

IDAS

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STRUCTURAL

ABS CONSULTING

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IRVINE, CA 96602-1300
TEL. (714) 734-4242
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INDEX

(NONE - MERGED W/ ARCH. DWG.)

MECH. & PLUMBING

(NONE)

INDEX

(NONE - MERGED W/ ARCH. DWG.)

ELECTRICAL

A&F ENGINEERING GROUP

9320 BASELINE RD. SUITE C
RANCHO CUCAMONGA, CA 91701

TEL. (909) 941-3008
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FURNITURE

KI

1330 BELLEVUE STREET
GREEN BAY, WI 54302

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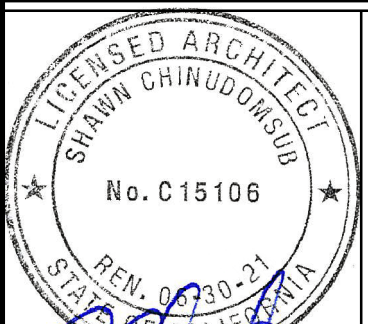
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Architect's Date:



Architect's Stamp:

Consultants Stamp:

CODES & REGULATIONS

2019 CALIFORNIA BUILDING CODE (CBC) PART 2, VOLUMES 1 AND 2, TITLE 24 [BASED ON 2018 INTERNATIONAL BUILDING CODE]
2019 CALIFORNIA ELECTRICAL CODE (CEC) PART 3, TITLE 24 [BASED ON 2017 NATIONAL ELECTRICAL CODE]
2019 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 [BASED ON 2018 UNIFORM MECHANICAL CODE]
2019 CALIFORNIA PLUMBING CODE (CPC) PART 5, TITLE 24 [BASED ON 2018 UNIFORM PLUMBING CODE]
2019 CALIFORNIA FIRE CODE (CFC) PART 9, TITLE 24 [BASED ON 2018 INTERNATIONAL FIRE CODE]
2019 CALIFORNIA REFERENCED STANDARD CODE, PART 12, TITLE 24
TITLE 19, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
PARTIAL LIST OF APPLICABLE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) STANDARDS
NFPA 13, 2016 EDITION - INSTALLATION OF SPRINKLER SYSTEMS (AS AMENDED BY CSFM)
NFPA 14, 2016 EDITION - INSTALLATION OF STANDPIPE AND HOSE SYSTEMS (AS AMENDED BY CSFM)
NFPA 17A, 2017 EDITION - WET CHEMICAL EXTINGUISHING SYSTEMS
NFPA 24, 2016 EDITION - INSTALLATION OF PRIVATE FIRE SERVICE MAINS (AS AMENDED BY CSFM)
NFPA 25, (2013 CALIFORNIA EDITION, BASED ON NFPA 25, 2011 EDITION) - INSPECTION, TESTING & MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS
NFPA 72, 2016 EDITION - NATIONAL FIRE ALARM AND SIGNALING CODE (AS AMENDED BY CSFM)
NFPA 80, 2016 EDITION - FIRE DOORS AND OTHER OPENING PROTECTIVES
REFER TO CBC CHAPTER 35 FOR ADDITIONAL STANDARDS NOT PROVIDED ON THIS LIST.

EVALUATION REPORTS

1. ALL POWER-ACTUATED FASTENERS (SHOT PINS) SHALL BE HILTI LOW VELOCITY X-U, CONFORMING TO ICC-ES ESR-2269.
2. ALL POWER-ACTUATED CEILING CLIP ASSEMBLIES SHALL BE HILTI X-CW U27, CONFORMING TO ICC-ES ESR-2892.
3. ALL EXPANSION ANCHORS IN CONCRETE SHALL BE HILTI KWIK BOLT TZ CONFORMING TO ICC-ES ESR 1917.
4. ALL EXPANSION ANCHORS IN CMU SHALL BE HILTI KWIK BOLT 3 CONFORMING TO ICC-ES ESR 1385.
5. ALL METAL STUDS SHALL CONFORM TO ICC-ES ER-3016 OR ER-3064P.
6. ALL SUSPENDED ACOUSTICAL CEILING GRIDS SHALL BE PER ICC-ES ESR 1289, ESR 1308 AND ESR 2681.

FIRE DEPARTMENT NOTES

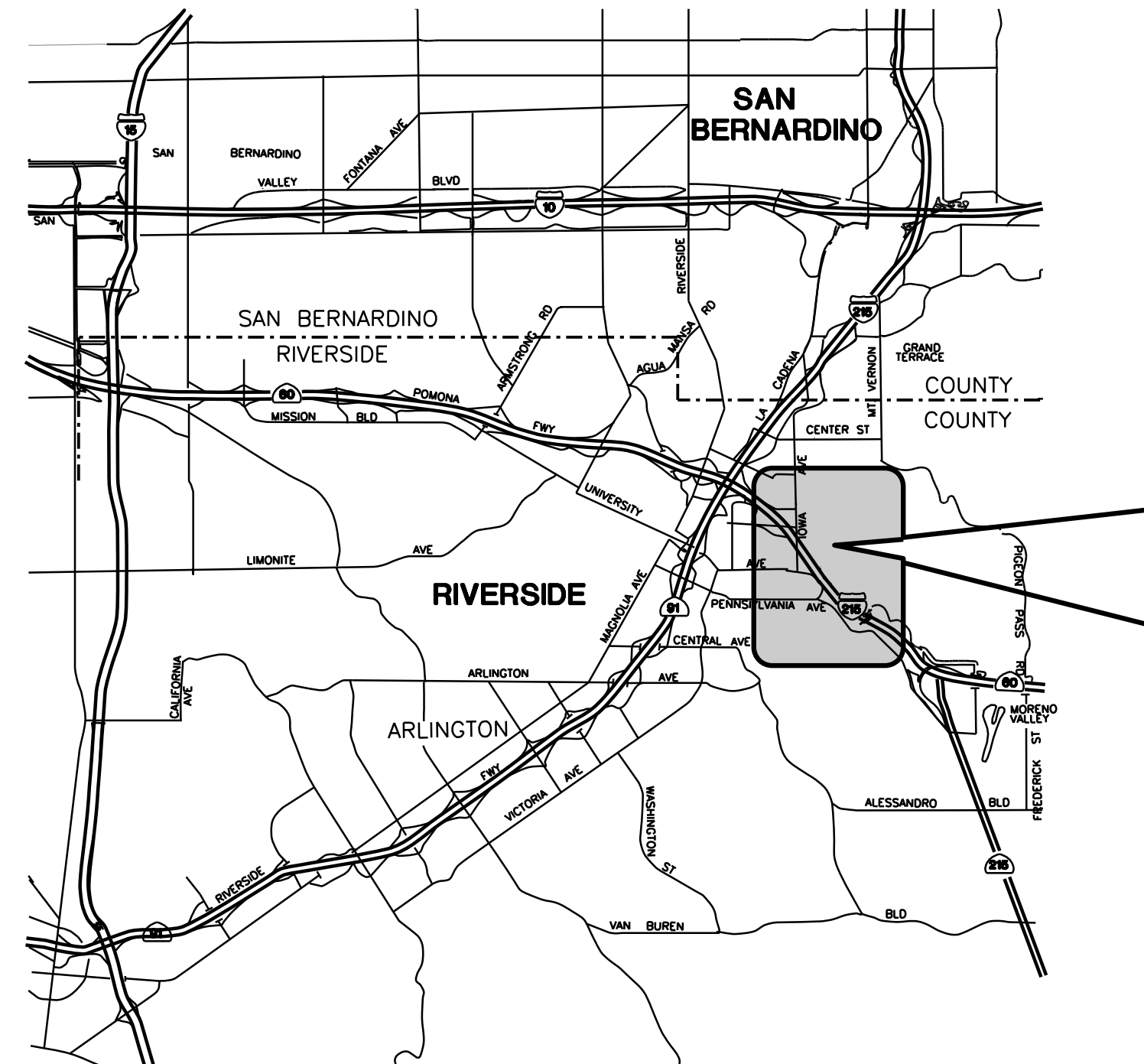
1. PROVIDE FIRE ALARM MONITORING PLANS FOR APPROVAL UNDER SEPARATE PERMIT.
2. PROVIDE 2A-10:BC RATED FIRE EXTINGUISHER INSIDE PROJECT AREA AT ALL TIME..
3. FIRE EXTINGUISHERS SHALL BE PROVIDED PRIOR TO OCCUPANCY. FIRE EXTINGUISHERS SHALL BEAR A CALIFORNIA STATE FIRE MARSHAL'S SERVICE TAG; IT SHALL BE APPROPRIATELY RATED FOR THE HAZARD; SHALL BE MOUNTED SO THAT TOP OF THE EXTINGUISHERS IS NO HIGHER THAN FIVE (5) FEET; AND SHALL BE LOCATED SUCH THAT TRAVEL DISTANCE TO AN EXTINGUISHER DOES NOT EXCEED SEVENTY-FIVE (75) FEET.
4. OCCUPANT SHALL OBTAIN FIRE DEPARTMENT PERMITS AS REQUIRED BY U.F.C. ARTICLE 4 PRIOR TO OCCUPANCY OF BUILDING.
5. STORAGE, USE & DISPENSING OF MATERIALS SHALL COMPLY WITH TABLES 9-A, 9-B, 9-C, 9-D, 9-E OF THE UNIFORM BUILDING CODE & ARTICLES 79, 80 & 81 OF THE CALIFORNIA BUILDING CODE.

BUILDING INFORMATION

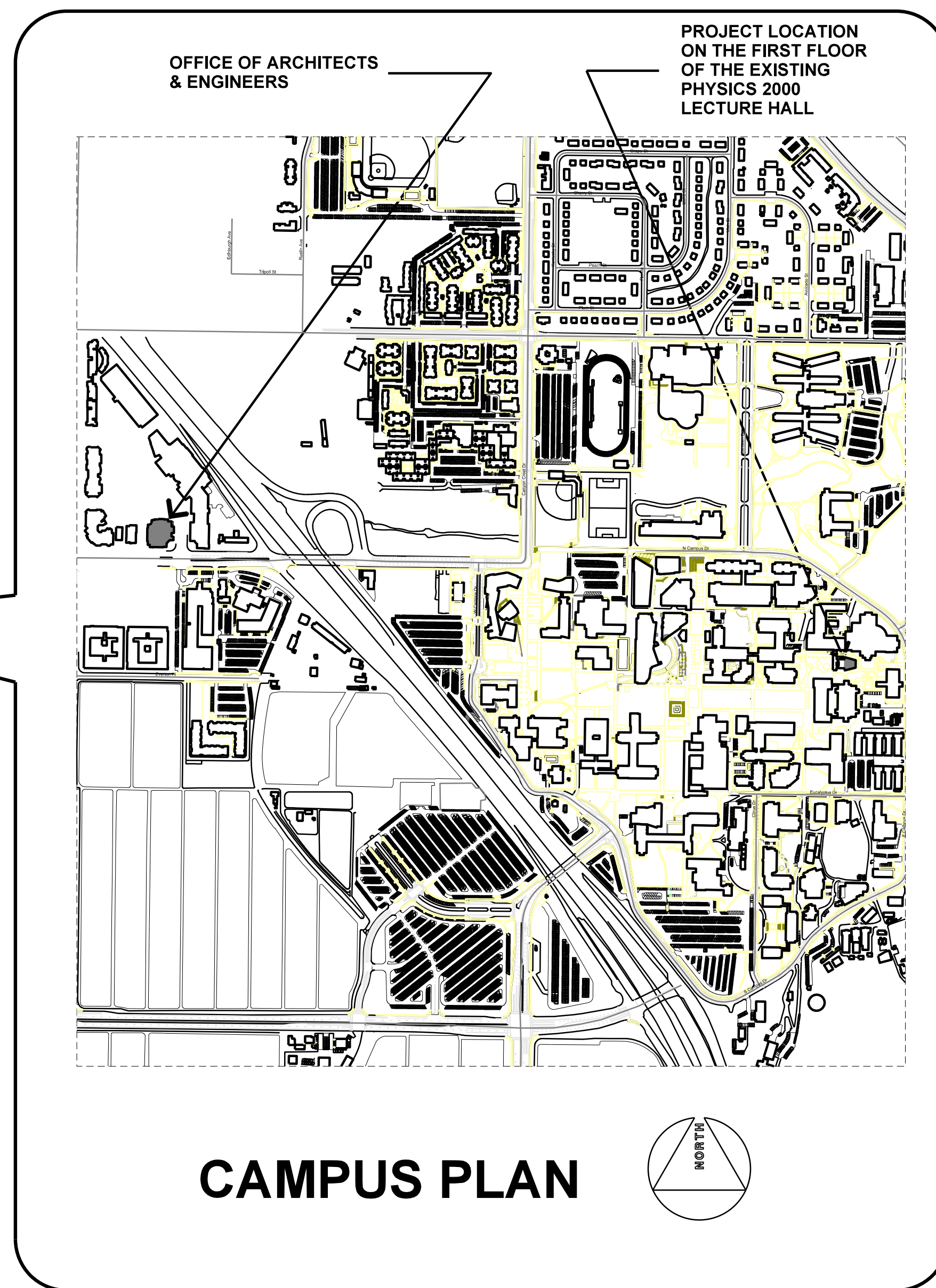
YEAR BUILT: 1963
ARCHITECTS: MAYNARD LYNDON, FAIA
OCCUPANCY TYPE: A-3
PROJECT FLOOR AREA: 4,856 SF INTERIOR (NO INCREASE) 9,500 SF (MEZZANINE = 3,167 SF)
CONSTRUCTION TYPE: ALLOWABLE HEIGHT: 40 FEET EXISTING: 3-N (PER 2019 CBC) W/O AUTO SPRINKLERS
(PER CODE BASED ON CONSTRUCTION AND OCCUPANCY TYPE)
ACTUAL BUILDING AREA: 6,979 SF (MEZZANINE = 309 SF)
ALLOWABLE AREA: 9,500 SF (MEZZANINE = 3,167 SF)
ACTUAL HEIGHT: 41 FEET (FROM BASEMENT LEVEL)
ALLOWABLE HEIGHT: 40 FEET
NUMBER OF STORIES: 1 (W/ CATWALK & MEZZANINE)
ALLOWABLE STORIES: 1
FIRE RESISTANCE-RATED CONSTRUCTION:
EXTERIOR WALL: NONCOMBUSTIBLE NO REQUIREMENTS (X>30')
EXTERIOR BEARING WALL: NO REQUIREMENTS
EXTERIOR NON-BEARING WALL: 1 HR (X<5')
INTERIOR NON-BEARING WALL: NO REQUIREMENTS
STRUCTURAL FRAME: NO REQUIREMENTS
FLOOR AND FLOOR/CEILING: NO REQUIREMENTS
ROOF AND ROOF/CEILING: NO REQUIREMENTS
EXTERIOR DOORS AND WINDOWS: NO LIMIT (X>30')
FIRE WALL: 3 HR NO REQUIREMENTS WHEN FURNACE ROOM IS LESS THAN 400,000 BTU/HR AND LAUNDRY ROOM IS <100 SF
FIRE BARRIER: NO REQUIREMENTS
FIRE PARTITION: NO REQUIREMENTS
SMOKE BARRIER: NO REQUIREMENTS
SMOKE PARTITION: NO REQUIREMENTS
HORIZONTAL ASSEMBLIES: NO REQUIREMENTS
OPENING PROTECTIVE: NO REQUIREMENTS
DUCT AND AIR TRANSFER OPENINGS: NO REQUIREMENTS
CONCEALED SPACES: FIRE BLOCKING: UNKNOWN DRAFTSTOPPING: NO REQUIREMENTS
INTERIOR FINISH (W/O AUTOMATIC SPRINKLER SYSTEM):
WALL: ROOM AND ENCLOSED SPACES: CLASS C
FLOOR: CLASS II (MINIMUM CRITICAL RADIANT FLUX)
FIRE PROTECTION SYSTEM:
AUTOMATIC SPRINKLER SYSTEM: NONE
FIRE ALARM SYSTEM: A FIRE ALARM SYSTEM IN COMPLIANCE WITH THE CURRENT CODE NEEDS TO BE PROVIDED AND IS REQUIRED TO MEET THE UCR CAMPUS SYSTEM.

PROJECT DESCRIPTION

RENOVATION OF LECTURE HALL WITH STEPPED SEATING, FOYER, AND STOREFRONT ENTRANCE AT THE EXISTING SEMI-DETACHED PHYSICS 2000 BUILDING, IN THE MIDDLE OF UCR CAMPUS, FOR THE APPROXIMATE BUILDING AREAS OF 4,856 SQUARE FEET, AND ALSO INCLUDES EXTERIOR SITE IMPROVEMENT OF STAIRS, RAMPS, HANDRAILS, GUARDS, ETC., FOR THE APPROXIMATE AREA OF 1,515 SQUARE FEET, AS SHOWN ON THIS SET OF DRAWINGS.
THE SCOPE OF THIS PROJECT INCLUDES MINOR MECHANICAL WORK (SHOWN IN ARCHITECTURAL DRAWINGS). NO PLUMBING WORK.



VICINITY MAP



CAMPUS PLAN

PROJECT TITLE
UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL
REBID AUGUST 2020

REVISIONS

REV #	DESCRIPTION	DATE

Consultants Data:

Project Title
UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL

UCR project manager

SCOTT DONNEL	
scale AS NOTED	sd approval
Drawn by J.D.	dd approval
Checked by S.C.	cd approval 08/28/20
UCR project no. 957443	construction release
also number	

Drawing Name TITLE SHEET	Sheet No. G-001 OF
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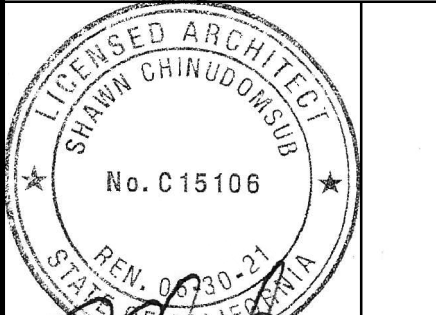
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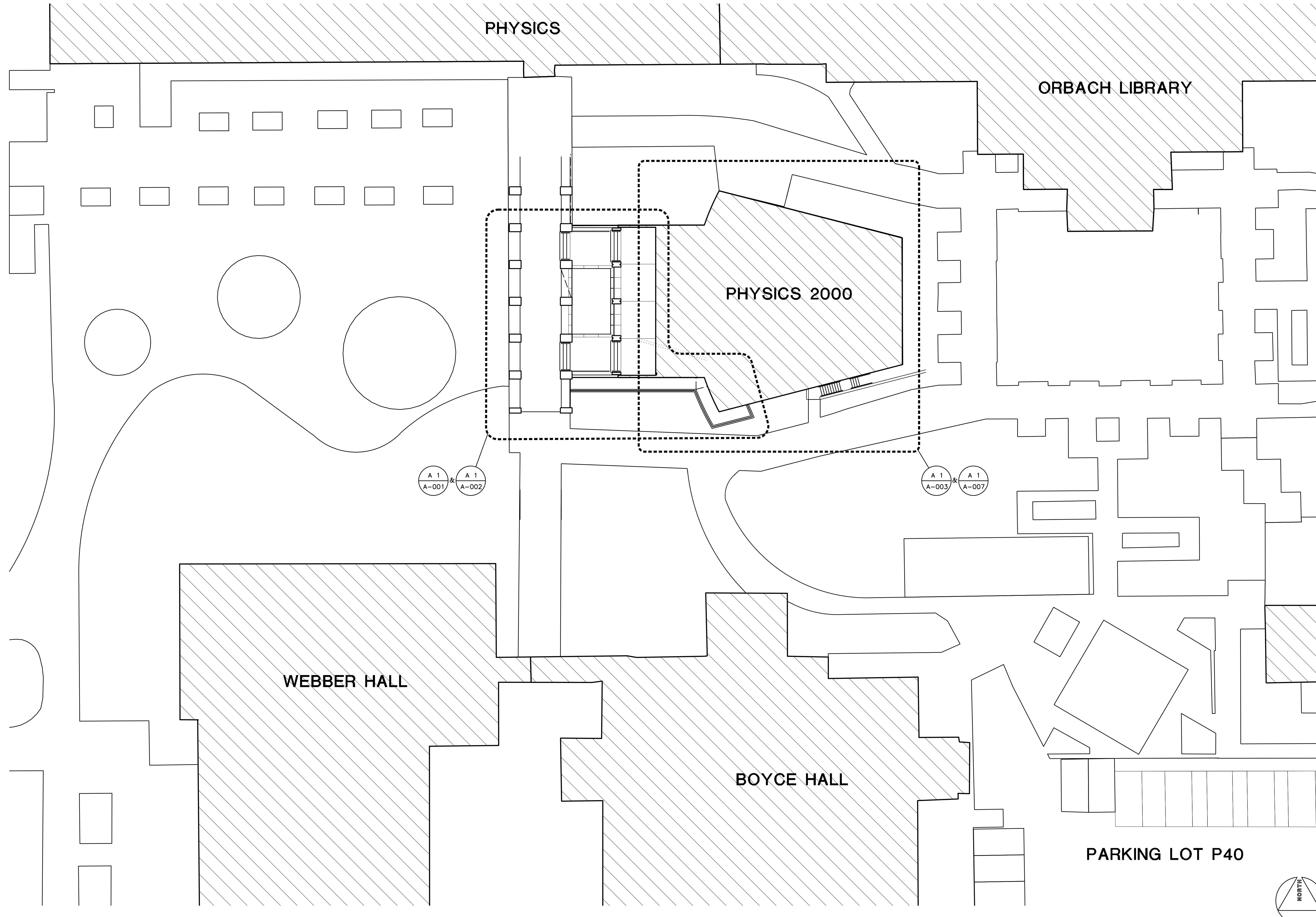
Architect's Stamp: Consultants Stamp:

PROJECT TITLE
UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL
REBID AUGUST 2020

REVISIONS		
REV #	DESCRIPTION	DATE

Consultants Data:	
Project Title UCR DMFI PROJECTS 2019 PHYSICS 2000 RENEWAL	
UCR project manager SCOTT DONNEL	
Scale AS NOTED	sd approval
Drawn by J.D.	dd approval
Checked by S.C.	cd approval 08/28/20
UCR project no. 957443	construction release
dso number	

Drawing Name PARTIAL SITE PLAN PROJECT LOCATION	Sheet No. G-002 OF
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A1 PARTIAL SITE PLAN - PROJECT LOCATION
1/16" = 1'-0"

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 Architect's Date: [Signature]
 Consultants Stamp: [Stamp]

PROJECT TITLE
**UCR
 DMFI PROJECTS 2019
 PHYSICS 2000 RENEWAL**
 REBID AUGUST 2020

REVISIONS		
REV #	DESCRIPTION	DATE

Consultants Data:
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**UCR
 DMFI PROJECTS 2019
 PHYSICS 2000 RENEWAL**

UCR project manager
SCOTT DONNEL

Scale	AS NOTED	sd approval
Drawn by	J.D.	sd approval
Checked by	S.C.	cd approval
UCR project no.	957443	construction release
also number		

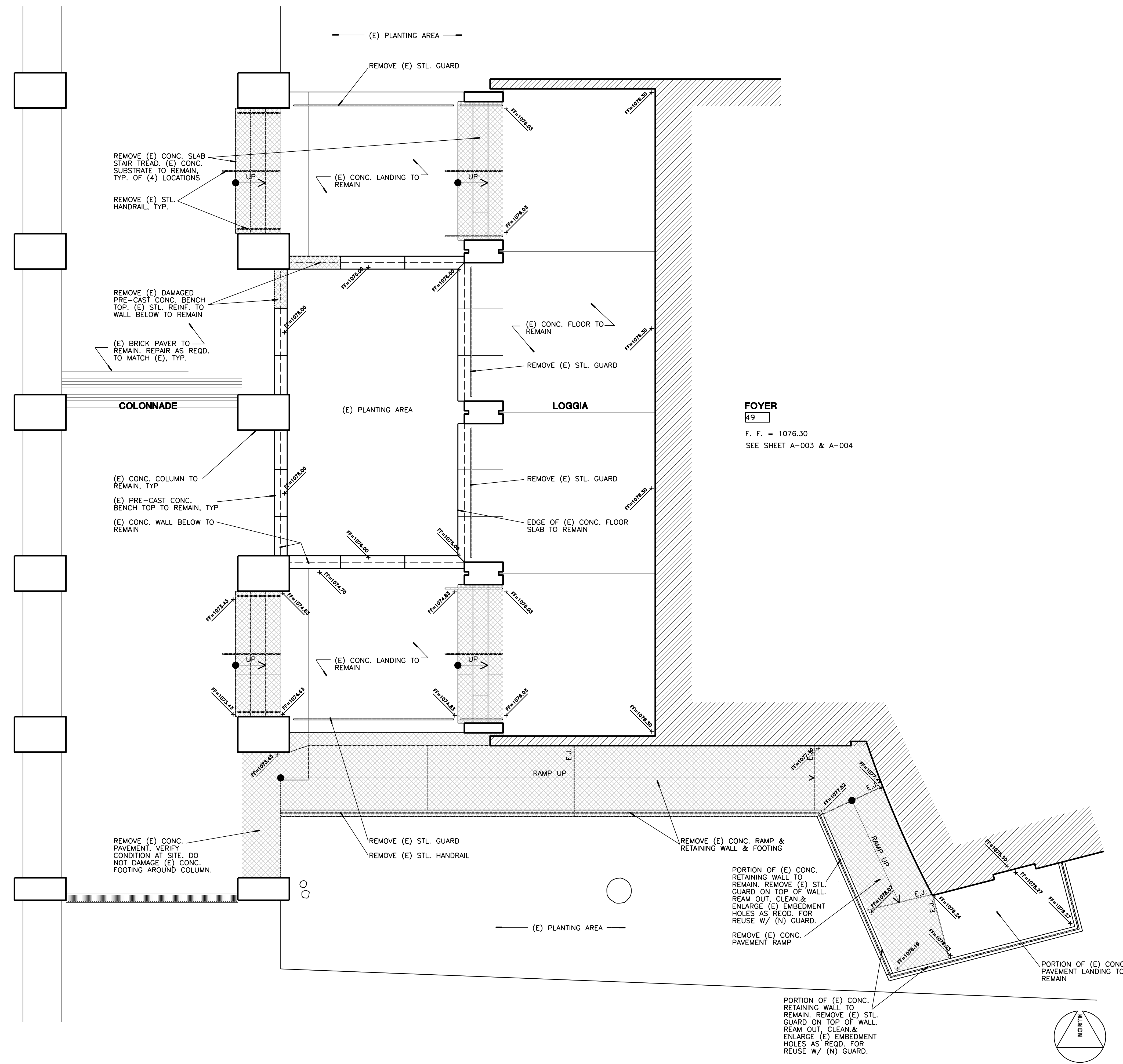
Drawing Name
**(E) SITE PLAN
 DEMO. & NOTES**
 Sheet No.
A-001
 of

GENERAL NOTES

- THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO AMEND THE BUILDING IN ACCORDANCE WITH CALIFORNIA BUILDING STANDARDS CODE, TITLE 24, CALIFORNIA CODE OF REGULATIONS, SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH SAID CODE, IMMEDIATELY NOTIFY OWNER AND ARCHITECT.
- ALL WORK, MATERIALS, TOOLS, EQUIPMENT AND METHODS SHALL BE IN COMPLIANCE WITH, OR MAY EXCEED, THE REQUIREMENTS OF THE APPLICABLE CODES AND ALL PERTINENT LOCAL ORDINANCES, WHERE THE CODES AND LOCAL ORDINANCES ARE IN CONFLICT, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.
- WHEN INSTALLING DRILLED-IN ANCHORS AND/OR POWDER DRIVEN PINS IN EXISTING NON-PRESTRESSED REINFORCED CONCRETE, USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS. WHEN INSTALLING THEM INTO EXISTING PRESTRESSED CONCRETE (PRE- OR POST-TENSIONED), LOCATE THE PRESTRESSED TENDONS BY USING A NON-DESTRUCTIVE METHOD PRIOR TO INSTALLATION. MAINTAIN A MINIMUM CLEARANCE OF 1 INCH BETWEEN THE REINFORCEMENT AND THE DRILLED-IN ANCHOR AND/OR PIN.
- THE CONTRACTOR SHALL BEAR THE RISK OF CONCEALED OR UNKNOWN CONDITIONS, IF ANY, WHICH MAY BE ENCOUNTERED IN PERFORMING THE WORK; AND THAT THE CONTRACTOR'S BID WAS MADE WITH FULL KNOWLEDGE OF THIS RISK. THE CONTRACTOR UNDERSTANDS THAT CONCEALED OR UNKNOWN CONDITIONS SHALL NOT EXCUSE THE CONTRACTOR FROM THEIR OBLIGATION TO ACHIEVE FULL COMPLETION OF THE WORK WITHIN THE CONTRACT TIME, AND SHALL NOT ENTITLE THE CONTRACTOR TO AN ADJUSTMENT OF THE CONTRACT SUM.
- WHEN AN ALTERNATE METHOD OR SUBSTITUTION IS ACCEPTED BY OWNER AND ARCHITECT AS AN APPROVED EQUAL, THE CONTRACTOR SHALL ASSUME RESPONSIBILITIES FOR SUBSEQUENT CHANGES OR MODIFICATIONS AS THE RESULT OF THE SUBSTITUTION, INCLUDING THE COSTS FOR THE DESIGN AND ENGINEERING FEES AND THE APPROVAL PROCESS.
- THE CONTRACTOR SHALL ASSUME RESPONSIBILITIES FOR CORRECTIVE COSTS, INCLUDING DESIGN AND ENGINEERING FEES, PLAN CHECK AND APPROVAL FEES, FOR WORK FOUND TO BE NONCONFORMING TO THE CONSTRUCTION DOCUMENTS, UNLESS AGREED TO OTHERWISE BY OWNER AND ARCHITECT.
- REPAIR AND FINISH TO RESTORE THE ORIGINAL CONDITION OF ALL EXISTING COMPONENTS OF THE BUILDING, THAT ARE TO REMAIN, THAT ARE AFFECTED BY THE WORK PERFORMED UNDER THIS CONTRACT, TO THE SATISFACTION OF OWNER AND ARCHITECT, UNLESS DIRECTED OTHERWISE.
- TAKE MEASURES TO ACCOMPLISH THE WORK WITH MINIMAL INTERRUPTION TO NORMAL BUILDING PROCEDURES AND OPERATIONS. KEEP NOISE AND DUST DOWN TO AN ABSOLUTE MINIMUM.
- VERIFY ALL DIMENSIONS AND LOCATIONS OF ALL EXISTING WORK, UTILITIES AND EQUIPMENT. IMMEDIATELY NOTIFY ARCHITECT FOR CLARIFICATION WHEN ANY DISCREPANCIES ARE DISCOVERED BY SUBMITTING A WRITTEN REQUEST FOR INFORMATION. ALLOW A MINIMUM OF 72 HOURS FOR ARCHITECT TO RESPOND TO ANY REQUESTS FOR INFORMATION.
- MAKE NECESSARY PROVISIONS TO MAINTAIN THE INTEGRITY OF SYSTEMS PRIOR TO DEMOLITION AND CONSTRUCTION.
- ITEMS INDICATED TO BE REMOVED OR RELOCATED MAY NOT BE EXHAUSTIVE. DISPOSITION OF ANY ITEMS NOT SHOWN MUST BE VERIFIED WITH OWNER.
- UNLESS INDICATED OTHERWISE, ALL EXISTING BUILDING STRUCTURAL MEMBERS SHALL NOT BE MODIFIED.
- PROVIDE TEMPORARY PARTITIONS AND BARRICADES AS REQUIRED IN COMPLIANCE WITH C.F.C., PART 9 TITLE 24, CCR.
- UNLESS INDICATED OTHERWISE, ALL FINISH MATERIALS AND WORKMANSHIP SHALL MATCH EXISTING ADJACENT CONSTRUCTION THAT IS TO REMAIN.
- DO NOT SCALE THE DRAWINGS, UNLESS DIRECTED BY ARCHITECT.
- ALL DIMENSIONS SHOWN AT CENTER OF WALL REPRESENT CENTERLINE OF STUD. ALL DIMENSIONS SHOWN AT EDGE OF WALL ARE TO FACE OF FINISH, UNLESS NOTED OTHERWISE.
- ALL SYMBOLS AND ABBREVIATIONS USED ON THE DRAWINGS ARE CONSIDERED TYPICAL CONSTRUCTION INDUSTRY STANDARDS. NOTIFY ARCHITECT IF CLARIFICATION IS NEEDED BEFORE PROCEEDING WITH THE PART OF WORK IN QUESTION.
- ALL EXISTING FIRE RESISTIVE ASSEMBLIES AND CONSTRUCTION, THAT ARE TO REMAIN, SHALL BE MAINTAINED. REPAIR AS REQUIRED TO MATCH EXISTING CONDITIONS, UNLESS OTHERWISE NOTED.
- ALL FIRE PENETRATIONS SHALL CONFORM TO 2000 UL FIRE RESISTANCE DIRECTORY. PROVIDE UL APPROVED NUMBER FOR ALL FIRESTOPPING MATERIALS, DEVICES AND SYSTEMS. ONE COPY OF UL FIRE RESISTANCE DIRECTORY SHALL BE ON THE JOB SITE AT ALL TIME.
- EXISTING FIRE PROTECTION SYSTEMS SHALL BE OPERATIONAL AT ALL TIMES DURING CONSTRUCTION.
- PROVIDE AND LOCATE BACKING PLATES BEHIND ALL WALL MOUNTED EQUIPMENT, CASEWORK, RAILINGS & ACCESSORIES TO ENSURE POSITIVE ATTACHMENT TO STRUCTURE.
- PROVIDE APPROPRIATE ACCESS PANELS REQUIRED TO MAINTAIN OR TO OPERATE UTILITY SYSTEMS. COORDINATE SIZE AND LOCATION OF ACCESS PANELS WITH THE OWNER.
- NOTIFY AND COORDINATE ANY SYSTEM SHUTDOWN WITH OWNER, WITH A MINIMUM OF 48 HOURS ADVANCE NOTICE.

DEMOLITION NOTES

- SHADED CROSS HATCH AREAS REPRESENT (E) ITEMS TO BE REMOVED.
- REMOVE SOIL, IRRIGATION & TREE IN (E) PLANTING AREA AS REQUIRED FOR (N) WORK. SAW CUT & REMOVE (E) CONC. BOTTOM SLAB, LINING MATERIAL, & MOSAIC FINISH BELOW GRADE. HIGH-PRESSURE WASH ALL SURFACES THAT WILL BECOME EXPOSED & GRIND SMOOTH ALL (E) CONC. SURFACES TO FLUSH & MATCH W/ (E) SURFACES THAT ARE TO REMAIN. VERIFY AT SITE.
- REMOVE (E) CONC. WORK AT (E) JOINT OR SCORELINES WHERE APPLICABLE. GRIND SMOOTH ALL OUTSIDE CORNERS OF CONC. AT CUT LINES THAT ARE TO REMAIN TO RID OF SHARP CORNERS, TYP.
- AT CONC. CUT LINES WHERE (E) REBAR BECOME EXPOSED, REMOVE (E) REBAR 1" BELOW FINISH SURFACE OF CONC. REPAIR CONC. FINISH SURFACES TO MATCH ADJACENT UNCU SURFACE.
- SURFACE OF (E) BUILDING COMPONENT WHICH IS TO REMAIN THAT BECOMES EXPOSED DUE TO DEMOLITION OF ADJACENT WORK SHALL BE CLEANED, REPAIRED AS RECD. TO MATCH (E) REMAINING VISIBLE SURFACE.
- AT (E) STEEL RAILING, POSTS, CHAIR LEGS, BRACKETS, ANCHOR BOLTS, & MISC. ITEMS EMBEDDED INTO CONC., CUT THEM AT MIN. OF 1/2" BELOW FINISH SURFACE. PATCH HOLES AS RECD.. REPAIR SURFACE TO MATCH (E) CONDITION.



FOYER
 49
 F. F. = 1076.30
 SEE SHEET A-003 & A-004

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A1 (E) SITE PLAN - SELECTIVE DEMOLITION
 1/4" = 1'-0"

A5 NOTES

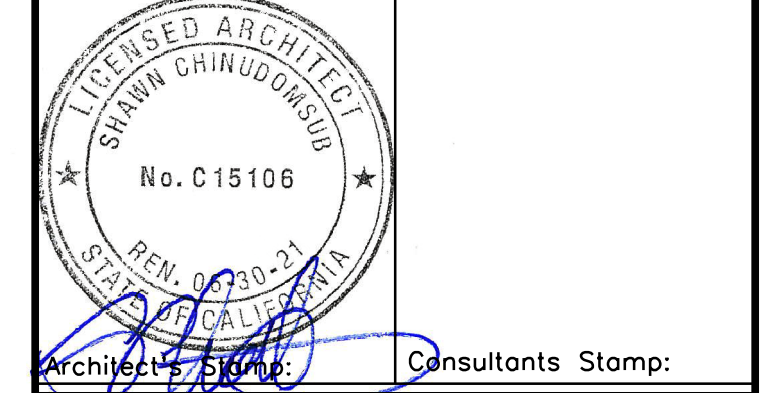
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PHYSICS 2000 RENEWAL
REBID AUGUST 2020

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PHYSICS 2000 RENEWAL

UCR project manager
SCOTT DONNEL

Scale	AS NOTED	sd approval
Drawn by	J.D.	sd approval
Checked by	S.C.	cd approval
UCR project no.	957443	construction release
also number		

Drawing Name (N) SITE PLAN SYMBOLS & NOTES	Sheet No. A-002 of
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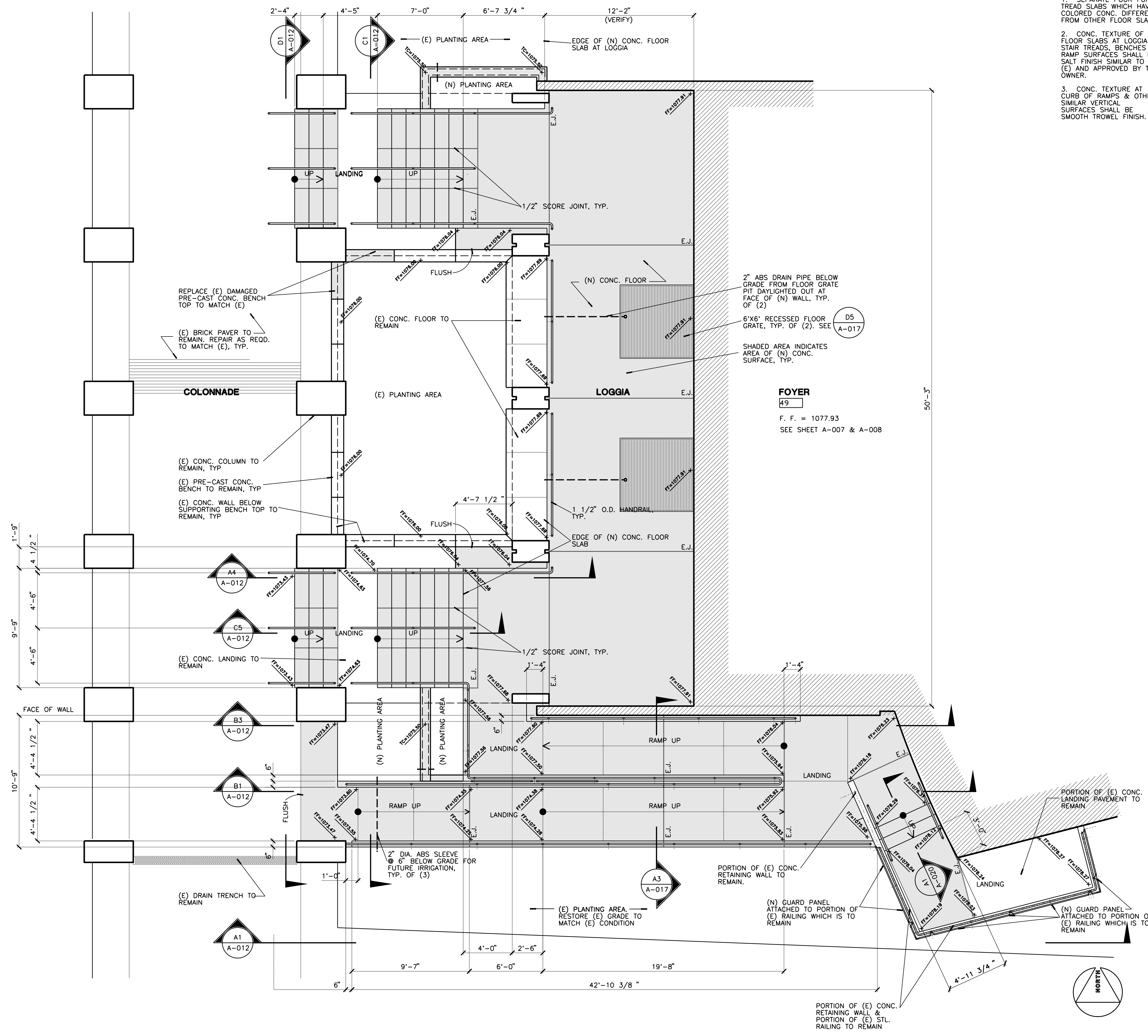
- EXTERIOR EXIT DISCHARGE**
- NORTH ARROW**
PLAN NORTH DIRECTION
TRUE NORTH MAY DIFFER AS SHOWN
- EXISTING WALL OR OTHER ITEMS TO BE REMOVED**
METAL STUD W/ GYP. BD. AT INT. WALLS, U.N.O.
- EXISTING WALL TO REMAIN**
METAL STUD W/ GYP. BD. AT INT. WALLS, U.N.O.
- NEW WALL TYPE**
NUMBER INSIDE THE BOX REPRESENTS WALL TYPE. SEE DETAIL.
- EXISTING CONC. WALL TO REMAIN**
- DETAIL CALL-OUT**
DETAIL IDENTIFICATION
SHEET WHERE DETAIL IS DRAWN.
- ELEVATION**
ELEVATION IDENTIFICATION
SHEET WHERE ELEVATION IS DRAWN.
- SECTION CUT**
SECTION IDENTIFICATION
SHEET WHERE SECTION IS DRAWN.
- REVISION**
CLOUD AROUND REVISION.
- GRID LINE**
VERTICAL LETTERS,
HORIZONTAL NUMBERS.
- MATCH LINE**
SHEET WHERE ROOF
WORK CONTINUES
- ROOM**
ROOM IDENTIFICATION
ROOM NAME ON TOP,
ROOM NUMBER IN BOX
- CONTROL POINT**
OR WORK POINT OR
DATUM POINT
- DOOR IDENTIFICATION NUMBER**
LOCATION OF DOOR IDENTIFICATION SYMBOL
COINCIDES W/ SIDE OF REFERENCED ROOM.
(E) = EXISTING (R) = RELOCATE
- WINDOW IDENTIFICATION**
- EQUIPMENT IDENTIFICATION**

C5	SYMBOLS
NONE	

- OWNER-FURNISHED, CONTRACTOR-INSTALLED (O.F.C.I.)
- THE CONTRACTOR SHALL VERIFY EXACT SIZES AND SERVICES REQUIRED FOR EACH ITEM OF EQUIPMENT INDICATED ON THE DRAWINGS OR IN THE PROJECT MANUAL AS O.F.C.I. AND SHALL OBTAIN FROM THE OWNER ROUGH-IN DRAWINGS, DIAGRAMS, SETTING TEMPLATES, AND OTHER NECESSARY INFORMATION TO ASSURE PROPER MATING OF ASSEMBLIES. NOTIFY ARCHITECT FOR ANY VARIATIONS.
 - PROVIDE ALL MATERIAL AND APPURTENANCES NECESSARY FOR THE COMPLETE INSTALLATION OF EACH UTILITY, WHETHER OR NOT ALL SUCH MATERIALS AND APPURTENANCES ARE SHOWN ON THE DRAWINGS OR DESCRIBED IN THE SPECIFICATIONS.
 - THE CONTRACTOR SHALL RECEIVE AT THE PROJECT SITE EACH ITEM OF EQUIPMENT FROM THE OWNER AND FROM THAT TIME ON, SHALL ASSUME FULL RESPONSIBILITY FOR THE ITEMS AND EQUIPMENT UNTIL ONE YEAR FROM DATE OF SUBSTANTIAL COMPLETION.
 - THE CONTRACTOR SHALL GIVE THE OWNER 90 DAYS PRIOR NOTICE OF THE REQUIREMENT FOR DELIVERY TO THE SITE OF ALL O.F.C.I. EQUIPMENT.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR RECEIVING O.F.C.I. ITEMS AND EQUIPMENT AND SHALL UNCRATE, INSPECT AND NOTIFY THE OWNER IN WRITING WITHIN 2 DAYS OF RECEIVING SAID ITEMS OR EQUIPMENT OF THE ACCEPTANCE OR REJECTION OF THE ITEMS OR EQUIPMENT. THE OWNER, AFTER RECEIVING NOTICE, WILL TAKE APPROPRIATE ACTION TO HAVE THE ITEMS OR EQUIPMENT MADE ACCEPTABLE FOR THE CONTRACTOR'S USE. REJECTED ITEMS SHALL BE CAREFULLY STORED AND PROTECTED FROM DAMAGE BY THE CONTRACTOR UNTIL THE OWNER TAKES APPROPRIATE ACTION.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL PLACING, INSTALLATION, CONNECTION, START-UP, CHECKING, TESTING AND DEMONSTRATED SATISFACTORY OPERATION. THE OWNER WILL PROVIDE NAMES OF MANUFACTURER'S REPRESENTATIVES, WHO SHALL ASSIST THE CONTRACTOR IN CHECKING, TESTING AND DEMONSTRATING THE EQUIPMENT.
 - O.F.C.I. ITEMS:
A. METAL PERFORATED PANELS WITH POWDER COATED FINISH FOR MODESTY RAILINGS INSIDE LECTURE HALL 48.
(SUPPORT FRAMES & RAILINGS ARE INCLUDED IN THIS CONTRACT.)

- OWNER-FURNISHED, OWNER-INSTALLED WORK (O.F.O.I.)
- ITEMS SHOWN ON THE DRAWINGS AS O.F.O.I. SHALL BE FURNISHED BY THE OWNER & INSTALLED BY THE OWNER. WORK INDICATED AS O.F.O.I. WILL BE PERFORMED UNDER SEPARATE CONTRACT, EMPLOYED BY THE OWNER AT HIS DISCRETION. WHERE WORK OF THIS CONTRACT ADJOINS OR CONFLICTS WITH O.F.O.I. WORK, THE CONTRACTOR SHALL COOPERATE WITH THE OWNER & HIS/HER EMPLOYEES IN A MANNER WHICH WILL PROVIDE FOR A REASONABLE & ACCURATE COMPLETION OF THIS CONTRACT & WORK UNDER SEPARATE CONTRACT.
 - O.F.O.I. ITEMS:
A. SEATS & WORK SURFACES INSIDE LECTURE HALL 48. SEE FURNITURE DRAWINGS

- NOTE:
- SEPARATE POUR FOR TREAD SLABS WHICH HAVE COLORED CONC. DIFFERENT FROM OTHER FLOOR SLABS.
 - CONC. TEXTURE OF FLOOR SLABS AT LOGGIA, STAIR TREADS, BENCHES & RAMP SURFACES SHALL BE SALT FINISH SIMILAR TO (E) AND APPROVED BY THE OWNER.
 - CONC. TEXTURE AT CURB OF RAMPS & OTHER SIMILAR VERTICAL SURFACES SHALL BE SMOOTH TROWEL FINISH.



A1 NEW SITE PLAN - REMODELED
1/4" = 1'-0"

A5 O.F.C.I. & O.F.O.I. NOTES
NONE

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Institutional Designs & Architectural Services
 3903 10th Street, Riverside, CA 92501-3521
 Tel: (951) 342-3135 Fax: (951) 342-3137

Architect's Data:



Architect's Stamp: Consultants Stamp:

PROJECT TITLE
UCR DMFI PROJECTS 2019 PHYSICS 2000 RENEWAL
 REBID AUGUST 2020

REVISIONS		
REV #	DESCRIPTION	DATE

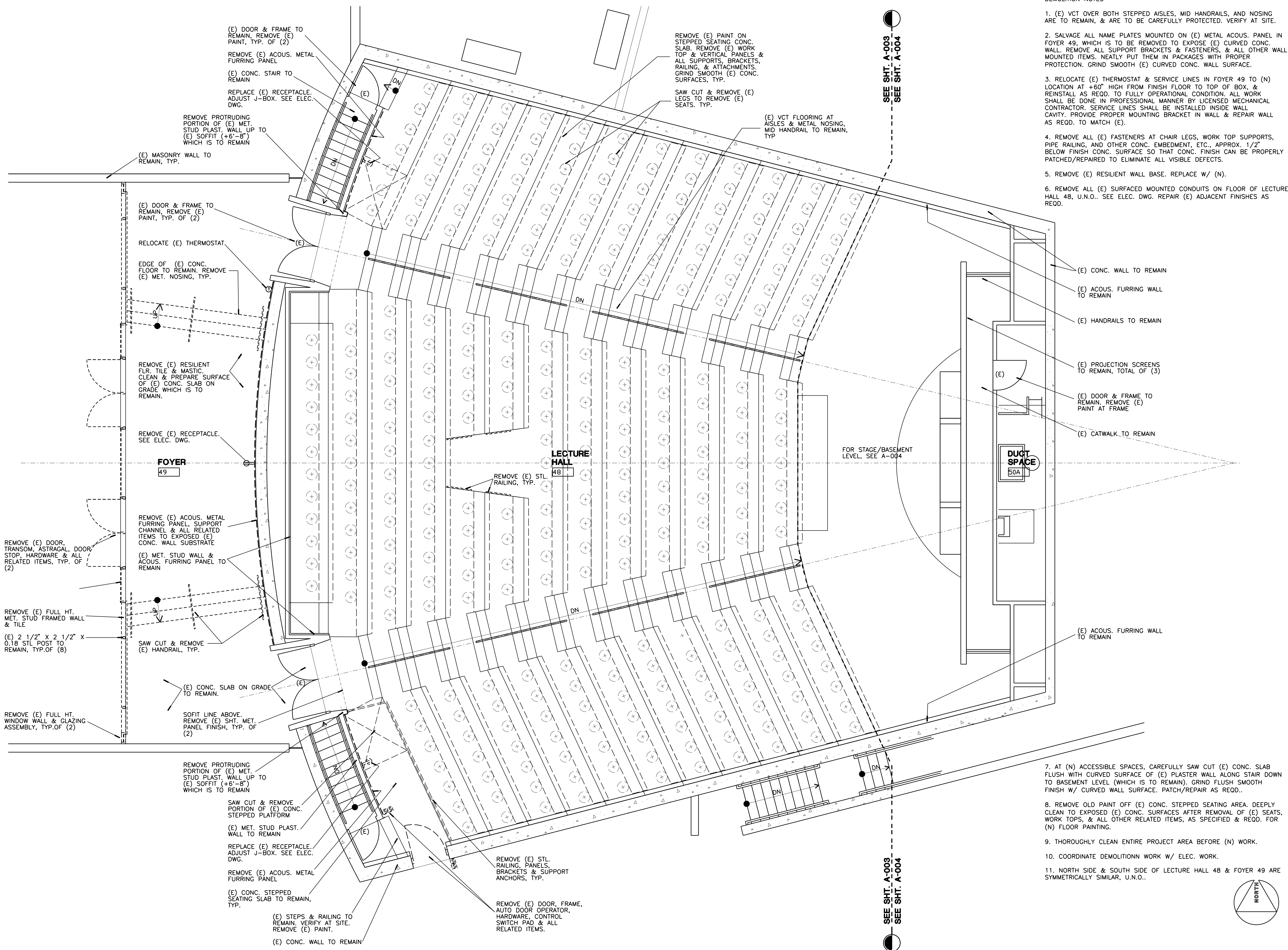
Consultants Data:
 Project Title
 UCR DMFI PROJECTS 2019 PHYSICS 2000 RENEWAL

UCR project manager
SCOTT DONNEL

Scale	AS NOTED	sd approval
Drawn by	J.D.	dd approval
Checked by	S.C.	cd approval
UCR project no.	957443	08/28/20
also number		release

Drawing Name
(E) 1st FLR. PLAN - DEMOLITION
 Sheet No.
A-003
 of

- DEMOLITION NOTES
- (E) VCT OVER BOTH STEPPED AISLES, MID HANDRAILS, AND NOSING ARE TO REMAIN, & ARE TO BE CAREFULLY PROTECTED. VERIFY AT SITE.
 - SALVAGE ALL NAME PLATES MOUNTED ON (E) METAL ACOUS. PANEL IN FOYER 49, WHICH IS TO BE REMOVED TO EXPOSE (E) CURVED CONC. WALL. REMOVE ALL SUPPORT BRACKETS & FASTENERS, & ALL OTHER WALL MOUNTED ITEMS. NEATLY PUT THEM IN PACKAGES WITH PROPER PROTECTION. GRIND SMOOTH (E) CURVED CONC. WALL SURFACE.
 - RELOCATE (E) THERMOSTAT & SERVICE LINES IN FOYER 49 TO (N) LOCATION AT +60" HIGH FROM FINISH FLOOR TO TOP OF BOX, & REINSTALL AS REQD. TO FULLY OPERATIONAL CONDITION. ALL WORK SHALL BE DONE IN PROFESSIONAL MANNER BY LICENSED MECHANICAL CONTRACTOR. SERVICE LINES SHALL BE INSTALLED INSIDE WALL CAVITY. PROVIDE PROPER MOUNTING BRACKET IN WALL & REPAIR WALL AS REQD. TO MATCH (E).
 - REMOVE ALL (E) FASTENERS AT CHAIR LEGS, WORK TOP SUPPORTS, PIPE RAILING, AND OTHER CONC. EMBEDMENT, ETC., APPROX. 1/2" BELOW FINISH CONC. SURFACE SO THAT CONC. FINISH CAN BE PROPERLY PATCHED/REPAIRED TO ELIMINATE ALL VISIBLE DEFECTS.
 - REMOVE (E) RESILIENT WALL BASE. REPLACE W/ (N).
 - REMOVE ALL (E) SURFACED MOUNTED CONDUITS ON FLOOR OF LECTURE HALL 48, U.N.O.. SEE ELEC. DWG. REPAIR (E) ADJACENT FINISHES AS REQD.



SEE SHT. A-003
 SEE SHT. A-004

SEE SHT. A-003
 SEE SHT. A-004

A1
 (E) 1st FLOOR PLAN - DEMOLITION
 1/4" = 1'-0"

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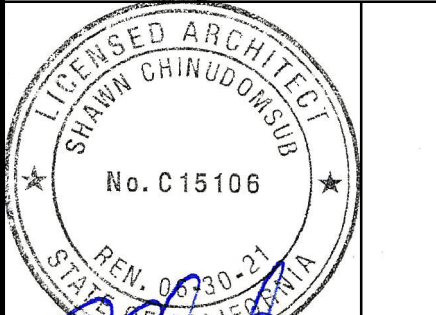
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Architect's Stamp: Consultants Stamp:

PROJECT TITLE
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REVISIONS

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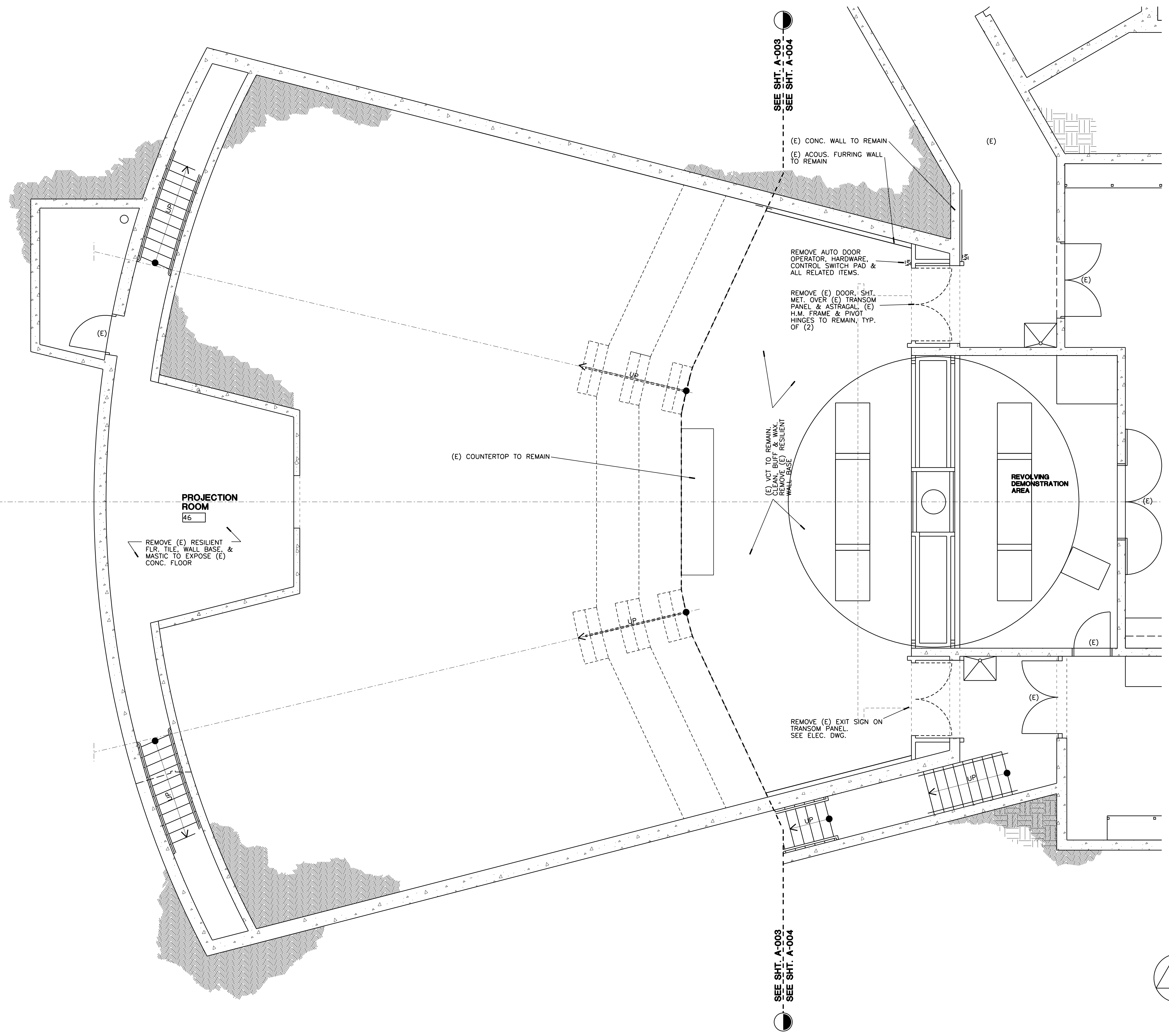
Consultants Data:

Project Title
UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL

UCR project manager
SCOTT DONNEL

Scale	AS NOTED	sd approval
Drawn by	J.D.	sd approval
Checked by	S.C.	cd approval 08/28/20
UCR project no.	957443	construction release
iso number		

Drawing Name
(E) BASEMENT PLAN - DEMOLITION
Sheet No.
A-004
of



A1 (E) BASEMENT PLAN - DEMOLITION

1/4" = 1'-0"

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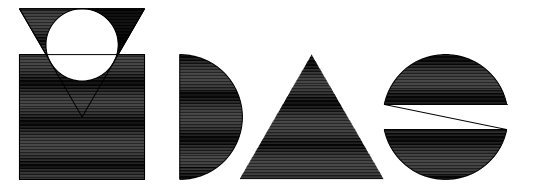
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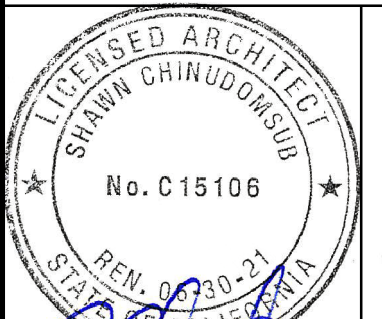
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PROJECT TITLE
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PHYSICS 2000 RENEWAL
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REVISIONS

REV #	DESCRIPTION	DATE

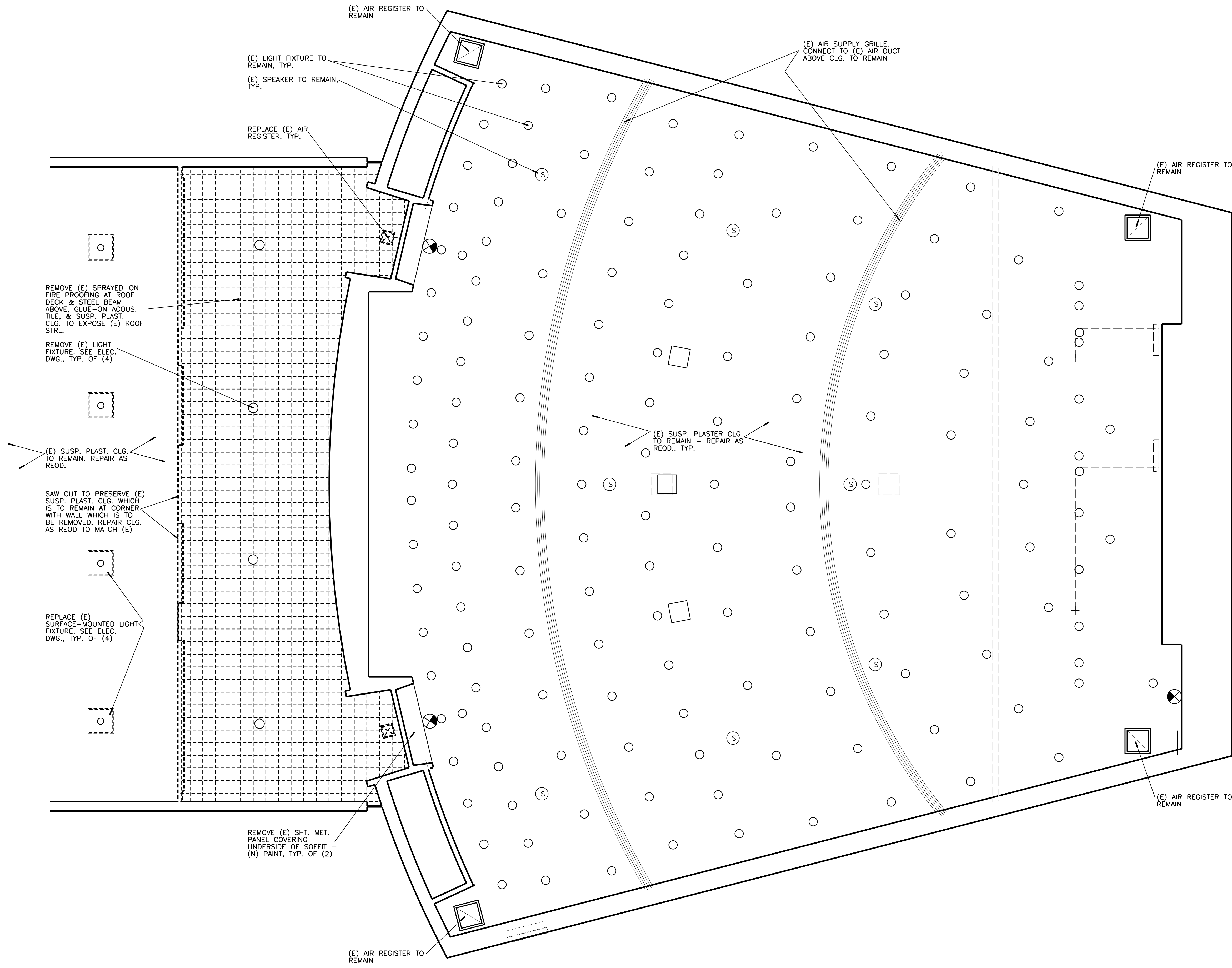
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Project Title
UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL

UCR project manager
SCOTT DONNEL

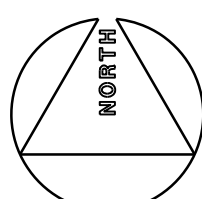
Scale	AS NOTED	sd approval
Drawn by	J.D.	dd approval
Checked by	S.C.	cd approval
UCR project no.	957443	construction release
08/28/20		

Drawing Name
(E) 1st FLR. REF. CLG. PLAN - DEMO
Sheet No.
A-005
of



A1 (E) 1st FLOOR REFLECTED CEILING PLAN - DEMOLITION

1/4" = 1'-0"



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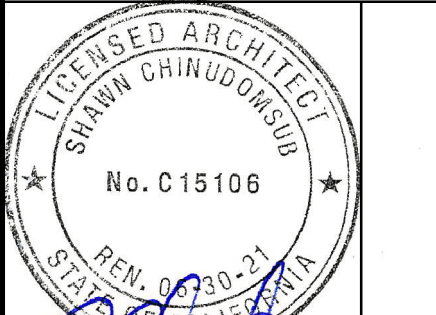
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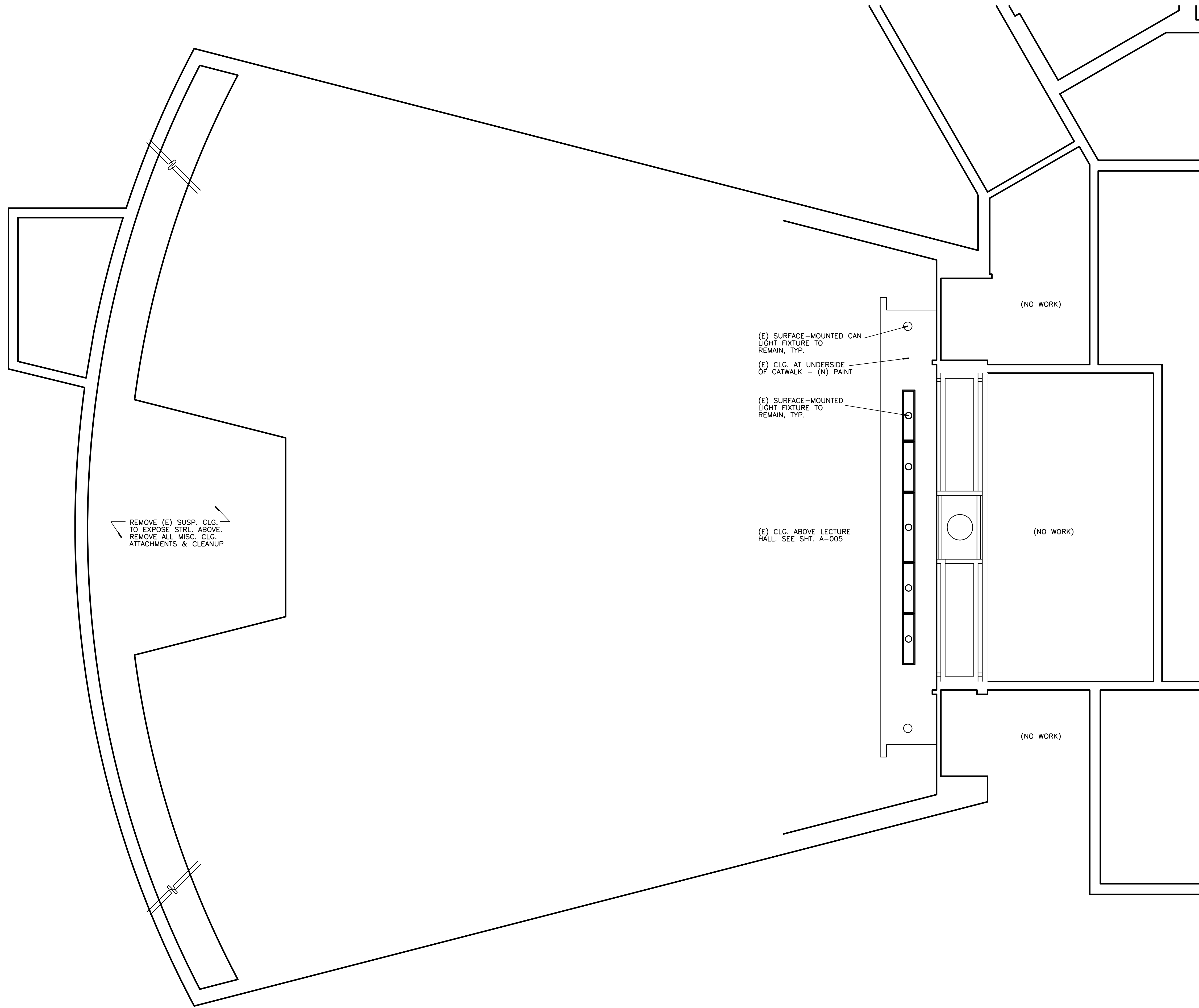


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PHYSICS 2000 RENEWAL
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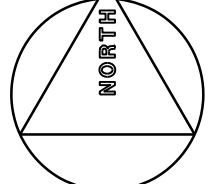
REVISIONS

REV #	DESCRIPTION	DATE

Consultants Data:

Project Title
UCR
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PHYSICS 2000 RENEWAL

UCR project manager SCOTT DONNEL	
scale AS NOTED	sd approval
Drawn by J.D.	dd approval
Checked by S.C.	cd approval 08/28/20
UCR project no. 957443	construction release
iso number	



A1 (E) BASEMENT REFLECTED CEILING PLAN - DEMOLITION

1/4" = 1'-0"

Drawing Name (E) BASEMENT REF. CLG. PLAN - DEMO	Sheet No. A-006 of
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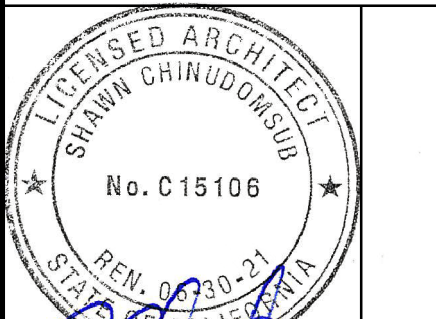
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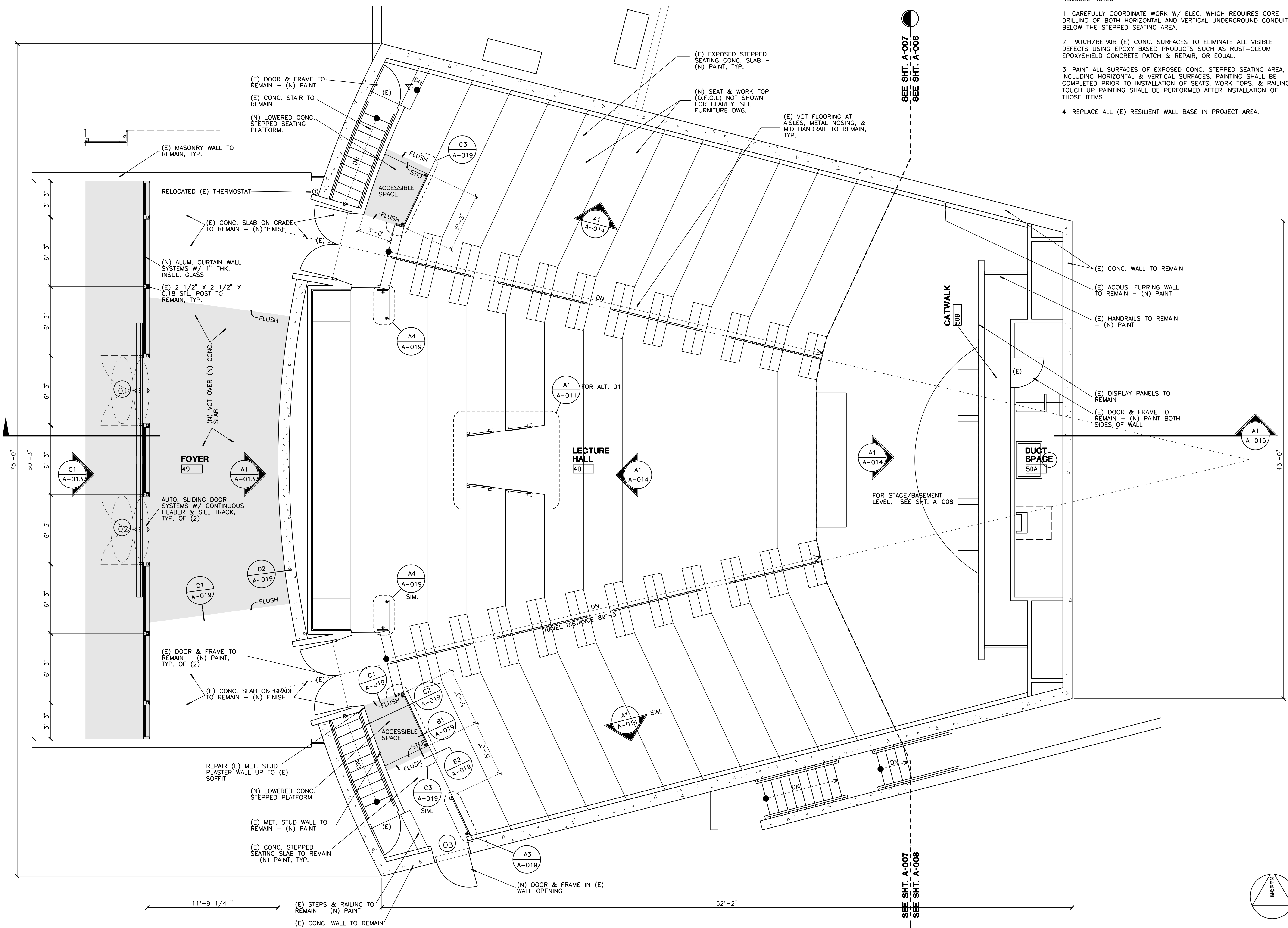
Architect's Data:



Architect's Stamp: Consultants Stamp:

REMODEL NOTES

- CAREFULLY COORDINATE WORK W/ ELEC. WHICH REQUIRES CORE DRILLING OF BOTH HORIZONTAL AND VERTICAL UNDERGROUND CONDUITS BELOW THE STEPPED SEATING AREA.
- PATCH/REPAIR (E) CONC. SURFACES TO ELIMINATE ALL VISIBLE DEFECTS USING EPOXY BASED PRODUCTS SUCH AS RUST-OLEUM EPOXYSHIELD CONCRETE PATCH & REPAIR, OR EQUAL.
- PAINT ALL SURFACES OF EXPOSED CONC. STEPPED SEATING AREA, INCLUDING HORIZONTAL & VERTICAL SURFACES. PAINTING SHALL BE COMPLETED PRIOR TO INSTALLATION OF SEATS, WORK TOPS, & RAILING. TOUCH UP PAINTING SHALL BE PERFORMED AFTER INSTALLATION OF THOSE ITEMS
- REPLACE ALL (E) RESILIENT WALL BASE IN PROJECT AREA.



PROJECT TITLE
UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL
REBID AUGUST 2020

REVISIONS

REV #	DESCRIPTION	DATE

Consultants Data:

Project Title	UCR DMFI PROJECTS 2019 PHYSICS 2000 RENEWAL		
UCR project manager	SCOTT DONNEL		
Scale	AS NOTED	sd approval	
Drawn by	J.D.	dd approval	
Checked by	S.C.	cd approval	08/28/20
UCR project no.	957443	construction release	
also number			

Drawing Name	(N) 1st FLR. PLAN - REMODEL	Sheet No.	A-007 OF
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A1 (N) 1st FLOOR PLAN - REMODEL
 1/4" = 1'-0"

ALUM. STOREFRONT SYSTEM WITH 1" THK. INSULATING GLASS

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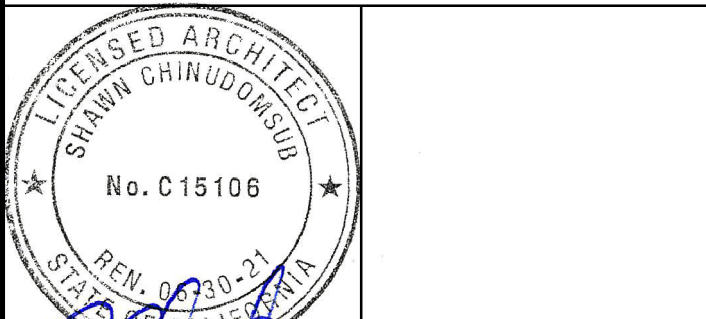
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PROJECT TITLE
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PHYSICS 2000 RENEWAL
REBID AUGUST 2020

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REV #	DESCRIPTION	DATE

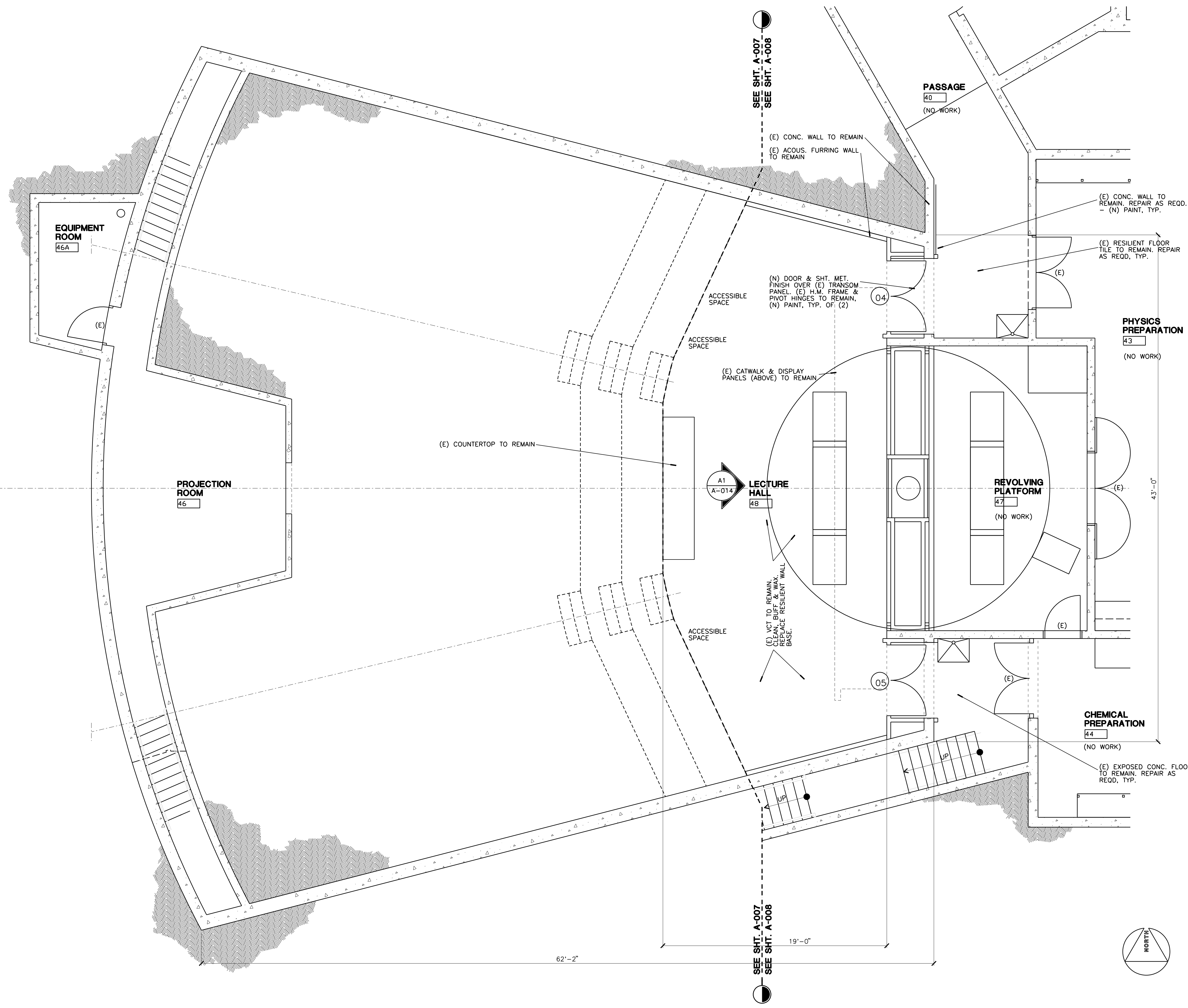
Consultants Data:

Project Title
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PHYSICS 2000 RENEWAL

UCR project manager
SCOTT DONNEL

Scale	AS NOTED	sd approval
Drawn by	J.D.	dd approval
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UCR project no.	957443	construction release
08/28/20		

Drawing Name
(N) BASEMENT FLR. PLAN - REMODELED
Sheet No.
A-008
of

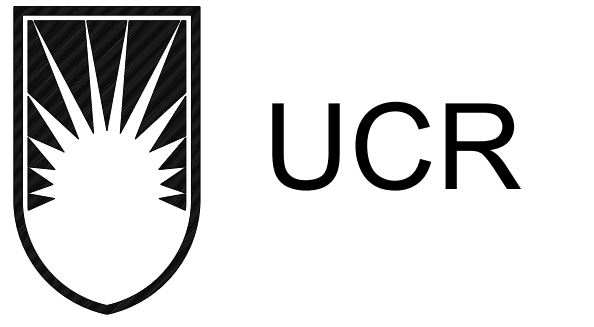


A1 (N) BASEMENT FLOOR PLAN - REMODELED

1/4" = 1'-0"

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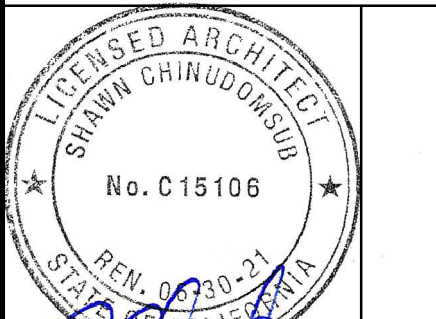
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Architect's Data:



Architect's Stamp: Consultants Stamp:

PROJECT TITLE
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PHYSICS 2000 RENEWAL
REBID AUGUST 2020

REVISIONS

REV #	DESCRIPTION	DATE

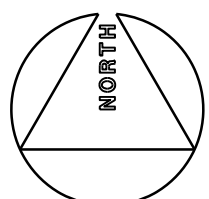
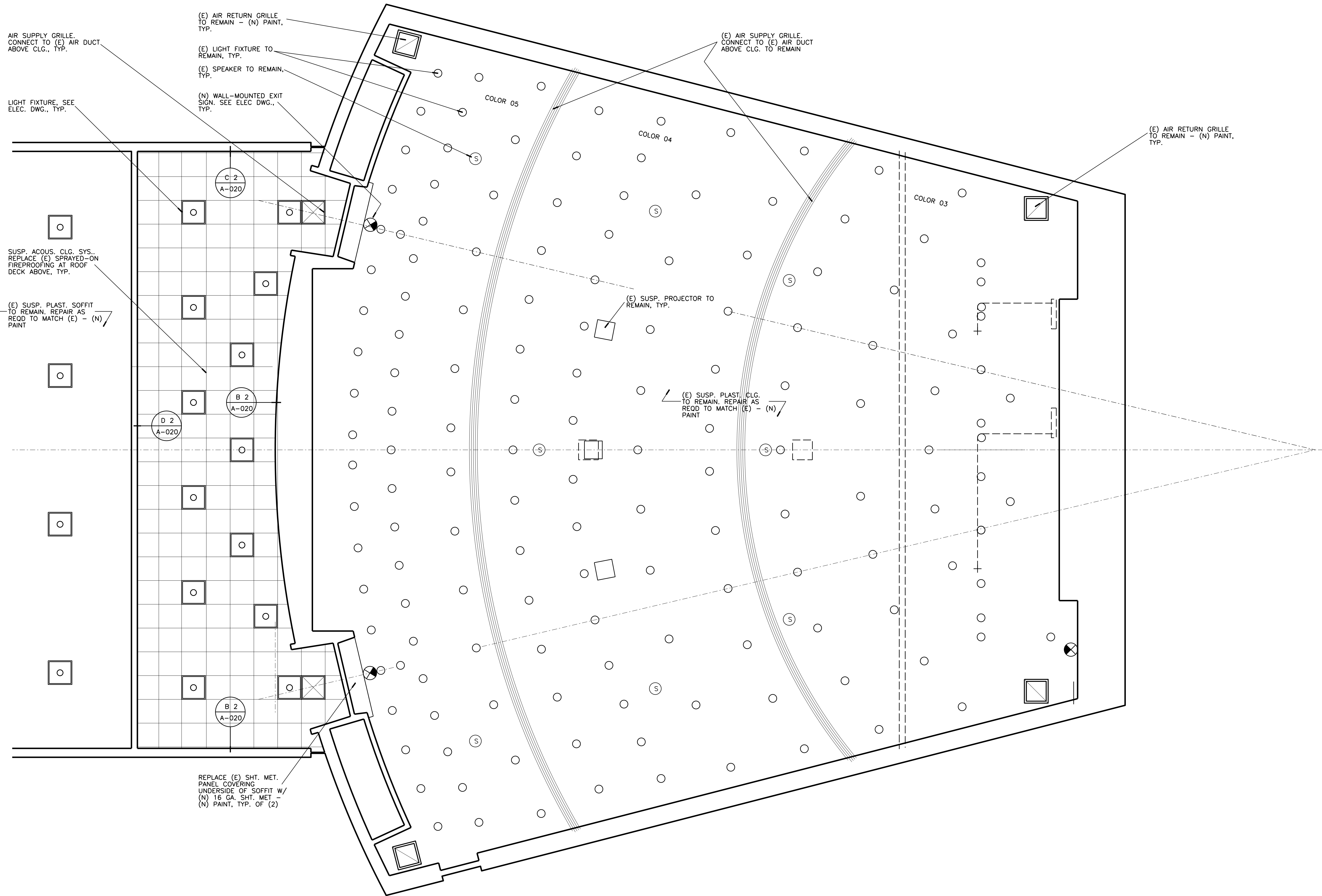
Consultants Data:

Project Title
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PHYSICS 2000 RENEWAL

UCR project manager
SCOTT DONNEL

Scale	AS NOTED	sd approval
Drawn by	J.D.	sd approval
Checked by	S.C.	cd approval
UCR project no.	957443	08/28/20
iso number		construction release

Drawing Name
(N) 1st FLR. REF. CEILING PLAN
Sheet No.
A-009
of



A1 (N) 1st FLOOR REFLECTED CEILING PLAN

1/4" = 1'-0"

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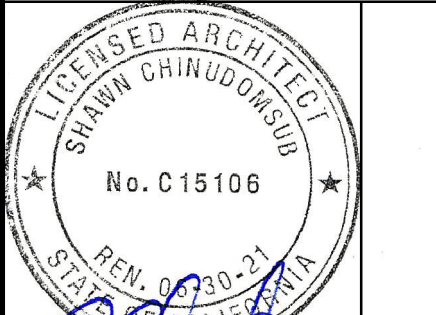
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Architect's Stamp:

Consultants Stamp:

PROJECT TITLE
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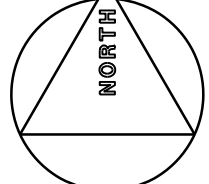
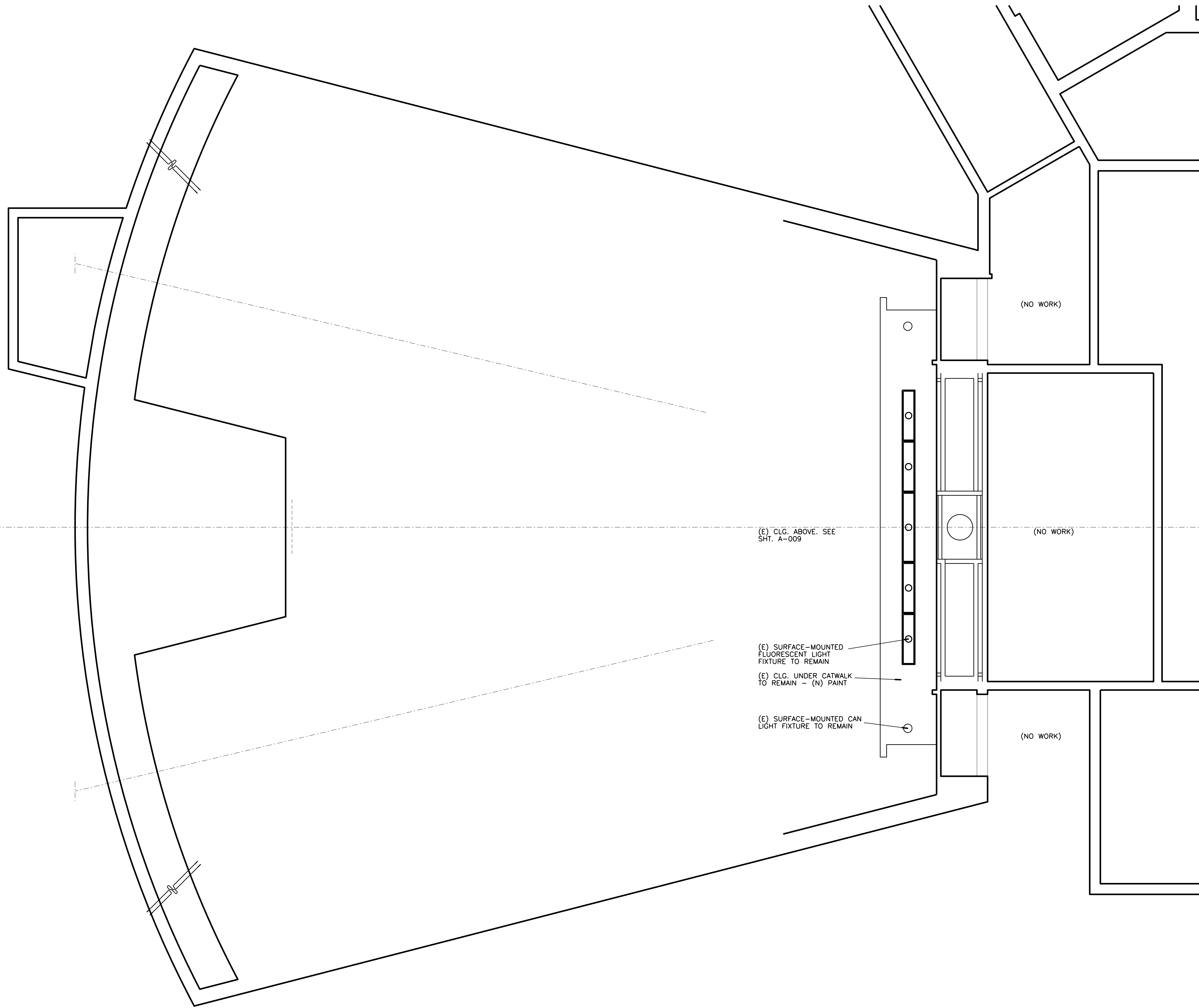
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Project Title
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PHYSICS 2000 RENEWAL

UCR project manager
SCOTT DONNEL

Scale	AS NOTED	sd approval
Drawn by	J.D.	dd approval
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UCR project no.	957443	construction release
iso number		

Drawing Name
(N) BASEMENT REF. CLG. PLAN
Sheet No.
A-010
OF



A1 (N) BASEMENT REFLECTED CEILING PLAN

1/4" = 1'-0"

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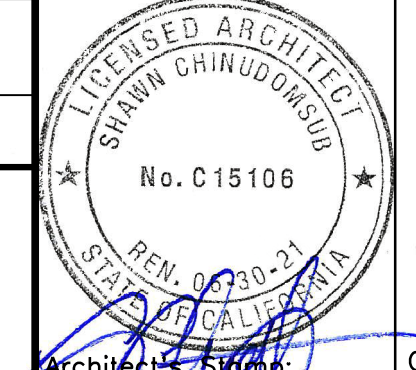
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UCR DMFI PROJECTS 2019 PHYSICS 2000 RENEWAL
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REV #	DESCRIPTION	DATE

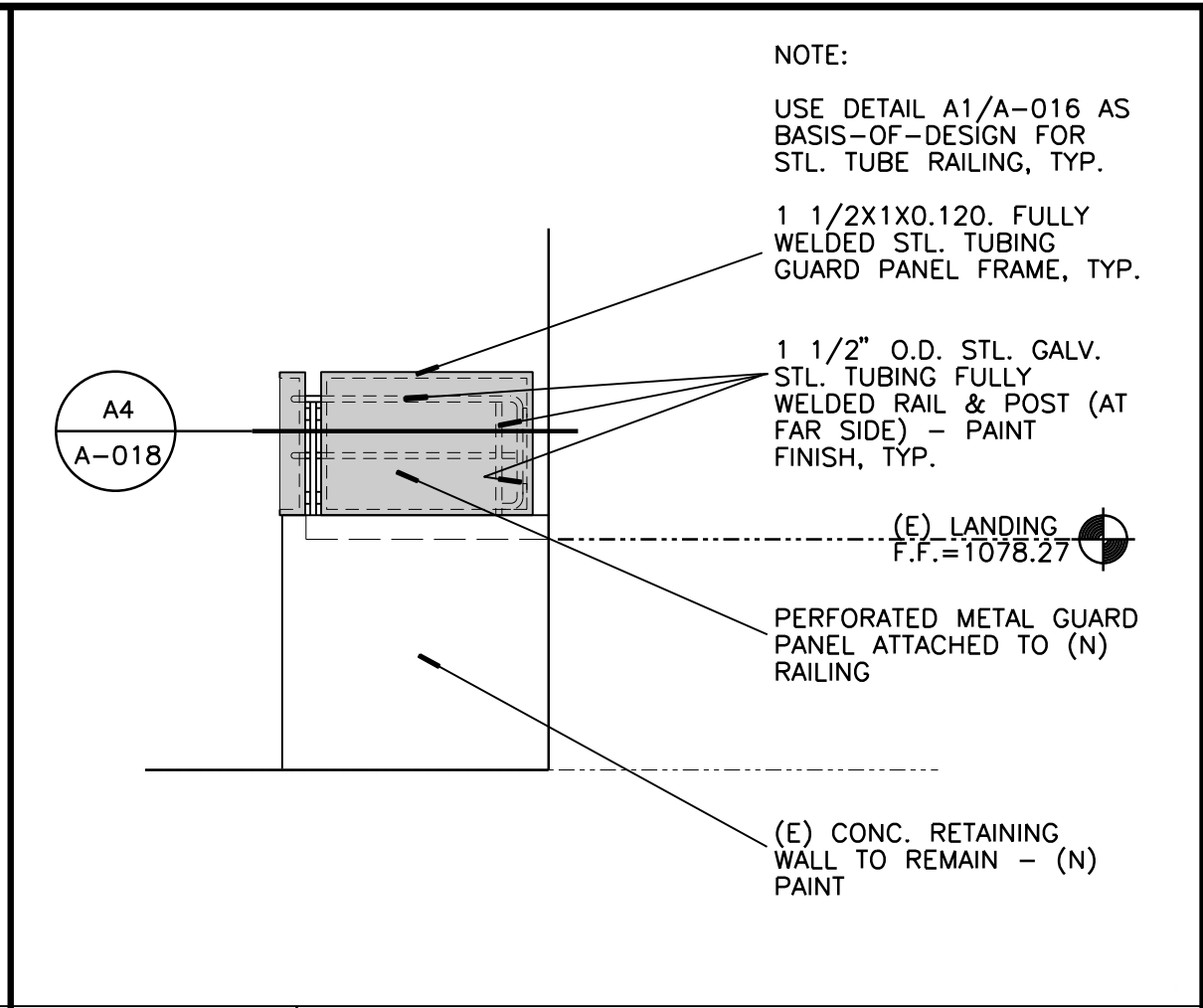
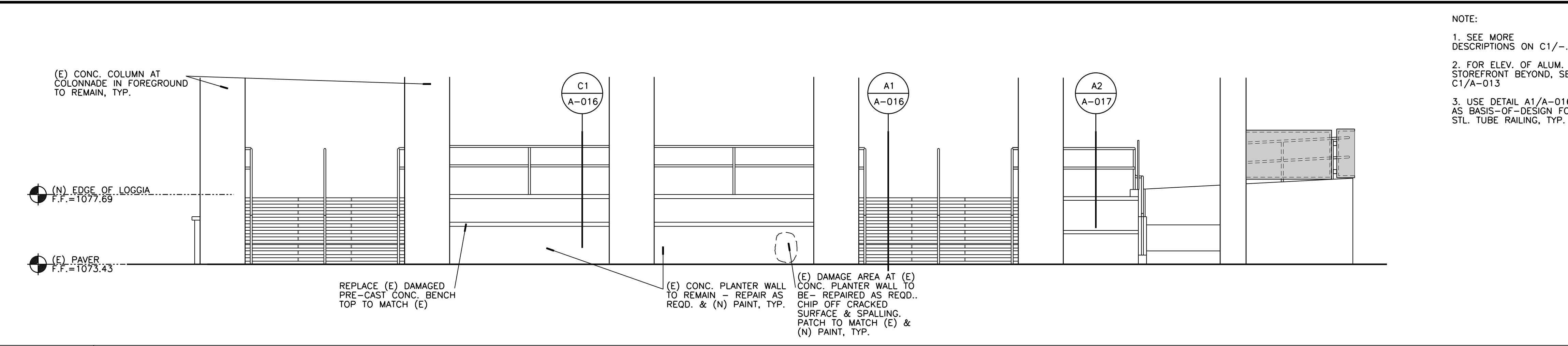
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UCR project manager SCOTT DONNEL	
scale AS NOTED	sd approval
Drawn by J.D.	dd approval
Checked by S.C.	cd approval
UCR project no. 957443	08/28/20
also number	construction release

Drawing Name: EXTERIOR ELEVATION A-012
Sheet No. OF

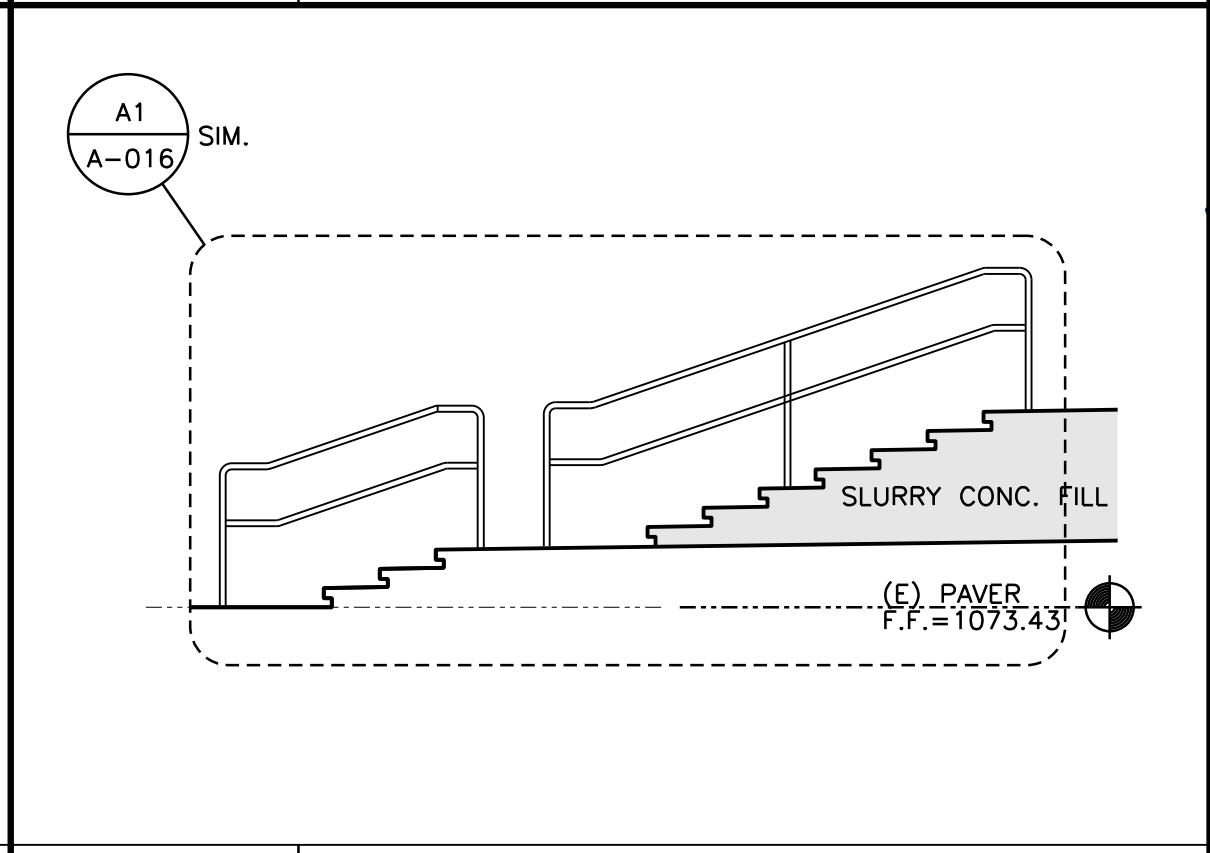
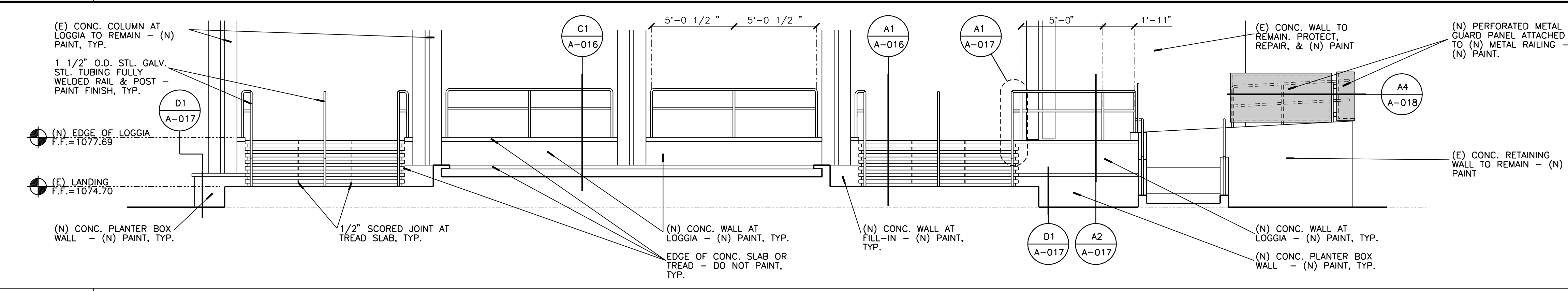
NOTE:
1. SEE MORE DESCRIPTIONS ON C1/-.
2. FOR ELEV. OF ALUM. STOREFRONT BEYOND, SEE C1/A-013
3. USE DETAIL A1/A-016 AS BASIS-OF-DESIGN FOR STL. TUBE RAILING, TYP.

NOTE:
USE DETAIL A1/A-016 AS BASIS-OF-DESIGN FOR STL. TUBE RAILING, TYP.
1 1/2" X 1/2" O.D. FULLY WELDED STL. TUBING GUARD PANEL FRAME, TYP.
1 1/2" O.D. STL. GALV. STL. TUBING FULLY WELDED RAIL & POST (AT FAR SIDE) - PAINT FINISH, TYP.
(E) LANDING F.F.=1078.27
PERFORATED METAL GUARD PANEL ATTACHED TO (N) RAILING
(E) CONC. RETAINING WALL TO REMAIN - (N) PAINT



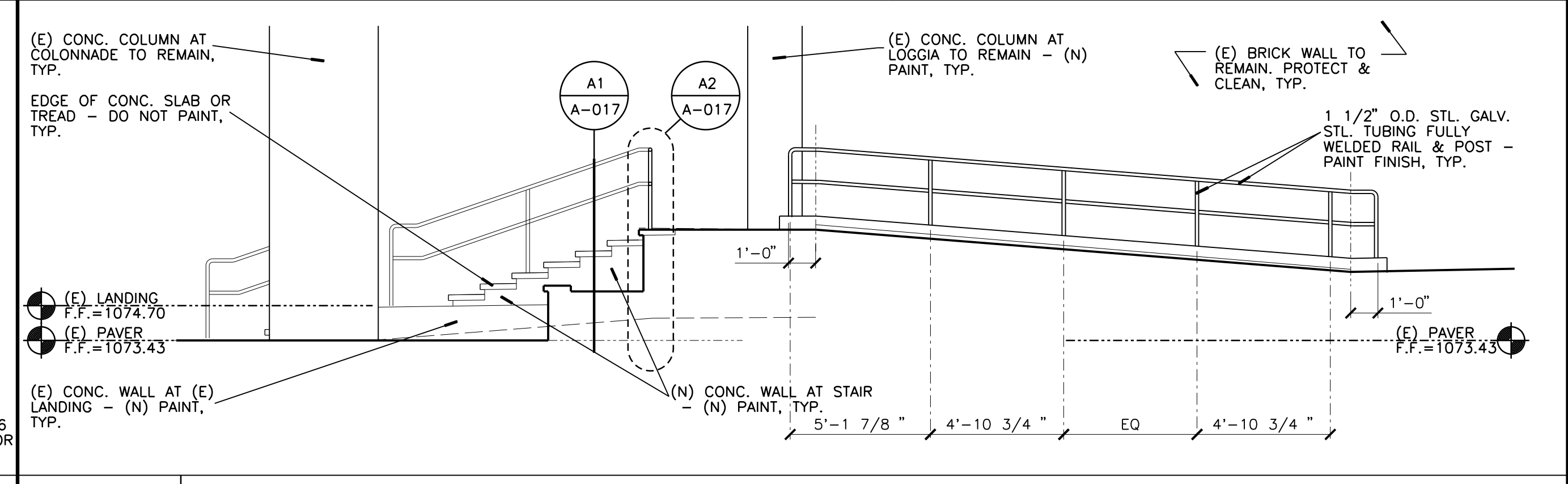
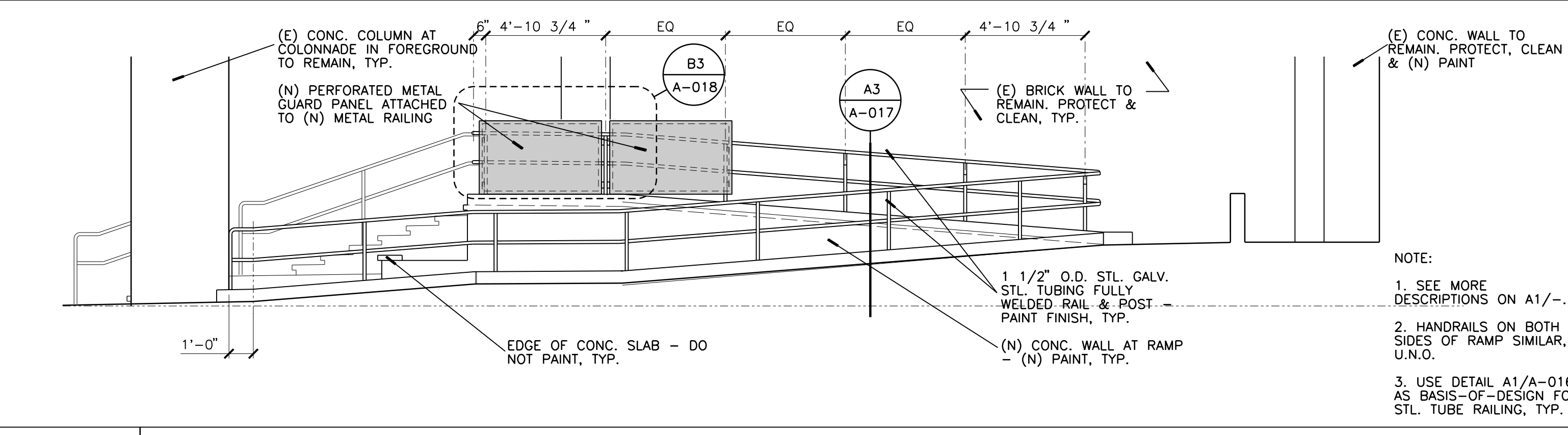
D1 EXTERIOR ELEVATION
1/4" = 1'-0"

D5 EXTERIOR ELEVATION
1/4" = 1'-0"



C1 EXTERIOR ELEVATION
1/4" = 1'-0"

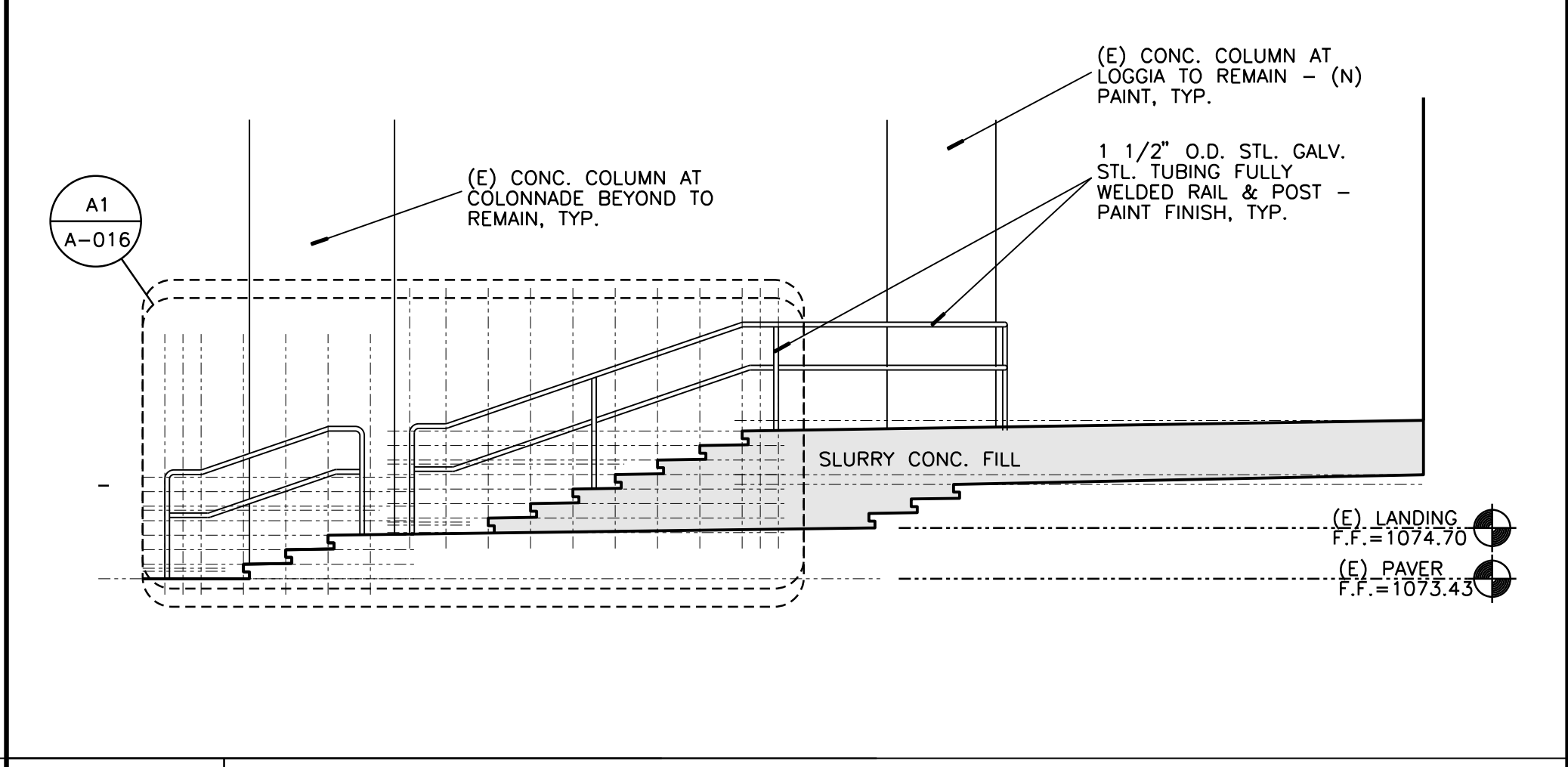
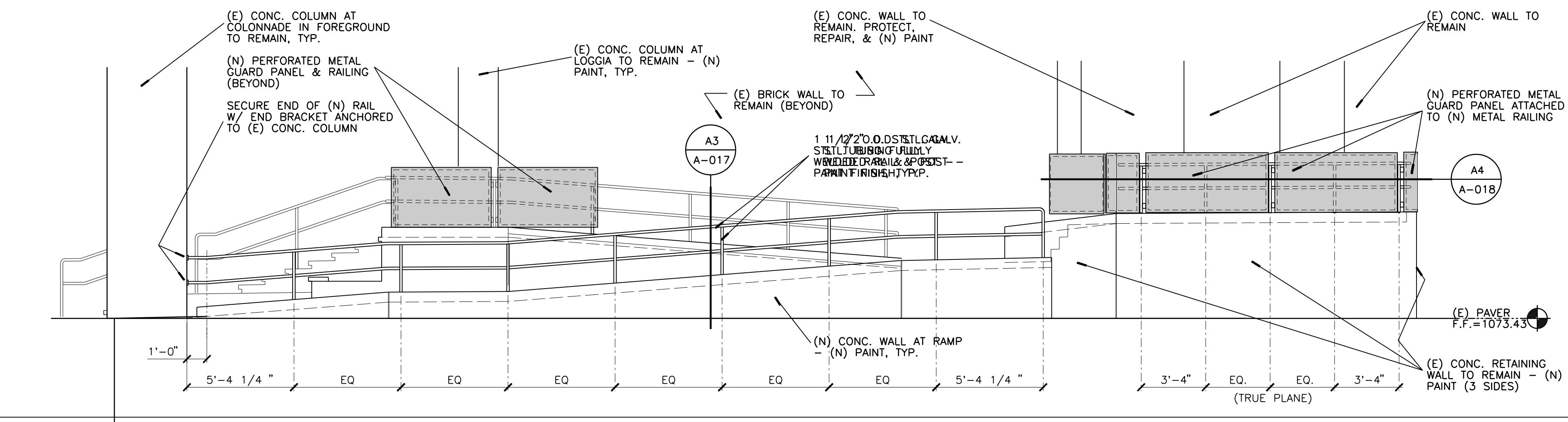
C5 EXTERIOR ELEVATION
1/4" = 1'-0"



NOTE:
1. SEE MORE DESCRIPTIONS ON A1/-.
2. HANDRAILS ON BOTH SIDES OF RAMP SIMILAR, U.N.O.
3. USE DETAIL A1/A-016 AS BASIS-OF-DESIGN FOR STL. TUBE RAILING, TYP.

B1 EXTERIOR ELEVATION
1/4" = 1'-0"

B3 EXTERIOR ELEVATION
1/4" = 1'-0"



A1 EXTERIOR ELEVATION
1/4" = 1'-0"

A4 EXTERIOR ELEVATION
1/4" = 1'-0"

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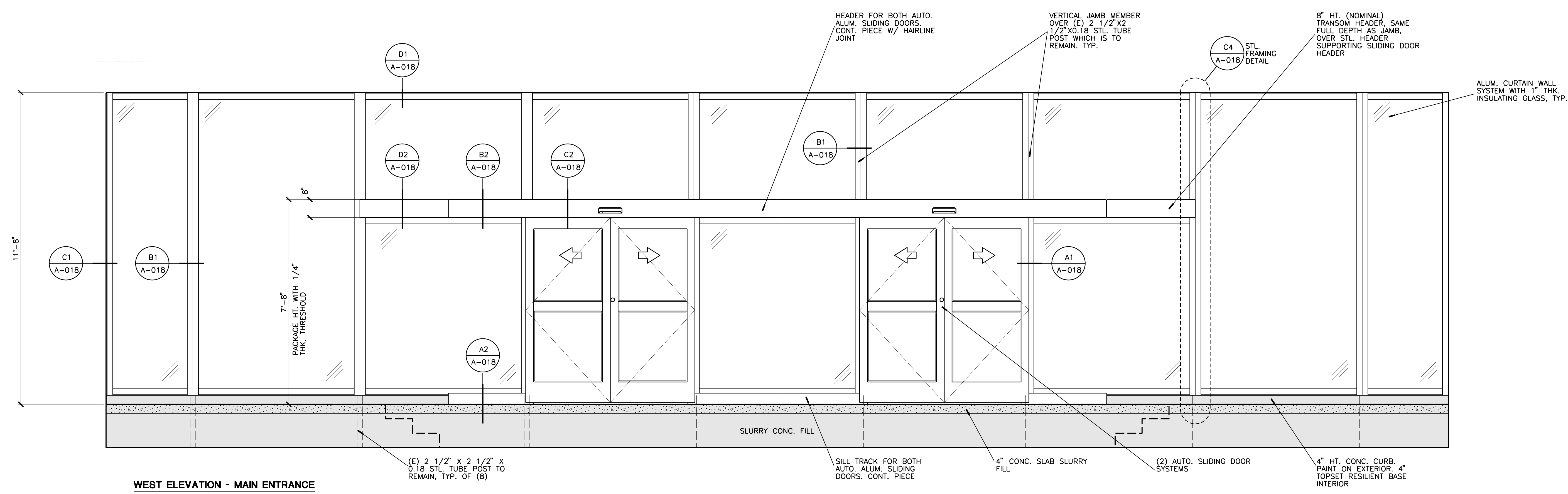
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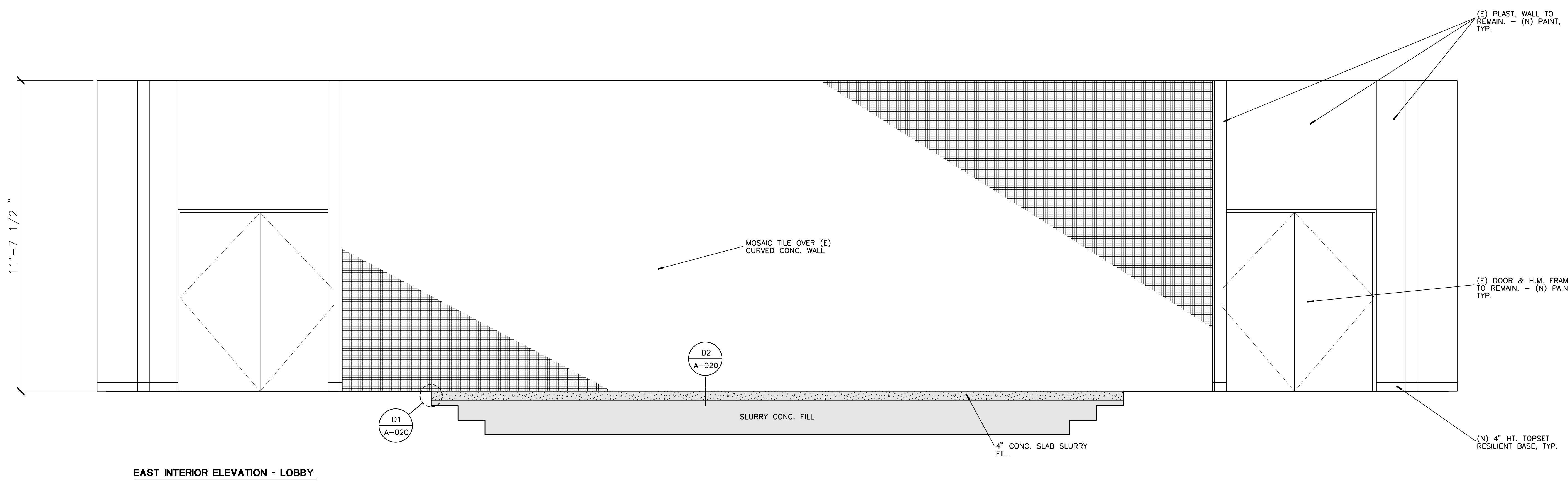
UNIVERSITY OF CALIFORNIA RIVERSIDE
 OFFICE OF ARCHITECTS & ENGINEERS
 1223 UNIVERSITY AVENUE, SUITE 240
 RIVERSIDE, CA. 92507
 TEL: (951) 827-4706 FAX: (951) 827-2402



Architect's Data:
 LICENSED ARCHITECT
 SHAWN GRINDGARDSON
 No. C15106
 State of California
 Architect's Stamp: [Signature]
 Consultants Stamp:



C1 EXTERIOR ELEVATION - FRONT ENTRANCE
 1/2" = 1'-0"



A1 INTERIOR ELEVATION - FOYER
 1/2" = 1'-0"

PROJECT TITLE
UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL
REBID AUGUST 2020

REVISIONS		
REV #	DESCRIPTION	DATE

Consultants Data:	
Project Title	UCR DMFI PROJECTS 2019 PHYSICS 2000 RENEWAL
UCR project manager	SCOTT DONNEL
Scale	AS NOTED
Drawn by	J.D.
Checked by	S.C.
UCR project no.	957443
Sheet No.	A-013 OF

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319230P1



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OFFICE OF ARCHITECTS & ENGINEERS

1223 UNIVERSITY AVENUE, SUITE 240 RIVERSIDE, CA. 92507 TEL: (951) 827-4706 FAX: (951) 827-2402



Institutional Designs & Architectural Services 3903 10th Street, Riverside, CA 92501-3521 Tel: (951) 342-3135 Fax: (951) 342-3137

Architect's Data:



Architect's Stamp: Consultants Stamp:

PROJECT TITLE
UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL
REBID AUGUST 2020

REVISIONS

REV #	DESCRIPTION	DATE

Consultants Data:

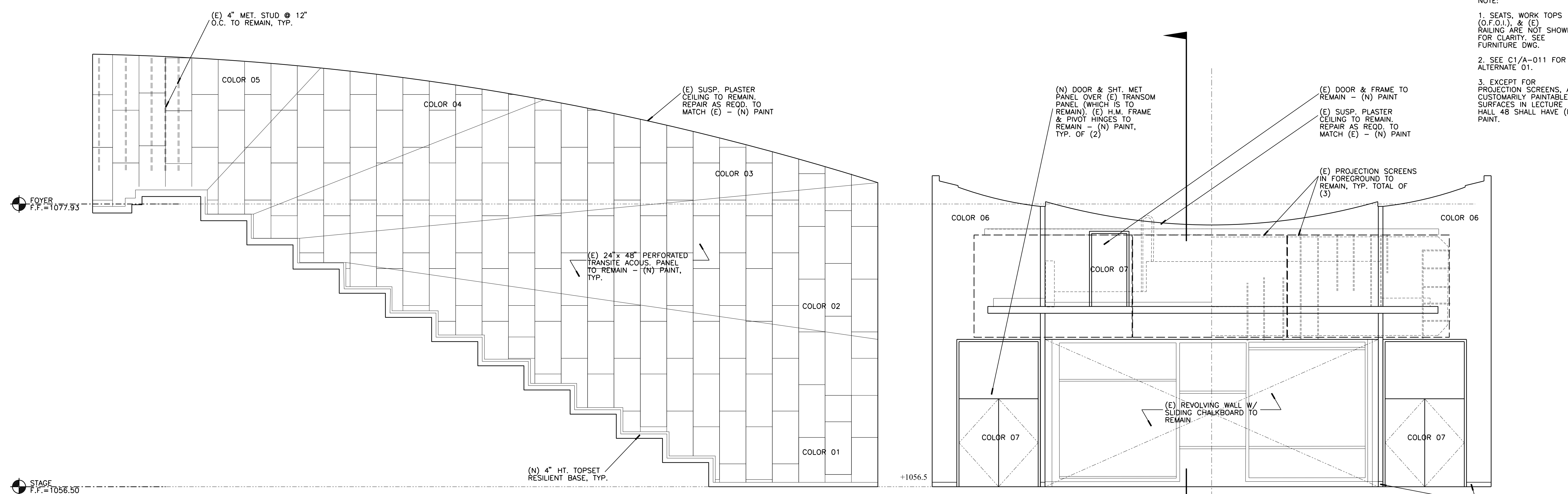
Project Title
UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL

UCR project manager
SCOTT DONNEL

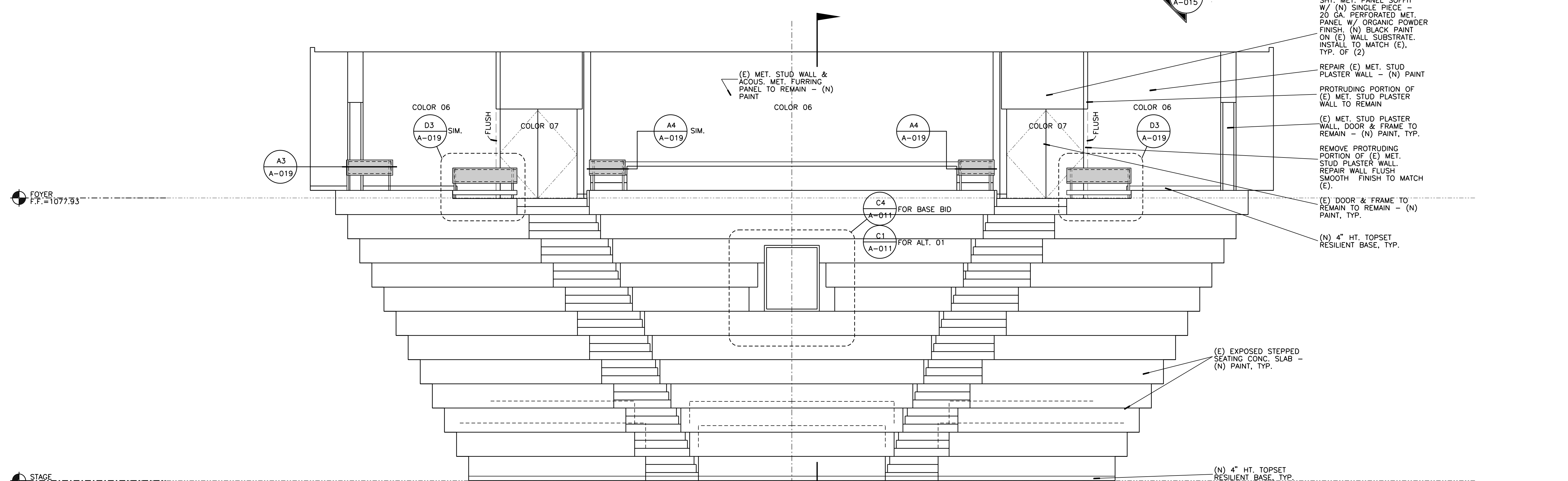
Scale	AS NOTED	sd approval
Drawn by	J.D.	sd approval
Checked by	S.C.	cd approval
UCR project no.	957443	construction release
date number		

Drawing Name	Sheet No.
INTERIOR ELEVATION	A-014
	OF

- NOTE:
- SEATS, WORK TOPS (O.F.O.I.), & (E) RAILING ARE NOT SHOWN FOR CLARITY. SEE FURNITURE DWG.
 - SEE C1/A-011 FOR ALTERNATE 01.
 - EXCEPT FOR PROJECTION SCREENS, ALL CUSTOMARILY PAINTABLE SURFACES IN LECTURE HALL 48 SHALL HAVE (N) PAINT.



NORTH ELEVATION (SOUTH SIMILAR) EAST ELEVATION



WEST ELEVATION

A1
INTERIOR ELEVATION - LECTURE HALL
1/4" = 1'-0"

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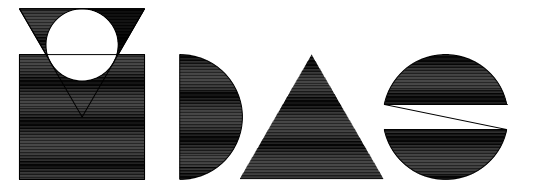
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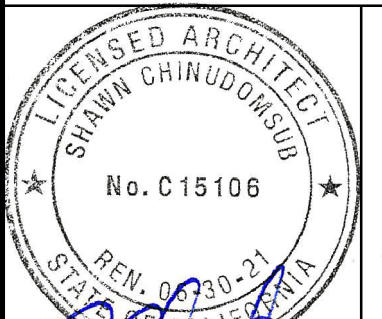
OFFICE OF ARCHITECTS & ENGINEERS

1223 UNIVERSITY AVENUE, SUITE 240
RIVERSIDE, CA. 92507
TEL: (951) 827-4706 FAX: (951) 827-2402



Institutional Designs & Architectural Services
3803 10th Street, Riverside, CA 92501-3521
Tel: (951) 342-3135 Fax: (951) 342-3137

Architect's Data:



Architect's Stamp: Consultants Stamp:

PROJECT TITLE
**UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL**
REBID AUGUST 2020

REVISIONS

REV #	DESCRIPTION	DATE

Consultants Data:

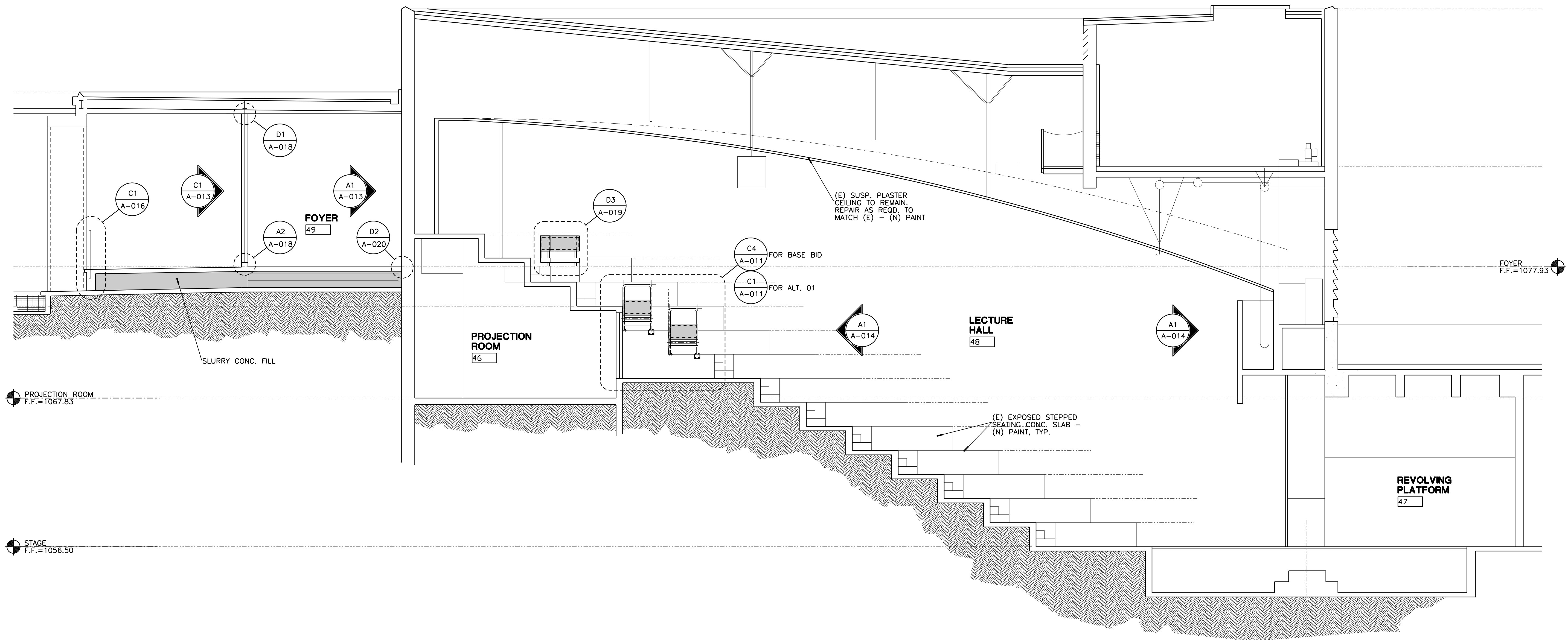
Project Title
**UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL**

UCR project manager
SCOTT DONNEL

Scale	AS NOTED	sd approval
Drawn by	J.D.	sd approval
Checked by	S.C.	cd approval
UCR project no.	957443	construction release 08/28/20
iso number		

Drawing Name
PARTIAL BUILDING SECTION
Sheet No.
A-015
OF

- NOTE:
- SEATS, WORK TOPS (O.F.O.I.), & (E) RAILING ARE NOT SHOWN FOR CLARITY. SEE FURNITURE DWG.
 - SEE C1/A-011 FOR ALTERNATE 01

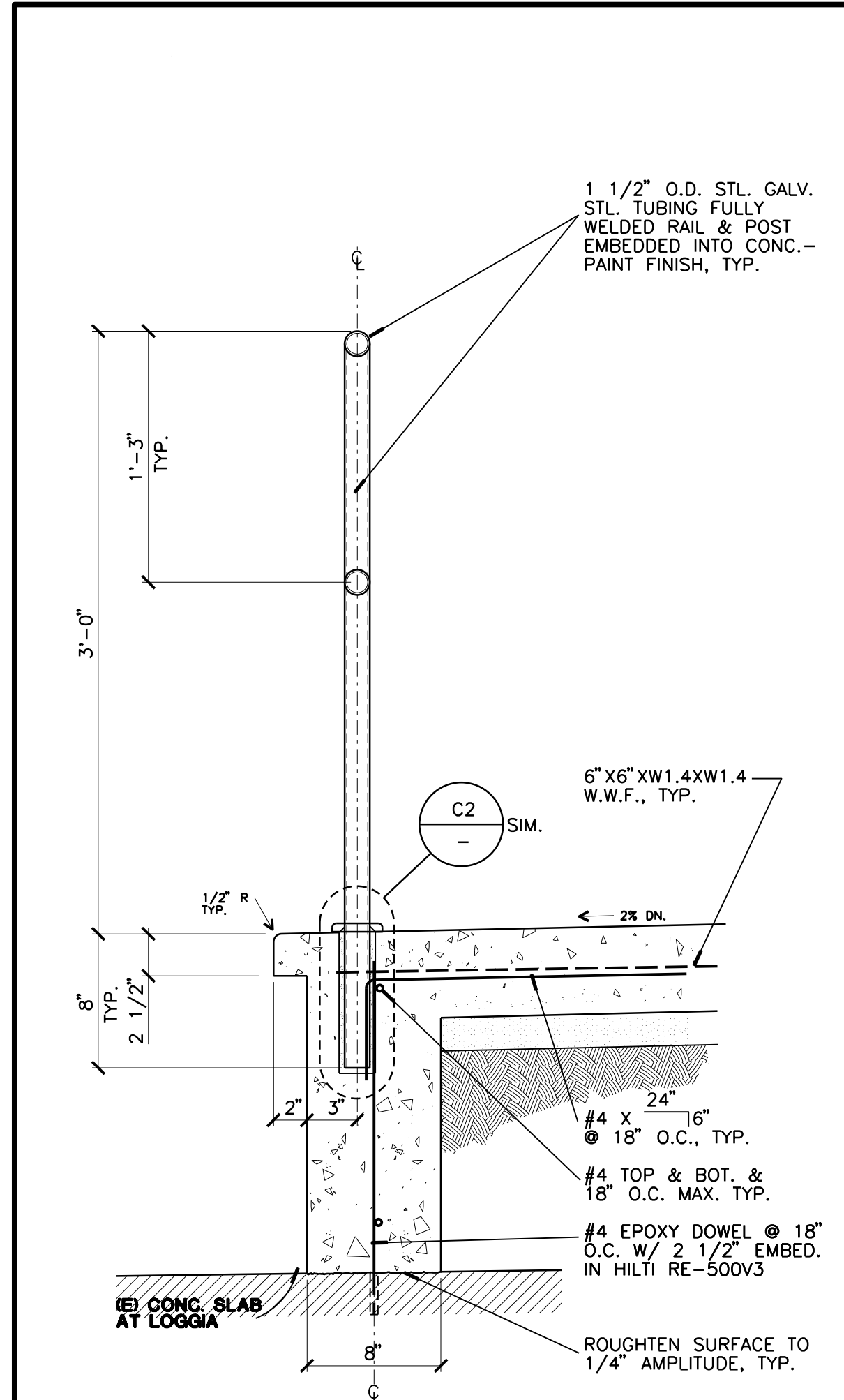


A1 PARTIAL BUILDING SECTION - LECTURE HALL & FOYER

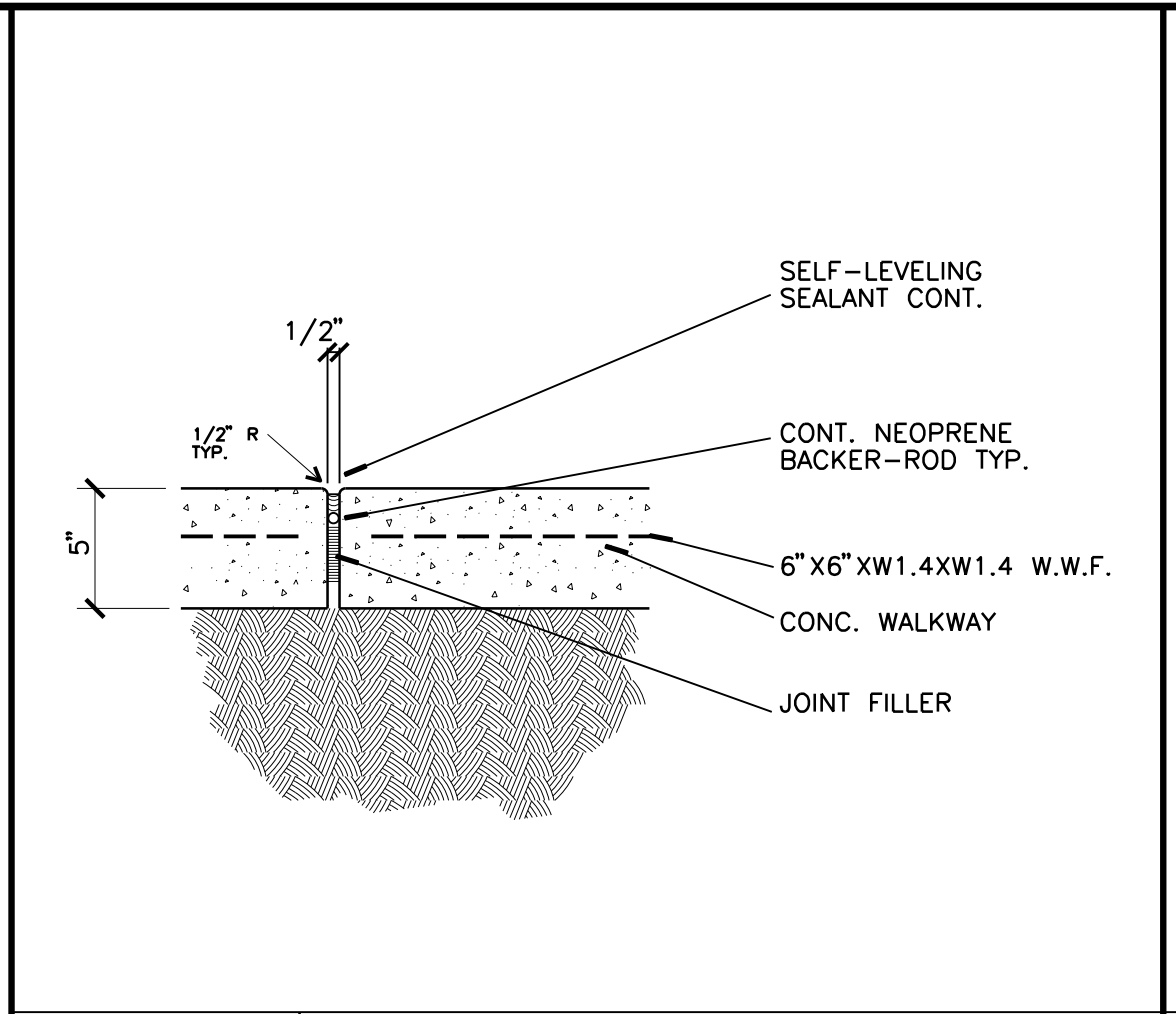
1/4" = 1'-0"

319230.PDF

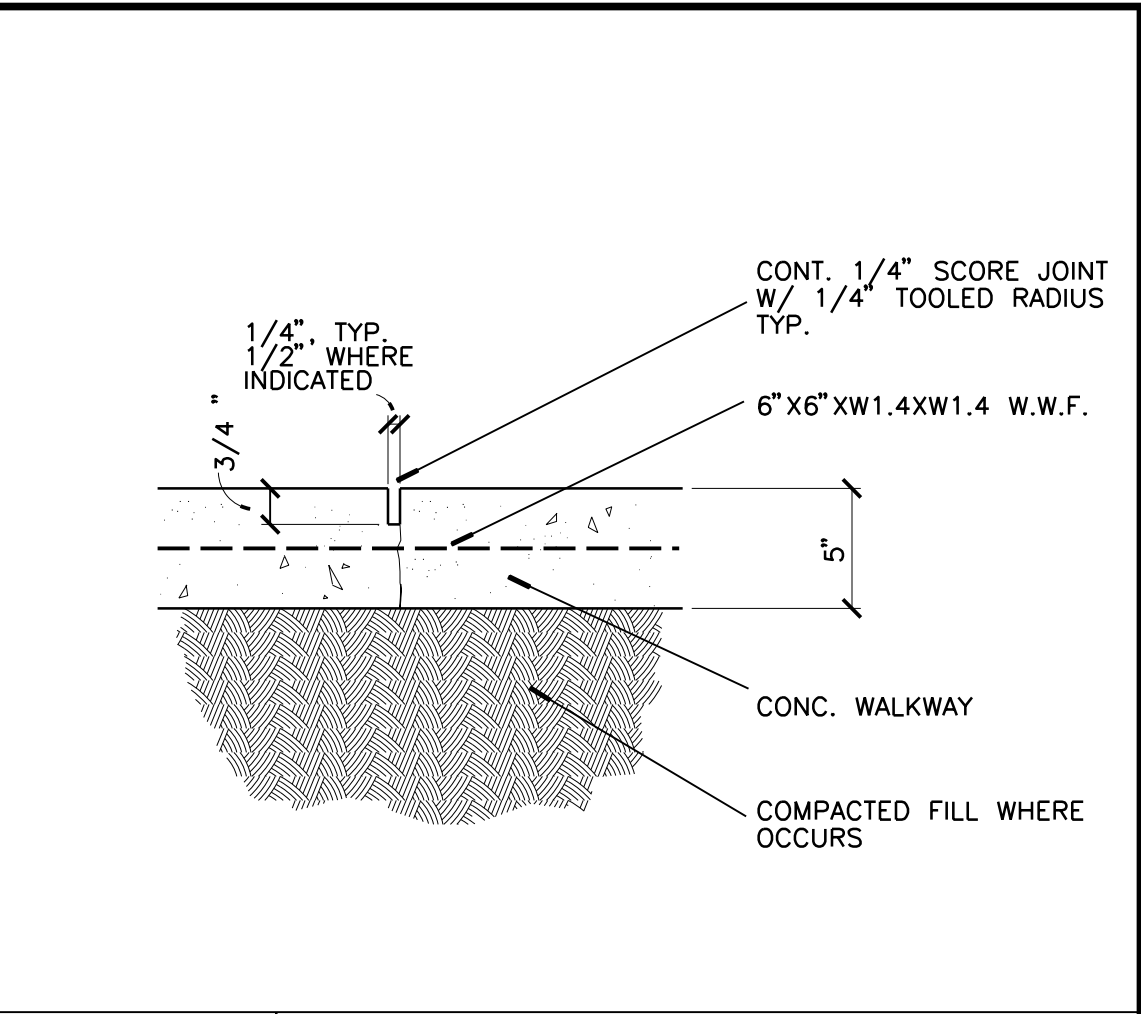
Copyright 2020 by IDA, Inc. All rights reserved. Reproduction in whole or in part without permission is prohibited. C:\08\DMFI\03\180828\PA21\SDPP.dwg 2:48:57 PM



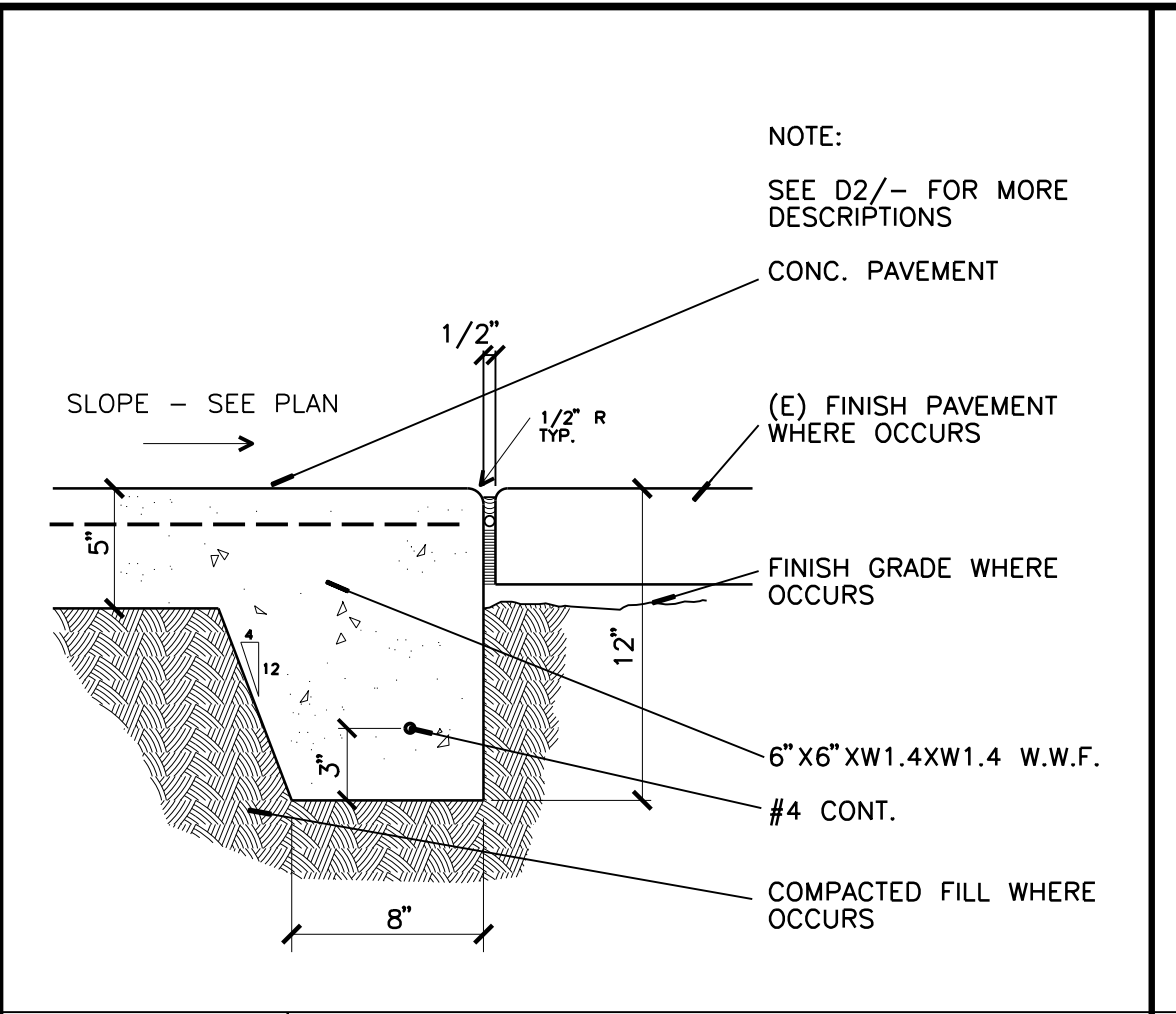
C1 EDGE OF LOGGIA SLAB & RAILING
1 1/2" = 1'-0"



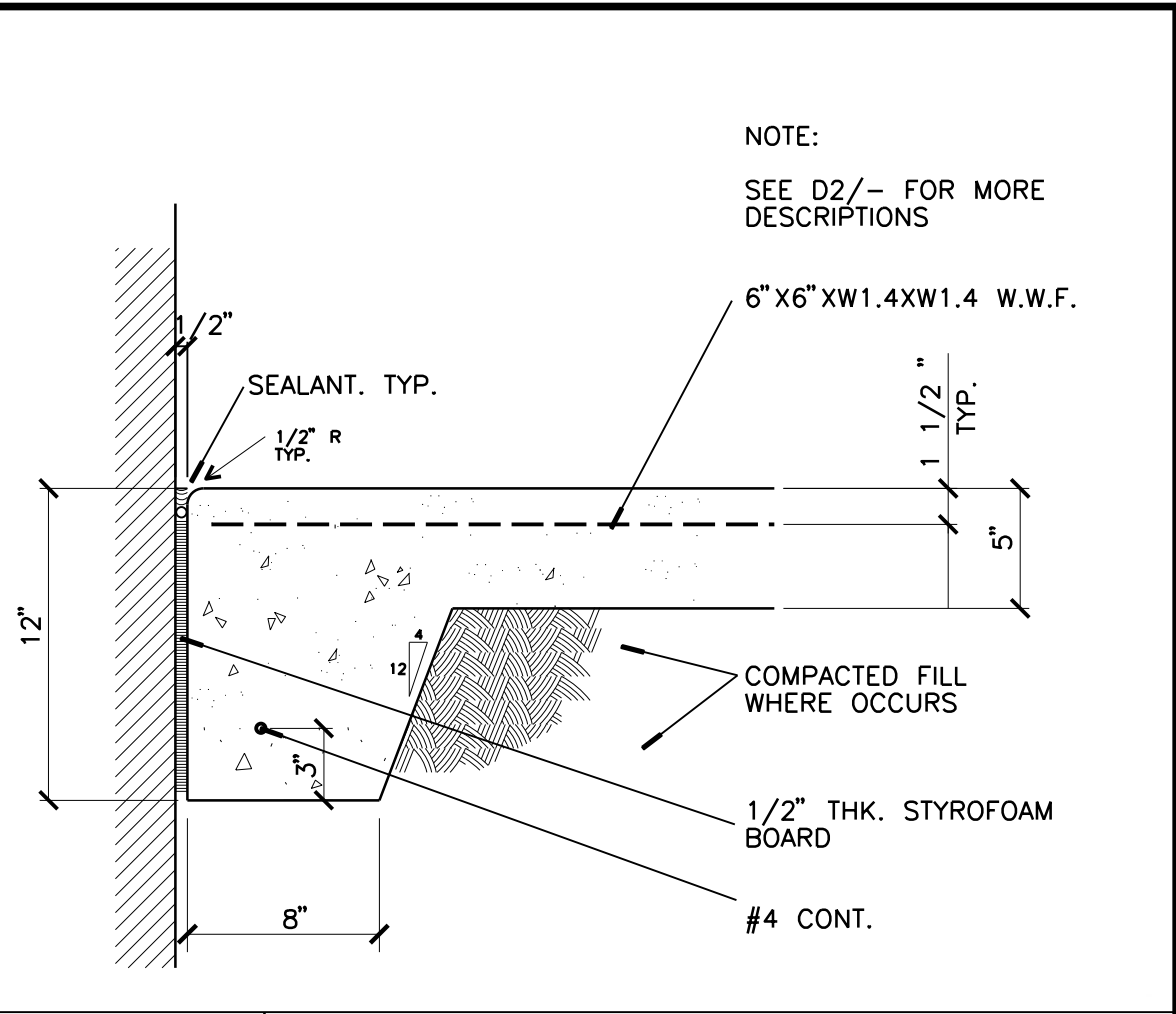
D2 EXPANSION JOINT - TYPICAL
1 1/2" = 1'-0"



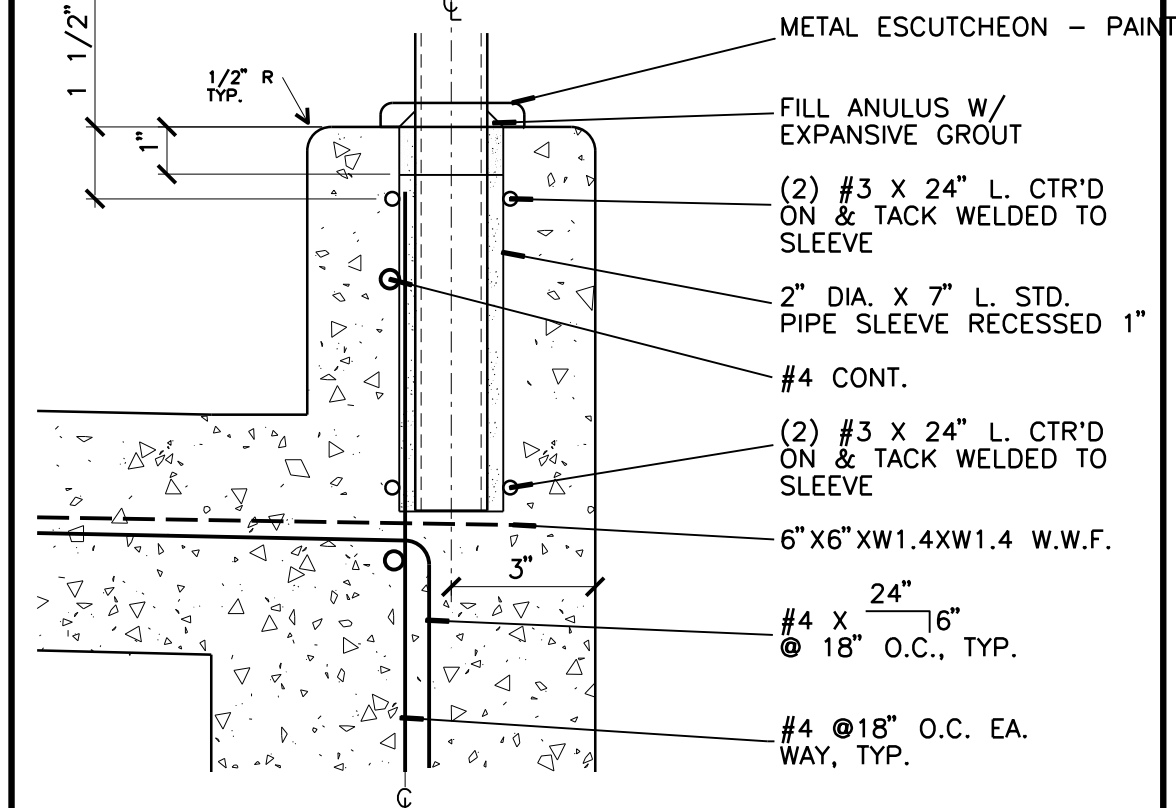
D3 SCORED JOINT - TYPICAL
1 1/2" = 1'-0"



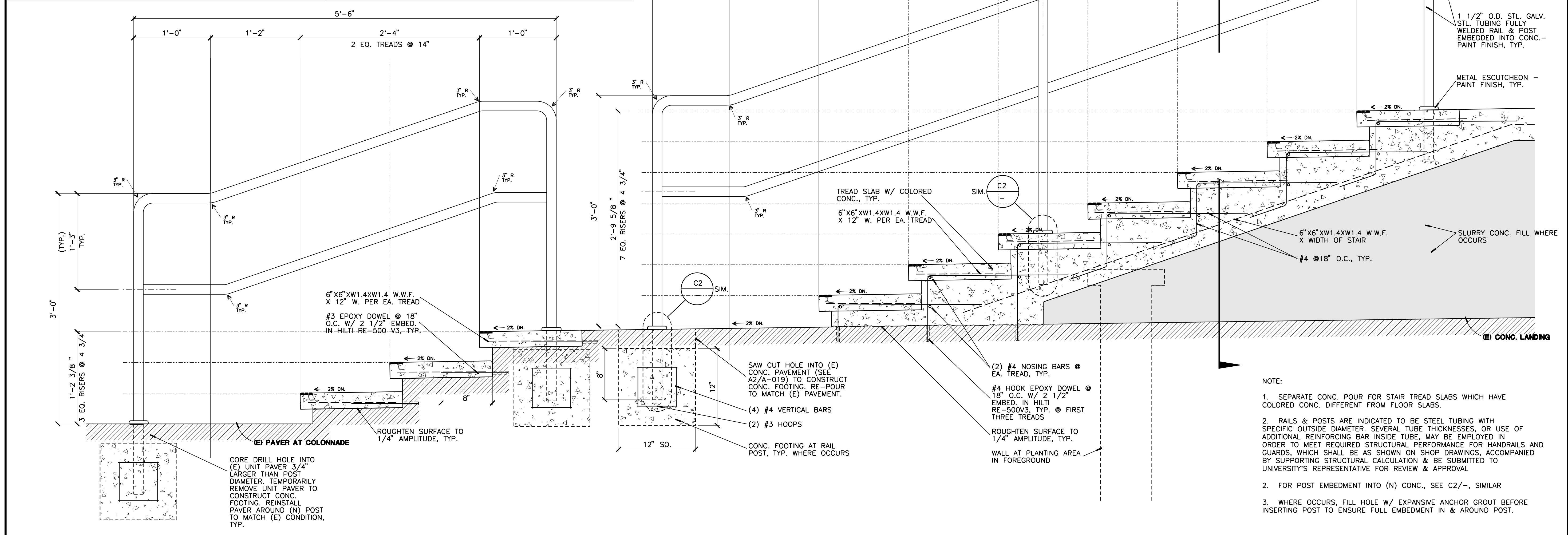
D4 EDGE OF EXT. CONC. SLAB - TYP.
1 1/2" = 1'-0"



D5 EDGE OF EXT. CONC. SLAB AT WALL
1 1/2" = 1'-0"



C2 RAILING ANCHOR - TYPICAL
3" = 1'-0"



A1 CROSS SECTION OF EXTERIOR FRONT MAIN STAIRS - BOTH STAIRS SIMILAR
1 1/2" = 1'-0"

- NOTE:
- SEPARATE CONC. POUR FOR STAIR TREAD SLABS WHICH HAVE COLORED CONC. DIFFERENT FROM FLOOR SLABS.
 - RAILS & POSTS ARE INDICATED TO BE STEEL TUBING WITH SPECIFIC OUTSIDE DIAMETER, SEVERAL TUBE THICKNESSES, OR USE OF ADDITIONAL REINFORCING BAR INSIDE TUBE. MAY BE EMPLOYED IN ORDER TO MEET REQUIRED STRUCTURAL PERFORMANCE FOR HANDRAILS AND GUARDS, WHICH SHALL BE AS SHOWN ON SHOP DRAWINGS, ACCOMPANIED BY SUPPORTING STRUCTURAL CALCULATION & BE SUBMITTED TO UNIVERSITY'S REPRESENTATIVE FOR REVIEW & APPROVAL.
 - WHERE OCCURS, FILL HOLE W/ EXPANSIVE ANCHOR GROUT BEFORE INSERTING POST TO ENSURE FULL EMBEDMENT IN & AROUND POST.

PROJECT TITLE
UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL
REBID AUGUST 2020

REVISIONS

REV #	DESCRIPTION	DATE

Consultants Data:

Project Title	UCR DMFI PROJECTS 2019 PHYSICS 2000 RENEWAL	
UCR project manager	SCOTT DONNEL	
Scale	AS NOTED	sd approval
Drawn by	J.D.	dd approval
Checked by	S.C.	cd approval
UCR project no.	957443	construction release
also number		

Project Title

UCR DMFI PROJECTS 2019 PHYSICS 2000 RENEWAL

UCR project manager

SCOTT DONNEL

Scale	AS NOTED	sd approval
Drawn by	J.D.	dd approval
Checked by	S.C.	cd approval
UCR project no.	957443	construction release
also number		

Drawing Name

SECTION & DETAILS

Sheet No.

A-016

OF



OFFICE OF ARCHITECTS & ENGINEERS
 1223 UNIVERSITY AVENUE, SUITE 240
 RIVERSIDE, CA 92507
 TEL: (951) 827-4706 FAX: (951) 827-2402



Architect's Data:



Architect's Stamp: Consultants Stamp:

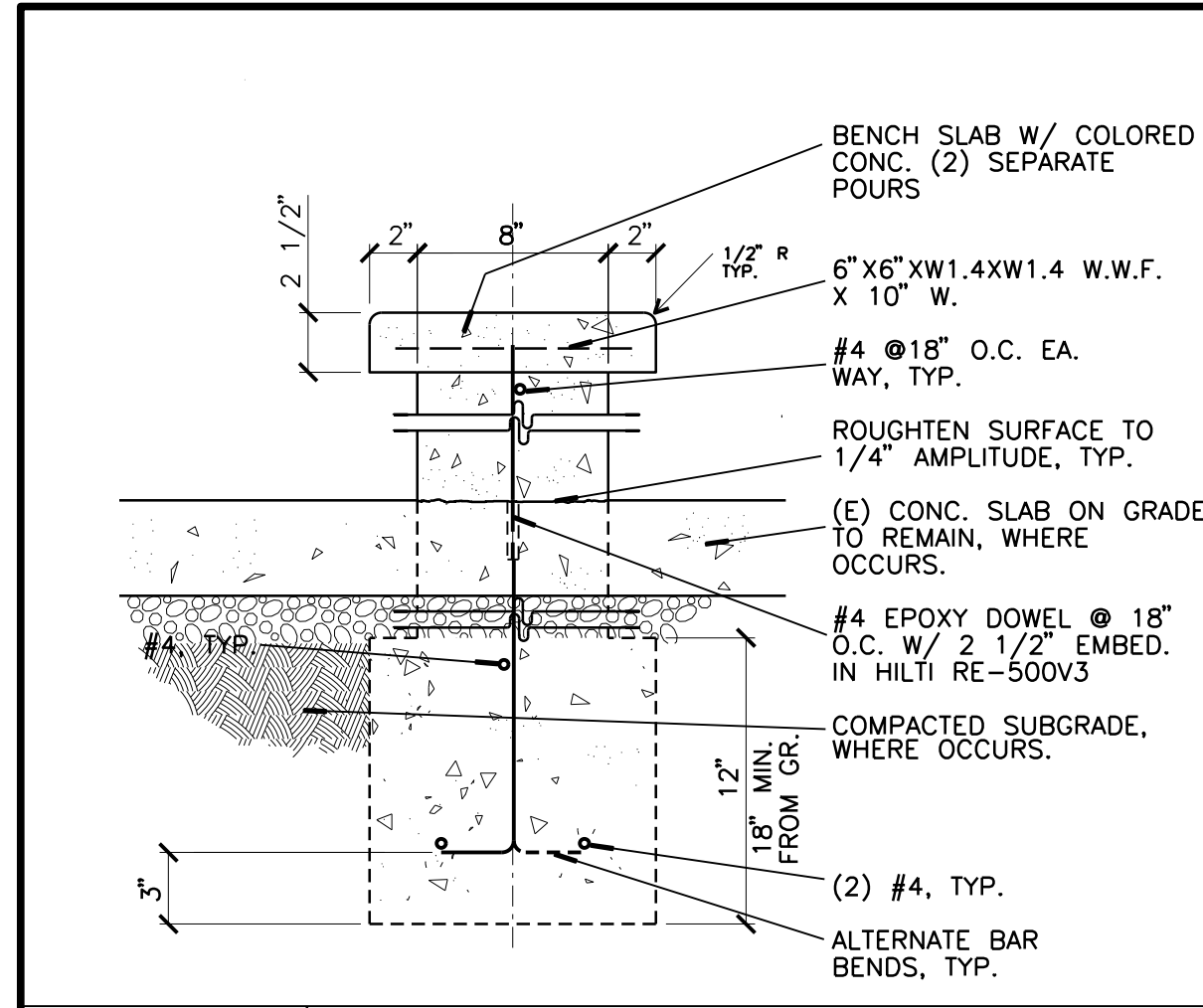
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UCR DMFI PROJECTS 2019 PHYSICS 2000 RENEWAL
 REBID AUGUST 2020

REVISIONS		
REV #	DESCRIPTION	DATE

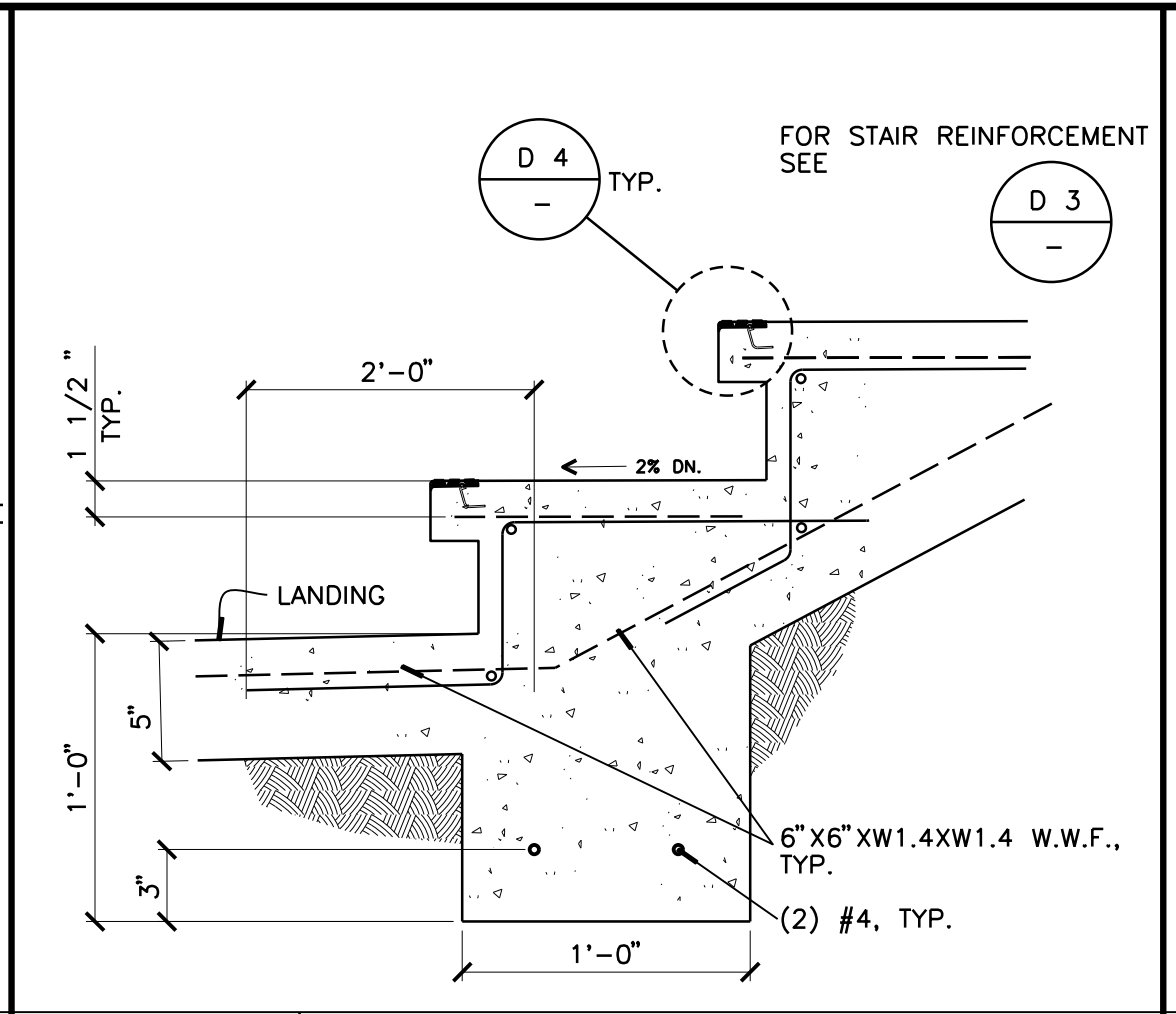
Consultants Data:
 Project Title
 UCR DMFI PROJECTS 2019 PHYSICS 2000 RENEWAL

UCR project manager SCOTT DONNEL	
Scale AS NOTED	sd approval
Drawn by J.D.	jd approval
Checked by S.C.	sc approval
UCR project no. 957443	08/28/20
also number	release

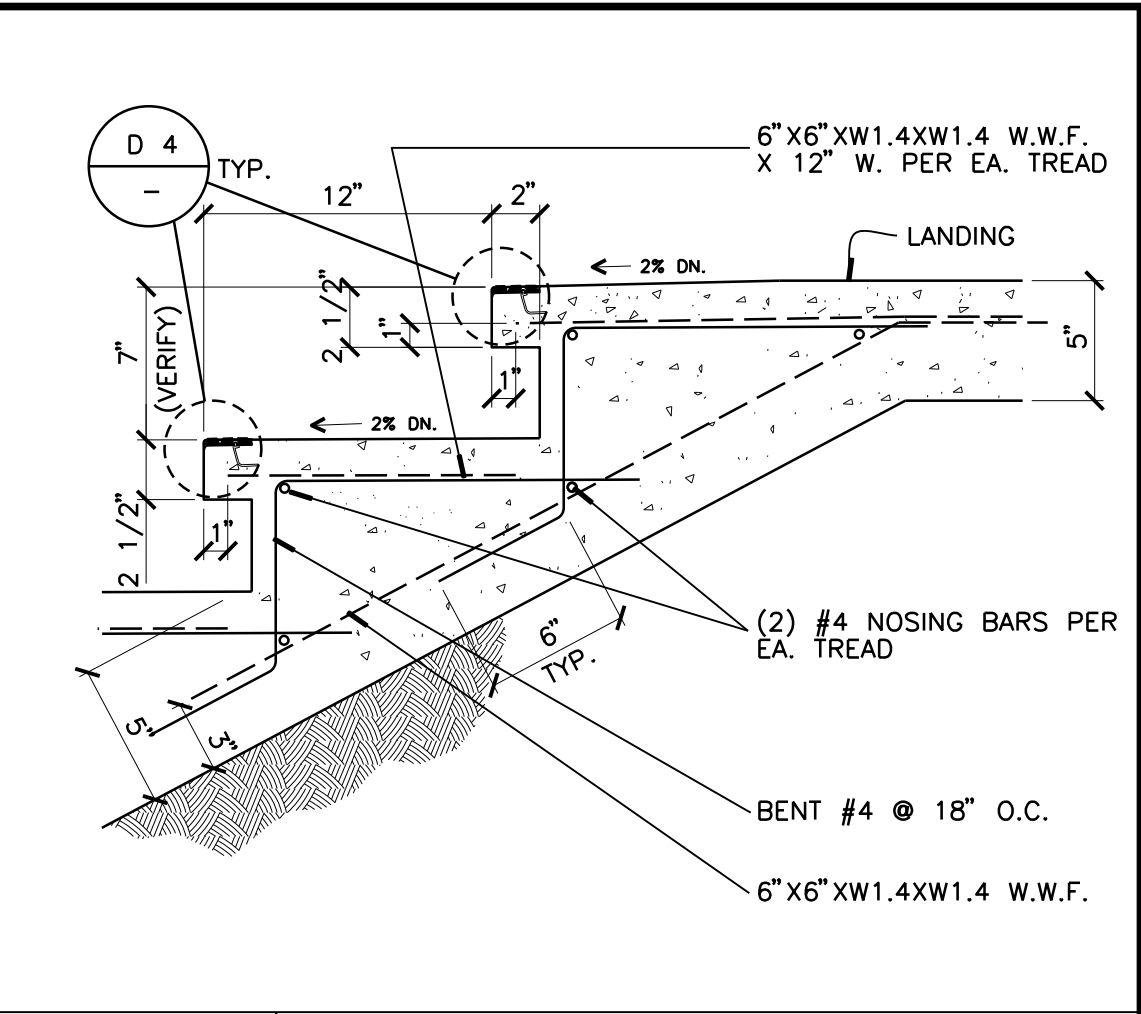
Drawing Name: SECTION & DETAILS
 Sheet No. A-017 OF



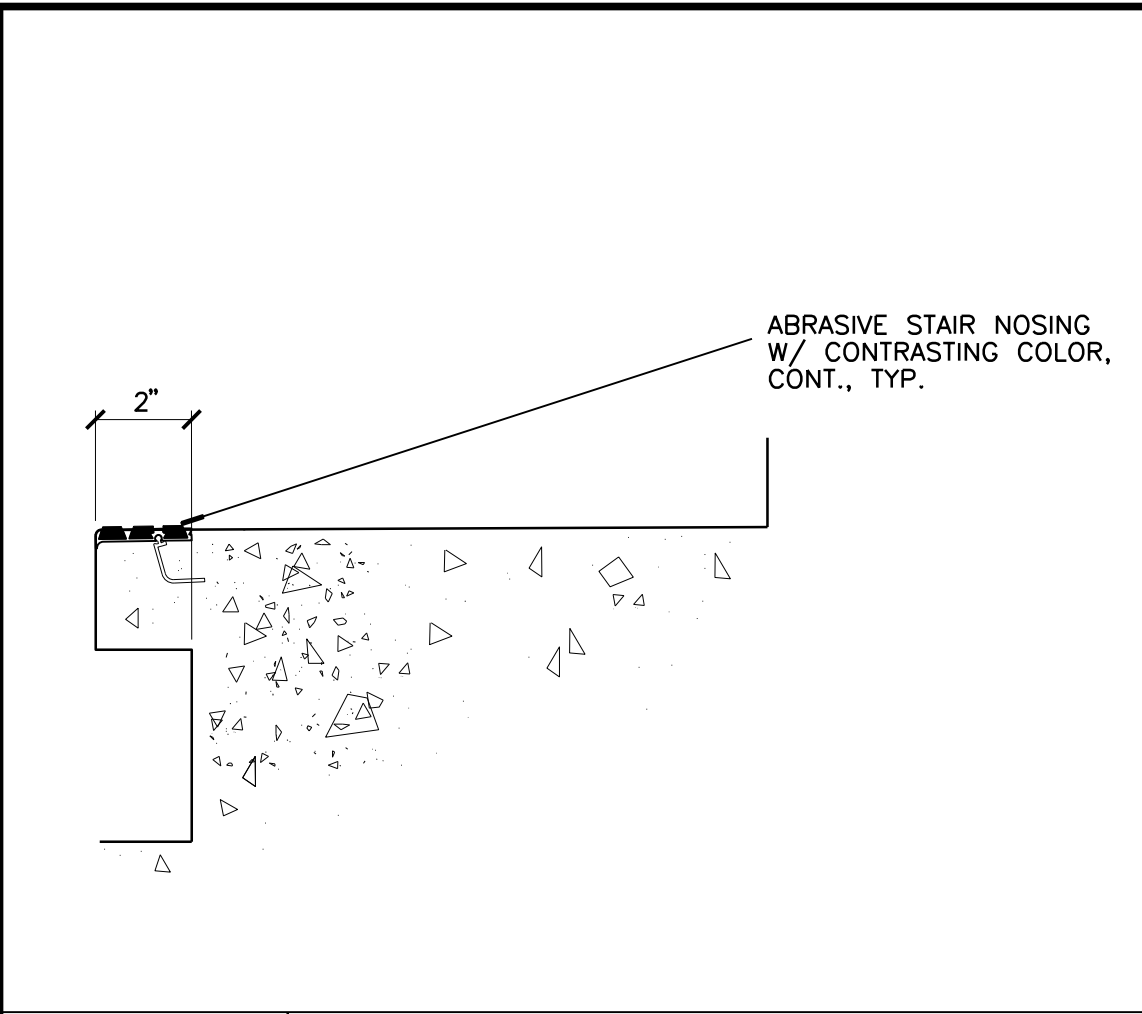
D1 WALL AT PLANTER BOX
 1 1/2" = 1'-0"



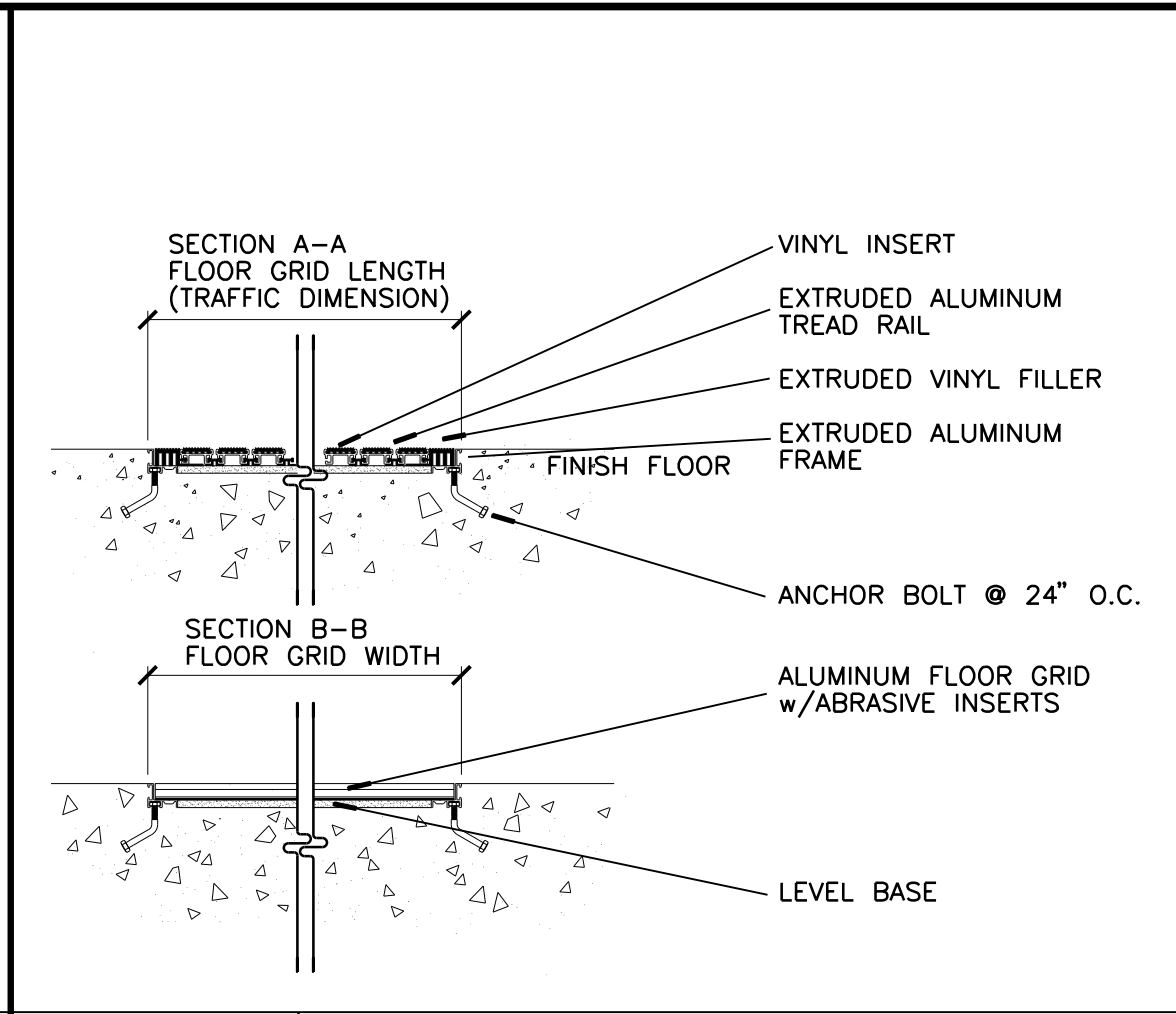
D2 EXTERIOR STAIR
 1 1/2" = 1'-0"



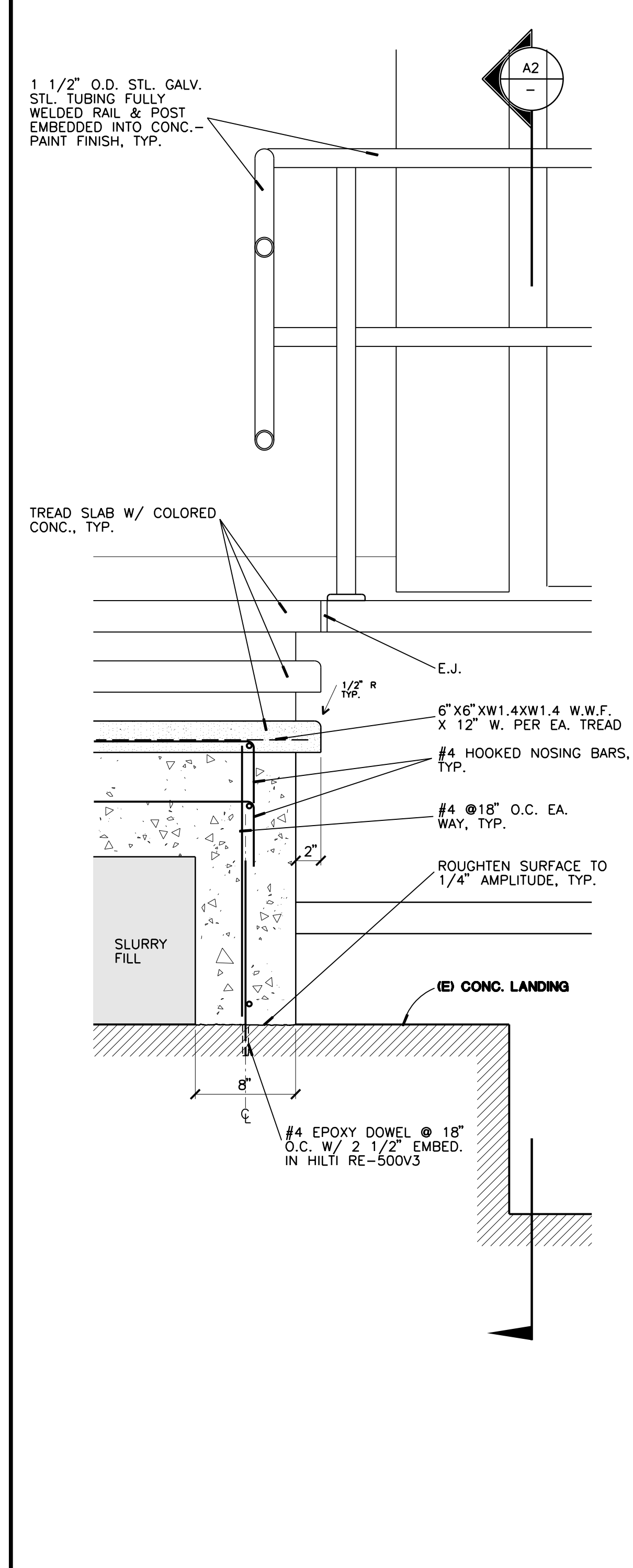
D3 EXTERIOR STAIR
 1 1/2" = 1'-0"



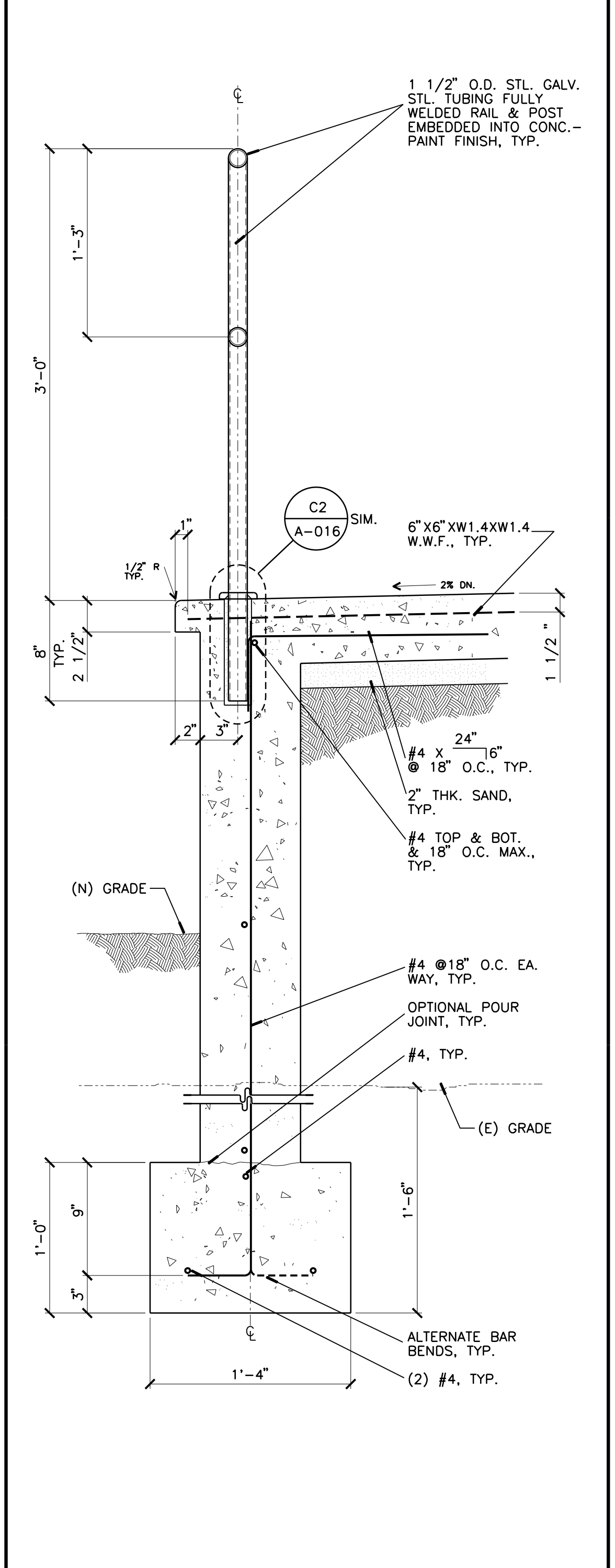
D4 STAIR NOSING - TYP.
 1 1/2" = 1'-0"



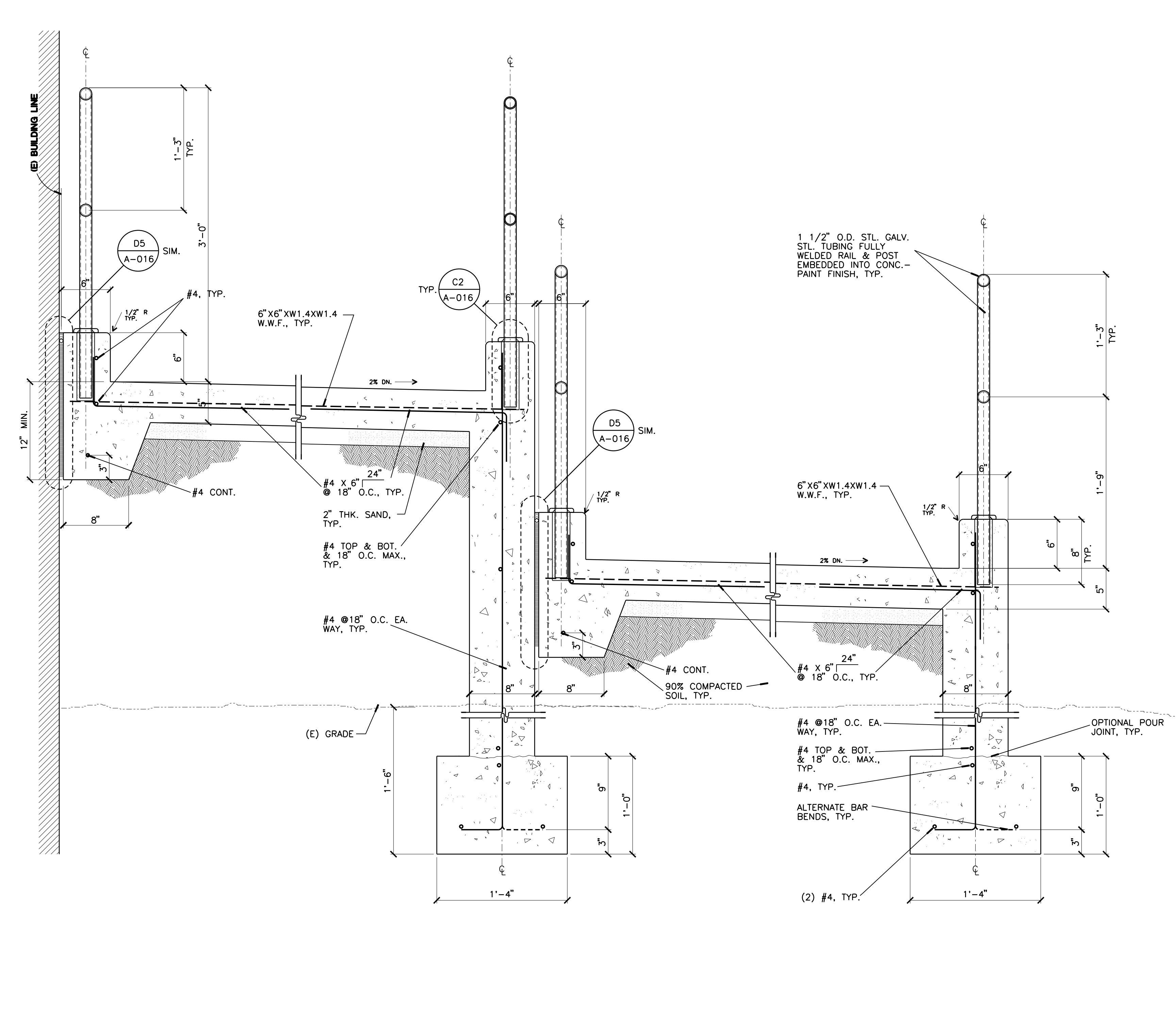
D5 RECESSED FLOOR MAT
 1 1/2" = 1'-0"



A1 SECTION OF MAIN STAIRS
 1 1/2" = 1'-0"



A2 SECTION OF TOP LANDING AT RAMP
 1 1/2" = 1'-0"



A3 CROSS SECTION AT RAMP
 1 1/2" = 1'-0"

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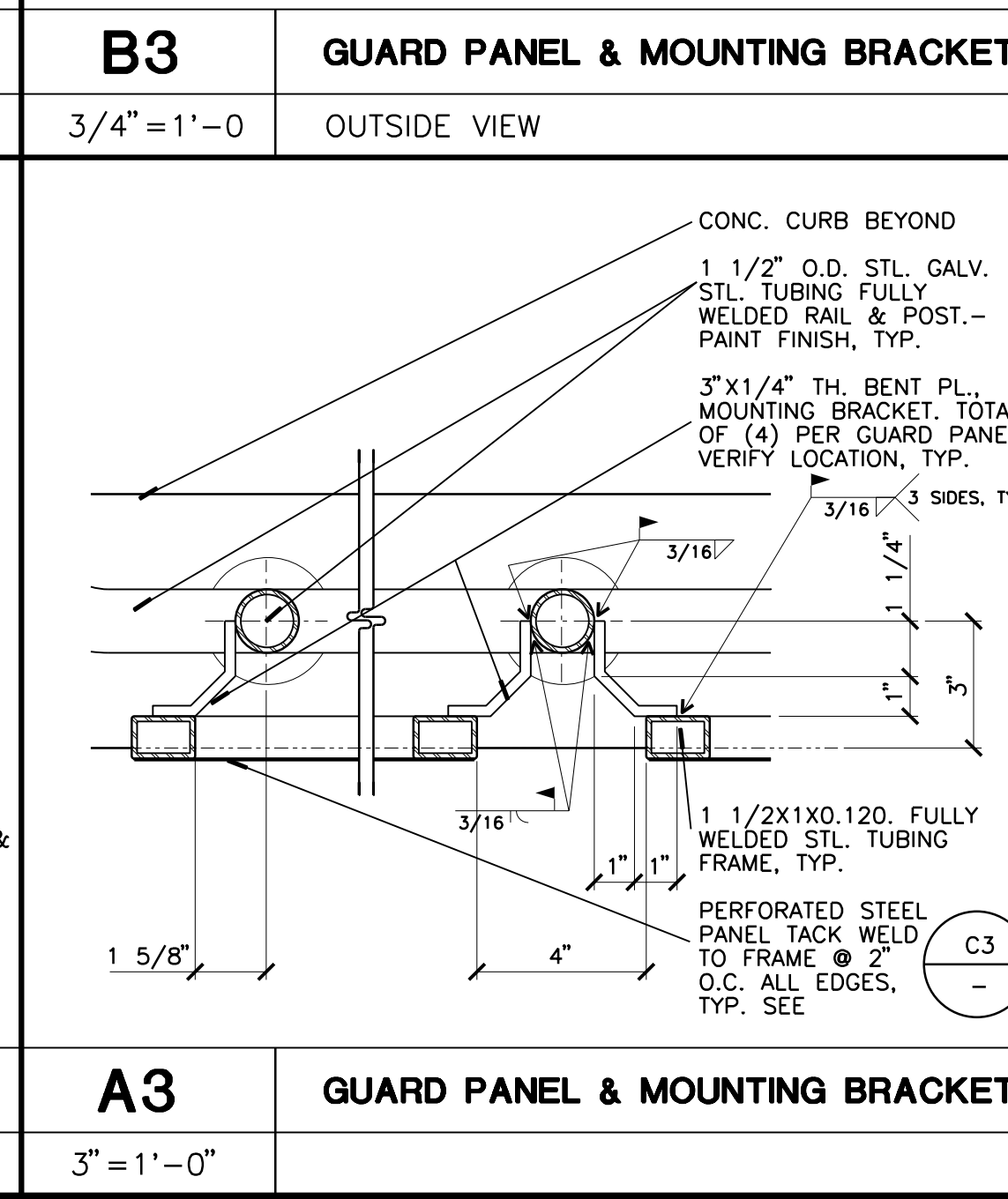
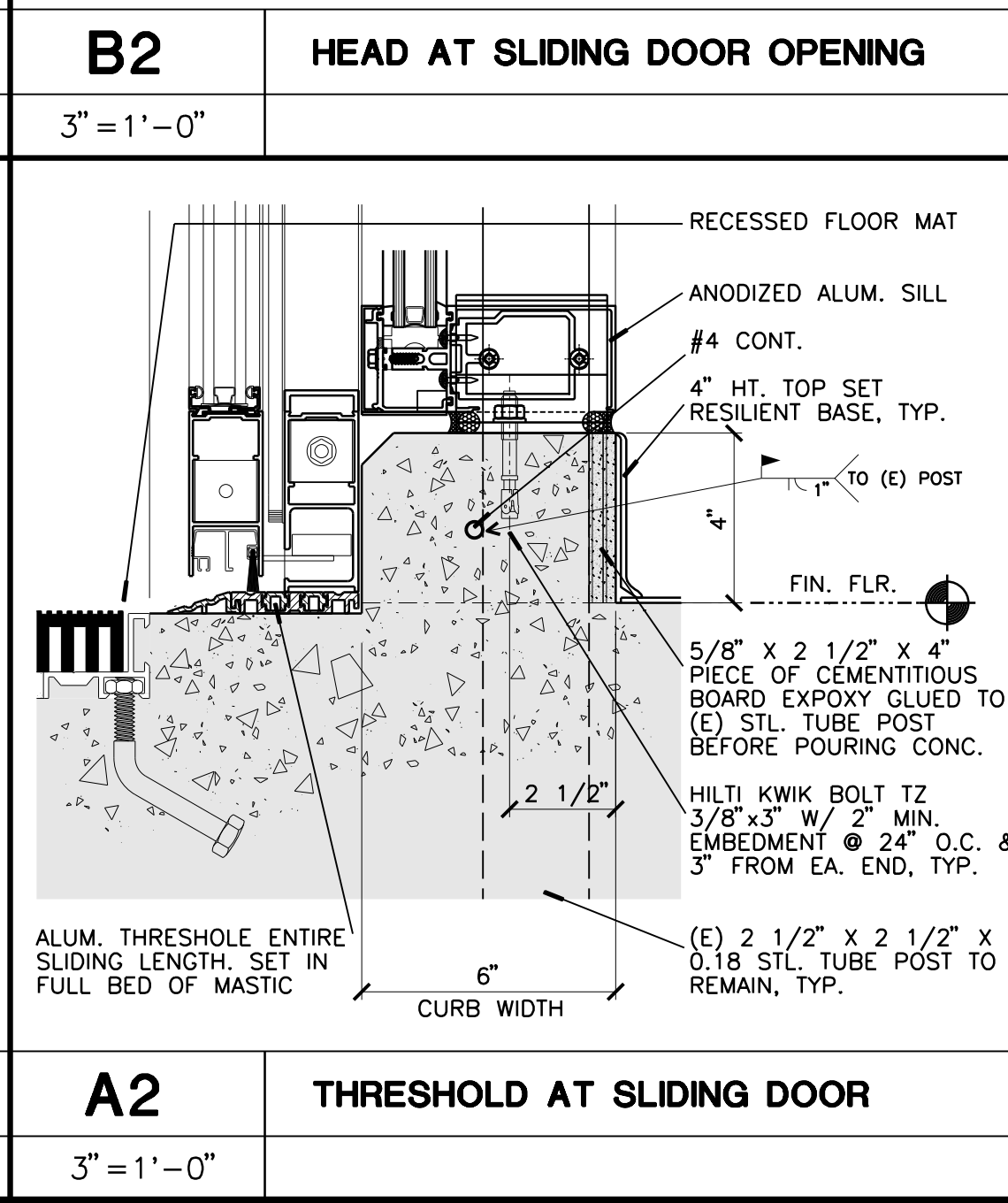
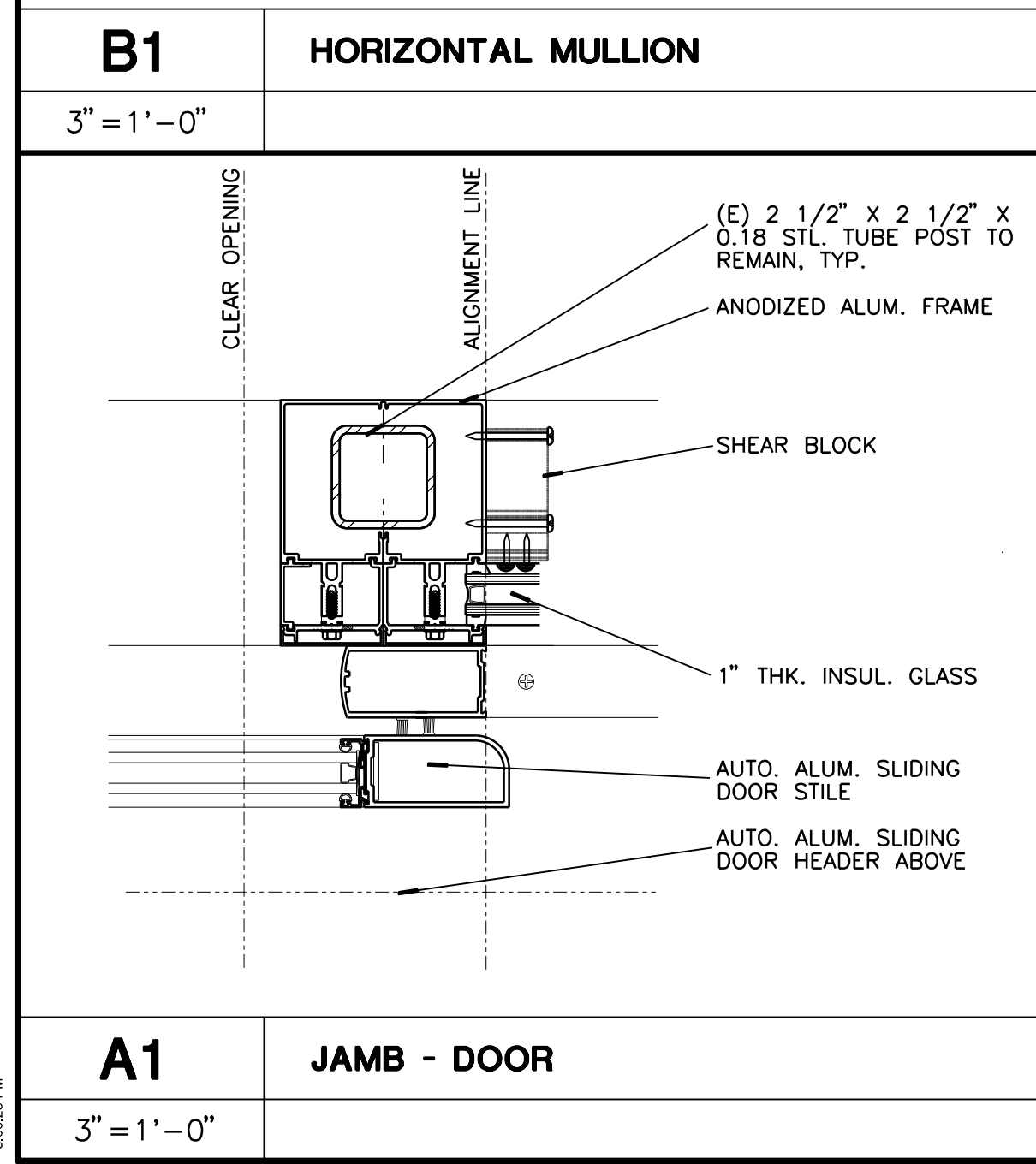
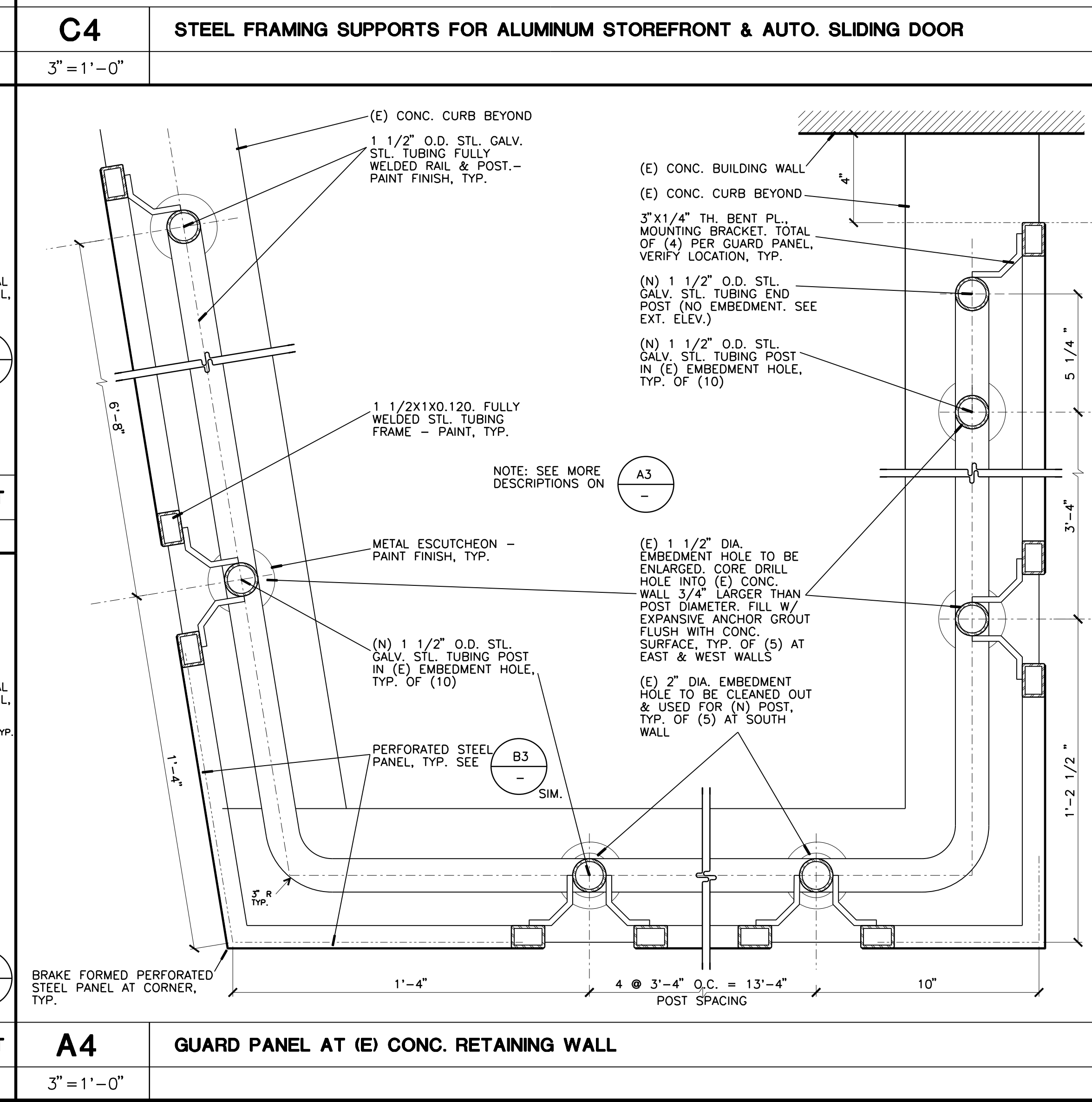
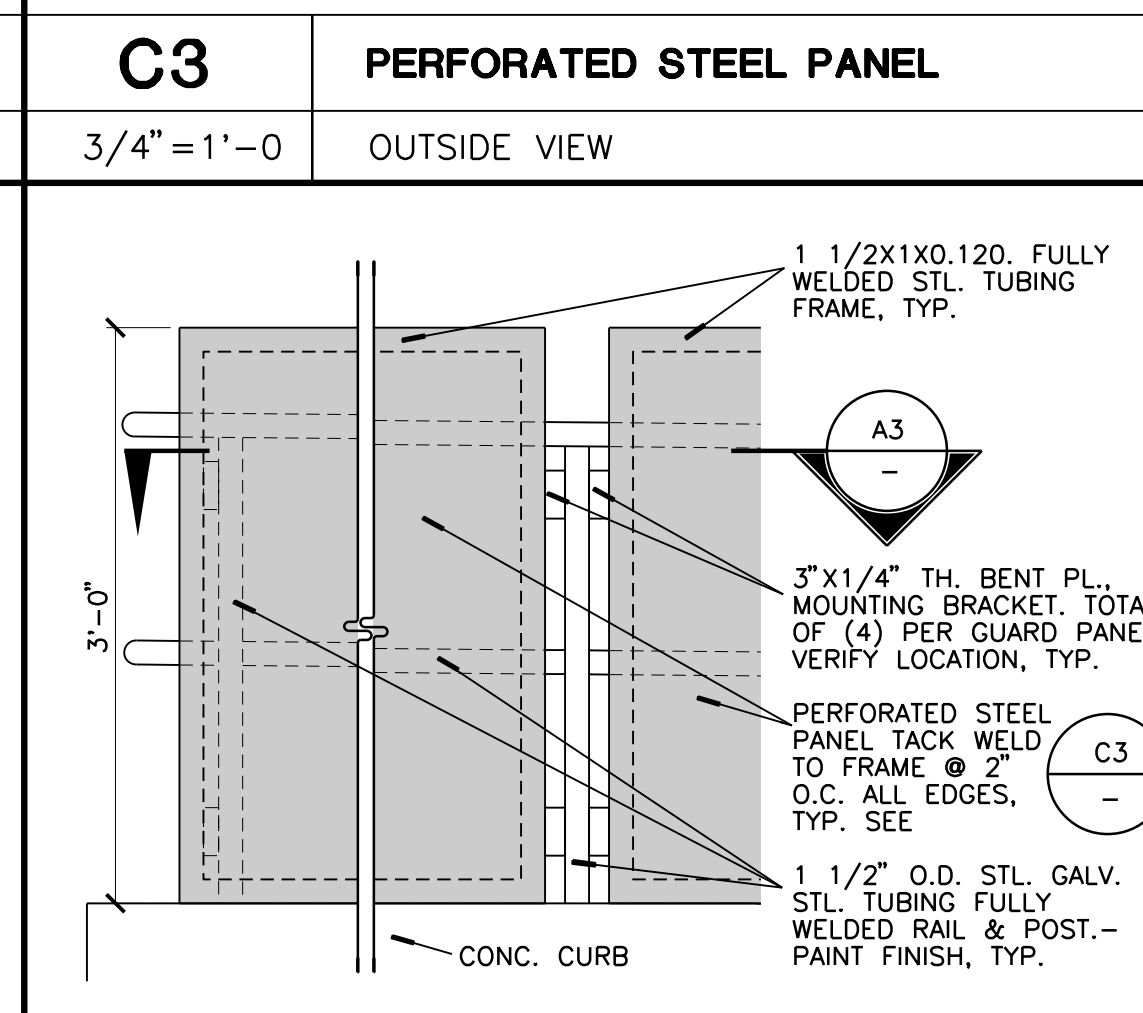
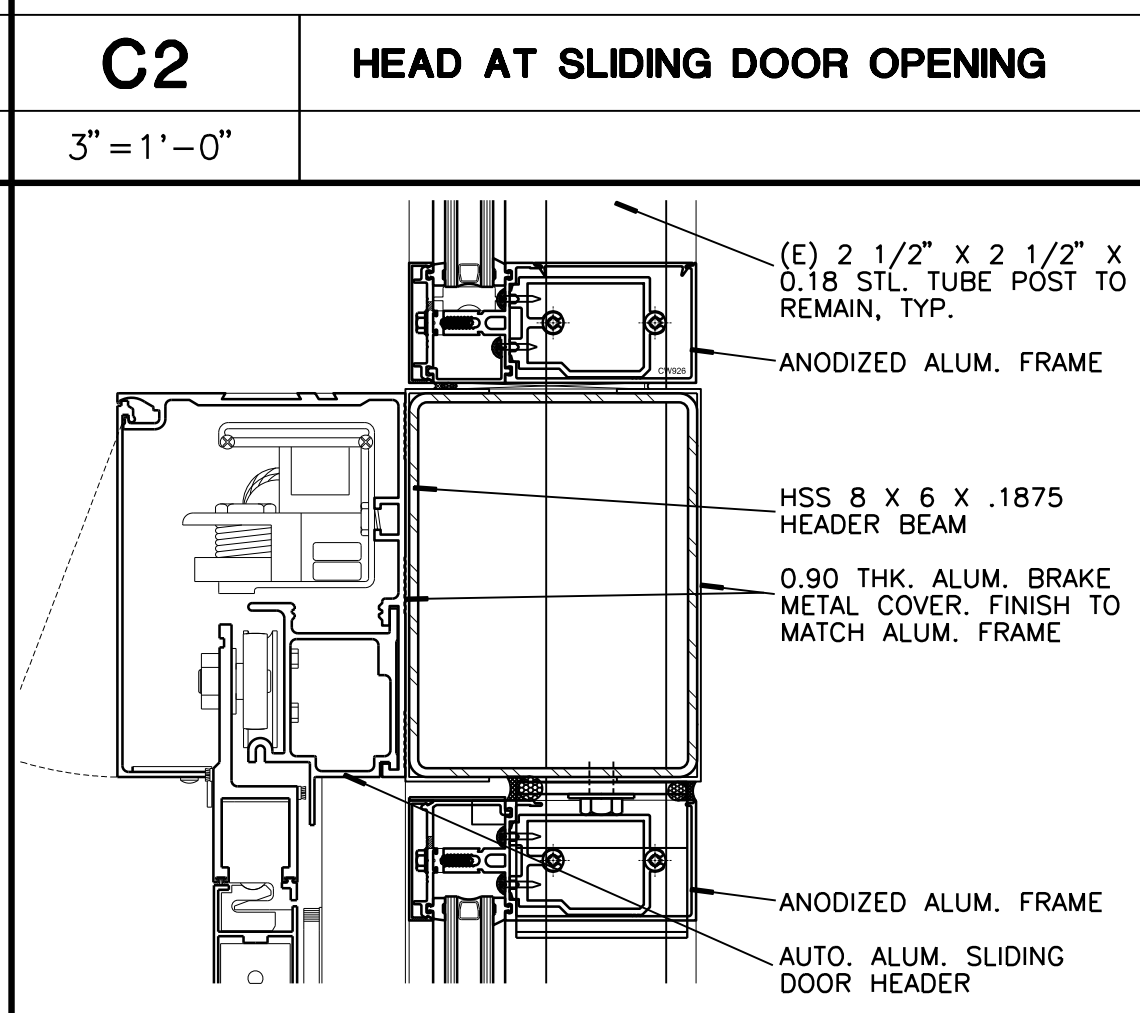
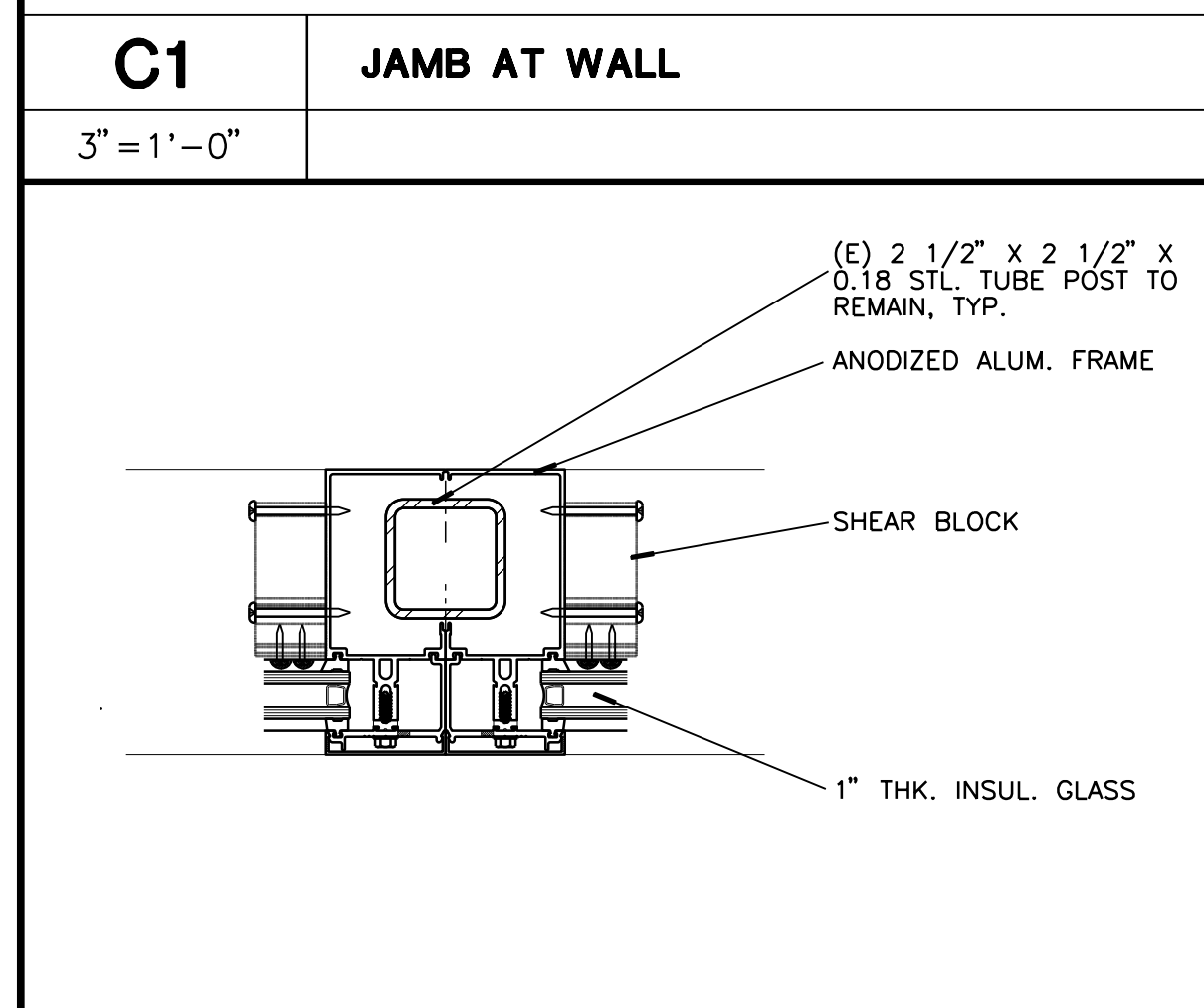
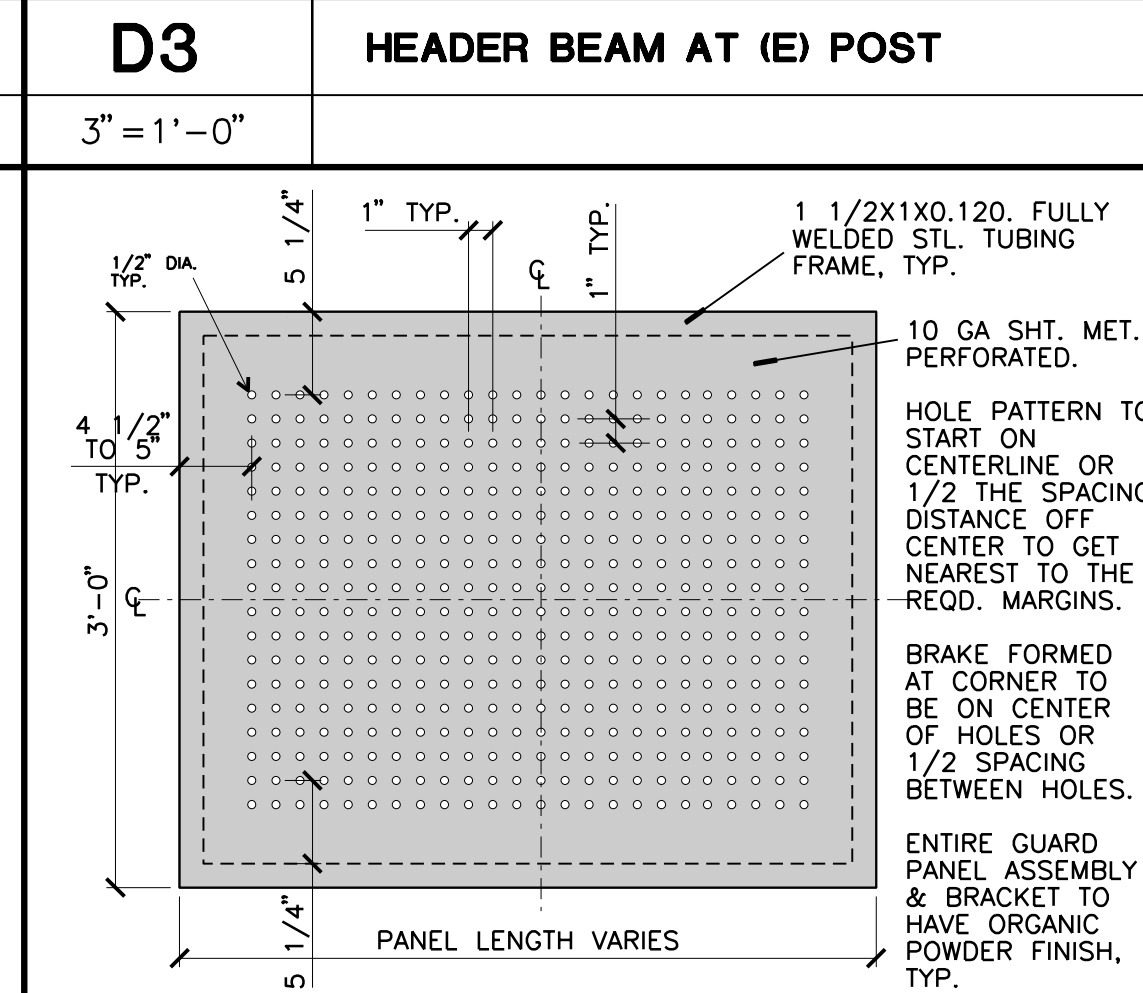
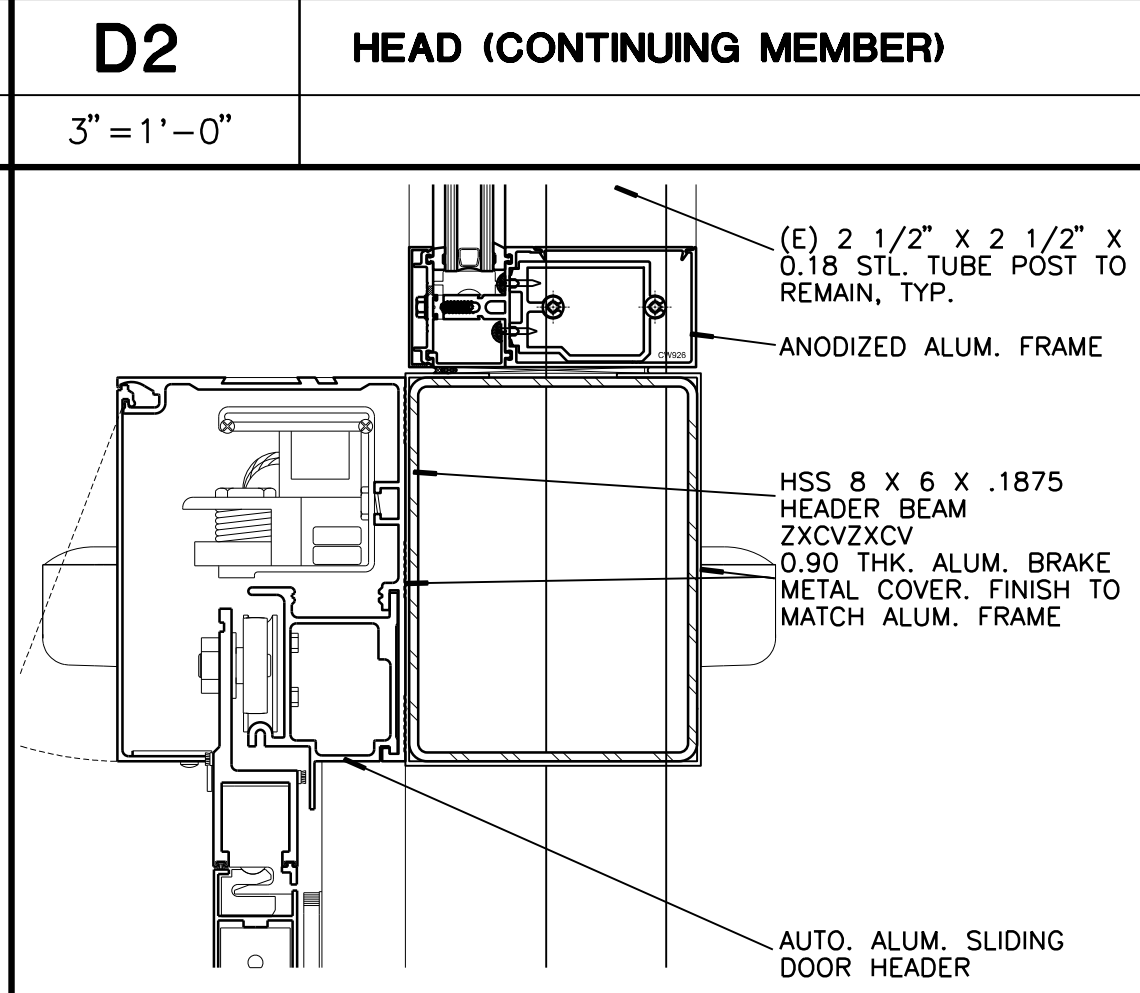
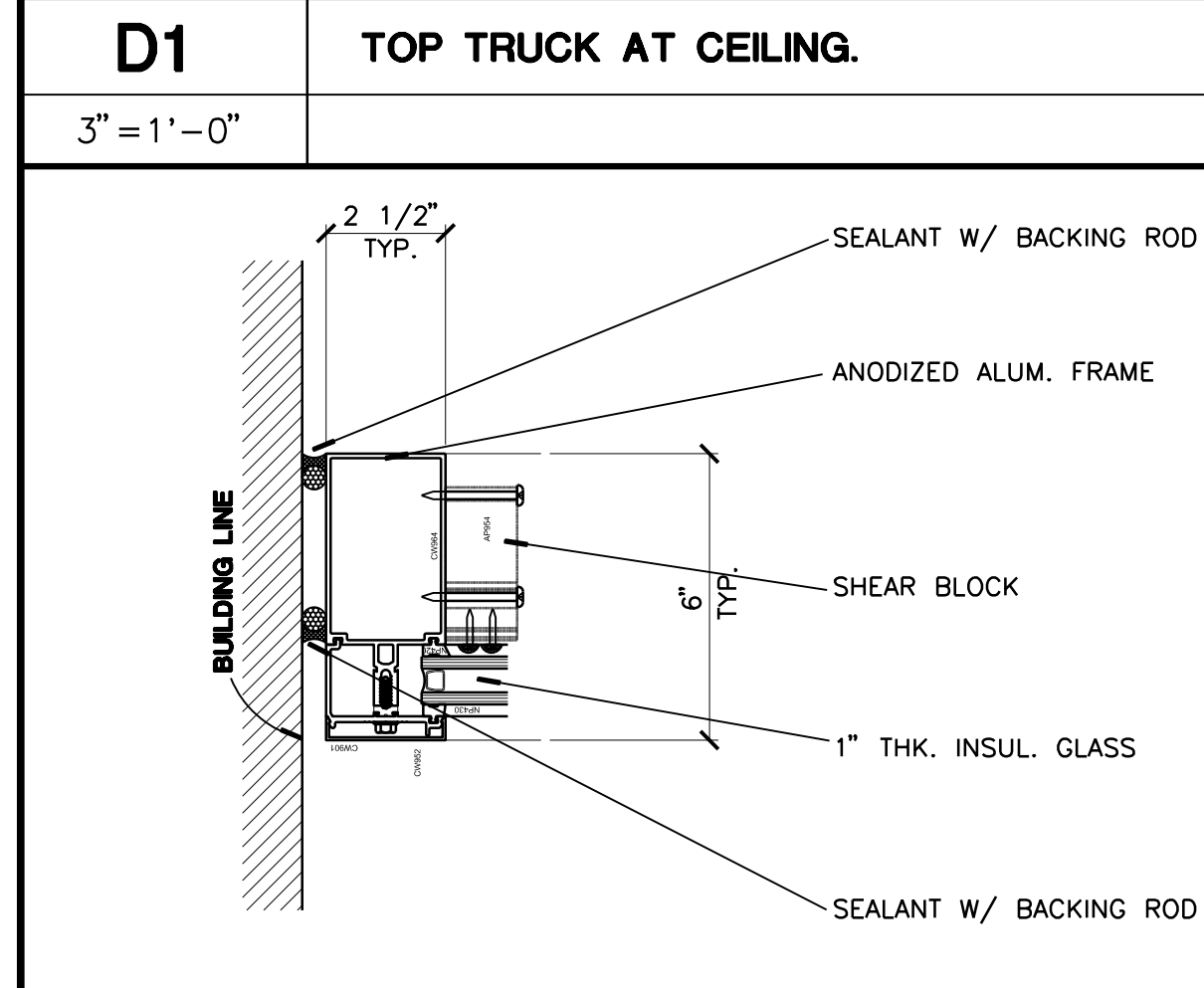
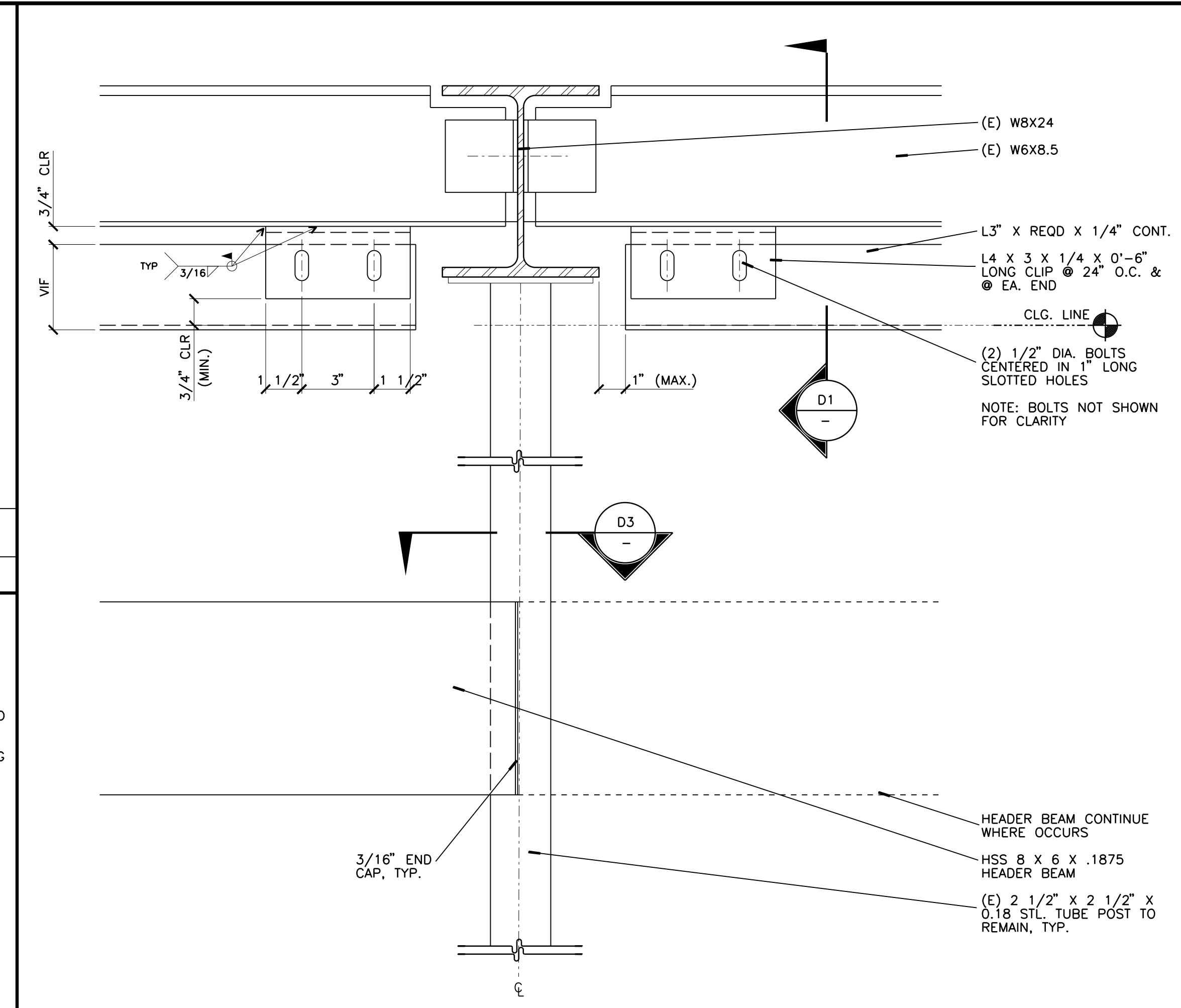
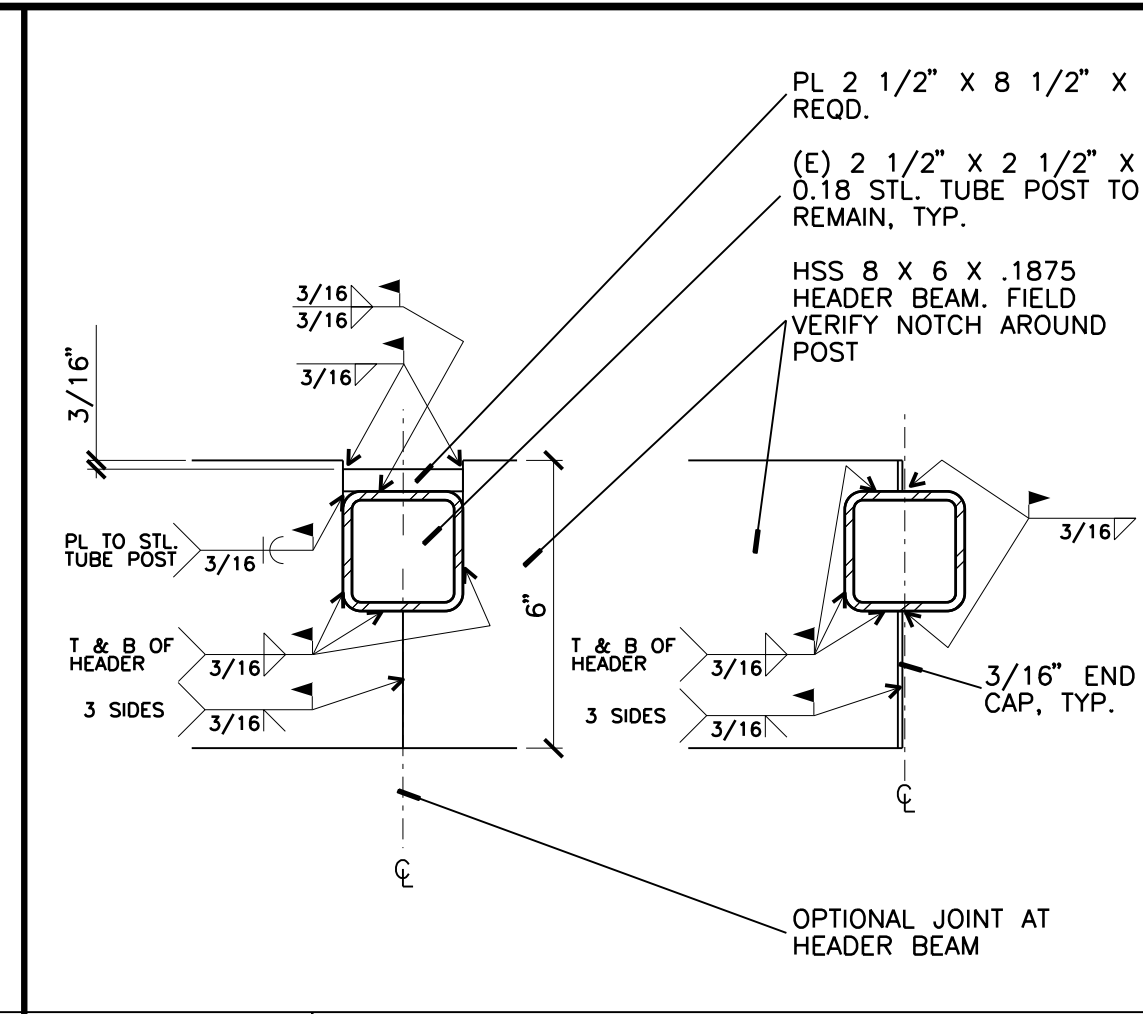
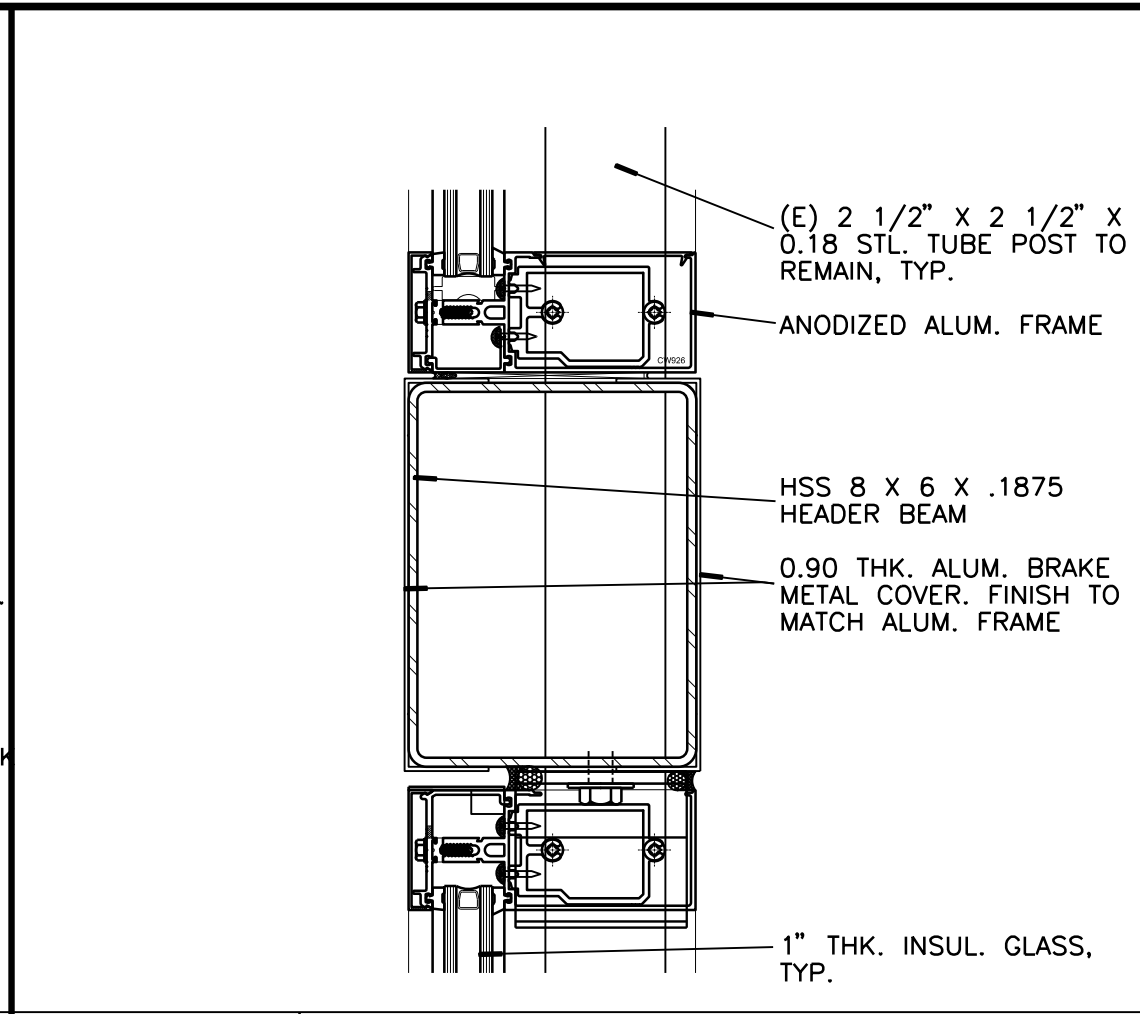
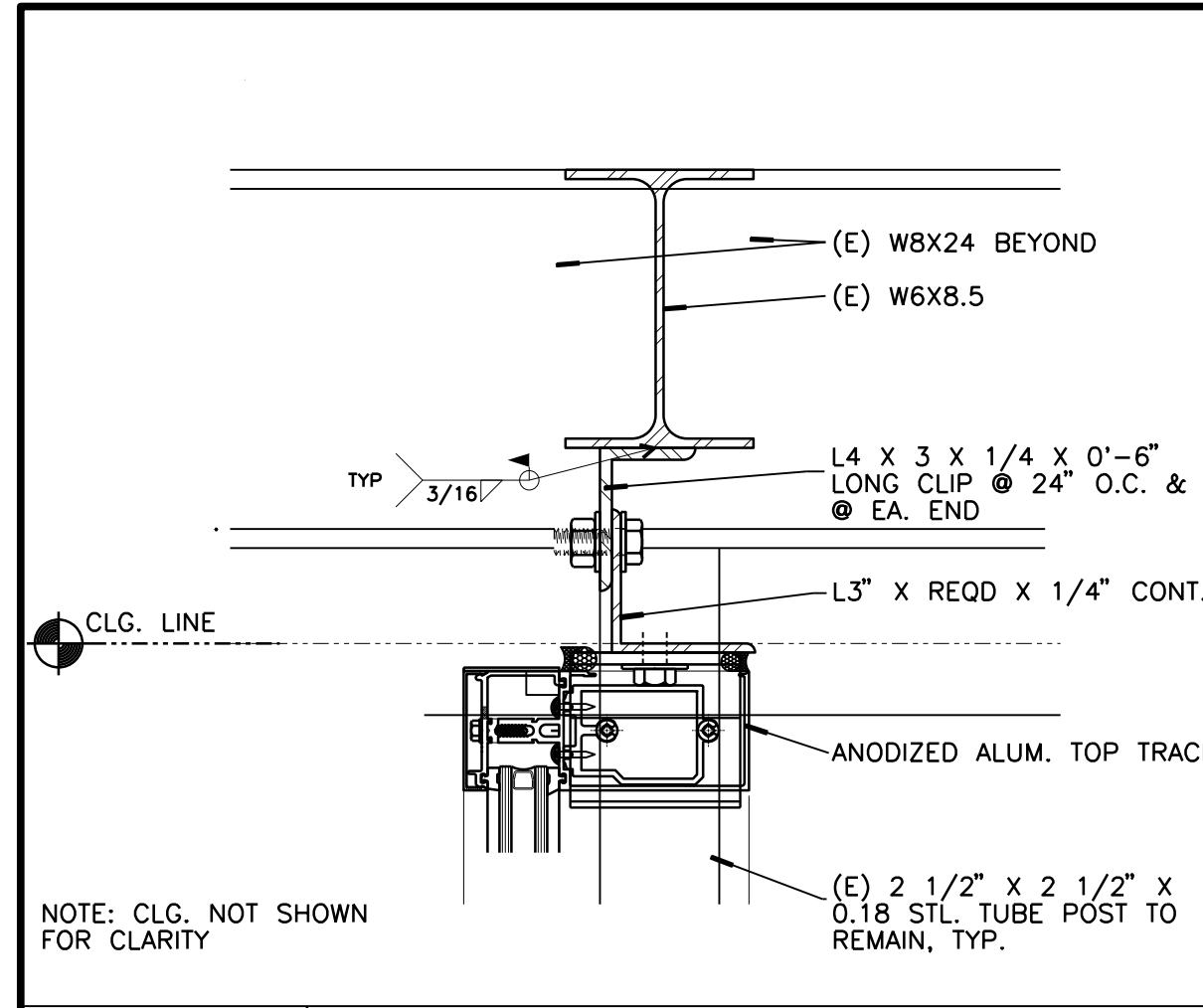
31920DP

REVISIONS		
REV #	DESCRIPTION	DATE

Consultants Data:

Project Title	UCR DMFI PROJECTS 2019 PHYSICS 2000 RENEWAL	
UCR project manager	SCOTT DONNEL	
Scale	AS NOTED	sd approval
Drawn by	J.D.	jd approval
Checked by	S.C.	sc approval
UCR project no.	957443	08/28/20
iso number		release

Drawing Name	SECTION & DETAILS	Sheet No.	A-018
			OF



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31929DPR

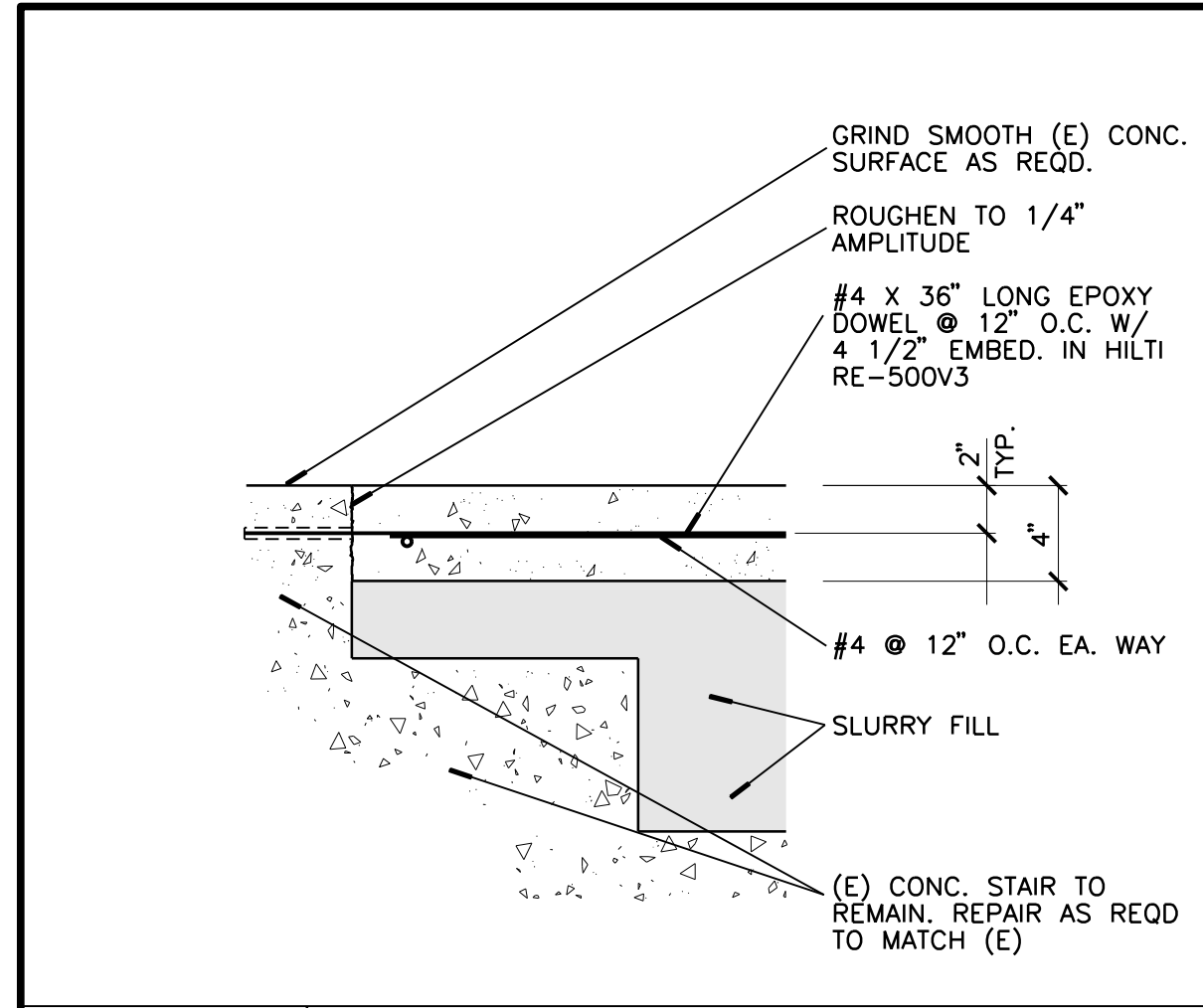
REVISIONS		
REV #	DESCRIPTION	DATE

Consultants Data:
 Project Title
UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL

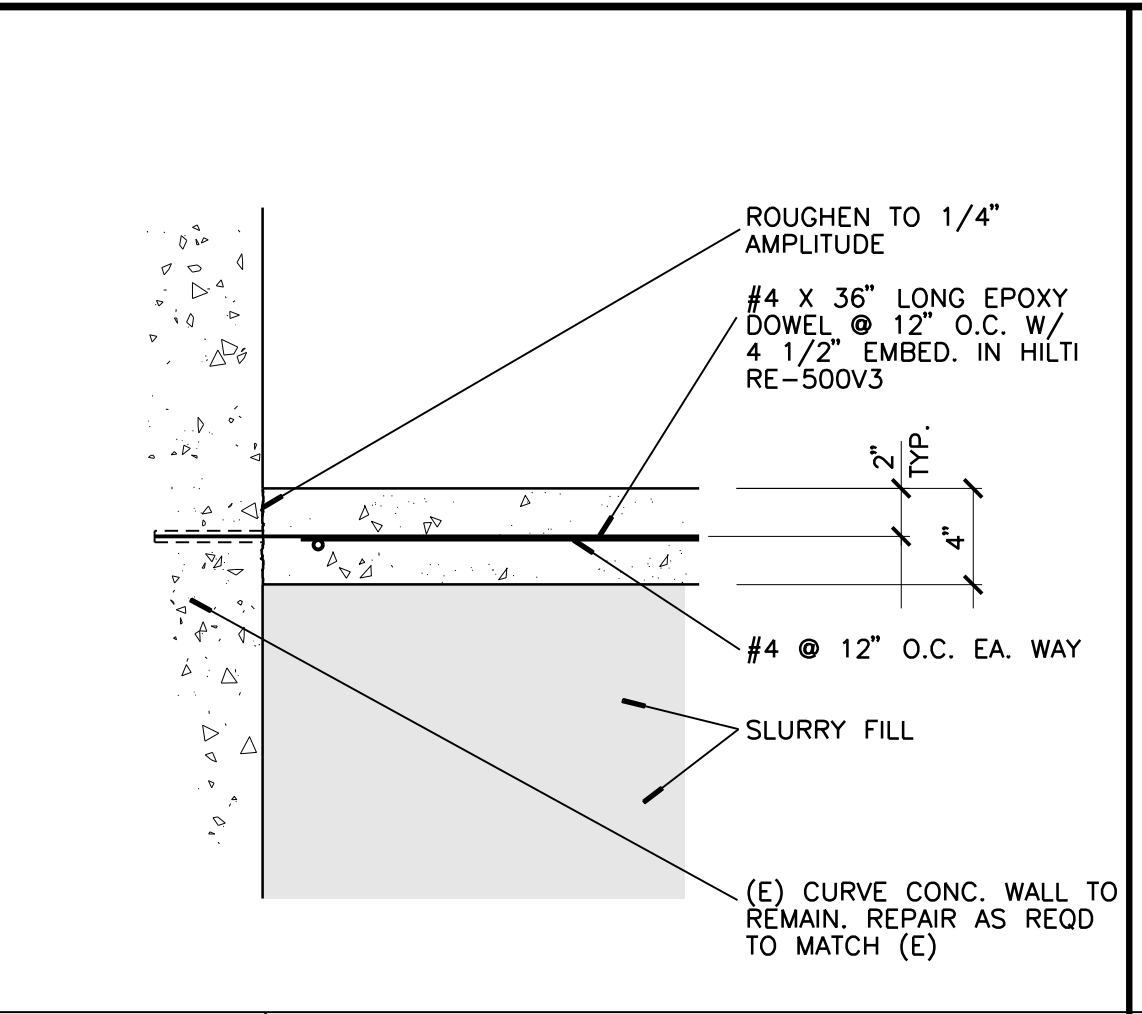
UCR project manager
SCOTT DONNEL

Scale	AS NOTED	sd approval
Drawn by	J.D.	sd approval
Checked by	S.C.	cd approval
UCR project no.	957443	08/28/20
iso number		construction release

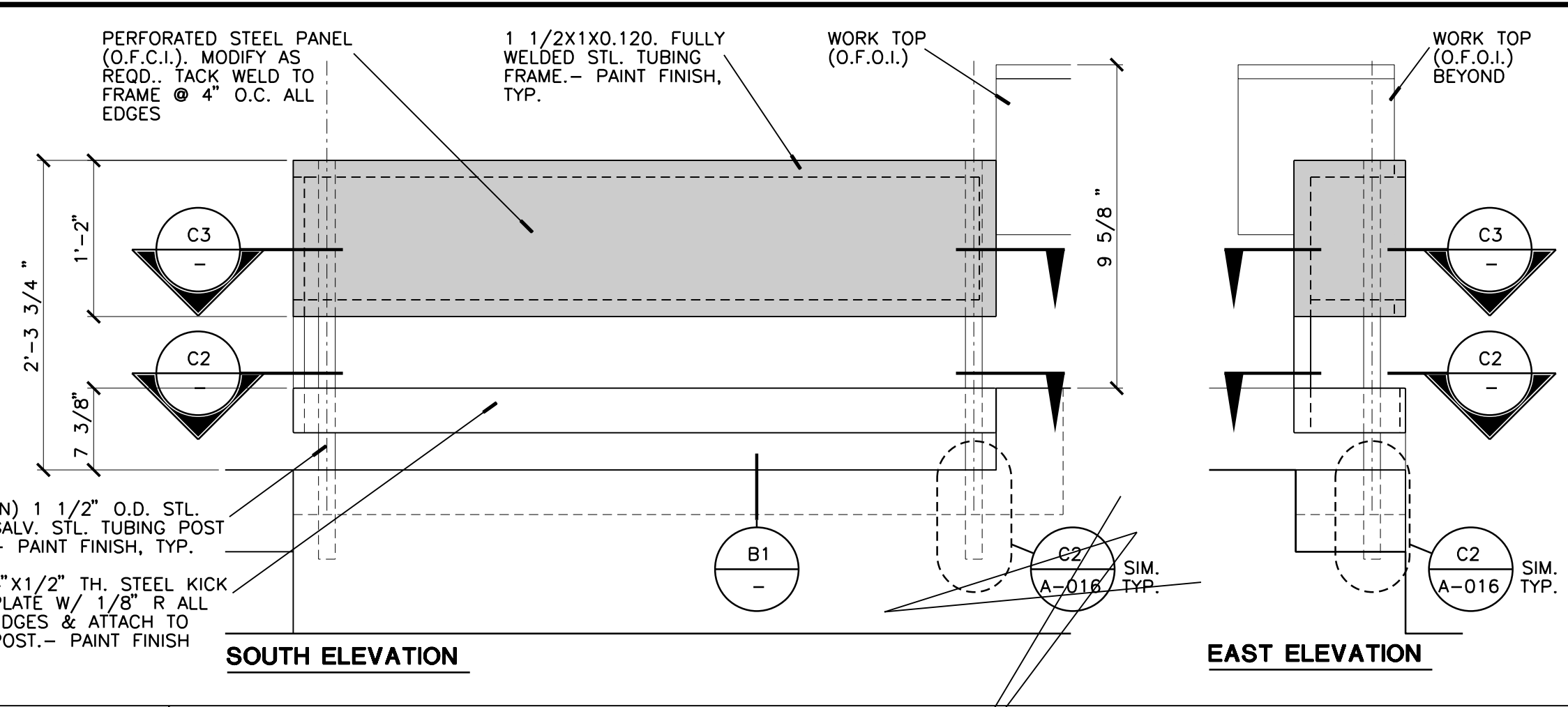
Drawing Name	Sheet No.
DETAILS	A-019
	OF



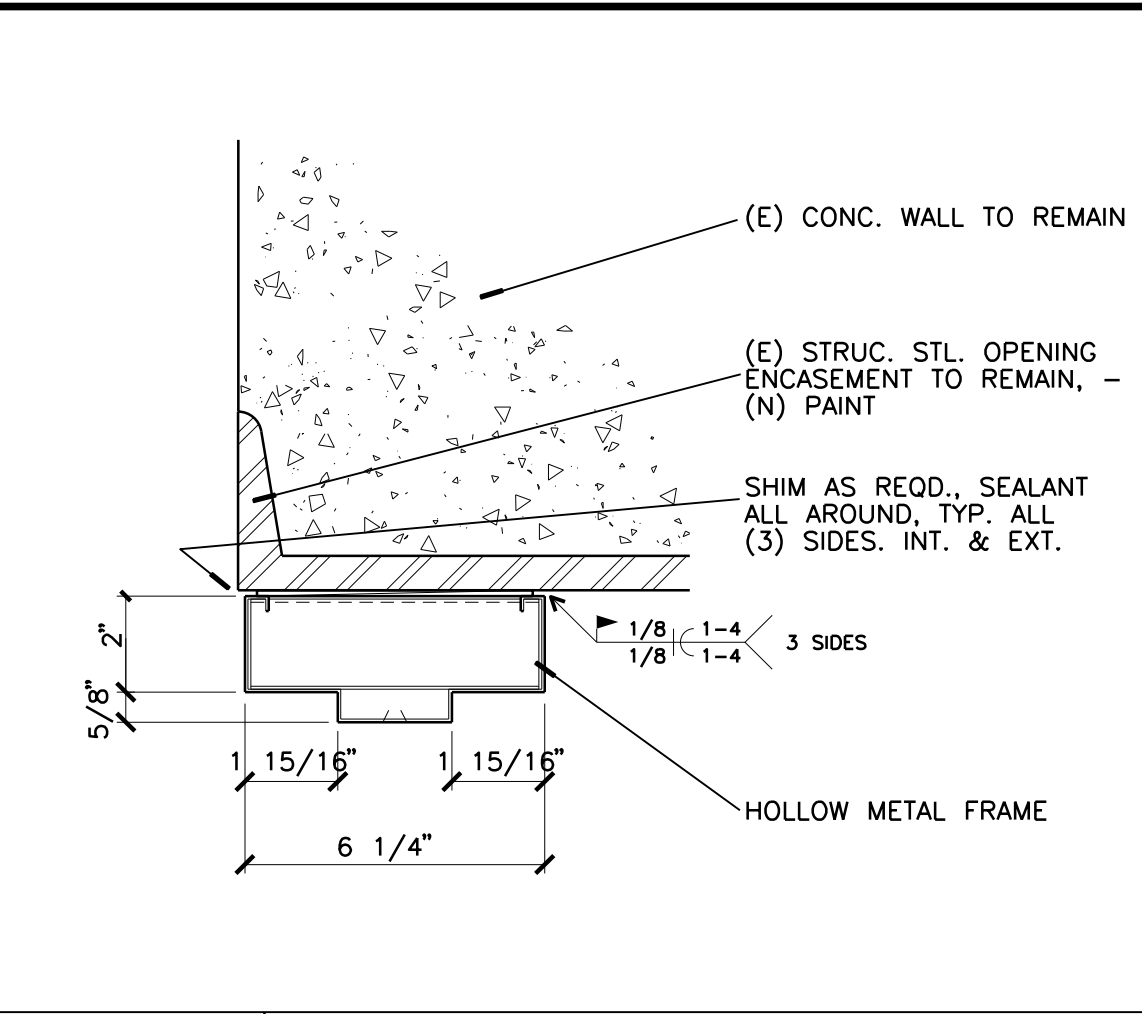
D1 INTERIOR CONC. SLAB
1 1/2" = 1'-0"



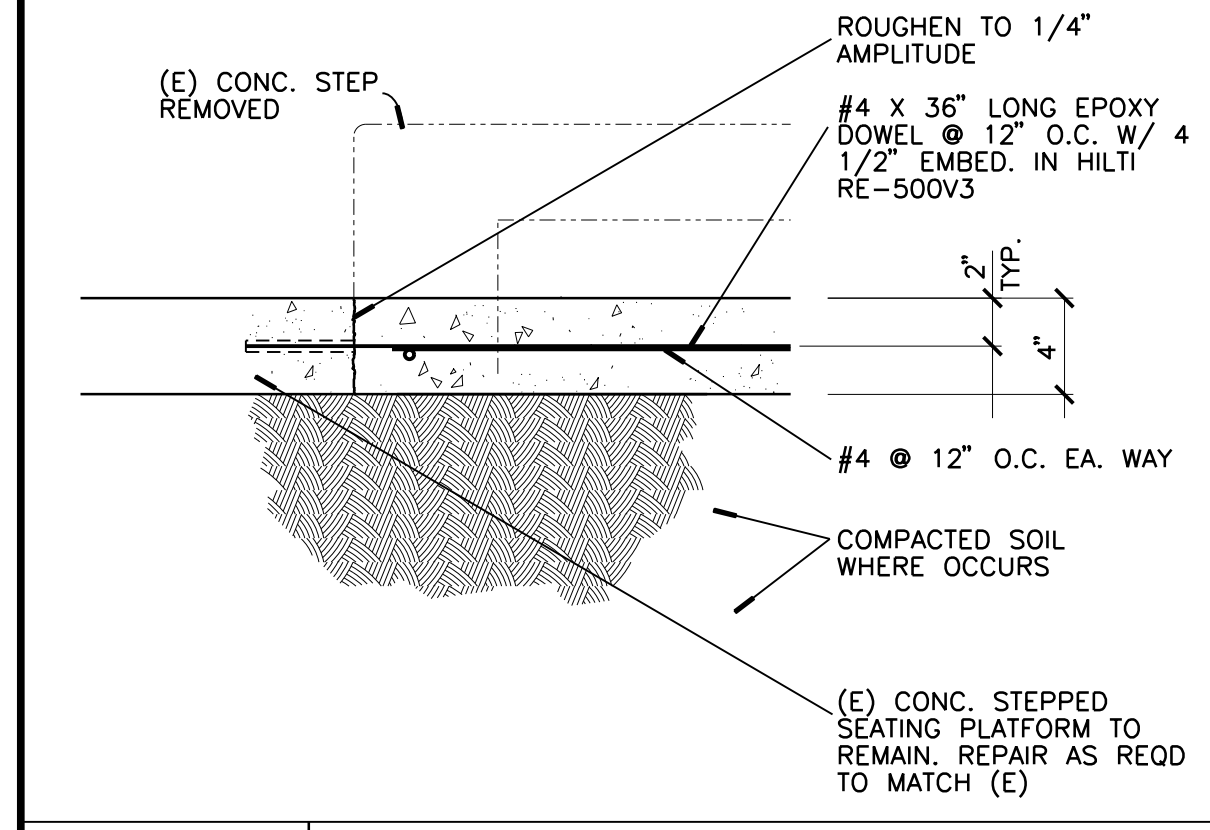
D2 INTERIOR CONC. SLAB
1 1/2" = 1'-0"



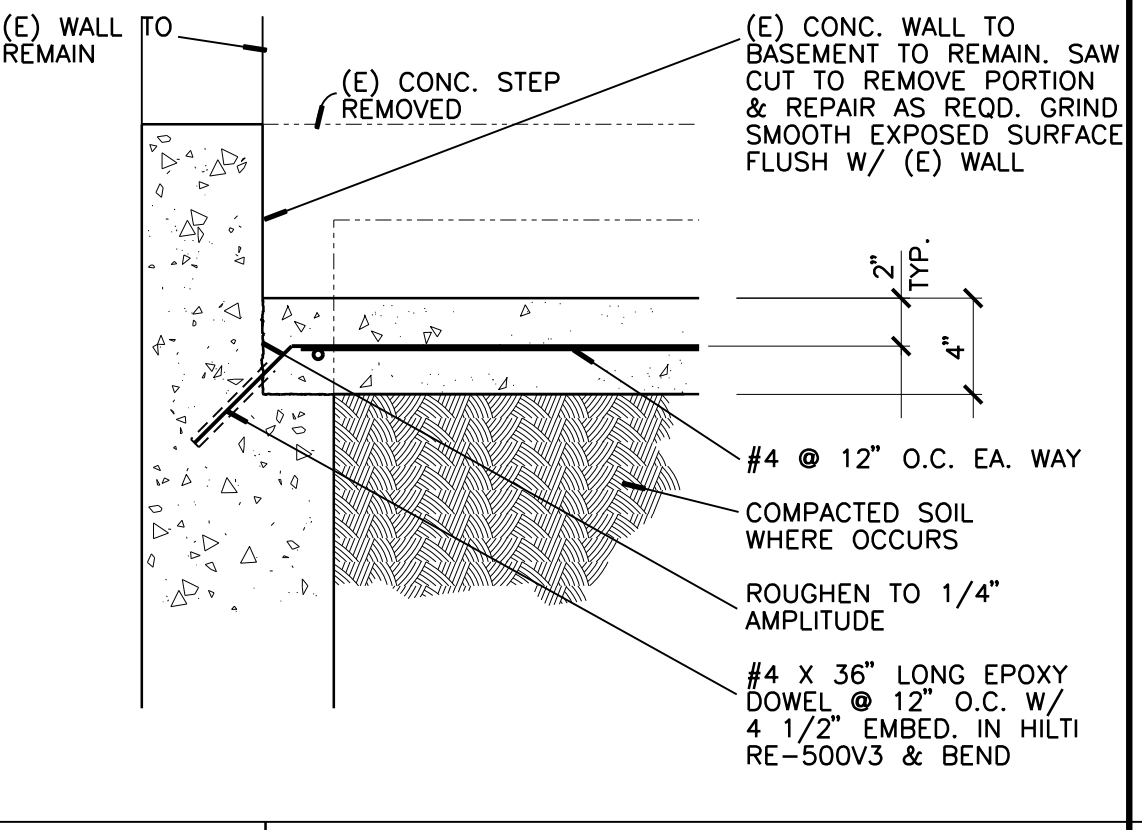
D3 ACCESSIBLE SPACE RAILING & MODESTY PANEL
3/4" = 1'-0" FRONT & SIDE VIEW



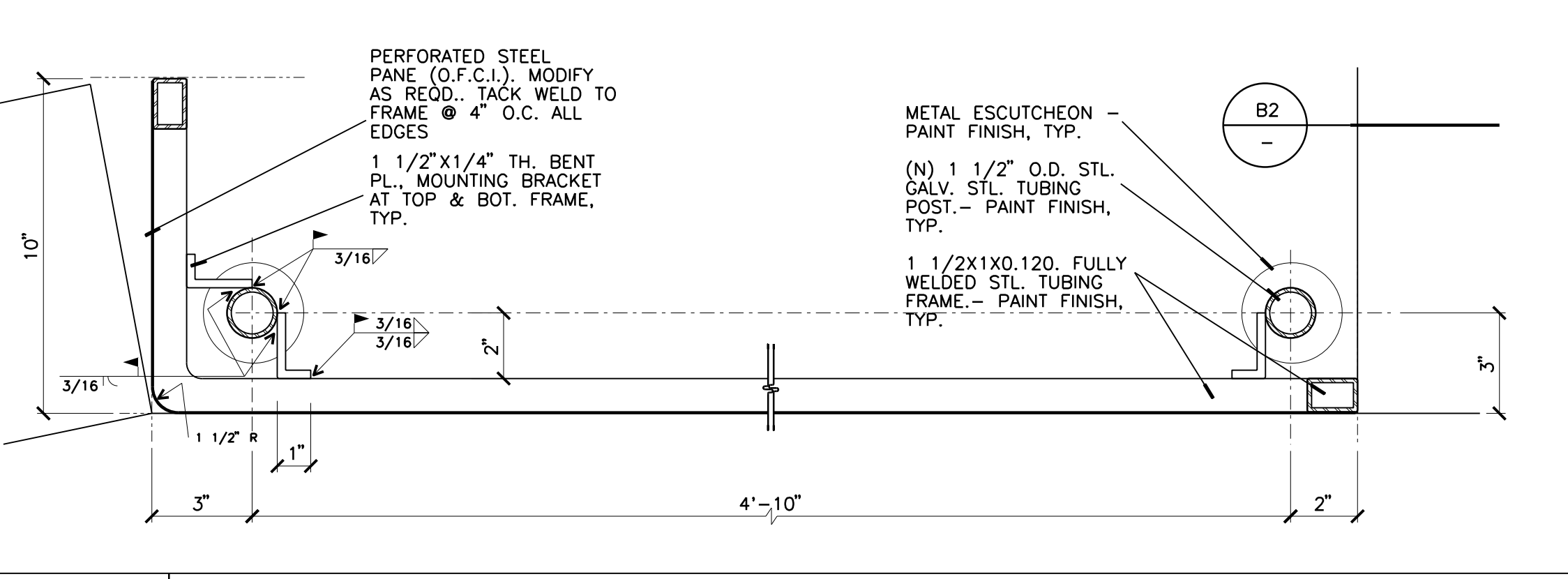
D5 HEAD - JAMB SIMILAR
3" = 1'-0"



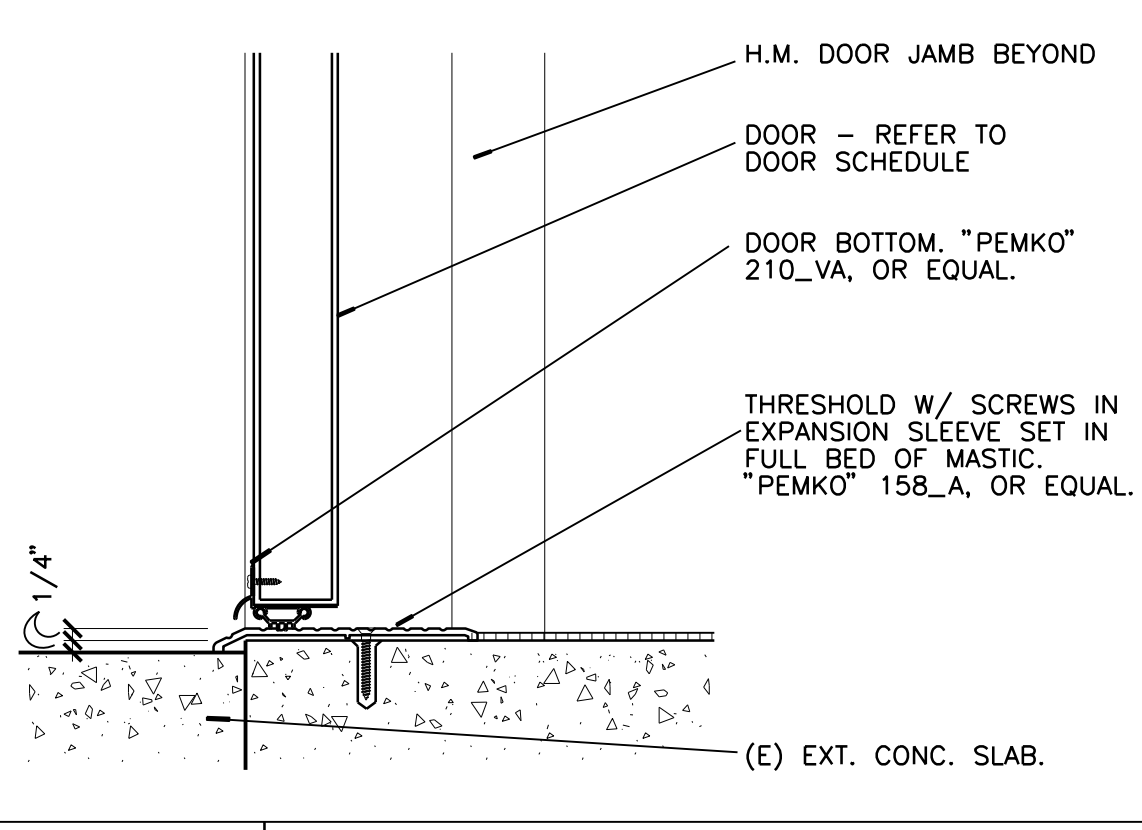
C1 INTERIOR CONC. SLAB
1 1/2" = 1'-0"



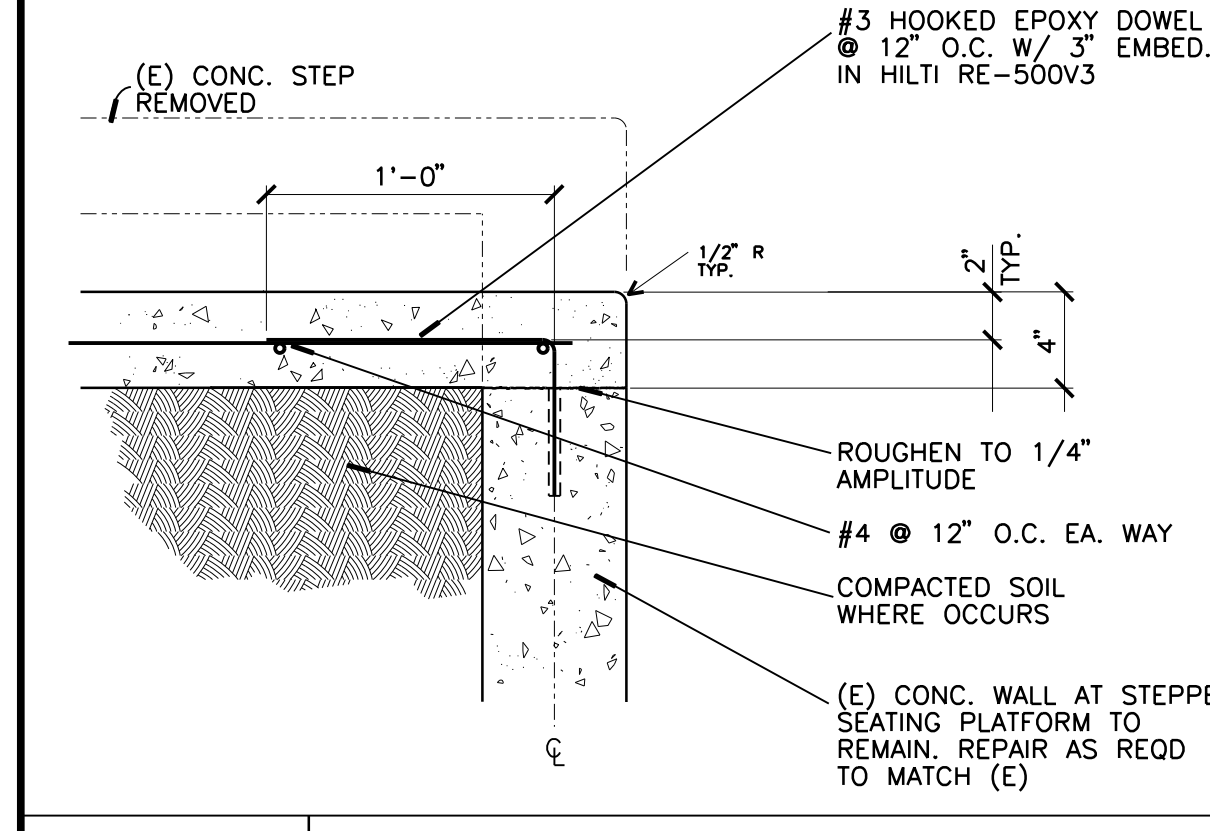
C2 INTERIOR CONC. SLAB
1 1/2" = 1'-0"



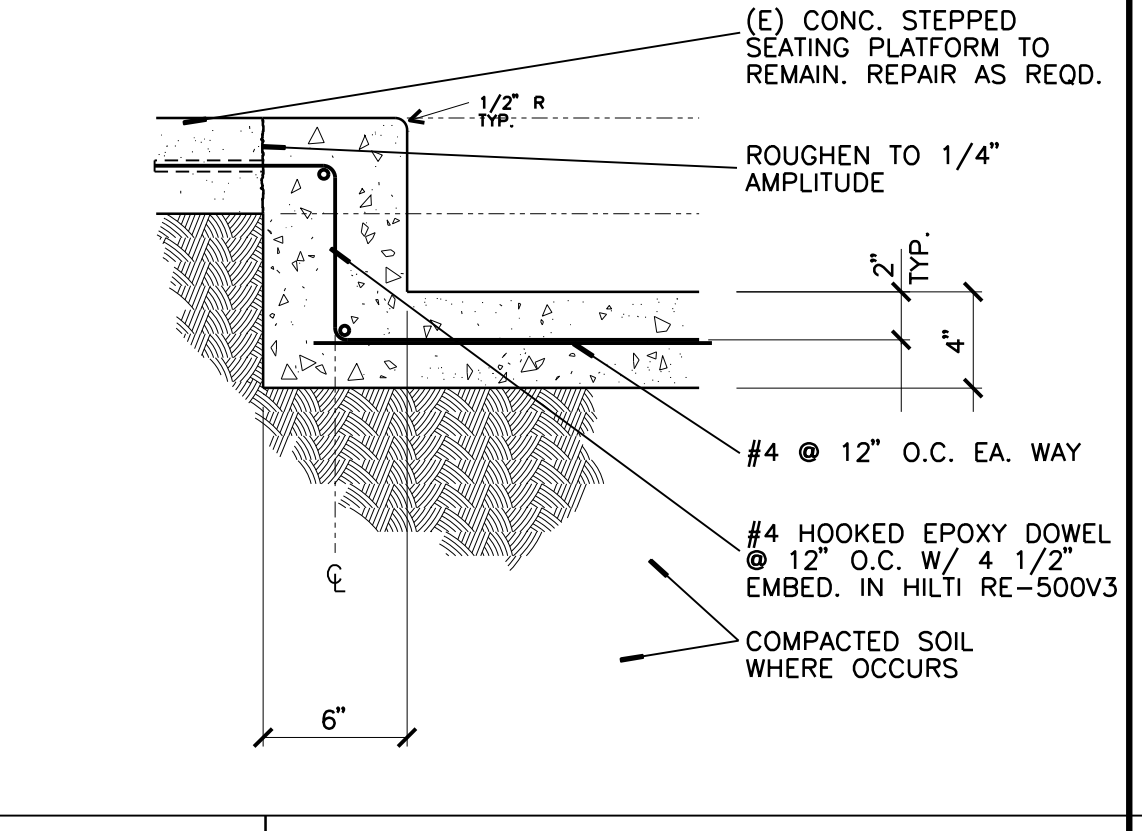
C3 ACCESSIBLE SPACE RAILING & MODESTY PANEL
3" = 1'-0" HORIZONTAL SECTION



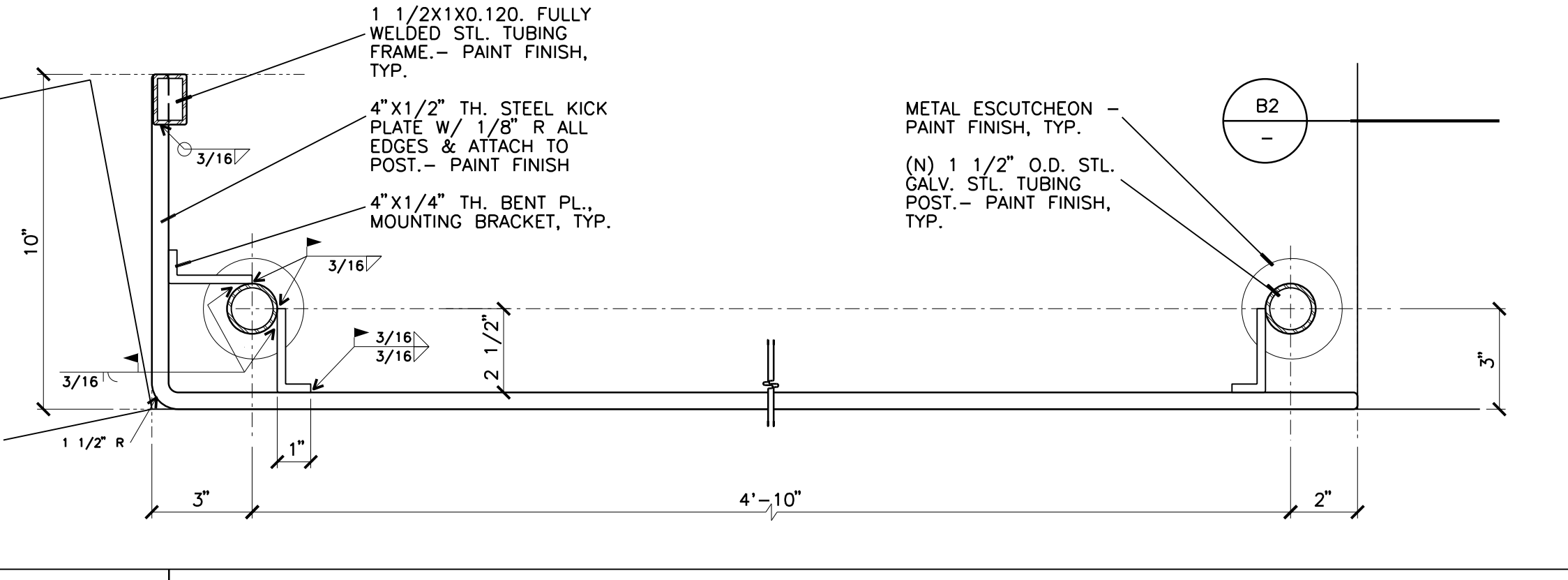
C5 THRESHOLD - EXTERIOR
3" = 1'-0"



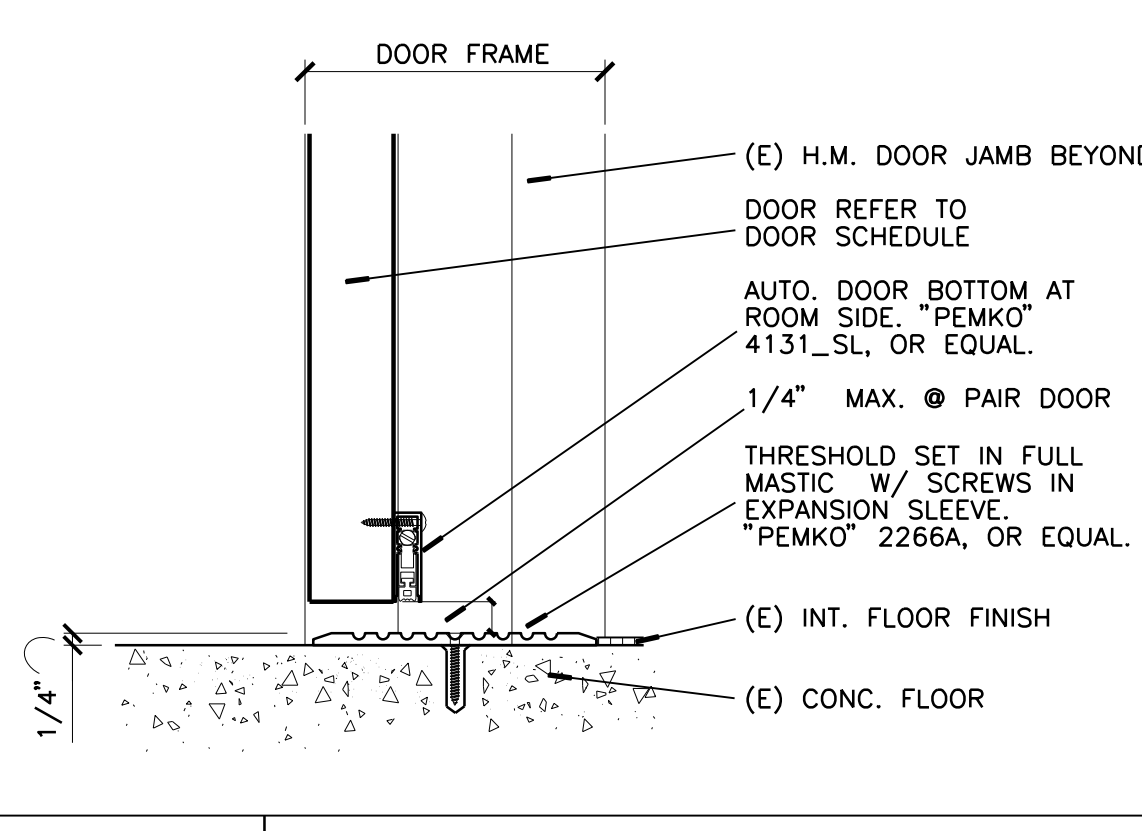
B1 INTERIOR CONC. SLAB
1 1/2" = 1'-0"



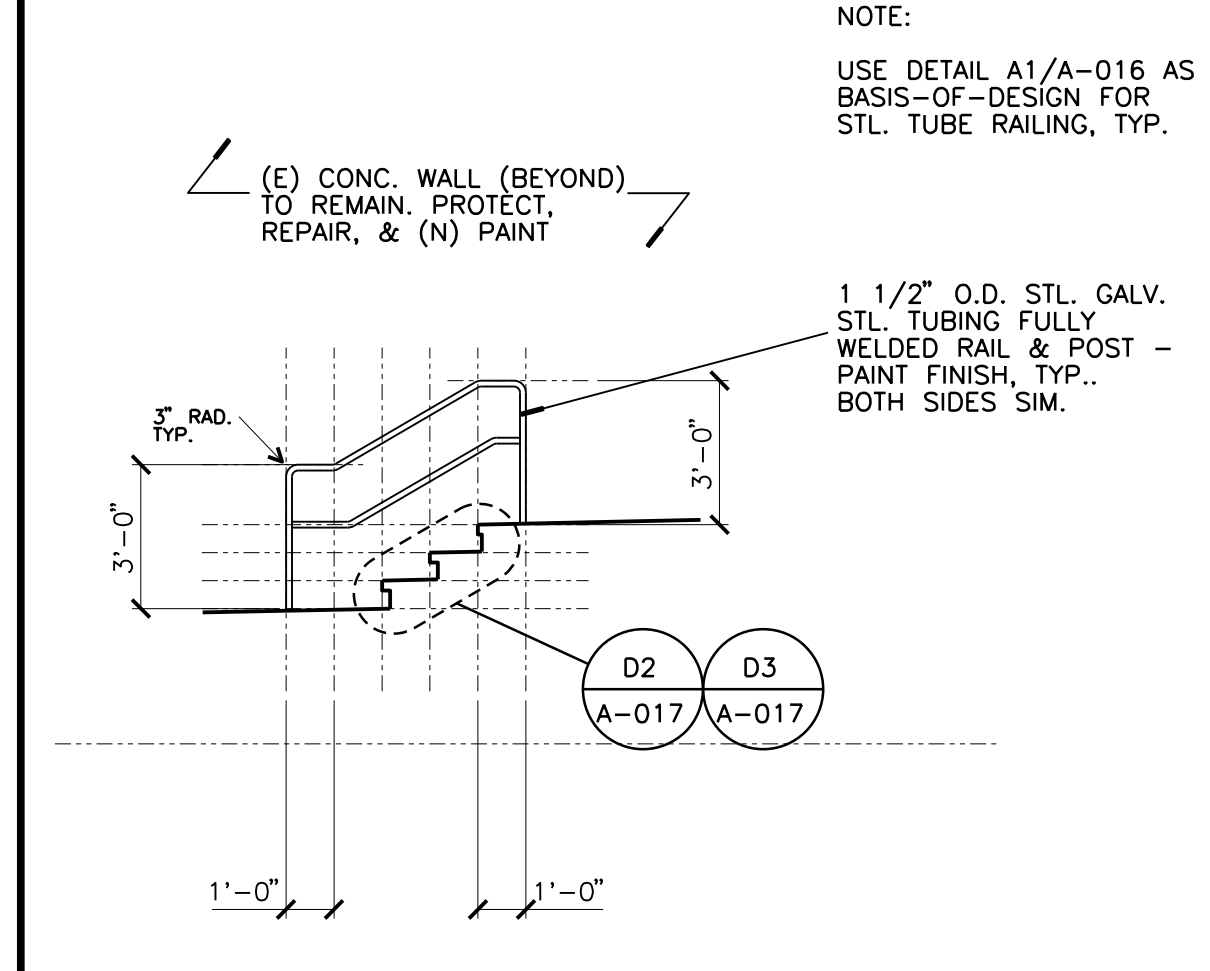
B2 INTERIOR CONC. SLAB
1 1/2" = 1'-0"



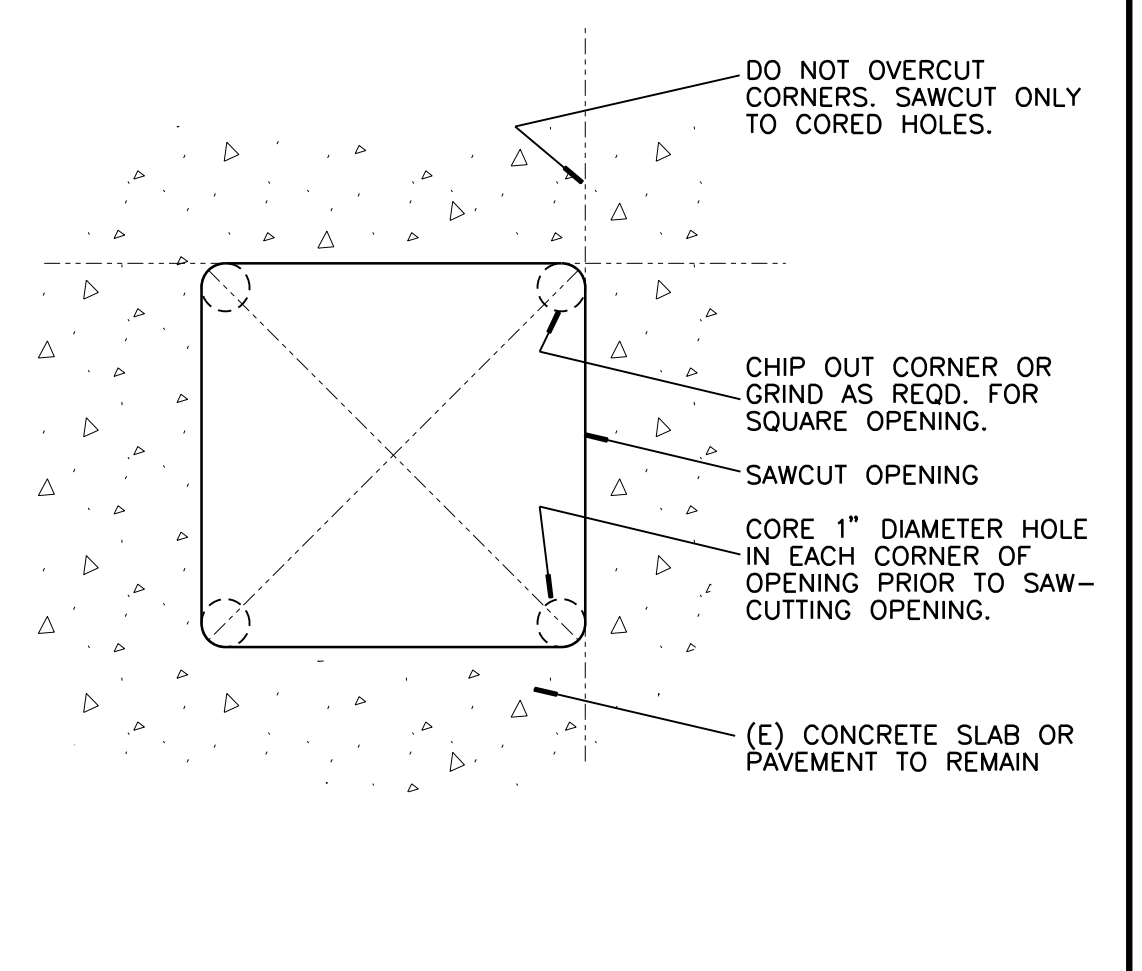
B3 ACCESSIBLE SPACE RAILING & MODESTY PANEL
3" = 1'-0" HORIZONTAL SECTION



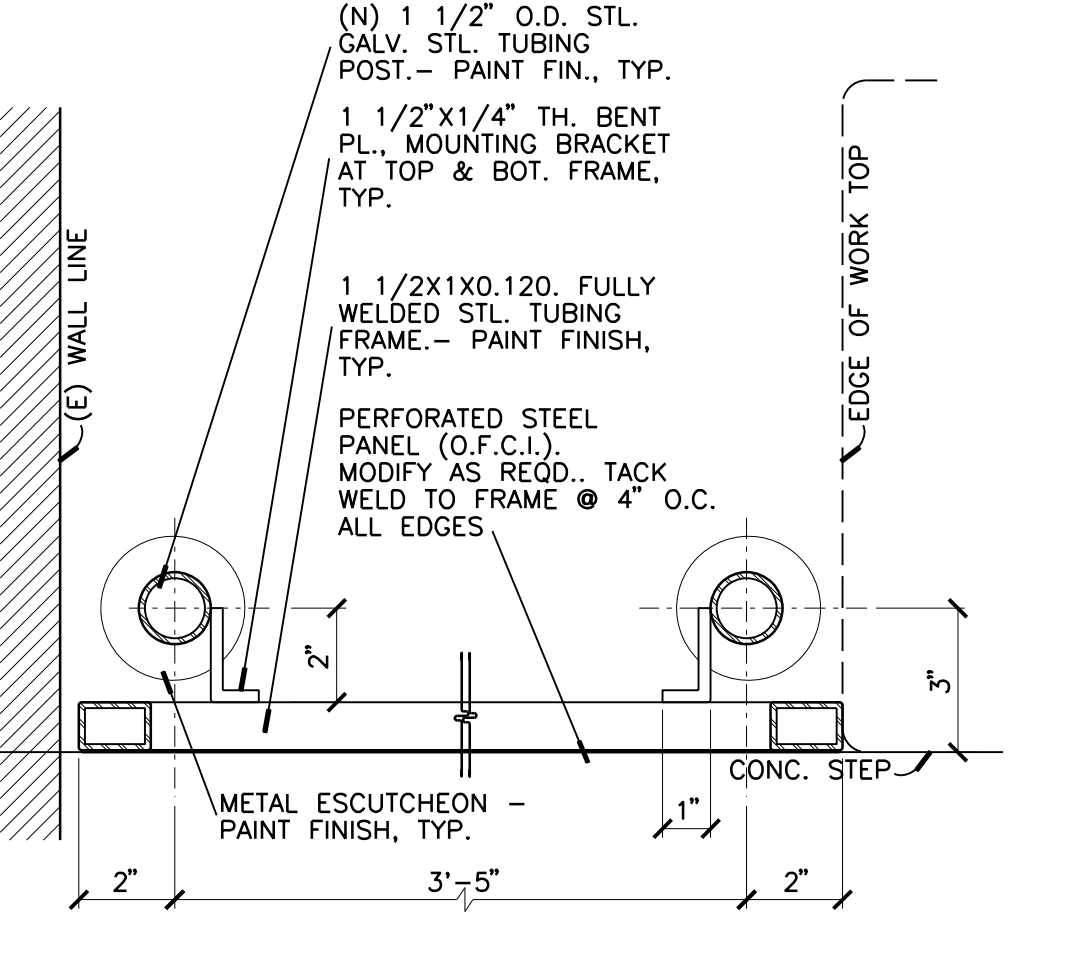
B5 THRESHOLD - INTERIOR/EXTERIOR
3" = 1'-0"



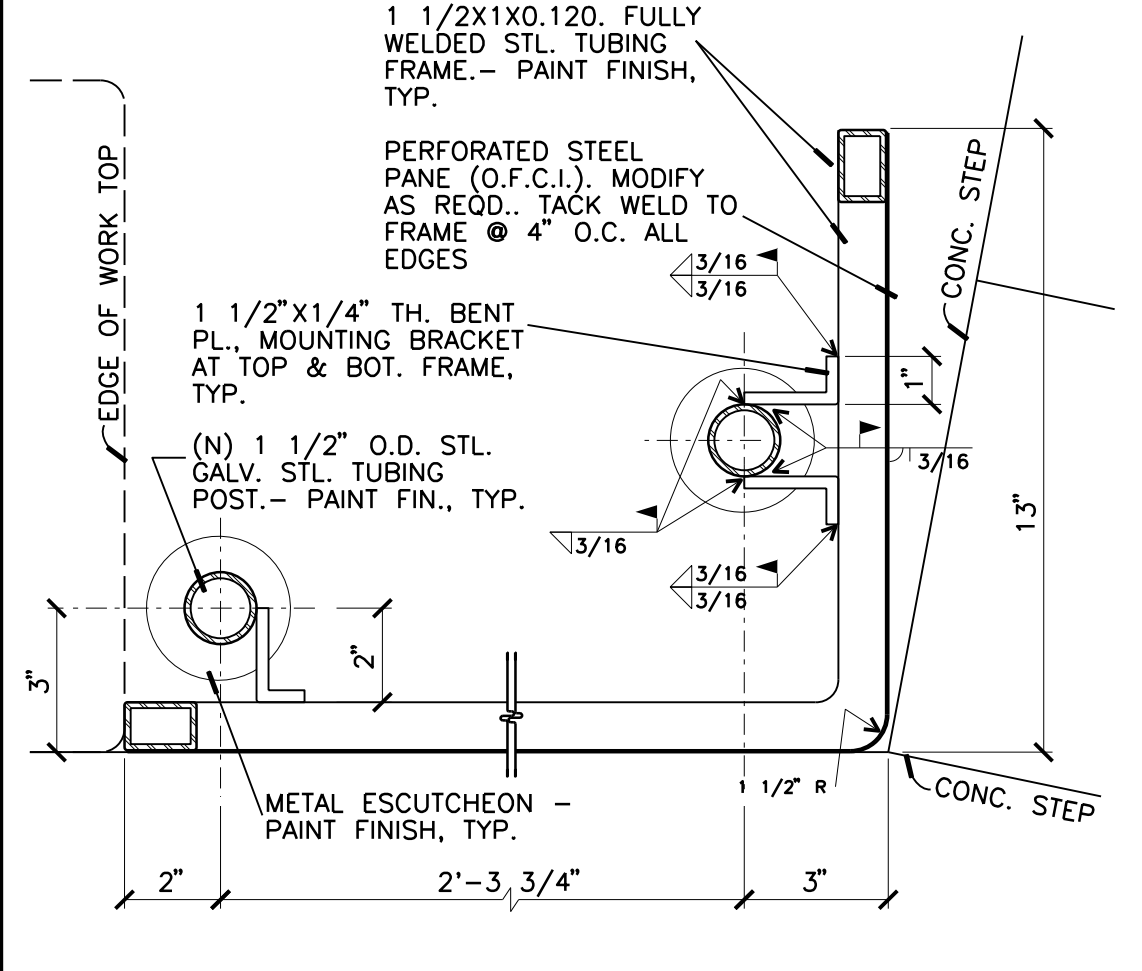
A1 EXTERIOR ELEVATION
1/4" = 1'-0"



A2 SAW CUT (E) CONC. - TYPICAL
NONE



A3 RAILING & MODESTY PANEL
3" = 1'-0" HORIZONTAL SECTION



A4 RAILING & MODESTY PANEL
3" = 1'-0" HORIZONTAL SECTION



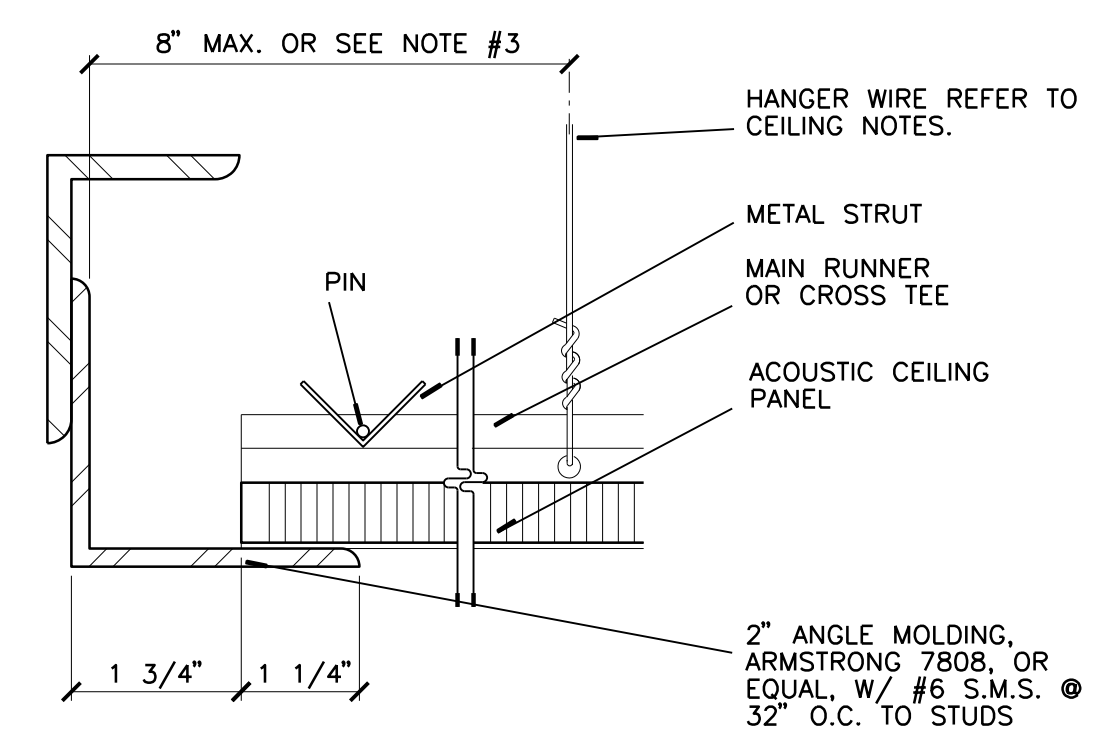
A5 (NOT USED)

THE FOLLOWING NOTES APPLY TO CEILING SYSTEMS WHOSE TOTAL WEIGHT INCLUDING CEILING MOUNTED AIR TERMINALS, SERVICES AND LIGHT FIXTURES DOES NOT EXCEED FOUR (4) PSF.

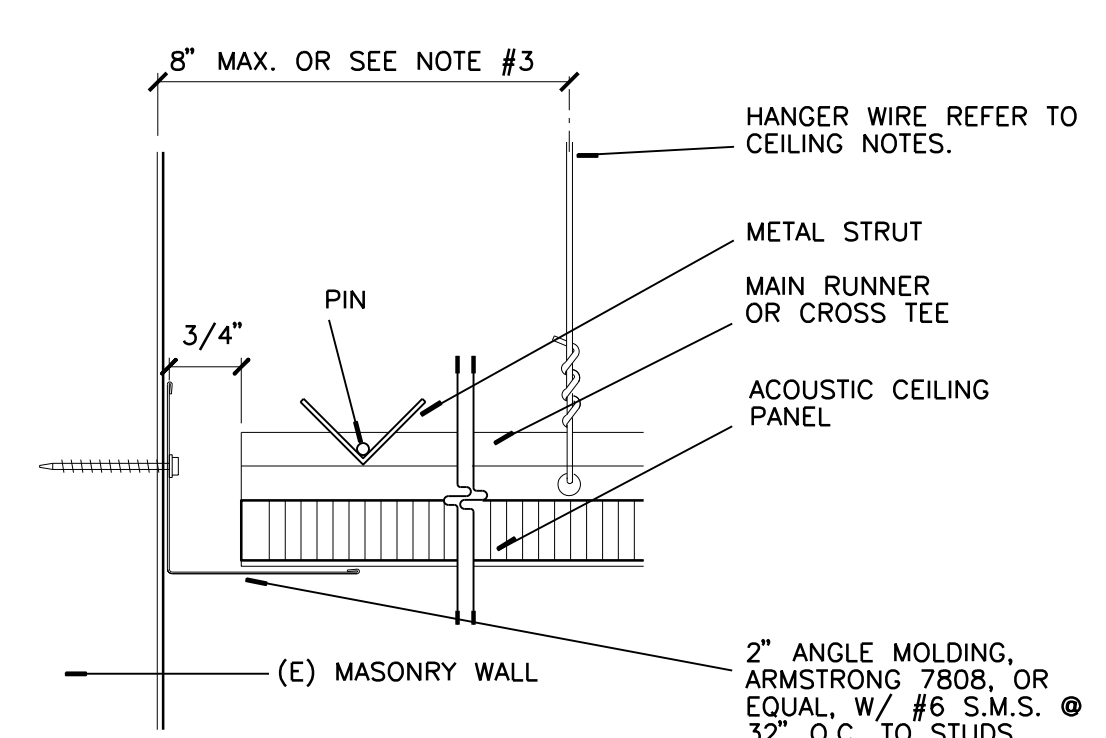
- NO. 12 GAUGE WIRE SHALL BE 0.106 INCHES IN DIAMETER CONFORMING TO ASTM A641. NO. 12 GAUGE WIRE SHALL BE SOFT ANNEALED, GALVANIZED STEEL WIRE WITH A CLASS 1 COATING.
- NO. 12 GAUGE (MIN.) HANGER WIRES MAY BE USED FOR UP TO AND INCLUDING 4 FEET BY 4 FEET GRID SPACING AND SHALL BE ATTACHED TO MAIN RUNNERS.
- PROVIDE NO. 12 GAUGE HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN EIGHT (8) INCHES OF THE SUPPORT OR WITHIN ONE-FOURTH (1/4) OF THE LENGTH OF THE END TEE, WHICHEVER IS LEAST. FOR THE PERIMETER OF THE CEILING AREA, PERIMETER WIRES ARE NOT REQUIRED WHEN THE LENGTH OF THE END TEE IS EIGHT (8) INCHES OR LESS.
- PROVIDE TRAPEZOIDAL OR OTHER SUPPLEMENTARY SUPPORT MEMBERS AT OBSTRUCTIONS TO TYPICAL HANGER SPACING. PROVIDE ADDITIONAL HANGERS, STRUTS OR BRACES AS REQUIRED AT ALL CEILING BREAKS, SOFFITS, OR DISCONTINUOUS AREAS. HANGER WIRES THAT ARE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB ARE TO HAVE COUNTER-SLOPING WIRES.
- CEILING GRID MEMBERS SHALL BE ATTACHED TO NOT MORE THAN TWO (2) ADJACENT WALLS. CEILING GRID MEMBERS SHOULD BE AT LEAST 3/4 INCH FREE OF OTHER WALLS. IF WALLS RUN DIAGONALLY TO CEILING GRID SYSTEM RUNNERS, ONE END OF MAIN AND CROSS RUNNERS SHOULD BE FREE, AND A MINIMUM OF 3/4 INCH CLEAR OF WALL.
- THE WIDTH OF THE PERIMETER SUPPORTING CLOSURE ANGLE SHALL BE NOT LESS THAN 2 INCHES.
- AT THE PERIMETER OF THE CEILING AREA WHERE MAIN OR CROSS RUNNERS ARE NOT CONNECTED TO THE ADJACENT WALL, PROVIDE INTERCONNECTION BETWEEN THE RUNNERS AT THE FREE END TO PREVENT LATERAL SPREADING. A METAL STRUT OR A NO. 16 GAUGE WIRE WITH A POSITIVE MECHANICAL CONNECTION TO THE RUNNER MAY BE USED. WHERE THE PERPENDICULAR DISTANCE FROM THE WALL TO THE FIRST PARALLEL RUNNER IS 12 INCHES OR LESS, THIS INTERLOCK IS NOT REQUIRED.
- EXPANSION JOINTS SHALL BE PROVIDED IN THE CEILING AT INTERSECTIONS OF CORRIDORS AND AT JUNCTIONS OF CORRIDORS WITH LOBBIES OR OTHER SIMILAR AREAS.
- PROVIDE LATERAL-FORCE BRACING ASSEMBLIES CONSISTING OF A COMPRESSION STRUT AND FOUR (4) NO. 12 GAUGE SPLAYED BRACING WIRES ORIENTED 90 DEGREES FROM EACH OTHER AT THE FOLLOWING SPACING:
 - PLACE SETS OF BRACING WIRES NOT MORE THAN 8 FEET BY 12 FEET ON CENTER.
 - PROVIDE BRACING WIRES AT LOCATIONS NOT MORE THAN ONE HALF (1/2) THE SPACING GIVEN IN (a) ABOVE IN EACH DIRECTION FROM EACH PERIMETER WALL AND AT THE EDGES OF ANY CHANGE IN ELEVATION OF THE CEILING. THE SLOPE OF BRACING WIRES SHALL NOT EXCEED 45 DEGREES FROM THE PLANE OF THE CEILING AND WIRES SHOULD BE TAUT WITHOUT CAUSING THE CEILING TO LIFT. SPLICES IN BRACING WIRES ARE NOT PERMITTED.
- COMPRESSION STRUTS SHALL NOT BE MORE THAN 1 (HORIZONTAL) IN 6 (VERTICAL) OUT OF PLUMB.
- SUSPENDED ACOUSTICAL CEILING SYSTEMS WITH A CEILING AREA OF 144 SQUARE FEET OR LESS, AND FIRE RATED SUSPENDED ACOUSTICAL CEILING SYSTEMS WITH A CEILING AREA OF 96 SQUARE FEET OR LESS, SURROUNDED BY WALLS WHICH CONNECT DIRECTLY TO THE STRUCTURE ABOVE OR WALLS INDEPENDENTLY BRACED ABOVE CEILING TO STRUCTURE ABOVE, DO NOT REQUIRE BRACING ASSEMBLIES WHEN ATTACHED TO TWO ADJACENT WALLS.
- FOR CEILING AREAS EXCEEDING 2500 SQUARE FEET A SEISMIC SEPARATION JOINT SHALL BE PROVIDED TO DIVIDE THE CEILING INTO AREAS NOT EXCEEDING 2500 SQUARE FEET. ALTERNATIVELY, STRUCTURAL ANALYSIS SHALL BE PERFORMED TO DEMONSTRATE COMPLIANCE WITH 2010 CBC SECTION 1615A.1.16.
- PENETRATIONS THROUGH THE CEILING FOR SPRINKLER HEADS AND OTHER SIMILAR DEVICES THAT ARE NOT INTEGRALLY TIED TO THE CEILING SYSTEM IN THE LATERAL DIRECTION SHALL HAVE A TWO (2) INCH OVERSIZED RING, SLEEVE OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FREE MOVEMENT OF ONE (1) INCH IN ALL HORIZONTAL DIRECTIONS. ALTERNATIVELY, SWING JOINTS MAY BE PROVIDED PER 2010 CBC SECTION 1615A.1.16.
- FASTEN NO. 12 GAUGE HANGER WIRES WITH NOT LESS THAN THREE (3) TIGHT TURNS. FASTEN NO. 12 GAUGE BRACING WIRES WITH FOUR (4) TIGHT TURNS. MAKE ALL TIGHT TURNS WITHIN A DISTANCE OF 1-1/2 INCHES. HANGER OR BRACING WIRE ANCHORS TO THE STRUCTURE SHOULD BE INSTALLED IN SUCH A MANNER THAT THE DIRECTION OF THE ANCHOR ALIGNS AS CLOSELY AS POSSIBLE WITH THE DIRECTION OF THE WIRE.

NOTE: WIRE TURNS MADE BY MACHINE WHERE BOTH STRANDS HAVE BEEN DEFORMED OR BENT IN WRAPPING CAN WAIVE THE 1 1/2 INCH REQUIREMENT, BUT THE NUMBER OF TURNS SHOULD BE MAINTAINED AND BE AS TIGHT AS POSSIBLE.

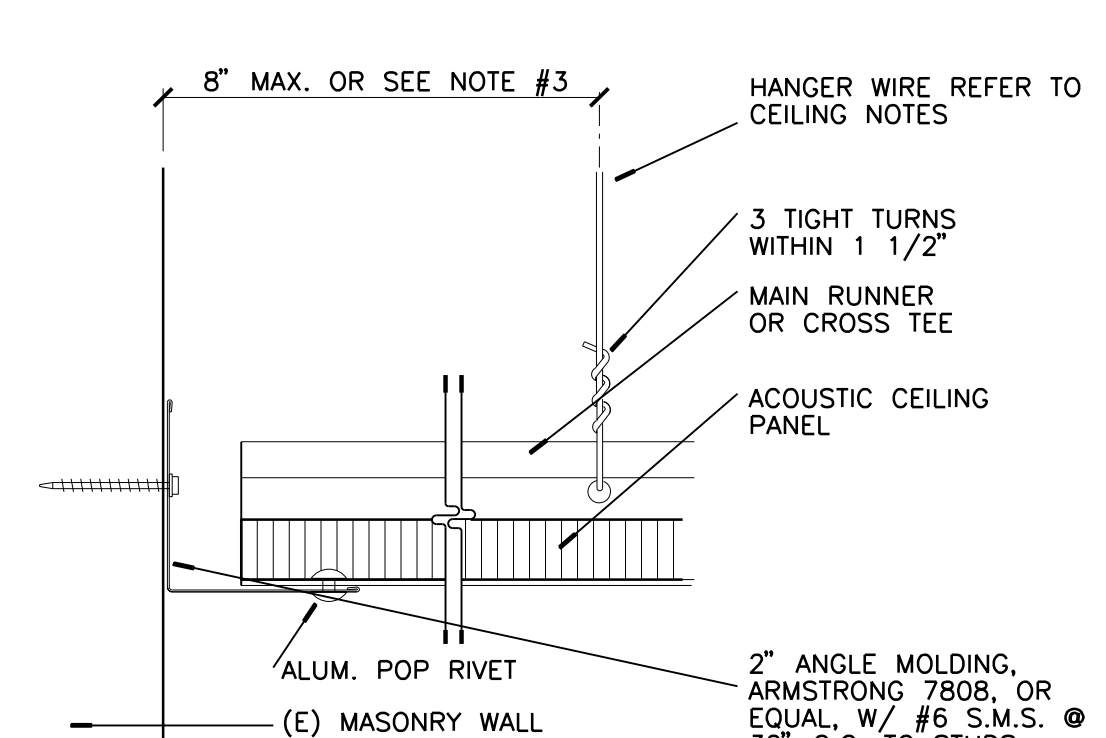
- SEPARATE ALL CEILING HANGER AND BRACING WIRES AT LEAST SIX (6) INCHES FROM ALL UNBRACED DUCTS, PIPES, CONDUIT, ETC.
- WHEN DRILLED-IN CONCRETE ANCHORS OR SHOT-IN ANCHORS ARE USED IN REINFORCED CONCRETE FOR HANGER WIRES, 1 OUT OF 10 WIRE/ANCHOR ASSEMBLIES MUST BE FIELD TESTED FOR 200 POUNDS OF TENSION. WHEN DRILLED-IN CONCRETE ANCHORS ARE USED FOR BRACING WIRES, 1 OUT OF 2 WIRE/ANCHOR ASSEMBLIES MUST BE FIELD TESTED FOR 440 POUNDS IN TENSION. SHOT-IN ANCHORS IN CONCRETE ARE NOT PERMITTED FOR BRACING WIRES.
- ATTACH ALL LIGHT FIXTURES AND CEILING MOUNTED AIR TERMINALS TO THE CEILING GRID RUNNERS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURES. SCREWS OR APPROVED FASTENERS ARE REQUIRED.
- FLUSH OR RECESSED LIGHT FIXTURES AND AIR TERMINALS OR SERVICES WEIGHING LESS THAN 20 LBS. MAY BE SUPPORTED DIRECTLY ON THE RUNNERS OF HEAVY DUTY GRID SYSTEM BUT, IN ADDITION, THEY MUST HAVE A MINIMUM OF TWO NO. 12 GAUGE SLACK SAFETY WIRES ATTACHED TO THE FIXTURE AT DIAGONAL CORNERS AND ANCHORED TO THE STRUCTURE ABOVE. ALL 4 FEET BY 4 FEET LIGHT FIXTURES MUST HAVE SLACK SAFETY WIRES AT EACH CORNER.
 - ALL FLUSH OR RECESSED LIGHT FIXTURES WEIGHING 56 LBS. OR MORE AND MECHANICAL TERMINALS AND SERVICES, WEIGHING 20 LBS. OR MORE, MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR (4) TAUT NO. 12 GAUGE WIRES, EACH ATTACHED TO THE FIXTURE AND TO THE STRUCTURE ABOVE.
 - THE FOUR (4) TAUT NO. 12 GAUGE WIRES INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE MUST BE CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE UNIT.
- SUPPORT SURFACE MOUNTED LIGHT FIXTURES BY AT LEAST TWO POSITIVE DEVICES WHICH SURROUND THE CEILING RUNNER AND WHICH ARE EACH SUPPORTED FROM THE STRUCTURE ABOVE BY A NO. 12 GAUGE WIRE. SPRING CLIPS OR CLAMPS THAT CONNECT ONLY TO THE RUNNER ARE NOT ACCEPTABLE.
 - PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE 8 FEET OR LONGER. MAXIMUM SPACING BETWEEN SUPPORTS SHALL NOT EXCEED 8 FEET.
- SUPPORT PENDANT MOUNTED LIGHT FIXTURES DIRECTLY FROM THE STRUCTURE ABOVE WITH HANGER WIRES OR CABLES PASSING THROUGH EACH PENDANT HANGER AND CAPABLE OF SUPPORTING TWO (2) TIMES THE WEIGHT OF THE FIXTURE. A BRACING ASSEMBLY PER FIGURE D3, IS REQUIRED WHERE THE PENDANT HANGER PENETRATES THE CEILING. SPECIAL DETAILS ARE REQUIRED TO ATTACH THE PENDANT HANGER TO THE BRACING ASSEMBLY TO TRANSMIT HORIZONTAL FORCES.
- CLASSIFICATION OF CEILING GRID: HEAVY DUTY
 - MANUFACTURER'S CATALOG NUMBER:
 - MAIN RUNNER: USG-DONN DX26, CHICAGO METALLIC 200 PER ICC-ES ESR 1289, ESR 1308 AND 2282.
 - CROSS RUNNER: USG-DONN DX424, CHICAGO METALLIC 1204 PER ICC-ES ESR 1289, ESR 1308 AND 2282.
 - RUNNER SPLICE: SEISMIC RESTRAINING CLIP SHALL BE PROVIDED AT ALL CROSS TEE INTERSECTIONS.



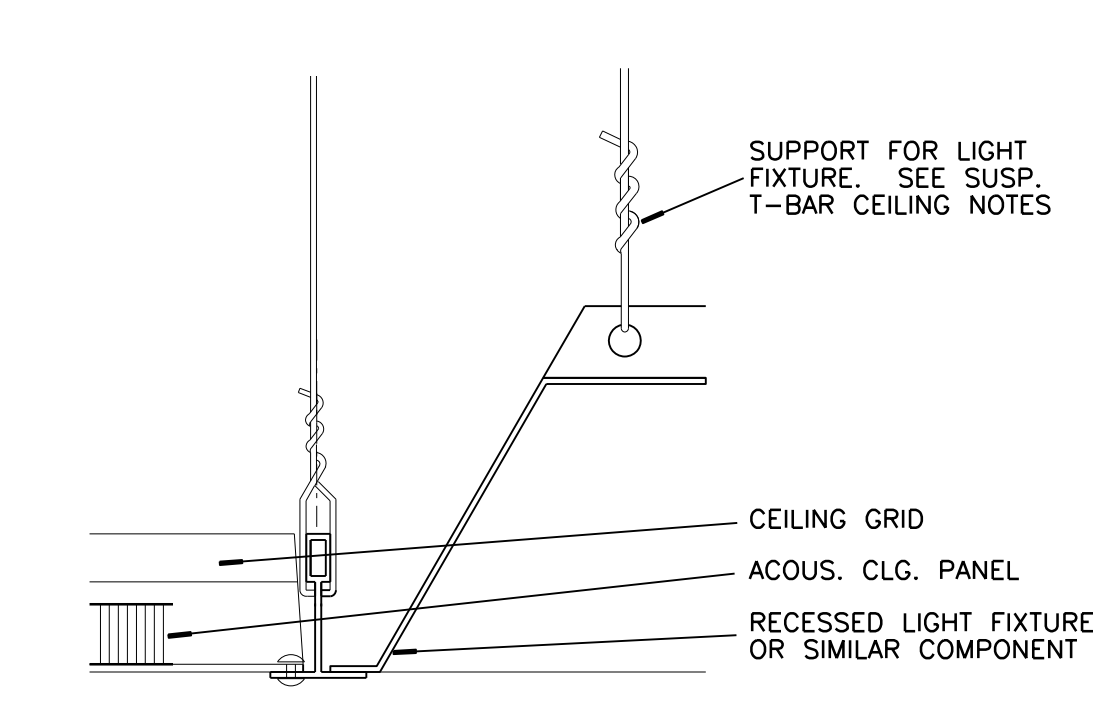
D2 ACOUS. CEILING SYSTEM AT WALL - SLIP EDGE
HALF



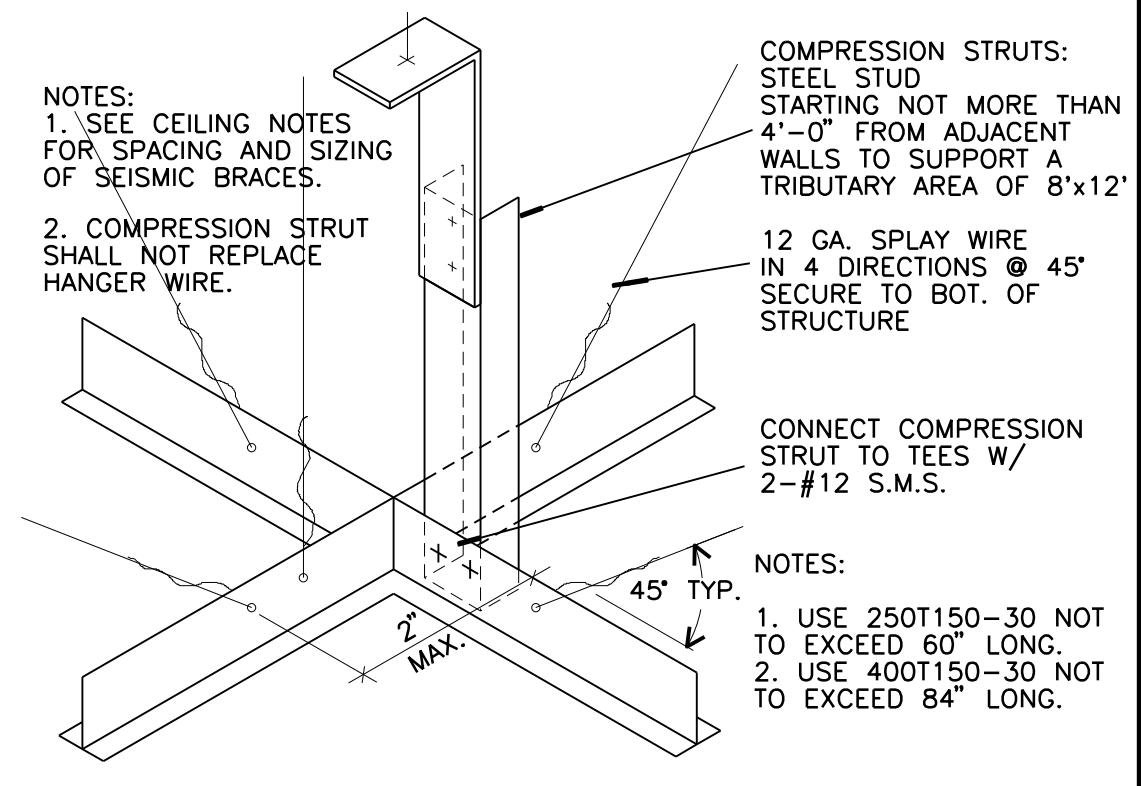
C2 ACOUS. CEILING SYSTEM AT WALL - FIXED EDGE
HALF



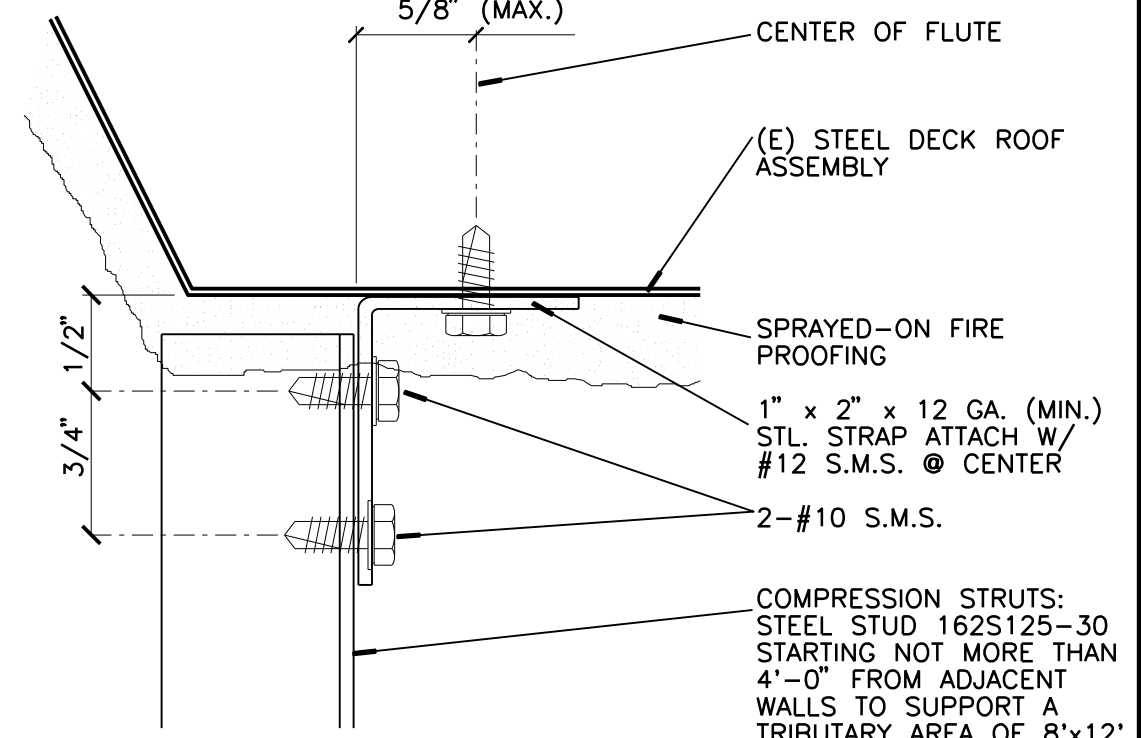
B2 RECESSED LIGHT FIXTURE AT ACOUS. CEILING SYSTEM
HALF



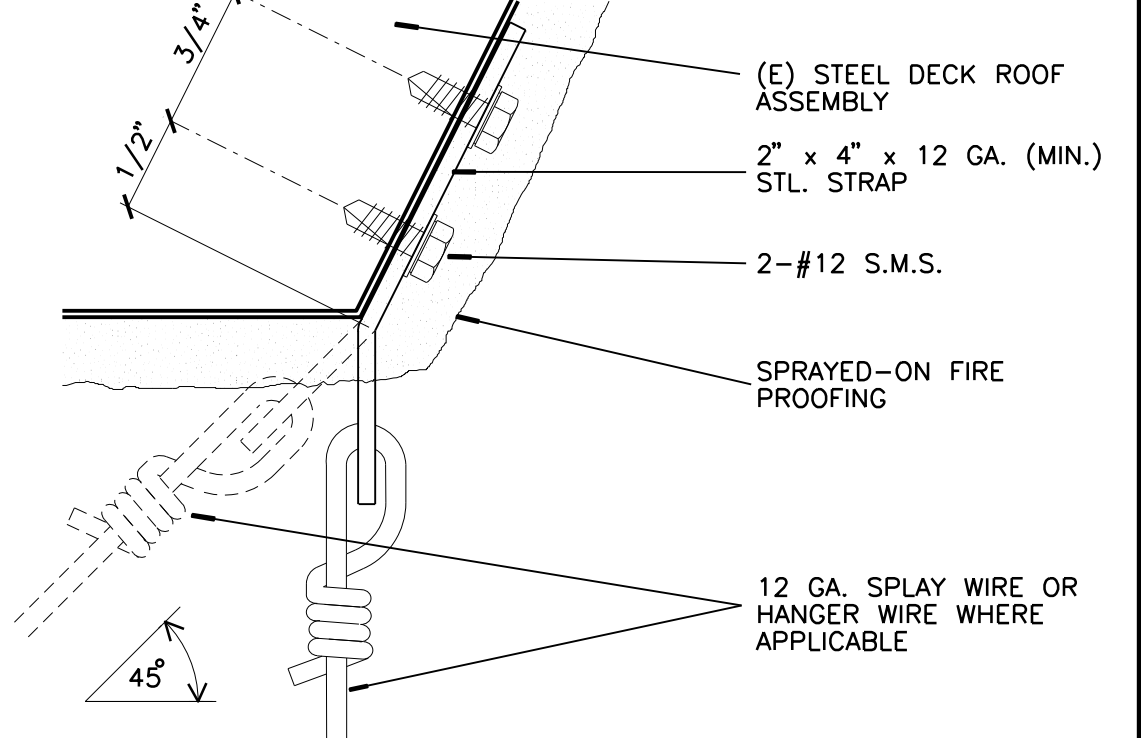
A2 CURTAIN TRACK AT CEILING
HALF



D3 ACOUS. CEILING SYSTEM ISOMETRIC VIEW - TYPICAL
N.T.S.



C3 COMPRESSION STRUT AT DECK
FULL



B3 CEILING HANGER & SPLAY WIRE AT STRUCTURE ABOVE
FULL



A3 (NOT USED)

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	HEIGHT	FINISH	WAINSCOT				WALLS				DOOR	DOOR FRAME	CEILING	CEILING HEIGHT	REMARKS	
						NORTH	EAST	SOUTH	WEST	NORTH	EAST	SOUTH	WEST						
46	PROJECTION ROOM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
48	LECTURE HALL	PTX	WB-1	-	-	VARIES	VARIES	VARIES	VARIES	PTSG	PTSG	AP-2	11'-8"	-	-	-	-	-	SEE INT. ELEV. & REF. CLG. PLAN FOR MORE INFO.
49	FOYER	VCT	WB-1	-	-	-	-	-	-	PTSG	PTSG	PTFE	VARIES	-	-	-	-	-	SEE INT. ELEV. & REF. CLG. PLAN FOR MORE INFO.

ROOM SCHEDULE LEGEND

AP-1 = ACOUSTICAL PANEL 24"x48"	CT-1 = TILE	WB-1 = TOP SET RUBBER BASE	PTFE = PAINT/FLAT
AP-2 = ACOUSTICAL PANEL 24"x24"	(E), /E = EXISTING	WB-2 = COVED BASE - 6"	PTES = PAINT/EGG-SHELL
AT = ACOUSTICAL TILE	SVF-1 = SHEET VINYL FLOORING	WC-1 = WALL COVERING	PTSG = PAINT/SEM-GLOSS
CPT-1 = CARPET	VCT-1 = VINYL COMPOSITION TILE		PTEX = PAINT/EPOXY

DOOR SCHEDULE

DOOR NO.	ROOM NO.	OPENING SIZE	TYPE	CONST.	FACING/ FINISH	GLASS	LOUVER	RATING	FRAME TYPE	FRAME CONST.	HARDWARE	DETAILS					REMARKS
												HEAD	JAMB STRIKE	JAMB HINGE	SILL	NOTE: DOOR RATING IS IN MINUTES	
01	FOYER 49	6'-0" x 7'-0"	-	AL	AL	GL3	-	-	-	1	C2/A-018	A1/A-018	A1/A-018	A2/A-018	A2/A-018	SEE INTERIOR ELEVATIONS. AUTO SLIDING DOOR	
02	FOYER 49	6'-0" x 7'-0"	-	AL	AL	GL3	-	-	-	1	C2/A-018	A1/A-018	A1/A-018	A2/A-018	A2/A-018	SEE INTERIOR ELEVATIONS. AUTO SLIDING DOOR	
03	LECTURE HALL 48	3'-0" x 7'-0"	A	HM	P	-	-	-	1	HM	2	D5/A-019	D5/A-019	D5/A-019	D5/A-019		
04	LECTURE HALL 48	6'-0" x 11'-0"	B	HM	P	-	-	45	(E)	HM	3	(E)	(E)	(E)	(E)	85/A-019	
05	LECTURE HALL 48	6'-0" x 11'-0"	B	HM	P	-	-	45	(E)	HM	3	(E)	(E)	(E)	(E)	85/A-019	

DOOR SCHEDULE LEGEND

AL = ALUMINUM	P = PAINT	MC = MINERAL CORE
(E) = EXISTING	PL = PLASTIC LAMINATE	GL1 = FULLY TEMPERED SAFETY GLASS
WD1 = WOOD/NATURAL STAIN	HM = HOLLOW METAL	GL2 = FULLY TEMPERED PATTERNED GLASS
WD2 = WOOD/PAINT FINISH	SC = SOLID CORE	GL3 = 1" THK INSULATING GLASS

1. PER CBC SECTION 11B-404.2.9, MAXIMUM FORCE TO PUSH OR PULL DOORS SHALL NOT EXCEED THE FOLLOWING:

- A INTERIOR HINGED, SLIDING, FOLDING DOORS - 5 POUNDS
- B EXTERIOR HINGED DOORS - 5 POUNDS
- C FIRE DOORS - 15 POUNDS

2. PER CBC SECTION 11B-309.4, DOORS THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL HAVE HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS THAT SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL NOT EXCEED 5 LBS.

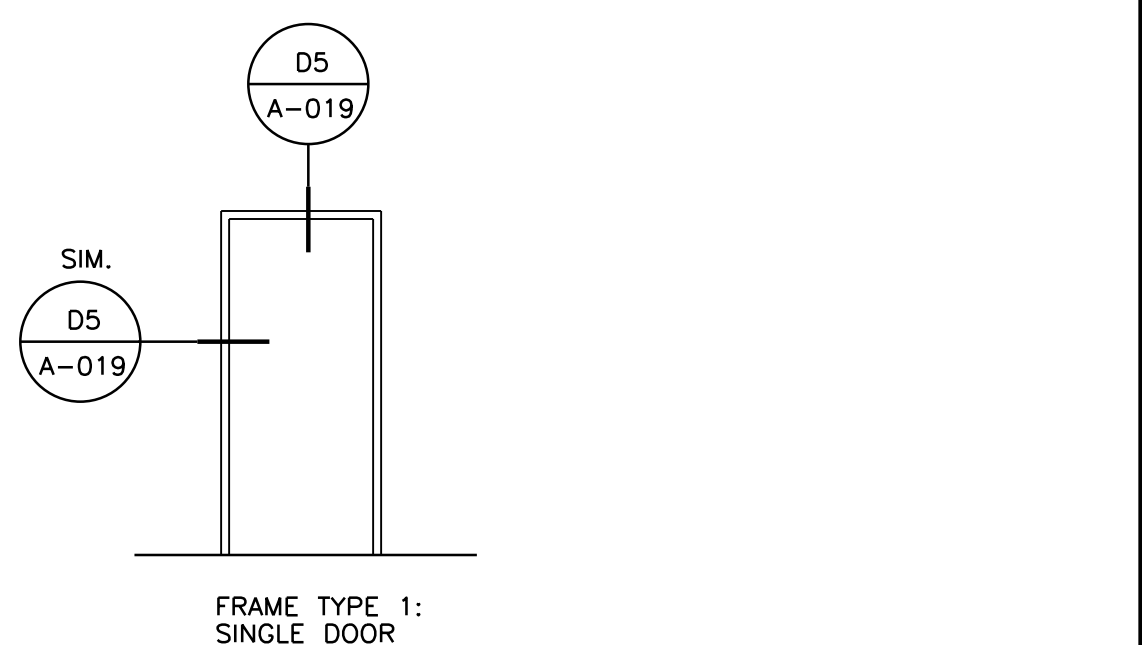
3. PER CBC SECTION 1008.1.9, EGRESS DOORS SHALL BE READILY OPENABLE FROM THE EGRESS SIDE WITHOUT USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT.

4. FIRE-RATED AND SMOKE- AND DRAFT-CONTROL DOORS AND FRAMES SHALL BEAR AN APPROVED LABEL OR OTHER IDENTIFICATION PER CBC SECTIONS 715.4.6.1 AND 715.4.6.3. DOORS SHALL BE MAINTAINED SELF-CLOSING OR SHALL BE AUTOMATIC CLOSING BY ACTUATION OF A SMOKE DETECTOR IN ACCORDANCE WITH CBC SECTION 715.4.8.5.

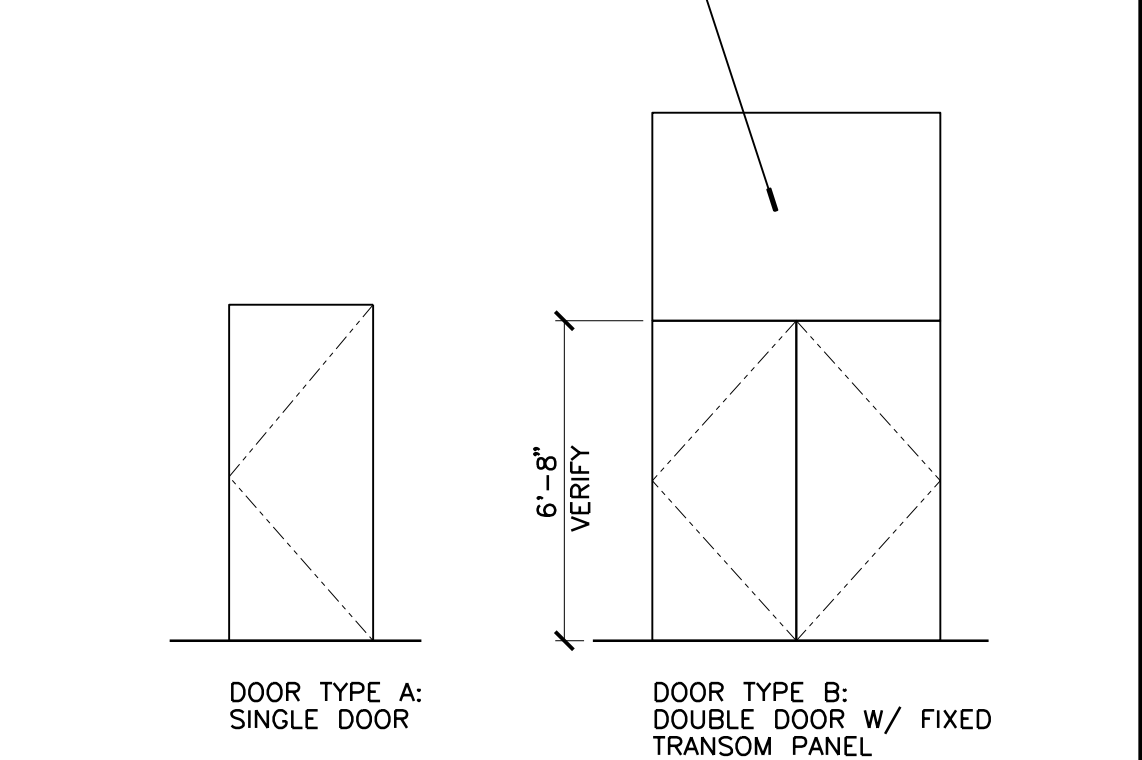
5. ALL FIRE-RATED DOORS AND SMOKE- AND DRAFT-CONTROL DOOR ASSEMBLIES SHALL BE PROVIDED WITH AN APPROVED GASKET INSTALLED SO AS TO PROVIDE A SEAL WHERE THE DOOR MEETS THE STOP ON BOTH SIDES AND ACROSS THE TOP.

6. MAIN EXIT DOORS SHALL BE PROVIDED WITH A DURABLE SIGN OF ONE INCH (1") LETTERS ON CONTRASTING BACKGROUND INDICATING, "THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED."

7. ADDITIONAL EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT (SINGLE ACTION). THE USE OF THUMB BOLTS IS NOT ALLOWED TO MEET THIS REQUIREMENT, AND CANNOT BE INSTALLED ON DOORS REQUIRED TO HAVE SINGLE ACTION HARDWARE.



(N) DOOR & SHT. MET PANEL OVER (E) TRANSOM PANEL (WHICH IS TO REMAIN). (E) H.M. FRAME & PIVOT HINGES TO REMAIN - (N) PAINT, TYP. OF (2)



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Architect's Data:

Architect's Stamp: [Signature]
Consultants Stamp:

PROJECT TITLE
UCR DMFI PROJECTS 2019 PHYSICS 2000 RENEWAL
REBID AUGUST 2020

REVISIONS		
REV #	DESCRIPTION	DATE

Consultants Data:

Project Title
UCR DMFI PROJECTS 2019 PHYSICS 2000 RENEWAL

UCR project manager
SCOTT DONNEL

scale	AS NOTED	sd approval
Drawn by	J.D.	dd approval
Checked by	G.C.	cd approval
UCR project no.	957443	construction release
iso number		

A1	CEILING NOTES	A2	CURTAIN TRACK AT CEILING	A3	(NOT USED)	A4	DOOR NOTES	A5	DOOR & FRAME TYPE
NONE		HALF				NONE		NONE	

Drawing Name
DETAIL & SCHEDULE

Sheet No.
A-020
OF

GENERAL NOTES

- THE CONTRACTOR SHALL SECURE AND PAY FOR PERMITS AND FEES NECESSARY FOR EXECUTION AND COMPLETION OF ELECTRICAL WORK, INCLUDING ALL CHARGES BY THE LOCAL GOVERNMENT AGENCIES AND THE UTILITY COMPANIES.
- ALL OUTLET LOCATIONS SHALL BE COORDINATED WITH ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION.
- SEE SINGLE LINE DIAGRAM FOR CONDUIT AND CONDUCTOR SIZES, PANELS, TRANSFORMERS, MOTOR CONTROL CENTERS, MECHANICAL EQUIPMENT, ETC. HOMERUNS TO PANELS MAY NOT BE SHOWN ON PLANS BUT ARE PART OF THIS CONTRACT.
- EXACT LOCATION OF ALL CEILING MOUNTED DEVICES SHALL BE AS INDICATED ON THE ARCHITECTURAL REFLECTED CEILING PLANS.
- UNLESS OTHERWISE NOTED, MOUNTING HEIGHTS INDICATED ON ELECTRICAL OUTLETS ARE FROM FINISHED FLOOR TO CENTER OF OUTLETS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CUT-OUTS IN TILE OR COUNTER SPLASHES WHERE RECEPTACLES, OUTLETS, ETC., OCCUR.
- ALL RECESSED DEVICES, ETC., MOUNTED IN FIRE RATED CEILING SHALL BE ENCLOSED WITH AN APPROVED ENCLOSURE CARRYING THE SAME FIRE RATING AS THE CEILING. THE CEILING.
- THE NUMERAL(S) SHOWN AT TOP LIGHT FIXTURE IDENTIFICATION SYMBOL WHICH INDICATES NUMBER OF LIGHT FIXTURES REQUIRED SHALL NOT BE USED BY THE CONTRACTOR FOR HIS QUANTITY TAKE-OFF AT BIDDING OR FOR DETERMINATION OF HOW MANY FIXTURES WILL BE INSTALLED. THE CONTRACTOR SHALL INSTALL A LIGHT FIXTURE WHEREVER A FIXTURE OUTLET IS SHOWN ON DRAWINGS.
- ALL FINAL CONNECTIONS TO OWNER-FURNISHED EQUIPMENT SHALL BE MADE BY THE CONTRACTORS.
- EQUIPMENT ANCHORAGE
THE SEISMIC ANCHORAGE OF MECHANICAL AND ELECTRICAL EQUIPMENT SHALL CONFORM TO C.C.R. TITLE 24, 1998 CBC SECTION 1692A AND TABLE 16A-0. ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIPMENT SHALL BE SHOWN ON PLAN.
- THE CONTRACTOR SHALL VISIT THE SITE INCLUDING SPECIFICALLY ALL AREAS INDICATED ON THE DRAWINGS. HE SHALL THOROUGHLY FAMILIARIZE HIMSELF WITH THESE EXISTING CONDITIONS AND BY SUBMITTING A BID ACCEPTS CONDITIONS UNDER WHICH HE WILL BE REQUIRED TO PERFORM HIS WORK.
- IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO DO ALL CORING, CUTTING, PATCHING AND REFINISHING OF WALLS AND SURFACES WHEREVER IT IS NECESSARY FOR HIM TO PENETRATE FOR HIS WORK. ALL OPENINGS MADE SHALL BE SEALED TO MEET THE RATED INTEGRITY OF THE PARTICULAR WALL, FLOOR OR CEILING.
- ATTENTION IS CALLED TO THE FACT THAT THE CEILING SYSTEMS FOR THE MOST PART ARE CONSIDERED TO BE INACCESSIBLE. THE CONTRACTOR SHALL STRATEGICALLY LOCATE BOXES, ETC., IN AN ACCESSIBLE CEILING SPACE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING COMPATIBILITY OF ALL COMMUNICATIONS/SIGNALING SYSTEM DEVICES TO PROVIDE COMPLETE AND OPERABLE SYSTEMS.
- ALL EXPOSED CONDUIT SHALL BE PAINTED TO MATCH FINISH OF SURFACE TO WHICH IT IS ATTACHED/SUPPORTED TO.
- INSTALL RACEWAY SYSTEMS AS FOLLOWS:
 - RIGID GALVANIZED STEEL IN ALL OUTDOOR LOCATIONS AND IN INDOOR LOCATIONS WHERE SUBJECT TO PHYSICAL DAMAGE.
 - I.M.C. OR E.M.T. IN ALL INDOOR AREAS.
 - FLEXIBLE METAL CONDUIT FOR FINAL CONNECTIONS TO LIGHT FIXTURES, MOTORS, VIBRATING ELECTRICAL EQUIPMENT AND HORIZONTAL RUNS IN WALLS.
 - USE COMPRESSION TYPE FITTINGS FOR ALL METALLIC CONDUIT.

DEMOLITION NOTES

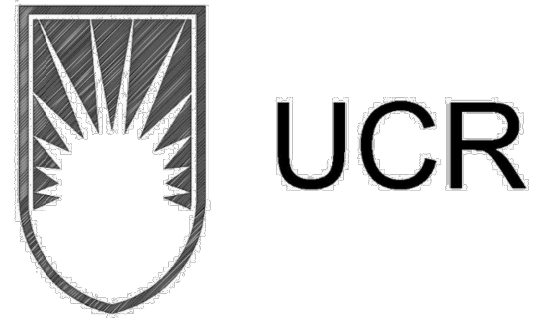
- ALL ELECTRICAL FIXTURES, OUTLETS, DEVICES, ETC., THAT ARE MARKED FOR DELETION, SHALL BE REMOVED COMPLETELY, INCLUDING CONDUIT AND WIRES BACK TO THE LAST REMAINING FIXTURE, OUTLET, DEVICE, ETC.
- WHERE EXISTING OUTLET/DEVICES TO REMAIN ARE FED BY OUTLETS BEING REMOVED BY WORK UNDER THIS CONTRACT, THE CONTRACTOR SHALL ROUTE NEW CONDUIT, WIRE, ETC., AS REQUIRED TO MAINTAIN THE SUBJECT OUTLETS IN OPERATION.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO REMOVAL OF EXISTING ELECTRICAL EQUIPMENT AND TURN OVER REMOVED EQUIPMENT THAT THE OWNER REQUESTS, IN AS-FOUND CONDITION. EQUIPMENT THAT IS TO BE TURNED OVER SHALL BE BOXED AND TAGGED TO IDENTIFY THE SPECIFIC EQUIPMENT.
- ALL EXISTING CONDUITS WITHIN PROJECT AREA FOR LIGHTING FIXTURES, RECEPTACLES, OTHER BRANCH CIRCUITS LOADS AND COMMUNICATIONS/SIGNAL SYSTEMS, WHETHER SHOWN ON PLANS OR NOT, SHALL BE A PART OF THIS CONTRACT.
- IN GENERAL, THE DEMOLITION PLAN SHOWS EXISTING EQUIPMENT THAT IS TO REMAIN, BE REMOVED OR REMOVED AND RELOCATED. HOWEVER, ELECTRICAL EQUIPMENT WHETHER SHOWN ON THIS DRAWING OR NOT, THAT IS LOCATED IN A REMOVED WALL OR CEILING, SHALL BE REMOVED UNLESS OTHERWISE NOTED.
- WHERE EXISTING WALLS ARE REMOVED BY WORK UNDER THIS CONTRACT, EXISTING CONDUIT FEEDS UP THROUGH FLOOR SHALL BE CUT OFF AND PLUGGED FLUSH WITH FLOOR AND CONDUCTORS REMOVED FROM THAT POINT BACK TO LAST OUTLET REMAINING IN SERVICE. WHERE THE SUBJECT CONDUIT FEEDS OUTLETS/ DEVICES REMAINING IN OPERATION THE CONTRACTOR SHALL REROUTE THE SUBJECT CONDUIT AND CONDUCTORS AS REQUIRED TO MAINTAIN OPERATION OF SUCH CIRCUITS/SYSTEMS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND DIMENSION ALL SUCH CONDUITS ON THE "RECORD" DRAWINGS.
- IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO MAINTAIN CONTINUITY OF ALL ELECTRICAL AND COMMUNICATION SYSTEMS, EQUIPMENT, ETC., REMAINING IN OPERATION. MAINTAINING CONTINUITY SHALL CONSIST OF RE-ROUTING CONDUIT, WIRE, ETC., AS REQUIRED TO MAINTAIN THE SUBJECT SERVICES IN OPERATION.
- EXISTING CIRCUITS THAT ARE REMOVED AND NOT RE-USED SHALL BE IDENTIFIED ON PANEL SCHEDULE AS "SPARE".

ELECTRICAL SYMBOL LIST

- CONDUIT RUN, CONCEALED IN CEILING, WALLS OR UNDER FLOOR 3/4" MIN.
- — — CONDUIT RUN, UNDERGROUND.
-] CONDUIT STUBBED OUT AND CAPPED. FULL LINE IN PLACE.
- ~ FLEXIBLE CONDUIT. SEALTITE WHERE EXPOSED TO WEATHER. REFER TO SPECIFICATIONS FOR USE.
- ● CONDUIT TURNED DOWN.
- ○ CONDUIT TURNED UP.
- #10 — — — — — CROSS LINES ON CONDUIT RUNS INDICATE NUMBER OF #12 WIRES CONTAINED THEREIN. TWO #12 ARE INDICATED WHEN CROSS LINES ARE NOT SHOWN. NUMERALS ADJACENT TO CROSS LINES ON CONDUIT RUNS INDICATE SIZE OF CONDUCTORS IN LIEU OF #12.
- B-13 — — — — — CONDUIT HOME RUN TO PANELBOARD. LETTER AND NUMERALS INDICATES ELECTRICAL PANEL AND CIRCUIT NUMBER.
- E — — — — — EXISTING CONDUIT AND CIRCUIT CONDUCTORS TO REMAIN IN OPERATION.
- ER — — — — — EXISTING CONDUIT AND CIRCUIT CONDUCTORS TO BE REMOVED.
- EA — — — — — EXISTING CONDUIT TO BE ABANDONED IN PLACE. CONDUCTORS TO BE DISCONNECTED AND REMOVED.
- (E) EXISTING TO REMAIN.
- (R) EXISTING EQUIPMENT TO BE REMOVED.
- (N) NEW EQUIPMENT.
- ■ — — — — BRANCH CIRCUIT PANEL, MOUNTING AS SHOWN ON SCHEDULES.
- ⊕ DUPLEX RECEPTACLE, FLUSH IN WALL, SPECIFICATION GRADE, GROUNDING TYPE, 20 AMP, 120V, WITH THERMOPLASTIC WALL PLATE TO MATCH DEVICE. MTD. AT "18".
- ⊗ EXIT SIGN
- S DOOR SWITCH

- ⬡³_{+20'-0"} LIGHTING FIXTURE IDENTIFICATION SYMBOL. LETTER INDICATES TYPE OF FIXTURE. NUMERAL AT TOP OF HEXAGON INDICATES NUMBER OF FIXTURES REQUIRED. NUMBER AT BOTTOM OF HEXAGON INDICATES MOUNTING HEIGHT FROM FLOOR TO BOTTOM OF FIXTURE. OMISSION OF MOUNTING HEIGHT INDICATES CEILING MOUNTING.
- ⊙ JUNCTION BOX.
- ⊠ 2X2 LED LIGHT FIXTURE. SHADING INDICATES FIXTURE TO BE PROVIDED WITH EMERGENCY BATTERY PACK.
- ○ CEILING MOUNTED LED LIGHT FIXTURE. SHADING INDICATES FIXTURE TO BE PROVIDED WITH EMERGENCY BATTERY PACK.
- STEP LIGHT FIXTURE
- ⊞ RECESSED EMERGENCY LIGHTS
- ⊗ NOTE IDENTIFICATION SYMBOL. NUMBER INDICATES NOTE.
- ⊗_{E4X} DETAIL CALLOUT

LIGHTING FIXTURE SCHEDULE					
TYPE	MANUFACTURER CATALOG#	LAMP QTY. & TYPE	FIXTURE WATTAGE	VOLTS	REMARKS
A	DUAL-LITE CLM50125 OR APPROVED EQUAL	(2) 25W HALOGEN (PROVIDED WITH FIXTURE)	50	120	RECESSED EMERGENCY LIGHT FIXTURE WITH 4" SQUARE FLUSH ROTATING DOOR. ROUGH-IN KIT, LAMPS AND INTEGRAL 90 MINUTE BATTERY. CUSTOM DOOR FINISH/COLOR AS SELECTED BY THE ARCHITECT.
B	LITHONIA EDG-1-RFR-EL OR APPROVED EQUAL	LED (PROVIDED WITH FIXTURE)	3	120	WALL MOUNTED ARCHITECTURAL LED EDGE-LIT EXIT SIGN WITH RED LETTERS ON MIRRORRED PANEL AND INTEGRAL 90 MINUTE BATTERY PACK.
C	LITHONIA LIGHTING 2AVL2-40LSE-ADP-EZ1-LP840 OR APPROVED EQUAL	4202 LUMEN LED 2AVL2-40LSE-ADP-EZ1-LP840 4000K	48	120	RECESSED 2'x2' LED LIGHT FIXTURE. FIXTURE SHALL BE PROVIDED WITH INTEGRAL 0-10V LED DIMMING DRIVER AND INTEGRAL 90 MINUTE 1400 LUMEN EMERGENCY BATTERY BACK-UP WHERE SHADING INDICATED ON PLAN.
D	WINONA LIGHTING 11FC11B-DRP-24D1A-TUWH-FROR-2400LH-30CRI-120-# OR APPROVED EQUAL	2410 LUMEN LED 15 LM/W 4000K	32	120	24" ROUND SURFACE MOUNTED LED LIGHT FIXTURE. FIXTURE SHALL BE PROVIDED WITH INTEGRAL LED DRIVER 3000K TO 5000K COLOR TEMPERATURE, AND 90 COLOR RENDERING INDEX. * * FINISH AS SELECTED BY ARCHITECT
E	BEGA 53 08-K4-BLK OR APPROVED EQUAL	27W LED 24 LUMENS 4000K	2.7	120	RECESSED MOUNTED LED STEP LIGHT FIXTURE. FIXTURE SHALL BE PROVIDED WITH 4000K COLOR TEMPERATURE, LED DRIVER, WHITE SAFETY GLASS, LOUVERS, AND BLACK FINISH.
F	TIVOLI V-LTP-03-40-#-12-PSJ OR APPROVED EQUAL	LED 6375 LUMENS 4000K	1.5	120	SURFACE MOUNTED LED STEP-LIGHT. PROVIDED WITH 4000K COLOR TEMPERATURE, AND LED DRIVER.



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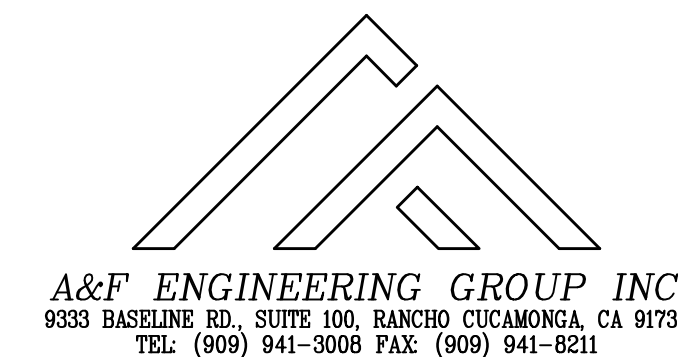
Institutional Designs & Architectural Services
3903 10th Street, Riverside, CA 92501-3521
Tel: (951) 342-3135 Fax: (951) 342-3137
Architect's Data:
Architect's Stamp: Consultants Stamp:



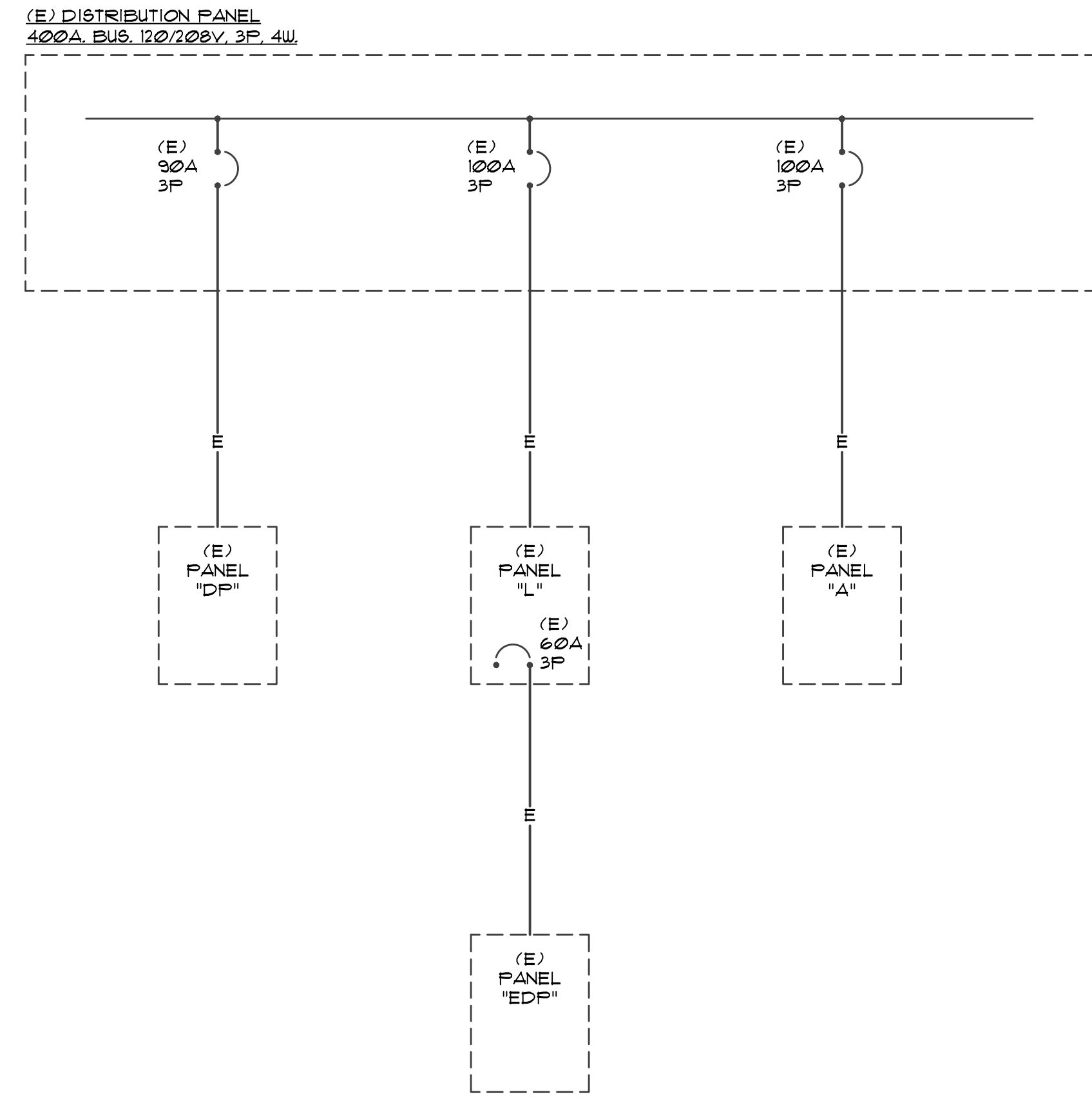
PROJECT TITLE
UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL
REBID AUGUST 2020

REVISIONS		
REV #	DESCRIPTION	DATE

Consultant's Data:	
Project Title UCR DMFI PROJECTS 2019 PHYSICS 2000 RENEWAL	
UCR project manager SCOTT DONNEL	
scale AS NOTED	sd approval
Drawn by J.D.	sd approval
Checked by S.C.	cd approval 08/28/20
UCR project no. 957443	construction release
Drawing Name GENERAL NOTES & SYMBOL LIST	
Sheet No. E-001 OF	



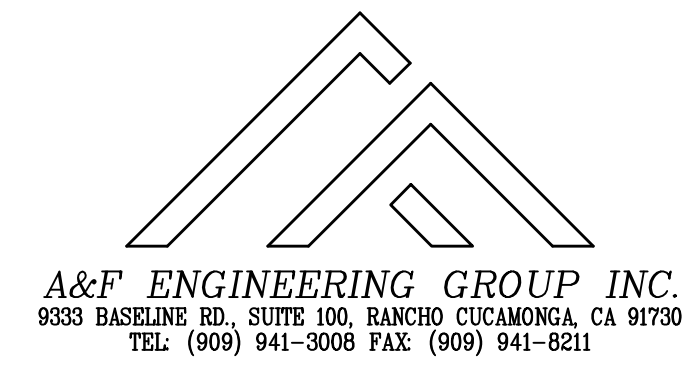
A&F ENGINEERING GROUP INC.
9333 BASELINE RD., SUITE 100, RANCHO CUCAMONGA, CA 91730
TEL: (909) 941-3008 FAX: (909) 941-8211



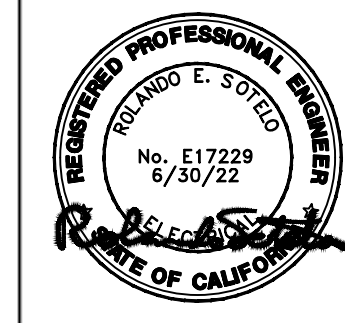
SINGLE LINE DIAGRAM

PANEL "A"
VOLTAGE: 208/120V-4-WIRE MAIN BREAKER: 100A SCA EXISTING
LOCATION: ELEVATOR LOBB BUS SIZE: 100A MOUNT: SURFACE
ENTRY: BOTTOM

DESCRIPTION	QKT	BKR	P	LTS	REC	MSC	MTR	A VA	B VA	C VA	AMPS		
LAPTOP OUTLETS	1	20	1		8			1440					
LAPTOP OUTLETS	3	20	1		8				1440				
LAPTOP OUTLETS	5	20	1		8					1440			
LAPTOP OUTLETS	7	20	1		13			2340					
LAPTOP OUTLETS	9	20	1		9				1620				
LAPTOP OUTLETS	11	20	1		10					1800			
LAPTOP OUTLETS	13	20	1		8			1440					
LAPTOP OUTLETS	15	20	1		8				1440				
LAPTOP OUTLETS	17	20	1		8					1440			
AUTO SLIDING DOORS	19	20	1										
SPARE	21	20	1										
SPARE	23	20	1										
SPACE	25	20	1										
SPACE	27	20	1										
SPACE	29	20	1										
SUB TOTAL VOLT/AMPS:								5220	4500	4680			
LAPTOP OUTLETS	2	20	1		8			1440					
LAPTOP OUTLETS	4	20	1		8				1440				
LAPTOP OUTLETS	6	20	1		8					1440			
LAPTOP OUTLETS	8	20	1		6			1080					
LAPTOP OUTLETS	10	20	1		8				1440				
LAPTOP OUTLETS	12	20	1		7					1260			
SPARE	14	20	1										
LAPTOP OUTLETS	16	20	1		8				1440				
LAPTOP OUTLETS	18	20	1		8					1440			
LAPTOP OUTLETS	20	20	1		8			1440					
LAPTOP OUTLETS	22	20	1		10					1800			
LOBBY LTS	24	20	1	14							476		
SPACE	26	20	1										
SPACE	28	20	1										
SPACE	30	20	1										
SUB TOTAL VOLT/AMPS:								3960	6120	4616			
CONNECTED: 29096 VA								TOTAL VOLT/AMPS:		9180	10620	9296	
25% OF MTR: VA								TOTAL AMPS/PHASE:		77	89	77	
25% OF LCL: 0 VA								CALCULATED: 29096 VA =		80.76	AMPS	80.76	ACTUAL AMPS



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Architect's Stamp: Consultants Stamp:

PROJECT TITLE
UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL
REBID AUGUST 2020

REVISIONS

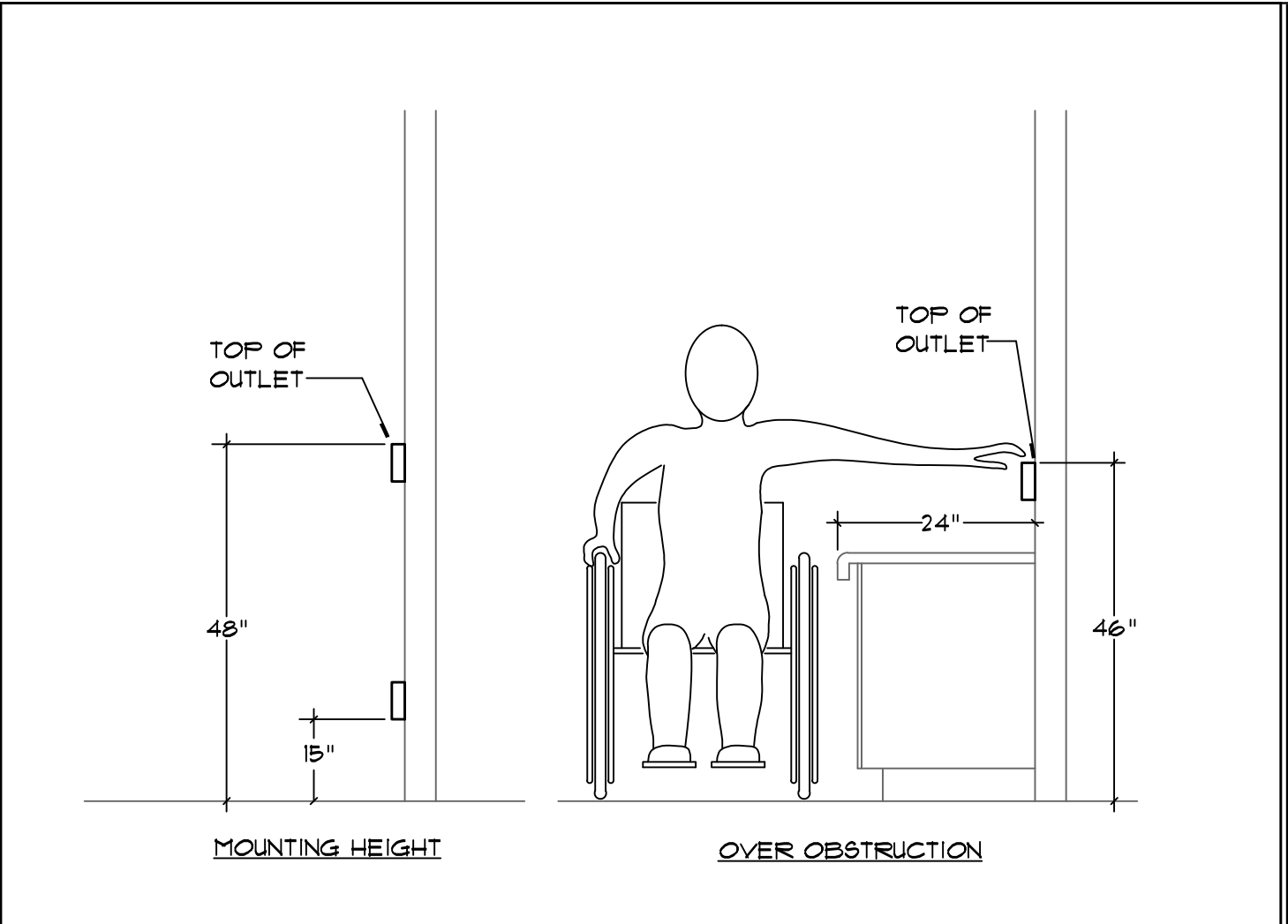
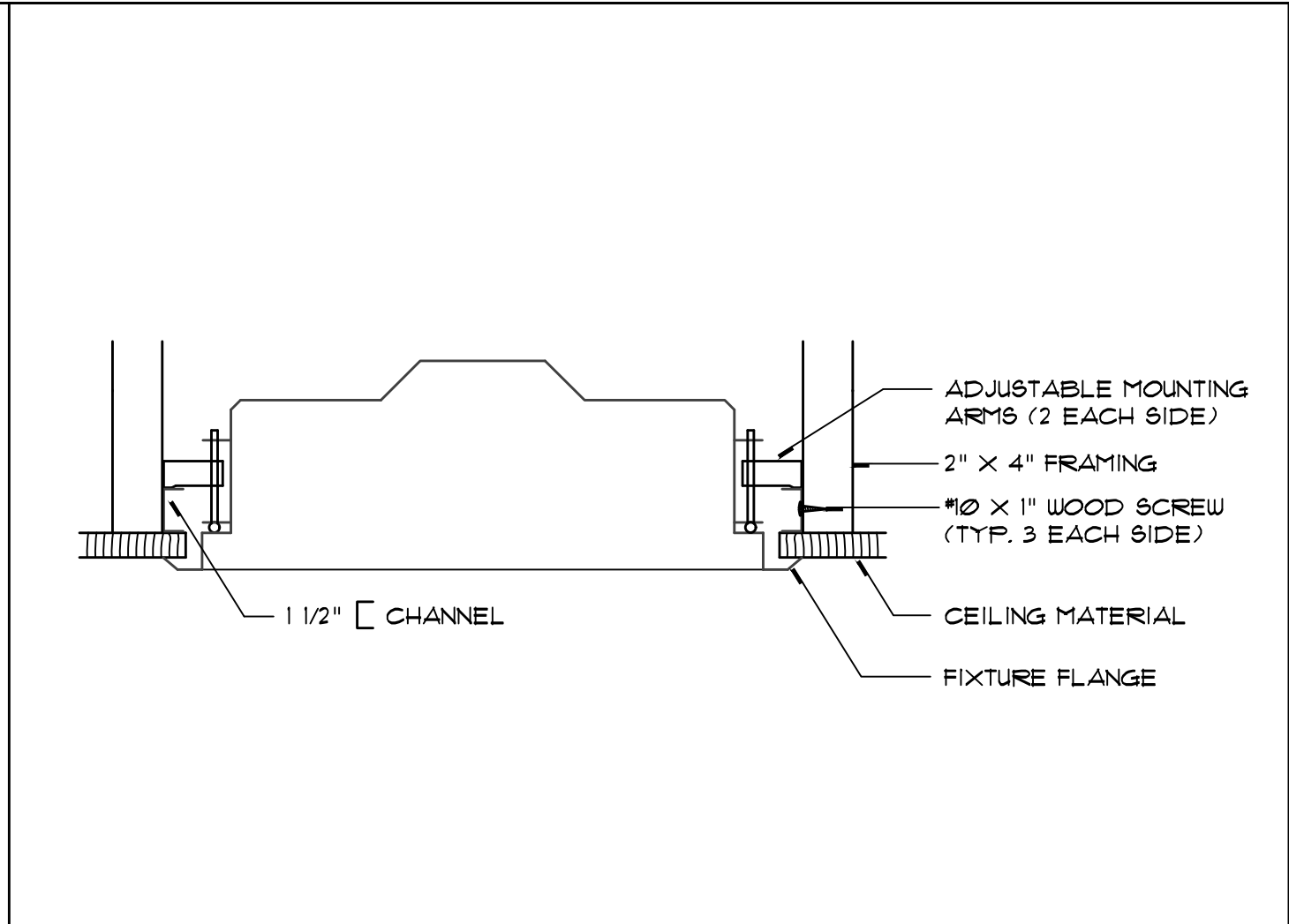
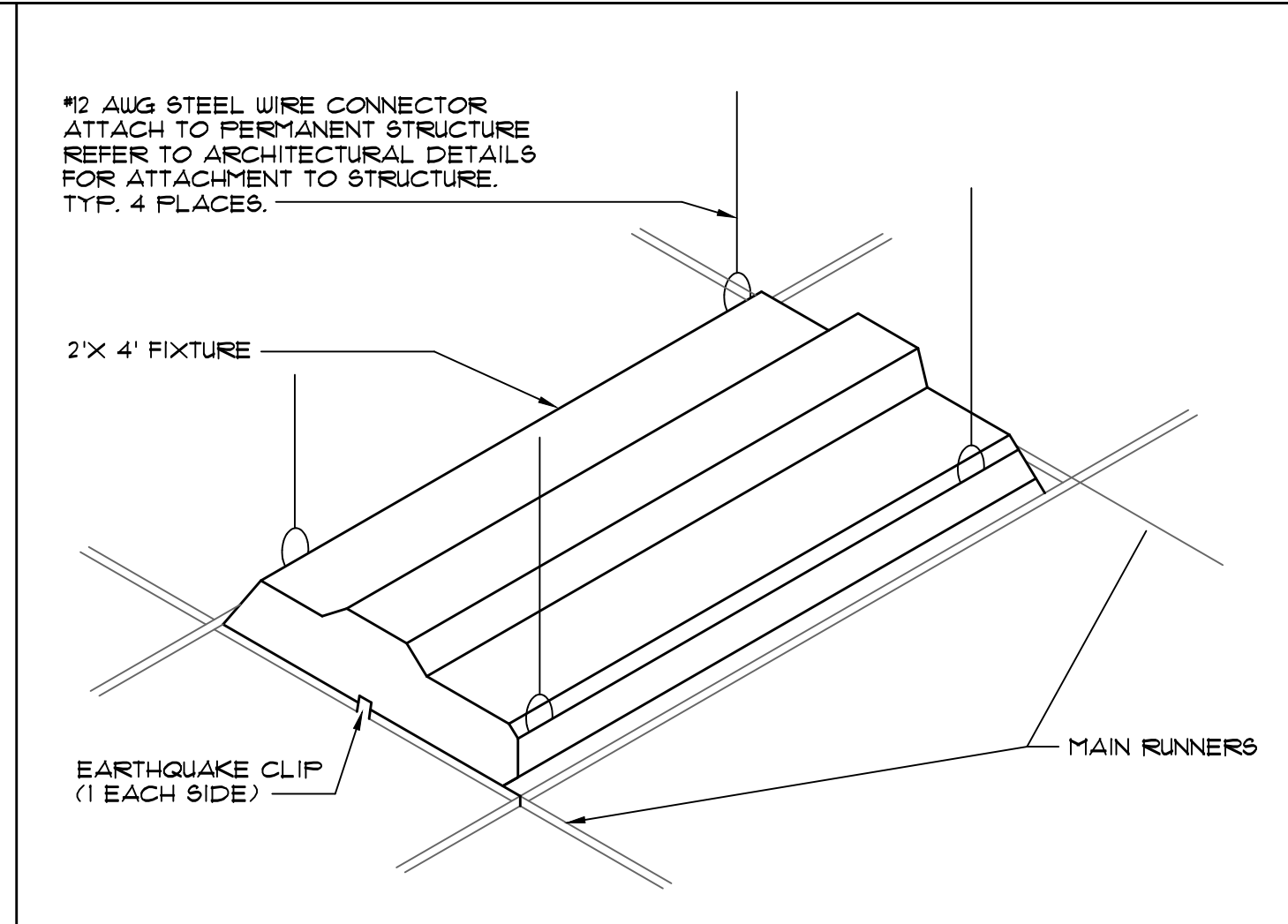
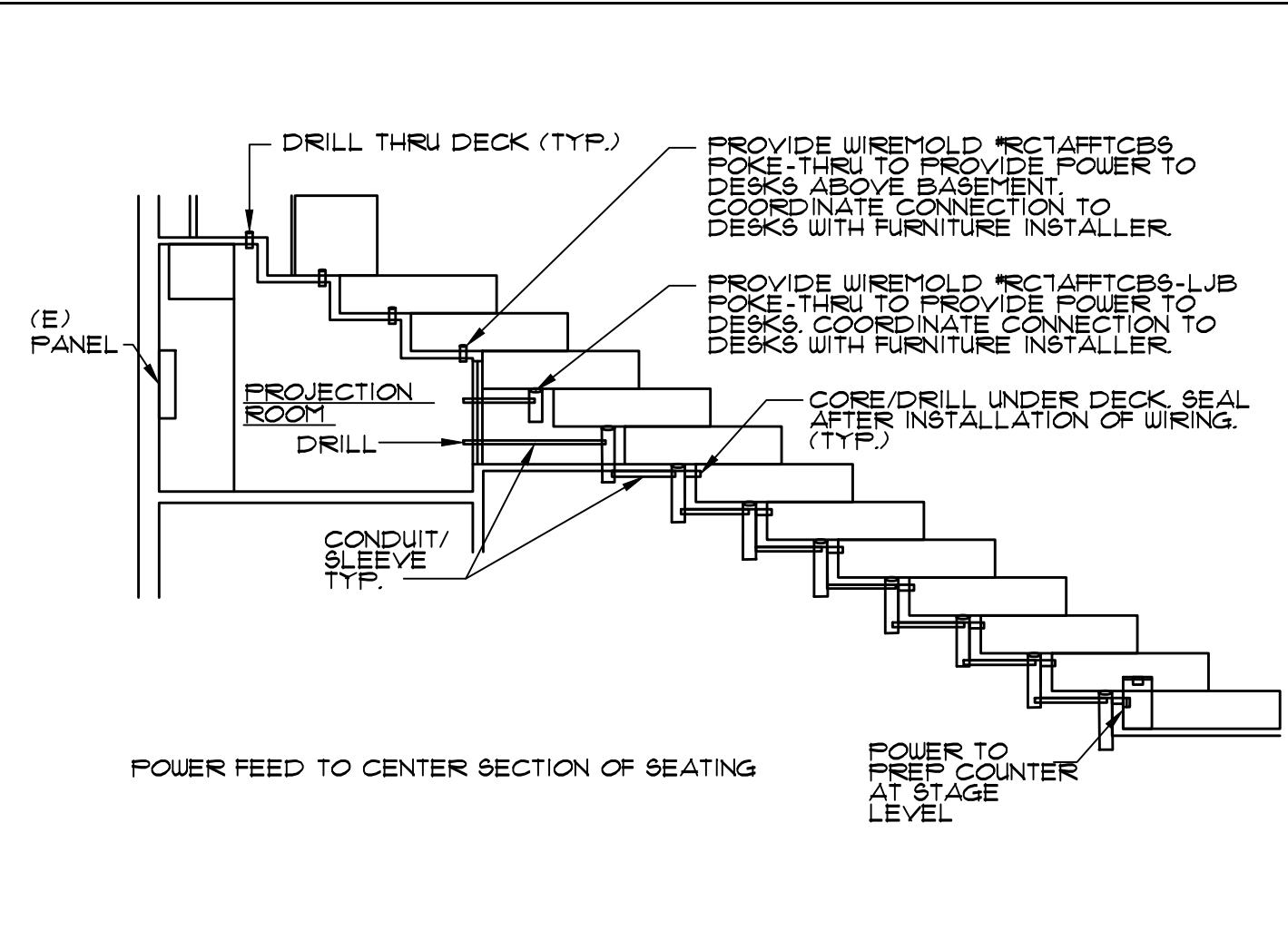
REV #	DESCRIPTION	DATE

Consultants Data:
Project Title
UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL

UCR project manager
SCOTT DONNEL

scale AS NOTED	sd approval
Drawn by J.D.	sd approval
Checked by S.C.	cd approval 08/28/20
UCR project no. 957443	construction release
iso number	

Drawing Name: PANELS & SINGLE LINE DIAGRAM Sheet No. E-002 OF



FEED TO CENTER SEATING ROWS SCALE: NONE 1

LIGHT FIXTURE - T-BAR MOUNTED SCALE: NONE 2

LIGHT FIXTURE - GYP CEILING SCALE: NONE 3

DEVICE MOUNTING HEIGHTS SCALE: NONE 4

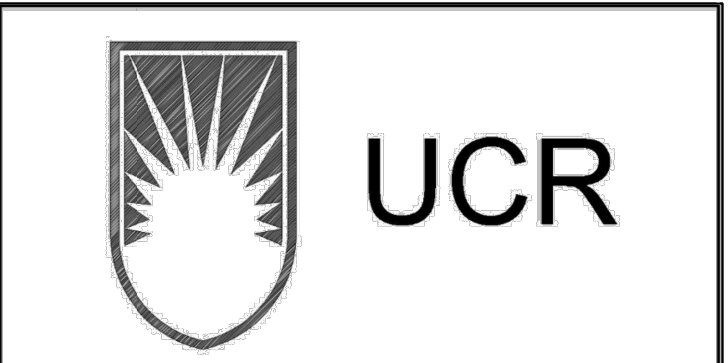
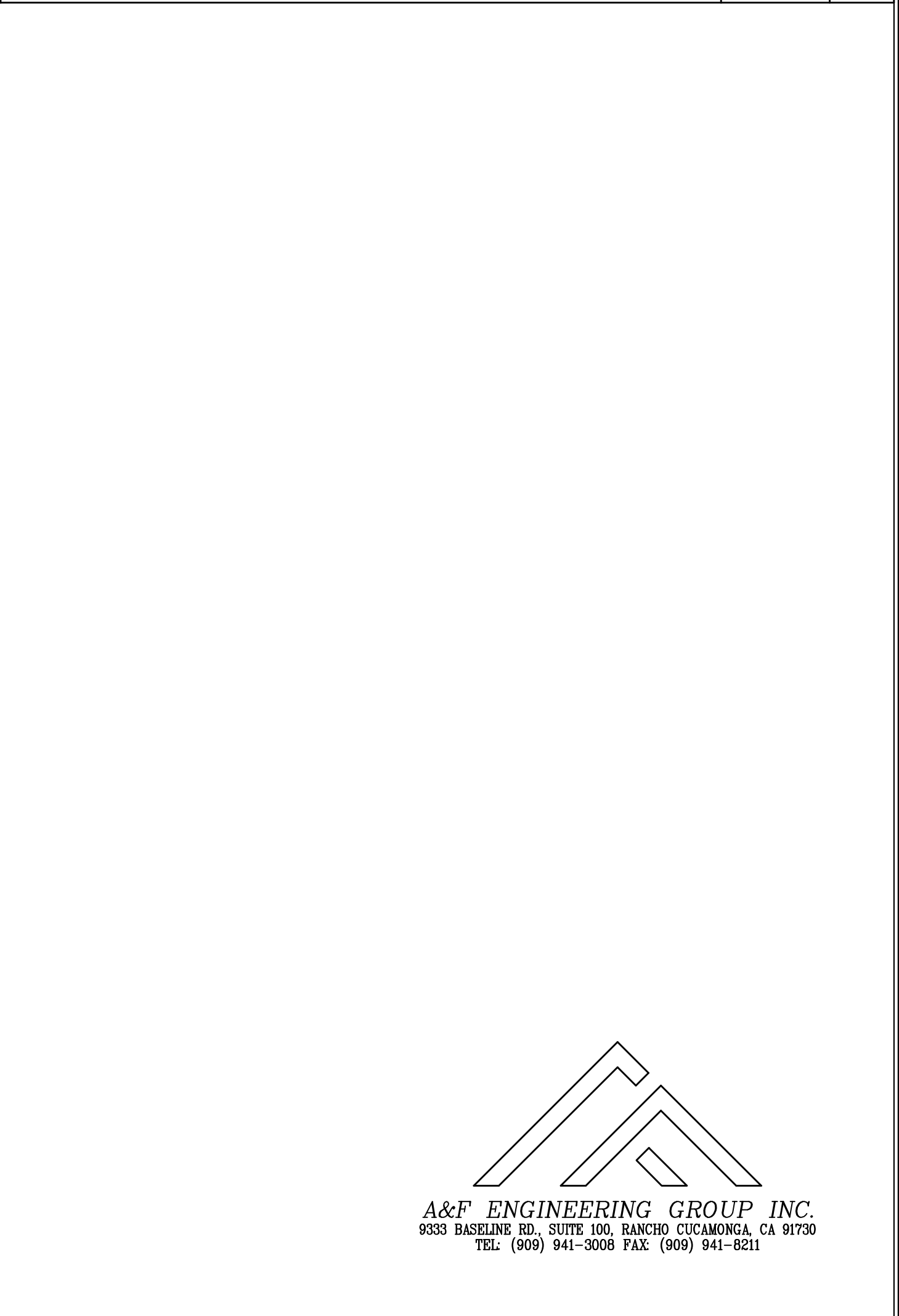
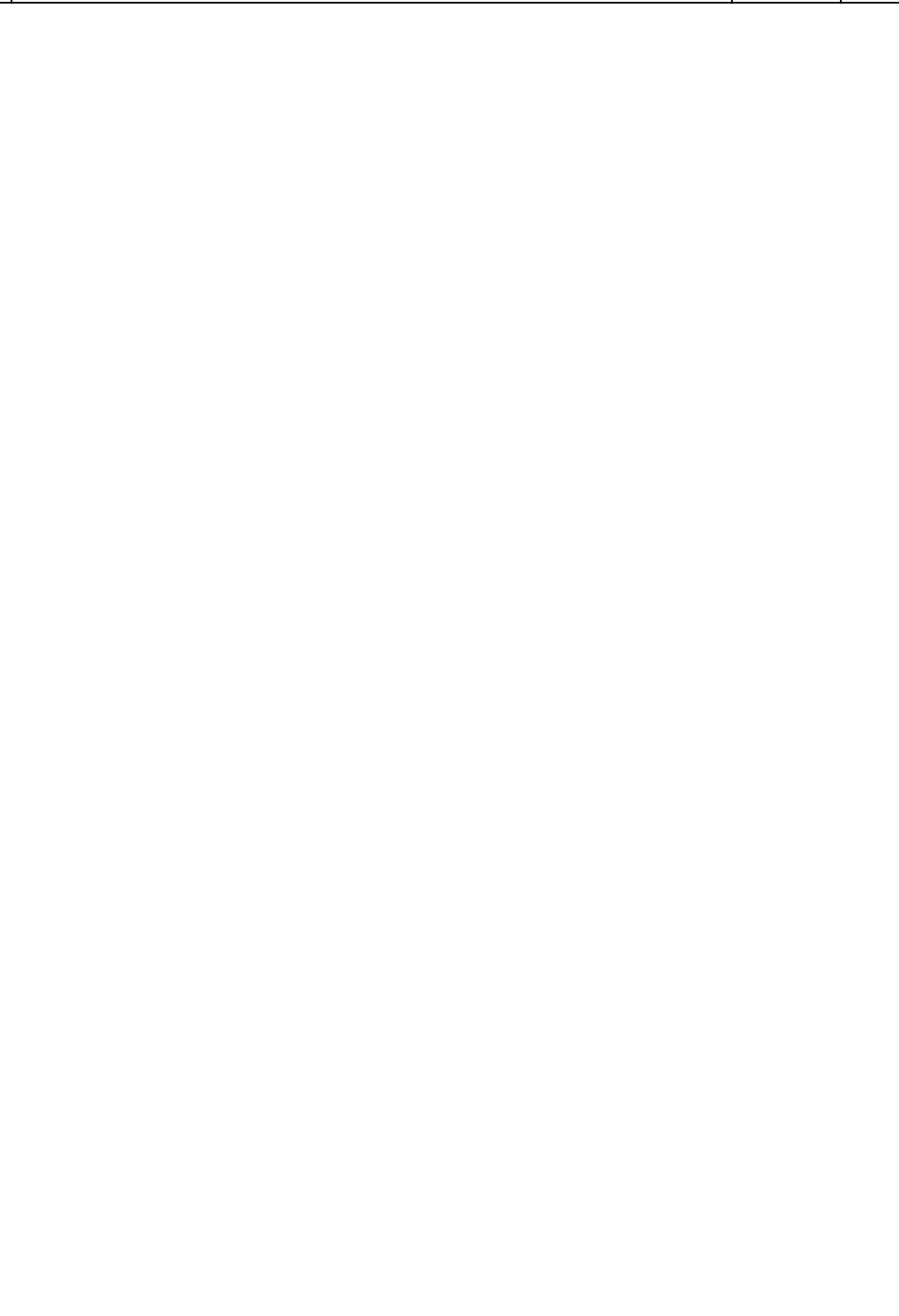


NOT USED SCALE: NONE 5

NOT USED SCALE: NONE 6

NOT USED SCALE: NONE 7

NOT USED SCALE: NONE 8



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Architect's Data:



Architect's Stamp: Consultants Stamp:

PROJECT TITLE
UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL
REBID AUGUST 2020

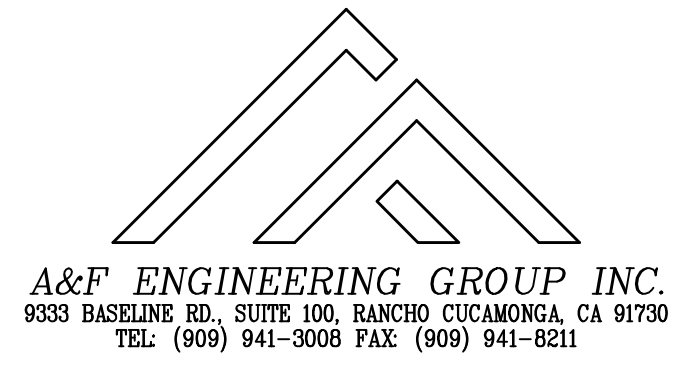
REVISIONS		
REV #	DESCRIPTION	DATE

Consultants Data:

Project Title
UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL

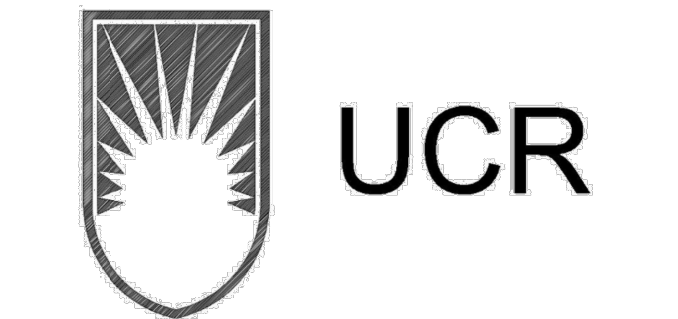
UCR project manager
SCOTT DONNEL

scale AS NOTED	sd approval
Drawn by J.D.	sd approval
Checked by S.C.	cd approval 08/28/20
UCR project no. 957443	construction release
also number	



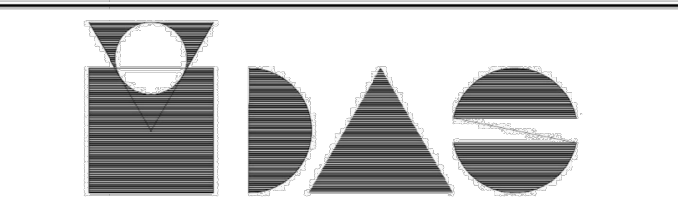
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Drawing Name
ELECTRICAL
DETAILS
Sheet No.
E-003
OF



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Tel: (951) 342-3135 Fax: (951) 342-3137

Architect's Data:



Architect's Stamp: Consultants Stamp:

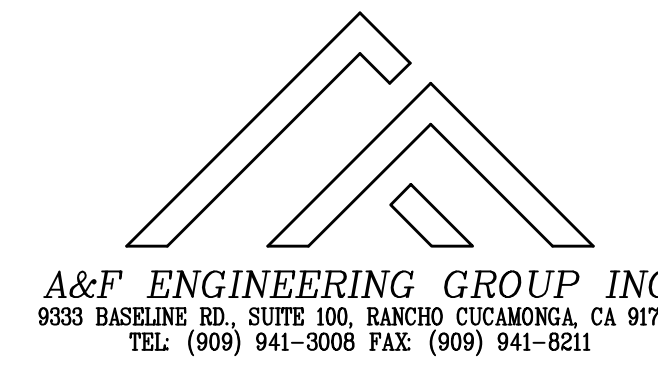
PROJECT TITLE
UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL
REBID AUGUST 2020

Table with 3 columns: REV #, DESCRIPTION, DATE. Header row: REVISIONS

Consultant's Data:
Project Title: UCR DMFI PROJECTS 2019 PHYSICS 2000 RENEWAL

Table with 2 columns: scale, AS NOTED, sd approval. Includes drawing name and date 08/28/20.

Drawing Name: TITLE 24 COMPLIANCE FORMS. Sheet No. E-004 OF



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STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE
Project Name: UCR Physics 2000 Renewal
Report Page: (Page 3 of 7)
Project Address: 900 University Ave
Date Prepared: 5/8/2020

Table with 2 rows: F, G. Columns: 1.2w LED, No, No, 1.2, JAB Lamp, 48, No, 57.6, 533.6

FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)(8) is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment. The permit applicant should enter full rated wattage in column 05.

G. MODULAR LIGHTING SYSTEMS
This section does not apply to this project.

H. INDOOR LIGHTING CONTROLS (Not including PAFs)
This table includes lighting controls for conditioned and unconditioned spaces. When a control having a * is shown, the notes section of this table provides more detail on how compliance is achieved.

Table with 12 columns: 01-12. Rows: Building Level Controls, Area Level Controls. Includes fields for Design Watts, Pass/Fail.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Report Version: 2019.0.001
Schema Version: rev 20190401

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE
Project Name: UCR Physics 2000 Renewal
Report Page: (Page 4 of 7)
Project Address: 900 University Ave
Date Prepared: 5/8/2020

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS
Each area complying using the Complete Building or Area Category Methods per §140.6(a) are included in this table.

Table with 12 columns: 01-12. Rows: Area Description, Complete Building or Area Category Primary Function Area, Area Controls, Multi-Level Controls, Shut-Off Controls, Primary/Sky lit Daylighting, Secondary Daylighting, Interlocked Systems, Field Inspector.

J. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS
This section does not apply to this project.

K. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VALUABLE MERCHANDISE
This section does not apply to this project.

L. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))
This section does not apply to this project.

M. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS
This section does not apply to this project.

N. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS
This section does not apply to this project.

O. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)
This section does not apply to this project.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Report Version: 2019.0.001
Schema Version: rev 20190401

STATE OF CALIFORNIA
Indoor Lighting
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CERTIFICATE OF COMPLIANCE
Project Name: UCR Physics 2000 Renewal
Report Page: (Page 2 of 7)
Project Address: 900 University Ave
Date Prepared: 5/8/2020

Table with 9 columns: 01-09. Rows: Allowed Lighting Power per §140.6(b) (Watts), Adjusted Lighting Power per §140.6(a) (Watts), Compliance Results.

D. ADDITIONAL REMARKS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. INDOOR LIGHTING FIXTURE SCHEDULE
This table includes all permanent designed lighting and all portable lighting in offices.

Table with 10 columns: 01-10. Rows: Name or Item Tag, Complete Luminaire Description, Modular (Track) Fixture, Small Aperture & Color Change, Watts per luminaire, How is Wattage determined, Total Number of Luminaires, Excluded per §140.6(a)(3), Design Watts, Field Inspector.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Report Version: 2019.0.001
Schema Version: rev 20190401

STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE
Project Name: UCR Physics 2000 Renewal
Report Page: (Page 5 of 7)
Project Address: 900 University Ave
Date Prepared: 5/8/2020

P. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS
This section does not apply to this project.

Q. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VALUABLE MERCHANDISE
This section does not apply to this project.

R. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))
This section does not apply to this project.

S. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS
This section does not apply to this project.

T. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS
This section does not apply to this project.

U. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)
This section does not apply to this project.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Report Version: 2019.0.001
Schema Version: rev 20190401

STATE OF CALIFORNIA
Indoor Lighting
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CERTIFICATE OF COMPLIANCE
Project Name: UCR Physics 2000 Renewal
Report Page: (Page 1 of 7)
Project Address: 900 University Ave
Date Prepared: 5/8/2020

Table with 5 columns: 01-05. Rows: Project Location (city), Climate Zone, Occupancy Types Within Project (select all that apply), Office, Retail, Warehouse, High-Rise Residential, Relocatable, Healthcare, School, Support Areas, Other (Write in).

B. PROJECT SCOPE
This table includes any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)(2) for alterations.

Table with 5 columns: 01-05. Rows: Scope of Work, Conditioned Spaces, Unconditioned Spaces.

C. ADDITIONAL REMARKS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

D. INDOOR LIGHTING FIXTURE SCHEDULE
This table includes all permanent designed lighting and all portable lighting in offices.

Table with 10 columns: 01-10. Rows: Name or Item Tag, Complete Luminaire Description, Modular (Track) Fixture, Small Aperture & Color Change, Watts per luminaire, How is Wattage determined, Total Number of Luminaires, Excluded per §140.6(a)(3), Design Watts, Field Inspector.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Report Version: 2019.0.001
Schema Version: rev 20190401

STATE OF CALIFORNIA
Indoor Lighting
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CERTIFICATE OF COMPLIANCE
Project Name: UCR Physics 2000 Renewal
Report Page: (Page 6 of 7)
Project Address: 900 University Ave
Date Prepared: 5/8/2020

H. INDOOR LIGHTING CONTROLS (Not including PAFs)
*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.

Table with 2 columns: 01, 02. Rows: Field Inspector.

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS
Each area complying using the Complete Building or Area Category Methods per §140.6(a) are included in this table.

Table with 6 columns: 01-06. Rows: Area Description, Complete Building or Area Category Primary Function Area, Allowed Density (W/HF), Area (ft²), Allowed Wattage (Watts), Additional Allowance / Adjustment.

J. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM
This section does not apply to this project.

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE
This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY
This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING
This section does not apply to this project.

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Report Version: 2019.0.001
Schema Version: rev 20190401

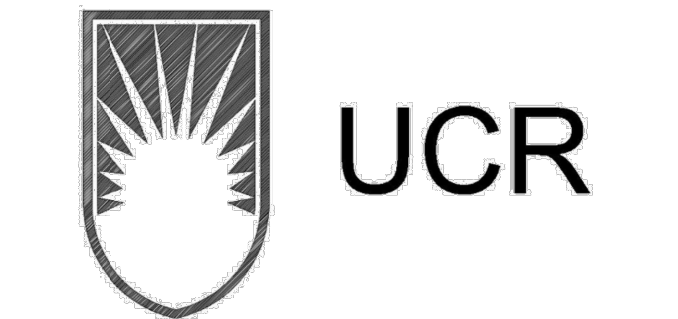
STATE OF CALIFORNIA
Indoor Lighting
CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE
Project Name: UCR Physics 2000 Renewal
Report Page: (Page 7 of 7)
Project Address: 900 University Ave
Date Prepared: 5/8/2020

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:

Responsible Designer Name: Rolando E. Sotelo
Company: A & F Engineering Group, Inc.
Address: 8330 Baseline Rd., Suite C
City/State/Zip: Rancho Cucamonga CA 91701

Registration Number: CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Report Version: 2019.0.001
Schema Version: rev 20190401

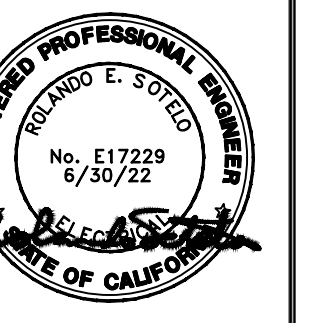


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RIVERSIDE, CA. 92507
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Architect's Data:



Architect's Stamp: Consultants Stamp:

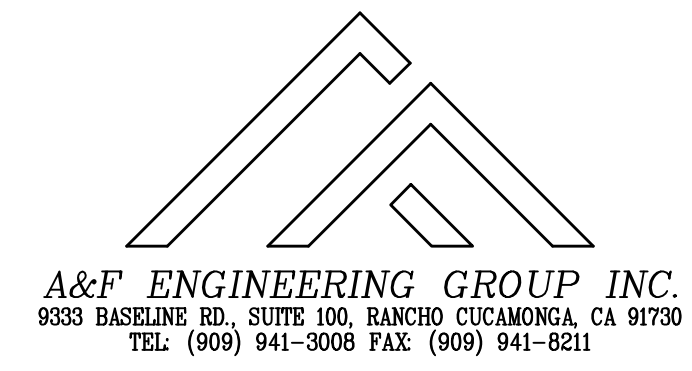
PROJECT TITLE
UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL
REBID AUGUST 2020

Table with 3 columns: REV #, DESCRIPTION, DATE. Title: REVISIONS

Consultants Data:
Project Title: UCR DMFI PROJECTS 2019 PHYSICS 2000 RENEWAL
UCR project manager: SCOTT DONNEL

Table with 4 columns: scale, Drawn by, Checked by, UCR project no. Values: AS NOTED, J.D., S.C., 957443

Drawing Name: TITLE 24 COMPLIANCE FORMS
Sheet No.: E-005 OF



A&F ENGINEERING GROUP INC.
8330 BASILINE RD., SUITE 100, RANCHO CUCUMONGA, CA 91700
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STATE OF CALIFORNIA
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: UCR Physics 2000 Renewal
Report Page: (Page 3 of 7)
Project Address: 900 University Ave
Date Prepared: 5/8/2020

F. OUTDOOR LIGHTING FIXTURE SCHEDULE
Table with columns: D1, D2, D3, D4, D5, D6, D7, D8, D9, D10. Includes fixture description, wattage, and design wattage.

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a status; EXCEPTION 2 to §130.2(c)
FOOTNOTES: Authority Having Jurisdiction may ask for luminaire cut sheets to confirm wattage used for compliance per §130.0(c)
For linear luminaires, wattage should be indicated as W/l instead of Watts/luminaire. Total linear feet should be indicated in column D5 instead of number of luminaires.

G. CUTOFF REQUIREMENTS (BUG)
This section does not apply to this project.

Registration Number:
Registration Date/Time:
Registration Provider: Energysoft
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Report Version: 2019.0.001
Schema Version: rev 20190401
Report Generated: 2020-05-08 14:51:18

STATE OF CALIFORNIA
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: UCR Physics 2000 Renewal
Report Page: (Page 4 of 7)
Project Address: 900 University Ave
Date Prepared: 5/8/2020

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)
This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Table with columns: Yes, No, Field Inspector (Pass, Fail). Includes notes on NRC-LTO-01-E and NRC-LTO-02-E.

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
Table with columns: Yes, No, Field Inspector (Pass, Fail). Includes notes on NRC-LTO-02-A.

Registration Number:
Registration Date/Time:
Registration Provider: Energysoft
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Report Version: 2019.0.001
Schema Version: rev 20190401
Report Generated: 2020-05-08 14:51:18

STATE OF CALIFORNIA
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: UCR Physics 2000 Renewal
Report Page: (Page 2 of 7)
Project Address: 900 University Ave
Date Prepared: 5/8/2020

C. COMPLIANCE RESULTS
Table with columns: O1, O2, O3, O4, O5, O6, O7, O8, O9. Includes calculations for General Hardship Allowance, Per Application, Sales Frontage, Ornamental, Per Specific Area, Existing Power Allowance, Total Allowed, and Total Actual.

D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Registration Number:
Registration Date/Time:
Registration Provider: Energysoft
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Report Version: 2019.0.001
Schema Version: rev 20190401
Report Generated: 2020-05-08 14:51:18

STATE OF CALIFORNIA
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: UCR Physics 2000 Renewal
Report Page: (Page 5 of 7)
Project Address: 900 University Ave
Date Prepared: 5/8/2020

L. LIGHTING POWER ALLOWANCE (per §140.7)
Table with columns: O1, O2, O3, O4, O5, O6, O7, O8, O9, O10. Includes area description, surface type, and wattage calculations.

Table with columns: O2, O3, O4, O5, O6, O7, O8, O9, O10. Includes area description, surface type, and wattage calculations.

I. LIGHTING ALLOWANCE: PER APPLICATION
This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE
This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL
This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA
This section does not apply to this project.

Registration Number:
Registration Date/Time:
Registration Provider: Energysoft
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Report Version: 2019.0.001
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STATE OF CALIFORNIA
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: UCR Physics 2000 Renewal
Report Page: (Page 1 of 7)
Project Address: 900 University Ave
Date Prepared: 5/8/2020

A. GENERAL INFORMATION
Table with columns: O1, O2, O3, O4. Includes project location, climate zone, and outdoor lighting zone.

B. PROJECT SCOPE
This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or §141.0(b)(2) for alterations.

My Project Consists of:
Table with columns: O1, O2, O3, O4, O5. Includes lighting system, altered lighting system, and luminaire calculations.

FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.

Registration Number:
Registration Date/Time:
Registration Provider: Energysoft
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
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STATE OF CALIFORNIA
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: UCR Physics 2000 Renewal
Report Page: (Page 6 of 7)
Project Address: 900 University Ave
Date Prepared: 5/8/2020

H. OUTDOOR LIGHTING CONTROLS
This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.

Mandatory Controls
Table with columns: O1, O2, O3, O4, O5. Includes area description, shut-off, auto-schedule, motion sensor, and field inspector.

* NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
EX: Not permitted by health & safety to be turned off; EXCEPTION 1 to §130.2(c)
Motion Sensing Controls: Luminaires with a maximum rated wattage of 40 watts each are not required to have motion sensing controls; EXCEPTION 1 to Section 130.2(c)(3)

Registration Number:
Registration Date/Time:
Registration Provider: Energysoft
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Report Version: 2019.0.001
Schema Version: rev 20190401
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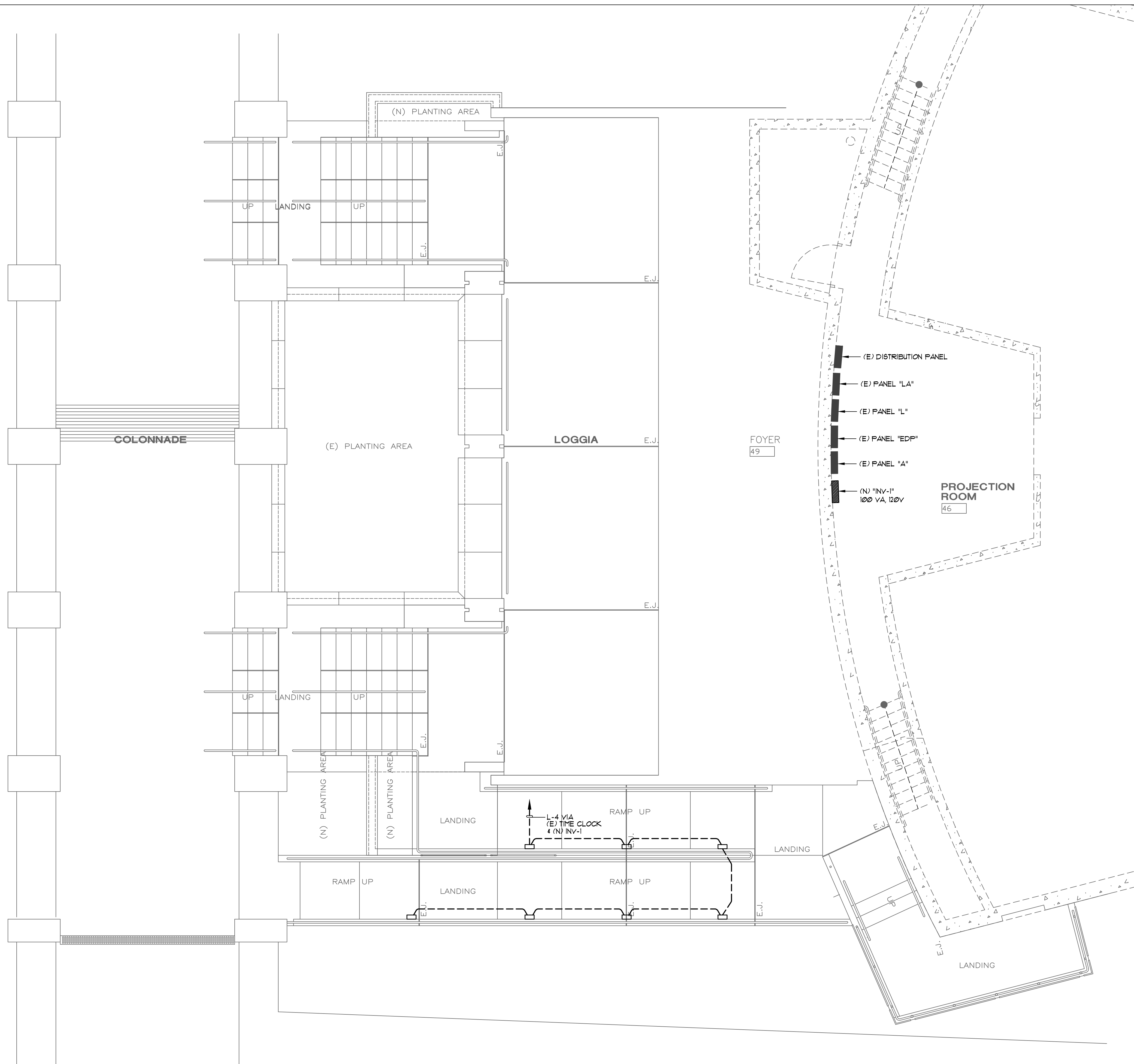
STATE OF CALIFORNIA
Outdoor Lighting
CERTIFICATE OF COMPLIANCE
Project Name: UCR Physics 2000 Renewal
Report Page: (Page 7 of 7)
Project Address: 900 University Ave
Date Prepared: 5/8/2020

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.
Documentation Author Name: Luis E. Flores
Documentation Author Signature:
Company: A&F Engineering Group, Inc.
Address: 8320 Baseline Rd, Suite C
City/State/Zip: Rancho Cucamonga CA 91701

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1, and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) I issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner or occupant.

Responsible Designer Name: Rolando E. Sotelo
Responsible Designer Signature:
Company: A & F Engineering Group, Inc.
Address: 8320 Baseline Rd, Suite C
City/State/Zip: Rancho Cucamonga CA 91701

Registration Number:
Registration Date/Time:
Registration Provider: Energysoft
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance
Report Version: 2019.0.001
Schema Version: rev 20190401
Report Generated: 2020-05-08 14:51:18



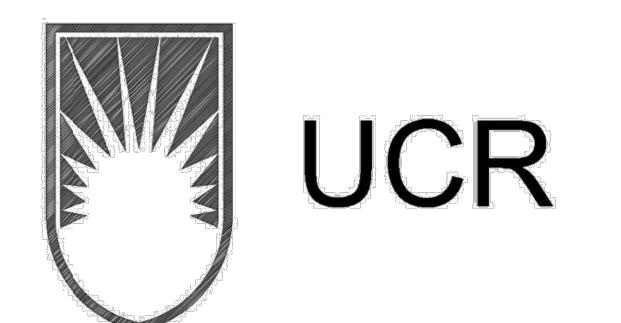
PLAN NOTES:

- ① REFER TO LIGHTING FIXTURE SCHEDULE, DRAWING E001, FOR TYPE OF FIXTURE TO BE PROVIDED AND INSTALLED.
- ② CONDUIT ROUTING INDICATED ON THESE PLANS IS DIAGRAMMATIC. ACTUAL ROUTING OF UNDERGROUND CONDUITS SHALL BE COORDINATED IN THE FIELD TO AVOID INTERFERENCE WITH OTHER UTILITIES AND TRADES.
- ③ IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO MAINTAIN REQUIRED CLEARANCES BETWEEN UNDERGROUND ELECTRICAL CONDUITS AND FOOTINGS. CONDUIT STUB-UPS SHALL NOT BE INSTALLED IN FOOTINGS. EXACT METHOD FOR STUBBING-UP CONDUITS AT FOOTING LOCATIONS SHALL BE COORDINATED IN THE FIELD WITH THE GENERAL CONTRACTOR AND THE ARCHITECT.
- ④ REFER TO DRAWING E001, GENERAL NOTES, FOR ADDITIONAL REQUIREMENTS.
- ⑤ CONTRACTOR TO MEET AND COORDINATE WITH THE TITLE 24 ACCEPTANCE TESTER PRIOR TO THE BEGINNING OF THE PROJECT TO VERIFY ALL TITLE 24 ACCEPTANCE TEST REQUIREMENTS AND DOCUMENTS TO BE COMPLETED. CONTRACTOR SHALL PROVIDE, COMPLETE AND SUBMIT ALL REQUIRED TITLE 24 ACCEPTANCE TEST DOCUMENTS AS REQUIRED BY THE T24 ACCEPTANCE TESTER.

- (E) DISTRIBUTION PANEL
- (E) PANEL "LA"
- (E) PANEL "L"
- (E) PANEL "EDP"
- (E) PANEL "A"
- (N) "INV-1"
100 VA, 120V

SITE PLAN

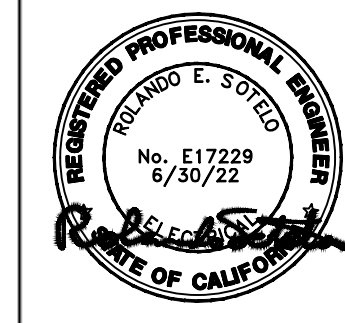
1/4" = 1'-0" **1**



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RIVERSIDE, CA. 92507
TEL: (951) 827-4706 FAX: (951) 827-2402



Architect's Data:



Architect's Stamp: Consultants Stamp:

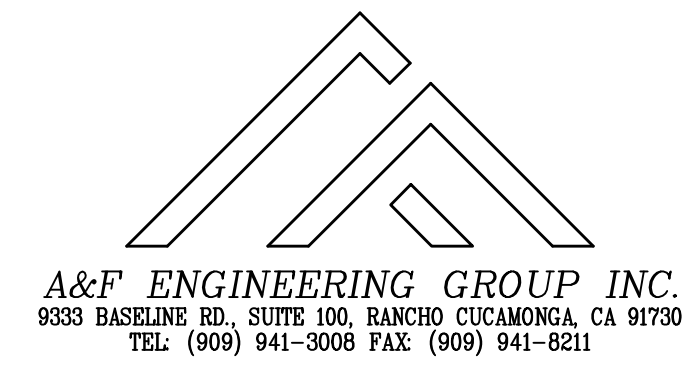
PROJECT TITLE
UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL
REBID AUGUST 2020

REVISIONS		
REV #	DESCRIPTION	DATE

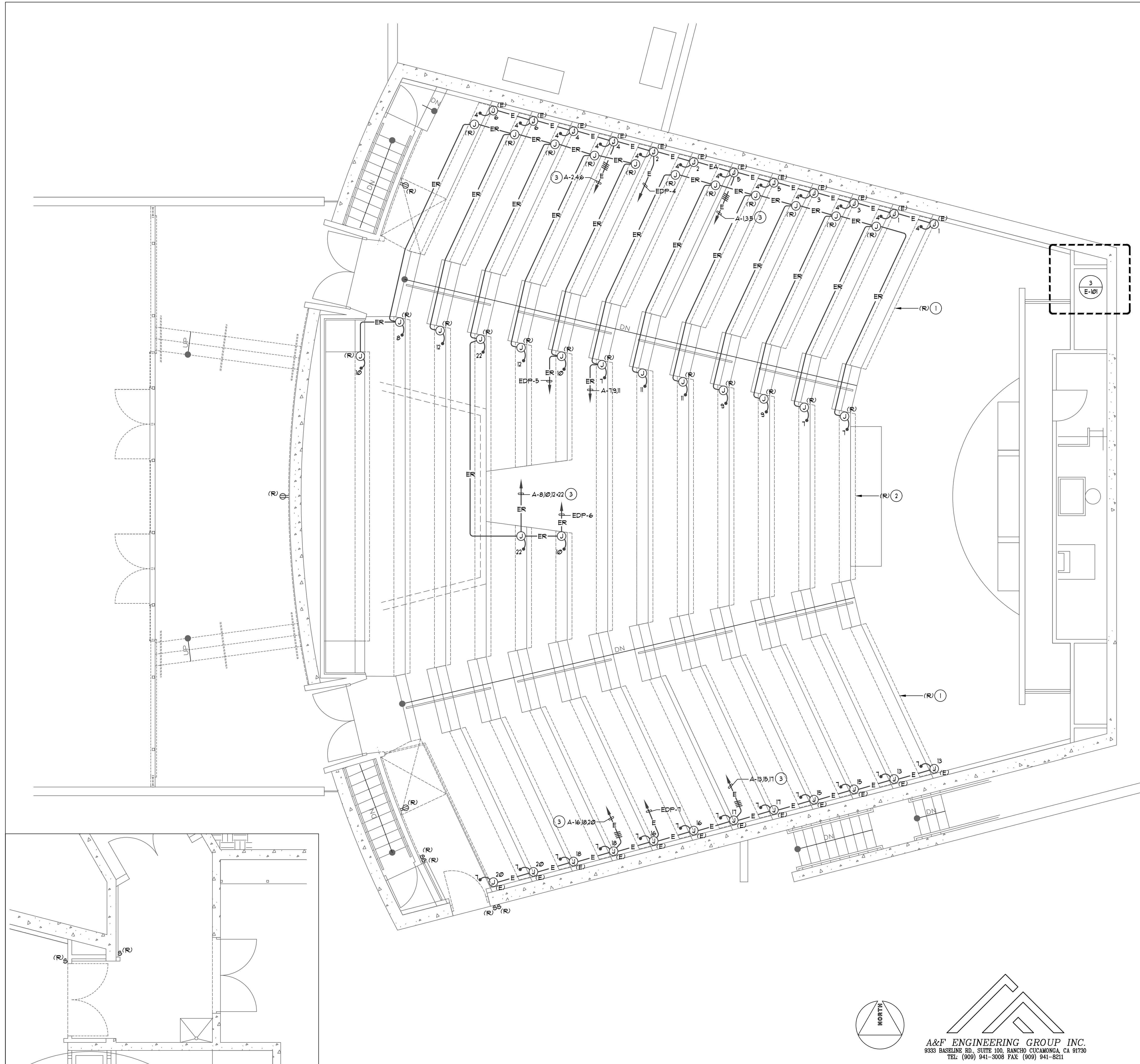
Consultants Data:
Project Title
UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL

UCR project manager
SCOTT DONNEL

scale AS NOTED	sd approval
Drawn by J.D.	sd approval
Checked by S.C.	cd approval 08/28/20
UCR project no. 957443	construction release
iso number	

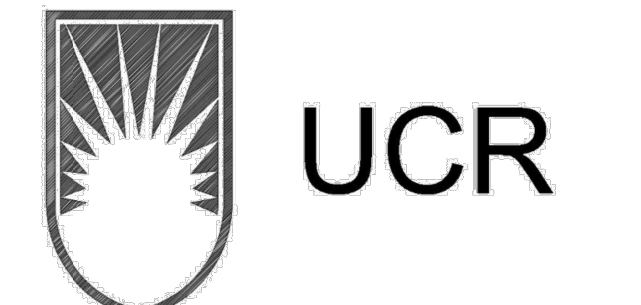
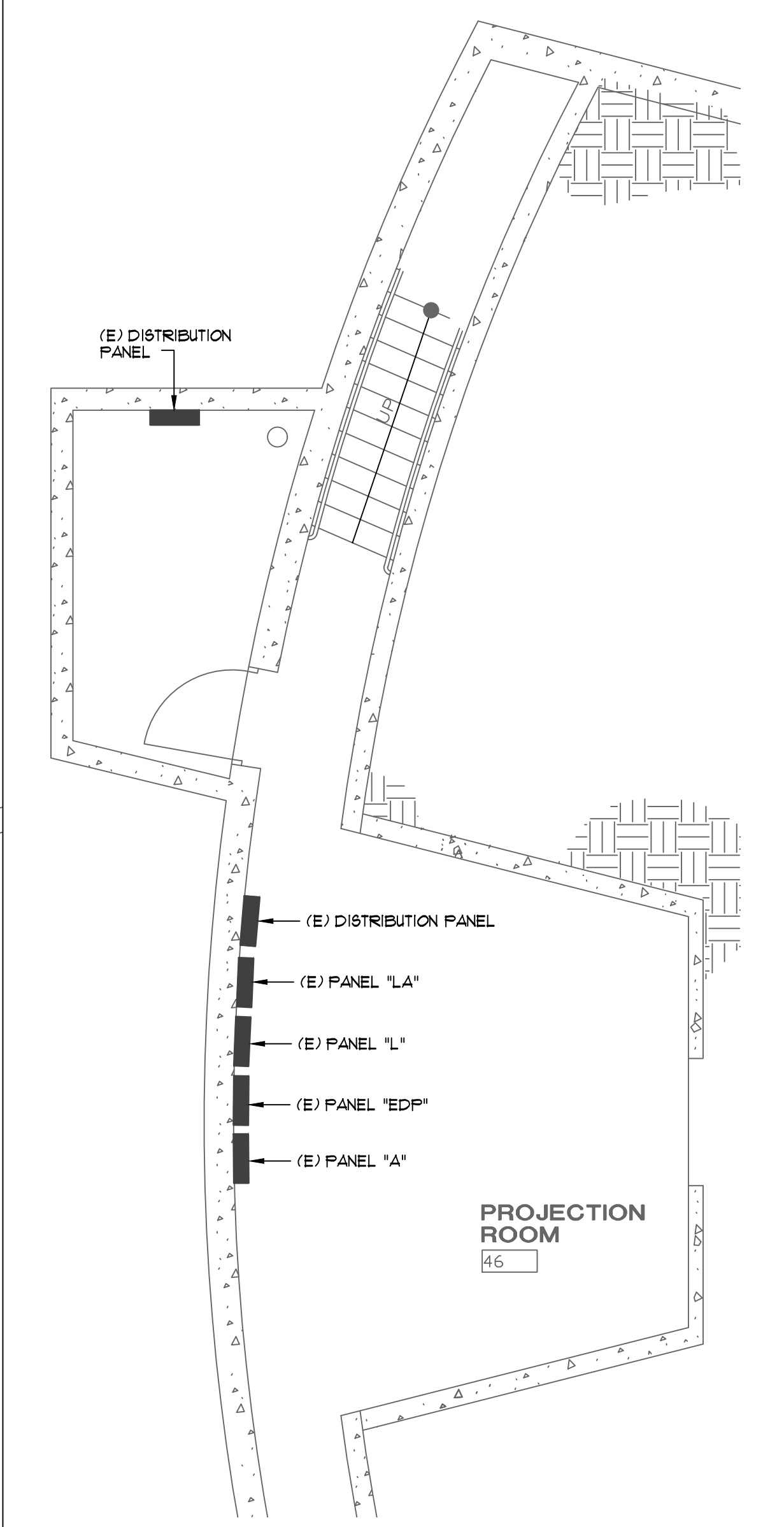


Drawing Name: **SITE PLAN** Sheet No. **E-100**
OF



PLAN NOTES

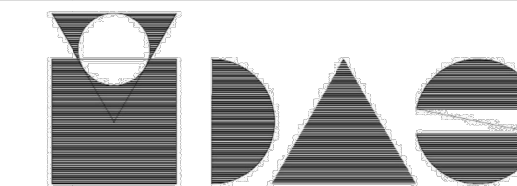
- ① CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING RECEPTACLES/FIXTURES, DISCONNECT AND REMOVE CONDUIT AND CIRCUIT CONDUCTORS BACK TO THE SERVING J-BOX/CONDUIT BODY AT WALL. PROTECT CIRCUIT CONDUCTORS IN PLACE AT THE WALL J-BOX/CONDUIT BODY.
- ② CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING RECEPTACLES/FIXTURES, DISCONNECT AND REMOVE CONDUIT AND CIRCUIT CONDUCTORS BACK TO THE CONDUIT HOME-RUN TO THE SERVING PANEL. PROTECT CIRCUIT CONDUCTORS IN PLACE AT THE CONDUIT HOME-RUN LOCATION. TYPICAL FOR CENTER/MIDDLE SEATING ROWS.
- ③ EXISTING CIRCUITS IDENTIFIED ON PLAN TO REMAIN ARE TO BE RE-USED AND PROVIDE POWER TO THE NEW FURNITURE INDICATED ON THE ARCHITECTURAL PLANS.
- ④ ALL CIRCUITS SERVING THE REMODEL AREA, WHETHER IDENTIFIED ON PLAN OR NOT, SHALL BE TRACED AND IDENTIFIED PRIOR TO START OF THE DEMOLITION PHASE. CIRCUITS AFFECTED BY THE REMODEL THAT SERVE AREAS OF THE BUILDING THAT ARE NOT A PART OF THE REMODEL SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. INTERRUPTION OF SERVICE WILL NOT BE ALLOWED. ALL TRACED CIRCUITS WHICH ARE TO REMAIN IN OPERATION SHALL BE IDENTIFIED ON THE SERVING BRANCH CIRCUIT PANEL DIRECTORY. CONTRACTOR SHALL PROVIDE NEW UPDATED TYPED PANEL DIRECTORIES.
- ⑤ REFER TO REMODEL PLANS FOR ADDITIONAL REQUIREMENTS.
- ⑥ REFER TO GENERAL NOTES AND DEMOLITION NOTES, SHEET E-01, FOR ADDITIONAL REQUIREMENTS.



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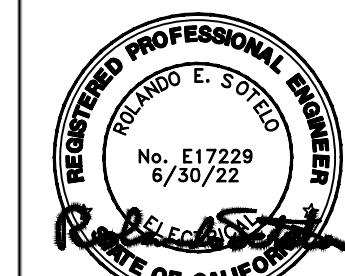
OFFICE OF ARCHITECTS & ENGINEERS

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RIVERSIDE, CA. 92507
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Institutional Designs & Architectural Services
8903 10th Street, Riverside, CA. 92501-3521
Tel: (951) 342-3135 Fax: (951) 342-3137

Architect's Data:



Architect's Stamp:

Consultants Stamp:

PROJECT TITLE
UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL
REBID AUGUST 2020

REVISIONS		
REV #	DESCRIPTION	DATE

Consultants Data:

Project Title
UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL

UCR project manager
SCOTT DONNEL

Scale AS NOTED	sd approval
Drawn by J.D.	sd approval
Checked by S.C.	cd approval 08/28/20
UCR project no. 957443	construction release
also number	

Drawing Name
1ST FLOOR DEMO. PLAN
 Sheet No.
E-101
 OF

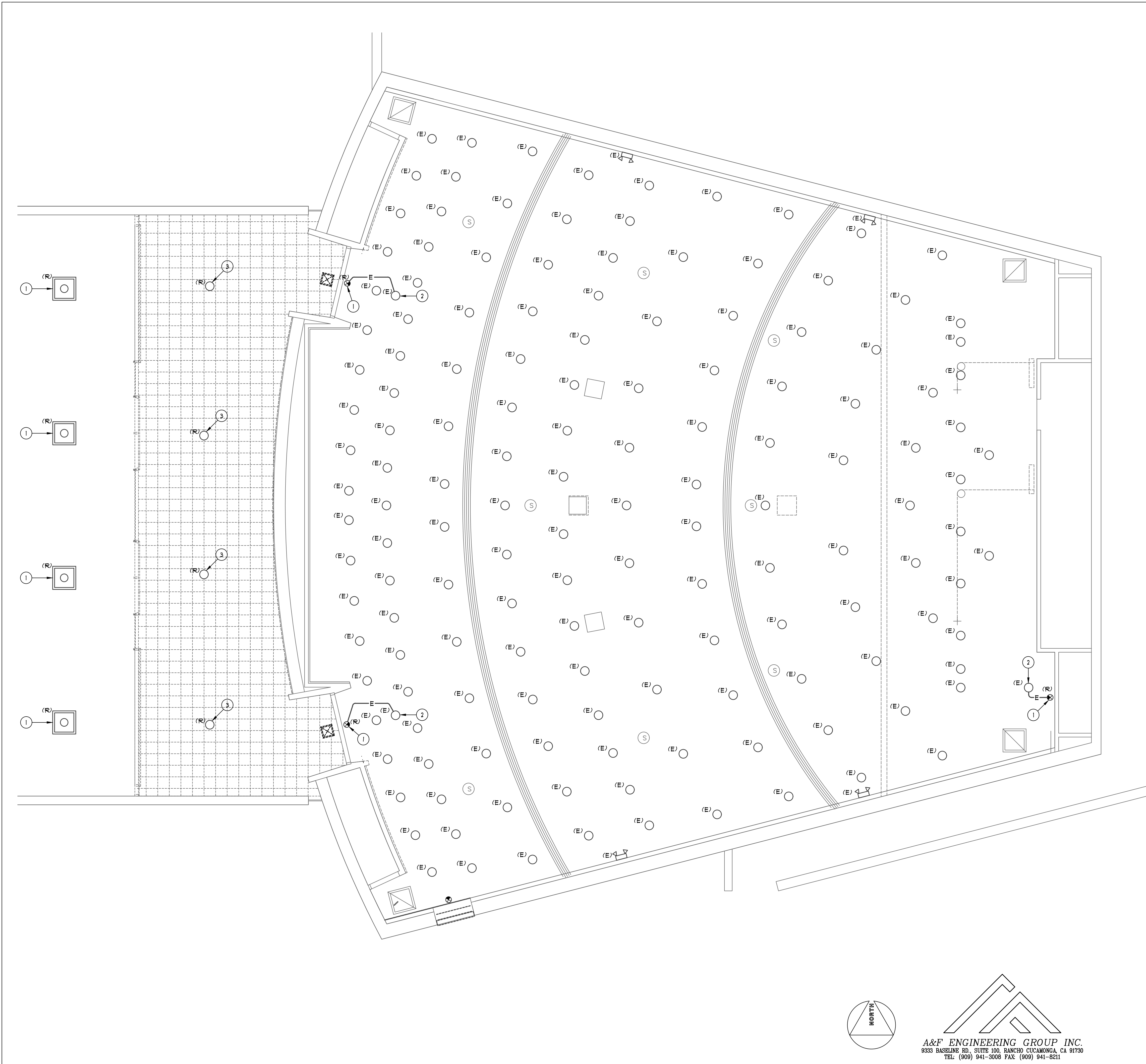
ENLARGED AUTO. DOOR 1/4" = 1'-0" 3

1ST FLOOR DEMO. PLAN

1/4" = 1'-0" 1

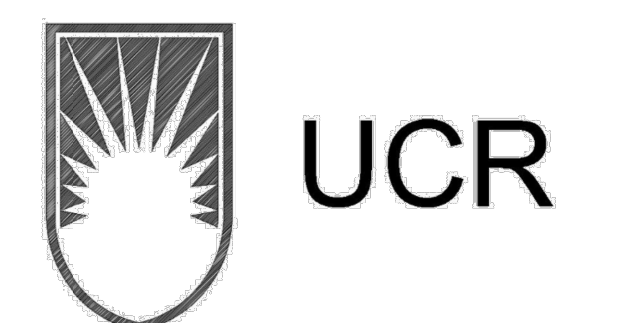
BASEMENT DEMO PLAN 1/4" = 1'-0" 2

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PLAN NOTES

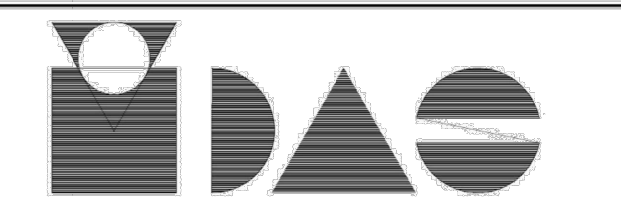
- 1 CONTRACTOR SHALL DISCONNECT AND REMOVE LIGHT FIXTURE ONLY. EXISTING BACK-BOX/OUTLET BOX TO BE RE-USED TO SERVE THE NEW LIGHT FIXTURES. EXISTING CIRCUIT/CONTROL CONDUCTORS ARE TO BE PROTECTED IN PLACE.
- 2 EXISTING NIGHT-LIGHT (ALWAYS ON) CIRCUIT TO BE USED TO PROVIDE TO THE NEW EMERGENCY LIGHT FIXTURES.
- 3 CONTRACTOR SHALL DISCONNECT AND REMOVE EXISTING LIGHT FIXTURE, CONDUIT AND CIRCUIT CONDUCTORS BACK TO THE SERVING PANEL OR LAST REMAINING FIXTURE ON THE CIRCUIT.
- 4 ALL CIRCUITS SERVING THE REMODEL AREA, WHETHER IDENTIFIED ON PLAN OR NOT, SHALL BE TRACED AND IDENTIFIED PRIOR TO START OF THE DEMOLITION PHASE. CIRCUITS AFFECTED BY THE REMODEL THAT SERVE AREAS OF THE BUILDING THAT ARE NOT A PART OF THE REMODEL SHALL BE MAINTAINED IN OPERATION DURING THE CONSTRUCTION PHASE. INTERRUPTION OF SERVICE WILL NOT BE ALLOWED. ALL TRACED CIRCUITS WHICH ARE TO REMAIN IN OPERATION SHALL BE IDENTIFIED ON THE SERVING BRANCH CIRCUIT PANEL DIRECTORY. CONTRACTOR SHALL PROVIDE NEW UPDATED TYPED PANEL DIRECTORIES.
- 5 REFER TO REMODEL PLANS FOR ADDITIONAL REQUIREMENTS.
- 6 REFER TO GENERAL NOTES AND DEMOLITION NOTES, SHEET E-01, FOR ADDITIONAL REQUIREMENTS.



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8903 10th Street, Riverside, CA 92501-3521
Tel: (951) 342-3135 Fax: (951) 342-3137

Architect's Data:



Architect's Stamp:

Consultants Stamp:

PROJECT TITLE
UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL
REBID AUGUST 2020

REVISIONS		
REV #	DESCRIPTION	DATE

Consultants Data:

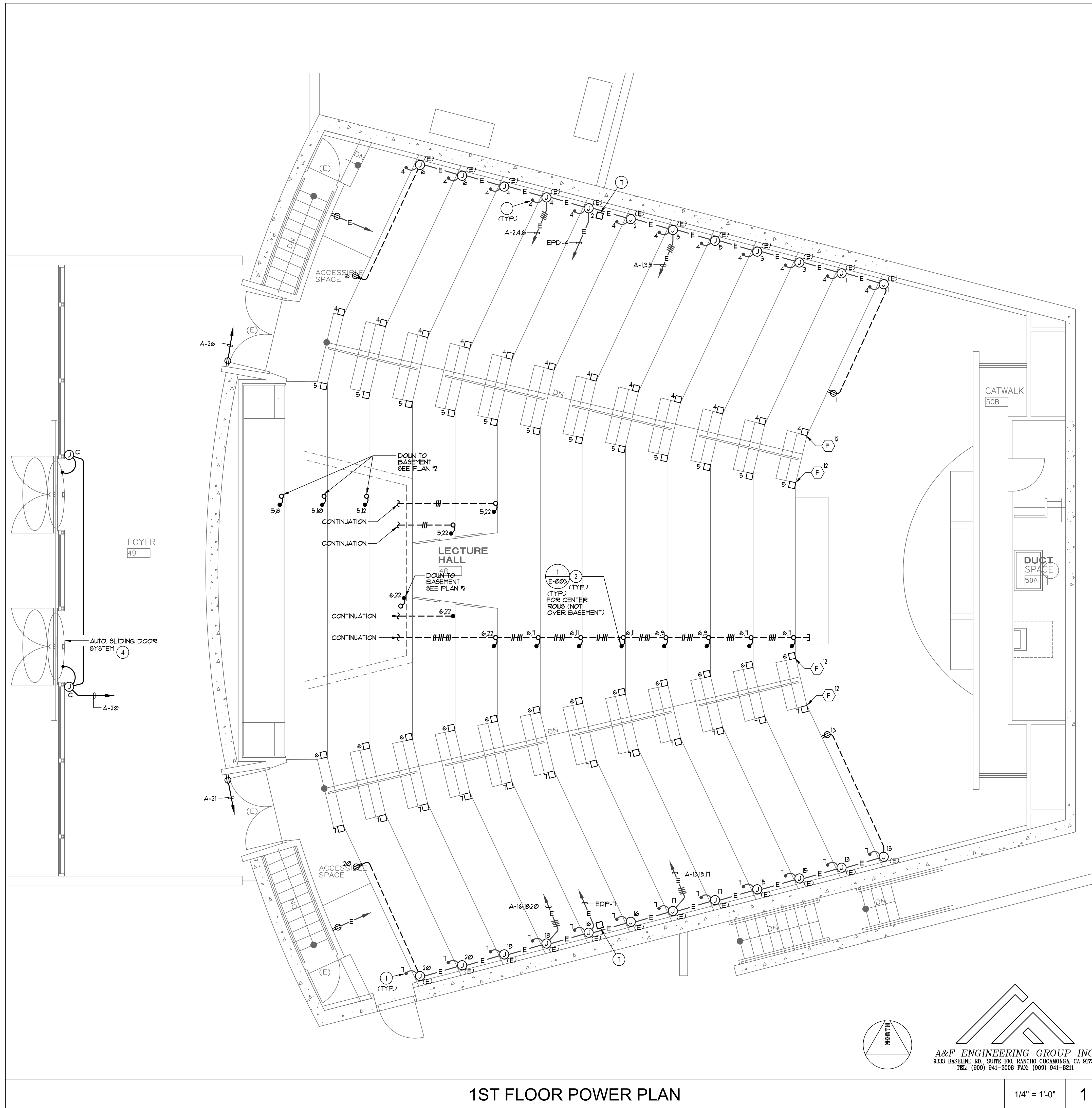
Project Title
UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL

UCR project manager SCOTT DONNEL	
scale AS NOTED	sd approval
Drawn by J.D.	sd approval
Checked by S.C.	cd approval 08/28/20
UCR project no. 957443	construction release
iso number	

Drawing Name
1ST FLOOR DEMO. LIGHTING PLAN

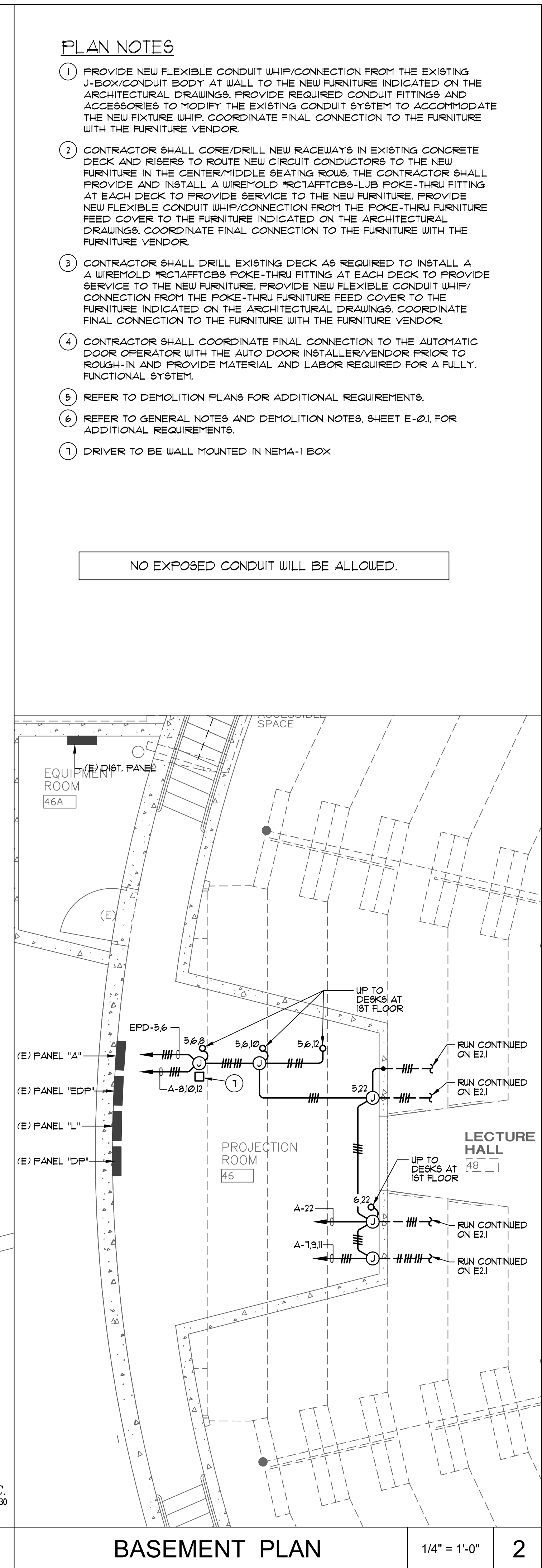
Sheet No.
E-102
 OF

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1ST FLOOR POWER PLAN

1/4" = 1'-0" 1



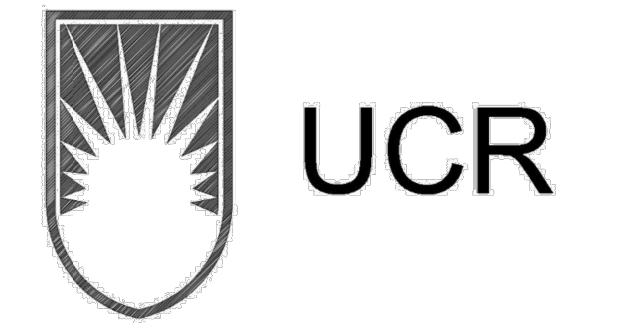
BASEMENT PLAN

1/4" = 1'-0" 2

PLAN NOTES

- 1 PROVIDE NEW FLEXIBLE CONDUIT WHIP/CONNECTION FROM THE EXISTING J-BOX/CONDUIT BODY AT WALL TO THE NEW FURNITURE INDICATED ON THE ARCHITECTURAL DRAWINGS. PROVIDE REQUIRED CONDUIT FITTINGS AND ACCESSORIES TO MODIFY THE EXISTING CONDUIT SYSTEM TO ACCOMMODATE THE NEW FURNITURE WHIP. COORDINATE FINAL CONNECTION TO THE FURNITURE WITH THE FURNITURE VENDOR.
- 2 CONTRACTOR SHALL CORE/DRILL NEW RACEWAYS IN EXISTING CONCRETE DECK AND RISERS TO ROUTE NEW CIRCUIT CONDUCTORS TO THE NEW FURNITURE IN THE CENTER/MIDDLE SEATING ROWS. THE CONTRACTOR SHALL PROVIDE AND INSTALL A WIREMOLD PROTECTORS-LJJB FOLK-THRU FITTING AT EACH DECK TO PROVIDE SERVICE TO THE NEW FURNITURE. PROVIDE NEW FLEXIBLE CONDUIT WHIP/CONNECTION FROM THE FOLK-THRU FURNITURE FEED COVER TO THE FURNITURE INDICATED ON THE ARCHITECTURAL DRAWINGS. COORDINATE FINAL CONNECTION TO THE FURNITURE WITH THE FURNITURE VENDOR.
- 3 CONTRACTOR SHALL DRILL EXISTING DECK AS REQUIRED TO INSTALL A WIREMOLD PROTECTORS FOLK-THRU FITTING AT EACH DECK TO PROVIDE SERVICE TO THE NEW FURNITURE. PROVIDE NEW FLEXIBLE CONDUIT WHIP/CONNECTION FROM THE FOLK-THRU FURNITURE FEED COVER TO THE FURNITURE INDICATED ON THE ARCHITECTURAL DRAWINGS. COORDINATE FINAL CONNECTION TO THE FURNITURE WITH THE FURNITURE VENDOR.
- 4 CONTRACTOR SHALL COORDINATE FINAL CONNECTION TO THE AUTOMATIC DOOR OPERATOR WITH THE AUTO DOOR INSTALLER/VENDOR PRIOR TO ROUGH-IN AND PROVIDE MATERIAL AND LABOR REQUIRED FOR A FULLY FUNCTIONAL SYSTEM.
- 5 REFER TO DEMOLITION PLANS FOR ADDITIONAL REQUIREMENTS.
- 6 REFER TO GENERAL NOTES AND DEMOLITION NOTES, SHEET E-01, FOR ADDITIONAL REQUIREMENTS.
- 7 DRIVER TO BE WALL MOUNTED IN NEMA-1 BOX

NO EXPOSED CONDUIT WILL BE ALLOWED.



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Institutional Designs & Architectural Services
 3903 10th Street, Riverside, CA. 92501-3521
 Tel: (951) 342-3135 Fax: (951) 342-3137
 Architect's Data:
 CONSULTANT PROFESSIONAL ENGINEER
 No. E17229
 6/30/22
 STATE OF CALIFORNIA
 Architect's Stamp: Consultants Stamp:

PROJECT TITLE
UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL
REBID AUGUST 2020

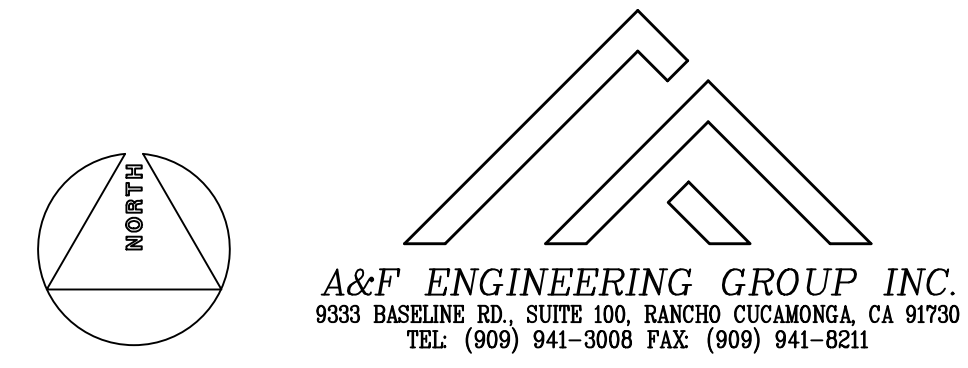
REVISIONS

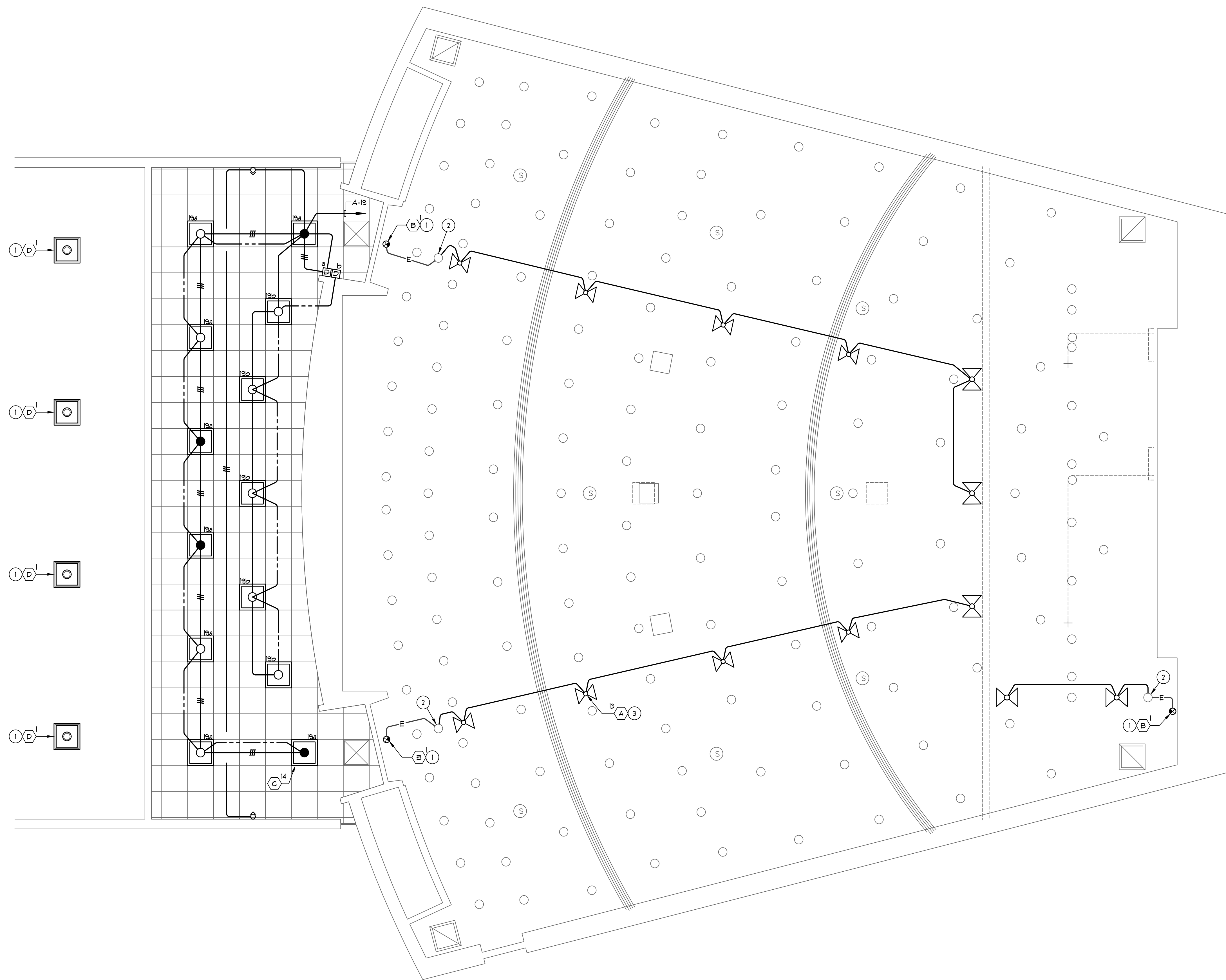
REV #	DESCRIPTION	DATE

Consultants Data:

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UCR project manager SCOTT DONNEL	
scale AS NOTED	sd approval
Drawn by J.D.	sd approval
Checked by S.C.	cd approval 08/28/20
UCR project no. 957443	construction release
iso number	

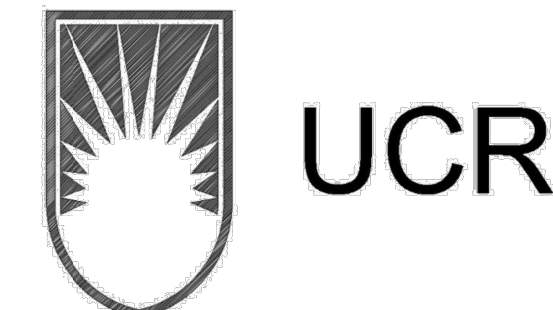
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POWER PLAN
Sheet No.
E-201
OF





PLAN NOTES

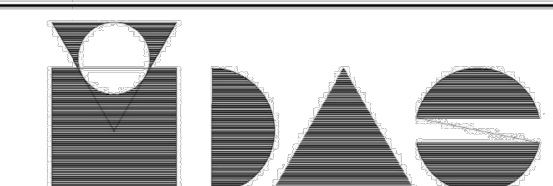
- ① NEW LIGHT FIXTURE IN PLACE OR REMOVED LIGHT FIXTURE. CONNECT NEW LIGHT FIXTURE TO EXISTING BACK-BOX AND CIRCUIT CONDUCTORS. PATCH, REPAIR AND RE-FINISH CEILING AS DIRECTED BY THE ARCHITECT.
- ② EXTEND NEW CONDUIT AND CIRCUIT CONDUCTORS FROM EXISTING NIGHT-LIGHT FIXTURE TO THE NEW EMERGENCY LIGHT FIXTURES.
- ③ COORDINATE EXACT LOCATION OF THE NEW EMERGENCY LIGHT FIXTURES PRIOR TO ROUGH-IN TO AVOID INTERFERENCE WITH EXISTING CEILING MOUNTED LIGHT FIXTURES, DEVICES AND UTILITIES.
- ④ REFER TO DEMOLITION PLANS FOR ADDITIONAL REQUIREMENTS.
- ⑤ REFER TO GENERAL NOTES AND DEMOLITION NOTES, SHEET E-01, FOR ADDITIONAL REQUIREMENTS.



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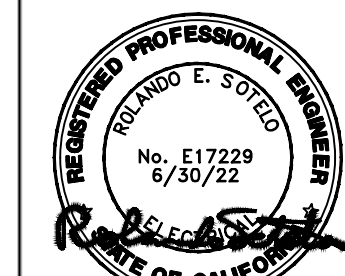
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3903 10th Street, Riverside, CA 92501-3521
Tel: (951) 342-3135 Fax: (951) 342-3137

Architect's Data:



Architect's Stamp:

Consultants Stamp:

PROJECT TITLE
UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL
REBID AUGUST 2020

REVISIONS

REV #	DESCRIPTION	DATE

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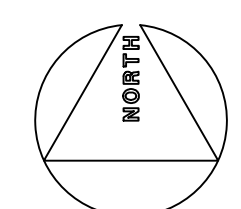
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UCR
DMFI PROJECTS 2019
PHYSICS 2000 RENEWAL

UCR project manager
SCOTT DONNEL

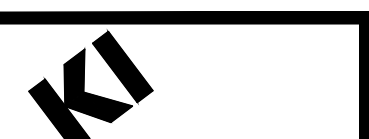
scale AS NOTED	sd approval
Drawn by J.D.	sd approval
Checked by S.C.	cd approval
UCR project no. 957443	construction release 08/28/20
iso number	

Drawing Name
1ST FLOOR LIGHTING PLAN

Sheet No.
E-202
OF

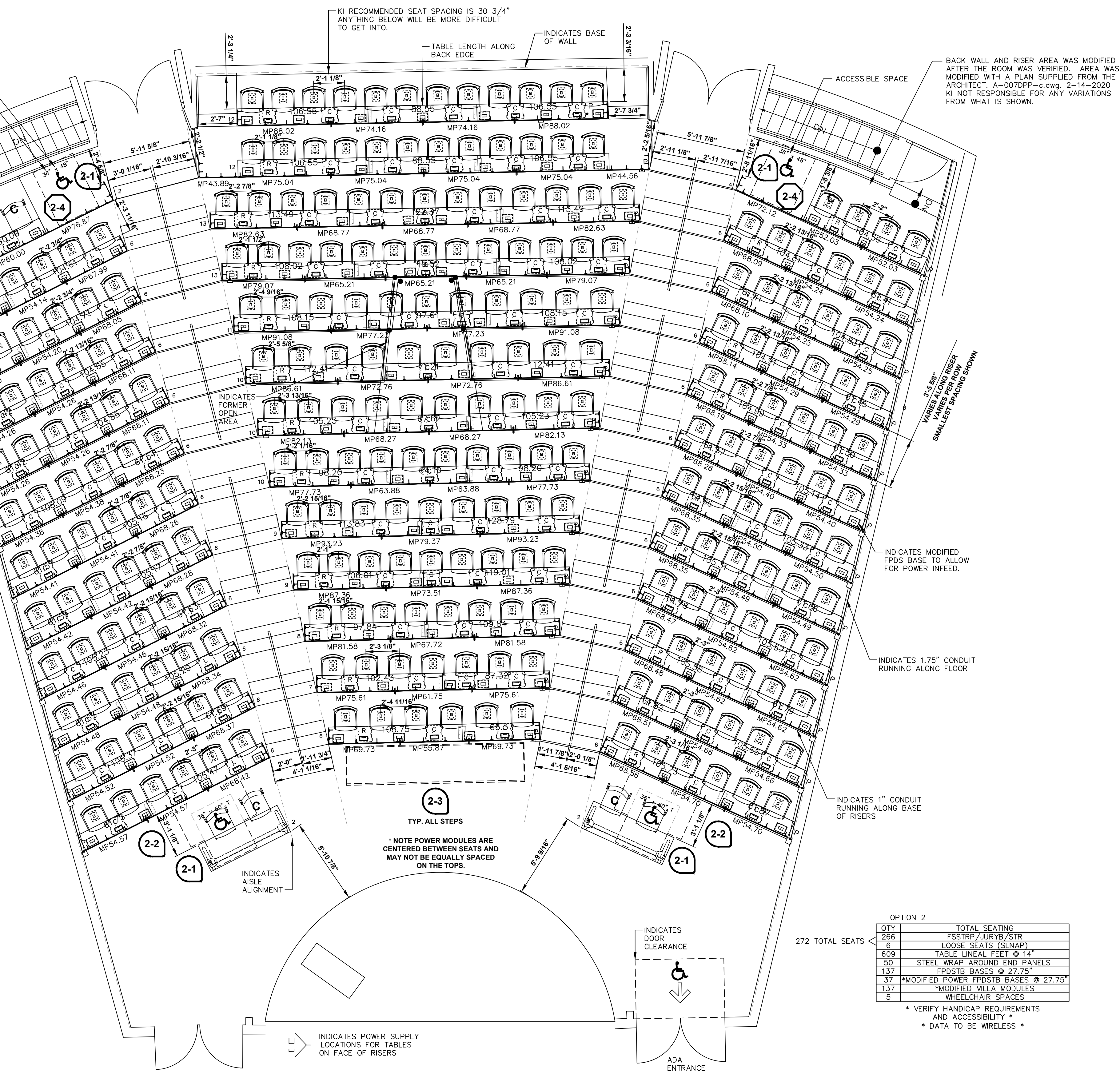


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BACK WALL AND RISER AREA WAS MODIFIED AFTER THE ROOM WAS VERIFIED. AREA WAS MODIFIED WITH A PLAN SUPPLIED FROM THE ARCHITECT. KI NOT RESPONSIBLE FOR ANY VARIATIONS FROM WHAT IS SHOWN.

PLEASE VERIFY IF THE FLOOR OF THIS ACCESSIBLE ROW IS ALL ON THE SAME LEVEL.



OPTION 2

272 TOTAL SEATS	TOTAL SEATING
6	STRIVE SHELLS (ODD ROWS)
6	STRIVE SHELLS (EVEN ROWS)
6	WORK SURFACES
50	MODIFIED POWER FPD/S BASES @ 27.75"
137	MODIFIED VILLA MODULES
5	WHEELCHAIR SPACES

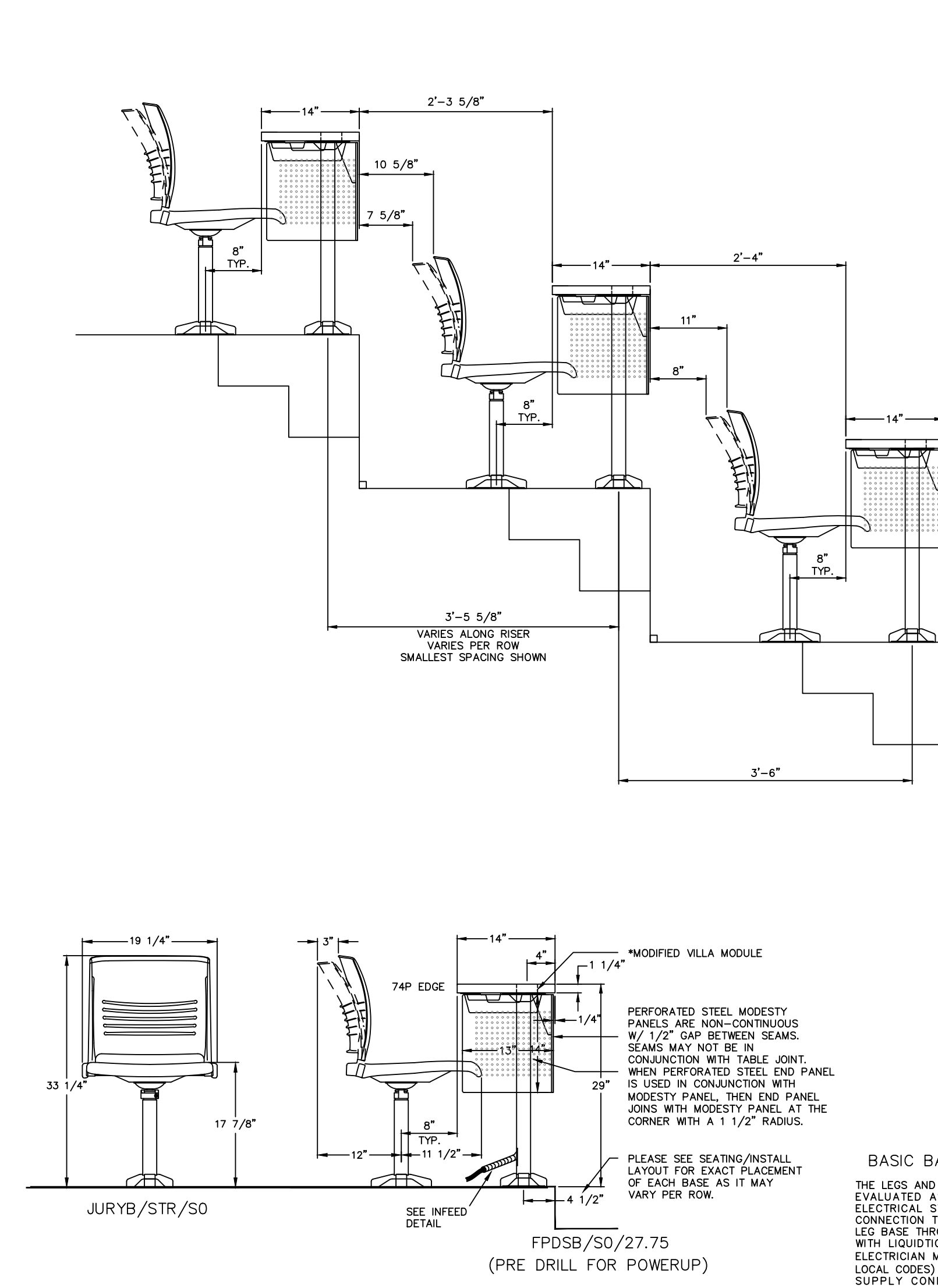
• VERIFY HANDICAP REQUIREMENTS AND ACCESSIBILITY
• DATA TO BE WIRELESS

SEATING LAYOUT - OPTION 2

1/4" = 1'-0"

FINISH SCHEDULE - CLASSROOM 2000 - OPTION 2

COMPONENT	MATERIAL	COLOR	CODE
STRIVE SHELL - ODD ROWS	POLY	SAND	PSA
STRIVE SHELL - EVEN ROWS	POLY	MORING	PCD
WORK SURFACE	LAMINATE	FLAX LINEN	LFX
WORK SURFACE EDGE	PVC FREE (74P)	MISTY BROWN	EM7
MODESTY PANEL	CONTINUOUS LAMINATE	FLAX LINEN	LFX
MODESTY PANEL EDGE	PVC FREE (74P)	MISTY BROWN	EM7
BASE / FRAME	POWERGRAY PAINT	MISTY BROWN	MY
POWER MODULE	MODIFIED - VILLA POWERUP MODULE	MISTY BROWN	MY



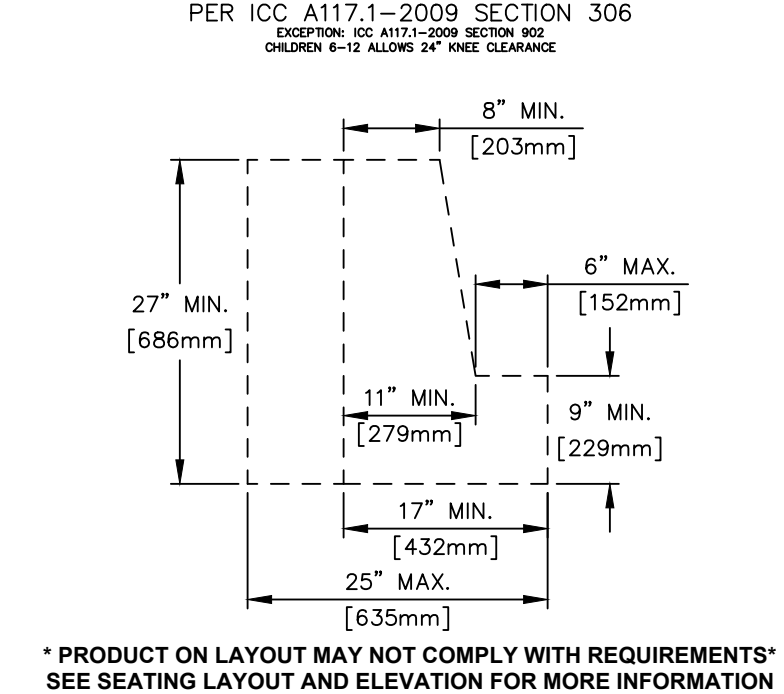
ELEVATION - OPTION 2

3/4" = 1'-0"

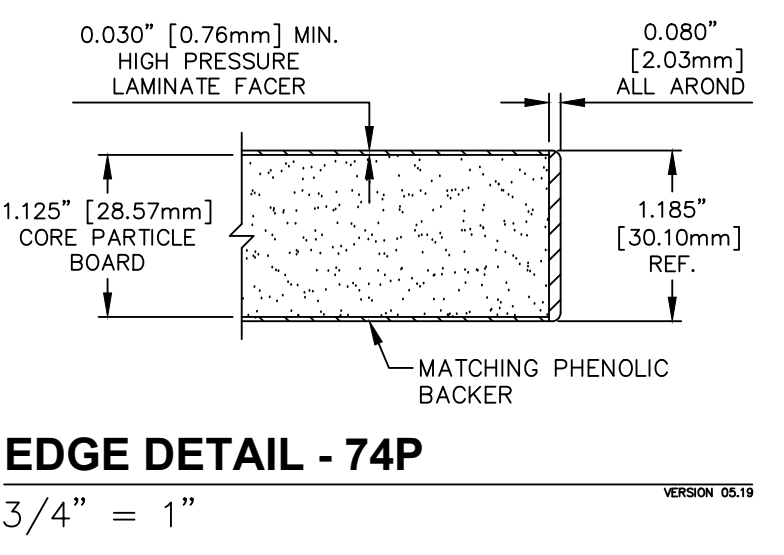
3D SAMPLE - OPTION 2

3/4" = 1'-0"

ADA KNEE AND TOE CLEARANCE



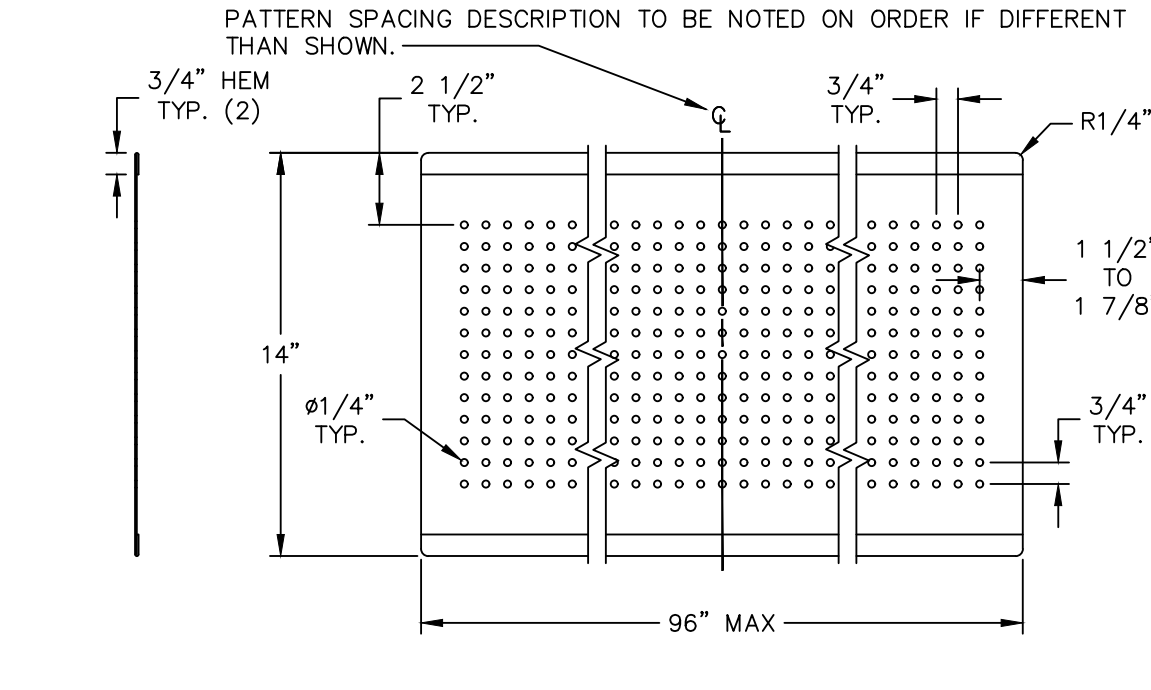
PER ICC 117.1-2009 SECTION 306



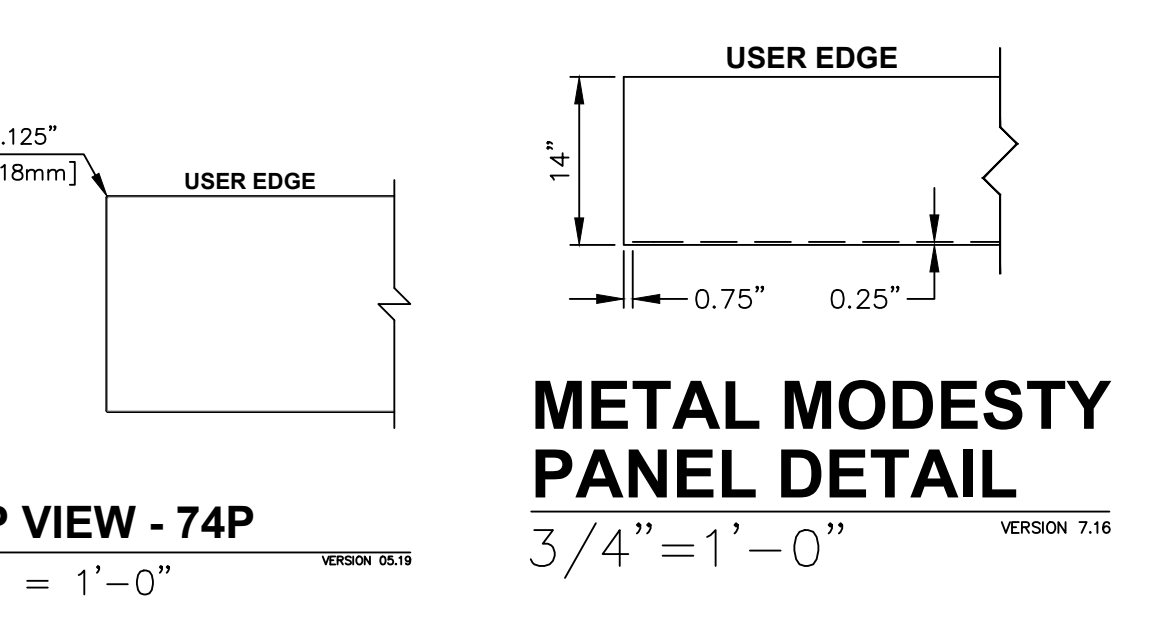
EDGE DETAIL - 74P

PERFORATED STEEL MODESTY PANEL

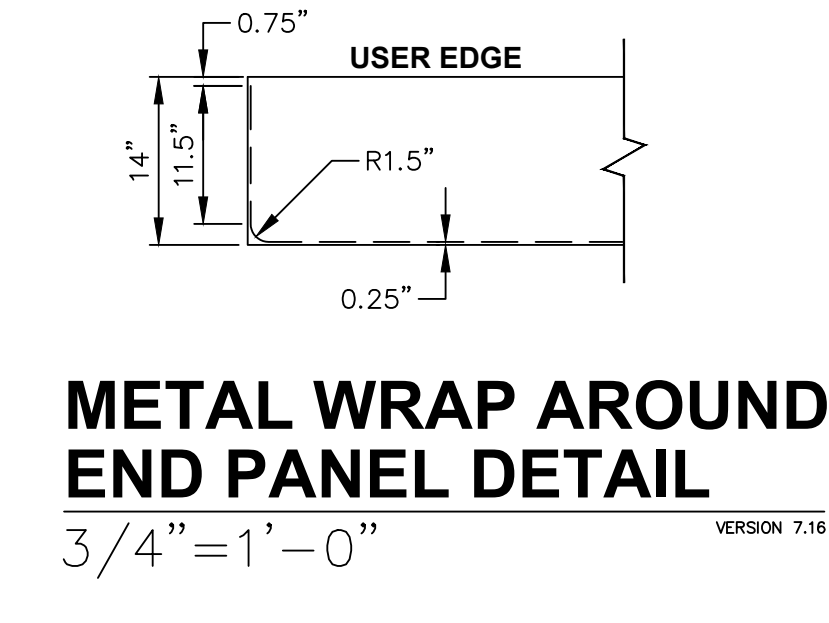
PATTERN TO START ON CENTERLINE OR 1/2 THE SPACING DISTANCE OFF CENTER TO ALLOW A MINIMUM AMOUNT OF VARIANCE ON THE END DIM.



PATTERN SPACING DESCRIPTION TO BE NOTED ON ORDER IF DIFFERENT THAN SHOWN.

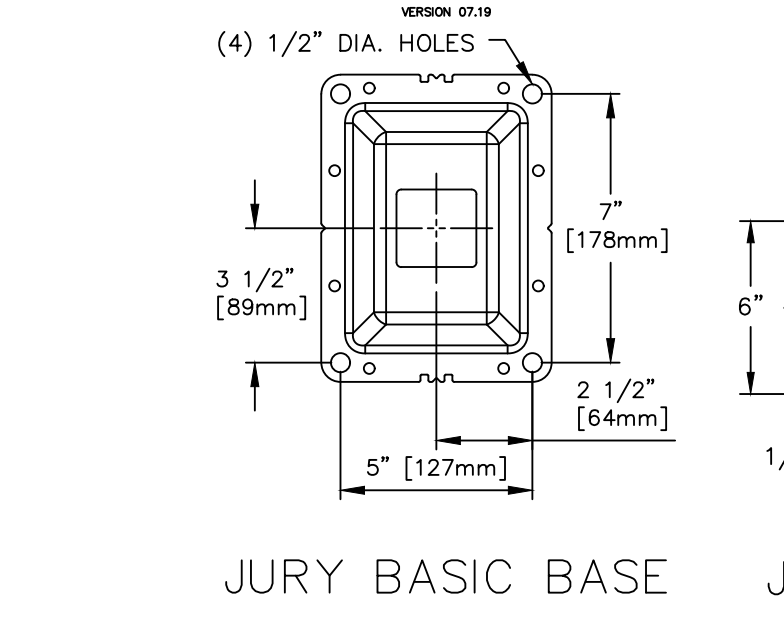


TOP VIEW - 74P



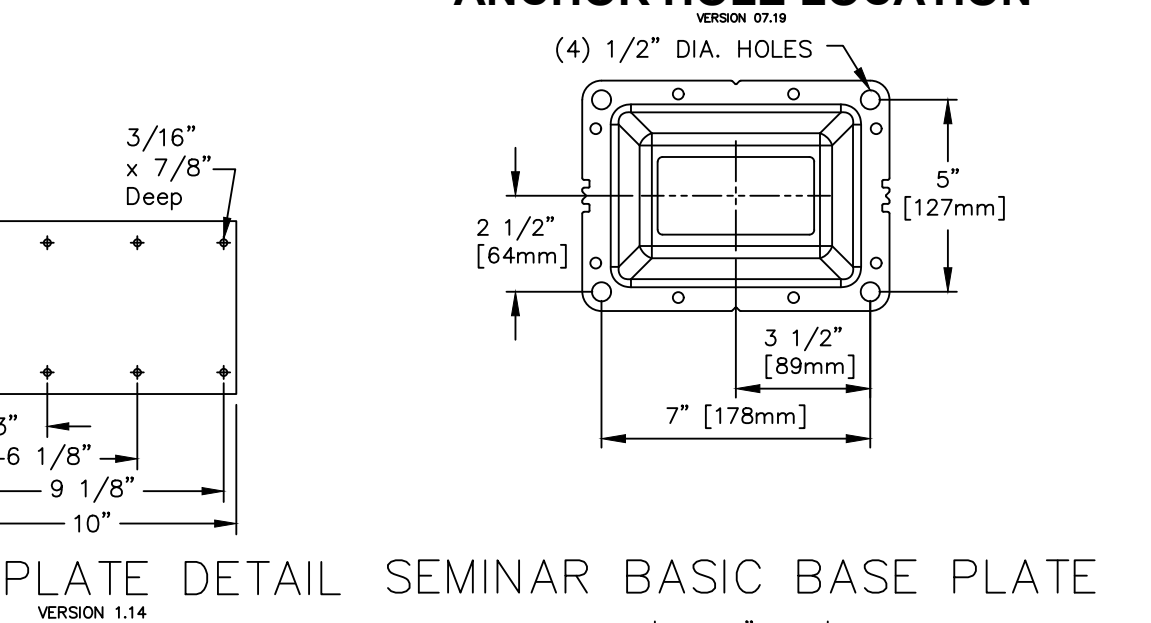
METAL WRAP AROUND END PANEL DETAIL

JURY BASIC BASE ANCHOR HOLE LOCATION



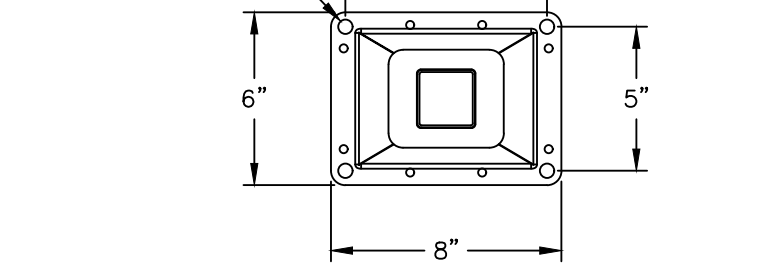
JURY BASIC BASE

SEMINAR BASIC BASE ANCHOR HOLE LOCATION



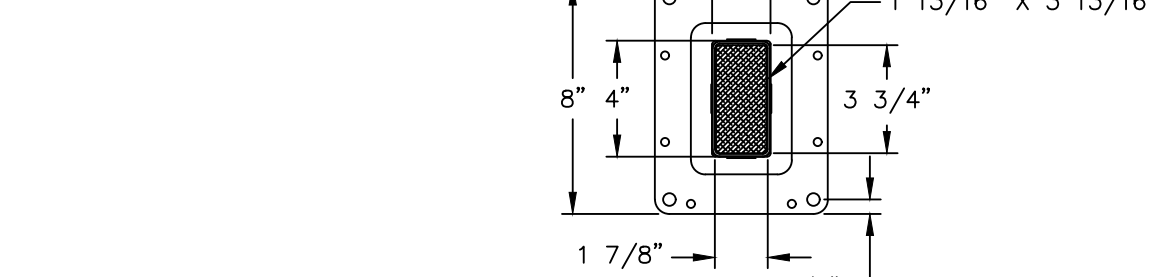
SEMINAR BASIC BASE PLATE

JOINT PLATE DETAIL



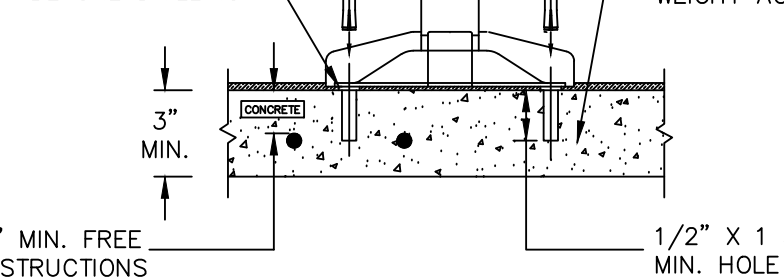
JOINT PLATE DETAIL

SEMINAR BASIC BASE PLATE



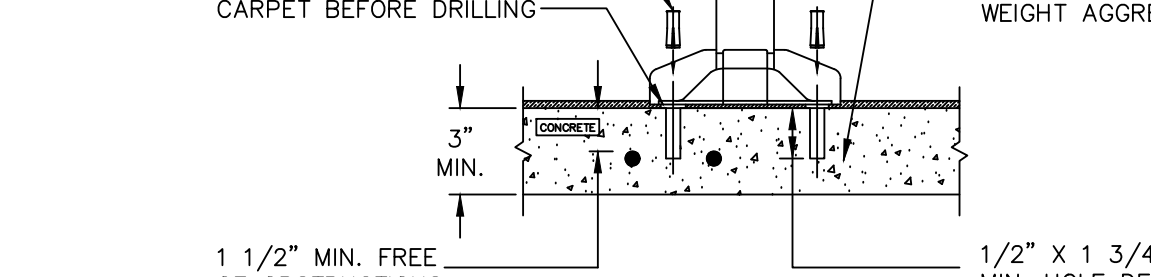
SEMINAR BASIC BASE PLATE

APPLIED LOAD PER ANCHOR WITH A THREE TIME SAFETY FACTOR



APPLIED LOAD PER ANCHOR WITH A THREE TIME SAFETY FACTOR

APPLIED LOAD PER ANCHOR WITH A THREE TIME SAFETY FACTOR



APPLIED LOAD PER ANCHOR WITH A THREE TIME SAFETY FACTOR

SEMINAR & UNIVERSITY SEATING LEGEND

- MP = WORKING POINT
- C = COMPANION SEAT
- LI = LAYOUT NOTE INDICATOR
- BB = BASIC BASE (FPD/S, FPD/SB, UNIVB)
- SB = SELECT BASE (FPD/S, FPD/SB, UNIVB)
- I = MODESTY PANEL BRACKET
- MB = ACRYLIC MODESTY PANEL BRACKET
- MS = MODESTY PANEL SPLIT
- MP = MODESTY PANEL
- EP = END PANEL
- JP = JOINT PLATE
- TM = TABLE MARKER
- MPM = MODESTY PANEL MARKER
- P = POWER INFEEED
- D = DATA INFEEED
- EC = ELECTRICAL CONNECTOR WITH TROUGH
- E = ELECTRICAL CONNECTOR
- TR = TROUGH
- PCN = RECEPTACLE CIRCUIT NUMBER
- SR = SHROUD (L, R, C)
- SM = SHROUD & POWER MODULE (L, R, C)
- USM = UNDER SURFACE SHROUD & POWER MODULE (L, R, C)
- RPTM = REMOTE POWER TAP SHROUD & POWER MODULE INCLUDES ELECTRICAL CONNECTOR (L, R, R)

JURY SEATING LEGEND

- MP = WORKING POINT
- C = COMPANION SEAT
- DS = DESIGNATED AISLE SEAT
- LI = LAYOUT NOTE INDICATOR
- BB = FLOOR MOUNT BASIC BASE
- SB = FLOOR MOUNT SELECT BASE
- AMH = FLOOR MOUNT ADJUSTABLE HEIGHT BASE
- PH = FIXED HEIGHT JURY SWING BASE
- AHJ = ADJUSTABLE HEIGHT JURY SWING BASE

SEMINAR/UNIVERSITY POWERUP NOTES

- POWER INFEEED LOCATIONS WILL BE PLACED AS INDICATED UNLESS OTHERWISE NOTED.
- VERIFY LOCATION OF INFEEEDS PER TABLE.
- VERIFY WHAT TYPE OF INFEEED.
 - FLOOR INFEEED THRU THE BASE FLANGE
 - POWER INFEEED THRU SIDE OF PEDESTAL
 - COLOR SELECTIONS

Refer to KI's Assembly Guidelines documentation of University Seating® & Seminar® Tables - Power & Data Infed Requirements

THIS DRAWING WAS CREATED WITH VERIFIED FIELD DIMENSIONS (VPD'S) USING TACHYCAD EQUIPMENT ON 01-28-2020. KI WILL NOT BE RESPONSIBLE FOR ANY FIT ISSUES THAT OCCUR DUE TO ROOM MODIFICATIONS MADE AFTER THIS DATE.

NOTE: SEATING CAPACITY WAS DETERMINED USING A MINIMUM SEAT SPACING OF 24". SEAT COUNT IS SUBJECT TO VARYING PADDING WIDTHS AND FINAL APPROVAL AND WILL BE CONFIRMED AT TIME OF ORDER.

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CODE REQUIREMENTS
KI is not responsible for any variations from what is shown on this Plan. KI is not responsible for any variations from what is shown.

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APPROVED
Office of Planning, Design & Construction
Building, Safety and Compliance Division
CAMPUS BUILDING PERMIT

OFFICE OF THE STATE FIRE MARSHAL
APPROVED FIRE AND HAZARD CODES
03/17/2020
Approval of this plan does not endorse or approve any condition or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: [Signature]
Fire and Life Safety Division

THIS PLAN IS NOT INTENDED TO BE USED FOR BUILDING CONSTRUCTION

DRAWING REVIEW
These Plans are subject to review with the contract. As such, these Plans must be reviewed by the Owner/Architect/Contractor, or other appropriate representative. If it is to proceed with project installation in accordance with these Plans, the Approver is to verify the same, review and complete the information at the bottom of this page and return this document to KI. If these Plans are to be corrected, move the "Revised and Resubmitted" box below, include and complete the information of this Plan. Signatures must include the name, company or affiliation, and date. Information of product details or other information is required to be complete and submitted to KI. It is the Owner/Architect/Contractor's responsibility to verify all of the conditions shown on these Plans. If any conditions are not shown on these Plans, the Owner/Architect/Contractor is to verify the conditions shown on these Plans. If any conditions are not shown on these Plans, the Owner/Architect/Contractor is to verify the conditions shown on these Plans. If any conditions are not shown on these Plans, the Owner/Architect/Contractor is to verify the conditions shown on these Plans.

APPROVED AS NOTED:
REVISE AND RESUBMIT:

SIGNATURE: _____
COMPANY: _____
DATE: _____

KI WALL DEPT USE ONLY

PROJECT TITLE: UNIVERSITY OF CALIFORNIA RIVERSIDE
FLOOR/AREA: PHYSICS 2000

PRODUCT LINE: Seminar

REPRESENTATIVE: JURY BOSE

ORDER NUMBER: 418659

DATE: 02/26/2019

REVISIONS:

NO.	DATE	DESCRIPTION
1	11/29/2018	KI REV TO INCLUDE REV CODES
2	01/09/2019	KI REV 5-2-3 SPACES/ADD SEATS
3	01/09/2019	KI REV 1/2" HOLE/ADD SEATS
4	03/04/2020	KI REV SEAT SPAC/ADD PER PA
5	03/04/2020	KI REV TO CLIENT REVISIONS
6	03/04/2020	KI REV TO CLIENT REVISIONS
7	03/04/2020	KI REV TO CLIENT REVISIONS
8	03/04/2020	KI REV TO CLIENT REVISIONS

DRAWING NO.: D418659_00_00_L02_F

SHEET: Seating Option 2

2 of 2, E. 8