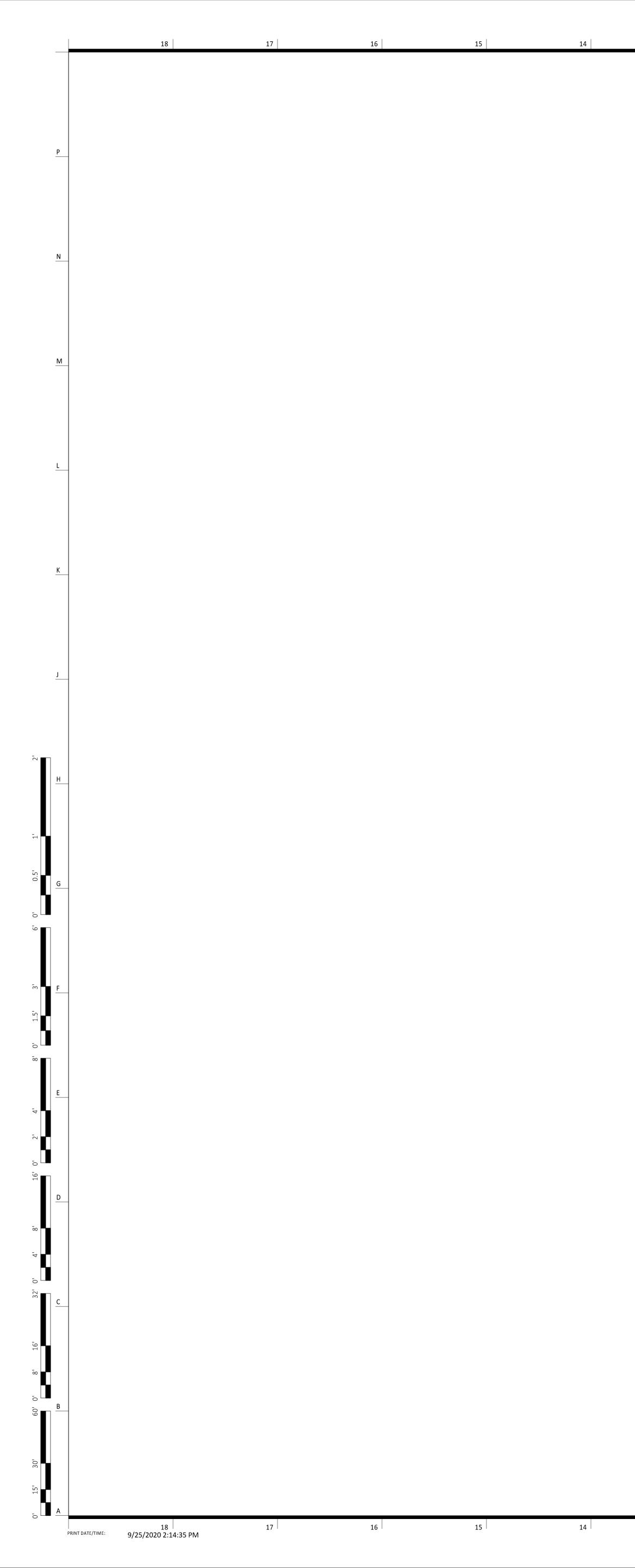






| 12 | 11 | 10 | 9 | 8 |
|----|----|----|---|---|
| | | | | |





| 13 | 12 | 11 | 10 | 9 | 8 | |
|----|----|----|----|---|---|--|
| | | | | | | |

| ELE | CTRIC | STOR | AGE | WATE | R HEA | TER S | SCHE | EDULE | |
|------|-------------|---------|----------|-----------|-------|--------------|------|--------------|-------|
| | MANUFACTURE | | AREA | TANK SIZE | ELE | CTRICAL DATA | | | |
| MARK | R | MODEL# | SERVED | (GALLONS) | VOLTS | PHASE | KW | WEIGHT (LBS) | NOTES |
| WH1 | A.O. SMITH | #DRE-80 | ENTIRE | 80 | 480 | 3 | 24 | 950 | А |
| | | | BUILDING | | | | | | |

NOTES:

A. 100°F TEMPERATURE RISE WITH 140°F OPERATING TEMPERATURE.

| MARK ESP1 | MANUFACTURER WEIL | MODEL 1411-538 | LOCATI ELEVATO | | |) (FT.) SIZE | HARGE E (IN.) 2" |
|--------------|--|-------------------|--------------------------------|------------------------------|--------------|---------------------|------------------------|
| E3F1 | | 1411-000 | | ית דוון 50 | 2 | .1 . | ۷ |
| OTES: | | | | | | | |
| | VIDE WEIL #8245 FLOA VIDE WITH WEIL #8341 | | | | | | |
| . PRO | VIDE 2" DISCHARGE P | IPING, SHUTC | OFF VALVE A | ND ZOELLER #3 | | | |
| | ER TO DETAIL FOR MC ALL IN 24"SQUARE x 2 | | | | R PIT SEE AF | CHITECTURAL | DRAW |
| | | I DEEL COM | | | | | Brown |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| PL | UMBING | EXP | ANSI | ON TA | NK S | CHED | UL |
| PL | UMBING | EXP | ANSI | ON TA | NK S | CHED | UL |
| PL | UMBING | EXP | | MIN. ACCEPTANCE | NK S | CHED | UL |
| PL | UMBING | | ANSI TANK SIZE (GALLONS) | MIN. | NK S | CHED WEIGHT (LBS | |
| | | | TANK SIZE | MIN. ACCEPTANCE VOLUME | | | |

| RECIRCULATION PUMP SCHEDULE | | | | | | | | | |
|-----------------------------|----------------|--------|-----|-------|------------|--------|-------|------|-----|
| | | | | HEAD | CONNECTION | ELECTF | RICAL | DATA | |
| MARK I | MANUFACTURER | MODEL | GPM | (FT.) | SIZE | VOLTS | PH | HP | NOT |
| RP1 E | BELL & GOSSETT | NBF-9U | 1 | 7 | 3/4" | 120 | 1 | 1/18 | A-E |

A. ALL LEAD FREE CAST BRONZE BOOSTER. B. PROVIDE WITH STRAINER UPSTREAM OF PUMP.

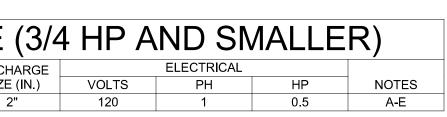
PROVIDE ADJUSTABLE, SURFACE MOUNTED AQUASTAT - HONEYWELL L6006C. SET AQUASTAT TO SHUT OFF RECIRCULATION PUMP AT WATER HEATER SET POINT AND ON AT 10°F BELOW SET POINT.

| FIXTURE BRANCH C | ONNEC | CTION | SCH |
|----------------------------|------------|-----------|-------|
| FIXTURE | COLD WATER | HOT WATER | WASTE |
| FLOOR DRAIN | | | 2" |
| JANITOR'S SINK | 1/2" | 1/2" | 3" |
| LAVATORY/HAND SINK | 1/2" | 1/2" | 2" |
| SINK | 1/2" | 1/2" | 2" |
| URINAL | 1" | 1" | 2" |
| WATER CLOSET (FLUSH VALVE) | 1 1/4" | | 4" |

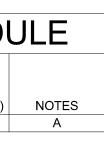
NOTE: PIPE SIZES SHOWN ARE MINIMUM.

13

12



CIFICATIONS. CHECK VALVE.



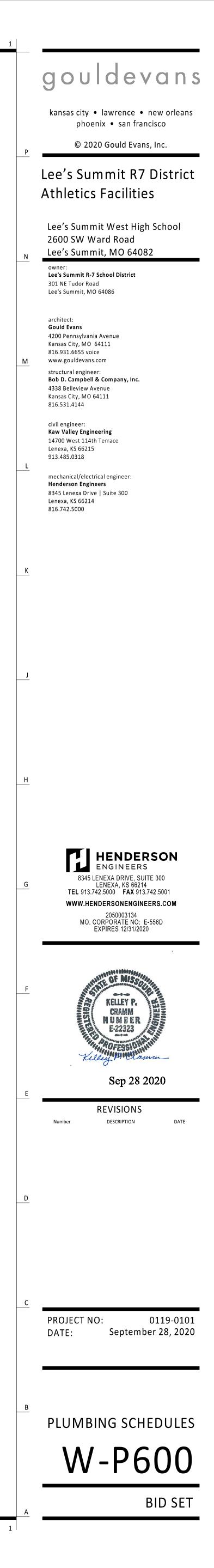
NOTES A-E

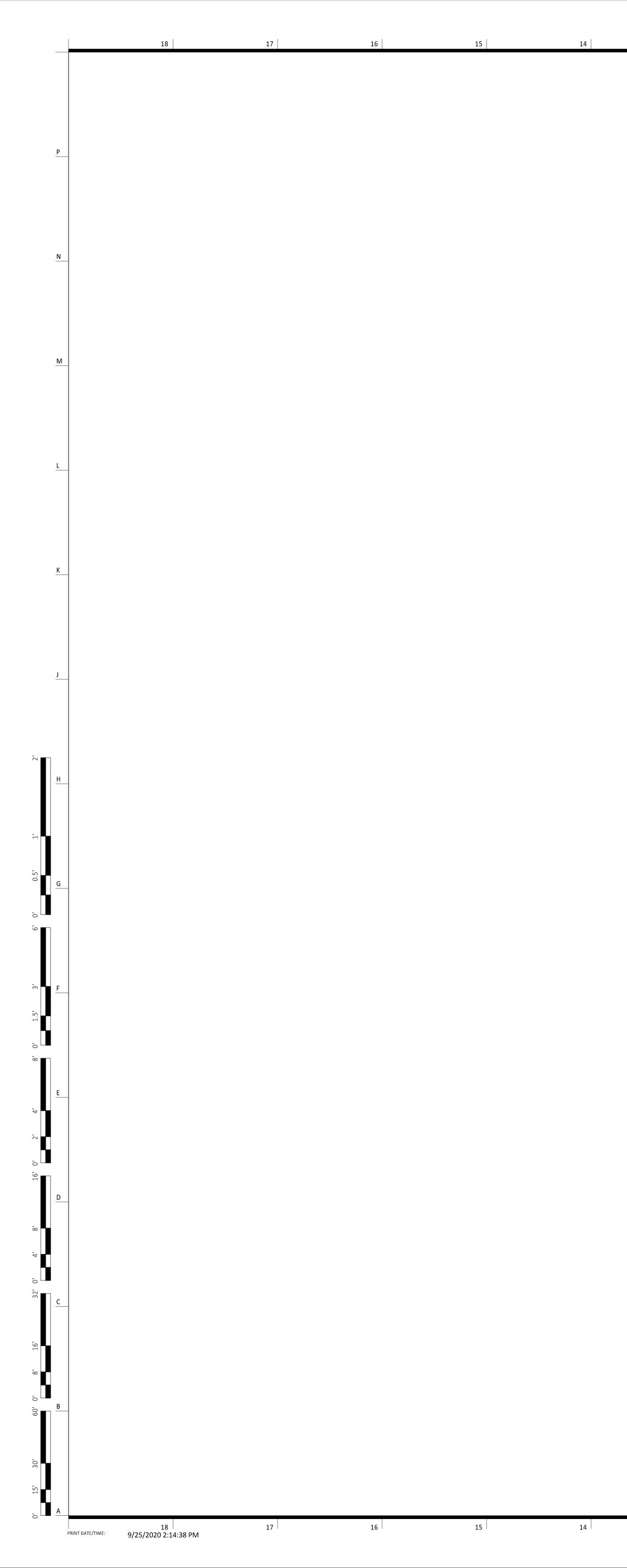
| HE | DULE |
|-----|--------|
| STE | VENT |
| " | 2" |
| " | 2" |
| " | 1 1/2" |
| " | 2" |
| " | 2" |
| " | 2" |

| PLUMBING FIXTURE SCHEDULE |
|---------------------------|
|---------------------------|

FIXTURES IN THIS SCHEDULE OR THEIR APPROVED EQUIVALENT ARE PROVIDED BY THE PLUMBING CONTRACTOR. SUBMIT SHOP DRAWINGS ON EACH OF THESE ITEMS. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION AND INSTALLATION REQUIREMENTS. VERIFY ROUGH-IN REQUIREMENTS WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS AND INSTALL PER MANUFACTURER'S RECOMMENDATIONS. REFER TO THE ARCHITECTURAL DRAWINGS FOR THE PLUMBING FIXTURE MOUNTING HEIGHTS.

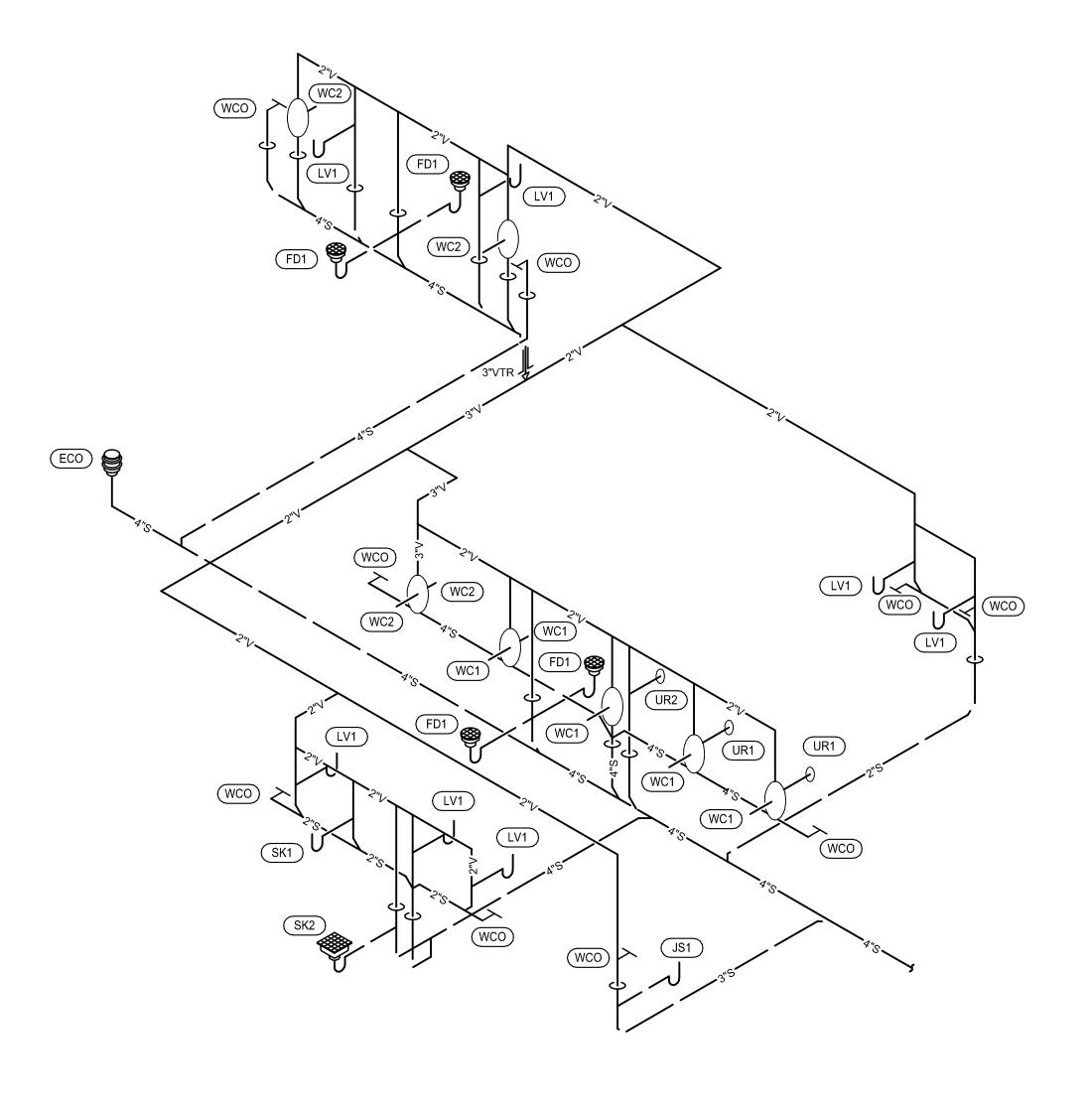
| HEIGHTS. | JMBING FIXTURE SCHEDULE |
|-----------------------|--|
| PLUMBING PLAN MARK | DESCRIPTION |
| ECO | EXTERIOR CLEANOUT: JAY R. SMITH # 4261L SERIES DUCO CAST IRON DOUBLE FLANGED HOUSING WITH HEAVY DUTY SECURED SCORIATED CAST IRON COVER WITH LIFTING DEVICE AND CLEANOUT BODY WITH ABS PLASTIC PLUG WITH GASKET SEAL AND PUSH-ON JOINT. REFER TO SPECIFICATIONS FOR |
| EWC1 | INSTALLATION. ELECTRIC WATER COOLER (ADA ACCESSIBLE): ELKAY VRCTLDDWSK BARRIER FREE, LEAD FREE WITH BOTTLE FILLING STATION. FRONT ACTUATOR BUTTON, STAINLESS STEEL BOWL, VANDAL RESISTANT BUBBLER AND STAINLESS STEEL FRONT AND SIDES. NON CHILLED, NON FILTERED. BOTTLE FILLING STATION: ELECTRONIC SENSOR FOR TOUCHLESS ACTIVATION WITH AUTO 20-SECOND SHUT-OFF TIMER, UNIT PROVIDES 1.1-1.5 GPM WITH LAMINAR FLOW TO MINIMIZE |
| | SPLASHING. TRIM: McGUIRE # LF2165CC LEAD FREE BRASS COMPRESSION ANGLE STOP VALVE WITH RISER AND ESCUTCHEON, McGUIRE # B8872CF 1-1/4" 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP AND WASTE ARM WITH CLEANOUT PLUG AND ESCUTCHEON, AND SUITABLE CARRIER WITH STANCHIONS TO FLOOR. ELECTRICAL REQUIREMENTS: 120-VOLT, 1 FULL LOAD AMPS. |
| FD1 | FLOOR DRAIN: JAY R .SMITH # 2005L (-A), CAST IRON BODY AND CLAMPING COLLAR, ADJUSTABLE 6" ROUND NICKEL BRONZE STRAINER. USE PUSH-ON JOINT OF OUTLET SIZE AS SHOWN ON PLANS. TRAP SEAL: PROVIDE TRAP SEAL PER SPECIFICATIONS FOR ACTUAL FLOOR DRAIN MODEL AND SIZE. |
| FS1 | FLOOR SINK: JAY R. SMITH # 3101L (-12), 6" DEEP CAST IRON BODY WITH ACID RESISTING ENAMELED INTERIOR, ANCHOR FLANGE WITH SEEPAGE HOLES, CLAMP COLLAR, WHITE ABS SEDIMENT BUCKET, AND 8-1/2" SQUARE NICKEL BRONZE RIM AND HALF GRATE. USE PUSH-ON JOINT OF OUTLET SIZE AS SHOWN ON PLANS. |
| JS1 | JANITOR'S SINK: STERN-WILLIAMS # MTB-2424, 24" x 24" x 10" HIGH TERRAZZO BASIN WITH INTEGRAL STAINLESS STEEL DRAIN BODY. FAUCET: CHICAGO FAUCET # 897-CP FAUCET WITH WALL BRACE, INTEGRAL VACUUM BREAKER, PAIL HOOK, AND 3/4" MALE HOSE THREADED OUTLET. SECURE FAUCET IN WALL WITH BACKBOARD. TRIM: # BP TYPE 304, 20 GAUGE, STAINLESS STEEL WALL SURROUNDS, # T-35 THREE FOOT LONG REINFORCED HOSE WITH 3/4" CHROME COUPLING AND WALL |
| LV1 | HOOK, # V-70 EXTRUDED VINYL BUMPER GUARD, AND # T-40 24" STAINLESS STEEL MOP HANGER. WALL-MOUNTED LAVATORY: AMERICAN STANDARD # 0355.012 "LUCERNE" 20-1/2" X 18-1/4" RECTANGULAR WALL MOUNTED WHITE VITREOUS CHINA FIXTURE WITH FAUCET LEDGE AND FRONT OVERFLOW. FAUCET: SLOAN "OPTIMA" # EBF-187-0.5 CENTERSET, VANDAL RESISTANT, 4" TRIM |
| | PLATE, BATTERY POWERED SENSOR OPERATED FAUCET WITH 0.5 GPM AERATOR. TRIM: McGUIRE # 155A GRID DRAIN WITH TAILPIECE, McGUIRE # 2165CCLK LOOSE KEY COMPRESSION ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS, McGUIRE # B8872CF 1-1/4" 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP AND WASTE ARM WITH CLEANOUT PLUG AND ESCUTCHEON, CONCEALED ARM CARRIER WITH STANCHIONS TO FLOOR. THERMOSTATIC MIXING VALVE: POWERS # LFG480, SOLID LEAD FREE BRASS OR BRONZE BODY, THERMOSTATIC WAX ELEMENT, CORROSION RESISTANT INTERNAL |
| | PARTS, AND INTEGRAL CHECKS, ASSE 1070 COMPLIANT, CAPABLE OF 1.6 GPM WITH A 20 PSI DIFFERENTIAL AND A MINIMUM FLOW RATE OF 0.25 GPM. SET TEMPERATURE TO 110F FOR DUAL TEMPERATURE LAVATORIES AND HAND SINKS, 100F FOR SINGLE TEMPERATURE LAVATORIES AND HAND SINKS AND 120F FOR SINKS. MOUNT BELOW THE PLUMBING FIXTURE. |
| NW1 | NON-FREEZE WALL HYDRANT: PRIER PRODUCTS # C-634NBX1, SATIN NICKEL PLATED BRASS 1" MALE INLET BY 3/4" FEMALE INLET, 3/4" THREADED HOSE CONNECTION, LOOSE KEY HANDLE, HYDRANT LENGTH AS REQUIRED FOR INSTALLED WALL THICKNESS, ADJUSTABLE WALL CLAMP, BRASS BOX WITH SATIN NICKEL PLATED FINISH AND INTEGRAL ASSE 1052 DOUBLE CHECK VACUUM BREAKER. |
| RPZ1 | REDUCED PRESSURE ZONE BACKFLOW PREVENTER: WATTS # 957-NRS, MEETING ASSE 1013, 304 STAINLESS STEEL BODY AND SLEEVE, QUARTER TURN TEST COCKS, RESILIENT SEATED NON-RISING STEM GATE VALVES AND WATTS #77F-DI-FDA EPOXY COATED CAST IRON STRAINER AND # 957AG AIR GAP FITTING. HAND SINK (ADA ACCESSIBLE): HAND SINK ADA ACCESSIBLE): ELKAY # |
| 361 | #CHS-1716, 16-3/4"" X 15-1/2" RÉCTANGULAR, WALL MOUNTED, 18 GAUGE TYPE 304 STAINLESS STEEL, BACKSPLASH AND SIDE BRACKETS AND WALL MOUNTING BRACKET. FAUCET: CHICAGO FAUCET # 631-218017AB 8" BACK MOUNT FAUCET WITH 7 ¼" – 8 ¾" ADJUSTABLE "G" SUPPLY ARMS, VANDAL RESISTANT #317 WRISTBLADE HANDLES, GN2A GOOSENECK SPOUT, # E61VP .5 GPM VANDAL RESISTANT LAMINAR FLOW AERATOR, QUARTER TURN CERAMIC CARTRIDGES. |
| | TRIM: McGUIRE # "PRODRAIN2" GRID DRAIN WITH 1-1/2" 17 GUAGE TAILPIECE, McGUIRE # LF2165CCLK LEAD FREE BRASS LOOSE KEY COMPRESSION ANGLE STOP VALVES WITH RISERS AND ESCUTCHEONS, McGUIRE # B8912CF 1-1/2" 17 GAUGE CAST CHROME PLATED BRASS ADJUSTABLE P-TRAP AND WASTE ARM WITH CLEANOUT PLUG AND ESCUTCHEON, WALL BRACKET, PROVIDE BACKBOARD AND SECURE FIXTURE TO IT, AND PLUMBEREX "PRO-EXTREME"# X-4222 INSULATION KIT FOR WATER AND WASTE PIPES. THERMOSTATIC MIXING VALVE: POWERS # LFG480, SOLID LEAD FREE BRASS OR BRONZE BODY, THERMOSTATIC WAX ELEMENT, CORROSION RESISTANT INTERNAL PARTS, AND INTEGRAL CHECKS, ASSE 1070 COMPLIANT, CAPABLE OF 1.6 GPM WITH A 20 PSI DIFFERENTIAL AND A MINIMUM FLOW RATE OF 0.25 GPM. SET TEMPERATURE TO 110F FOR DUAL TEMPERATURE LAVATORIES AND HAND SINKS, |
| SK2 | 100F FOR SINGLE TEMPERATURE LAVATORIES AND HAND SINKS AND 120F FOR SINKS. MOUNT BELOW THE PLUMBING FIXTURE. SINK: ELKAY # WNSF-8345-LR, THREE 15" x 24" x 14" DEEP COMPARTMENTS, LEFT AND RIGHT DRAINBOARDS, 8" HIGH BACKSPLASH, 14 GAUGE TYPE 304 STAINLESS STEEL, AND 16 GAUGE STAINLESS STEEL ADJUSTABLE LEGS. FAUCET: CHICAGO FAUCET #445-206578AB 3 3/8" BACK MOUNT FAUCET WITH 3" – 3 3/8" ADJUSTABLE "R" ARMS WITH INTEGRAL SHUT OFF, VANDAL RESISTANT # 369 LEVER HANDLES, L9 SWING SPOUT, # E1 FULL FLOW OUTLET, QUARTER TURN CERAMIC CARTRIDGES. |
| | TRIM: (3) ELKAY # LK24RT GRID STRAINERS WITH LEVER HANDLE AND 1-1/2" TAILPIECE, AND 1-1/2" HARD COPPER TYPE "DWV" FABRICATED INDIRECT WASTE LINE ROUTED TO FLOOR SINK. |
| Т | TRANSFORMER: SLOAN # EL-154 120 VAC / 24 VAC, 50 VA. REFER TO ELECTRICAL DRAWINGS FOR WIRING OF TRANSFORMER. |
| UR1 | TIME SWITCH: INTERMATIC #ET1705CSPST, 7 DAY, ONE CIRCUIT-SINGLE POLE SINGLE THROW, ELECTRONIC TIME SWITCH OR EQUAL BY TORK. TIME SWITCH SHALL BE MOTOR RATED (1 H.P. @ 120 VOLT, SINGLE PHASE), MINIMUM OF 20 SET POINTS (14 ON/OFF CYCLES) AND BATTERY BACK UP. COORDINATE WITH DIVISION 16 FOR INSTALLATION AND INTERLOCK OF TIME SWITCH IN SERIES WITH THE AQUASTAT AND RECIRCULATION PUMP. URINAL: AMERICAN STANDARD # 6561.017 "TRIMBROOK" WHITE VITREOUS CHINA |
| UIXI | FIXTURE WITH FLUSHING RIM, 3/4" TOP SPUD, AND SIPHON FLUSH ACTION. VALVE- SLOAN "OPTIMA – SLOAN MODEL" # 186 ES-S TMO 1.0 GALLON PER FLUSH, EXPOSED, CHROME-PLATED, HARD WIRED, WALL MOUNTED SENSOR OPERATED, DIAPHRAGM TYPE, FLUSH VALVE LESS TRANSFORMER WITH CHLORAMINE RESISTANT DIAPHRAGM AND PROTECTED ORIFICE, MECHANICAL OVERRIDE BUTTON, ESCUTCHEON, INTEGRAL SCREWDRIVER STOP, VACUUM BREAKER, 3/4" FLUSH TUBE, AND SWEAT ADAPTER KIT. TRIM: SUITABLE CARRIER WITH STANCHIONS TO FLOOR. |
| UR2 | URINAL (ADA ACCESSIBLE): AMERICAN STANDARD # 6561.017 "TRIMBROOK" WHITE VITREOUS CHINA FIXTURE WITH FLUSHING RIM, 3/4" TOP SPUD, AND SIPHON FLUSH ACTION. VALVE- SLOAN "OPTIMA – SLOAN MODEL" # 186 ES-S TMO 1.0 GALLON PER FLUSH, EXPOSED, CHROME-PLATED, HARD WIRED, WALL MOUNTED SENSOR OPERATED, DIAPHRAGM TYPE, FLUSH VALVE LESS TRANSFORMER WITH CHLORAMINE RESISTANT DIAPHRAGM AND PROTECTED ORIFICE, MECHANICAL OVERRIDE BUTTON, ESCUTCHEON, INTEGRAL SCREWDRIVER STOP, VACUUM BREAKER, 3/4" FLUSH TUBE, AND SWEAT ADAPTER KIT. TRIM: SUITABLE CARRIER WITH STANCHIONS TO FLOOR. |
| WC1 | WALL-MOUNTED WATER CLOSET: AMERICAN STANDARD # 3351.101 "AFWALL MILLENNIUM FLOWISE" WHITE VITREOUS CHINA FIXTURE WITH ELONGATED UNIVERSAL BOWL AND DIRECT-FED SIPHON JET ACTION. VALVE- SLOAN "OPTIMA – SLOAN MODEL" # 111-1.6 ES-S TMO 1.6 GALLON PER FLUSH, EXPOSED, CHROME-PLATED, HARD WIRED, SENSOR OPERATED, DIAPHRAGM TYPE, FLUSH VALVE LESS TRANSFORMER WITH CHLORAMINE RESISTANT DIAPHRAGM AND PROTECTED ORIFICE, MANUAL OVERRIDE, ESCUTCHEON, INTEGRAL SCREWDRIVER STOP, VACUUM BREAKER, AND SWEAT ADAPTER KIT. TRIM- CHURCH # 9500SSCT WHITE OPEN-FRONT CONTOURED, SOLID PLASTIC, HEAVY DUTY, SEAT LESS COVER WITH SELF-SUSTAINING CHECK HINGES AND STAINLESS STEEL BOLTS. PROVIDE SUITABLE FIXTURE CARRIER. |
| WC2 | WALL-MOUNTED WATER CLOSET (ADA ACCESSIBLE): AMERICAN STANDARD # 3351.101 "AFWALL MILLENNIUM FLOWISE WHITE VITREOUS CHINA FIXTURE WITH ELONGATED UNIVERSAL BOWL AND DIRECT-FED SIPHON JET ACTION. VALVE- SLOAN "OPTIMA – SLOAN MODEL" # 111-1.6 ES-S TMO 1.6 GALLON PER FLUSH, EXPOSED, CHROME-PLATED, HARD WIRED, SENSOR OPERATED, DIAPHRAGM TYPE, FLUSH VALVE LESS TRANSFORMER WITH CHLORAMINE RESISTANT DIAPHRAGM AND PROTECTED ORIFICE, MANUAL OVERRIDE, ESCUTCHEON, INTEGRAL SCREWDRIVER STOP, VACUUM BREAKER, AND SWEAT ADAPTER KIT. INSTALL FLUSH VALVE HANDLE ON THE WIDE SIDE OF THE STALL. TRIM- CHURCH # 9500SSCT WHITE OPEN-FRONT CONTOURED, SOLID PLASTIC, HEAVY DUTY, SEAT LESS COVER WITH SELF-SUSTAINING CHECK HINGES AND STAINLESS STEEL BOLTS. PROVIDE SUITABLE FIXTURE CARRIER. |
| WCO | WALL CLEANOUT: JAY R. SMITH # 4530S, CAST IRON CLEANOUT TEE, COUNTER SUNK PLUG, STAINLESS STEEL ROUND COVER AND SCREW, AND IRON PLUG WITH GASKET SEAL. REFER TO SPECIFICATIONS FOR INSTALLATION. |
| WHA | WATER HAMMER ARRESTER: PRECISION PLUMBING PRODUCTS, HARD DRAWN COPPER BODY WITH WROUGHT COPPER FITTINGS, PISTON TYPE WITH LUBRICATED EPDM "O" RING SEALS, MEETING ASSE 1010 OR PDI WH-201. PROVIDE PDI SIZES "A" THROUGH "F" AS SHOWN ON PLANS. PROVIDE SIZE "A" UNLESS SHOWN OTHERWISE ON THE PLANS. |



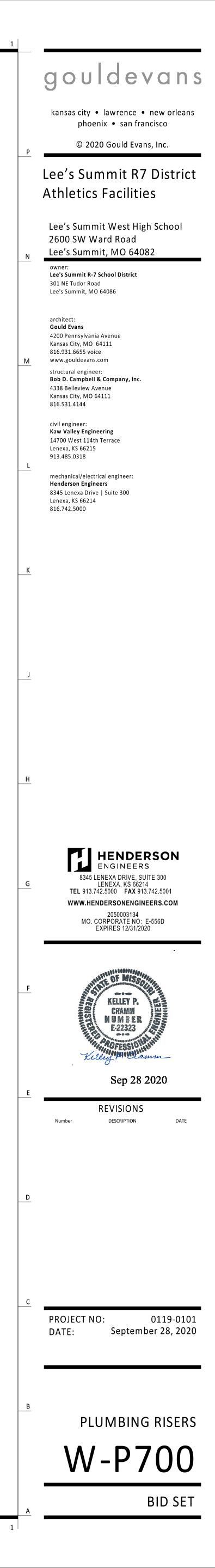


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1 PLUMBING RESTROOM WASTE AND VENT RISER NTS





| STANDARD MOUNTING HEI | AND NOT ALL SYMBOLS OR ABBE | HVAC DUCTWORK AND ACCESSORIES | PIPING SYMBOLS | PIPING LINETYPES | |
|---|---|---|---|--|--|
| THERMOSTATS (USER ADJUSTABL CONTROLS (TOP OF DEVICE) | E)(TOP OF DEVICE) 48" 48" | LINEAR SLOT DIFFUSER | | | |
| х, , , , , , , , , , , , , , , , , , , | | INSULATED FLEXIBLE DUCT (MAX. 5'-0" LONG) | CONTROL VALVE | ACD AUXILIARY CONDENSATE DRAIN (ACD) | |
| CONSTRUCTION DOCUMENTS. MO ELSEWHERE IN THE CONSTRUCTIO | G HEIGHTS SHOWN ABOVE UNO IN THE JNTING HEIGHTS LISTED ABOVE OR N DOCUMENTS ARE AFF OR AFG TO | BRANCH DUCT WITH 45° RECTANGLE-ROUND BRANCH FITTING AND MANUAL VOLUME DAMPER | | —————————————————————————————————————— | |
| BOTTOM OF DEVICE UNO. ALL DEV COMPLIANCE WITH CURRENT ADA | | ELBOW WITH TURNING VANES | CHECK VALVE BALANCING VALVE WITH PRESSURE PORTS | — — G — — NATURAL GAS ON ROOF (G) — MPG — MEDIUM PRESSURE NATURAL GAS (MPG) — — MPG — MEDIUM PRESSURE NATURAL GAS ON ROOF | |
| ANNOTATION (1) MECHANICAL PLAN N | DTE CALLOUT | BRANCH DUCT WITH BELL-MOUTH FITTING & | | | |
| | ENT DESIGNATION (CONTRACTOR | MANUAL VOLUME CONTROL DAMPER | STRAINERSTRAINER WITH BLOWDOWN VALVE | FOS FUEL OIL SUPPLY (FOS) | |
| | ALLED UNLESS NOTED OTHERWISE) | RETURN, EXHAUST, OR OUTSIDE AIR DUCT UP | | FOV FUEL OIL VENT (FOV) | |
| | OF NEW WORK TO EXISTING | RETURN, EXHAUST, OR OUTSIDE AIR DUCT DOWN | SOLENOID VALVE | LIQUEFIED PETROLEUM GAS (LPG) BOILER FEED WATER (BFW) | |
| | JPPER NUMBER INDICATES DETAIL IBER INDICATES SHEET NUMBER | | | HPS HIGH PRESSURE STEAM SUPPLY (HPS) | |
| M1 SECTION CUT DESIGN | ATION | | THERMOSTATIC MIXING VALVE PA PIPE ANCHOR | — — HPC— — HIGH PRESSURE STEAM CONDENSATE (HP ——LPS—— LOW PRESSURE STEAM SUPPLY (LPS) | |
| ABBREVIATIONS | | | | — —LPC— — LOW PRESSURE STEAM CONDENSATE (LPC | |
| A/C AIR CONDITIONING ACC AIR COOLED CHILLER ACCU AIR COOLED CONDENSIN | HWP HEATING WATER PUMP IN WC INCHES OF WATER COLUMN | 10" (NECK SIZE) CSD-1 (TYPE) 300 CFM (CFM OF SUPPLY DIFFUSER OR REGISTER) | PIPE GUIDE PIPING SUPPORT | PD CONDENSATE PUMP DISCHARGE (PD) HEATING HOT WATER SUPPLY (HWS) | |
| UNIT AFC ABOVE FINISHED CEILING AFF ABOVE FINISHED FLOOR | L LOUVER LAT LEAVING AIR TEMPERATURE | | F & T TRAP | | |
| AFG ABOVE FINISHED GRADE AHJ AUTHORITY HAVING JURISDICTION | LDB LEAVING DRY BULB LP LOW PRESSURE LWB LEAVING WET BULB | 24x24 (NECK SIZE) CEG-1 (TYPE) 800 CFM (CFM OF EXHAUST GRILLE) | BUCKET TRAP | CHWS CHILLED WATER SUPPLY (CHWS) CHUR CHILLED WATER RETURN (CHR) | |
| AHU AIR HANDLING UNIT AI ANALOG INPUT AO ANALOG OUTPUT | LWT LEAVING WATER TEMPERATURE MAU MAKE-UP AIR UNIT | MANUAL VOLUME DAMPER | BACKFLOW PREVENTER | HCS HOT / CHILLED WATER SUPPLY (HCS) | |
| AP ACCESS PANEL APD AIR PRESSURE DROP AWG AMERICAN WIRE GAUGE | MAX MAXIMUM MBH 1000 BTU PER HOUR MD MOTORIZED DAMPER | SQUARE TO ROUND TRANSITION | ♀ PRESSURE GAUGE ■ THERMOMETER | — HCR HOT / CHILLED WATER SUPPLY (HCR) CONDENSER WATER SUPPLY (CWS) | |
| AWG AMERICAN WIRE GAUGE B BOILER BAS BUILDING AUTOMATION SYSTEM | MFR MANUFACTURER MIN MINIMUM N/A NOT APPLICABLE | RD DUCT MOUNTED SMOKE DETECTOR | PRESSURE AND TEMPERATURE TEST PLUG | CWS CONDENSER WATER SUPPLY (CWS) | |
| BB BACKBONE BD BACKDRAFT DAMPER BD BLOWDOWN | N/A NOT APPLICABLE N/C NORMALLY CLOSED N/O NORMALLY OPEN NOM NOMINAL | (SD=SUPPLY/RD=RETURN) XX" Ø ROUND DUCT TAG INDICATING DIAMETER | UNION FLANGE CONNECTION | HPWS HEAT PUMP WATER SUPPLY (HPWS) | |
| BD BLOWDOWN BFC BELOW FINISHED CEILING BFF BELOW FINISHED FLOOR BFG BELOW FINISHED GRADE | | XX" X XX" RECTANGULAR DUCT TAG INDICATING INTERNAL DUCT DIMENSIONS. | | HPWR HEAT PUMP WATER RETURN (HPWR) REFRIGERANT LIQUID (RL) | |
| BFGBELOW FINISHED GRADEBFPBOILER FEED PUMPBHPBRAKE HORSEPOWERBIBINARY INPUT | OA OUTSIDE AIR PICV PRESSURE INDEP. CONTROL VALVE | XX' / XX" FLAT OVAL DUCT TAG INDICATING INTERNAL DUCT DIMENSIONS | □ □ □ AUTOMATIC AIR VENT □ ↓ MV MANUAL AIR VENT | REFRIGERANT DISCHARGE (HOT GAS) (RD) | |
| BOBINARY OUTPUTBODBOTTOM OF DUCT | PROVIDE FURNISH AND INSTALL QTY QUANTITY | RISER DESIGNATION | | REFRIGERANT SUCTION (RS) | |
| BOS BOTTOM OF STRUCTURE BTU BRITISH THERMAL UNIT CFM CUBIC FEET PER MINUTE | RA RETURN AIR RC ROOM CRITERIA RD RETURN DUCT REA RELIEF AIR | FD FIRE DAMPER | CLEANOUT CAP | | |
| CH CHILLER CLG COOLING CP CONDENSATE PUMP CPT CONTROL POWER | RF RETURN FAN RFR REFRIGERANT RH RELATIVE HUMIDITY | FSD FIRE SMOKE DAMPER | ELBOW UP | | |
| TRANSFORMER CRAC COMPUTER ROOM AIR | RHROOF HOODRPMREVOLUTIONS PER MINUTERTUROOFTOP UNIT | SD SMOKE DAMPER | ELBOW DOWN | | |
| CONDITIONING UNIT CRU COMPUTER ROOM UNIT CT COOLING TOWER | SA SUPPLY AIR SCP STEAM CONDENSATE PUMP | | TEE DOWN | | |
| CV CONTROL VALVE CWP CONDENSER WATER PUMP | SD SMOKE DUCT DETECTOR SD SUPPLY DUCT SF SUPPLY FAN SH SENSIBLE HEAT CAPACITY | MD MOTORIZED DAMPER | ELBOW UP WITH SHUT-OFF VALVE (SOV) | | |
| CU CONDENSING UNIT CHWP CHILLED WATER PUMP DB DECIBELS | SOW SCOPE OF WORK SP STATIC PRESSURE | BD BACKDRAFT DAMPER | TEE UP WITH SHUT-OFF VALVE (SOV) | | |
| DBA DECIBEL AVERAGE DDC DIRECT DIGITAL CONTRO DI DIGITAL INPUT | TBD TO BE DETERMINED | ALL DUCT DIMENSIONS SHOWN ON DRAWINGS ARE INSIDE DIMENSIONS. | TEE DOWN WITH SHUT-OFF VALVE (SOV) | | |
| DISC DISCONNECT DN DOWN DS DUCT SILENCER DX DIRECT EXPANSION | TC/C TEMPERATURE CONTROLS CONTRACTOR TCP TEMPERATURE CONTROL PANEL | REFER TO DUCTWORK SPECIFICATIONS FOR DUCTWORK INSULATION AND LINER INFORMATION. | | | |
| DX DIRECT EXPANSION (E) EXISTING EA EXHAUST AIR EAT ENTERING | TF TRANSFER FAN TFA TO FLOOR ABOVE TFB TO FLOOR BELOW | HVAC CONTROL DEVICES HUMIDISTAT | ∞ P-TRAP GAS COCK | | |
| AIR TEMPERATURE ED EXHAUST DUCT EDB ENTERING DRY BULB | TH TOTAL HEAT CAPACITY TSP TOTAL STATIC PRESSURE TT TEMPERATURE | | TOP BEAM CLAMP | | |
| EF EXHAUST FAN EFF EFFICIENCY EMS ENERGY MANAGEMENT | TRANSMITTAL TYP TYPICAL U/F UNDERFLOOR | SPSTATIC PRESSURE SENSORTSTEMPERATURE SENSOR | TRAPEZE HANGER | LINETYPE LEGEND | |
| ENERGY MANAGEMENT SYSTEM ESP EXTERNAL STATIC PRESSURE | U/G UNDERGROUND U/S UNDERSLAB UH UNIT HEATER | CO CARBON MONOXIDE SENSOR | | THROUGHOUT THE DRAWINGS DIFFERENT LINETYPES ARE USED IN COMBINATION WITH THE SYMBOLS TO INDICATE THE STATUS OF IT EXISTING, TO BE DEMOLISHED, TO BE INCLUDED AS PART OF NEW V | |
| ETR EXISTING TO REMAIN EWB ENTERING WET BULB EWT ENTERING WATER | UNO UNLESS NOTED OTHERWISE VAV VARIABLE AIR VOLUME VEL VELOCITY | CO2CARBON DIOXIDE SENSORDPDIFFERENTIAL PRESSURE SENSOR | | AND/OR ITEMS WHICH ARE ANTICIPATED TO BE PROVIDED IN THE F THE STATUS OF ITEMS USING THESE LINETYPES ARE RELATIVE TO VIEW IN WHICH THEY APPEAR. PHASING SHOWN IN DRAWINGS IS N | |
| TEMPERATURE FCU FAN COIL UNIT FFA FROM FLOOR ABOVE | VFD VARIABLE FREQUENCY DRIVE VRF VARIABLE REFRIGERANT | FS FLOW SWITCH | | INTENDED TO FULLY DESCRIBE ALL NECESSARY CONSTRUCTION P WHICH IS DETERMINED BY THE CONTRACTOR AS PART OF THEIR RESPONSIBILITIES. ANY SUCH PHASES DESCRIBED IN THE CONSTR | |
| FFB FROM FLOOR BELOW FF FINISHED FLOOR FPI FINS PER INCH | VRV VARIABLE REFRIGERANT VRV VARIABLE REFRIGERANT VOLUME | HS HUMIDITY SENSOR PS PULL STATION | | DOCUMENTS ARE GENERAL AND ONLY INTENDED TO INDICATE A BE ORDER FOR THE SAKE OF DESCRIBING THE PROJECT. THE FOLLOW LINETYPES MAY BE USED ON ANY DEVICE, EQUIPMENT, NOTE, LINE | |
| FPM FEET PER MINUTE GC GENERAL CONTRACTOR GPM GALLONS PER MINUTE | W/ WITH W/O WITHOUT WB WET BULB | RT REMOTE TESTING STATION WITH INDICATING LIGHT | | ETC. | |
| HOA HAND-OFF-AUTOMATIC HP HORSEPOWER HTG HEATING | WC WATER COLUMN WPD WATER PRESSURE DROP XP EXPLOSION PROOF | SPSTATIC PRESSURETSTEMPERATURE SENSOR | | | |
| HIG HEATING | AF EXPLOSION FROOF | | | DEMOLISH — — — — FUTURE | |

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- GENERAL NEW NOTES:
- 1. PRIOR TO SUBMITTING BID, VISIT THE JOB SITE AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS OF THE PROJECT. REVIEW THE GENERAL NOTES, SPECIFICATIONS AND OTHER DRAWINGS FOR ADDITIONAL REQUIREMENTS WHICH MAY NOT BE SPECIFICALLY CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS. NOTIFY ARCHITECT. ENGINEER AND/OR OWNER OF CONFLICTS OR DISCREPANCIES PRIOR TO SUBMISSION OF BID.
- 2. EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND SITE VISITS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. FIELD VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. COORDINATE NEW WORK AND DEMOLITION WITH OTHER DISCIPLINES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- 3. COORDINATE THE INSTALLATION OF THE MECHANICAL SYSTEMS WITH OTHER TRADES TO ENSURE A NEAT AND ORDERLY INSTALLATION. INSTALL DUCTWORK AND PIPING AS TIGHT TO STRUCTURE AS POSSIBLE. COORDINATE WITH OTHER TRADES TO AVOID CONFLICTS. COORDINATE INSTALLATION OF DUCTWORK AND PIPING TO AVOID CONFLICTS WITH ELECTRICAL PANELS, LIGHTING FIXTURES, ETC. ANY MODIFICATIONS REQUIRED DUE TO LACK OF COORDINATION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO EXTRA COST TO THE OWNER.
- 4. WHERE SHUTDOWN OF EXISTING SYSTEMS IS REQUIRED DURING NEW WORK, COORDINATE SHUTDOWN TIME AND DURATION WITH THE OWNER TO MINIMIZE DOWNTIME. NOTIFY OWNER SEVEN (7) DAYS PRIOR TO INTERRUPTION OF SERVICE.
- 5. DURING INSTALLATION OF NEW WORK, AVOID DAMAGING EXISTING SURFACES AND EQUIPMENT TO REMAIN. REPAIR DAMAGE CAUSED DURING CONSTRUCTION AT NO EXTRA COST TO THE OWNER.
- 6. PROVIDE TEMPORARY BARRIERS TO CONTAIN DUST AND DEBRIS RESULTING FROM THE PERFORMANCE OF THE WORK TO THE AREA WHERE WORK IS BEING PERFORMED.
- 7. ALL MECHANICAL EQUIPMENT SHOWN ON THE MECHANICAL PLANS SHALL BE PROVIDED BY DIVISION 23 UNLESS OTHERWISE NOTED. 8. NEW MECHANICAL EQUIPMENT, DUCTWORK AND PIPING ARE
- SHOWN AT APPROXIMATE LOCATIONS. FIELD MEASURE FINAL DUCTWORK AND PIPING LOCATIONS PRIOR TO FABRICATION AND MAKE ADJUSTMENTS AS REQUIRED TO FIT THE DUCTWORK AND PIPING WITHIN THE AVAILABLE SPACE. VERIFY THAT FINAL EQUIPMENT LOCATIONS MEET MANUFACTURER'S RECOMMENDATIONS REGARDING SERVICE CLEARANCE AND PROPER AIRFLOW CLEARANCE AROUND EQUIPMENT.
- 9. REFER TO ARCHITECTURAL DRAWINGS FOR RELATED CONSTRUCTION DETAILS AS APPLICABLE TO THE HVAC SYSTEM. VERIFY CHASES AND PENETRATIONS SHOWN ON ARCHITECTURAL DRAWINGS THAT ARE INTENDED FOR DUCTWORK AND PIPING MEET REQUIREMENTS.
- 10. INDOOR AIR QUALITY MEASURES: PROTECT INSIDE OF (INSTALLED AND DELIVERED) DUCTWORK AND HVAC UNITS FROM EXPOSURE TO DUST, DIRT, PAINT AND MOISTURE. REPLACE INSULATION THAT HAS BECOME WET AT ANY TIME DURING CONSTRUCTION, DRYING THE INSULATION IS NOT ACCEPTABLE. SEAL ANY TEARS OR JOINTS OF INTERNAL FIBERGLASS INSULATION. REMOVE DEBRIS FROM CEILING/RETURN AIR PLENUM INCLUDING DUST. AN INDEPENDENT, PROFESSIONAL DUCT CLEANING COMPANY SHALL VACUUM CLEAN ANY DUCTWORK CONNECTED TO HVAC UNITS THAT WERE OPERATED DURING THE CONSTRUCTION PERIOD AFTER NEW FILTERS ARE INSTALLED AND PRIOR TO TURNING SYSTEM OVER TO THE OWNER. THE INTERNAL SURFACES AND ASSOCIATED COILS OF ANY HVAC UNITS THAT
- 11. INSTALL DUCTWORK AND PIPING PARALLEL TO BUILDING COLUMN LINES UNLESS OTHERWISE SHOWN OR NOTED.

WERE OPERATED SHALL ALSO BE CLEANED.

- 12. OVERHEAD HANGERS AND SUPPORTS FOR EQUIPMENT, DUCTWORK AND PIPING SHALL BE FASTENED TO BUILDING JOISTS OR BEAMS. DO NOT ATTACH HANGERS AND SUPPORTS TO THE ABOVE FLOOR SLAB OR ROOF EXCEPT WHERE CONCRETE INSERTS IN CONCRETE SLABS ARE ALLOWED BY THE SPECIFICATIONS.
- 13. COORDINATE LOCATION OF EQUIPMENT SUPPORTS WITH LOCATION OF EQUIPMENT ACCESS PANELS/DOORS TO ENABLE SERVICE OF EQUIPMENT AND/OR FILTER REPLACEMENT.
- 14. SEAL PENETRATIONS THROUGH THE BUILDING COMPONENTS IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS. FIREPROOF PENETRATIONS THROUGH FIRE RATED COMPONENTS IN ACCORDANCE WITH U.L. REQUIREMENTS
- 15. COORDINATE THE EXACT MOUNTING SIZE AND FRAME TYPE OF DIFFUSERS, REGISTERS AND GRILLES WITH THE SUPPLIER TO MEET THE CEILING, WALL AND DUCT INSTALLATION REQUIREMENTS.
- 16. ADJUST LOCATION OF CEILING DIFFUSERS, REGISTERS AND GRILLES AS REQUIRED TO ACCOMMODATE FINAL CEILING GRID AND LIGHTING LOCATIONS. 17. PAINT PORTIONS OF DUCTWORK AND INSULATION THAT ARE EXPOSED TO VIEW BY THE INSTALLATION OF DIFFUSERS,
- REGISTERS, AND GRILLES IN CEILINGS OR WALLS FLAT BLACK. PORTIONS INCLUDE BOTH THE INTERIOR OF UNLINED DUCTWORK AND THE EXTERIOR OF DUCTWORK AND INSULATION. 18. DUCTWORK CROSSING FIRE RATED WALLS OR OTHER FIRE
- RATED ASSEMBLIES SHALL BE MINIMUM 26 GAUGE SHEET METAL. 19. LOCATE AND SET THERMOSTATS AND HUMIDISTATS AT
- LOCATIONS SHOWN ON PLANS. VERIFY EXACT LOCATIONS WITH ARCHITECT PRIOR TO INSTALLATION. INSTALL DEVICES WITH TOP OF DEVICE AT MAXIMUM 48" AFF TO MEET ADA REQUIREMENTS UNLESS NOTED OTHERWISE ON PLANS. PROVIDE INSULATED BACKING FOR THERMOSTATS MOUNTED ON EXTERIOR BUILDING WALLS. INSTALL WIRING IN CONDUIT PROVIDED BY DIVISION 26. AT A MINIMUM, PROVIDE CONDUIT IN THE WALL FROM THE JUNCTION BOX TO 6" ABOVE THE CEILING.
- 20. COORDINATE THE LOCATION AND ELEVATION OF WALL-MOUNTED DEVICES WITH PRESENTATION BOARDS, DISPLAY CABINETS, SHELVES OR OTHER COMPONENTS SHOWN ON THE ARCHITECTURAL DRAWINGS THAT ARE TO BE INSTALLED UNDER OTHER DIVISIONS. CONTRACTOR WILL NOT BE REIMBURSED FOR RELOCATION OF WALL-MOUNTED DEVICES CAUSED BY A LACK OF COORDINATION.
- 21. PROVIDE A MANUAL BALANCING DAMPER IN EACH DUCT TAKEOFF FROM SUPPLY, RETURN, OUTDOOR AND EXHAUST AIR DUCTS.

22. PROVIDE A PREFABRICATED 45 DEGREE, HIGH EFFICIENCY, RECTANGULAR/ROUND BRANCH DUCT TAKEOFF FITTING FOR BRANCH DUCT CONNECTIONS AND TAKE-OFFS TO INDIVIDUAL DIFFUSERS, REGISTERS AND GRILLES, PROVIDE WITH INTEGRAL MANUAL BALANCING DAMPER AND LOCKING QUADRANT WHERE INDICATED ON PLANS.

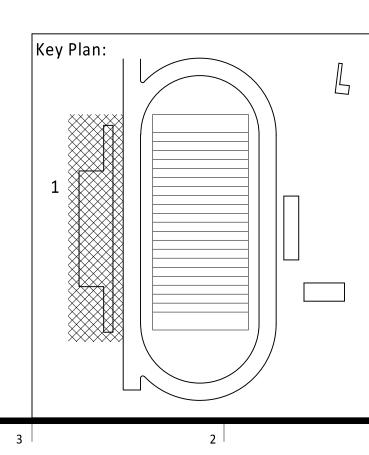
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- 23. BRANCH DUCTWORK TO AIR OUTLETS SHALL BE SAME SIZE AS OUTLET NECK SIZE UNLESS OTHERWISE NOTED.
- 24. REFER TO SPECIFICATIONS FOR DUCTWORK AND PIPING INSULATION REQUIREMENTS. DUCT SIZES ON MECHANICAL PLANS INDICATE CLEAR INSIDE AIRFLOW DIMENSIONS, INCREASE SHEET METAL SIZES ACCORDINGLY TO ACCOUNT FOR THICKNESS OF DUCT LINER.
- 25. RIGIDLY SUSPEND UNIT HEATER FROM STRUCTURE WITH SUPPORTING ANGLES AND ALL-THREAD HANGING RODS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. 26. PROVIDE WALL MOUNTED LOUVERS AND DAMPERS WITH
- SUITABLE MOUNTING FRAME TO MATCH WALL CONSTRUCTION. COORDINATE WITH ARCHITECTURAL DRAWINGS. 27. PROVIDE A NEW SET OF AIR FILTERS IN UNITS PRIOR TO TESTING, ADJUSTING AND BALANCING AND BEFORE TURNING

SYSTEM(S) OVER TO OWNER.

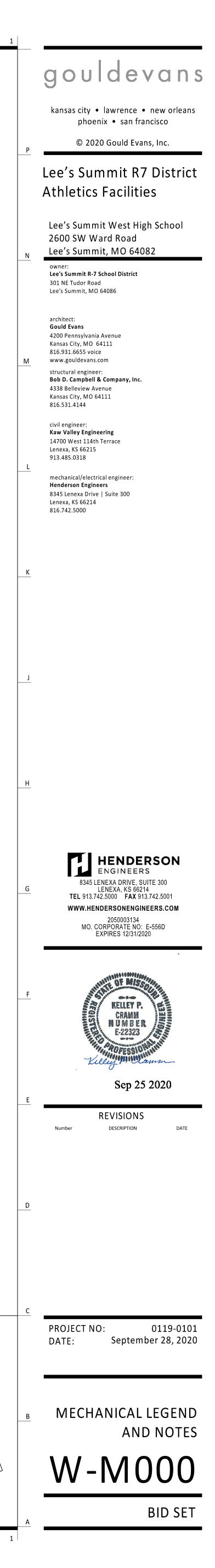
- 28. FIELD VERIFY THAT THE EXISTING EQUIPMENT INCLUDING ACCESSORIES BEING REUSED FOR THIS PROJECT IS NOT DAMAGED AND IS IN GOOD WORKING ORDER. REPORT ANY DEFICIENCIES TO THE OWNER OR ARCHITECT. SUBMIT TO THE OWNER AND ARCHITECT A WRITTEN REPORT DESCRIBING TESTS PERFORMED TO VERIFY OPERATION AND RESULTS OF THE TESTS.
- 29. CLEAN EXISTING EQUIPMENT AND EQUIPMENT COMPONENTS BEING REUSED FOR THIS PROJECT. PROVIDE NEW FILTERS FOR EXISTING AIR HANDLING EQUIPMENT PRIOR TO STARTUP OF EQUIPMENT. NEW FILTERS SHALL BE COMPATIBLE WITH THE EXISTING EQUIPMENT AND EQUAL IN PERFORMANCE TO THE EXISTING FILTERS AT NEW CONDITION UNLESS OTHERWISE NOTED. CLEAN STRAINERS IN PIPING SYSTEMS PRIOR TO STARTING PUMPS.
- 30. CLEAN THE EXTERIOR OF EXISTING COILS TO BE REUSED FOR THIS PROJECT. VACUUM BRUSH THE COIL IN THE DIRECTION OF THE FINS AND CLEAN THE COILS WITH COIL CLEANING FLUID. COMB ANY FINS BENT TO PROVIDE A STRAIGHT SURFACE FOR AIRFLOW.
- 31. LUBRICATE EXISTING EQUIPMENT BEING REUSED FOR THIS PROJECT IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. OBTAIN INSTRUCTIONS FROM MANUFACTURER IF THEY ARE NOT AVAILABLE AT THE SITE.

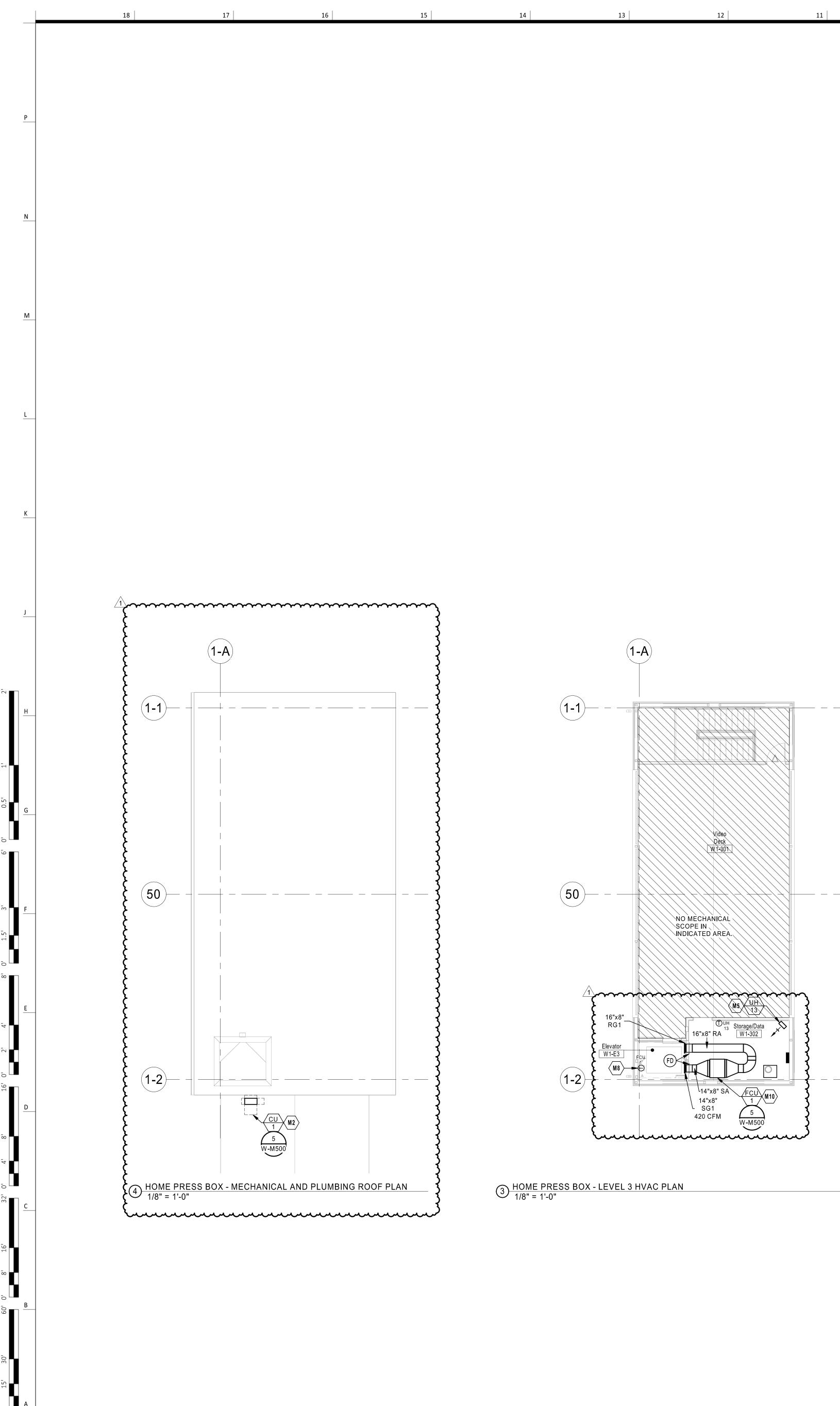
| Sh | neet List - Mechanical |
|----------------|--|
| Sheet Number | Sheet Name |
| | |
| W-M000 | MECHANICAL LEGEND AND NOTES |
| W-M111 | HOME PRESS BOX - HVAC PLAN |
| W-M121 | VISITOR RESTROOMS & CONCESSIONS - HVAC PLANS |
| W-M131 | TICKET BOOTH - HVAC PLANS |
| W-M500 | MECHANICAL DETAILS |
| W-M600 | MECHANICAL SCHEDULES & CONTROLS |
| Grand total: 6 | • |



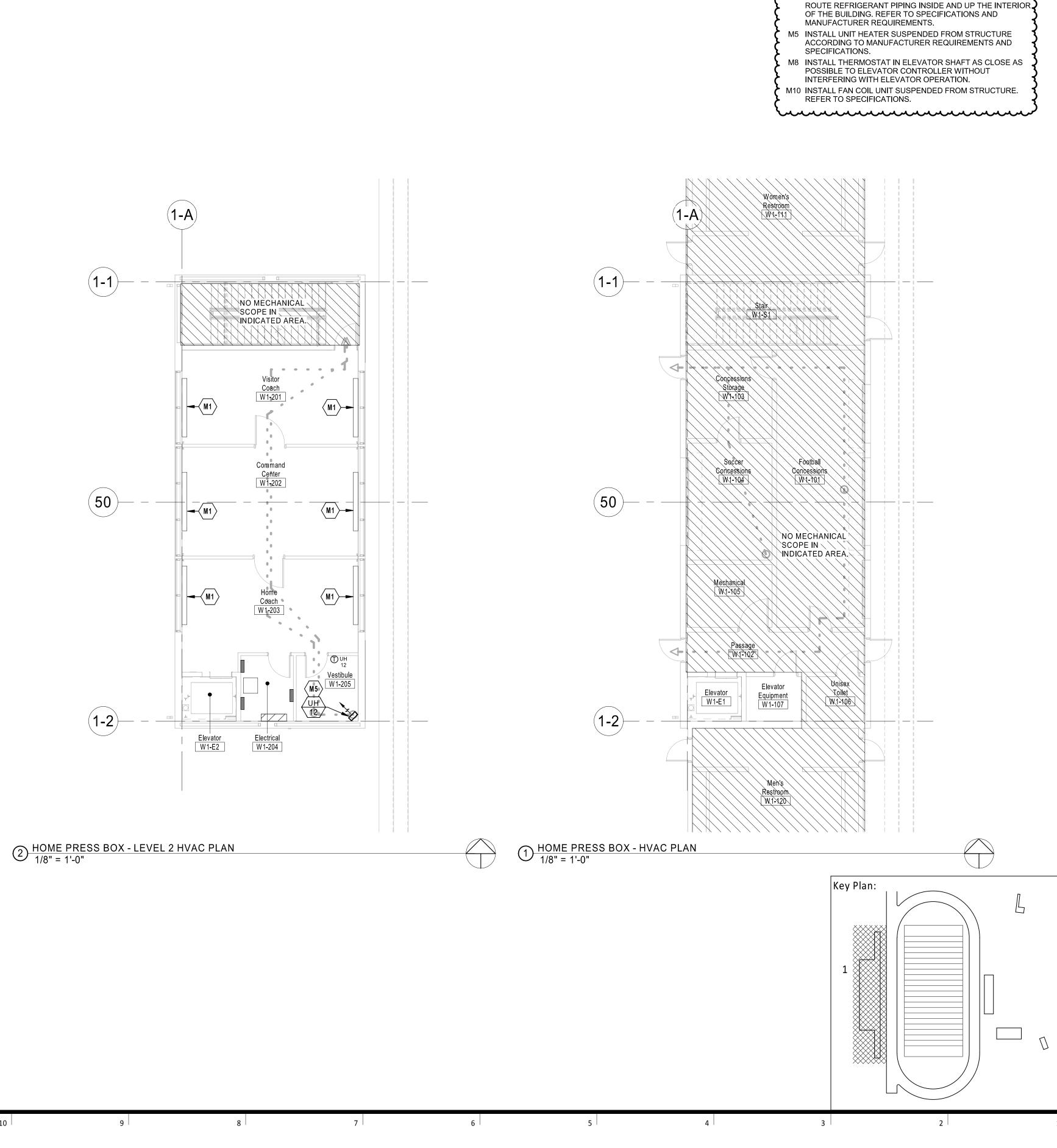
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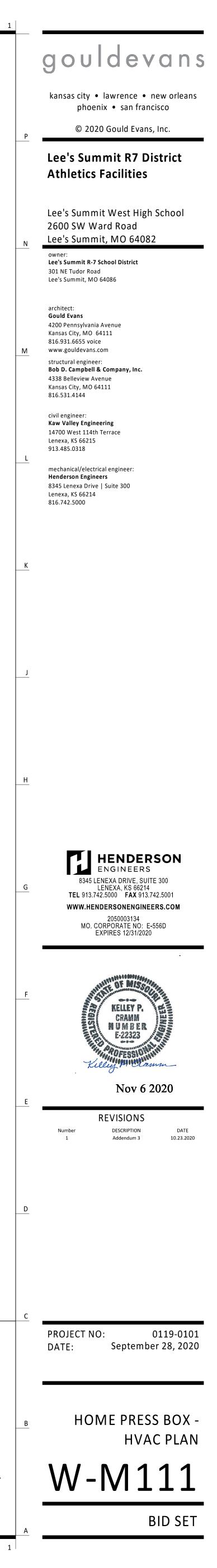
 $1 \rightarrow$

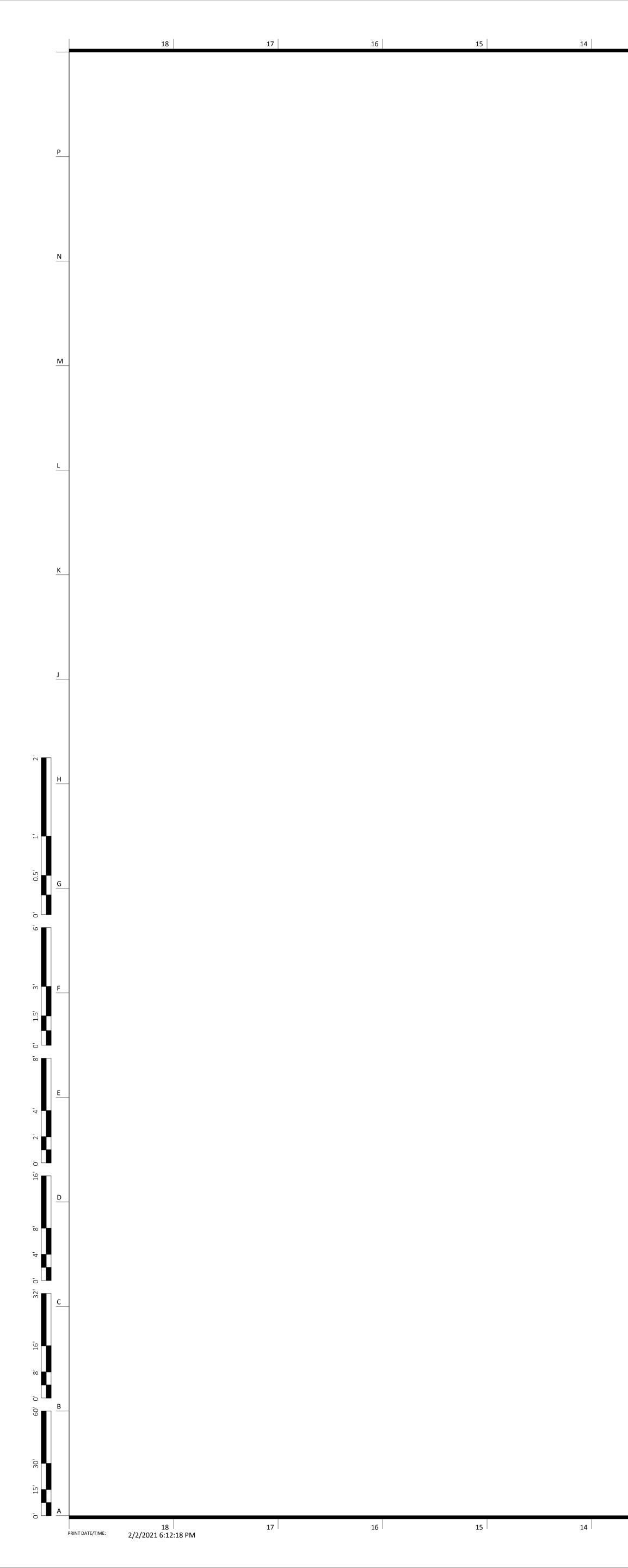
M1 EXISTING HEATER AND ALL ASSOCIATED ACCESSORIES TO

M2 INSTALL CONDENSING UNIT ON WALL ABOVE LOW ROOF.

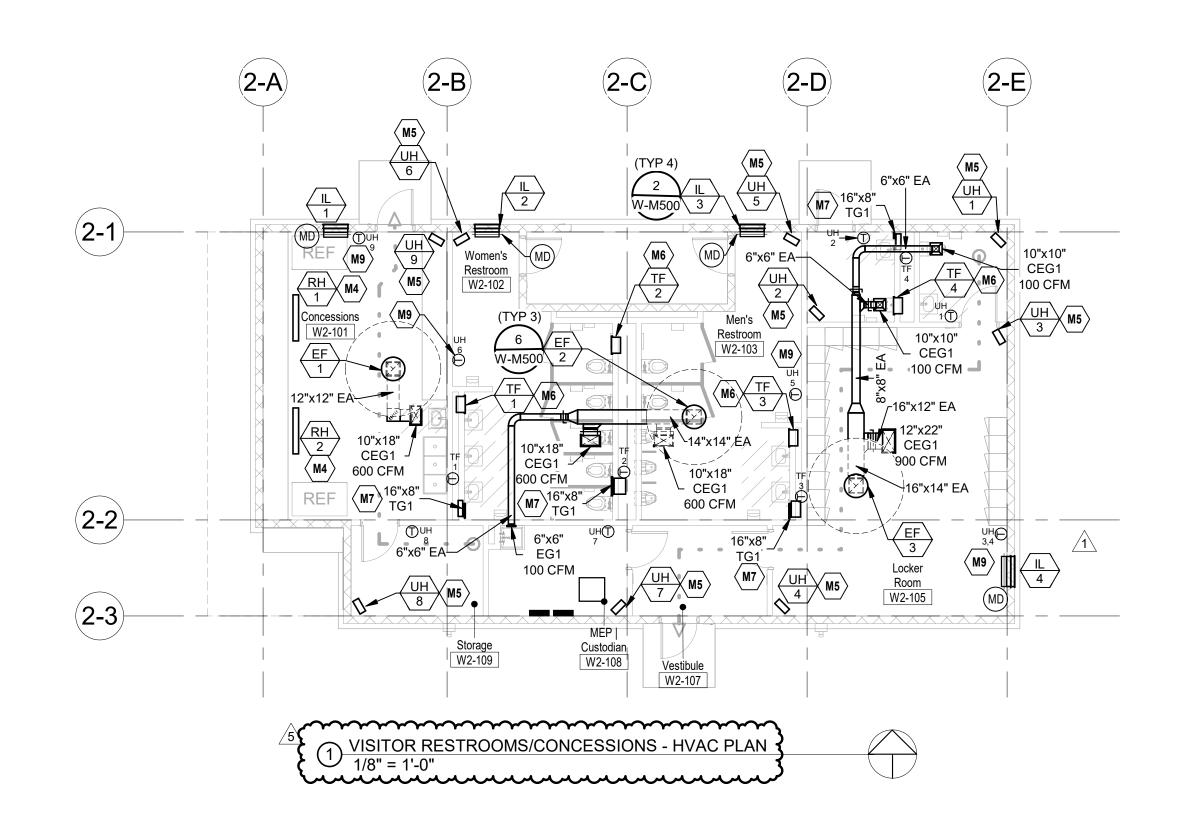
MECHANICAL PLAN NOTES:

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MECHANICAL PLAN NOTES:

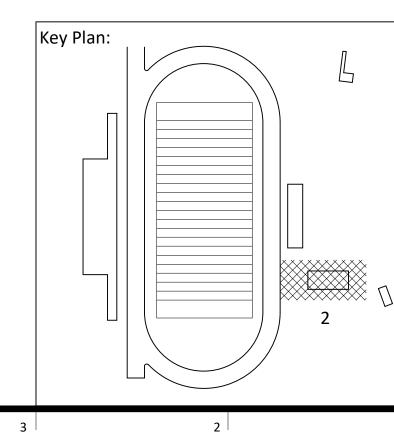
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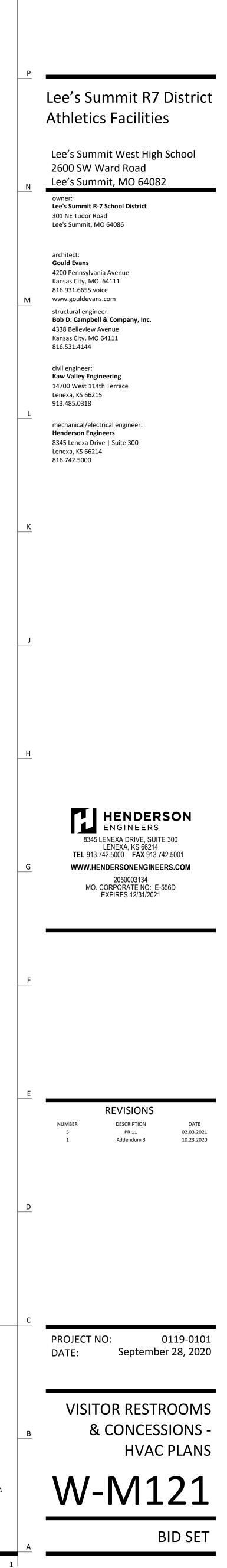
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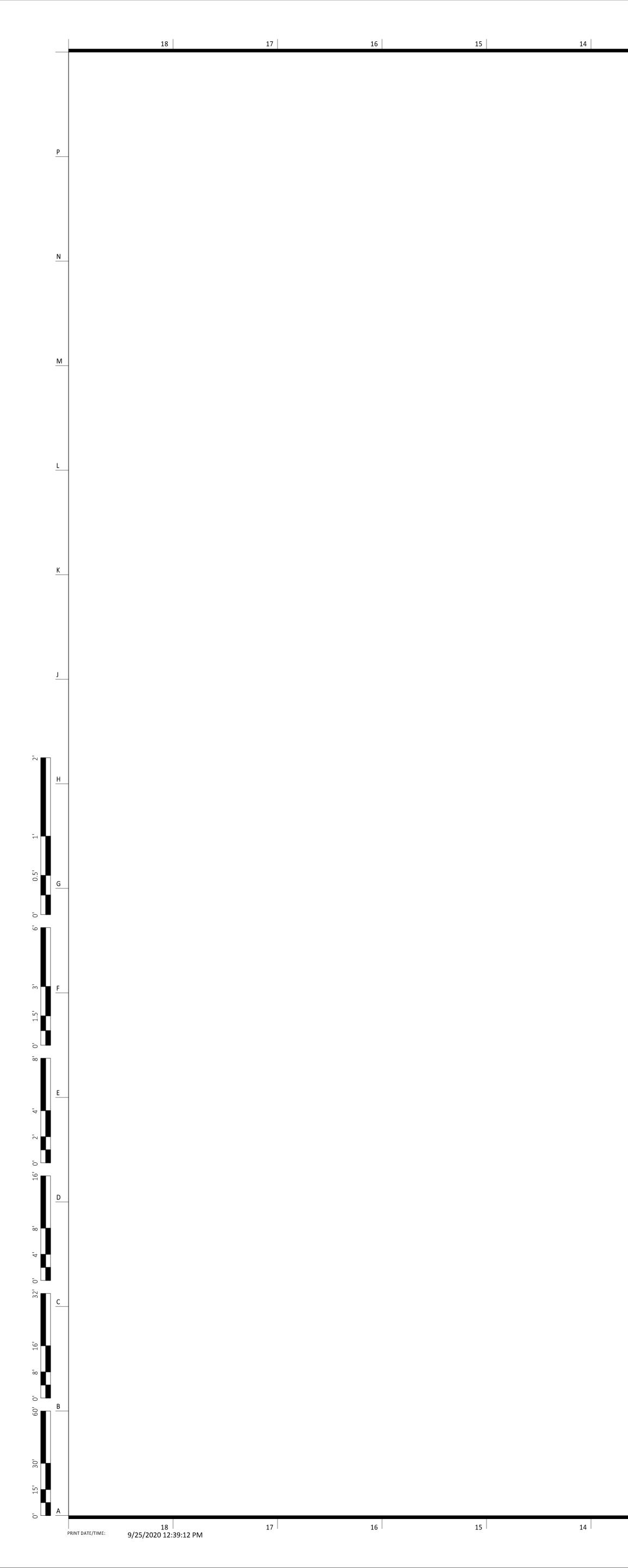
- M4 INSTALL RADIANT HEATER RECESSED IN CEILING. COORDINATE FINAL LOCATION WITH LIGHTING.
 M5 INSTALL UNIT HEATER SUSPENDED FROM STRUCTURE ACCORDING TO MANUFACTURED REQUIREMENTS AND
- M5 INSTALL UNIT HEATER SUSPENDED FROM STRUCTURE ACCORDING TO MANUFACTURER REQUIREMENTS AND SPECIFICATIONS.
 M6 INSTALL TRANSFER FAN HIGH ON WALL IN CMU BLOCK VOID.
- M7 INSTALL TRANSFER GRILLE LOW ON WALL AS NOT TO INTERFERE WITH PLUMBING FIXTURES.
- M9 PROVIDE VANDAL-PROOF COVER ON THERMOSTAT.



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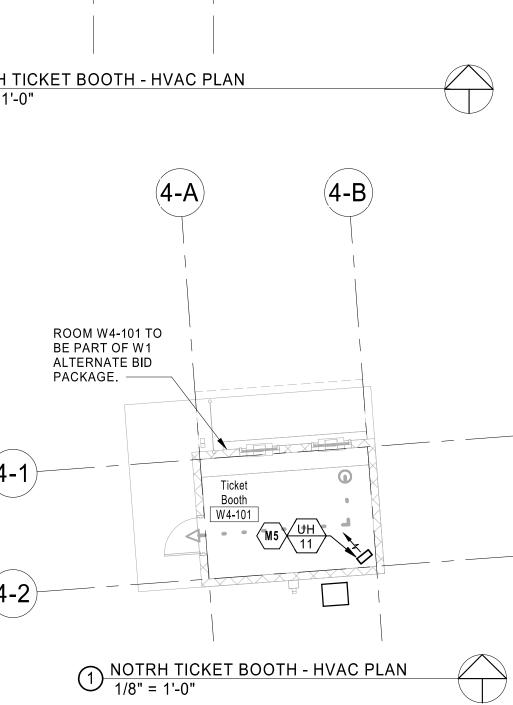




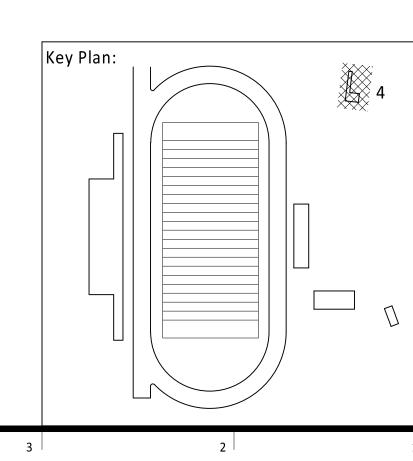
| 5-1 | | | |
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| 5-2 | | | |
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| ② SOUTH TIC 1/8" = 1'-0" | | | |
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| 4-1 | | | |
| 4-2 | | | |
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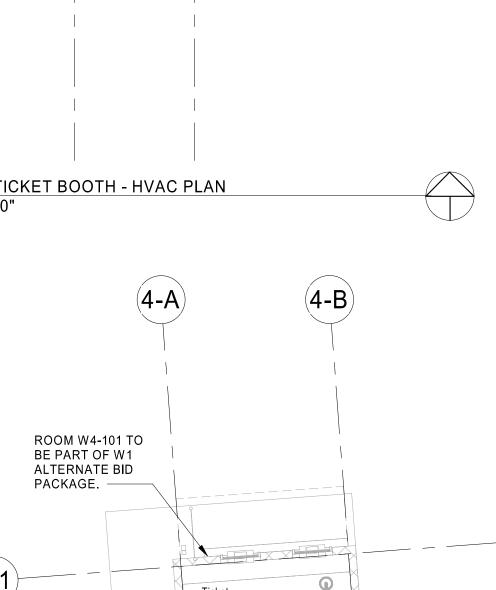
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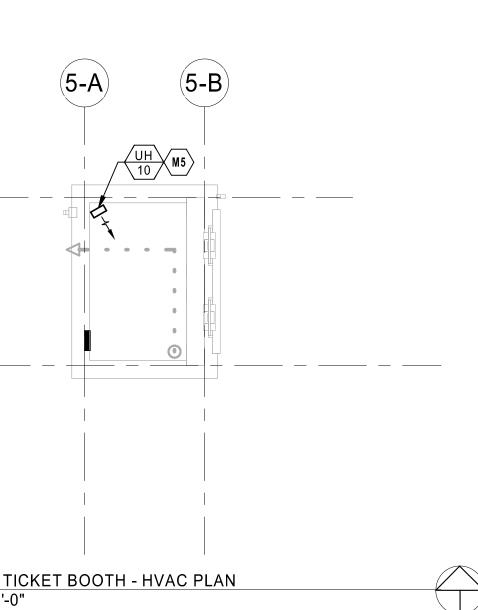
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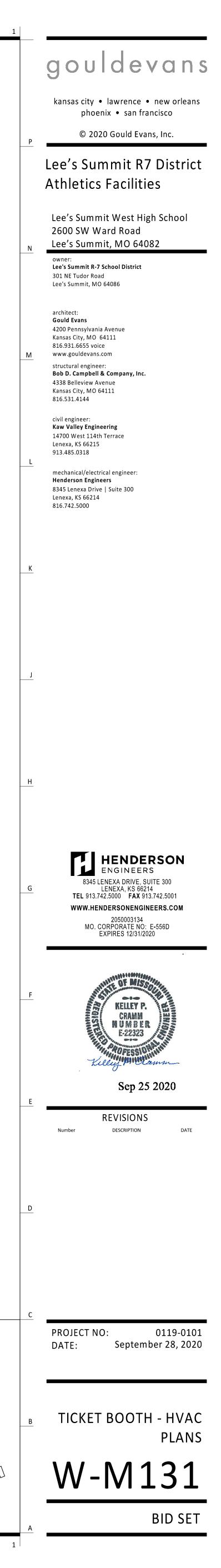


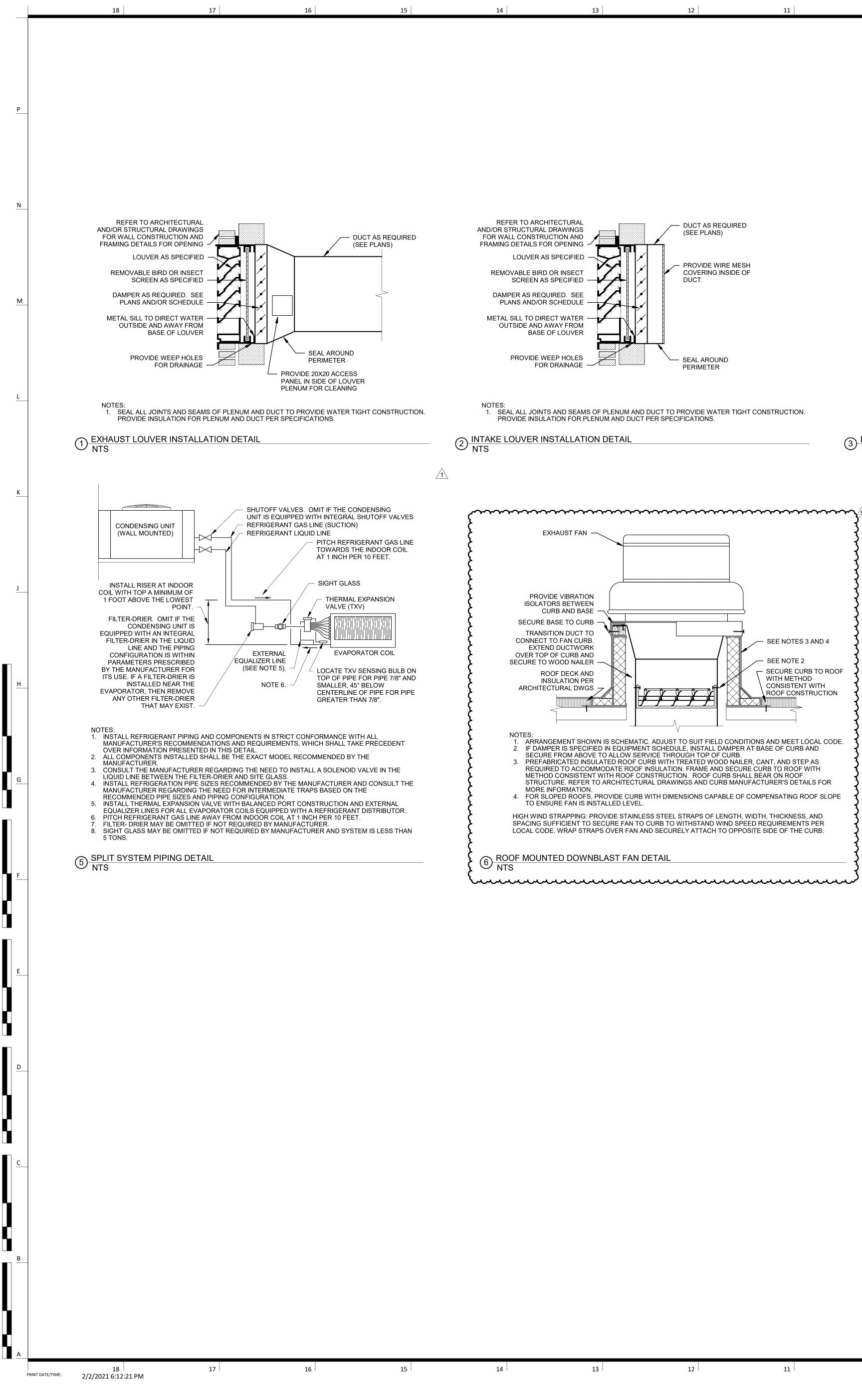






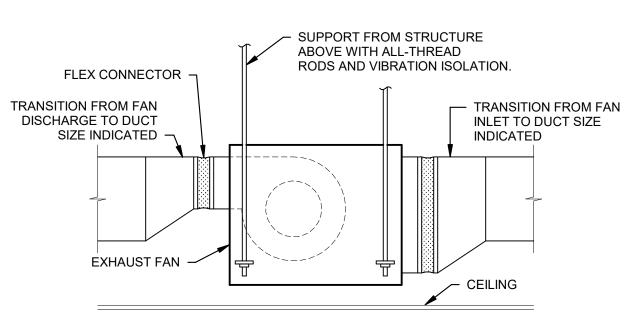




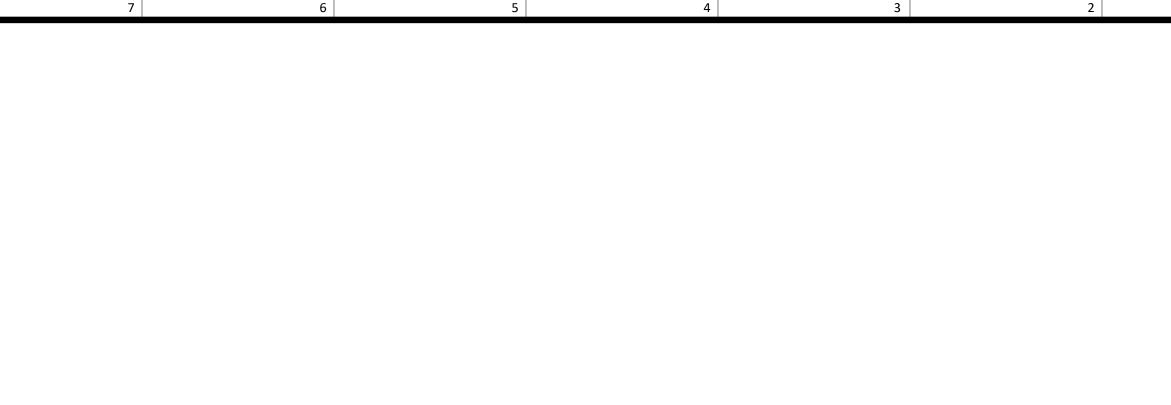


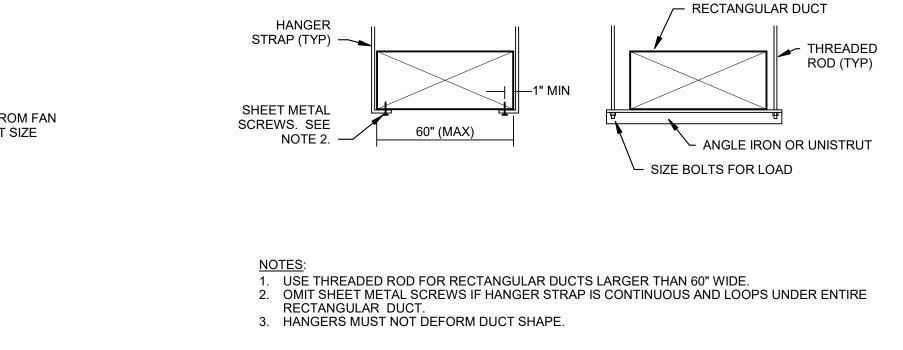






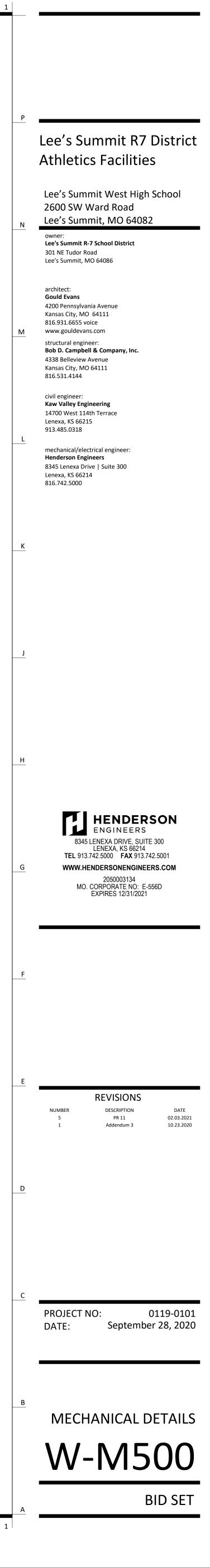








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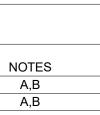
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| E TF 3 TF 4 | WOMENS RESTROOM WOMENS RESTROOM MENS RESTROOM FAMILY RESTROOM | TRANSFER TRANSFER TRANSFER TRANSFER | GREENHECK GREENHECK GREENHECK GREENHECK | WALL WALL WALL WALL | CBF CBF CBF CBF | 500 500 500 500 | 0.20 0.20 0.20 | 0.05 1050 0.05 1050 0.05 1050 0.05 1050 0.05 1050 | DIRECT DIRECT DIRECT | 115 115 115 115 115 | /1 NON- /1 NON- /1 NON- | USED USED USED USED | 17 17 17 17 17 | B,C,E B,C,E B,C,E B,C,E |
|--|--|--|---|---|---|---|--|---|--|---|---|--------------------------------------|-------------------------------|----------------------------------|
| MODEL NU THE EXAC | JMBERS SHALL NOT BE CO | ONSIDERED COMPL | ETE AND MATERIA | AL SHALL NOT I | BE ORDERED B | | URER AND | | | | | | | |
| B. PF C. PF | ROVIDE RUBBER IN SHEAF ROVIDE FACTORY MOUNTI ROVIDE WITH MANUFACTL ROVIDE WITH MANUFACTL | ED DISCONNECT SV | VITCH. CONTROLLER FOF | R BALANCING P | | | | | | | | | | |
| E. PF | | TED TEMPERATURE | E SENSOR. | | | | | | | \cdots | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | \cdots | | 7 |
| MARK IL 1 IL 2 | AREA SERVED CONCESSIONS WOMENS RESTROOM | SERVICE EXHAUST EXHAUST | MANUFACTUREF GREENHECK GREENHECK | | WIDTH (IN 24" | | (IN) 60 | | MIN FREE AREA (SF) 1.19 1.19 | MAX VEL (FPM) 500 FPM 500 FPM | MAX APD (II W.C.) 0.01 in-wg 0.01 in-wg | 1 A | NOTES ,B,C,E,F ,B,C,E,F | |
| K IL 3 IL 4 | MENS RESTROOM LOCKER ROOM | EXHAUST EXHAUST | GREENHECK GREENHECK | ESD-635 ESD-635 | 24" 24" | 24" 30" | 60 90 | 0 CFM 0 CFM | 1.19 1.81 | 500 FPM 500 FPM | 0.01 in-wg 0.01 in-wg | A | ,B,C,E,F ,B,C,E,F | |
| MODEL NU REVIEW T | JMBERS SHALL NOT BE C HE COMPLETE DESCRIPT JFACTURERS LISTED ARE | ONSIDERED COMPL | ETE AND MATERIA | AL SHALL NOT I | BE ORDERED B | | URER AND | MODEL NUM | MBERS ONLY. | | | | | |
| NOTES: A. PF | ROVIDE 1/2" MESH ALUMIN ROVIDE ANNODIZED FINISI | UM BIRD SCREEN. | | ECT. | | | | | | | | | | |
| D. PF E. PF | RAME TYPE SHALL MATCH ROVIDE WITH INTEGRAL B ROVIDE WITH INTEGRAL 24 TERLOCK MOTOR-OPERA | ACKDRAFT DAMPER V MOTOR OPERAT TED DAMPER WITH | R. ED DAMPER. EXHAUST FAN. | | | | | | | | | | | |
| MARK M | IANUFACTURER SERV | | | | | | JSEF BORDER T | | HEDU | | MAX PRESS DROP (IN W.C.) | NOTES | | |
| CEG1 EG1 RG1 SG1 | PRICE EXHAN PRICE EXHAN PRICE RETU PRICE SUPF | JST 630 RN 630 /LY 630 | ALUMINIUM ALUMINIUM ALUMINIUM ALUMINIUM | LOUVERED LOUVERED LOUVERED LOUVERED | WA WA WA | ALL ALL ALL | SURFAC SURFAC SURFAC SURFAC | E REFE | ER TO PLANS ER TO PLANS ER TO PLANS ER TO PLANS | 30 30 30 30 30 | 0.08 0.08 0.05 0.08 | A,B,C,D A,B,C,D A,C,D A,C,D |) | |
| NOTES AN | PRICE TRANS | | | | BE ORDERED B | | | MODEL NUM | | | | A,B,C,E SCRIPTION | | |
| B. BA C. FR | ECK SIZE SHOWN ON DRA AKED ENAMEL FINISH, WH RONT BLADES PARALLEL T | TE TO MATCH CEIL O LONG DIMENSIOI | ING COLOR. N. | | | | | | | | | | | |
| D. FR | AME TYPE TO MATCH CE | | T SYST | | | | | | DULE | (HEA | | ИP) | | |
| | | | IPPLY FAN | | ING COIL | HE | | HEATING CO | IL | <u> </u> | LECTRICAL | / | | |
| | | DDEL CFM | (IN) HP (MI | BH) (MBH) (°F I | DB) (°F WB) T | | l) (DB) | (°F DB) | | | P DISC TYPE | STARTER TYPE | (LBS) | NOTES |
| FCU 1 MODEL NU SPECIFICA NOTES: A. EC | MITSUBISHI PEAD-A | 2/PUZ-A12 420 ONSIDERED COMPL IE EXACT MATERIAI SHALL BE BY THE S | (IN) HP (MI 0.20 0.01 12 ETE AND MATERIA AND ACCESSORI | BH) (MBH) (°F I 2.0 10.0 80 AL SHALL NOT I IES TO BE ORD IRER. | DB) (°F WB) T 0.0 67.0 R BE ORDERED B | TYPE (MBH -410A 10.5 BY MANUFACTI | URER AND | (°F DB) 55 °F MODEL NUM | LAT V/PH 85 °F 208/1 //BERS ONLY. | 11 28 REVIEW TH | DISC TYPE NON-FUSED | TYPE INTEGRAL | (LBS) 58 | NOTES A-L |
| FCU 1 MODEL NU SPECIFICA NOTES: A. EC B. FC C. HE D. PF E. PF F. PF G. SU H. PF J. RC K. PF | MITSUBISHI PEAD-A | 2/PUZ-A12 420 ONSIDERED COMPL IE EXACT MATERIAL SHALL BE BY THE S SIZED FOR 100° F A CITY BASED ON AMI WAWAY AIR FILTER ED STARTER AND D RAMMABLE THERM COM STRUCTURE IN BRACKET FOR CON N PIPING FROM UNIT PAN WITH [FLOOD E | (IN) HP (MI 0.20 0.01 12 ETE AND MATERIAL AND ACCESSORI SAME MANUFACTU MBIENT TEMPERATION BIENT TEMPERATION SOUSCONNECT SWITH OSTAT WITH STACE HORIZONTAL POSTO DENSING UNIT. TO NEAREST FLOODETECTOR SWITCI | BH) (MBH) (°F I 2.0 10.0 80 AL SHALL NOT I IES TO BE ORD IRER. ATURE. URE LISTED. CH. GED HEATING A SITION WITH AL OOR DRAIN ANI H TO SHUT OFF | DB) (°F WB) T 0.0 67.0 R BE ORDERED B ERED. THE MA AND COOLING C L -THREAD RO D TERMINATE V T UNIT WHEN W | CAPABILITY AS D AND SPRING WITH CODE-AP /ATER IS PRES | I) (DB) 5°F URER AND RS LISTED / S REQUIRE G VIBRATIO | OFOR OPER NODEL NUM | LAT V/PH 85 °F 208/1 MBERS ONLY. SIS FOR THE SIS FOR THE ATION OF HE | 1128REVIEW THDESIGN.ATING, COO1 DEFLECTIO | DISC TYPE NON-FUSED | TYPE INTEGRAL ESCRIPTION | (LBS) 58 N, NOTES AND | |
| FCU 1 MODEL NU SPECIFICA NOTES: A. EC B. FC C. HE D. PF E. PF F. PF G. SU H. PF J. RC K. PF | MITSUBISHI PEAD-A JMBERS SHALL NOT BE CA ATIONS TO DETERMINE TH DR COOLING, EQUIPMENT EAT PUMP HEATING CAPA ROVIDE 2" PLEATED THRO ROVIDE FACTORY MOUNTI ROVIDE WITH 7-DAY PROG JSPEND FAN COIL UNIT FF ROVIDE WALL MOUNTING I DUTE CONDENSATE DRAIN ROVIDE AUXILIARY DRAIN | 2/PUZ-A12 420 ONSIDERED COMPL IE EXACT MATERIAL SHALL BE BY THE S SIZED FOR 100° F A CITY BASED ON AMI WAWAY AIR FILTER ED STARTER AND D RAMMABLE THERM OM STRUCTURE IN BRACKET FOR CON N PIPING FROM UNI PAN WITH [FLOOD E INISH ON CONDENS | (IN) HP (MI 0.20 0.01 12 LETE AND MATERIAL AND ACCESSORI AND ACCESSORI SAME MANUFACTU MBIENT TEMPERATION MBIENT TEMPERATION SUBSCONNECT SWITH IOSTAT WITH STACE INIT. IOSTAT WITH STACE DENSING UNIT. T TO NEAREST FLOODENSING UNIT. SUBSCONTER SING UNIT. COORE VIT HEAR | BH) (MBH) (°F I 2.0 10.0 80 AL SHALL NOT I IES TO BE ORD IRER. ATURE. URE LISTED. CH. GED HEATING A SITION WITH AL OOR DRAIN ANI H TO SHUT OFF DINATE COLOR | AND COOLING C L -THREAD RO UNIT WHEN W WITH ARCHITE | CAPABILITY AS D AND SPRING WITH CODE-AF (ATER IS PRES CT. | I) (DB) 5°F URER AND RS LISTED / S VIBRATIO PPROVED / SENT IN DR | (°F DB) 55 °F MODEL NUN ARE THE BAS D FOR OPER NI ISOLATION AIR GAP. AIN PAN.] [A | LAT V/PH 85 °F 208/1 MBERS ONLY. SIS FOR THE XATION OF HE N (2" MINIMUM | 1128REVIEW THDESIGN.ATING, COO1 DEFLECTIO | DISC TYPE NON-FUSED | TYPE INTEGRAL ESCRIPTION | (LBS) 58 N, NOTES AND | |
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| FCU 1 MODEL NUSPECIFICA NOTES: A. EC B. FC C. HE D. PF E. PF G. SU H. PF J. RC K. PF L. PF UH 1 UH 2 UH 3 UH 4 UH 5 UH 6 UH 7 UH 8 UH 9 UH 10 UH 11 UH 10 | MITSUBISHI PEAD-A JMBERS SHALL NOT BE CA ATIONS TO DETERMINE TH COUIPMENT COMPONENTS DR COOLING, EQUIPMENT EAT PUMP HEATING CAPAR ROVIDE 2" PLEATED THRO ROVIDE FACTORY MOUNT ROVIDE WALL AOUNTING I DUTE CONDENSATE DRAIN ROVIDE AUXILIARY DRAIN ROVIDE AUXILIARY DRAIN ROVIDE CUSTOM COLOR F RESTROOM FAMILY RESTROOM LOCKER ROOM LOCKER ROOM MENS RESTROOM MENS RESTROOM MENS RESTROOM MENS RESTROOM MENS RESTROOM MEP-CUSTODIAN STORAGE CONCESSIONS SOUTH TICKET BOOTH NORTH TICKET BOOTH | 2/PUZ-A12 420 DNSIDERED COMPL IE EXACT MATERIAL SHALL BE BY THE S SIZED FOR 100° F A CITY BASED ON AMI WAWAY AIR FILTER ED STARTER AND D RAMMABLE THERM COM STRUCTURE IN SRACKET FOR CON PIPING FROM UNI PAN WITH [FLOOD D INISH ON CONDENS MANUFACTURER QMARK QMARK QMARK QMARK QMARK QMARK QMARK QMARK QMARK | (IN) HP (MI 0.20 0.01 12 LETE AND MATERIAL AND ACCESSORI MATERIAL AND ACCESSORI SAME MANUFACTUR MBIENT TEMPERATION BIENT TEMPERATION MITH STACK DISCONNECT SWITH STACK IOSTAT WITH STACK HORIZONTAL POSTORIAL | BH) (MBH) (°F I 2.0 10.0 80 AL SHALL NOT I IES TO BE ORD NRER. ATURE. ATURE LISTED. CH. GED HEATING A SITION WITH AL DOR DRAIN ANI H TO SHUT OFF DINATE COLOR MIN OUT (MBH) MIN OUT (MBH) (K 10.2 3 17.0 5 10.2 3 | DB) (°F WB) T DB) 67.0 R BE ORDERED B BERED. THE MA BE ORDERED. THE MA AND COOLING C L L -THREAD RO D D TERMINATE V WITH ARCHITE OM MIN NO OI STAGES 3.0 3.0 1 5.0 2 7.5 2 3.0 1 3.0 1 3.0 1 3.0 1 3.0 1 3.0 1 3.0 1 3.0 1 3.0 1 3.0 1 | TYPE (MBH -410A 10.5 BY MANUFACTURER 30 BY MANUFACTURER 0 BY MANUFACTURER 0 CAPABILITY AS 0 D AND SPRING 0 MITH CODE-AF 0 ATER IS PRES 0 SCT. 0 DULE 0 F CFM 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 350 | I) (DB) 5°F URER AND SISTED A SISTED A SOURCE | (°F DB) 55 °F MODEL NUNARE THE BAS D FOR OPER NISOLATION NIR GAP. AIN PAN.] [A THROW (FT) V/F 12 277 12 12 12 12 | LAT V/PH 85 °F 208/1 //BERS ONLY. SIS FOR THE //BERS ONLY. SIS FOR THE //ABERS ONLY. SIS FOR THE // | 11 28 REVIEW THDESIGN. ATING, COO 1 DEFLECTIO AIN PROVIDE SED | DISC TYPE NON-FUSED IE COMPLETE DE LING CONTROLS DN). ED BY PLUMBING NOTES A,B,E,F A,B | TYPE INTEGRAL ESCRIPTION | (LBS) 58 N, NOTES AND | |
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SEQUENCE OF OPERATIONS MISCELLANEOUS EQUIPMENT

\sim ⁵ EXHAUST FAN (EF-1,2,4) <u>OPERATING MODES</u>

OCCUPIED MODE:

The unit shall be in occupied mode when the room light switch is turned on. UNOCCUPIED MODE: The unit shall be in unoccupied mode for all periods when the room light switch is turned off.

COMPONENT CONTROL LOOPS:

The units shall be controlled by the room lighting controls system. A 2 position motorized damper at the intake louver shall be linked with the exhaust fan. When in occupied mode:

The unit shall run continuously. 2 position motorized damper at intake louver shall be open.

When in unoccupied mode: The unit shall be off.

2 position motorized damper at intake louver shall be closed.

TRANSFER FAN (TF-1,2,3,4) OPERATING MODES

STANDBY MODE: The unit shall be in standby mode when the zone temperature (Z-T) is above space temperature setpoint of 50 F.

HEATING MODE: The unit shall be in heating mode when the zone temperature (Z-T) falls below space temperature setpoint of 50 F.

COMPONENT CONTROL LOOPS: The units shall operate as an independent system. The unit shall be controlled by a wall mounted thermostat located within the respective plumbing chase. When in Standby Mode:

The unit shall remain off. When in Heating Mode:

> The unit shall be on. The unit shall remain on unitl space temperature as sensed by the wall mouted thermostat is above space temperature setpoint of 50 F.

ELECTRIC UNIT HEATER (UH-1,2,3,4,5,6,7,8,9,12) **OPERATING MODES**

STANDBY MODE:

The unit shall be in standby mode when the zone temperature (Z-T) is above space temperature setpoint. HEATING MODE:

The unit shall be in heating mode when the zone temperature (Z-T) falls below space temperature setpoint. COMPONENT CONTROL LOOPS The units shall operate as an independent system. The units shall be controlled by a wall mounted thermostat located within the respective space.

When in Standby Mode:

The unit shall remain off. When in Heating Mode:

The unit shall be on. The unit shall stage/cycle heater as required to maintain temperature setpoint of 68 F as sensed by the wall mounted thermostat.

ELECTRIC UNIT HEATER (UH-10,11) **OPERATING MODES**

STANDBY MODE:

The unit shall be in standby mode when the timer switch is off. HEATING MODE:

The unit shall be in heating mode when the timer switch is on. COMPONENT CONTROL LOOPS

The units shall operate as an independent system. The units shall be controlled by a timer switch located within each respective room. When in Standby Mode:

The unit shall stage/cycle heater as required to maintain temperature setpoint of 68 F as sensed by the integral

The unit shall remain off.

When in Heating Mode: The unit shall be on.

thermostat.

<u>/1</u>

SPLIT SYSTEM FAN COIL UNIT (FCU-1) **OPERATING MODES**

STANDBY MODE: The unit shall be in standby mode when the zone temperature (Z-T) does not call for heating or cooling.

<u>COOLING MODE:</u> The unit shall be in cooling mode when the zone temperature (Z-T) falls below space temperature setpoint.

HEATING MODE: The unit shall be in heating mode when the zone temperature (Z-T) is above space temperature setpoint.

COMPONENT CONTROL LOOPS The unit shall operate as an independent system. The unit shall be controlled by a wall mounted thermostat located

within the space.

When in Standby Mode: The unit shall remain off.

When in Cooling Mode:

The unit shall be on. The unit shall stage/cycle cooling as required to maintain space temperature setpoint of 80 F as sensed by the wall mounted thermostat. When in Heating Mode:

The unit shall stage/cycle heating as required to maintain space temperature setpoint of 68 F as sensed by the wall mounted thermostat.

OPERATING MODES

STANDBY MODE:

HEATING MODE: The units shall be in heating mode when the timer switch is on.

COMPONENT CONTROL LOOPS The units shall operate as an independent system. The units shall be controlled by a single timer switch located within the room.

When in Standby Mode: The unit shall remain off.

When in Heating Mode:

The unit shall be on.

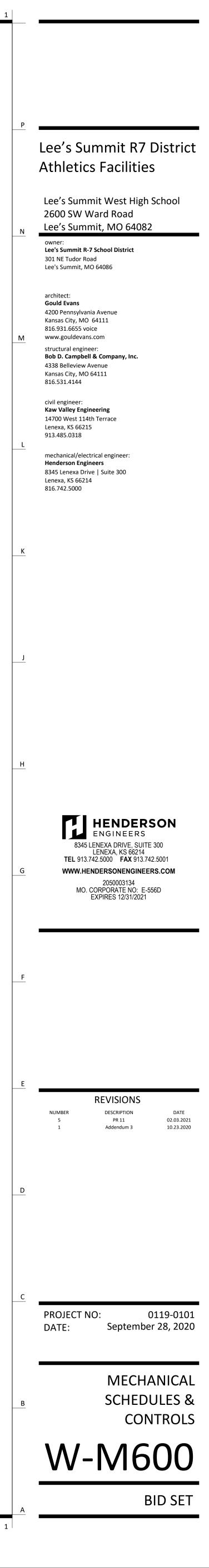
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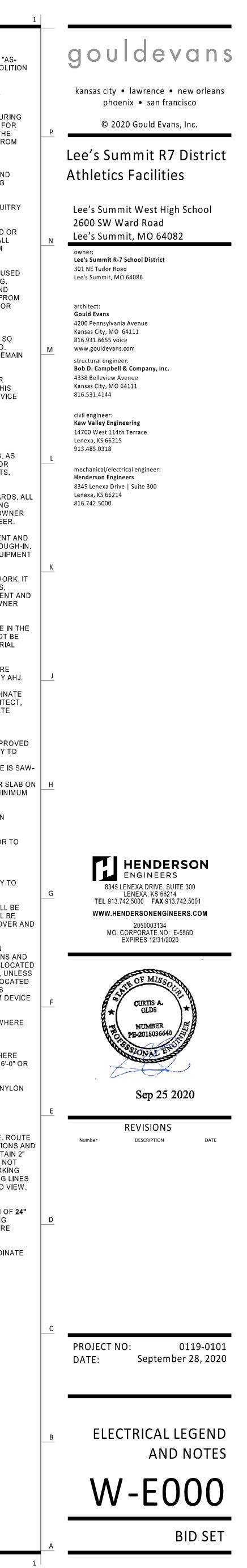
The unit shall be on.

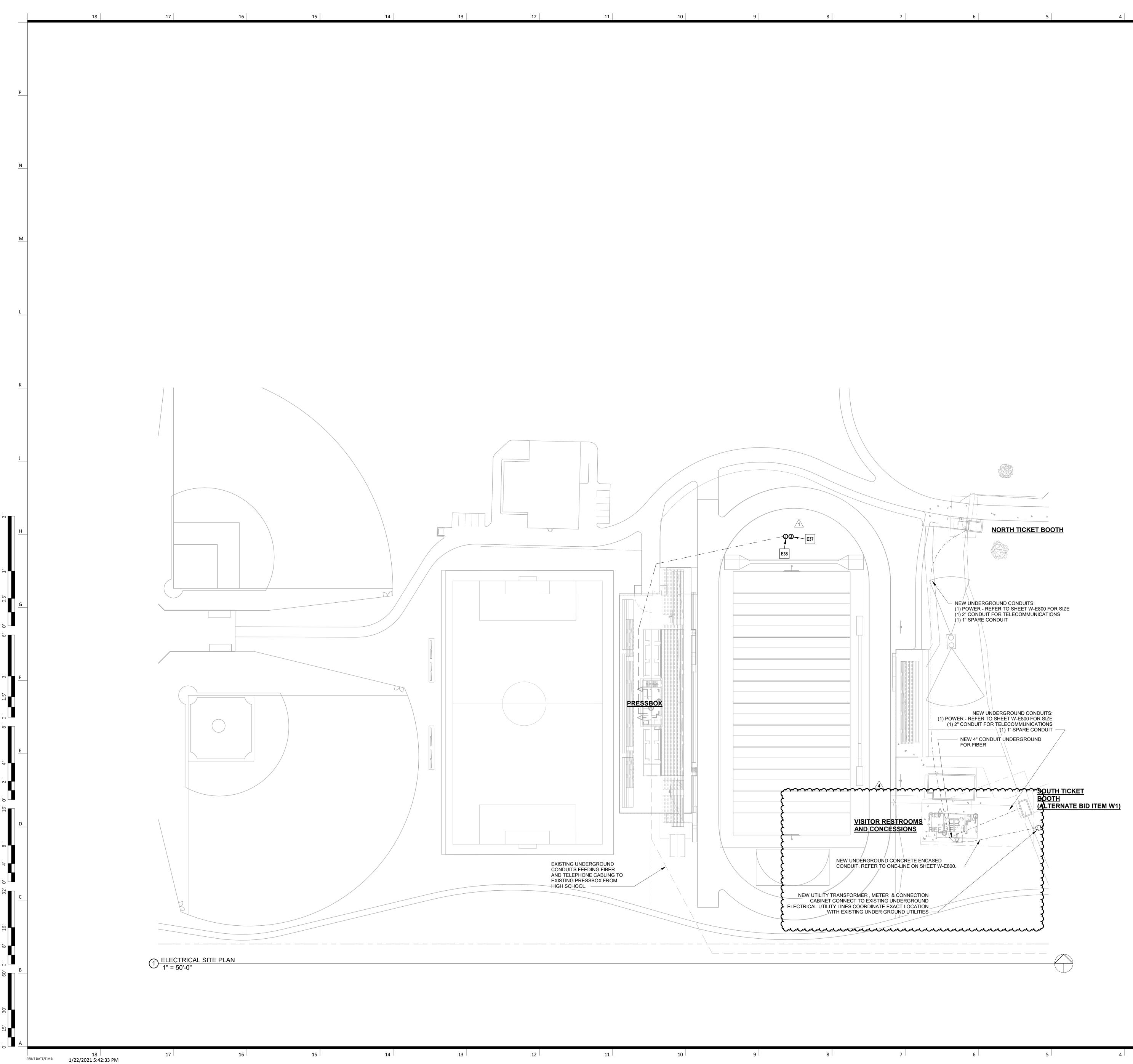
RADIANT HEATER (RH-1,2)

The units shall be in standby mode when the timer switch is off.



| ELECTRICAL SYMBOLS | | | | | ELECTRICAL GENERAL NOTES : 1. EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND SITE VISITS AND MAY NOT REFLECT ACTUAL "A RULL T" CONDITIONS VERIEX EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL RID, COORDINATE NEW AND DEMOL |
|--|---|---|---|---|--|
| THIS IS A MASTER LEGEND AND NOT ALL SYMBOLS OR ABBRE STANDARD MOUNTING HEIGHTS | VIATIONS ARE USED. ANNOTATION | LIGHTING | BOXES, LIGHTING CONTROL & WIRING DEVICES | V3.00 ELECTRICAL ONE-LINE & RISER DIAGRAM | BUILT" CONDITIONS. VERIFY EXISTING CONDITIONS PRIOR TO SUBMITTING FINAL BID. COORDINATE NEW AND DEMOL WORK WITH ALL OTHER TRADES AND EXISTING CONDITIONS. 2. NOTIFY ARCHITECT, ENGINEER AND OWNER, AS APPLICABLE, IF ANY DANGEROUS CONDITIONS EXIST ON JOB SITE |
| AUDIBLE APPLIANCES (CENTERLINE)84"ALARMS48"ALARMS48"ANNUNCIATOR PANELS (DISPLAY)60"CONTROLS (TOP OF DEVICE)48"EXIT SIGNS (WALL MOUNTED)80"FIRE ALARM ANNUNCIATOR PANEL (DISPLAY)60"FIRE ALARM BELL (EXTERIOR) (CENTERLINE)120"FIRE ALARM CONTROL PANEL/UNIT (DISPLAY)60"NTERCOM (AFEA ONLY)60"NTERCOMS (TOP OF DEVICE)48"PULL STATIONS (TOP OF DEVICE)48"PULL STATIONS (TOP OF DEVICE)48"PHOTOCELLS144"RECEPTACLES (EXTERIOR)24"RECEPTACLES (GARAGES)24"RECEPTACLES (POOLS)27"RECEPTACLES (ABOVE COUNTER) +6" ABOVE BACKSPLASH/COUNTER, 40" MAX | MECHANICAL OR FIRE PROTECTION PLAN NOTE CALLOUT PLUMBING PLAN NOTE CALLOUT ELECTRICAL OR FIRE ALARM PLAN NOTE CALLOUT TECHNOLOGY PLAN CALLOUT PLUMBING EQUIPMENT DESIGNATION. (CONTRACTOR FURNISHED AND INSTALLED). REFER TO PLUMBING FIXTURE OR EQUIPMENT SCHEDULES | A a • • • | SWITCH LETTER DESIGNATIONS AS FOLLOWS: BLANK = SINGLE 2 = TWO POLE 3 = THREE-WAY 4 = FOUR-WAY D = DIMMER \$ | <pre>witch (RATING AS INDICATED) ###A 3P DRAWOUT CIRCUIT BREAKER (RATINGS AS INDICATED) ###AS 3P ###AF FRS FUSED SWITCH (RATING, POLES AND FUSE TYPE AS INDICATED) ###AS 3P ###AF FRS NEMA # COMBINATION FUSED SWITCH/STARTER AND STARTER SIZE ###AS 3P CIRCUIT BREAKER (RATINGS AS INDICATED)</pre> | BEFORE ANY DEMOLITION OR REMODEL WORK BEGINS. COORDINATE ANY NECESSARY POWER OUTAGES WITH THE OWNER AND MAKE EVERY ATTEMPT TO SCHEDULE DUF NON-BUSINESS OR OFF-PEAK BUSINESS HOURS TO MINIMIZE DISRUPTION TO BUSINESS OPERATIONS. REQUESTS F ELECTRICAL SHUTDOWNS OF THE OWNER'S EQUIPMENT SHALL BE BROUGHT IN WRITING TO THE ATTENTION OF TH OWNER AT LEAST 7 DAYS IN ADVANCE. SHUTDOWNS SHALL NOT BE PERFORMED WITHOUT WRITTEN APPROVAL FR THE OWNER. ALL ROOF PENETRATIONS, FLOOR CHASING OR CORE DRILLING SHALL REQUIRE THE SPECIFIC APPROVAL OF THE OWNER. ALL WORK IN COMMON AREAS, SHAFTS OR OTHER OWNER SPACES MUST BE SPECIFICALLY REVIEWED AN APPROVED BY THE OWNER PRIOR TO ANY WORK BEING PERFORMED. MINIMIZE DISTURBANCE TO OTHER BUILDING TENANTS. FOR AREAS AND EQUIPMENT WITHIN THE SCOPE OF THIS REMODEL: EXISTING ELECTRICAL EQUIPMENT AND CIRCU MAY BE REUSED IF IN GOOD CONDITION AND NEW DESIGN REQUIREMENTS CAN BE MET; OTHERWISE REPLACE FOR AREAS AND EQUIPMENT WITHIN THE SCOPE OF THIS REMODEL: REPAIR OR REPLACE ANY EXISTING DAMAGED |
| ECEPTACLES IN EQUIPMENT ROOMS44"EMOTE INDICATING LIGHT (EQUIPMENT ROOMS)48"EMOTE INDICATING LIGHT (FINISHED AREAS)CEILINGAFETY SWITCHES (TOP OF DEVICE)48"TARTERS (TOP OF DEVICE)48"WITCHES (TOP OF DEVICE)48"ELEPHONE, DATA OUTLETSSAME AS ADJACENT DEVICE, UNOELEPHONE TERMINAL BOARD (BOTTOM)6"ELEVISION OUTLETSREFER TO ARCH DRAWINGSISIBLE APPLIANCES (CENTERLINE)84"WITCHES IN DOCUMENTS. MOUNTING HEIGHTS SHOWN ABOVE UNO INHE CONSTRUCTION DOCUMENTS. MOUNTING HEIGHTS LISTED ABOVE, ORLSEWHERE IN THE CONSTRUCTION DOCUMENTS, ARE AFF OR AFG TO | 1 EQUIPMENT DESIGNATION (OWNER FURNISHED, CONTRACTOR INSTALLED) CU MECHANICAL EQUIPMENT DESIGNATION (CONTRACTOR FURNISHED AND INSTALLED UNLESS NOTED OTHERWISE) Image: Connection point of new work to existing Image: Connection point of new work to existing Image: Connection point of new work to existing Image: Connection point of new work to exist point Image: Connection point of new work to exist point Image: Connection point point of new work to exist point Image: Connection point point point point Image: Connection point point point Image: Connection point point Image: Connection point point Image: Connection point point Image: Connection point | NIGHT LIGHT/EMERGENCY LIGHT FIXTURE WITH EMERGENCY BATTERY PACK OR CONNECTED TO EMERGENCY SOURCEImage: Stress of the s | ALC AUTOMATIC LOAD CONTROL RELAY BTS BRANCH CIRCUIT TRANSFER SWITCH (#INDICATES TYPE PER SCHEDULE) CORNER 90 DEGREE SENSING ONE-DIRECTION SENSING, CEILING/WALL MOUNT CEILING MOUNT, TWO DIRECTION SENSING CEILING MOUNT, FOUR DIRECTION SENSING CONTACTOR (SIZE, COIL VOLTAGE AND NUMBER OF | Image: Size COMBINATION CIRCUIT BREAKER/STARTER AND STARTER SIZE Image: Size PANELBOARD, SINGLE OR MULTI-SECTION (REFER TO SCHEDULES) Image: Size Isolated power panelboard w/ integral transformer (Refer to schedules) Image: Size Isolated power panelboard w/ integral transformer (Refer to schedules) Image: Tx## TRANSFORMER (TYPE AND RATINGS AS INDICATED) | RECALLED ELECTRICAL EQUIPMENT, LIGHT FIXTURES, WIRING DEVICES AND RELATED CIRCUITRY AND RESTORE AL ELECTRICAL SYSTEMS TO PROPER WORKING ORDER. THE FINAL ELECTRICAL INSTALLATION SHALL BE FREE FROM ELECTRICAL DEFECTS TO THE SATISFACTION OF THE AHJ, OWNER, ARCHITECT AND ENGINEER. 7. FOR AREAS AND EQUIPMENT WITHIN THE SCOPE OF THIS REMODEL: VERIFY CONDITION AND AGE OF EXISTING REU ELECTRICAL EQUIPMENT, LIGHT FIXTURES, CIRCUIT BREAKERS, FUSES, CONDUIT, SWITCHES AND RELATED WIRING NOTIFY OWNER OF ANY ELECTRICAL EQUIPMENT, LIGHT FIXTURES AND WIRING AGED BEYOND ITS USEFUL LIFE ANI REPLACE AS DIRECTED. THE MAXIMUM EXPECTED USEFUL LIFE SHALL NOT EXCEED THE FOLLOWING, (AS DATED FITHE POINT OF MANUFACTURE), UNLESS APPROVED BY THE ENGINEER, MANUFACTURER AND OWNER: 20 YEARS FOR CIRCUIT BREAKERS, GENERATOR/UPS SYSTEMS AND LIGHT FIXTURES, 30 YEARS FOR TRANSFORMERS AND PANELBOARDS, 40 YEARS FOR SWITCHBOARDS AND OTHER ELECTRICAL EQUIPMENT. 8. FOR AREAS AND EQUIPMENT WITHIN THE SCOPE OF THIS REMODEL: ELECTRICAL EQUIPMENT SHALL BE LOCATED STHAT THE CODE REQUIRED MINIMUM WORKING CLEARANCE AND DEDICATED ELECTRICAL SPACE ARE MAINTAINED EXISTING EQUIPMENT NOT MEETING CURRENT CODE CLEARANCE REQUIREMENTS MAY REMAIN IF ALLOWED TO RE |
| BOTTOM OF OUTLET BOX, UNO. ALL DEVICES SHALL BE INSTALLED IN COMPLIANCE WITH CURRENT ADA AND LOCAL REQUIREMENTS. ABBREVIATIONS F AMPERE FUSE SIZE FC ABOVE FINISHED CEILING MFR MANUFACTURER | Image: Circuiting & Wiring CIRCUITING & WIRING Image: OR 7 5 3 ARE CIRCUIT NUMBERS AND PANELBOARD FOR TERMINATION. REFER TO PANELBOARD FOR BRANCH CIRCUIT CONDUCTOR SIZES. Image: Image | EXTERIOR LIT BOLLARD LIGHT EXIT SIGN - CEILING / WALL MOUNTED, ARROWS AS INDICATED, FACE HATCHED EMERGENCY LIGHTING UNIT EQUIPMENT WITH BATTERY PACK - CEILING/WALL MOUNTED AFEA (AREA FOR EVACUATION ASSISTANCE) SIGN - CEILING/WALL MOUNTED, ARROWS AS INDICATED | C# POLES AS INDICATED) CL## TRACK-MOUNTED CURRENT LIMITER (## INDICATES AMPERAGE) D# DAYLIGHT SENSOR (# INDICATES TYPE PER SCHEDULE) LC LIGHTING CONTROLS PROCESSOR AND/OR EQUIPMENT P# POWER PACK (# INDICATES TYPE PER SCHEDULE) P# POWER PACK (# INDICATES TYPE PER SCHEDULE) P# POWER PACK (# INDICATES TYPE PER SCHEDULE) PS# PHOTOELECTRIC SWITCH | TX## SHIELDED TRANSFORMER (TYPE AND RATINGS AS INDICATED) ATS# UTOMATIC TRANSFER SWITCH (RATINGS AS INDICATED) ATS# (W/BYPASS) AUTOMATIC TRANSFER SWITCH WITH BYPASS (RATINGS AS | BY THE AHJ, ENGINEER AND OWNER. 9. FOR FURNISHED EQUIPMENT AND APPLIANCES: CONFIRM THE ELECTRICAL REQUIREMENTS WITH MANUFACTURER INFORMATION AND OTHER TRADES PRIOR TO ROUGH-IN AND ADJUST ELECTRICAL PROVISIONS AS NECESSARY. TH INCLUDES BUT IS NOT LIMITED TO: RACEWAY, CONDUCTOR(S), DISCONNECT, CIRCUIT BREAKER, FUSE, WIRING DEV AND TERMINATION. WHERE APPLICABLE, REFER TO VENDOR INFORMATION, SUCH AS FOOD SERVICE AND REFRIGERATION DRAWINGS, FOR DEVICE TYPE AND LOCATION. ELECTRICAL SUPPLEMENTAL SPECIFICATIONS: 1. PRIOR TO SUBMITTING BID, VISIT THE JOB SITE AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS. APPLICABLE, REVIEW THE OWNER CRITERIA, GENERAL NOTES, OTHER TRADE DRAWINGS AND SPECIFICATIONS FOR |
| ICAMPERE INTERRUPTINGMTDMOUNTEDCAPACITYN/ANOT APPLICABLESAMPERE SWITCH SIZENFNON-FUSEDTAMPERE SWITCH SIZENLNIGHT LIGHT (24HR ON)TSAUTOMATIC TRANSFERNRTLNATIONALLY RECOGNIZEDSWITCHSWITCHTESTING LABORATORYVAUDIO VISUAL(CSA, ETL, NSF, UL)ASBUILDING AUTOMATIONNTSNOT TO SCALESYSTEMOSOCCUPANCY SENSORRPARTPART PARTIAL CIRCUITATCATEGORYPNLATVCABLE TELEVISION SYSTEMPNLCTCLOSED CIRCUIT TELEVISIONPNLBDDCANDELAPNUED PANELBOARDDCANDELAPTMDOPTED BY JURISDICTIONRIRELRECPTADOPTED BY JURISDICTIONRIRELRCPTADOPTED BY JURISDICTIONRCRCRCPTADOPTED BY JURISDICTIONSCCRSHORT-CIRCUIT CURRENTPDTDOUBLE-THROWSDSMOKE DUCT DETECTORPDTDOUBLE-THROWSDSMOKE DUCT DETECTORPDTDOUBLE-THROWSPDTSINGLE-POLE,CELECTRICAL CONTRACTORSPSTSINGLE-POLE,PSTDOUBLE-THROWSSJSUPLY-SIDE BONDINGMEMERGENCYSSJSUPLY-SIDE BONDINGMSENERGY MANAGEMENTSYSTEMSTLVELECTRIC WATER COOLERSWBDSWITCHBOARDAAPFIRE ALARM ANNUNCIATORTBBTELECOMMUNICATIONSAAP </td <td>CIRCUIT CONTINUATION OR PARTIAL CIRCUIT CONDUIT CONCEALED CONDUIT CONCEALED (EMERGENCY) CONDUIT INJUNDER FLOOR/GROUND CONSTRUCTION EXPOSED CONDUIT EXPOSED CONDUIT CONCERNING FLOOR/GROUND CONSTRUCTION FLEXIBLE CONDUIT CONDUIT IURNING DOWN CONDUIT TURNING DOWN CONDUIT TURNING UP CONNECTION POINT OR EQUIPMENT TERMINATION EQUIPMENT TERMINATION CONDUCTOR TICK MARK LEGEND WHERE TICK MARKS ARE SHOWN, THE FOLLOWING SHALL GOVERN: WHERE TICK MARKS ARE SHOWN, THE FOLLOWING SHALL GOVERN: WITCHED HOT (PHASE) CONDUCTORS (SHOWN TRALING NEUTRAL) NOTE: HASH MARKS INDICATE QUANTITY OF CONDUCTORS EQUIPMENT GROUNDING CONDUCTOR IN CONDUIT (GREEN INSULATION WITH YELLOW TRACER) BRANCH CIRCUIT CONDUCTOR TAGER) WHERE TICK MARKS ARE NOT SHOWN, THE FOLLOWING SHALL GOVERN: WETRAL Y OF POLES HOT (PHASE)' [GROUNDED]''GROUNDING ''' OF POLES HOT (PHASE)' [GROUNDED]''GROUNDING''' 1P (1) (1) PROVIDE ADDITIONAL CONDUCTORS THROUGH ENTIRE CIRCUIT (SWITCHED HOT (PHASE)' [GROUNDED]'''GROUNDING''' 1P (1) (1) PROVIDE ADDITIONAL CONDUCTORS THROUGH ENTIRE CIRCUIT (SWITCHED, UNSWITCHED/EM, ETC.) AS INDICATED ''' PROVIDE ADDITIONAL CONDUCTORS THROUGH ENTIRE CIRCUIT ''' PROVIDE ADDITIONAL CONDUCTORS THROUGH ENTIRE CIRCUIT ''' ''' ''' ''' ''' '''' ''''' '''''''</td> <td>REFER TO LIGHT FIXTURE SCHEDULE FOR MORE INFORMATION POWER EQUIPMENT & DEVICES ELECTRICAL PANELBOARD (SURFACE OR FLUSH MOUNT) ELECTRICAL CABINET (SURFACE OR FLUSH MOUNT), TYPE AS NOTED PLYWOOD TERMINAL BOARD FOR TELEPHONE SYSTEM, UNO. 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MATERADE PRICE TO INSTALL ADDIVERS AND PROVED DATE TO THE ATARD APPROVED DATE STOPPING METH</td> | CIRCUIT CONTINUATION OR PARTIAL CIRCUIT CONDUIT CONCEALED CONDUIT CONCEALED (EMERGENCY) CONDUIT INJUNDER FLOOR/GROUND CONSTRUCTION EXPOSED CONDUIT EXPOSED CONDUIT CONCERNING FLOOR/GROUND CONSTRUCTION FLEXIBLE CONDUIT CONDUIT IURNING DOWN CONDUIT TURNING DOWN CONDUIT TURNING UP CONNECTION POINT OR EQUIPMENT TERMINATION EQUIPMENT TERMINATION CONDUCTOR TICK MARK LEGEND WHERE TICK MARKS ARE SHOWN, THE FOLLOWING SHALL GOVERN: WHERE TICK MARKS ARE SHOWN, THE FOLLOWING SHALL GOVERN: WITCHED HOT (PHASE) CONDUCTORS (SHOWN TRALING NEUTRAL) NOTE: HASH MARKS INDICATE QUANTITY OF CONDUCTORS EQUIPMENT GROUNDING CONDUCTOR IN CONDUIT (GREEN INSULATION WITH YELLOW TRACER) BRANCH CIRCUIT CONDUCTOR TAGER) WHERE TICK MARKS ARE NOT SHOWN, THE FOLLOWING SHALL GOVERN: WETRAL Y OF POLES HOT (PHASE)' [GROUNDED]''GROUNDING ''' OF POLES HOT (PHASE)' [GROUNDED]''GROUNDING''' 1P (1) (1) PROVIDE ADDITIONAL CONDUCTORS THROUGH ENTIRE CIRCUIT (SWITCHED HOT (PHASE)' [GROUNDED]'''GROUNDING''' 1P (1) (1) PROVIDE ADDITIONAL CONDUCTORS THROUGH ENTIRE CIRCUIT (SWITCHED, UNSWITCHED/EM, ETC.) 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| WHICH IS DETERMINED BY THE CONTRACTOR AS PART OF THEIR | SIGNALING SIGNALING BELL B SIGNALING BUZZER T LV TRANSFORMER | | * SYMBOL DEMONSTRATED WITH DUPLEX RECEPTACLE, WHEN USED IN COMBINATION WITH OTHER DEVICES MEANING IS SIMILAR FOR THOSE DEVICE TYPES. REFER TO LIGHTING CONTROL DEVICE SCHEDULE FOR MORE INFORMATION. | | ALL EMPTY CONDUIT/RACEWAY SHALL BE INSTALLED WITH PULL STRINGS. TERMINATE CONDUIT STUB-UP WITH A BUSHING. EXPOSED CONDUIT/RACEWAY SHALL BE PAINTED TO MATCH ADJACENT SURFACE, UNLESS NOTED OTHERWISE. COORDINATE REQUIREMENTS WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION. CONDUITS/RACEWAYS SHALL BE CONCEALED FROM VIEW WHEREVER PRACTICABLE, UNLESS NOTED OTHERWISE CONDUITS SERVING ROOFTOP EQUIPMENT CONCEALED INSIDE EQUIPMENT CURB AND MINIMIZE ROOF PENETRAT EXTERIOR CONDUIT RUNS WHERE PRACTICABLE. SUPPORT RACEWAY FROM STRUCTURE, NOT ROOF DECK. MAIN MIN SPACING FROM BOTTOM OF ROOF DECK TO PREVENT ROOFING SCREWS FROM PENETRATING RACEWAY. DC ROUTE CONDUITS ACROSS SKYLIGHTS, ACCESS PANELS, HATCHED TILES, HVAC DIFFUSERS, OR EQUIPMENT WOI CLEARANCE SPACE. ROUTE ALL EXPOSED NON-FLEXIBLE CONDUITS TIGHT TO STRUCTURE, PARALLEL TO BUILDIN AND IN STRUT OR CABLE/PIPE TRAY WHERE PRACTICABLE. INSTALL CONDUITS PLUMB/ LEVEL WHERE EXPOSED T COORDINATE RACEWAY ROUTING AND INSTALLATION WITH OTHER TRADES PRIOR TO ROUGH-IN. |
| SPECIAL SYSTEMS SUPPLEMENTAL SPECIFICATIONS: PROVIDE NECESSARY BOXES, CONDUIT AND MAKE FINAL CONNECTION TEMPERATURE CONTROL DEVICES PER MANUFACTURER'S RECOMMEN THIS INCLUDES BUT IS NOT LIMITED TO: MAIN CONTROL PANELS, THERM HUMIDISTATS, AC SOLENOIDS, HEAT RECLAIM WIRING, AHU CONTROL Y FURNACE CONTROL WIRING, TIMERS, AND SIMILAR CONTROLS, PROVID FOR ALL WIRING WITHIN WALLS. PROVIDE CONTROL AND INTERLOCK W NOT PROVIDED BY OTHER TRADES PRIOR TO ROUGH-IN. PROVIDE LINE VOLTAGE WIRING AND MAKE FINAL CONNECTIONS TO AL MOUNTED SMOKE DETECTORS, FIRE/SMOKE AND SMOKE DAMPERS WH APPLICABLE. COORDINATE REQUIREMENTS WITH OTHER TRADES PRIO INSTALLATION. DEVICES MOUNTED ON ACOUSTICAL TILE CEILINGS SHALL BE CENTERE TILE, UNO. PROVIDE BOX AND [3/4"] CONDUIT FROM EACH THERMOSTAT LOCATION MECHANICAL EQUIPMENT, (FLUSH MOUNT BOX WHEREVER PRACTICAB COORDINATE LOCATION OF ALL THERMOSTAT BOXES WITH MECHANIC/ CONTRACTOR AND OWNER PRIOR TO ROUGH-IN. PROVIDE BOXES AND CONDUITS FOR THE FIRE PROTECTION SYSTEM L WIRING AS REQUIRED. THIS INCLUDES EXPOSED WIRING LESS THAN 96 MINIMUM, PROVIDE [3/4"] CONDUIT, UNLESS NOTED OTHERWISE. COOR REQUIREMENTS AND LOCATIONS WITH SYSTEM INSTALLER AND FIRE A SPECIFICATIONS. AT A MINIMUM, PROVIDE EXTRA DEEP, DOUBLE GANG COMMUNICATION BOXES, (FLUSH MOUNTED WHEREVER PRACTICABLE), WITH SINGLE-GAR RING AND [1"] CONDUIT STUBBED-UP CONCEALED TO ACCESSIBLE CEIL UNLESS NOTED OTHERWISE. PROVIDE SURFACE MOUNTED DATA BOXE CABINETRY, AND SELECT OTHER LOCATIONS AS INDICATED NATE BOXE CABINETRY, AND SELECT OTHER LOCATIONS AS INDICATED NTHE DATA BOXE CABINETRY, AND SELECT OTHER LOCATIONS AS INDICATED NTHE D COORDINATE TELEPHONE/DATA BOX AND CONDUIL LOCATIONS AND SI OWNER AND OTHER TRADES PRIOR TO ROUGH-IN. | DATIONS. (NSTATS, (IRING, DUCT) E CONDUITAN ACCESSIBLE PULLBOX BETWEEN EVERY 180 DEGREE 100' INTERVALS OF CONTINUOUS RUNS.(IRING, DUCT) E CONDUIT9. MINIMUM BEND RADIUS FOR COMMUNICATIONS CONDUI DIAMETER FOR CONDUITS 2" IN DIAMETER AND SMALLEF DIAMETER FOR CONDUITS GREATER THAN 2" IN DIAMETER AND RELATED WIRING IS TO BE PERFORMED BY OTHERS CONTRACT, UNLESS NOTED OTHERWISE. PROVIDE BOX AND RATED FLOORS/WALLS/CEILINGS TO ACCESSIBLE UOLTAGE WIRING. PROVIDE ALL LINE VOLTAGE CIRCUITI FURNISHED EQUIPMENT AND LOW VOLTAGE CIRCUITI FURNISHED EQUIPMENT AND LOW VOLTAGE STEP-DOW COORDINATE ELECTRICAL REQUIREMENTS AND LOCATI AND OWNER.1 TO LE). AL/CONTROLS11. ALL LOW VOLTAGE CLASS 2 OR 3 WIRING NOT IN CONDU WHERE APPLICABLE.1 TO LE). AL/CONTROLS11. ALL LOW VOLTAGE CLASS 2 OR 3 WIRING NOT IN CONDU WHERE APPLICABLE.1 TO LE). AL/CONTROLS11. ALL LOW VOLTAGE CABLE SHEATH LABELS AND RELATED M. REMAIN APPARENT IN ALL EXPOSED APPLICATIONS. PRO FROM PAINTING AND OVERSPRAY (INCLUDES CABLE NO IS IN CABLE TRAY).10 UTLET NG PLASTER ING PLASTER ING PLASTER S WITHIN AUNGS.13. CABLES SHALL BE ROUTED THROUGH THE BUILDING CA WHERE EXPOSED TO STRUCTURE UNLESS SPECIFICALLY PERMI WORKMAN LIKE MANNER IN ACCORDANCE WITH THE OV REQUIRED, PROVIDE CONDUIT TO ROUTE LOW VOLTAGE OR NEAREST ACCESSIBLE CEILING SPACE.225 WITH14. CONDUITS FOR COMMUNICATIONS OUTLETS SERVING E FACP, AND SIMILAR CRITICAL EQUIPMENT AS DESIGNATI CONTINUOUS ("HOMERUN") FROM OUTLET TO SERVING | DUIT SHALL BE INSTALLED WITH E CHANGE IN DIRECTION AND ATIS NOT AN EXHAUSTIVE LIST. PROJECT CODES, STANDARDS AND LOCAL REQU FOR ADDITIONAL REQUIREMENTS.T IS 6 TIMES THE INSIDE R AND 10 TIMES THE INSIDE ER, UNLESS NOTED OTHERWISE.ELECTRICAL CODE: 2017 NATIONAL EL BUILDING CODE: 2015 INTERNATIONAL ENERGY CODE: NOT ADOPTEDT, SOUND SYSTEM, SECURITY SOUNDER A SEPARATE ES AND CONDUIT IN FINISHED OCATIONS FOR ALL LOW RY (120V AND HIGHER) TO OWNER IN TRANSFORMERS AS REQUIRED. DNS WITH SYSTEM INSTALLERCOMMISSIONING / FUNCTIONAL RELATED TO THE CODE REQUIRED BU A COMMISSIONING PLAN, FUNCTIONAL REPORTS AND OWNER TRAINING. THIS 3RD PARTY REGISTERED DESIGN PRO TO THE LATEST ADOPTED EDITION OF INFORMATION. CONTRACTOR SHALL OT THE CADE CABLING T ROUTED IN CONDUIT AND THATBLE TRAY/RACEWAY SYSTEM, NOT BE ROUTED IN AREAS TTED BY THE OWNER. IN AREAS NSTALLED IN A NEAT AND (NER'S REQUIREMENTS. WHERE E CABLING TO THE CABLE TRAYLEVATOR EQUIPMENT ROOMS, ED BY THE OWNER SHALL BE | PLIANCE WITH THE FOLLOWING CODES. THIS SHALL COMPLY WITH ALL APPLICABLE UIREMENTS. REFER TO THE SPECIFICATIONS ECTRICAL CODE, (NFPA 70) BUILDING CODE AL TESTING ROVISIONS TO PROVIDE ALL SERVICES ILDING SYSTEMS COMMISSIONING INCLUDING TESTING, AND RELATED DOCUMENTATION, INCLUDES RETAINING THE SERVICES OF A FESSIONAL OR APPROVED AGENCY. REFER THE APPLICABLE ENERGY CODE FOR MORE COMPLETE ALL RELATED COMMISSIONING | | COORDINATE RACEWAY ROUTING AND INSTALLATION WITH OTHER TRADES PRIOR TO ROUGH-IN. WHERE PRACTICABLE, ALL UNDER-FLOOR/UNDER-GROUND CONDUITS/RACEWAY SHALL BE INSTALLED A MINIMUM BELOW BOTTOM OF SLAB/PAVING/GRADE, UNLESS NOTED OTHERWISE, NOTE: THE DESIGN INTENT FOR INSTALLIN ELECTRICAL CIRCUITRY AT THIS DEPTH IS TO PROTECT THE ELECTRICAL CIRCUITRY FROM DAMAGE DUE TO FUTU WORK. PROVIDE LABEL AT EACH RECEPTACLE COVER PLATE WITH THE RESPECTIVE "PILBD-CKT#" DESIGNATION. COORE LABEL AT EACH RECEPTACLE COVER PLATE WITH THE RESPECTIVE "PILBD-CKT#" DESIGNATION. COORE LABEL REQUIREMENTS WITH THE OWNER PRIOR TO INSTALLATION. REFER TO THE SPECIFICATIONS FOR MORE INFORMATION. MULTIWIRE BRANCH CIRCUITS ARE NOT ALLOWED, UNLESS NOTED OTHERWISE. PROVIDE INSULATED EQUIPMENT GROUNDING CONDUCTOR FOR ALL CIRCUITS, UNLESS NOTED OTHERWISE. |



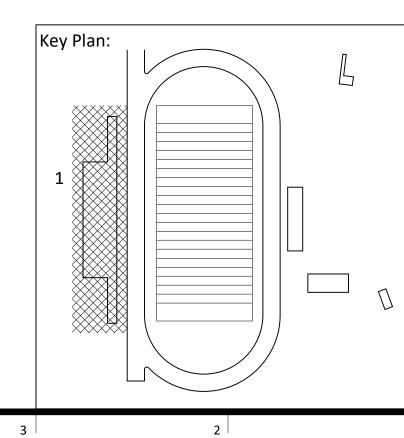


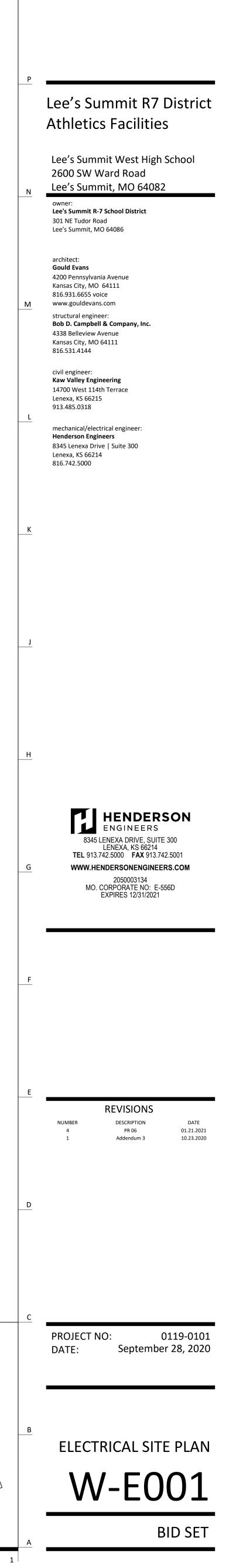
SITE ELECTRICAL GENERAL NOTES:

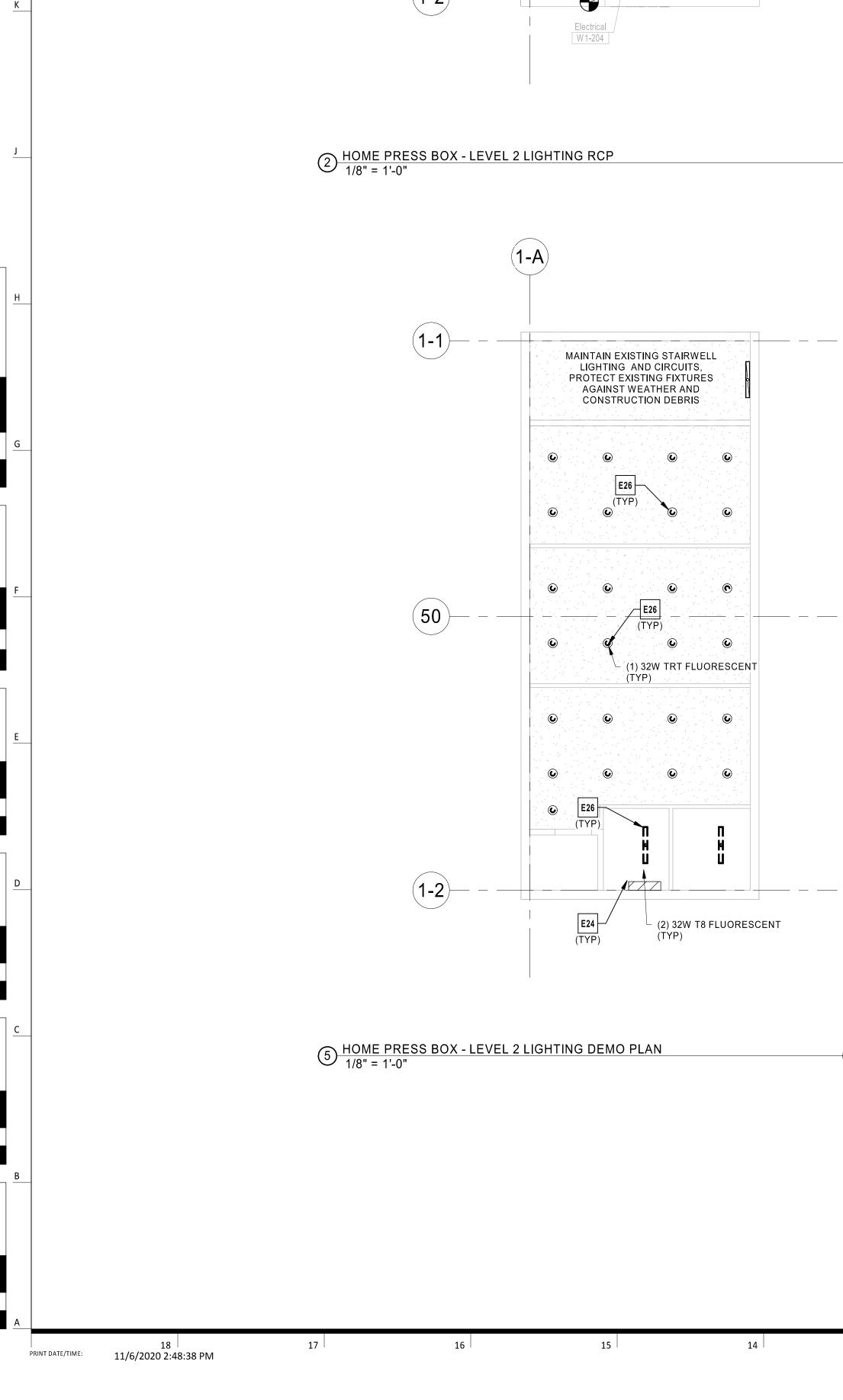
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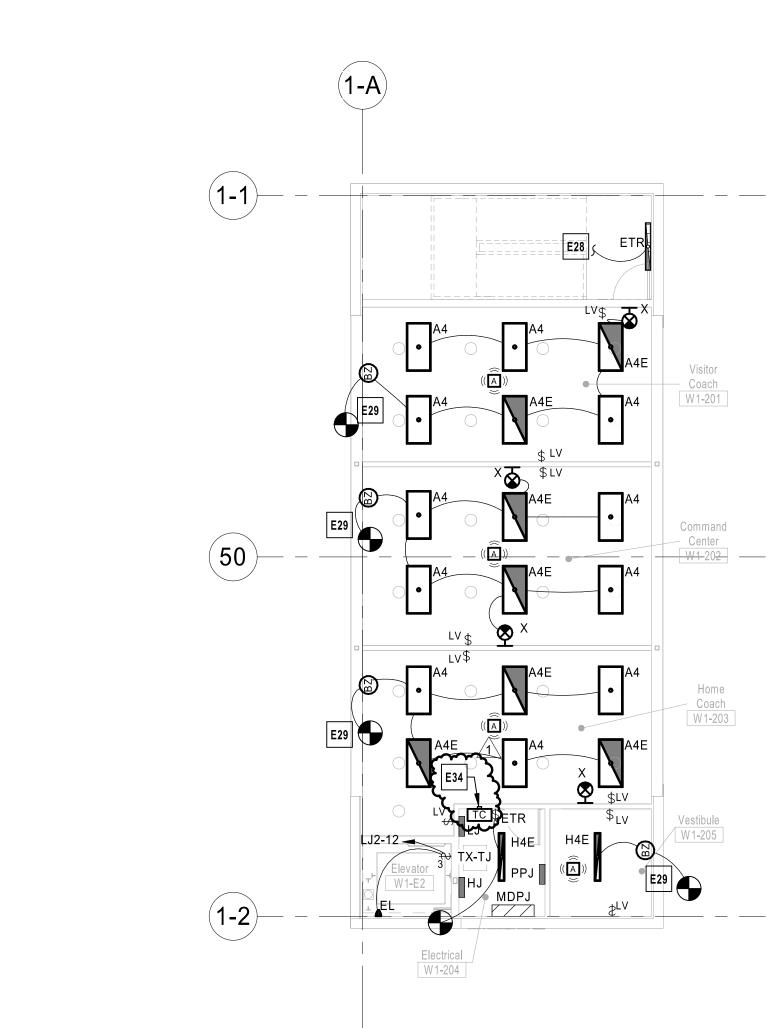
- 1. REFER TO CIVIL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION. COORDINATE THE FINAL LOCATION OF ALL SITE LIGHTING POLES, SIGNAGE, UNDERGROUND UTILITIES, CONDUITS, CIRCUITRY, TRANSFORMERS AND OTHER EQUIPMENT WITH CIVIL DRAWINGS, LANDSCAPING DRAWINGS AND OWNER PRIOR TO INSTALLATION.
- 2. COORDINATE ALL SITE ELECTRICAL REQUIREMENTS WITH EQUIPMENT MANUFACTURER INFORMATION AND OTHER TRADES AND ADJUST ELECTRICAL PROVISIONS AS REQUIRED TO MEET REQUIREMENTS.
- 3. SITE ELECTRICAL CONDUITS SHALL BE 1" MINIMUM, UNLESS NOTED OTHERWISE. WHERE PRACTICABLE, ALL SITE ELECTRICAL CONDUITS SHALL BE INSTALLED A MINIMUM OF 24" BELOW GRADE, UNLESS NOTED OTHERWISE. COORDINATE FINAL CONDUIT ROUTING WITH EXISTING OBSTRUCTIONS AND OTHER TRADES AND ADJUST AS NECESSARY.
- 4. CAP AND MARK ALL UNDERGROUND CONDUITS PROVIDED FOR FUTURE USE AND INCLUDE PULL STRINGS. PROVIDE DIMENSIONED LOCATIONS OF TERMINATION POINTS ON AS-BUILT DRAWINGS AND SUBMIT TO OWNER.
- 5. MINIMUM WIRE SIZE FOR SITE ELECTRICAL CIRCUITS SHALL BE #10 AWG CU, UNLESS NOTED OTHERWISE.
- 6. PROVIDE SPLICE AND PULL BOXES FOR SITE LIGHTING AND SITE ELECTRICAL POWER TO LIMIT MAXIMUM CONDUIT RUN TO 300'. PLACE BOXES IN A PLANTER AREA CLEAR OF VEGETATION WHEREVER PRACTICABLE; (COORDINATE FINAL LOCATION WITH CIVIL, LANDSCAPE CONTRACTOR AND OWNER). BOXES SHALL BE SUITABLE FOR LOCATION AND PROPERLY SIZED FOR QUANTITY AND SIZE OF CONDUITS IN AND OUT AND SHALL BE MARKED "ELECTRICAL". NOT ALL OF THESE BOXES ARE SHOWN ON SITE ELECTRICAL DRAWINGS; CONTRACTOR SHALL PROVIDE LOCATION ON AS-BUILT DRAWINGS AND SUBMIT TO OWNER. SPLICE BOX SHALL BE APPROPRIATE FOR LOCATION AND SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS. SPLICE BOX SHALL HAVE A MINIMUM

NOMINAL SIZE OF 12"X12"X12", SHALL BE AN OPEN BOTTOM NRTL LISTED UNDERGROUND ENCLOSURE, AND SHALL AT A MINIMUM BE TIER 15 TRAFFIC RATED.









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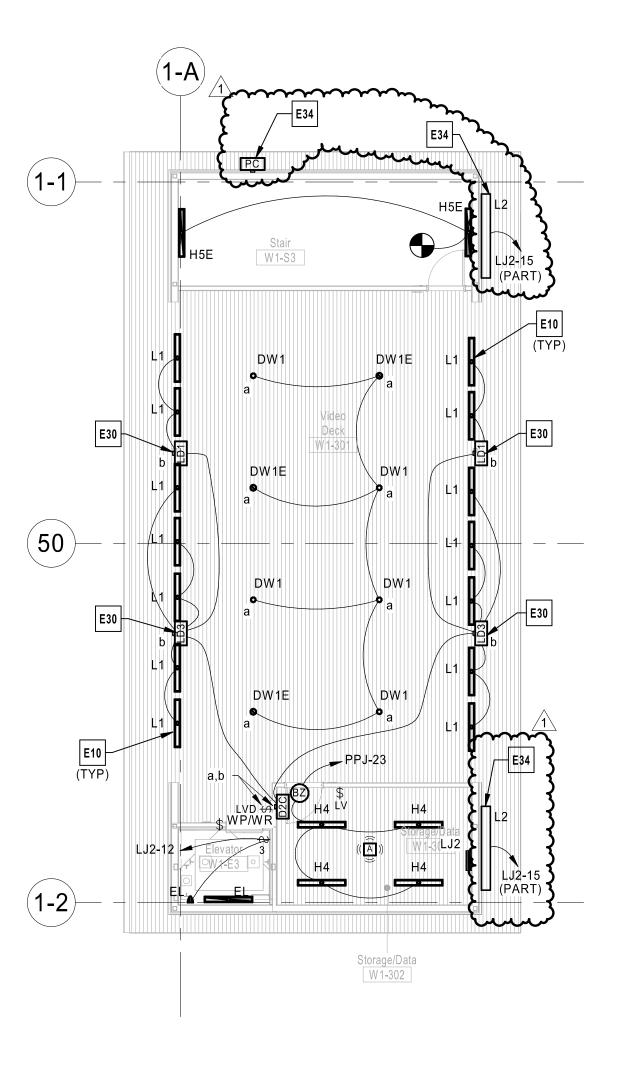
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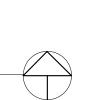
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HOME PRESS BOX - LEVEL 3 LIGHTING RCP 1/8" = 1'-0"





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1/8" = 1'-0"

N.I.C.

J2-12

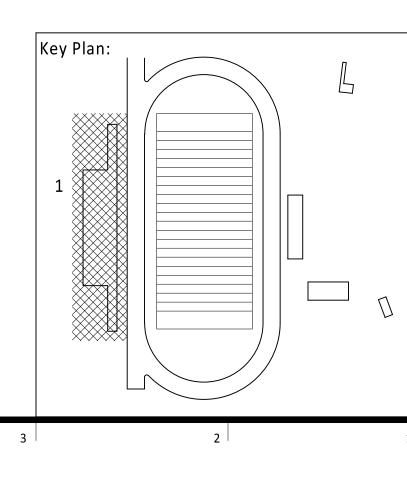
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| 6 | 5 | | 4 | 3 | 2 |
|---|--|--|----------|---|---|
| 1. H5E F | CTRICAL GENERAL NOTI IXTURES ARE CONTROLLED BY OR AND EXISTING STAIREWELL | INTEGRAL OCCUPANCY | | 1. REFER TO THE ARCH LOCATIONS, MOUNTIN ADDITIONAL MOUNTIN RESPONSIBLE FOR IN ISSUES ARE RESOLVI | MENTAL SPECIFICATIONS: ITECTURAL DRAWINGS FOR LIGHT FIXTURE NG HEIGHTS, TRACK LENGTHS AND NG INFORMATION. CONTRACTOR SHALL BE ISURING THAT COORDINATION AND CONFLICT ED PRIOR TO INSTALLATION OF LIGHT ARCHITECT/ENGINEER IMMEDIATELY IF ANCIES. |
| LEVEL 2 LEVEL 2 | CTRICAL LIGHTING LOAD | VED: 1056VA | | CEILINGS, IS NOT PEF WHIP TO A JUNCTION LENGTHS TO ALLOW WITHIN A 5'-0" RADIUS SHALL NOT EXCEED 6 3. ALL EMERGENCY LIGI BATTERY BACK-UP SH UNSWITCHED CONDU AND CONTACTORS, U SHALL NOT BE SWITC INSTRUCTIONS FOR F BATTERY TO CHARGE | F RECESSED LIGHT FIXTURES, IN SUSPENDED RMITTED. CONNECT EACH LIGHT FIXTURE BY A I BOX. PROVIDE CABLE WHIPS OF SUFFICIENT FOR RELOCATING EACH LIGHT FIXTURE S OF ITS INDICATED LOCATION. CABLE WHIPS 6'-0" OF UNSUPPORTED LENGTHS. HTS AND EXIT SIGNS WITH INTEGRAL HALL BE CONNECTED TO A SEPARATE JCTOR BYPASSING ALL OTHER CONTROLS JNLESS NOTED OTHERWISE. EXIT SIGNS CHED. REFER TO MANUFACTURER'S WRITTEN PROPER INSTALLATION AND TESTING. ALLOW E FOR A MINIMUM OF 48 HOURS BEFORE G. IN ORDER TO PREVENT BATTERY DAMAGE. |
| E10 MOUNT BEAM. INTENE LOCATI E24 ROOF I | TRICAL PLAN NOTES: TAPE LIGHT TO THE FACE OF T MOUNT AS LOW ON BEAM AS PC ED TO GRAZE THE ROOF. COOF ON WITH STRUCTURAL MEMBEF S BEING REMOVED: CONTRACTO IG ELECTRICAL PANELS TRANSF | SSIBLE. FIXTURE DINATE EXACT RS. DR TO PROTECT | | DO NOT TURN OFF PC AFTER EMERGENCY I 4. PROVIDE A NEUTRAL VOLTAGE LIGHT SWIT NEUTRAL TERMINATIC CAP CONDUCTOR AN | OWER FOR EXTENDED PERIODS OF TIME LIGHT HAS BEEN POWERED. CONDUCTOR TO ALL WALL MOUNTED LINE ICHES, UNLESS NOTED OTHERWISE. IF ON IS NOT REQUIRED FOR THE DEVICE THEN ID TAG AS "NEUTRAL FOR FUTURE USE". |
| DURING AND CO MAINTA CIRCUI E26 EXISTIN CIRCUI FIXTUR E28 CONNE CONTR | IENT FROM CONSTRUCTION DEI CONSTRUCTION. RE-WORK EX NDUCTORS FOR EQUIPMENT AS IN EXISTING ELECTRICAL SYST CONNECTIONS. IG LEVEL 2 LIGHT FIXTURES TO TO BE REUSED IN PROJECT SC ES. CT EXISTING STAIRWELL CIRCU OLS TO NEW FIXTURES ON LEVE GHTING LEVEL 2 TO BE INSTALL | XISTING CONDUITS S REQUIRED TO EM AND BRANCH BE DEMOED AND COPE FOR NEW LIGHT IT AND LIGHTING EL ABOVE. | | OWNER AND ADJUST SETTINGS MUST COM REQUIREMENTS. 6. DO NOT INSTALL OCC AIR DIFFUSER OR SIM AFFECT THE SENSOR SENSOR LOCATIONS | CUPANCY/VACANCY SENSOR SETTINGS WITH AS NECESSARY FOR PROPER OPERATION. MPLY WITH AHJ AND LOCAL ENERGY CODE CUPANCY/VACANCY SENSORS WITHIN 48" OF MILAR OBSTRUCTION THAT MAY ADVERSLY R PERFORMANCE. COORDINATE FINAL WITH OTHER TRADES AND INSTALL IN MANUFACTURER'S RECOMMENDATIONS. |
| CONDIT FIXTUR CIRCUI CONDU E30 24V LEI 0-10V D DRIVEF SPECIF OF DRI L E34 FIXTUR COORE MOUNT WITH C MANUF ARCHIT ANY WO TIME C | INATE EXACT FIXTURE LAYOUT IONS AND NEW DROP CEILING. ES AND EXIT SIGNS TO EXISTING TREWORK AND EXTEND EXISTI CTORS TO PROVIDE LIGHTING (D TAPE LIGHT TYPE 'L1' TO BE FE IMMING (1) AND (3) OUTPUT 277 S. REFER TO LIGHT FIXTURE SC ICATIONS. COORDINATE PLACEI /ERS WITH FIXTURE LENGTHS. ACTURER'S SPECIFICATIONS. E TO LIGHT SIGNAGE/GRAPHIC (INATE EXACT MOUNTING LOCATIONS AND E TO LIGHT SIGNAGE/GRAPHIC (INATE EXACT MOUNTING LOCATIONS) WNER, SIGNAGE SHOP DRAWIN ACTURER'S SPECIFICATIONS AND ECT/ARCHITECTURAL PLANS PE ORK. CONTROL VIA PHOTOCELL OCK. TIMECLOCK TO BE LOCATIONS (COORDINATE PROGRAMMING () | CONNECT NEW LIGHT G LEVEL 2 LIGHTING NG CONDUITS AND CONTROLS AS SHOWN ED FROM NEMA-3R /24V 96W LED HEDULE FOR DRIVER MENT AND NUMBER INSTALL PER ON FACADE. TON, EXACT REQUIREMENTS GS, LIGHTING ID RIOR TO BEGINNING AND ASTRONOMICAL ED IN ELECTRICAL | } | PROVIDE AN INITIAL F 0.1 FC MINIMUM AND I THE EMERGENCY EG AIMING OF EMERGEN ILLUMINATION AT FLO AFTER STORE SET-UF 2. WALL MOUNTED EXIT FRAME AND CENTERE OTHERWISE. CEILING SUSPENDED TO 12'-0' STRUCTURE, AT BOTTON FINISHED CEILING | GHTING SYSTEM HAS BEEN DESIGNED TO FLOOR ILLUMINANCE LEVEL OF 1 FC AVERAGE, NO MORE THAN A 40:1 MAX/MIN RATIO ALONG RESS PATHS. WHERE APPLICABLE, ADJUST ICY LIGHTS AS REQUIRED TO PROVIDE PROPER DOR AVOIDING OBSTACLES AND SHADOWS |

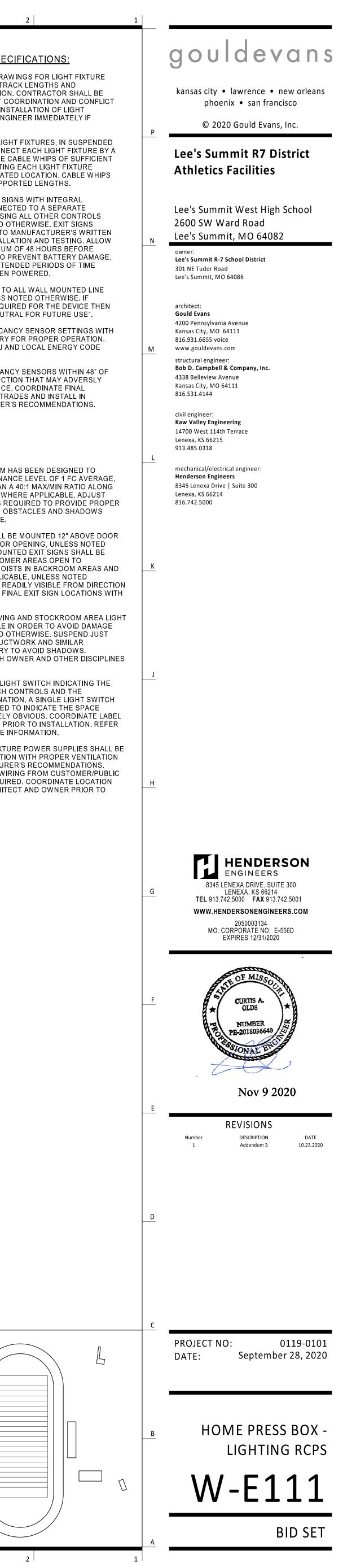
3. SUSPEND BACK OF HOUSE, RECEIVING AND STOCKROOM AREA LIGHT FIXTURES AS HIGH AS PRACTICABLE IN ORDER TO AVOID DAMAGE DURING STOCKING, UNLESS NOTED OTHERWISE. SUSPEND JUST BELOW REFRIGERATION PIPING, DUCTWORK AND SIMILAR OBSTRUCTIONS WHERE NECESSARY TO AVOID SHADOWS. COORDINATE REQUIREMENTS WITH OWNER AND OTHER DISCIPLINES PRIOR TO INSTALLATION.

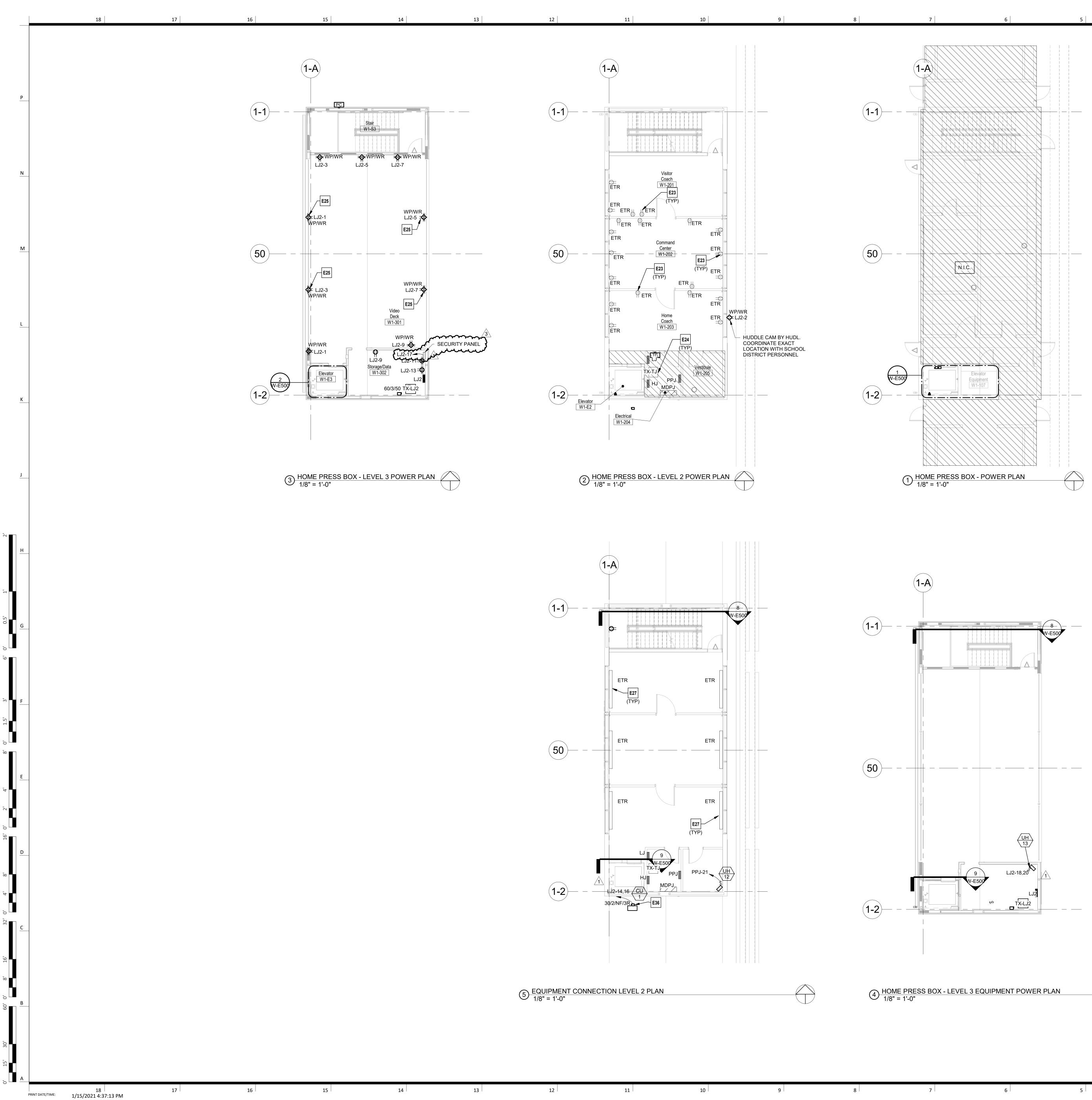
AHJ AND OWNER.

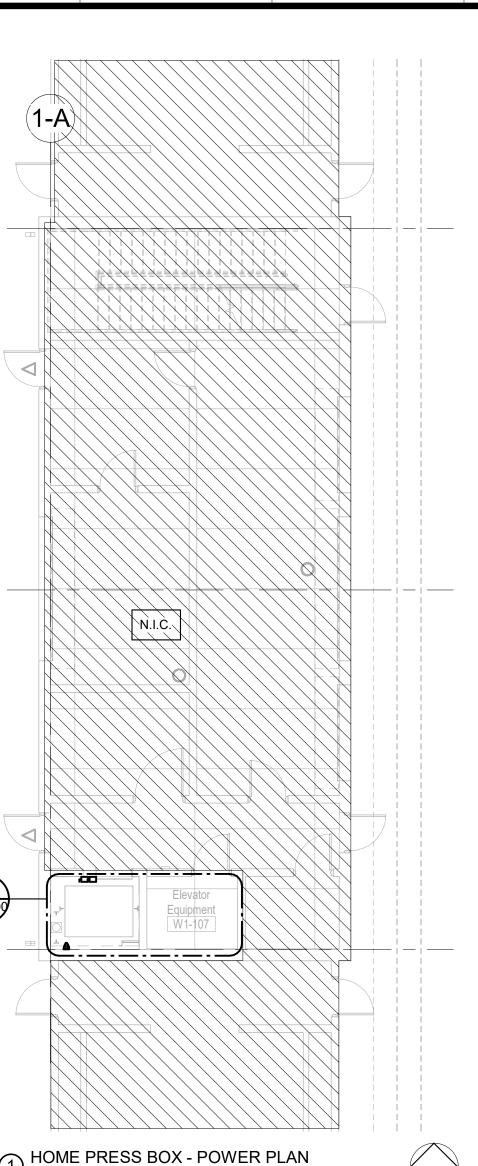
- 4. PROVIDE LABEL AT EACH MANUAL LIGHT SWITCH INDICATING THE LIGHT FIXTURE(S) THAT THE SWITCH CONTROLS AND THE RESPECTIVE "PNLBD-CKT#" DESIGNATION. A SINGLE LIGHT SWITCH FOR A SMALL ROOM DOES NOT NEED TO INDICATE THE SPACE CONTROLLED SINCE IT IS INTUITIVELY OBVIOUS. COORDINATE LABEL REQUIREMENTS WITH THE OWNER PRIOR TO INSTALLATION. REFER TO THE SPECIFICATIONS FOR MORE INFORMATION.
- 5. ALL REMOTELY LOCATED LIGHT FIXTURE POWER SUPPLIES SHALL BE LOCATED IN AN ACCESSIBLE LOCATION WITH PROPER VENTILATION IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CONCEAL DEVICES AND RELATED WIRING FROM CUSTOMER/PUBLIC VIEW. PROVIDE ENCOSURE IF REQUIRED. COORDINATE LOCATION AND ENCLOSURE TYPE WITH ARCHITECT AND OWNER PRIOR TO INSTALLATION.



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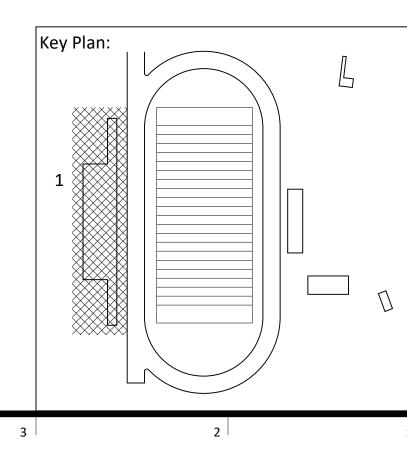


ELECTRICAL GENERAL NOTES:

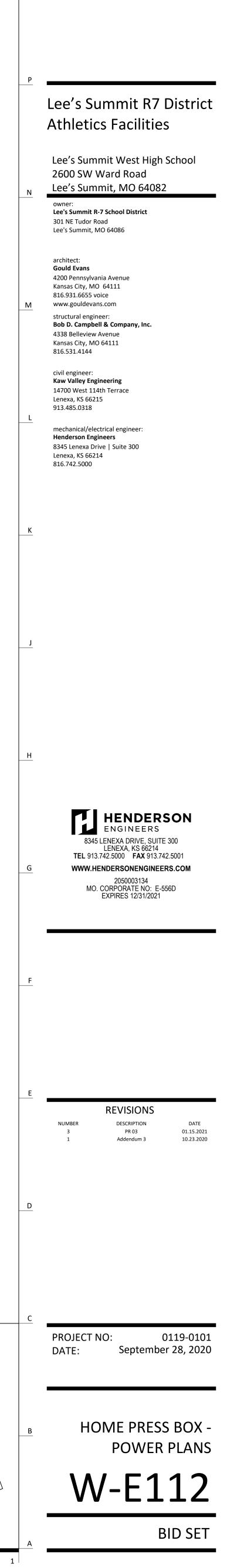
REFER TO SHEET W-E500 FOR ELEVATOR AND ELECTRICAL EQUIPMENT PLANS.

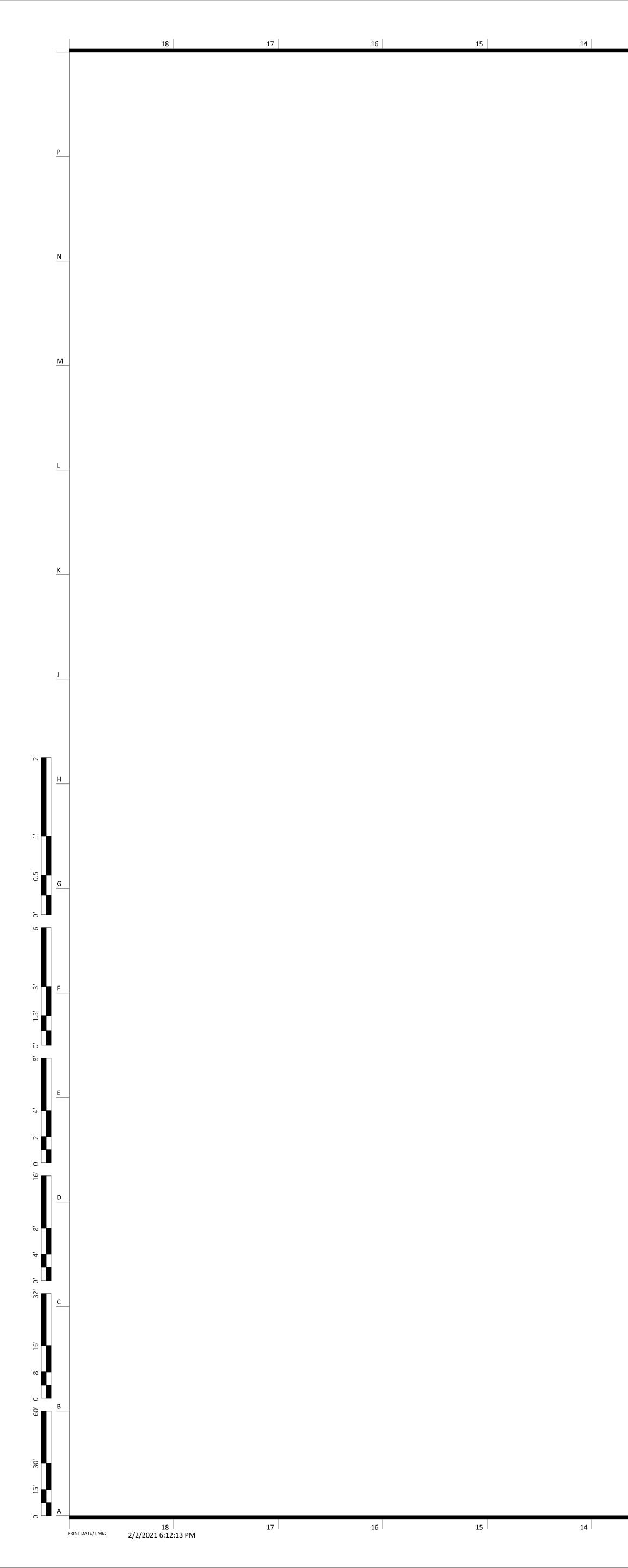
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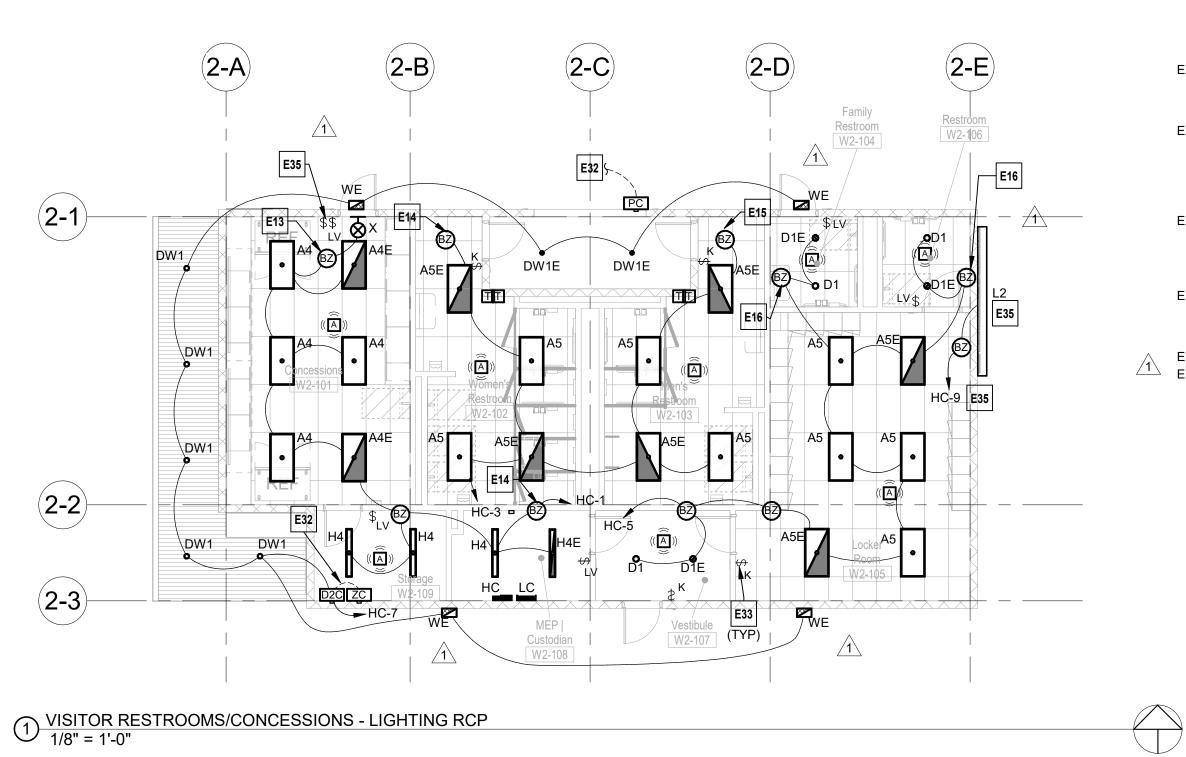
- E23 ROOF IS BEING REMOVED: CONTRACTOR TO MAINTAIN EXISTING LEVEL 2 RECEPTACLE LOCATIONS AND CIRCUITING. REWORK EXISTING CONDUITS AND WIRING AS REQUIRED TO MAINTAIN EXISTING RECEPTACLE CIRCUITS.
- E24 ROOF IS BEING REMOVED: CONTRACTOR TO PROTECT EXISTING ELECTRICAL PANELS TRANSFORMERS AND EQUIPMENT FROM CONSTRUCTION DEBRIS AND WEATHER DURING CONSTRUCTION. RE-WORK EXISTING CONDUITS AND CONDUCTORS FOR EQUIPMENT AS REQUIRED TO MAINTAIN EXISTING ELECTRICAL SYSTEM AND BRANCH CIRCUIT CONNECTIONS.
- E25 VIDEO DECK RECEPTACLE TO BE SURFACE MOUNTED ON COLUMN. RECEPTACLE WILL NEED TO SHARE SPACE WITH DATA OUTLETS ON COLUMN. COORDINATE CONDUIT ROUTING , RECEPTACLE PLACEMENT AND INSTALLATION REQUIREMENTS WITH TECHNOLOGY PLANS, ARCHITECTURAL PLANS AND FIELD CONDITIONS.
- E27 MAINTAIN EXISTING CIRCUIT CONNECTIONS FOR EXISTING BASEBOARD HEATERS. REWORK EXISTING CONDUITS AND CONDUCTORS IF REQUIRED. E36 CU-1/FCU-1 EQUIPMENT CONTAINS A SINGLE POINT OF
- CONNECTION AT CU-1. PROVIDE CONDUIT FOR CONNECTION BETWEEN FCU-1 AND CU-1 FOR EQUIPMENT INTERCONNECTION SIZED PER EQUIPMENT MANUFACTURER'S SPECIFICATIONS.

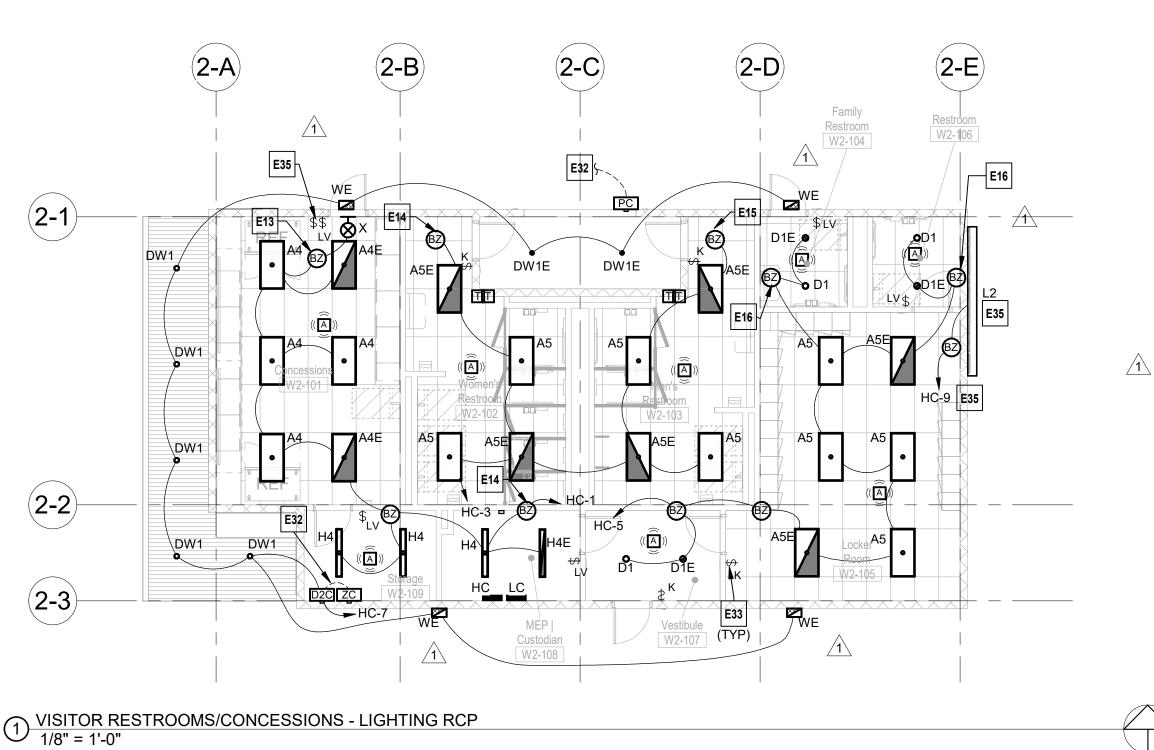


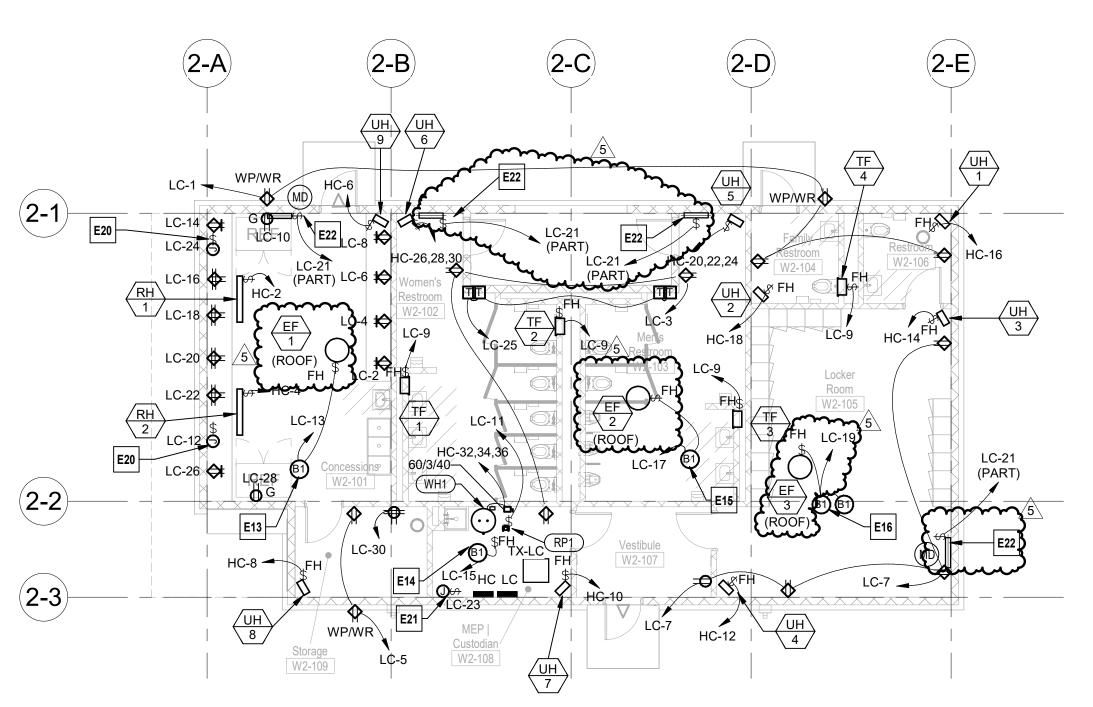
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2 VISITOR RESTROOMS/CONCESSIONS - POWER PLAN 1/8" = 1'-0"

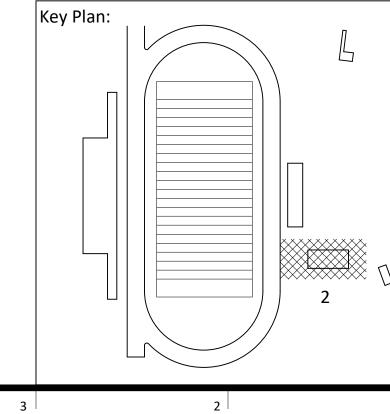
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- **ELECTRICAL PLAN NOTES:**
- E13 EXHAUST FAN EF-1 TO BE CONTROLLED VIA CONCESSIONS 2-101 ROOM OCCUPANCY SENSOR IN CONJUNCTION WITH ROOM LIGHTS. PROVIDE ADDITIONAL POWER PACK AND CONNECT TO LOW VOLTAGE LIGHTING CONTROL WIRING
- PER MANUFACTURER'S SPECIFICATIONS. E14 EXHAUST FAN EF-2 TO BE CONTROLLED VIA WOMEN'S RESTROOM 2-102 OCCUPANCY SENSOR IN CONJUNCTION WITH ROOM LIGHTS. PROVIDE ADDITIONAL POWER PACK AND CONNECT TO LOW VOLTAGE LIGHTING CONTROL WIRING PER MANUFACTURER'S SPECIFICATIONS.
- E15 EXHAUST FAN EF-3 TO BE CONTROLLED VIA MEN'S RESTROOM 2-103 ROOM OCCUPANCY SENSOR IN CONJUNCTION WITH ROOM LIGHTS. PROVIDE ADDITIONAL POWER PACK AND CONNECT TO LOW VOLTAGE LIGHTING CONTROL WIRING PER MANUFACTURER'S SPECIFICATIONS. E16 EXHAUST FAN EF-4 TO BE CONTROLLED VIA FAMILY RESTROOM 2-104 AND RESTROOM 2-106 OCCUPANCY
- SENSORS IN CONJUNCTION WITH ROOM LIGHTS. PROVIDE (2) ADDITIONAL POWER PACKS IN PARALLEL AND CONNECT TO LOW VOLTAGE LIGHTING CONTROL WIRING PER MANUFACTURER'S SPECIFICATIONS. E20 CONTRACTOR TO ROUGH-IN POWER AND CONTROLLER FOR
- CONCESSION STAND TICKETING WINDOW COILING DOORS. COORDINATE INSTALLATION REQUIREMENTS WITH EQUIPMENT MANUFACTURER'S SPECIFICATIONS. E21 CONTRACTOR TO PROVIDE JUNCTION BOX AND 120V
- CONTROL POWER FOR HEATER DDC CONTROLS TRANSFORMER. COORDINATE EXACT LOCATION AND QUANTITY OF CONNECTIONS WITH MECHANICAL CONTRACTOR AND EQUIPMENT MANUFACTURER'S SPECIFICATIONS.
- E22 CONTRACTOR TO PROVIDE JUNCTION BOX AND 120V CONTROL POWER FOR LOUVER MOTOR OPERATED DAMPERS. COORDINATE EXACT LOCATION AND QUANTITY OF CONNECTIONS WITH MECHANICAL CONTRACTOR AND EQUIPMENT MANUFACTURER'S SPECIFICATIONS. E32 CONNECT LOW VOLTAGE WIRE TO ZONE CONTROLLER IN ROOM W2-109 TO PROVIDE PHOTO CELL AND TIME CLOCK
- CONTROL. REFER TO DETAIL 5 ON SHEET W-E700 FOR MORE INFORMATION. E33 PROVIDE KEYED SWITCH ON LOAD SIDE OF POWER PACK. E35 CONCESSION STAND ILLUMINATED SIGN. COORDINATE
 - EXACT MOUNTING LOCATION, EXACT MOUNTING HEIGHT AND INSTALLATION REQUIREMENTS WITH OWNER, SIGNAGE SHOP DRAWINGS, LIGHTING MANUFACTURER'S SPECIFICATIONS AND ARCHITECT/ARCHITECTURAL PLANS PRIOR TO BEGINNING ANY WORK. CONTROL SIGN VIA SLAVE POWER PACK AND LOW VOLTAGE AND CONCESSIONS ROOM W2-101 OCCUPANCY SENSORS. PROVIDE LINE VOLTAGE SWITCH AFTER POWER PACK IN SERIES WITH ILLUMINATED SIGN TO ACT AS A MASTER OVERRIDE SWITCH.



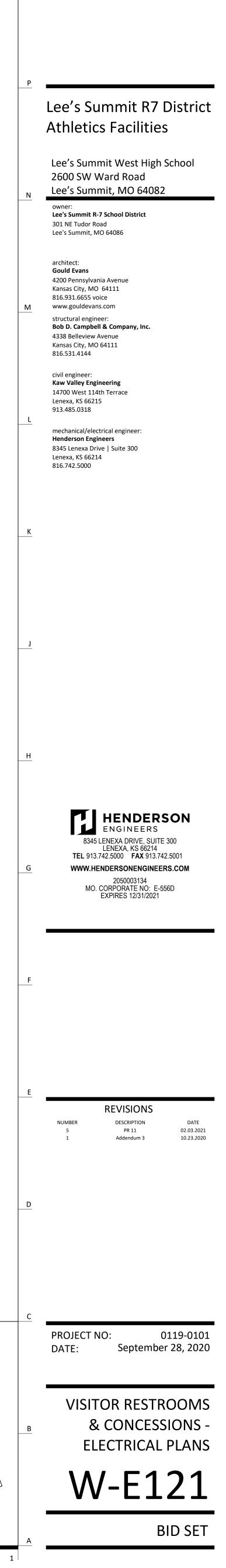


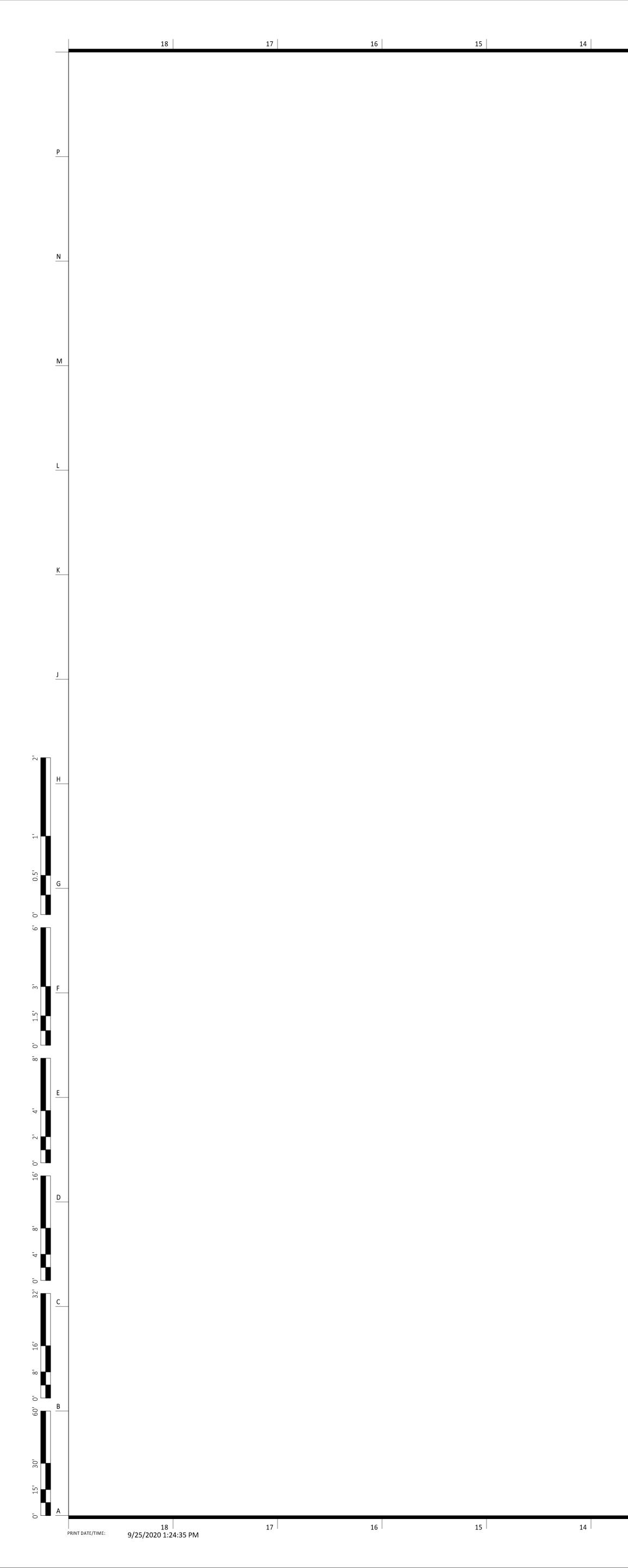
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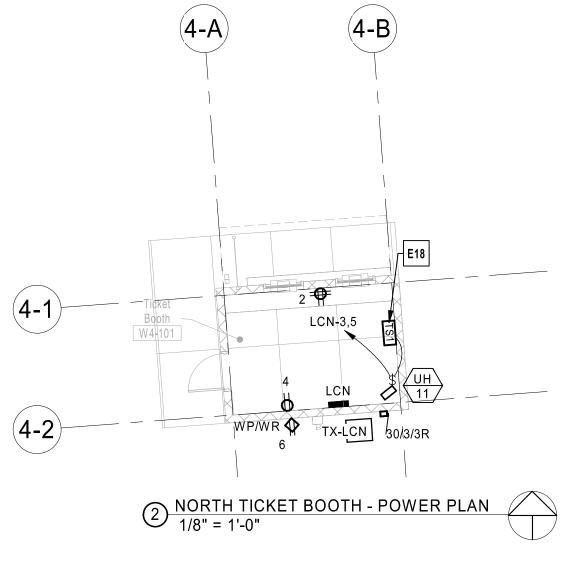
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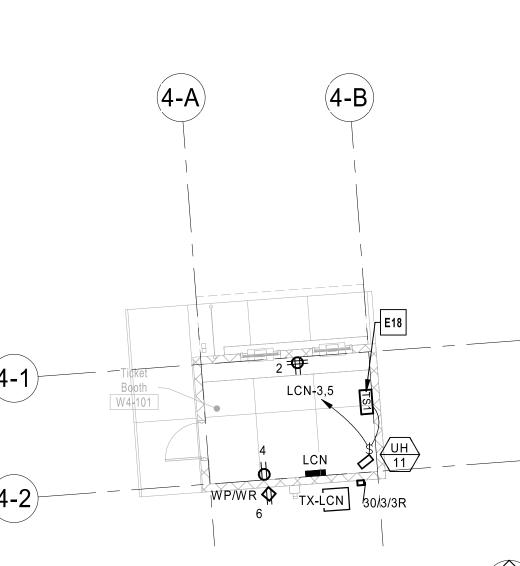


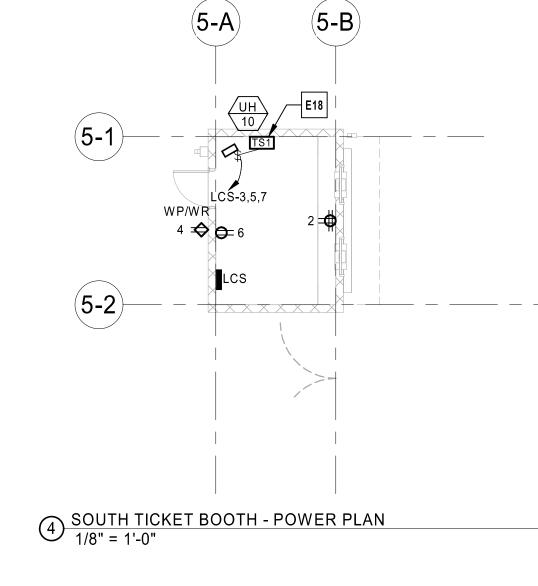
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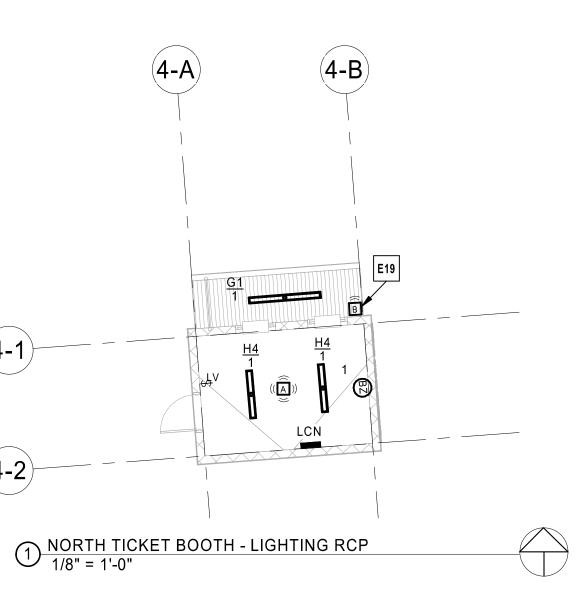






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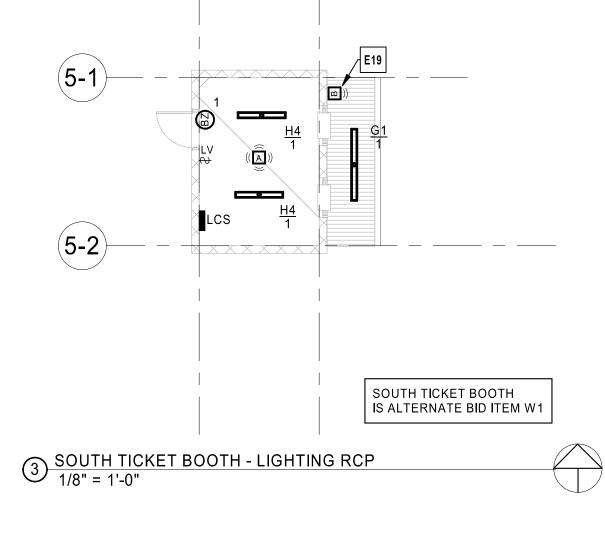
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(**5-B**[\]

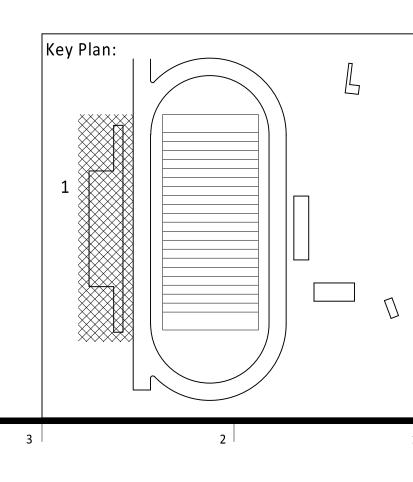
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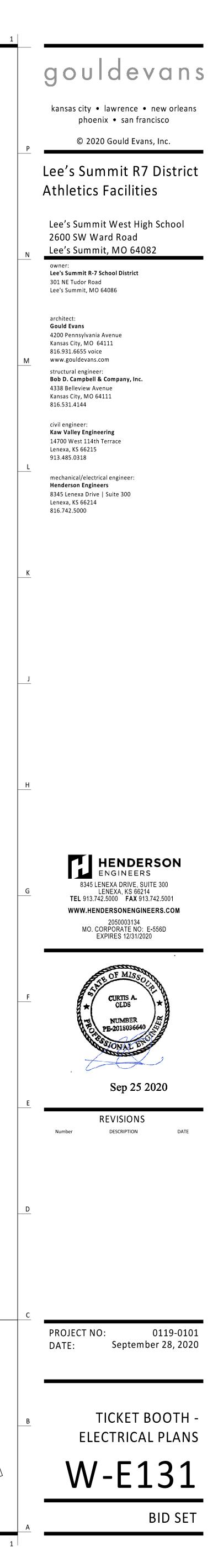
ELECTRICAL GENERAL NOTES:

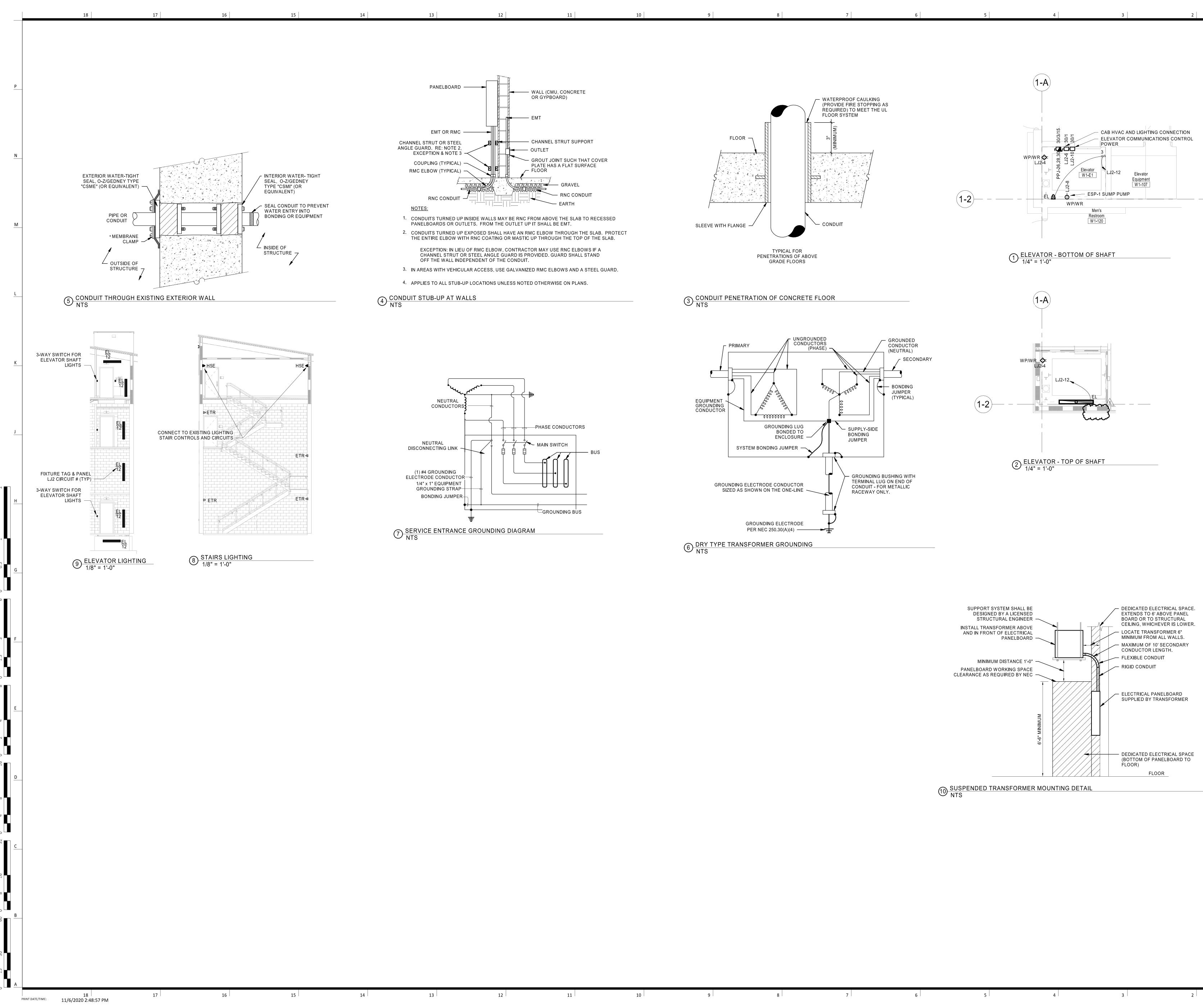
- LIGHTING IS TO BE CIRCUITED BACK TO 208/120V PANEL 1. LOCATED IN THE SAME BULIDING THE LIGHTING IS LOCATED IN UNLESS OTHERWISE NOTED. CIRCUIT AS NOTED IN FIXTURE TAG.
- 2. ALL WIRING DEVICES ARE CIRCUITED TO 208/120V PANEL IN SAME BUILDING. CIRCUIT AS NOTED BY NUMBER ADJACENT TO DEVICE.
- LIGHTING CONTROL DEVICES SHALL CONTROL ALL LIGHTING ASSOCIATED WITH THE TICKET BOOTH. REFER 3. TO DETAIL 2 ON SHEET W-E700 FOR MORE INFORMATION.

ELECTRICAL PLAN NOTES:

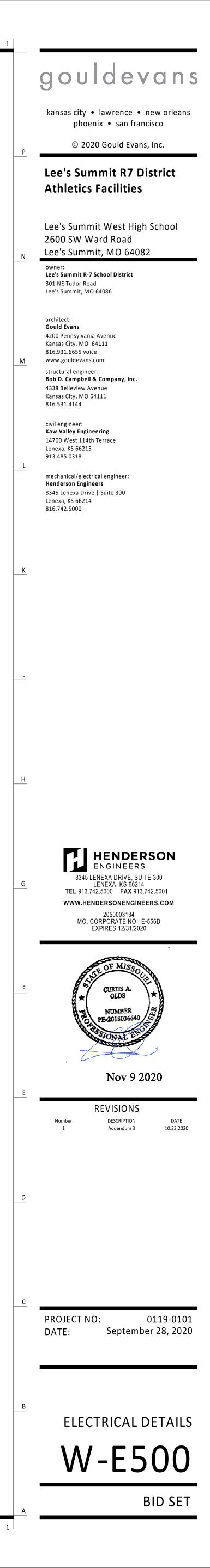
- E18 CONTRACTOR TO PROVIDE 70AB SERIES HEAVY DUTY TIMER AND LINE VOLTAGE CONTROLS WIRING FOR MANUAL CONTROL OF UNIT HEATER. COORDINATE REQUIRED TIME LENGTH WITH OWNER.
- E19 PROVIDE WATTSTOPPER CB-100 LOW TEMPERATURE OCCUPANCY SENSOR OR EQUIVALENT.

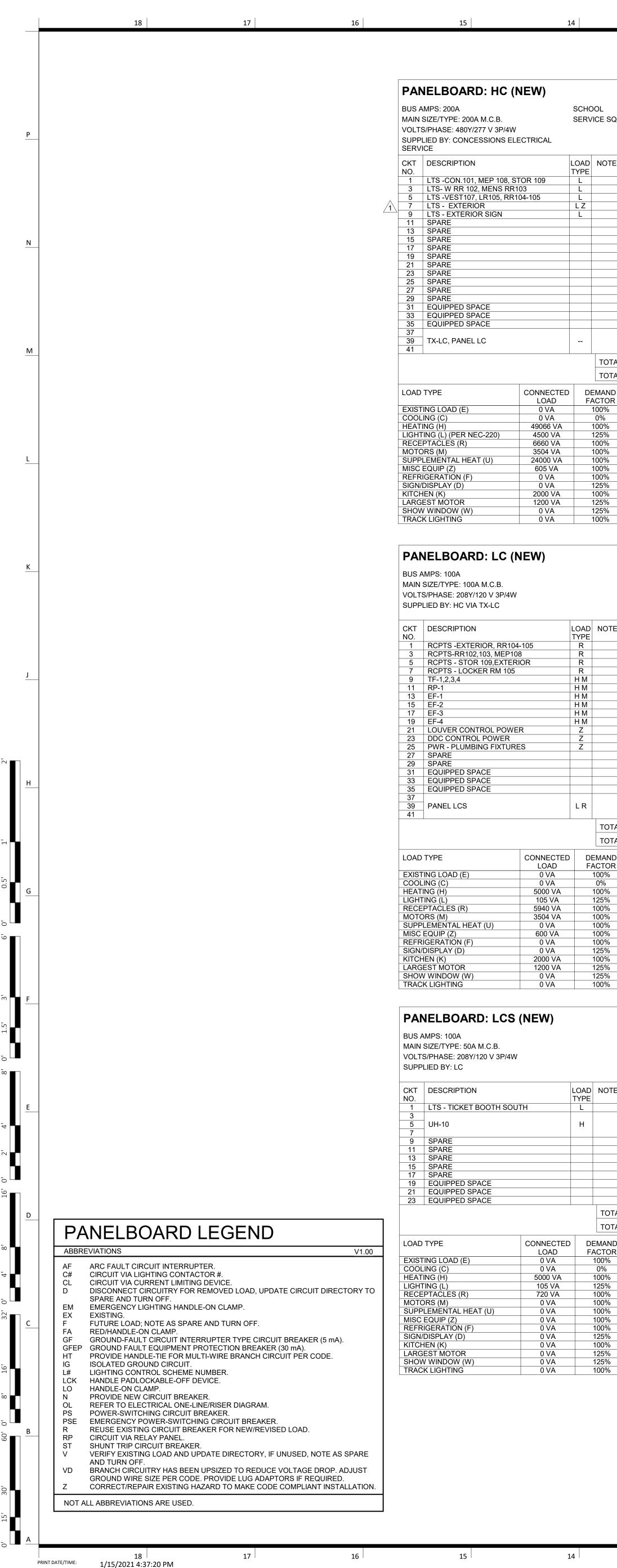












| SIZE AMP A B C AMP SIZE | | PANELBOARD: LCN (NEW)BUS AMPS: 100AMAIN SIZE/TYPE: 50A M.C.B.VOLTS/PHASE: 208Y/120 V 3P/4WSUPPLIED BY: HC VIA TX-LCNCKTDESCRIPTIONNO.LOAD TYPE | SIZE AMP A B C | EQUIPMENT GROUND BUS LINE-SIDE LUGS: MECHANICAL P BKR WIRE NOTES LOAD TYPE DESCRIPTION CKT NO. |
|--|--|--|--|---|
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | TOTAL LOAD TYPE CONNECTED DEMAND LOAD FACTOR EXISTING LOAD (E) 0 VA 100% | NEC DEMAND PANELBOARD NOTES 0 VA | 1 20 12 R RCPTS - TICKETING WINDOW 2 1 20 12 R RCPT - GEN 4 1 20 12 R RCPT - EXTERIOR 6 1 20 12 R RCPT - EXTERIOR 6 1 20 12 R RCPT - EXTERIOR 6 1 20 SPARE 10 10 1 20 SPARE 10 12 1 20 SPARE 12 12 1 20 SPARE 14 12 1 20 SPARE 14 14 1 EQUIPPED SPACE 16 18 1 EQUIPPED SPACE 20 22 1 EQUIPPED SPACE 22 1 EQUIPPED SPACE 24 |
| OK OK< | L R Z TX-LCN, PANEL LCN 40 42 42 42 | COOLING (C) 0 VA 0% HEATING (H) 3001 VA 100% LIGHTING (L) 105 VA 125% RECEPTACLES (R) 720 VA 100% MOTORS (M) 0 VA 100% SUPPLEMENTAL HEAT (U) 0 VA 100% MISC EQUIP (Z) 0 VA 100% REFRIGERATION (F) 0 VA 100% SIGN/DISPLAY (D) 0 VA 100% LARGEST MOTOR 0 VA 100% SHOW WINDOW (W) 0 VA 125% TRACK LIGHTING 0 VA 100% | 0 VA 3001 VA 131 VA 720 VA 0 VA | TOTAL NEC LOAD 3852 VA TOTAL CONNECTED CURRENT 11 A TOTAL NEC DEMAND CURRENT 11 A |
| FAULT CURRENT: REFER TO ONE-LINE AIC RATED: FULLY RATED AIC RATING: FCA +10% MINIMUM SERVES: Concessions MOUNTING: SURFACE LOCATION: MEP Custodian W2-108 | EQUIPMENT GROUND BUS | PANELBOARD: PPJ (EXISTING) BUS AMPS: 150A MAIN SIZE/TYPE: MLO VOLTS/PHASE: 480Y/277 V 3P/4W SUPPLIED BY: MDP.I | FAULT CURRENT: AIC RATED: FULLY RATED AIC RATING: FCA +10% MINIMUM SERVES: PRESS BOX MOUNTING: SURFACE | EQUIPMENT GROUND BUS |
| SIZE AMP A B C AMP SIZE AMP | R RCPTS - AC, CON 101-1 2 R RCPTS - AC, CON 101-2 4 R RCPTS - AC, CON 101-3 6 R RCPTS - AC, CON 101-3 6 R RCPTS - AC, CON 101-4 8 GF K REFRIGERATOR - CON 101 10 H M COILING DOOR TICKETING 12 R RCPT - CON 101 TICKET AC 14 R RCPT - CON 101 TICKET 1 16 R RCPT - CON 101 TICKET 2 18 R RCPT - CON 101 TICKET 3 20 R RCPT - CON 101 TICKET 4 22 H M COILING DOOR TICKETING 24 R RCPT - CON 101 TICKET AC 26 | SUPPLIED BY: MDPJ CKT DESCRIPTION LOAD NOTES 1 EXISTING LOAD - | SIZE AMP A B C A 20 1 1000 3000 3000 3000 1 20 1 200 1 3000 3000 3000 1 20 1 3000 3000 3000 3000 1 1 20 1 3000 3000 3000 3000 1 1 20 1 3000 3000 3000 3000 1 1 1 20 1 3000 3000 3000 3000 1 | LINE-SIDE LUGS: MECHANICAL P BKR WIRE NOTES LOAD DESCRIPTION CKT 1 20 EUH-7 ETR 2 1 <t< td=""></t<> |
| 0% 2000 VA 5% 1500 VA 5% 0 VA 0% 0 VA FAULT CURRENT: REFER TO ONE-LINE AIC RATED: FULLY RATED | EQUIPMENT GROUND BUS | PANELBOARD: LJ2 (NEW) BUS AMPS: 100A MAIN SIZE/TYPE: 100A M.C.B. VOLTS/PHASE: 208Y/120 V 3P/4W SUPPLIED BY: PPJ VIA TX-LJ2 | FAULT CURRENT:REFER TO ONE-LINEAIC RATED:FULLY RATEDAIC RATING:FCA +10% MINIMUMSERVES:PRESSBOXMOUNTING:SURFACELOCATION:Storage/Data W1-302 | EQUIPMENT GROUND BUS |
| AIC RATING: FCA +10% MINIMUM SERVES: TICKET BOOTH SOUTH MOUNTING: SURFACE LOCATION: Ticket Booth W5-101 NOTES WIRE BKR P PHASE PHASE PHASE PHASE P BKR WIR 12 20 1 105 360 1 20 1 1 20 1 1 20 1 1 20 1 1 | LINE-SIDE LUGS: MECHANICAL E NOTES LOAD DESCRIPTION CKT NO. R RCPTS - TICKETING 2 R RCPTS - EXTERIOR 4 R RCPTS - GEN INTERIOR 6 SPARE 10 SPARE 10 SPARE 10 SPARE 14 SPARE 16 EQUIPPED SPACE 20 EQUIPPED SPACE 20 EQUIPPED SPACE 24 | CKT NO. DESCRIPTION LOAD TYPE NOTES 1 RCPTS - VIDEO DECK 1 R 3 RCPTS - VIDEO DECK 2 R 5 RCPTS - VIDEO DECK 3 R 7 RCPTS - VIDEO DECK 4 R 9 RCPTS - VIDEO DECK 5/STOR R 11 RCPTS - IT STOR/DATA 1 R 13 RCPTS - IT STOR/DATA 2 R 17 PWR-SECURITY PANEL Z 19 SRABE Z 21 SPARE Z 23 SPARE Z 24 SPARE Z 25 SPARE Z 29 SPARE Z 31 EQUIPPED SPACE Z 33 EQUIPPED SPACE Z 33 EQUIPPED SPACE Z 33 EQUIPPED SPACE Z 34 EQUIPPED SPACE Z 35 EQUIPPED SPACE Z 39 EQUIPPED SPACE Z 39 EQUIPPED SPACE Z 39 EQUIPPED SPACE Z | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | LINE-SIDE LUGS: MECHANICAL BKR WIRE NOTES LOAD DESCRIPTION CKT 20 12 Z HUDL CAM 2 20 12 R RCPTS - ELEVATOR SHAFT 4 20 12 LOO Z ELEVATOR CAB LTS/EF 6 20 12 LO Z ELEVATOR COMMUNICATIONS POWER 10 20 12 LO L LTS - ELEVATOR SHAFT 12 20 12 LO L LTS - ELEVATOR SHAFT 12 20 12 LO L LTS - ELEVATOR SHAFT 12 20 12 LO L LTS - ELEVATOR SHAFT 12 20 12 LO L LTS - ELEVATOR SHAFT 12 20 12 LO L TS - ELEVATOR SHAFT 12 20 12 HZ UH-13 18 20 20 SPARE 26 20 SPARE 28 20 SPARE 30 20 SPARE 30 20 |
| 00% 0 VA 00% 0 VA 00% 5000 VA 25% 131 VA 00% 0 VA 25% 0 VA 00% 0 VA 25% 0 VA 00% 0 VA 00% 0 VA 00% 0 VA | TOTAL CONNECTED LOAD5825 VATOTAL NEC LOAD5851 VATOTAL CONNECTED CURRENT16 ATOTAL NEC DEMAND CURRENT16 A | TOTALLOAD TYPECONNECTED LOADDEMAND FACTOREXISTING LOAD (E)0 VA100%COOLING (C)2288 VA0%HEATING (H)3000 VA100%LIGHTING (L)1284 VA125%RECEPTACLES (R)3420 VA100%MOTORS (M)0 VA100%SUPPLEMENTAL HEAT (U)0 VA100%MISC EQUIP (Z)2000 VA100%SIGN/DISPLAY (D)0 VA100%KITCHEN (K)0 VA100%LARGEST MOTOR1176 VA125%SHOW WINDOW (W)0 VA100% | AMPS: 51 A 25 A 38 A NEC DEMAND PANELBOARD NOTES 0 VA 0 VA< | PANELBOARD TOTALSTOTAL CONNECTED LOAD13168 VATOTAL NEC LOAD11495 VATOTAL CONNECTED CURRENT37 ATOTAL NEC DEMAND CURRENT32 A |

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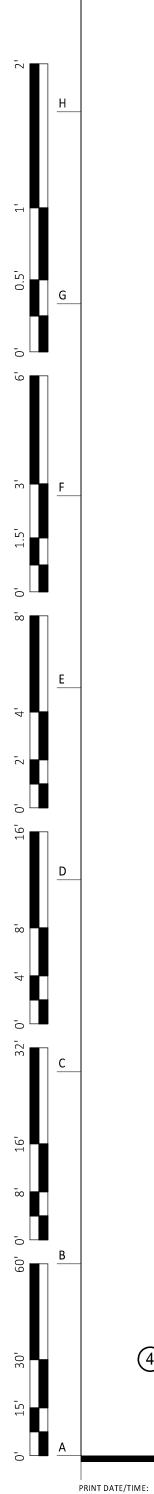
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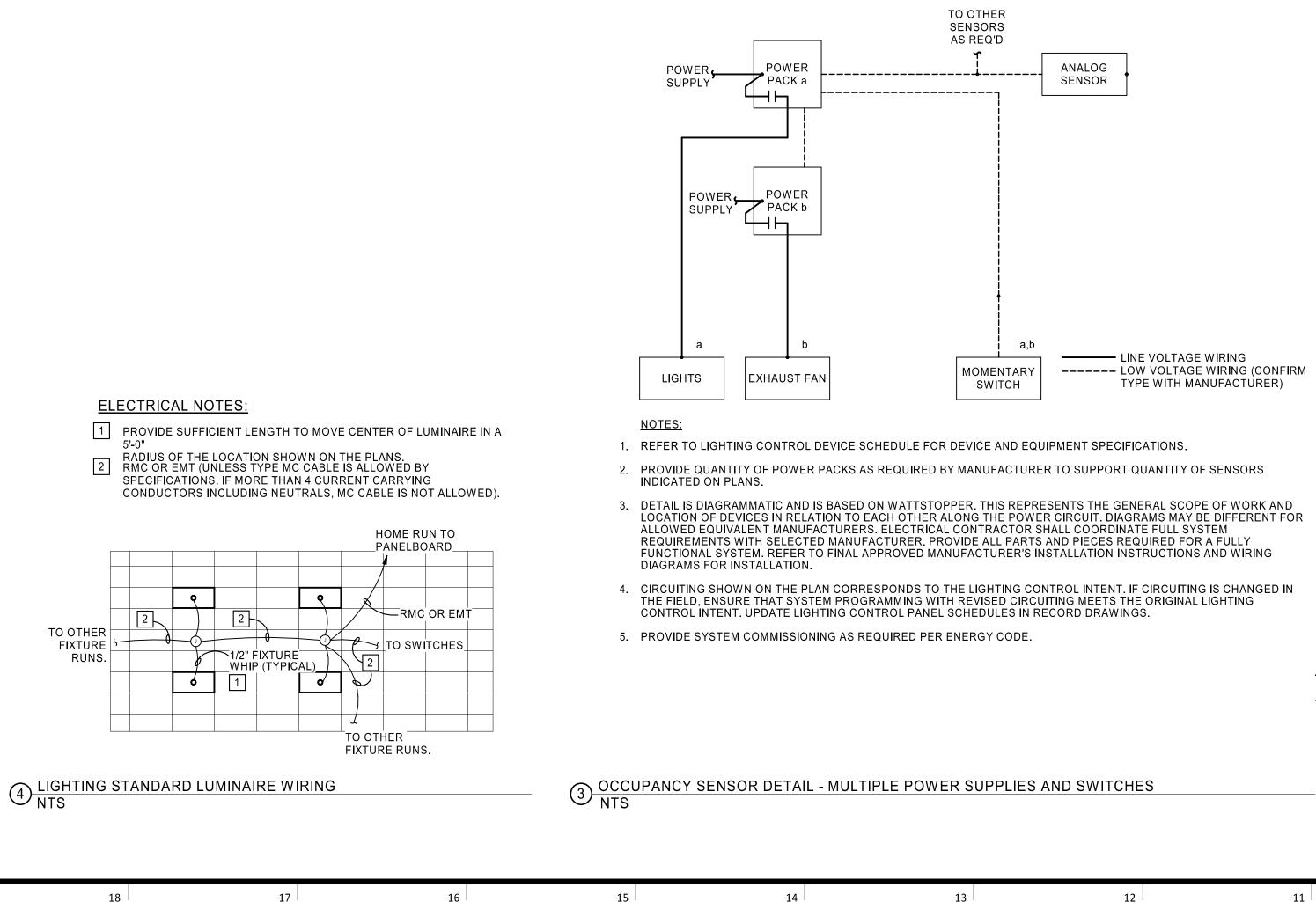
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Lee's Summit R7 District **Athletics Facilities** Lee's Summit West High School 2600 SW Ward Road Lee's Summit, MO 64082 owner: Lee's Summit R-7 School District 301 NE Tudor Road Lee's Summit, MO 64086 architect: Gould Evans 4200 Pennsylvania Avenue Kansas City, MO 64111 816.931.6655 voice www.gouldevans.com M structural engineer: Bob D. Campbell & Company, Inc. 4338 Belleview Avenue Kansas City, MO 64111 816.531.4144 civil engineer: Kaw Valley Engineering 14700 West 114th Terrace Lenexa, KS 66215 913.485.0318 mechanical/electrical engineer: Henderson Engineers 8345 Lenexa Drive | Suite 300 Lenexa, KS 66214 816.742.5000 HENDERSON ENGINEERS 8345 LENEXA DRIVE, SUITE 300 LENEXA, KS 66214 TEL 913.742.5000 FAX 913.742.5001 WWW.HENDERSONENGINEERS.COM 2050003134 MO. CORPORATE NO: E-556D EXPIRES 12/31/2021 |<u>∕1∖</u> REVISIONS NUMBER DESCRIPTION DATE PR 03 01.15.2021 3 10.23.2020 Addendum 3 PROJECT NO: 0119-0101 September 28, 2020 DATE: ELECTRICAL SCHEDULES W-E600 **BID SET**

| | | | STAND-ALONE LOW-VOLTAGE LIGHTING CONTROL SYSTEMS | | | |
|--------------------------------------|--|---|---|---|-------------|------|
| SYMBOL | MANUFACTURER | ALTERNATE | STAND-ALONE LOW-VOLTAGE OCCUPANCY SENSORS | COVERAGE | | |
| TAG | MODEL/SERIES | MANUFACTURER | | (WXD) | VOLTAGE | NOTE |
| | LEGRAND DT-300 | ACUITY, COOPER HUBBELL, LEVITON | CEILING MOUNT DUAL TECHNOLOGY OCCUPANCY SENSOR. 360 DEGREE COVERAGE. LOW VOLTAGE. ISOLATED RELAY. | PIR MAJOR 36' Ø PIR MINOR 25' Ø ULT 36' x 36' | 24 | |
| | LEGRAND CB-100 | ACUITY, COOPER HUBBELL | CEILING/WALL MOUNT PASSIVE INFRARED OCCUPANCY SENSOR. 90 DEGREE COVERAGE. LOW VOLTAGE. GASKETED AND WATERTIGHT. RATED FOR -40 DEGREES FAHRENHEIT. | MAJOR 50' Ø MINOR 25' Ø | 24 | |
| 0)////DO | | | STAND-ALONE LOW-VOLTAGE PHOTOELECTRIC SWITCHES | | | |
| SYMBOL TAG | MANUFACTURER MODEL/SERIES | ALTERNATE MANUFACTURER | DEVICE DESCRIPTION | | VOLTAGE | NOTE |
| PC | LEGRAND EM-24D2 | ACUITY HUBBELL LEVITON | EXTERIOR LOW-VOLTAGE PHOTOELECTRIC SWITCH. FACE SENSOR NORTH A VERTICALLY. 0-15 FC. | ND ORIENT | 24 | |
| | | | STAND-ALONE LOW-VOLTAGE POWER PACKS | | | |
| SYMBOL TAG | MANUFACTURER MODEL/SERIES | ALTERNATE MANUFACTURER | DEVICE DESCRIPTION | | VOLTAGE | NOTE |
| (BZ) | LEGRAND | ACUITY, COOPER | POWER PACK FOR LOW VOLTAGE OCCUPANCY SENSORS. 20A LOAD. (1) REL | AY. MANUAL- | 120/ | |
| | BZ-250 | HUBBELL, LEVITON | AND AUTO-ON MODES. HOLD-ON AND -OFF INPUTS. LOAD: 16A AT 120V OR 277 OUTPUT: 225mA AT 24V. PLENUM RATED. | 7V. | 277 | |
| B1 | LEGRAND C SERIES | ACUITY, COOPER HUBBELL, LEVITON | POWER PACK FOR LOW VOLTAGE OCCUPANCY SENSORS. 20A LOAD. (2) REL AND AUTO-ON MODES. HOLD-ON AND -OFF INPUTS. LOAD: 16A AT 120V OR 277 OUTPUT: 225mA AT 24V. PLENUM RATED. CONTRACTOR TO PROVIDE CORRECT VOLTAGE FOR APPLICATION. | | 120/ 277 | |
| D2C | LEGRAND LMRC-212 | ACUITY, COOPER HUBBELL, LEVITON | ROOM CONTROLLER FOR LOW VOLTAGE OCCUPANCY SENSORS. 20A LOAD. (MANUAL AND AUTO-ON MODES. HOLD-ON AND -OFF INPUTS. LOAD: 16A AT 120 OUTPUT: 225mA AT 24V. PLENUM RATED. 0-10V DIMMING CONTROL. | , | 120/ 277 | |
| SYMBOL | MANUFACTURER | ALTERNATE | STAND-ALONE LOW-VOLTAGE SWITCHES | | | |
| TAG | MODEL/SERIES | MANUFACTURER | DEVICE DESCRIPTION | | VOLTAGE | NOTE |
| \$ ^{LV} | LEGRAND DCC2 | ACUITY, COOPER HUBBELL, LEVITON | MOMENTARY 1-BUTTON DECORATOR SWITCH FOR MANUAL ON/OFF CONTROL ALONE LOW-VOLTAGE OCCUPANCY SENSORS. INTEGRAL LED ILLUMINATES W ON. | | 24 | |
| \$ ^{LVD} | LEGRAND LMSW-104 | ACUITY, COOPER HUBBELL, LEVITON | 4-BUTTON LOW VOLTAGE SWITCH FOR ON/OFF AND DIMMING CONTROL OF 2 | RELAYS. | 24 | |
| | | | AUXILIARY NETWORK LIGHTING EQUIPMENT | | | |
| SYMBOL TAG | MANUFACTURER MODEL/SERIES | ALTERNATE MANUFACTURER | DEVICE DESCRIPTION | | VOLTAGE | NOTE |
| ZC | LEGRAND LMCZ-301 | ACUITY, CRESTRON ETC, HUBBELL | ZONE CONTROLLER. ASTRONOMIC TIMECLOCK. 99 LIGHTING GROUPS. BACNE COMPATIBLE. (2) RJ45 PORTS. SURFACE MOUNTED. PLENUM RATED. PROVIDE POWER BOOSTERS AS REQUIRED PER SYSTEM DESIGN. | | 120/ 277 | |
| COLUMN, A | CY SENSOR LAYOUT DES | TITIES AND LOCATIONS P | DESIGN COVERAGE PATTERNS. IF SUBMITTING ALTERNATE PER 'EQUIVALENT I ER MANUFACTURER-SPECIFIC SPACING CRITERIA. T REVIEW THAT INCLUDE PRODUCT CUTSHEETS AND PROJECT-SPECIFIC LAYOU | | | |
| INCLUDING DEVICES S CEILING MO | BUT NOT LIMITED TO H UCH AS SPEAKERS, SEC DUNTED DEVICES). ALS | IVAC SUPPLY AND RETUR CURITY CAMERAS, PROJ O PROVIDE SCHEMATICS | ON, AND COVERAGE AREAS. SHOW COORDINATION WITH ALL OTHER CEILING D RN GRILLES, SPRINKLERS, LIGHT FIXTURES, AND OTHER OWNER-PROVIDED CEI ECTORS, ETC. (SENSORS MAY BE ADVERSELY AFFECTED IF LOCATED TOO CLOS 3 AND SCHEDULES WHEN APPLICABLE. PARATE OF ANY LIGHT FIXTURE PRICING. | LING MOUNTED | | |



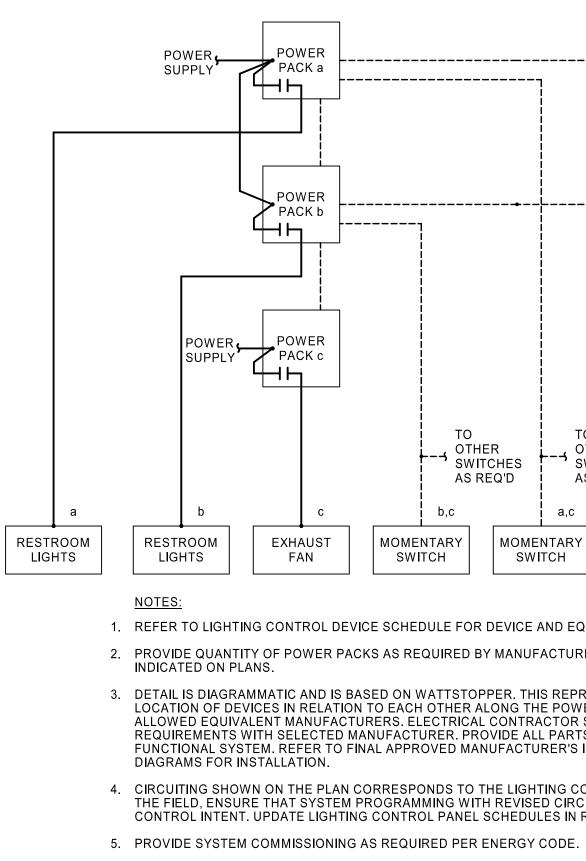


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| | | | | LAMPING / | | | | | | |
|------|--------------------|--|---|--------------------|-----------------|---------|----------------|----------|---|-----|
| TYPE | MANUFACTURER | MODEL | APREQUEDEDAULALENTS | LIGHT SOURCE | DIMMING TYPE | VOLTAGE | INPUT WATTS | INPUT VA | DESCRIPTION | NOT |
| A4 | HE WILLIAMS | | COLUMBIA LIGHTING LLT24 SERIES LITHONIA LIGHTING GTL SERIES | LED 3500K 80CRI | 0-10V | UNV | 25 | 28 | 2'x4' RECESSED LED TROFFER. 3300 LUMEN. 3500K. | |
| A4E | HE WILLIAMS | 50-*CEILING*-2-4-L33-80-35-AF12125-EN /10W-DIM-UNV | - | LED 3500K 80CRI | 0-10V | UNV | 25 | 28 | SAME AS A4 WITH INTEGRAL 10W BATTERY BACK UP TO OPERATE FOR A MINIMUM OF 90 MINUTES. | |
| A5 | HE WILLIAMS | 50-G-2-4-L33-80-35-AF12125-DIM-UNV | COLUMBIA LIGHTING LLT24 SERIES LITHONIA LIGHTING GTL SERIES | LED 3500K 80CRI | 0-10V | UNV | 48 | 54 | 2'x4' RECESSED LED TROFFER. 5900 LUMEN. 3500K. | |
| A5E | HE WILLIAMS | 50-G-2-4-L33-80-35-AF12125-EM/10W-D M-UNV | - | LED 3500K | 0-10V | UNV | 48 | 54 | SAME AS A3 WITH INTEGRAL 10W BATTERY BACK UP. TO OPERATE FOR A MINIMUM OF 90 MINUTES. | |
| D1 | COOPER LIGHTING | INISH | CALIBER COMMERCIAL 4SFK/4SFL2X SERIES GOTHAM EVO SERIES ACUITY BRANDS INDY LLP4/LLPRM4 SERIES | LED 3500K 80CRI | 0-10V | UNV | 21 | 23 | 4" RECESSED DOWNLIGHT. 2000 LUMEN OUTPUT. WET LOCATION LISTED. | |
| D1E | COOPER LIGHTING | LDS4B-20-D010-EU4B-102035-4LBCS-1-I INISH- EM DRIVER: ASSURANCE EM LIGHTING L16-C | - | LED 3500K 80CRI | 0-10V | UNV | 21 | 23 | SAME AS D1 WITH INTEGRAL 7W BATTERY BACK UP. TO OPERATE A MINIMUM OF 90 MINUTES. | |
| DW1 | COOPER LIGHTING | LSR2B-15-WFL55-80-35-D010-CANOPY | HUBBELL LIGHTING PRESCOLITE LTC-3RDW GOTHAM 4" INCITO SERIES LITHONIA LIGHTING LDN4CYL SERIES | LED 3500K 80CRI | 0-10V | UNV | 26 | 29 | 4.5" SURFACE MOUNTED WET LOCATION LISTED DOWNLIGHT. 1500 LUMEN. 3500K. 54° BEAM. | |
| DW1E | COOPER LIGHTING | LSR2B-15-WFL55-80-35-D010-CANOPY EM DRIVER: ASSURANCE EM LIGHTING L16-C | - | LED 3500K 80CRI | 0-10V | UNV | 26 | 29 | SAME AS DW1 WITH REMOTE EMERGENCY DRIVER TO OPERATE A MINIMUM OF 90 MINUTES | |
| EL | HE WILLIAMS | 96-4-L62-80-35-HIAFR-EM/10W-WET/1-D RV-UNV | COLUMBIA LIGHTING LXEM LITHONIA LIGHTING FEM LED SERIES | LED 4000K 80CRI | 0-10V | UNV | 45 | 50 | 4' LINEAR. WET LOCATION LISTED. 6200 LUMEN. 4000K | |
| F1E | HE WILLIAMS | 75R SERIES | - | LED 3500K 80CRI | 0-10V | UNV | 32 | 36 | SAME AS H4 WITH INTEGRAL OCCUPANCY SENSOR AND 10W BATTERY BACK UP TO OPERATE A MINIMUM OF 90 MINUTES. | |
| G1 | LUMENWERX | | LITECONTROL MOD 4 PENDANT LED 4L-P-D SERIES AXIS LIGHTING - WET BEAM 4 LED SURFACE SERIES | LED 3500K 80CRI | 0-10V | UNV | 30 | 33 | 4' VANDAL RESISTANT VAPORTITE LED. 5000 LUMEN. 3500K. GENERAL DISTRIBUTION. | |
| H4 | HE WILLIAMS | 75L-4-L50-8-35-AF12125-DIM-UNV | COLUMBIA LIGHTING MPS SERIES LITHONIA LIGHTING ZL1D SERIES | LED 3500K 80CRI | 0-10V | UNV | 32 | 36 | 4' LINEAR SUSPENDED/WALL MOUNTED FIXTURE. 5000 LUMEN. 3500K. | |
| H4E | HE WILLIAMS | 75L-4-L50-8-35-AF12125-EM/10WLP-DIM UNV | - | LED 3500K 80CRI | 0-10V | UNV | 32 | 36 | SAME AS H4 WITH INTEGRAL 10 W BATTERY BACK UP TO OPERATE A MINIMUM OF 90 MINUTES. | |
| H5E | HE WILLIAMS | 75L-4-L50-8-35-AF12125-EM/10WLP-DIM UNV- OCCWS-FSP-211-L2-120/277 | • | LED 3500K 80CRI | 0-10V | UNV | 0 | 0 | SAME AS H4E WITH INTEGRAL OCCUPANCY SENSOR AND BATTERY BACK UP TO OPERATE A MINIMUM OF 90 MINUTES. | |
| L1 | | UNV (1) OUTPUT DRIVER: PS010V-96-24-LIN (3) OUTPUT DRIVER: PS010V-3X96-24-LIN | | 80CRI | 0-10V | UNV | 9 | 10 | WET LOCATION RATED 24V LED TAPE LIGHT WITH REMOTE DAMP LOCATION RATED 96WATT, 277 - 24V LED DRIVER. NARROW DISTRIBUTION. 3500K. 706 LUMEN/FT. 9 W/FT. PROVIDE CHANNEL AND ADDITIONAL WET LOCATION RATED FITTINGS FOR A FULLY FUNCTIONING TAPE LIGHTING SYSTEM. | |
| L2 | LUMENPULSE | LOGASHRAE-277-48-35K-WWRF-UMAS- DIM-ETE | | LED 3500K 80CRI | 0-10V | | | | WET LOCATION RATED LINEAR GRADING FACADE FIXTURE WITH ASYMMETRICAL DISTRIBUTION AND ADJUSTABLE STANDOFF ARM MOUNT. 5W/FT. PROVIDE END-TO-END CONTINUOUS MOUNTING TO MATCH LENGTH OF SIGN. | |
| WE | COPPER LIGHTING | IST-AF-600-LED-E1-T4FT-XX-8030-CBP | ELCAST LIGHTING 1495 SERIES LITHONIA LIGHTING WDGE2 LED SERIES FC LIGHTING FC1030 SERIES | LED 3000K 80CRI | 0-10V | UNV | 33 | 36 | EXTERIOR WALL PACK WITH FIXTURE WITH 90 MINUTE BATTERY BACK-UP | |
| Х | HE WILLIAMS | EXIT CA SERIES | DUAL-LITE LE SERIES LITHONIA LE SERIES ISOLITE RL SERIES LITHONIA LE SERIES HE WILLIAMS EXIT SERIES | | <u>un</u> | UNV | 5 | 5 | UNIVERSAL MOUNT EXIT SIGN | |



TO OTHER SENSORS AS REQ'D ANALOG POWER POWER____ -----PACK SENSOR SUPPLY _____ OTHER SWITCHES TO OTHER AS REQ'D ----- SWITCHES AS REQ'D LINE VOLTAGE WIRING ----- LOW VOLTAGE WIRING (CONFIRM MOMENTARY ------- LINE VOLTAGE WIRING TYPE WITH MANUFACTURER) ----- LOW VOLTAGE WIRING (CONFIRM TYPE CONNECTED MOMENTARY WITH MANUFACTURER) SWITCH LOAD <u>NOTES:</u> REFER TO LIGHTING CONTROL DEVICE SCHEDULE FOR DEVICE AND EQUIPMENT SPECIFICATIONS. 1. REFER TO LIGHTING CONTROL DEVICE SCHEDULE FOR DEVICE AND EQUIPMENT SPECIFICATIONS. 2. PROVIDE QUANTITY OF POWER PACKS AS REQUIRED BY MANUFACTURER TO SUPPORT QUANTITY OF SENSORS PROVIDE QUANTITY OF POWER PACKS AS REQUIRED BY MANUFACTURER TO SUPPORT QUANTITY OF SENSORS INDICATED ON PLANS. 3. DETAIL IS DIAGRAMMATIC AND IS BASED ON WATTSTOPPER. THIS REPRESENTS THE GENERAL SCOPE OF WORK AND LOCATION OF DEVICES IN RELATION TO EACH OTHER ALONG THE POWER CIRCUIT. DIAGRAMS MAY BE DIFFERENT FOR 3. DETAIL IS DIAGRAMMATIC AND IS BASED ON WATTSTOPPER. THIS REPRESENTS THE GENERAL SCOPE OF WORK AND ALLOWED EQUIVALENT MANUFACTURERS. ELECTRICAL CONTRACTOR SHALL COORDINATE FULL SYSTEM LOCATION OF DEVICES IN RELATION TO EACH OTHER ALONG THE POWER CIRCUIT. DIAGRAMS MAY BE DIFFERENT FOR REQUIREMENTS WITH SELECTED MANUFACTURER. PROVIDE ALL PARTS AND PIECES REQUIRED FOR A FULLY ALLOWED EQUIVALENT MANUFACTURERS. ELECTRICAL CONTRACTOR SHALL COORDINATE FULL SYSTEM FUNCTIONAL SYSTEM. REFER TO FINAL APPROVED MANUFACTURER'S INSTALLATION INSTRUCTIONS AND WIRING REQUIREMENTS WITH SELECTED MANUFACTURER. PROVIDE ALL PARTS AND PIECES REQUIRED FOR A FULLY FUNCTIONAL SYSTEM. REFER TO FINAL APPROVED MANUFACTURER'S INSTALLATION INSTRUCTIONS AND WIRING DIAGRAMS FOR INSTALLATION. 4. CIRCUITING SHOWN ON THE PLAN CORRESPONDS TO THE LIGHTING CONTROL INTENT. IF CIRCUITING IS CHANGED IN THE FIELD, ENSURE THAT SYSTEM PROGRAMMING WITH REVISED CIRCUITING MEETS THE ORIGINAL LIGHTING 4. CIRCUITING SHOWN ON THE PLAN CORRESPONDS TO THE LIGHTING CONTROL INTENT. IF CIRCUITING IS CHANGED IN THE FIELD, ENSURE THAT SYSTEM PROGRAMMING WITH REVISED CIRCUITING MEETS THE ORIGINAL LIGHTING CONTROL INTENT. UPDATE LIGHTING CONTROL PANEL SCHEDULES IN RECORD DRAWINGS. CONTROL INTENT. UPDATE LIGHTING CONTROL PANEL SCHEDULES IN RECORD DRAWINGS. 5. PROVIDE SYSTEM COMMISSIONING AS REQUIRED PER ENERGY CODE. OCCUPANCY SENSOR DETAIL - SINGLE POWER SUPPY AND SWITCH 2 OCCUPANCY SENSOR DETAIL - MULTIPLE POWER SUPPLIES AND SWITCHES NTS

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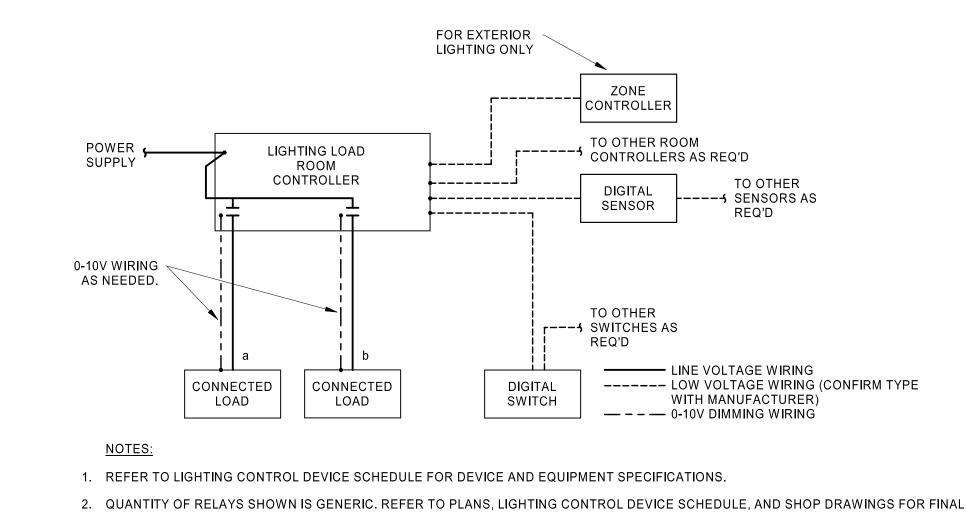
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- LIGHT FIXTURE SCHEDULE GENERAL NOTES:
- 1. ALL LIGHT FIXTURES AND RELATED COMPONENTS SHALL BE PROVIDED BY THE CONTRACTOR, UNLESS NOTED OTHERWISE.
- 2. ALL LIGHT FIXTURES AND RELATED COMPONENTS SHALL BE PROVIDED BY THE CONTRACTOR AS PART OF THE BASE BID, UNLESS NOTED OTHERWISE.
- 3. THE PARTY SUPPLYING THE LIGHT FIXTURES IS RESPONSIBLE FOR SUPPLYING THE PROPER QUANTITY OF LIGHT FIXTURES.

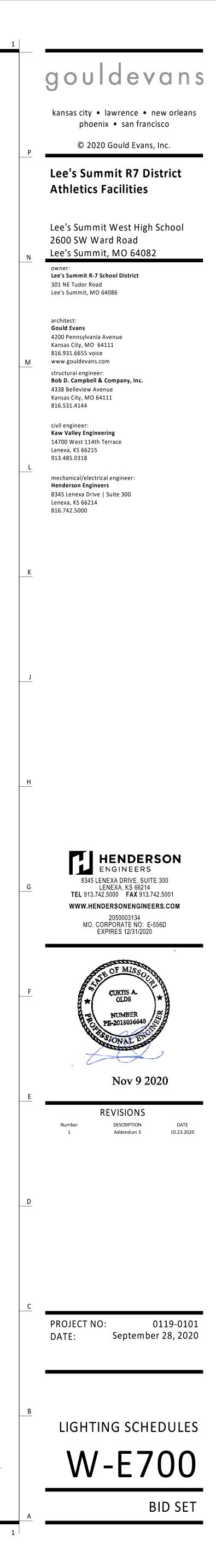
LIGHT FIXTURE SCHEDULE SUPPLEMENTAL SPECIFICATIONS:

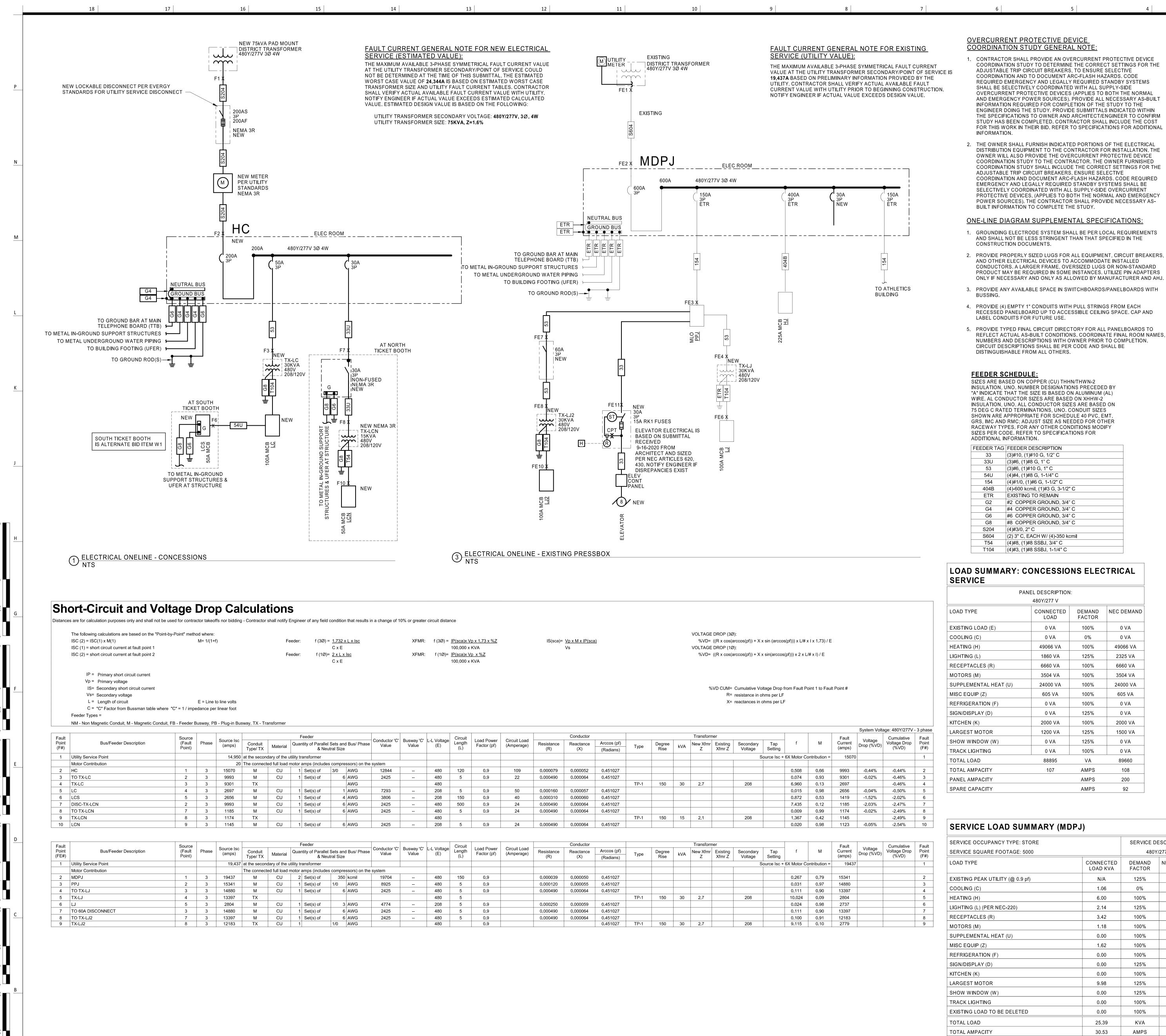
- 1. ANY PROPRIETARY, SOLE-SOURCED LIGHT FIXTURE LISTED IN THE LIGHT FIXTURE SCHEDULE SHALL BE UNIT PRICED ONLY. NO PACKAGING OR LOT PRICING OF THESE LIGHT FIXTURES SHALL BE ALLOWED. UNIT PRICES SHALL BE CLEARLY IDENTIFIED ON THE BID FORM.
- 2. PACKAGING OF LIGHT FIXTURES WILL NOT BE CONSIDERED OR APPROVED. REPRESENTATIVE AGENTS SHALL BE ALLOWED TO OFFER MINI-LOT PRICING (MLP) FOR LIGHT FIXTURES AS ALLOWED IN ELECTRICAL SPECIFICATIONS.
- 3. LIGHTING CONTROLS PRICING, INCLUDING BUT NOT LIMITED TO THOSE REFERENCED IN ELECTRICAL SPECIFICATIONS, SHALL BE COMPLETELY SEPARATE OF ANY LIGHT FIXTURE PRICING. ANY LIGHTING CONTROLS PRICING THAT IS SUBMITTED WITH LIGHT FIXTURE PRICING (UNIT OR MINI-LOT) WILL BE IMMEDIATELY REJECTED IN ITS ENTIRETY.
- 4. CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND CATALOG NUMBERS ONLY. FIRST READ THE COMPLETE DESCRIPTION, NOTES AND SPECIFICATIONS IN CONJUNCTION WITH THE CATALOG NUMBER TO DETERMINE THE MATERIAL AND ACCESSORIES TO BE ORDERED. THE MANUFACTURERS LISTED ARE THE BASIS FOR THE DESIGN.
- 5. FOR SUBSTITUTIONS: PROVIDE PHOTOMETRIC CALCULATIONS AND OTHER NECESSARY INFORMATION FOR ENGINEER REVIEW. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
- 6. COORDINATE LIGHT FIXTURE MOUNTING HARDWARE AND TRIMS NEEDED TO SUIT CEILING CONDITIONS. LIGHT FIXTURES NEAR OR IN CONTACT WITH INSULATION SHALL COMPLY WITH CODE. MAINTAIN 3" MINIMUM WORKING CLEARANCE BETWEEN NON-IC RATED LIGHT FIXTURE HOUSINGS AND INSULATION ON ALL ADJACENT DUCTWORK, PIPING, WALLS, AND CEILINGS.
- 7. STRIP LIGHT FIXTURES SUBJECT TO DAMAGE, INCLUDING THOSE MOUNTED ON EQUIPMENT MEZZANINES, STORAGE, RECEIVING AND STOCKROOM AREAS, SHALL BE PROVIDED WITH WIRE GUARDS, PROTECT-A-LAMP COVERS OR EQUIVALENT SHIELDED OR SHATTERPROOF LAMPS/LIGHT SOURCES. COORDINATE REQUIREMENTS AND AFFECTED LIGHT FIXTURES WITH OWNER.



- QUANTITY PER ROOM CONTROLLER.
- 3. DETAIL IS DIAGRAMMATIC AND IS BASED ON LEGRAND. THIS REPRESENTS THE GENERAL SCOPE OF WORK AND LOCATION OF DEVICES IN RELATION TO EACH OTHER ALONG THE POWER CIRCUIT. DIAGRAMS MAY BE DIFFERENT FOR ALLOWED EQUIVALENT MANUFACTURERS. ELECTRICAL CONTRACTOR SHALL COORDINATE FULL SYSTEM REQUIREMENTS WITH SELECTED MANUFACTURER. PROVIDE ALL PARTS AND PIECES REQUIRED FOR A FULLY FUNCTIONAL SYSTEM. REFER TO FINAL APPROVED MANUFACTURER'S INSTALLATION INSTRUCTIONS AND WIRING DIAGRAMS FOR INSTALLATION.
- CIRCUITING SHOWN ON THE PLAN CORRESPONDS TO THE LIGHTING CONTROL INTENT. IF CIRCUITING IS CHANGED IN THE FIELD, ENSURE THAT SYSTEM PROGRAMMING WITH REVISED CIRCUITING MEETS THE ORIGINAL LIGHTING CONTROL INTENT. UPDATE LIGHTING CONTROL PANEL SCHEDULES IN RECORD DRAWINGS. 5. PROVIDE SYSTEM COMMISSIONING AS REQUIRED PER ENERGY CODE.

5 ROOM CONTROLLER DETAIL - ON/OFF OR ON/OFF/0-10V DIMMING CONTROL NTS





15 |

14 |

| | Circuit | | | | Conductor | | | | | maneren | | | | | 1 1 | Fault | | Cu |
|--|--|---|----------------------------------|---|---|--|--------|----------------|---------|----------------------------|--------------------|----------------------|----------------|--|--|--|-----------------------|-----------------|
| / 'C' L-L Voltage e (E) | Length (L) | Load Power Factor (pf) | Circuit Load (Amperage) | Resistance (R) | Reactance (X) | Arccos (pf) (Radians) | Туре | Degree Rise | kVA | New Xfmr Z | Existing Xfmr Z | Secondary Voltage | Tap Setting | f | М | Current (amps) | Voltage Drop (%VD) | Volt (|
| | | | | | | (reductio) | | | | | | S | ource lsc + | 6X Motor Co | ontribution = | 15070 | ,†† | |
| | | | | | | | | | | | | | | | | | | |
| 480 | 120 | 0.9 | 109 | 0.000079 | 0.000052 | 0.451027 | | | | | | | | 0.508 | 0.66 | 9993 | -0.44% | _ |
| 480 | 5 | 0.9 | 22 | 0.000490 | 0.000064 | 0.451027 | | | | | | | | 0.074 | 0.93 | 9301 | -0.02% | - |
| 480 | | | | | | | TP-1 | 150 | 30 | 2.7 | | 208 | | 6.960 | 0.13 | 2697 | | - |
| 208 | 5 | 0.9 | 50 | 0.000160 | 0.000057 | 0.451027 | | | | | | | | 0.015 | 0.98 | 2656 | -0.04% | - |
| 208 | 150 | 0.9 | 40 | 0.000310 | 0.000060 | 0.451027 | | | | | | | | 0.872 | 0.53 | 1419 | -1.52% | - |
| 480 | 500 | 0.9 | 24 | 0.000490 | 0.000064 | 0.451027 | | | | | | | | 7.435 | 0.12 | 1185 | -2.03% | _ |
| 480 | 5 | 0.9 | 24 | 0.000490 | 0.000064 | 0.451027 | | | | | | | | 0.009 | 0.99 | 1174 | -0.02% | - |
| 480 | | | | | | | TP-1 | 150 | 15 | 2.1 | | 208 | | 1.367 | 0.42 | 1145 | | - |
| 400 | | | | 0.000400 | 0.000004 | 0.454007 | | | | | | | | 0.020 | 0.98 | 1123 | -0.05% | |
| 208 | 5 | 0.9 | 24 | 0.000490 | 0.000064 | 0.451027 | | | | | | | | 0.020 | | | | |
| 208 | Circuit | | | 0.000490 | Conductor | 0.451027 | | | | Transform | ner | | | 0.020 | | | | |
| 208 | Circuit | 0.9 Load Power Factor (pf) | 24 Circuit Load (Amperage) | Resistance (R) | | Arccos (pf) | - Туре | Degree Rise | kVA | Transform New Xfmr Z | | Secondary Voltage | Tap Setting | f | M | Fault Current (amps) | Vallera | Cu Volt (|
| 208 | Circuit Length | Load Power | Circuit Load | Resistance | Conductor Reactance | 1 | - Туре | Degree Rise | kVA | New Xfmr | Existing | Voltage | Setting | f | | Fault Current | Voltage Drop (%VD) | Cu Volt |
| 208 | Circuit Length | Load Power | Circuit Load | Resistance | Conductor Reactance | Arccos (pf) | - Туре | Degree Rise | kVA | New Xfmr | Existing | Voltage | Setting | f | М | Fault Current (amps) | Voltage Drop (%VD) | Cu Volt (|
| 208 | Circuit Length | Load Power | Circuit Load | Resistance | Conductor Reactance | Arccos (pf) | - Туре | Degree Rise | kVA | New Xfmr | Existing | Voltage | Setting | f | М | Fault Current (amps) | Voltage Drop (%VD) | Cu Volt (|
| / 'C' L-L Voltage e (E) | Circuit Length (L) | Load Power Factor (pf) | Circuit Load | Resistance (R) | Conductor Reactance (X) | Arccos (pf) (Radians) | - Type | Degree Rise | kVA | New Xfmr | Existing | Voltage | Setting | f 6X Motor Co | M ontribution = | Fault Current (amps) 19437 | Voltage Drop (%VD) | Cu Volt (|
| 208 / 'C' L-L Voltage (E) 480 | Circuit Length (L) 150 | Load Power Factor (pf) | Circuit Load | Resistance (R) 0.000039 | Conductor Reactance (X) 0.000050 | Arccos (pf) (Radians) 0.451027 | - Type | Degree Rise | kVA | New Xfmr | Existing | Voltage | Setting | f 6X Motor Co 0.267 | M ontribution = 0.79 | Fault Current (amps) 19437 15341 | Voltage Drop (%VD) | Cu Volt (|
| 208 / 'C' L-L Voltage (E) 480 480 | Circuit Length (L) 150 5 | Load Power Factor (pf) | Circuit Load | Resistance (R) 0.000039 0.000120 | Conductor Reactance (X) 0.000050 0.000055 | Arccos (pf) (Radians) 0.451027 0.451027 | Type | Degree Rise | kVA | New Xfmr | Existing | Voltage | Setting | f 6X Motor Co 0.267 0.031 | M ontribution = 0.79 0.97 | Fault Current (amps) 19437 15341 14880 | Voltage Drop (%VD) | Cu Volt (|
| 208 ('C' L-L Voltage (E) 480 480 480 480 | Circuit Length (L) 150 5 5 | Load Power Factor (pf) | Circuit Load | Resistance (R) 0.000039 0.000120 | Conductor Reactance (X) 0.000050 0.000055 | Arccos (pf) (Radians) 0.451027 0.451027 | | Rise | | New Xfmr Z | Existing | Voltage S | Setting | f 6X Motor Co 0.267 0.031 0.111 | M ontribution = 0.79 0.97 0.90 | Fault Current (amps) 19437 15341 14880 13397 | Voltage Drop (%VD) | Cu Volt (|
| 208 208 (C' L-L Voltage (E) 480 480 480 480 480 | Circuit Length (L) 150 5 5 5 | Load Power Factor (pf) 0.9 0.9 0.9 | Circuit Load | Resistance (R) 0.000039 0.000120 0.000490 | Conductor Reactance (X) 0.000050 0.000055 0.000064 | Arccos (pf) (Radians) 0.451027 0.451027 0.451027 | | Rise | | New Xfmr Z | Existing | Voltage S | Setting | f 6X Motor Co 0.267 0.031 0.111 10.024 | M ontribution = 0.79 0.97 0.90 0.09 | Fault Current (amps) 19437 15341 14880 13397 2804 | Voltage Drop (%VD) | Cu Volt (|
| 208 208 (C' L-L Voltage (E) 480 480 480 480 480 208 | Circuit Length (L) 150 5 5 5 5 5 | Load Power Factor (pf) 0.9 0.9 0.9 0.9 | Circuit Load | Resistance (R) 0.000039 0.000120 0.000490 0.000250 | Conductor Reactance (X) 0.000050 0.000055 0.000064 0.000059 | Arccos (pf) (Radians) 0.451027 0.451027 0.451027 0.451027 | | Rise | | New Xfmr Z | Existing | Voltage S | Setting | f 6X Motor Co 0.267 0.031 0.111 10.024 0.024 | M ontribution = 0.79 0.97 0.90 0.09 0.09 0.98 | Fault Current (amps) 19437 15341 14880 13397 2804 2737 | Voltage Drop (%VD) | Cu Volt (|

ELECTRICAL UTILITY CONTACT NOTE:

UTILITY COMPANY: EVERGY ENERGY UTILITY CONTACT: RON DEJARNETTE EMAIL: RON.DEJARNETTE@EVERGY.COM

ONE-LINE DIAGRAM GENERAL NOTES:

- 1. THE INFORMATION SHOWN IN THE SHORT-CIRCUIT AND VOLTAGE DROP CALCULATIONS SCHEDULE IS SHOWN FOR CALCULATION PURPOSES ONLY. CONTRACTOR SHALL NOT USE THE CONDUIT TYPES. CONDUCTOR TYPES. SIZES, QUANTITIES OR LENGTHS FOR TAKEOFFS OR BIDDING PURPOSES. CONTRACTOR SHALL NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN THIS SCHEDULE AND OTHER PORTIONS OF THE CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL NOTIFY ENGINEER OF AS-BUILT CONDITIONS THAT CONSTITUTE A CHANGE FROM WHAT IS SHOWN BELOW: THIS INCLUDES CONDUCTOR LENGTHS DIFFERING BY MORE THAN 10%.
- 2. REFER TO THE SHORT-CIRCUIT AND VOLTAGE DROP CALCULATIONS TABLE AVAILABLE FAULT CURRENT INFORMATION IS LISTED UNDER THE "FAULT CURRENT" COLUMN. VOLTAGE DROP VALUES ARE LISTED UNDER THE "CUMULATIVE VOLTAGE DROP" COLUMN. THE AIC/SCCR RATING OF THE EQUIPMENT SHALL NOT BE LESS THAN THE AVAILABLE 3-PHASE SYMMETRICAL FAULT CURRENT. ALL SERIES RATED EQUIPMENT SHALL BE PROPERLY LISTED AND LABELED PER CODE.
- FEEDER NUMBER DESIGNATIONS PRECEDED BY "V" INDICATE THAT THE CONDUCTORS ARE UP-SIZED DUE TO VOLT-DROP CONSIDERATIONS. PROVIDE LUG ADAPTERS AS NEEDED IN ORDER TO PROPERLY LAND CONDUCTORS AT TERMINATION(S).
- 4. FEEDER SIZES ARE BASED ON COPPER (CU) THHN/THWN-2 INSULATION. UNLESS NOTED OTHERWISE. CONDUIT SIZES SHOWN ARE APPROPRIATE FOR SCHEDULE 40 PVC, EMT, GRS, IMC AND RMC; ADJUST SIZE AS NEEDED FOR OTHER RACEWAY TYPES. NUMBER DESIGNATIONS PRECEDED BY "A" INDICATE THAT THE SIZE IS BASED ON ALUMINUM (AL) WIRE. AL CONDUCTOR SIZES ARE BASED ON XHHW-2 INSULATION, UNLESS NOTED OTHERWISE. AL WIRE MAY BE SUBSTITUTED FOR CU FEEDERS AS ALLOWED BY CODE, SPECIFICATIONS AND OWNER. UNLESS NOTED OTHERWISE, AT CONTRACTOR'S OPTION, CU WIRE MAY BE SUBSTITUTED FOR AL, UNLESS NOTED OTHERWISE. ALL CONDUCTOR SIZES ARE BASED ON 75 DEG C RATED TERMINATIONS, UNLESS NOTED OTHERWISE. FOR ANY OTHER CONDITIONS MODIFY SIZES PER CODE. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- BRANCH CIRCUIT SIZES ARE BASED ON COPPER (CU) THHN/THWN-2 INSULATION, UNLESS NOTED OTHERWISE. CONDUIT SIZES SHOWN ARE APPROPRIATE FOR SCHEDULE 40 PVC, EMT, GRS, IMC AND RMC; ADJUST SIZE AS NEEDED FOR OTHER RACEWAY TYPES. ALL CONDUCTOR SIZES ARE BASED ON 60 DEG C RATED TERMINATIONS, UNLESS NOTED OTHERWISE. FOR ANY OTHER CONDITIONS MODIFY SIZES PER CODE. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
- INSTALL FEEDERS OVERHEAD AS HIGH AS PRACTICABLE AND ORTHOGONALLY ALONG BUILDING STRUCTURE, UNLESS NOTED OTHERWISE COORDINATE FINAL ROUTING WITH OTHER TRADES.
- 7. CIRCUIT BREAKERS RATED 1200A OR HIGHER SHALL HAVE APPROPRIATE DOCUMENTATION AND METHOD TO REDUCE CLEARING TIME IN ORDER TO REDUCE ARC FLASH ENERGY PER CODE. PROVIDE ELECTRONIC TRIP UNIT WITH INSTANTANEOUS TRIP AND ENERGY-REDUCING MAINTENANCE SWITCH WITH LOCAL STATUS INDICATOR FOR COMPLIANCE. PROVIDE PROVISIONS TO INTERFACE WITH OWNER ALARM/MONITORING SYSTEM TO INDICATE MAINTENANCE SWITCH STATUS.
- 8. PROVIDE A PERMANENT LABEL ON FRONT OF EQUIPMENT ENCLOSURE; REFER TO SPECIFICATIONS FOR LABEL REQUIREMENTS. LABEL SHALL READ AS FOLLOWS (INCLUDE RESPECTIVE NAMES IN BLANKS): SERVICE EQUIPMENT LABEL

EXAMPLE: 208Y/120V, 60HZ

- 800A SCCR = 65,000A MAX AVAILABLE FAULT CURRENT = 58,815A
- CALCULATED: 01/01/2018 PANELBOARD/SWITCHBOARD LABEL:
- LINE 1: PANELBOARD "_____" SUPPLIED BY UPSTREAM LINE 2: PANELBOARD/SWITCHBOARD "_____" LINE 3: LOCATED IN "
- LINE 4: PANELBOARD "_____" SUPPLIES DOWNSTREAM LINE 5: PANELBOARD(S) "_____" TRANSFORMERS LABEL: LINE 1: TRANSFORMER "_____" SUPPLIED BY UPSTREAM
- LINE 2: PANELBOARD/SWITCHBOARD "_____ LINE 3: LOCATED IN " LINE 4: TRANSFORMER "_____" SUPPLIES DOWNSTREAM LINE 5: PANELBOARD(S) "_____"

ONE-LINE DIAGRAM GENERAL NOTES:

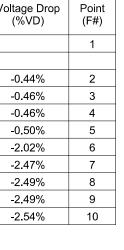
- 1. COORDINATE WORK WITH ARCHITECTURAL PHASING DRAWINGS TO PROPERLY STAGE TRANSITION TO PROVIDE POWER TO EXISTING, NEW AND TEMPORARY LOADS. MONITOR LOADS ON DISTRIBUTION SYSTEM TO MAKE SURE SHIFTING OF LOADS DOES NOT OVERLOAD ELECTRICAL EQUIPMENT.
- PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE EXISTING AIC/SCCR RATING OF EACH PANELBOARD/SWITCHBOARD. ALL NEW AND EXISTING OVER-CURRENT PROTECTION DEVICES (CIRCUIT BREAKERS AND FUSES) MUST HAVE AN AIC/SCCR RATING EXCEEDING THE AVAILABLE FAULT CURRENT AT THAT POINT IN THE SYSTEM. NOTIFY THE OWNER AND THE ENGINEER IF THE EXISTING EQUIPMENT DOES NOT COMPLY WITH THIS REQUIREMENT.
- 3. VERIFY THE INTEGRITY OF THE EXISTING GROUNDING ELECTRODE SYSTEM AND THAT THE NEUTRAL AND GROUND ARE PROPERLY BONDED TOGETHER AT THE POINT OF SERVICE ENTRANCE. NOTIFY THE OWNER AND THE ENGINEER OF ANY EXISTING DEFICIENCIES.
- 4. AS APPLICABLE, OBTAIN THE FOLLOWING INFORMATION IN REGARD TO THE EXISTING ELECTRICAL SERVICE AND DISTRIBUTION SYSTEM AND REPORT FINDINGS TO THE ENGINEER FOR ANALYSIS PRIOR TO BEGINNING CONSTRUCTION:
- A. AVAILABLE FAULT CURRENT DELIVERED BY THE UTILITY COMPANY AT THE POINT OF SERVICE. B. PROVIDE A PLAN SKETCH OF THE LANDLORD'S DISTRIBUTION EQUIPMENT LOCATION RELATIVE TO THE ENTIRE BUILDING. INCLUDE THE LOCATION,
- UTILITY METER AND SERVICE DISCONNECT, RELEVANT FEEDER ROUTING AND LENGTHS. C. PROVIDE A SKETCH OF THE ONE-LINE SHOWING THE PATH FROM THE UTILITY TRANSFORMER TO THE EQUIPMENT. INCLUDE FEEDER CONDUCTOR MATERIAL, (AL OR CU), NUMBER AND SIZE OF
- CONDUCTORS, GROUND, LENGTH, CONDUIT SIZE AND CONDUIT TYPE. D. TYPE OF SERVICE DISCONNECT OVER-CURRENT PROTECTION DEVICE, (FUSE OR CIRCUIT BREAKER), AMPERE RATING OF THE DEVICE AND AIC/SCCR RATING OF THE DEVICE.
- E. AIC/SCCR RATING AT EACH EXISTING SWITCHBOARD/PANELBOARD.

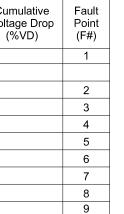
| SERVICE OCCUPANCY TYPE: STORE | | SERVICE D | ESCRIPTION: |
|--|-----------------------|------------------|-------------------|
| SERVICE SQUARE FOOTAGE: 5000 | | 480Y | /277 V |
| LOAD TYPE | CONNECTED LOAD KVA | DEMAND FACTOR | NEC DEMAND KVA |
| EXISTING PEAK UTILITY (@ 0.9 pf) | N/A | 125% | 300.00 |
| COOLING (C) | 1.06 | 0% | 0.00 |
| HEATING (H) | 6.00 | 100% | 6.00 |
| LIGHTING (L) (PER NEC-220) | 2.14 | 125% | 2.67 |
| RECEPTACLES (R) | 3.42 | 100% | 3.42 |
| MOTORS (M) | 1.18 | 100% | 1.18 |
| SUPPLEMENTAL HEAT (U) | 0.00 | 100% | 0.00 |
| MISC EQUIP (Z) | 1.62 | 100% | 1.62 |
| REFRIGERATION (F) | 0.00 | 100% | 0.00 |
| SIGN/DISPLAY (D) | 0.00 | 125% | 0.00 |
| KITCHEN (K) | 0.00 | 100% | 0.00 |
| LARGEST MOTOR | 9.98 | 125% | 12.47 |
| SHOW WINDOW (W) | 0.00 | 125% | 0.00 |
| TRACK LIGHTING | 0.00 | 100% | 0.00 |
| EXISTING LOAD TO BE DELETED | 0.00 | 100% | 0.00 |
| TOTAL LOAD | 25.39 | KVA | 327.35 |
| TOTAL AMPACITY | 30.53 | AMPS | 393.75 |
| SERVICE AMPACITY | | AMPS | 600.00 |
| SPARE CAPACITY | | AMPS | 206.25 |
| *PER UTILITY COMPANY BILLING PEAK DEMAND C |)F: | 216.00 KW | 8-19-2019 |

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LOAD SUMMARY: CONCESSIONS ELECTRICAL

480Y/277 V CONNECTED DEMAND NEC DEMAND LOAD FACTOR 0 V A 100% 0 VA 0 V A 0% 0 V A 49066 VA 49066 VA 100% 1860 VA 125% 2325 VA 6660 VA 100% 6660 VA 3504 VA 100% 3504 VA 24000 VA 100% 24000 VA 605 VA 100% 605 VA 0 VA 0 V A 100% 0 V A 125% 0 VA 2000 VA 100% 2000 VA 1200 VA 125% 1500 VA 0 V A 125% 0 VA 0 V A 0 VA 100% 88895 VA 89660 107 AMPS 108 AMPS 200 AMPS 92



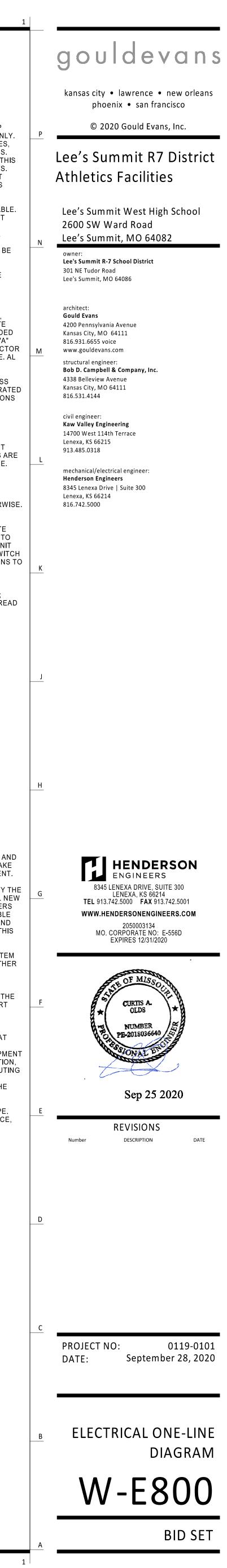


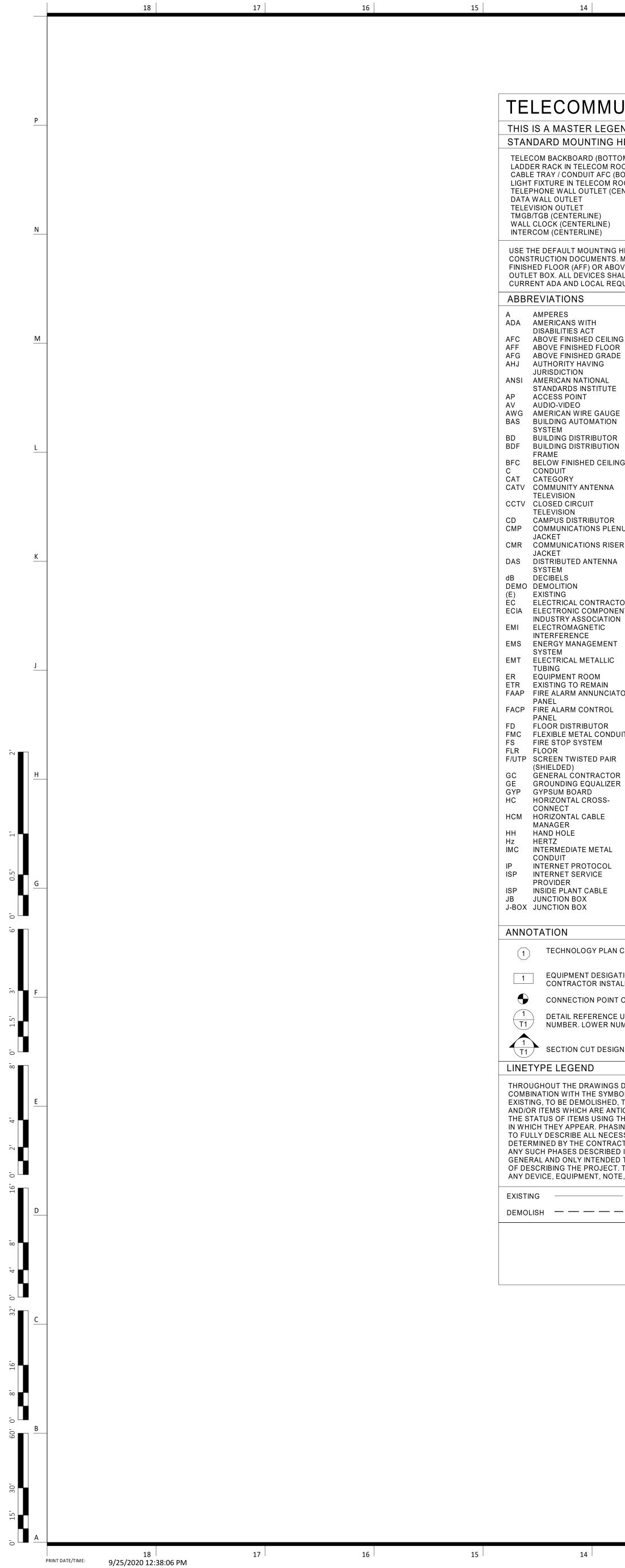
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| JNICATIONS SYMB ND AND NOT ALL SYMBOLS OR ABBF HEIGHTS | | USED. | TELECOMMUNICATIONS OUTLETS | | | | V2.00 GENERAL NEW WORK NOTES |
|--|-------------|---|---|---------------------------------------|---------------------------------------|----------|--|
| OM OF BACKBOARD) 4" DOMS (BOTTOM OF DEVICE) 90" | W"xH | WIRE MESH CABLE TRAY (W"=WIDTH, "H"=HEIGHT) | | | | | 1. READ THE SPECIFICATIONS AND REVIEW DRAWINGS OF ALL DIVISIONS OF WORK. COORDINATE THIS WORK WITH ALL OTHER DIVISIONS OF |
| OTTOM OF PATHWAY) 3"(MIN) DOMS (BOTTOM OF DEVICE) 108"(MIN) ENTERLINE) 48" | " | VERTICAL CABLE TRAY | SYMBOLDESCRIPTIONTelevELEVATOR PHONE OUTLET - ANALOG | CABLE(S)DETAIL18/W-TN500 | | | WORK AND ALL SUBCONTRACTORS. |
| SAME AS ADJACENT DEVICE, UNO REFER TO ARCH DRAWINGS | (#) D" | UNDERGROUND CONDUIT ("#"=QUANTITY, "D"=CONDUIT DIAMETER) | ✓ 2D DATA WALL OUTLET | 1 2,4,6/W-TN500 | | | 2. ALL WORK SHALL CONFORM TO THE APPLICABLE SPECIFICATIONS (DIVISION 26, DIVISION 27, DIVISION 28, ETC.) AND THE CUSTOMER PRE-ESTABLISHED STRUCTURED CABLING STANDARDS; SHOULD |
| 84" 84" 48" | (#) D" | CONDUIT ("#"=QUANTITY, "D"=CONDUIT DIAMETER) | OptimizedDATA CEILING OUTLET - WIRELESS ACCESS POINT ✓ ETRDATA WALL OUTLET - EXISTING TO | 2 3,4/W-TN500 2 2,4,6/W-TN500 | | | DIFFERENCES EXIST IN THE SPECIFICATIONS RELATING TO TECHNOLOGY AND THE CLIENT'S PRE-ESTABLISHED STANDARDS THE CONTRACTOR SHALL CONTACT THE LOW VOLTAGE ENGINEER FOR |
| HEIGHTS SHOWN ABOVE UNO IN THE MOUNTING HEIGHTS LISTED ARE ABOVE | | CABLE SUPPORTS OR J-HOOKS CONDUIT SLEEVE | - WAP,ETR DATA CEILING OUTLET - EXISTING TO REMAIN | 1 3,4/W-TN500 | | | 3. FULLY COORDINATE ALL CABLE TRAY, FIRE STOP CONDUITS / |
| VE FINISHED GRADE (AFG) TO BOTTOM OF ALL BE INSTALLED IN COMPLIANCE WITH QUIREMENTS. | (#) D" | ("#"=QUANTITY, "D"=CONDUIT DIAMETER) | TELECOMMUNICATIONS RESPONSIBILIT | Y MATRIX Furnish | Install | | SLEEVES, AND CONDUIT ROUTING WITH STRUCTURAL ELEMENTS. COORDINATE CABLE TRAY AND CONDUIT INSTALLATIONS WITH ARCHITECT, STRUCTURAL ENGINEER, STRUCTURAL CONTRACTOR, |
| | PBL"XW"XH" | PULL BOX | | | | | AND GENERAL CONTRACTOR PRIOR TO INSTALLATION. ROUTING IN CONCRETE SLAB OR UNDER SLAB (WHERE CONDUIT WOULD BE ON GRADE) REQUIRES THE USE OF WET LOCATION RATED CABLES. |
| LAN LOCAL AREA NETWORK LCC LIMITED COMBUSTIBLE CABLE LEC LOCAL EXCHANGE CARRIER | SC | ("L"=LENGTH, "W"=WIDTH, "H"=HEIGHT) SPLICE | Description | Construction Team Owner | Construction Team Owner | Comments | ALL TELECOMMUNICATIONS CONTINUOUS PATHWAYS SHALL BE BONDED TO THE TELECOMMUNICATIONS BONDING BACKBONE; FOR |
| G LED LIGHT-EMITTING DIODE LF LINEAR FEET MAN METROPOLITAN AREA | | AMS FIBER OPTIC CROSS CONNECT - DETAIL 5/W-TN500 | | | | | CONDUITS, INSULATION BUSHINGS SHALL BE USED AT THE END OF THE CONDUIT THE FARTHEST AWAY FROM THE SERVING TR; A BONDING BUSHING SHALL BE USED AT THE END CLOSEST TO THE |
| MATV MASTER ANTENNA TELEVISION | | COPPER UTP CROSS CONNECT | General Communications Grounding and Bonding | X | X | | SERVING TR. CONTRACTOR TO REFER TO THE ANSI-STD-J 607 STANDARD FOR ADDITIONAL INFORMATION AS TO THE INSTALLATION OF THE TELECOMMUNICATIONS BONDING BACKBONE. |
| MC MAIN CROSS-CONNECT MDF MAIN DISTRIBUTION FRAME MFR MANUFACTURER | | 110-TYPE PROTECTOR BLOCK | Hangers and Supports Conduits and Backboxes Surface Raceways | X X X X X X X X X X X X X X X X X X X | X | | 5. ALL FIRE RATED WALL / FLOOR ASSEMBLIES PENETRATED FOR TELECOMMUNICATIONS CABLING PATHWAYS SHALL BE FIRE STOPPED |
| MH MAINTENANCE HOLE MM MULTIMODE MPOE MAIN POINT OF ENTRANCE | PATCH PANEL | PATCH PANEL - DETAIL 7/W-TN500 | Underground pathways for utility entrance and floor boxes Firestops, Conduit Sleeves, and Sleeve Seals | X X | X X X | | WITH THE APPROVED FIRE STOP SYSTEMS (F/S). ALL FIRESTOP SYSTEMS SHALL BE INSTALLED AS DIRECTED BY THE MANUFACTURER |
| MPOP MAIN POINT OF PRESENCE MTD MOUNTED | TGB | TELECOM GROUND BAR (TGB) - DETAIL 9/W-TN500 | Structured Cabling Telecom Room Cabinets, Racks, Frames, and Enclosures Telecom Room Buildout (ex. backboard and ladder rack) | X | X | | AND AS SPECIFIED IN DIVISION 07 07 84 00 - "FIRESTOPPING". FIRE STOP ASSEMBLY LOCATIONS ARE TO BE COORDINATED WITH CABLE TRAY PATHWAY TO TELECOMMUNICATIONS ROOM. |
| G N/A NOT APPLICABLE G NEC NATIONAL ELECTRICAL CODE NFPA NATIONAL FIRE PROTECTION | TMGB | TELECOM MAIN GROUND BAR (TMGB) | Optical Fiber Backbone Cable and Connectivity Copper Backbone Cable and Connectivity | X X X | | | 6. BACK BOXES AND CONDUIT LOCATIONS IN PRECAST CONCRETE WALLS SHALL BE COORDINATED WITH ARCHITECT, STRUCTURAL |
| ASSOCATION NIC NOT IN CONTRACT nm NANOMETER | | TELECOMMUNICATIONS BACKBONE CABLING | Copper Horizontal Cable and Connectivity Data Communications Router / Firewall | X X | X | | ENGINEER, AND GC PRIOR TO ORDERING THE PRECAST WALLS. 7. ROUTING OF CABLES SHALL BE CONCEALED. CABLES SHALL BE |
| NRTL NATIONALLY RECOGNIZED TESTING LAB OC ON CENTER | | | Core Switch / Edge Switch Wireless Access Points | X X X | X X | | ROUTED IN CONDUIT IN EXPOSED AREAS. MINIMIZE AMOUNT OF EXPOSED CONDUIT BY EMBEDDING CONDUIT IN SLAB WHEN POSSIBLE. EMBEDDED CONDUITS AND PENETRATIONS OF |
| IUM OSHA OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION R OSP OUTSIDE PLANT | | LADDER RACK | Servers / Storage and Backup Laptops / Desktops / Copiers / Printers / Scanners Software | X X X | X X | | STRUCTURE SHALL FOLLOW DETAILS IN STRUCTURAL DRAWINGS. WHEN CONDUITS CAN ONLY BE INSTALLED EXPOSED, NOTIFY ARCHITECT PRIOR TO START OF INSTALLATION OF CONDUITS. CABLES |
| PBX PRIVATE BRANCH EXCHANGE POE POWER OVER ETHERNET PON PASSIVE OPTICAL NETWORK | TMGB | TELECOM MAIN GROUND BAR (TMGB) - WALL ELEVATION VIEW | Voice Communications VoIP Gateway / Analog handsets | X | X X | | SHALL BE ROUTED IN CONDUIT WHEN ABOVE HARD CEILINGS. CONDUITS FOR ELEVATOR PHONES AND FIRE ALARM CONTROL PANEL SHALL BE CONTINUOUS (HOMERUN) FROM THE |
| POTS PLAIN OLD TELEPHONE SERVICE PSTN PUBLIC SWITCHED | TGB | TELECOM GROUND BAR (TGB) - WALL ELEVATION VIEW | VoIP handset wall mount kit VoIP handsets VoIP Network licensing | X X X | X X X X X X X X X X X X X X X X X X X | | TELECOMMUNICATIONS ROOM TO THE APPLICABLE BOX / CABINET. CONTRACTOR SHALL SIZE AND PROVIDE CONDUITS TO MEET TIA-569. |
| OR TELEPHONE NETWORK NTS QTY QUANTITY I RCDD REGISTERED COMMUNICATIONS | | TMGB/TGB - PLAN VIEW | | | | | 8. TELECOMMUNICATIONS ROOMS SHALL BE DEDICATED FOR INFORMATION TECHNOLOGY USE (I.E. NO SHARED SPACE WITH A JANITOR, FIRE ALARM SYSTEM, ETC.) NO SERVICES SHALL PASS |
| DISTRIBUTION DESIGNER RMC RIGID METAL CONDUIT | | TELECOM BACKBOARD | | | | | THROUGH THE SPACE UNLESS DEDICATED TO THE SPACE (NO PLUMBING, MECHANICAL, ELECTRICAL, FIRE, ETC.) |
| RU RACK UNIT SCS STRUCTURED CABLING SYSTEM SF SQUARE FEET | | TWO-POST EQUIPMENT RACK | | | | | |
| OR SPECS SPECIFICATIONS TBB TELECOMMUNICATIONS | | FOUR-POST EQUIPMENT RACK | | | | | |
| TBD TO BE DETERMINED TIA TELECOMMUNICATIONS | | EQUIPMENT CABINET (REFER TO PLAN NOTES ON | | | | | GENERAL DEMOLITION NOTES 1. PRIOR TO SUBMITTING BID, VISIT THE JOB SITE AND BECOME FULLY |
| IIT INDUSTRY ASSOCIATION TGB TELECOMMUNICATIONS | | ENLARGED PLANS FOR MORE INFORMATION) | | | | | ACQUAINTED WITH THE EXISTING CONDITIONS OF THE FACILITY, INCLUDING PATHWAY LOCATIONS AND ELEVATIONS. REVIEW THE GENERAL NOTES AND ALL OTHER TRADE DRAWINGS FOR ADDITIONAL |
| GROUND BUS BAR TMGB TELECOMMUNICATIONS MAIN GROUND BUS BAR | | | | | | | REQUIREMENTS THAT MAY NOT BE CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS, INCLUDING ALL DEMOLITION AND NEW WORK DOCUMENTS. NOTIFY ARCHITECT, ENGINEER OR OWNER, |
| TR TELECOMMUNICATIONS ROOM TYP TYPICAL UNO UNLESS NOTED OTHERWISE | | | | | | | AS SPECIFIED, OF ANY CONFLICTS OR DISCREPANCIES. 2. EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND |
| UL UNDERWRITER LABORATORIES, INC. UPS UNINTERRUPTIBLE POWER | | | | | | | SITE VISITS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. FIELD VERIFY CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. COORDINATE NEW WORK AND DEMOLITION WITH OTHER DISCIPLINES |
| SUPPLY U/UTP UNSHIELDED TWISTED PAIR V VOLT(S) | | | | | | | AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION.3. AVOID DAMAGING EXISTING SURFACES AND EQUIPMENT TO REMAIN |
| VCM VERTICAL CABLE MANAGER W WIRE WAN WIDE AREA NETWORK | | | | | | | FOR NEW INSTALLATION. REPAIR DAMAGE CAUSED DURING WORK AT NO EXTRA COST TO OWNER. |
| WAO WORK AREA OUTLET WAP WIRELESS ACCESS POINT WP WEATHER PROOF | | | | | | | 4. REMOVE ALL PATHWAYS, CABLING AND ASSOCIATED DEVICES FOR ALL ITEMS INTENDED TO BE REMOVED. ABANDONING UNUSED PORTIONS WILL NOT BE ACCEPTABLE. |
| WR WEATHER RESISTANT WT WATERTIGHT XP EXPLOSION-PROOF | | | | | | | 5. REMOVE EXISTING ITEMS AS REQUIRED TO ACCOMMODATE THE GENERAL DEMOLITION SCOPE. ANY SYSTEMS PASSING THROUGH THE |
| | _ | | | | | | SPACE INTENDED TO REMAIN IN SERVICE SHALL BE PROTECTED, OR RELOCATED AS REQUIRED TO MAINTAIN SERVICE AND ACCOMMODATE THE GENERAL DEMOLITION AND NEW SCOPE OF |
| CALLOUT | | | | | | | WORK.6. REFER TO ARCHITECTURAL PLANS FOR SCOPE OF AREAS THAT ARE |
| TION (OWNER FURNISHED, LLED) | | | | | | | TO BE DEMOLISHED UNDER THIS PHASE OF CONSTRUCTION. NOTE THAT IN SOME CASES, MEPFT DEMOLITION WORK EXTENDS BEYOND SCOPE OF AREA IDENTIFIED DUE TO EXISTING SYSTEM DESIGN. |
| OF NEW WORK TO EXISTING UPPER NUMBER INDICATES DETAIL | | | | | | | NOTIFY ARCHITECT AND ENGINEER OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO STARTING WORK. |
| IMBER INDICATES SHEET NUMBER | | | | | | | 7. COORDINATE THE INTERMEDIATE STORAGE, REMOVAL AND FINAL DISPOSITION OF TELECOMMUNICATIONS SCS COMPONENTS (PATHWAYS, CABLE, TERMINATION COMPONENTS, ETC) AND THE |
| NATION | _ | | | | | | REQUIRED PROTECTION OF EXISTING SPECIAL SYSTEMS EQUIPMENT WITH OWNER PRIOR TO IMPLEMENTATION THAT ARE TO BE REMOVED AS A RESULT OF THE DEMOLITION / RENOVATION WORK. |
| DIFFERENT LINE-TYPES ARE USED IN OLS TO INDICATE THE STATUS OF ITEMS AS | - | | | | | | 8. EXISTING TELECOMMUNICATIONS CABLES AND COMPONENTS THAT PASS THROUGH THE CONSTRUCTION ZONE SHALL BE PROTECTED |
| TO BE INCLUDED AS PART OF THE NEW WORK ICIPATED TO BE PROVIDED IN THE FUTURE. THESE LINETYPES ARE RELATIVE TO THE VIEW | | | | | | | AND REMAIN IN PLACE SO AS TO MAINTAIN SERVICE WHILE ALSO ACCOMMODATING THE GENERAL DEMOLITION AND NEW SCOPE OF WORK. CONTRACTOR SHALL COORDINATE ALL SUCH EFFORTS WITH |
| ING SHOWN IN DRAWINGS IS NOT INTENDED SSARY CONSTRUCTION PHASING, WHICH IS CTOR AS PART OF THEIR RESPONSIBILITIES. | | | | | | | THE CLIENT PRIOR TO IMPLEMENTATION. DAMAGE TO EXISTING AND TO REMAIN IN PLACE TELECOMMUNICATIONS CABLES AND COMPONENTS CAUSED BY THE CONTRACTOR SHALL BE REPAIRED IN |
| N THE CONSTRUCTION DOCUMENTS ARE TO INDICATE A BROAD ORDER FOR THE SAKE | | | | | | | A TIMELY MANNER AND TO THE WRITTEN SATISFACTION OF THE CLIENT AND AT NO ADDITIONAL COST TO THE CLIENT. CONTRACTOR SHALL PROVIDE CABLE SUPPORTS FOR ANY EXISTING CABLES THAT |
| THE FOLLOWING LINETYPES MAY BE USED ON E, LINE, SHAPE, ETC. | _ | | | | | | ARE NOT PROPERLY SUPPORTED. |
| - NEW | | | | | | | |
| | - | | | | | | |
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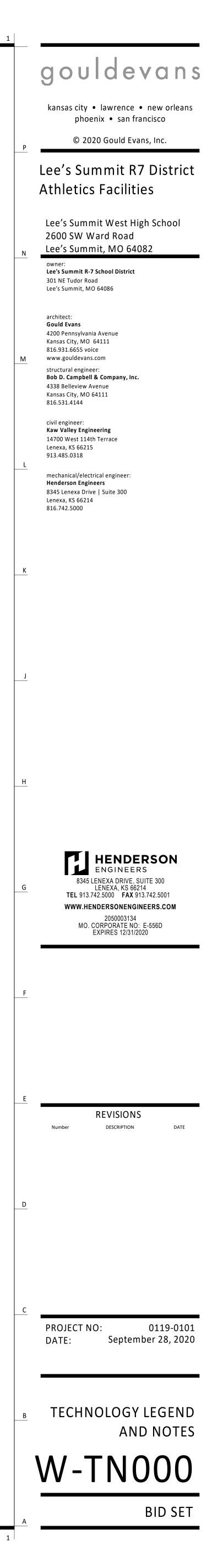
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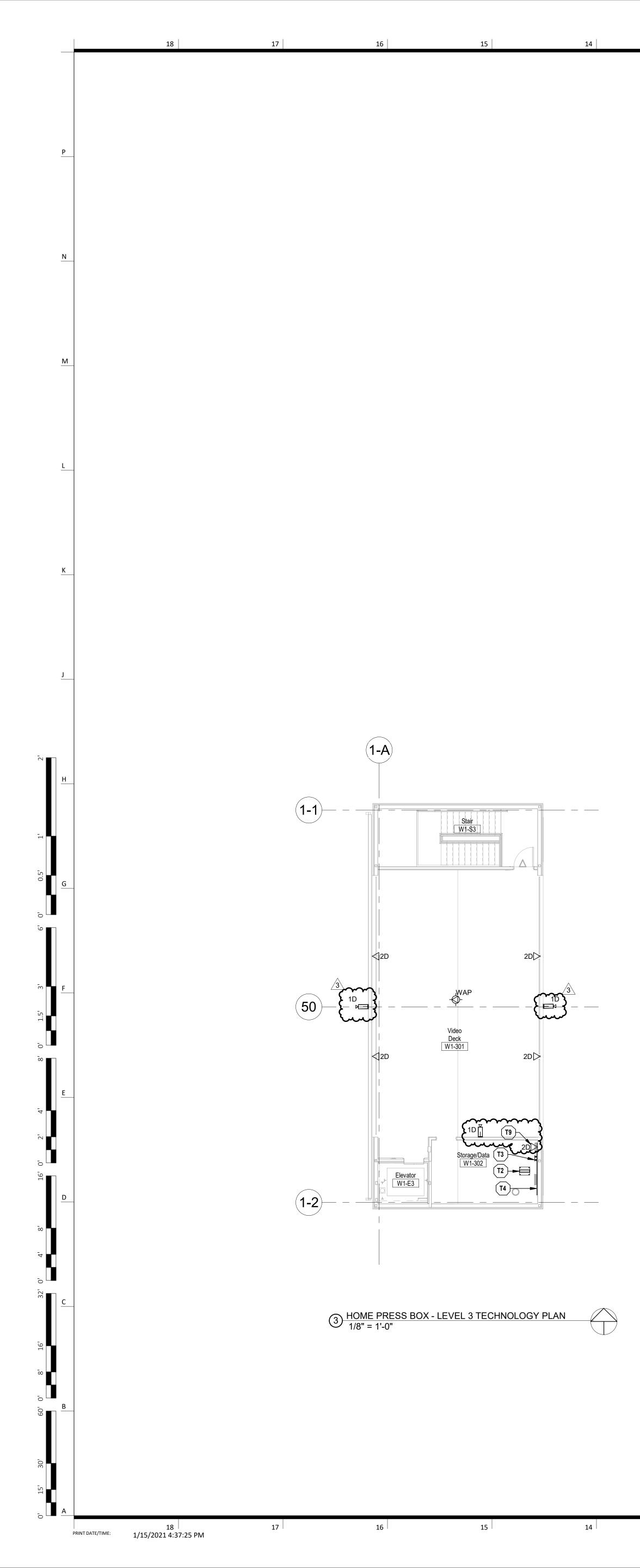
| GENERAL DEMOLITION NOTES | |
|--------------------------|--|
| | |

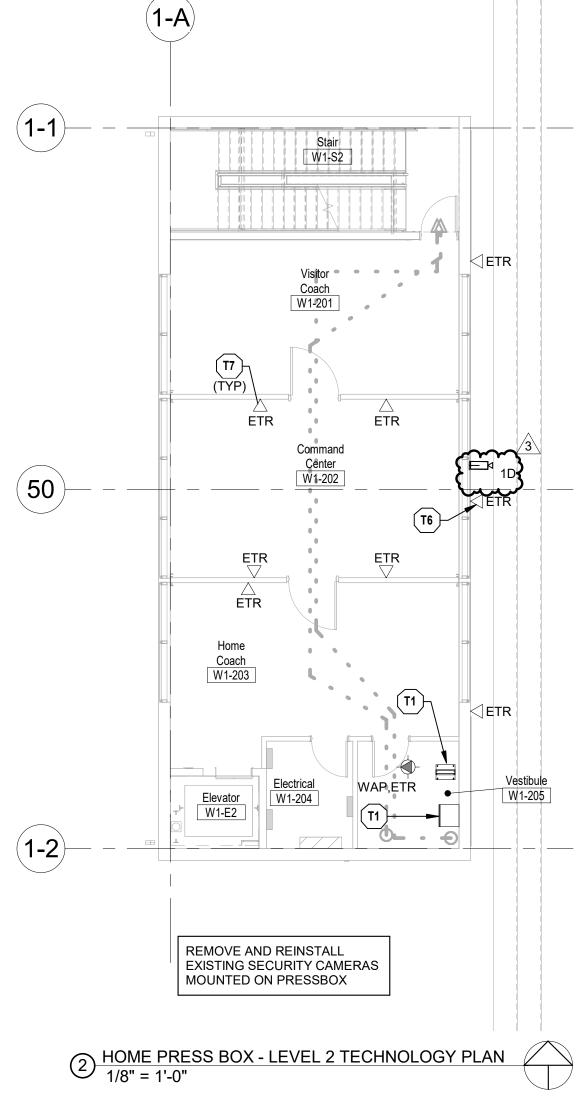
| GEN | ERAL DEMOLITION NOTES |
|-----|---|
| 1. | PRIOR TO SUBMITTING BID, VISIT THE JOB SITE AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS OF THE FACILITY, INCLUDING PATHWAY LOCATIONS AND ELEVATIONS. REVIEW THE GENERAL NOTES AND ALL OTHER TRADE DRAWINGS FOR ADDITIONAL REQUIREMENTS THAT MAY NOT BE CALLED OUT IN THIS PORTION OF THE CONSTRUCTION DOCUMENTS, INCLUDING ALL DEMOLITION AND NEW WORK DOCUMENTS. NOTIFY ARCHITECT, ENGINEER OR OWNER, AS SPECIFIED, OF ANY CONFLICTS OR DISCREPANCIES. |
| 2. | EXISTING CONDITIONS WERE TAKEN FROM ORIGINAL DRAWINGS AND SITE VISITS AND MAY NOT REFLECT EXACT "AS-BUILT" CONDITIONS. FIELD VERIFY CONDITIONS PRIOR TO SUBMITTING FINAL BIDS. COORDINATE NEW WORK AND DEMOLITION WITH OTHER DISCIPLINES AND EXISTING CONDITIONS PRIOR TO CONSTRUCTION. |
| 3. | AVOID DAMAGING EXISTING SURFACES AND EQUIPMENT TO REMAIN FOR NEW INSTALLATION. REPAIR DAMAGE CAUSED DURING WORK AT NO EXTRA COST TO OWNER. |
| 4. | REMOVE ALL PATHWAYS, CABLING AND ASSOCIATED DEVICES FOR ALL ITEMS INTENDED TO BE REMOVED. ABANDONING UNUSED PORTIONS WILL NOT BE ACCEPTABLE. |
| 5. | REMOVE EXISTING ITEMS AS REQUIRED TO ACCOMMODATE THE GENERAL DEMOLITION SCOPE. ANY SYSTEMS PASSING THROUGH THE SPACE INTENDED TO REMAIN IN SERVICE SHALL BE PROTECTED, OR RELOCATED AS REQUIRED TO MAINTAIN SERVICE AND ACCOMMODATE THE GENERAL DEMOLITION AND NEW SCOPE OF WORK. |
| 6. | REFER TO ARCHITECTURAL PLANS FOR SCOPE OF AREAS THAT ARE TO BE DEMOLISHED UNDER THIS PHASE OF CONSTRUCTION. NOTE THAT IN SOME CASES, MEPFT DEMOLITION WORK EXTENDS BEYOND SCOPE OF AREA IDENTIFIED DUE TO EXISTING SYSTEM DESIGN. NOTIFY ARCHITECT AND ENGINEER OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO STARTING WORK. |
| 7. | COORDINATE THE INTERMEDIATE STORAGE, REMOVAL AND FINAL DISPOSITION OF TELECOMMUNICATIONS SCS COMPONENTS (PATHWAYS, CABLE, TERMINATION COMPONENTS, ETC) AND THE REQUIRED PROTECTION OF EXISTING SPECIAL SYSTEMS EQUIPMENT WITH OWNER PRIOR TO IMPLEMENTATION THAT ARE TO BE REMOVED AS A RESULT OF THE DEMOLITION / RENOVATION WORK. |
| 8. | EXISTING TELECOMMUNICATIONS CABLES AND COMPONENTS THAT PASS THROUGH THE CONSTRUCTION ZONE SHALL BE PROTECTED AND REMAIN IN PLACE SO AS TO MAINTAIN SERVICE WHILE ALSO ACCOMMODATING THE GENERAL DEMOLITION AND NEW SCOPE OF WORK. CONTRACTOR SHALL COORDINATE ALL SUCH EFFORTS WITH THE CLIENT PRIOR TO IMPLEMENTATION. DAMAGE TO EXISTING AND TO REMAIN IN PLACE TELECOMMUNICATIONS CABLES AND COMPONENTS CAUSED BY THE CONTRACTOR SHALL BE REPAIRED IN A TIMELY MANNER AND TO THE WRITTEN SATISFACTION OF THE CLIENT AND AT NO ADDITIONAL COST TO THE CLIENT. CONTRACTOR SHALL PROVIDE CABLE SUPPORTS FOR ANY EXISTING CABLES THAT ARE NOT PROPERLY SUPPORTED. |
| | |

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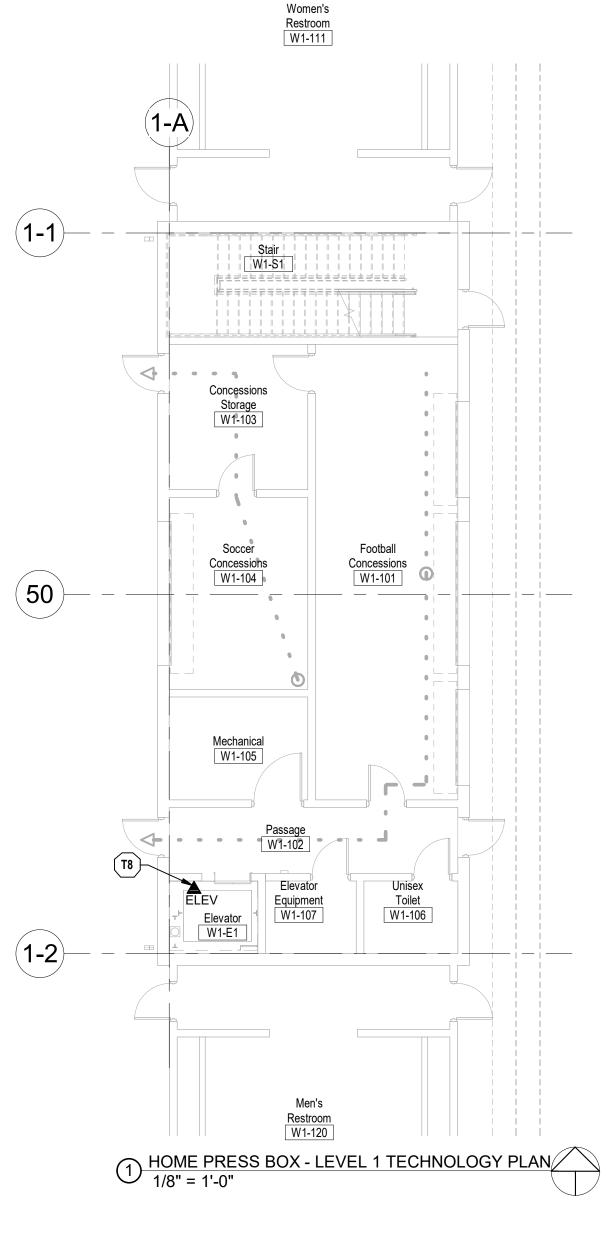
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Key Plan: Ŀ

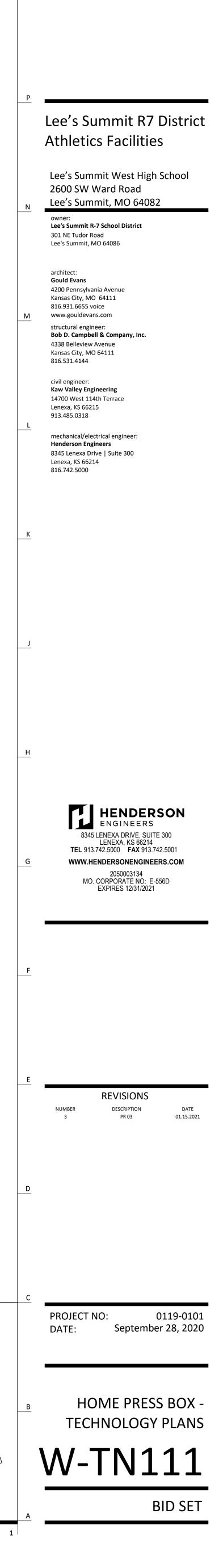


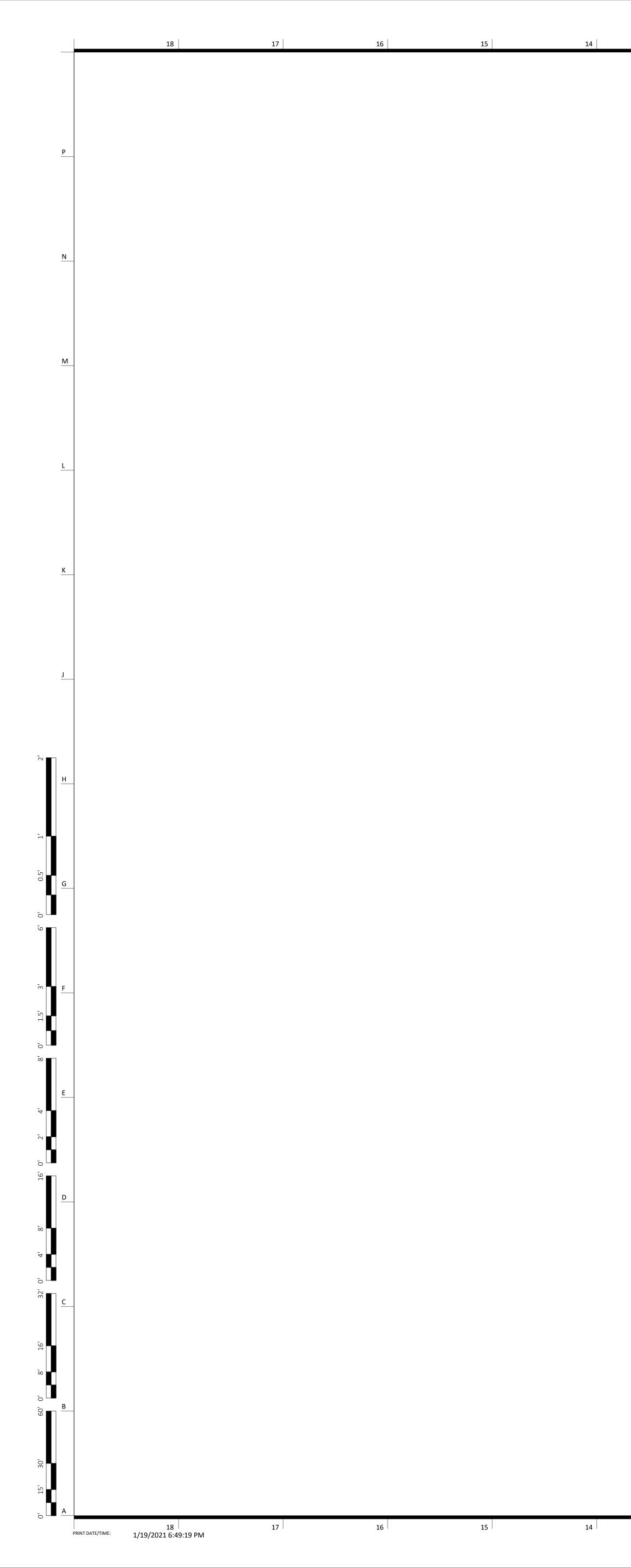
| \bigcirc | TECHNOLOGI I LAN NOTED. |
|------------|---|
| Τ1 | EXISTING RACK TO BE RELOCATED. CONTRACTOR TO PROVIDE OWNER 7 DAYS NOTICE FOR RACK REMOVAL FOR OWNER TO REMOVE FROM CONSTRUCTION AREA AND PROTECT RACK. |
| Τ2 | NEW LOCATION FOR INSTALLATION OF EXISTING RACK AFTER CAMERA DECK ERECTION IS COMPLETE. PULL NEW 6 STRANDS OF SINGLE MODE FIBER CABLING FROM LSW MAIN TELECOM ROOM. COORDINATE LOCATION AND PATHWAY WITH OWNER. |
| Т3 | TELECOMMUNICATIONS GROUNDING BUS BAR (TGB) MOUNTED AT 7'-0"AFF. SEE TELECOMMUNICATIONS DIVISION 27 SPECIFICATIONS FOR ADDITIONAL INFORMATION. |
| T4 | TELECOMMUNICATIONS BACKBOARD. GRADE A/C 3/4" FIRE RATED PLYWOOD BACKBOARD (UNPAINTED) AT LEAST 4'-0"X4'-0" MOUNTED ON WALL BEHIND RACK AS SHOWN ON PLANS. THE A SIDE SHALL BE EXPOSED TO THE INTERIOR OF THE ROOM AND THE C SIDE PLACED AGAINST THE BUILDING STRUCTURE. SEE TELECOMMUNICATIONS DIVISION 27 SPECIFICATIONS FOR ADDITIONAL INFORMATION. |
| Т6 | EXISTING HUDL CAMERA TO REMAIN. |
| Τ7 | DATA OUTLET EXISTING TO REMAIN. PROVIDE NEW CABLING RUN TO RELOCATED RACK IN STORAGE/DATA W1-302. |
| | ELEVATOR PHONE OUTLET. COORDINATE EXACT REQUIREMENTS WITH ELEVATOR PROVIDER. DATA OUTLET FOR SECURITY PANEL. COORDINATE |
| T9 | MOUNTING HEIGHT WITH SECURITY CONTRACTOR PRIOR TO |

ROUGH-IN.

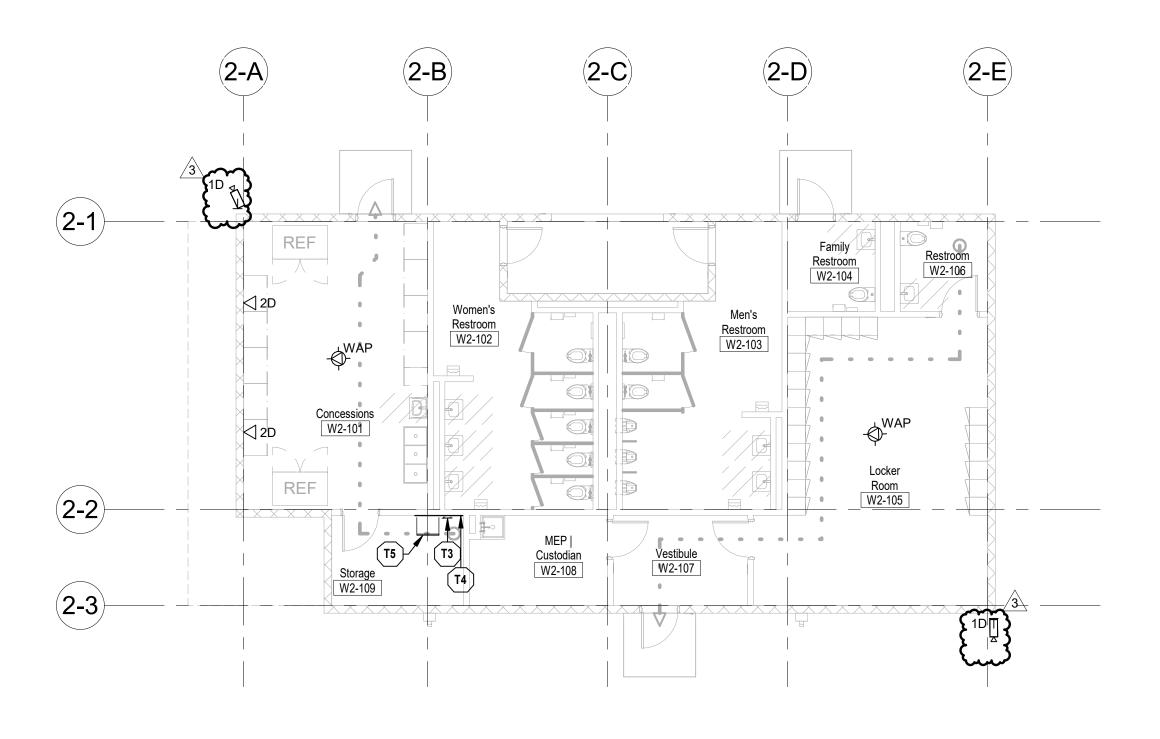
TECHNOLOGY PLAN NOTES:

| 1 | 3 |
|---|---|







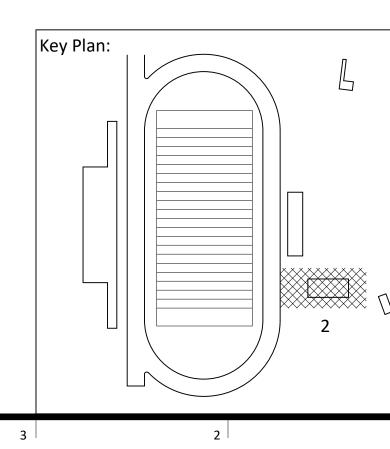


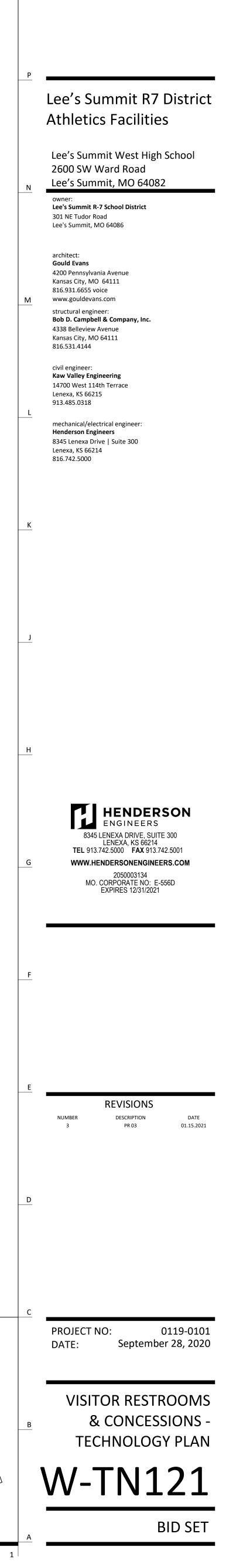
 $1 \frac{\text{VISITOR RESTROOMS/CONCESSIONS - TECHNOLOGY PLAN}}{1/8" = 1'-0"}$

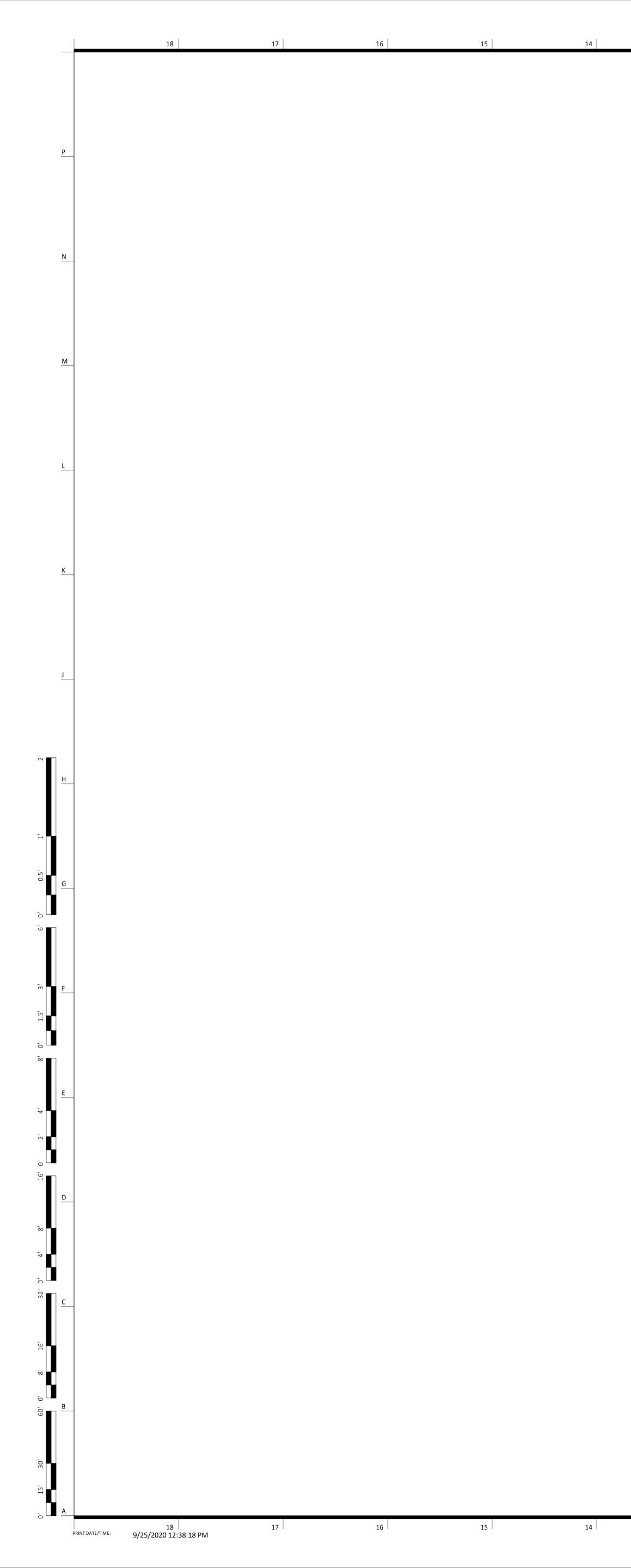
| 7 | 6 | 5 | 4 | 3 | 2 | |
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- **TECHNOLOGY PLAN NOTES:**
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- T5 NEW WALL MOUNTED RACK. MOUNT ON TELECOMMUNICATIONS BACKBOARD. SEE TELECOMMUNICATIONS DIVISION 27 SPECIFICATIONS FOR ADDITIONAL INFORMATION.

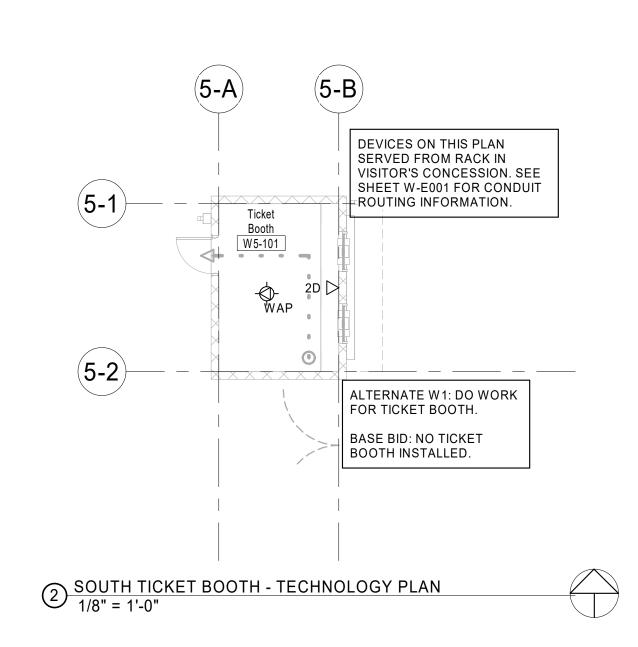


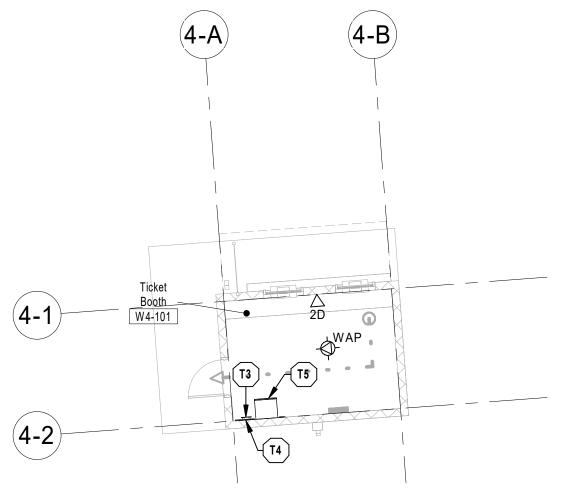






| 13 | 12 | 11 | 10 | 9 | 8 |
|----|----|----|----|---|---|
| | | | | | |





 $1 \frac{\text{NORTH TICKET BOOTH - TECHNOLOGY PLAN}}{1/8" = 1'-0"}$

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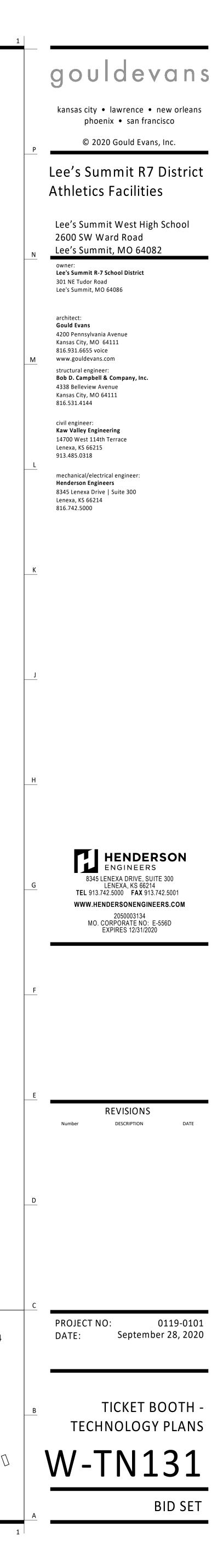
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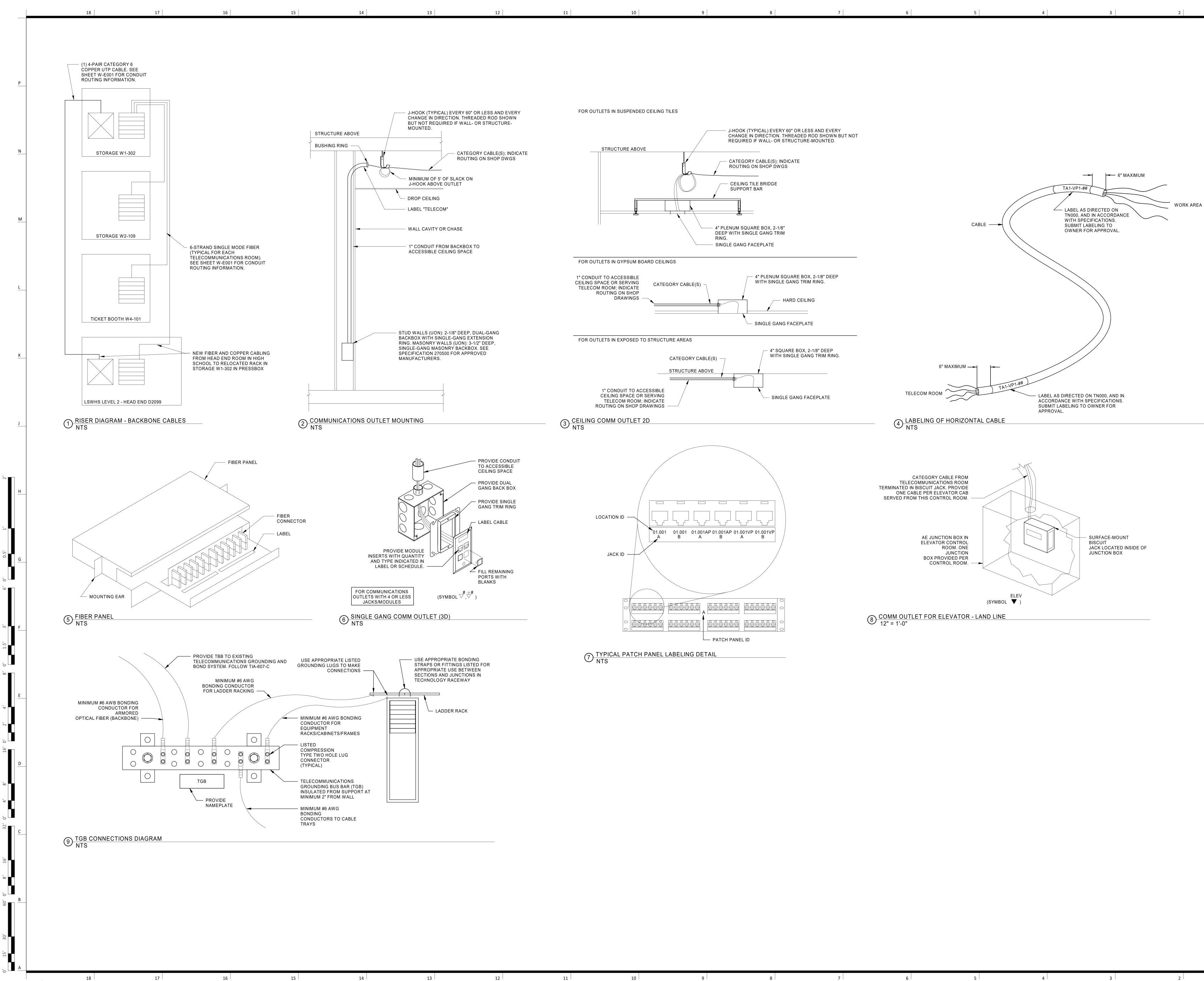
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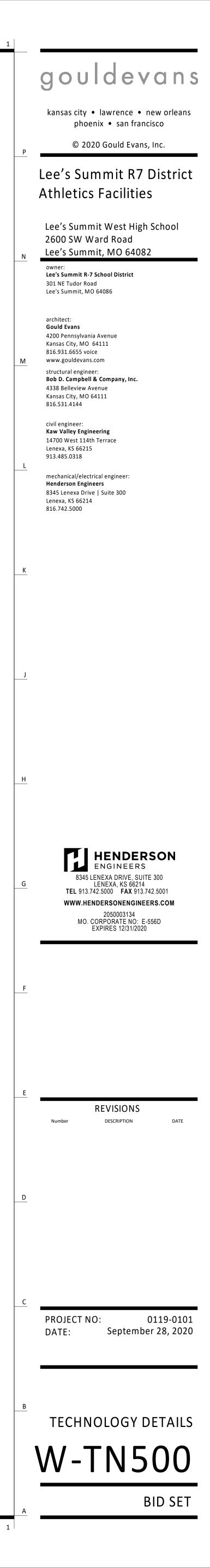
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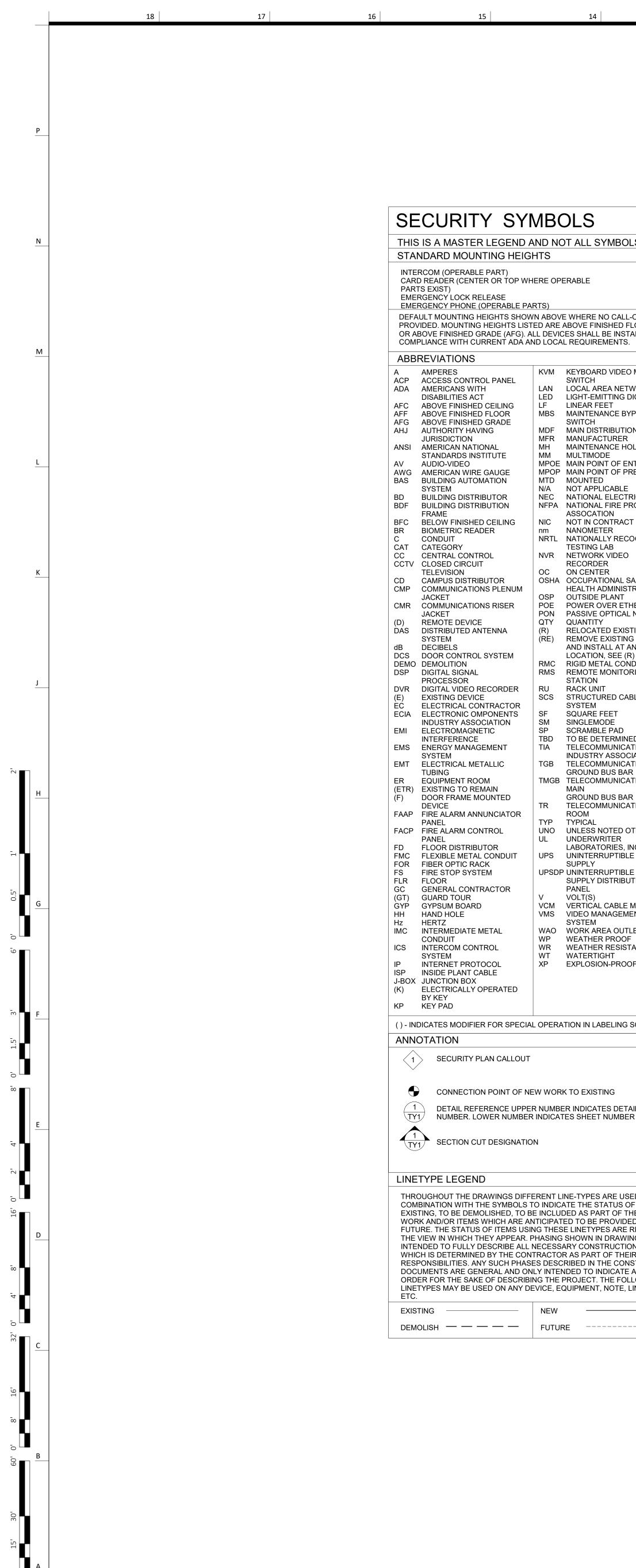
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Key Plan: 4 3









| _S OR ABBR | REVIATIONS ARE USED. | |
|---------------------------|--|---|
| 40" | SECURITY SYMBOLS | |
| 48" 44" | AREA OF REFUGE CALL BOX | CONTRACTOR SHALL SUPPORT ALL CABLE WITH APPROVED PATHWAY. ALL CABLES SHALL BE ROUTED PARALLEL AND PERPENDICULAR TO THE BUILDING STRUCTURE |
| 48" 48" | CR CARD READER (W) WALL MOUNT | ALL CABLES SHALL BE ROOTED PARALLEL AND PERPENDICULAR TO THE BUILDING STRUCT DOOR HARDWARE AND OPENING CONDITIONS SHOULD BE EVALUATED PRIOR TO CONDU |
| OUT IS | | 4 PROVIDE CONDUIT SLEEVE WITH NYLON BUSIHNGS FOR NON-RATED WALL PENENTRATIC |
| loor (AFF) Alled in | $\langle DO \rangle$ DOOR OPERATOR, PUSH BUTTON | 5 PROVIDE CONDUIT SLEEVE WITH NYLON BUSHINGS FOR OVERHEAD CEILINGS THAT BLOC |
| | (DB) DOOR BELL (PB) PUSH BUTTON | THAN FORTY (40) PERCENT FILL. |
| MOUSE | | 6 PROVIDE UL LISTED FIRESTOP ASSEMBLY AT FIRE WALL PENETRATIONS FOR COMMUNICA |
| NORK | DOOR POSITION SWITCH SEE ARCHITECTURAL DOOR HARDWARE SCHEDULE | 7 CONTRACTOR SHALL COORDINATE ALL SECURITY AND CABLING PATHWAYS WITH OTHER |
| NODE | DOOR POSITION SWITCH AND LATCHBOLT MONITOR SEE ARCHITECTURAL DOOR HARDWARE SCHEDULE | 8 FULLY COORDINATE ALL CONDUIT ROUTING WITH STRUCTURAL ELEMENTS. COORDINATE TO INSTALLATION. ROUTING IN OR UNDER THE SLAB FLOOR REQUIRES THE USE OF CABL |
| PASS | $\langle EL \rangle$ ELECTRIFIED LOCKING DEVICE, REQUEST TO EXIT, DOOR | 9 VERIFY ALL CAMERA LOCATIONS PRIOR TO ROUGH-IN. FIELD OF VIEW SHALL NOT BE OBS |
| N FRAME | POSITION SWITCH, AND LATCH BOLT MONITOR SEE ARCHITECTURAL DOOR HARDWARE SCHEDULE | AND SIGNAGE. |
| | (EO) ELECTRIFIED LOCKING DEVICE | 10 ALL WIRING SHALL BE INSTALLED COMPLETE AND UNSPLICED FROM THE SERVING EQUIP |
| NTRANCE RESENCE | SEE ARCHITECTURAL DOOR HARDWARE SCHEDULE | 11 REFER TO TN0.1 FOR TECHNOLOGY RESPONSIBILITY MATRIX THAT ALSO DESCRIBES SEC |
| RICAL CODE | EP EMERGENCY PHONE | SECURITY ROUGH-IN AND CABLING SCHEDULE |
| ROTECTION | GB GLASS BREAK DETECTOR | SYMBOL DESCRIPTION BACK BOX CONDUIT CABLE(S) Image: Complex C |
| Г | (CR) WITH CARD READER | W/DPS AND REX DOOR FRAME |
| OGNIZED | (DS) DOOR STATION (RS) RECEIVING (MASTER) STATION | LEL REX PIR MOTION DETECTOR 1-GANG MUD RING D |
| | | DOOR FRAME |
| AFETY AND | (ST) STROBE (INTERCOM VISUAL NOTIFICATION) (KP) KEYPAD | HCR/WALL 1-GANG MUD RING SECURITY CARD READER N/A |
| RATION | (ID) INTRUSION DETECTION SYSTEM | PEDESTAL SECURITY CAMERA, CEILING - 2-GANG BACKBOX WITH (1) 3/4" EMT A N |
| IERNET NETWORK | (AC) ACCESS CONTROL | PENDANT PROVIDER'S MOUNT |
| TING DEVICE | | SURFACE 1-GANG MUD RING SECURITY CAMERA WALL - 2-GANG BACKBOX WITH (1) 3/4" EMT A 9 |
| G DEVICE NOTHER | MD MOTION DETECTOR (PL) PANIC ALARM THREE-COLOR INDICATOR LIGHT | H_A INTERIOR 1-GANG MUD RING SECURITY CAMERA, WALL - 2-GANG BACKBOX WITH (1) 3/4" EMT A 1 |
| () DUIT | PB PANIC/DURESS BUTTON | HN EXTERIOR PROVIDER'S PLATE L/IC SECURITY INTERCOM, WALL 2-GANG BACKBOX WITH (1) 3/4" EMT A,F 4 |
| RING | $\langle \overline{RE} \rangle$ REQUEST-TO-EXIT PUSH PAD | SECURITY INTERCOM, N/A (1) 1"EMT A, F 4 |
| BLING | REMOTE UNLOCK/OPEN BUTTON | Image: PEDESTAL Image: PEDESTAL IPB1 SECURITY PANIC BUTTON, 1-GANG BACKBOX WITH (1) 1/2" EMT F N |
| | ML MICROPHONE STATUS LIGHT, WALL MOUNT | DOOR POSTION SWITCH N/A (1) 1/2" EMT TO F N |
| ED | MP MICROPHONE | DOOR POISTION SWITCH, 1-GANG JUNCTION BOX (1) 3/4" EMT F N OVERHEAD DOOR 0 |
| TIONS IATION | MS MICROPHONE MUTE ILLUMINATED SWITCH | HOO DOOR OPERATOR, PUSH 2-GANG BACKBOX WITH (1) 3/4" EMT F 4 BUTTON 1-GANG MUD RING |
| TIONS R | S SPEAKER (DOOR BELL) | DEFAULT MOUNTING HEIGHTS SHOWN ABOVE WHERE NO CALL-OUT IS PROVIDED. MOUNTING |
| TIONS | SP PAGING SPEAKER | FINISHED FLOOR (AFF) OR ABOVE FINISHED GRADE (AFG). ALL DEVICES SHALL BE INSTALLED I ADA AND LOCAL REQUIREMENTS. |
| R TIONS | | CABLE TYPES |
| | WC WATER CONTROL VALVE VALVE BY DIVISION 22, CONTROL BY DIVISION 28 | A CATEGORY 6 CABLE |
| THERWISE | WT WATCH TOUR | B 22 AWG, 6C SHIELDED |
| NC. E POWER | | C 16 AWG, 4C SHIELDED |
| E POWER TION | | D 22 AWG, 2C UNSHIELDED (SHIELDED IF PART OF ACCESS CONTROL COMPOSITE CABLE) |
| | | E 22 AWG, 4C UNSHEILDED (SHIELDED IF PART OF ACCESS CONTROL COMPOSTIE CABLE) F 18AWG, 4C UNSHIELDED |
| MANAGER ENT | SECURITY CAMERAS | CABLE TYPES SHOWN ABOVE ARE TYPICAL FOR CABLE DISTANCES LESS THAN 250 FEET. REFI |
| ET | □ FIXED CAMERA (□ TWO IMAGER CAMERA | INSTALLATION REQUIREMENTS FOR LONGER DISTANCES. COORDINATE WITH DOOR HARDWAR CABLING REQUIREMENTS FOR LOCK POWER. |
| ANT | PTZ CAMERA → FOUR IMAGER CAMERA | |
|)F | | |
| | 180 CAMERA | |
| | MOUNTING TYPE SYMBOLS (APPLIES TO ANY SECURITY DEVICE SYMBOL) | |
| SCHEME | | |
| | CEILING MOUNT − H□⊐≉ WALL MOUNT | |
| | POLE / BOLLARD MOUNT | |
| | CORNER MOUNT | |
| | PENDANT MOUNT | |
| λΙL | WALL MOUNT PENDANT ARM | |
| २ | | _ |
| | LABELING SCHEME SECURITY DEVICES (TYPICAL) | |
| | | |
| | A XX MODIFIER FOR SPECIAL | |
| ED IN | | |
| F ITEMS AS HE NEW | YY: DEVICE TYPE | |
| ED IN THE RELATIVE TO | SEE MATCHING SCHEDULES ON THIS SHEET (IF APPLICABLE | |
| NGS IS NOT NN PHASING, | SECURITY CAMERAS (TYPICAL) | |
| R STRUCTION | C-XX | |
| A BROAD LOWING | AA: CAMERA TYPE (SEE CAMERA ##' AFF_ AA: CAMERA TYPE (SEE CAMERA | |
| INE, SHAPE, | FOR WALL MOUNTED CAMERAS, HEIGHT | |
| | ABOVE FINISHED FLOOR | |
| | SEE MATCHING SCHEDULES ON THIS SHEET (IF APPLICABLE | |
| | | 1 |

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ES SECURITY COMPONENTS. MOUNTING HEIGHT DETAIL TY501 90" AFF OR 6" ABOVE TY501 DOOR FRAME TY501 TY501 44" AFF (CENTER) TY502/1 42" AFF (CENTER) TY500/3 TY500/2 TY500/1 9' - 0" AFF 10' - 0" AFF TY500/1 48" AFF TY501 TO PUSH BUTTON 42" AFF TY502/1 TO PUSH BUTTON TY501/5 TY500/4,5 TY500/6 TY501 44" AFF JNTING HEIGHTS LISTED ARE ABOVE ALLED IN COMPLIANCE WITH CURRENT

EQUIPMENT PANEL TO DEVICE.

N/A

N/A

N/A

N/A

N/A

N/A

N/A

E OBSTRUCTED BY OTHER ELEMENTS INCLUDING, BUT NOT LIMITED TO, EXIT SIGNS, LIGHT FIXTURES, MILLWORK, SPRINKLERS, CURTAINS,

F CABLE RATED FOR A WET ENVIRONMENT.

OTHER DIVISIONS (08, 21, 22, 23, 26, AND 27) PRIOR TO INSTALL OF DUCTWORK, PIPING, CONDUITS, AND ETC. DINATE CONDUIT INSTALLATIONS WITH ARCHITECT, STRUCTURAL ENGINEER, STRUCTURAL CONTRACTOR, AND GENERAL CONTRACTOR PRIOR

MUNICATIONS CABLES. MATERIAL AND INSTALLATION SHALL MAINTAIN THE RATED CAPACITY OF WALL AND MEET ALL APPLICABLE CODES.

T BLOCK ACCESS FOR MOVE/ADD/CHANGES TO CABLE PATHWAY, LIKE HARD GYPSUM CEILING. PATHWAYS SHALL BE SIZED FOR NO MORE

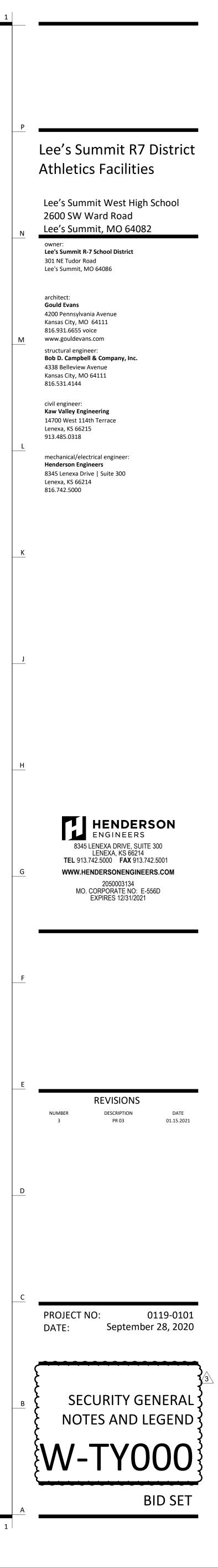
TRATIONS FOR COMMUNICATIONS CABLES. PATHWAYS SHALL BE SIZED FOR NO MORE THAN FORTY (40) PERCENT FILL.

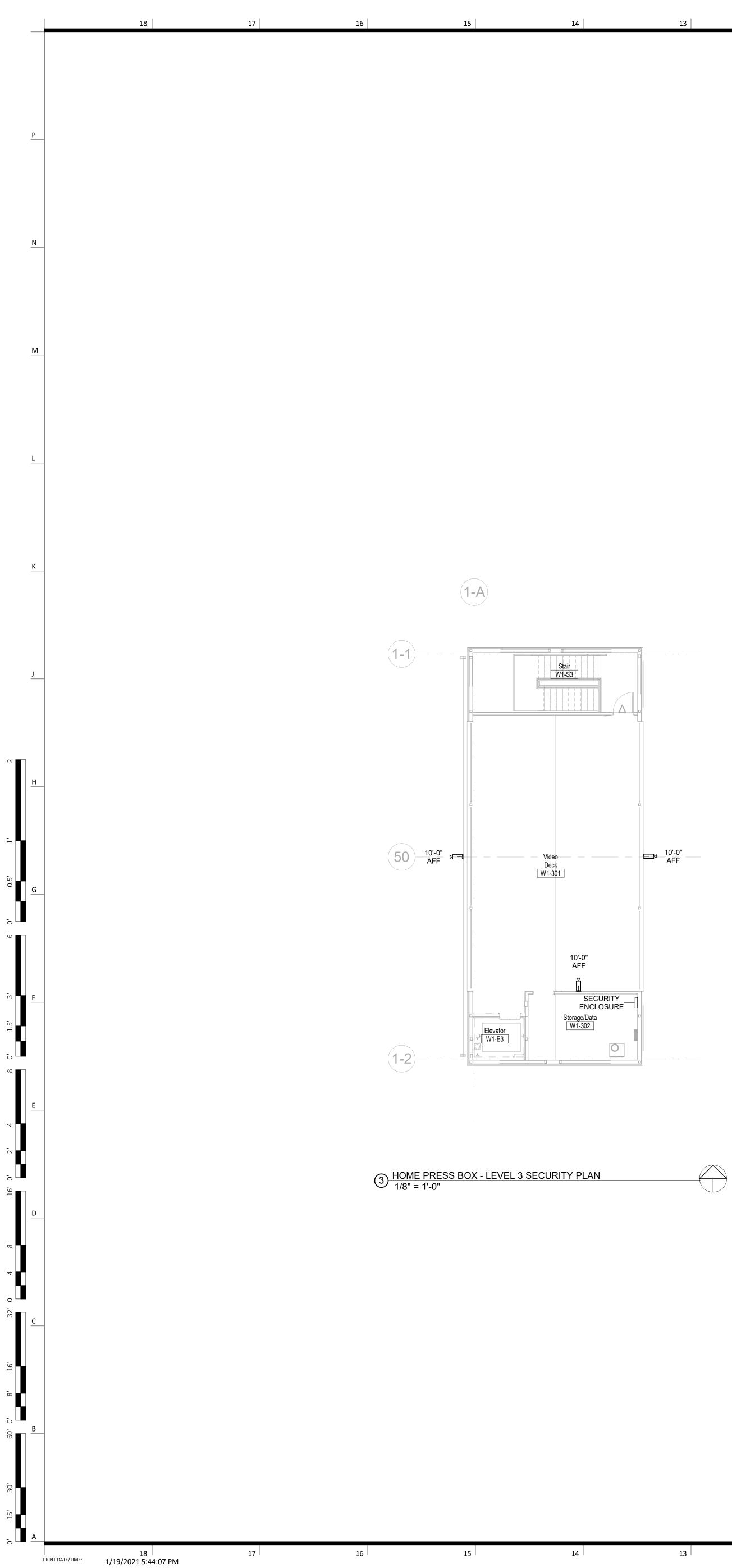
CONDUIT AND CABLING INSTALLATION AND COORDINATED WITH DIVISION 08.

STRUCTURE, UNLESS OTHERWISE NOTED.

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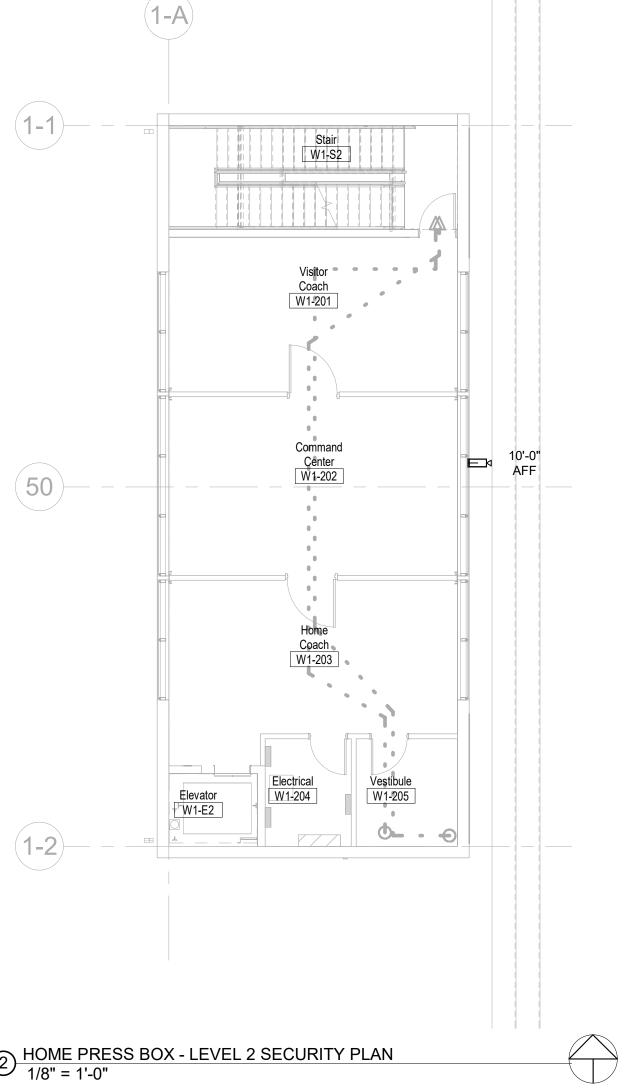
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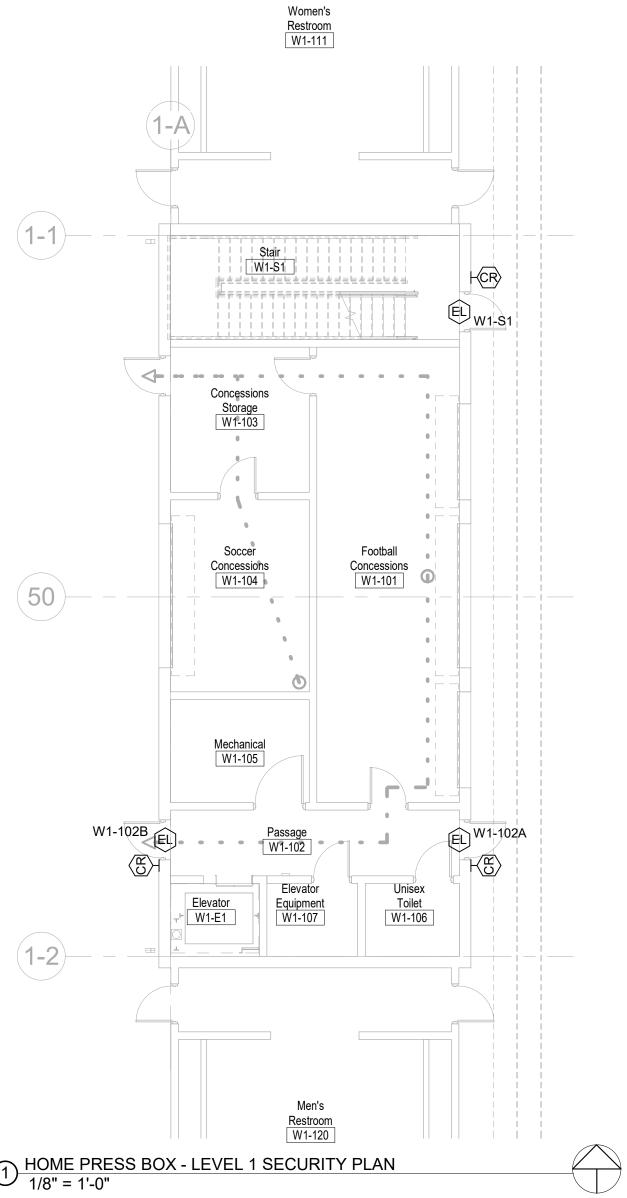




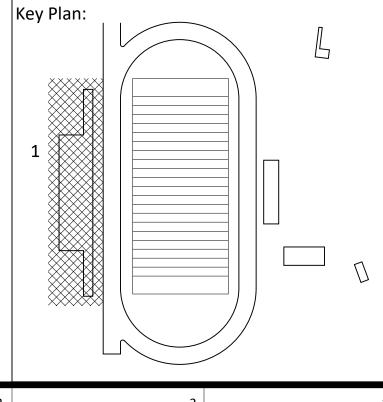




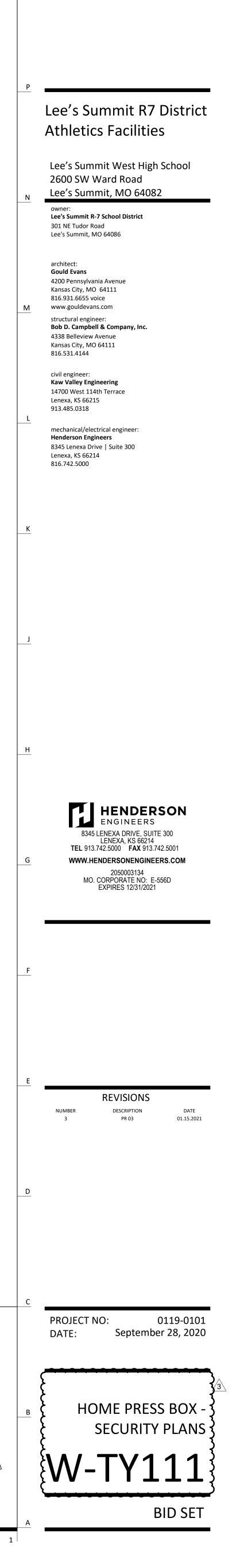


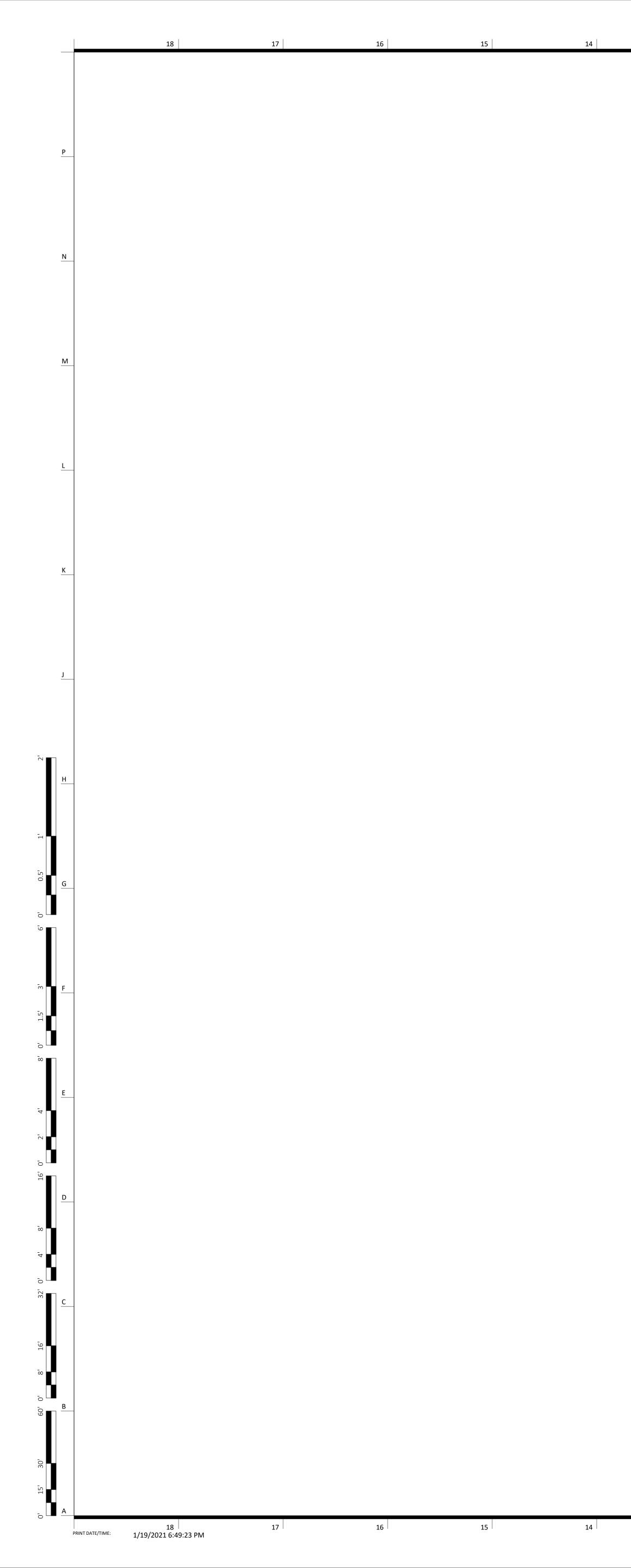


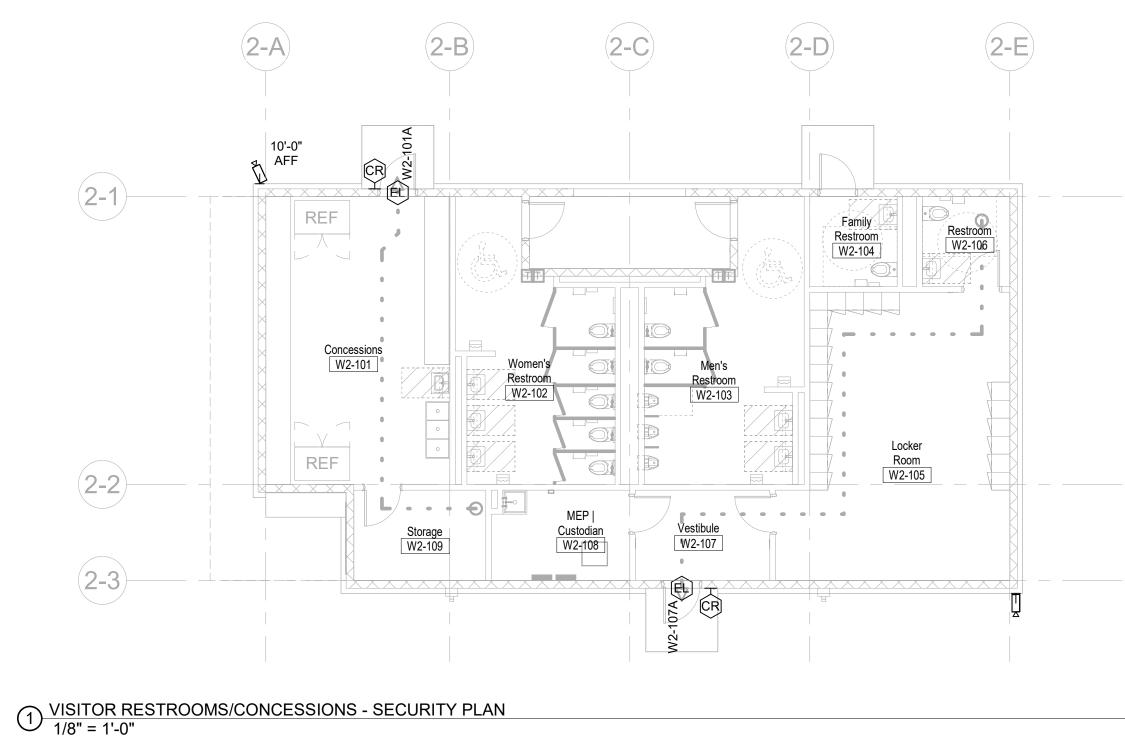




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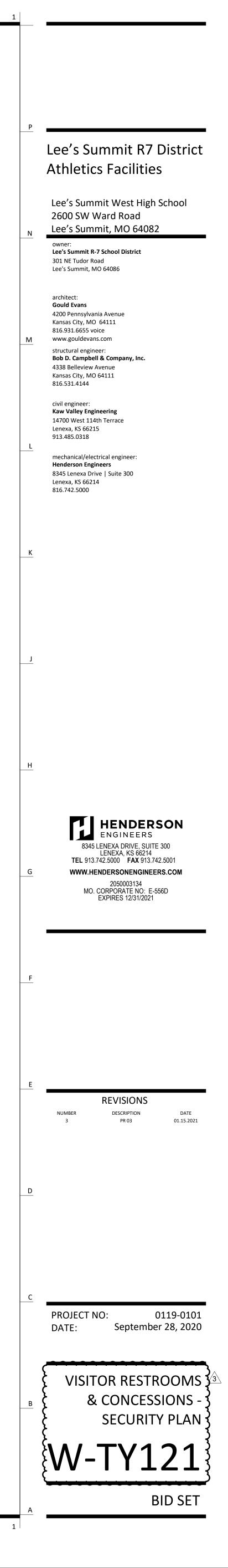


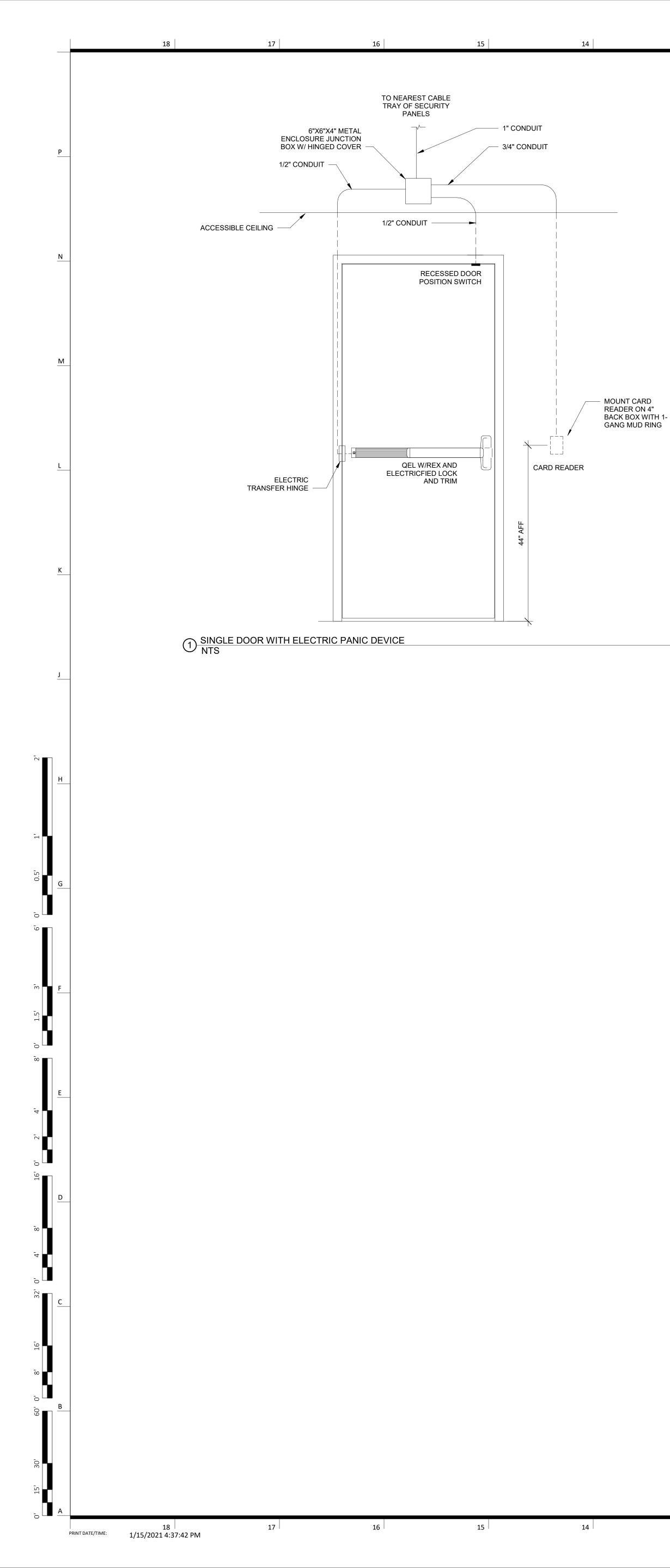
11 10

10'-0" AFF

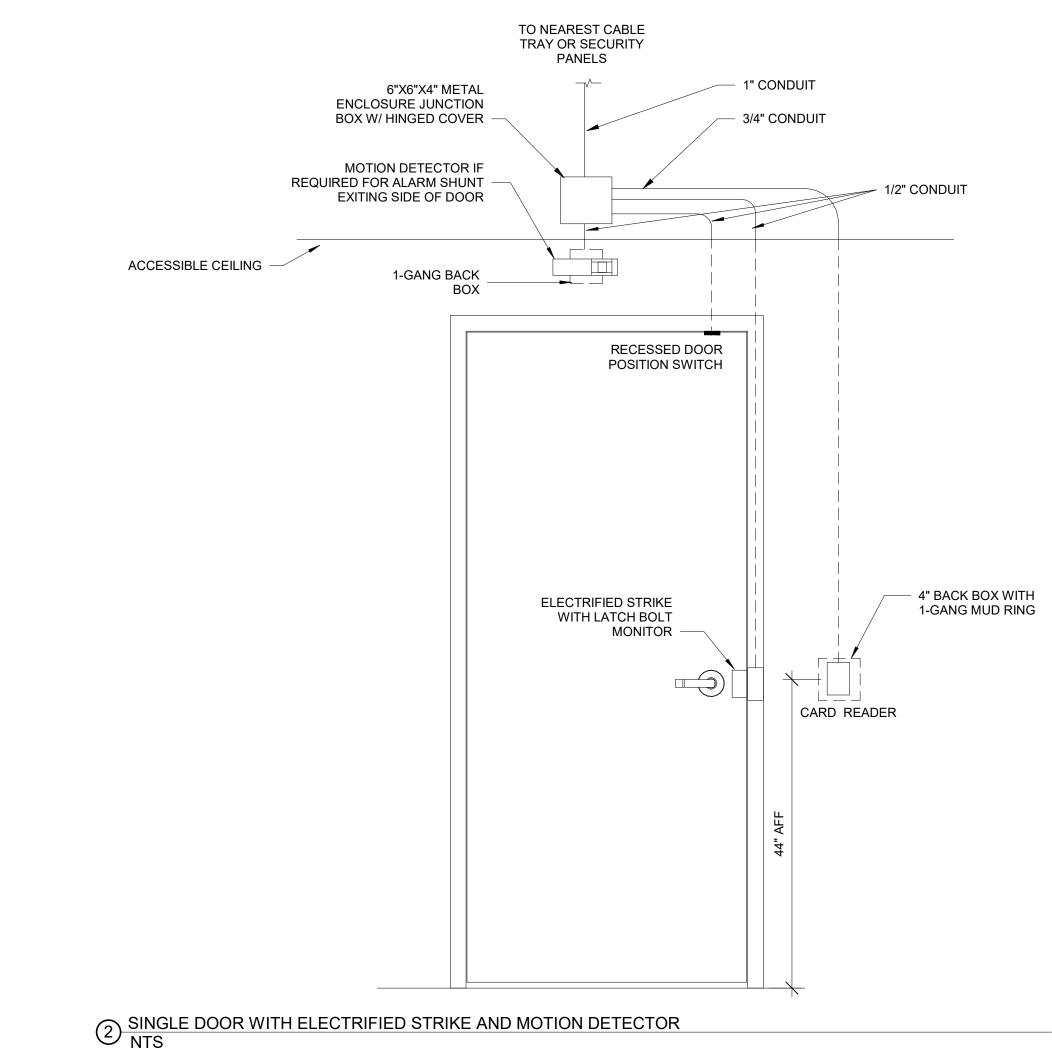
| 7 | 6 | 5 | 4 | 3 | 2 |
|---|---|---|---|---|---|
| | | | | | |



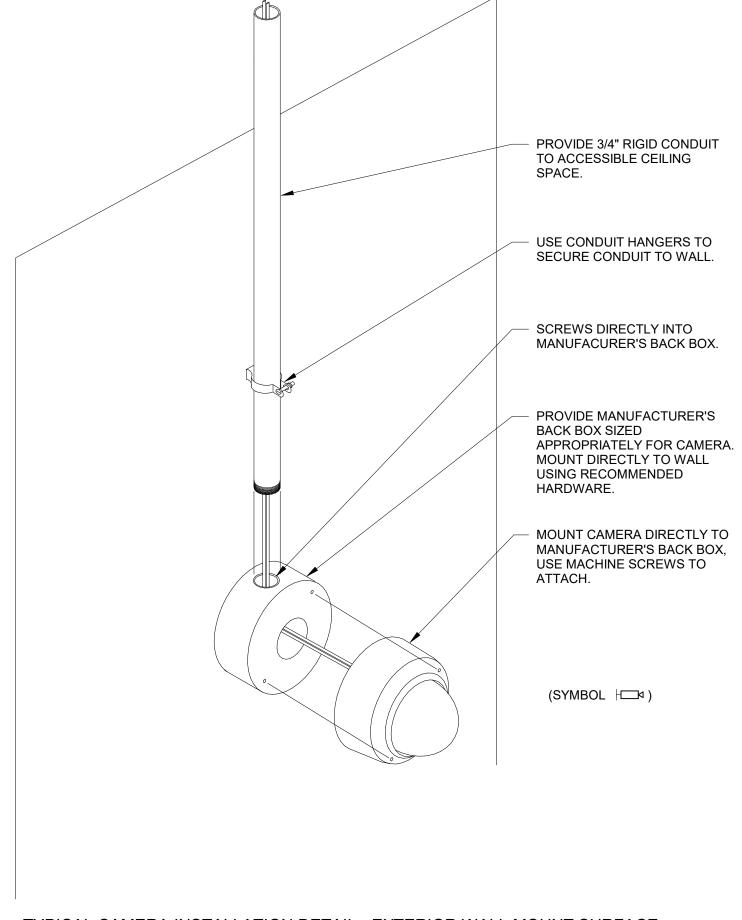












3 TYPICAL CAMERA INSTALLATION DETAIL - EXTERIOR WALL MOUNT SURFACE NTS

