



ISU BID #B0027822
TERRE HAUTE, INDIANA

The map displays the area around Terre Haute, Indiana. The Wabash River flows through the center, with Sugar Creek to the west. Major highways I-150 and I-40 are shown. Key locations include Union Hospital, Indiana State University, Harrison Township, Taylorville, and The Bouncin Barn. A black arrow points from the text 'The Bouncin Barn' to its location on the map.

GENERAL

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ELECTRICAL

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STRUCTURAL

R101	-	TUNNEL REPAIR PLAN T-07 FRAMES 001 - 013	(ALTERNATE #1)
R102	-	TUNNEL REPAIR PLAN T-07 FRAMES 014 - 041	(ALTERNATE #1)
R103	-	TUNNEL REPAIR PLAN T-07 FRAMES 042 - 051	(ALTERNATE #1)
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R105	-	TUNNEL REPAIR PLAN T-02 FRAMES 111 - 123	(ALTERNATE #3)
R106	-	TYPICAL CONCRETE TUNNEL REPAIRS T-02 & T-07	(ALTERNATES #1 & #3)

SITE MAP
NO SCALE



NORTH

ENGINEER

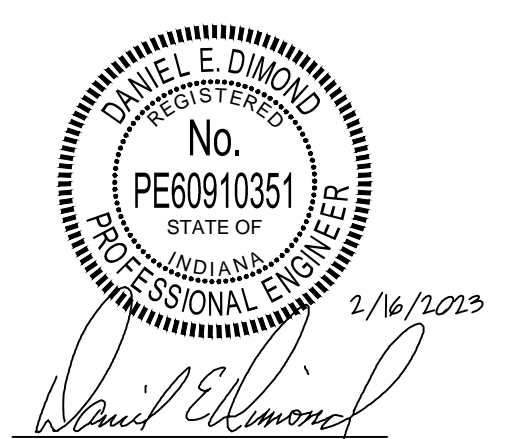
R.E. Dimond
and Associates, Inc.
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732 North Capitol Avenue
Indianapolis, IN 46204
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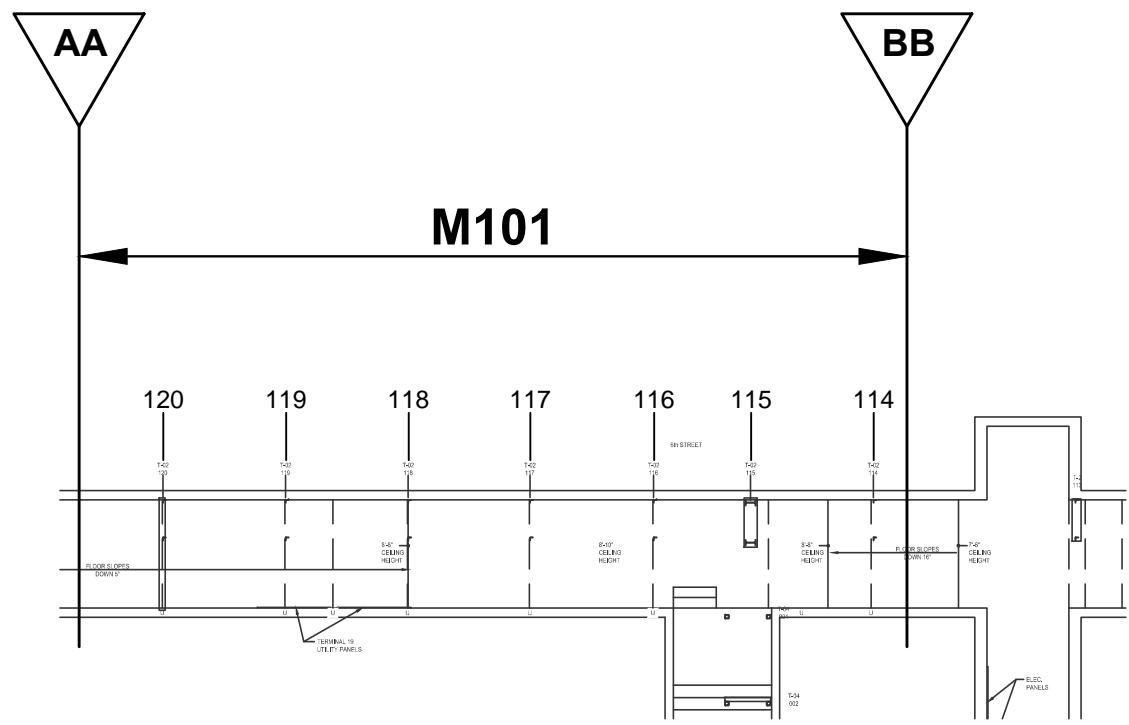
STRUCTURAL ENGINEER

ARSEE ENGINEERS, INC.

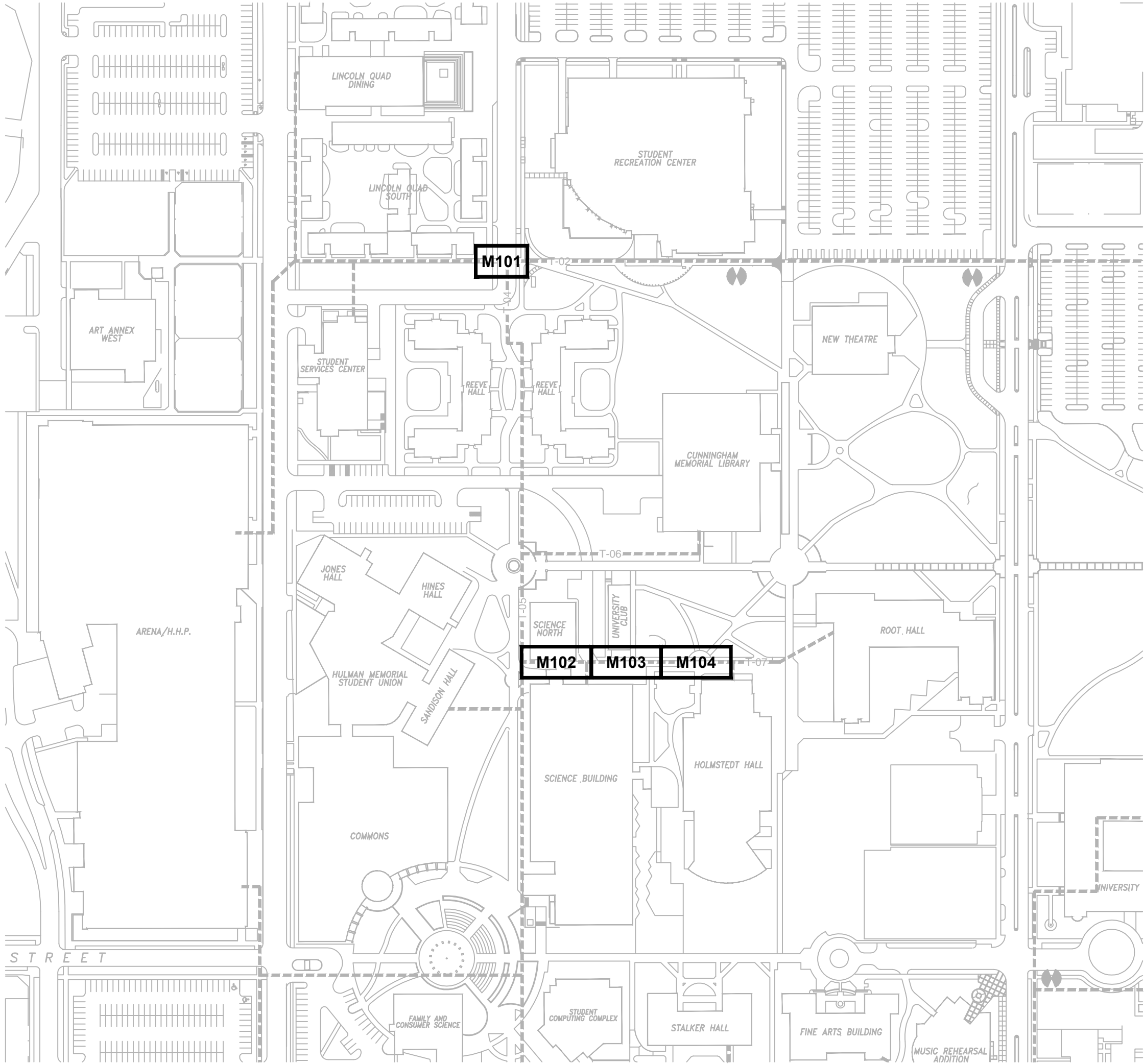
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9715 KINCAID DRIVE, SUITE 100 317/594-5152 PHONE
FISHERS, INDIANA 46037-9459 317/594-9590 FAX

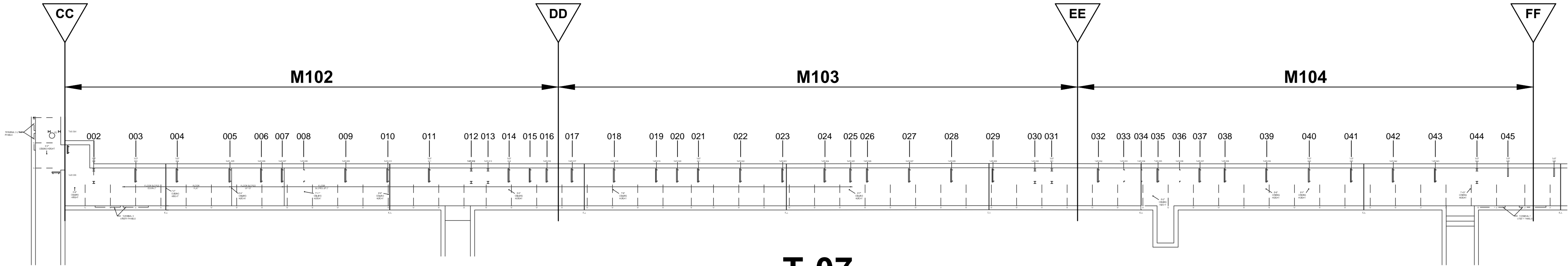




T-02



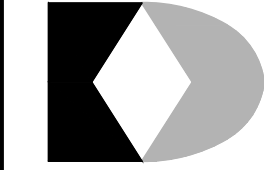
KEYPLAN
NO SCALE
NORTH



T-07

GENERAL NOTES:

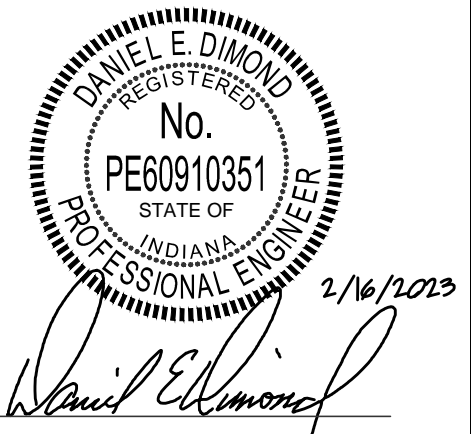
- THESE NOTES APPLY TO EACH AND EVERY DRAWING IN THIS SET.
- FIELD VERIFY ALL EXISTING CONDITIONS AS TO EXACT SERVICE, LOCATION, TYPE OF MATERIAL, ETC. BEFORE BIDDING AND BEFORE BEGINNING WORK.
- ALL WORK SHALL REMAIN UNLESS SPECIFICALLY NOTED OTHERWISE.
- COORDINATE ALL SHUT-DOWNS, DELIVERY AND STORAGE OF MATERIALS, ETC. WITH OWNERS REPRESENTATIVE.
- CONTRACTOR SHALL PROTECT ALL EXISTING BUILDING FACILITIES INCLUDING PARKING LOTS, DOORS, WALLS, FLOORS, ETC. ANY DAMAGE CAUSED BY CONTRACTOR OPERATIONS SHALL BE REPAIRED TO ORIGINAL CONDITION AT NO COST TO THE OWNER.
- ADDITIONAL GENERAL NOTES SPECIFIC TO A PARTICULAR DRAWING ARE NOTED ON THOSE DRAWINGS.
- CONTRACTOR SHALL PROVIDE PLATING AS REQUIRED TO PROTECT SURFACE OF EXISTING ASPHALT PARKING LOT. PROVIDE PLATES UNDER WHEELS OF DUMPSTERS, LIFTING DEVICES AND ANY OTHER EQUIPMENT THAT COULD SINK INTO THE ASPHALT.
- CONTRACTOR SHALL PROTECT ALL EXISTING EQUIPMENT THAT REMAINS INCLUDING PUMPS, FANS, DAMPERS, ELECTRICAL GEAR, ETC.
- FIELD VERIFY EXACT SIZES OF EXISTING PIPING AND DUCT SYSTEMS SHOWN TO BE CONNECTED TO. IN THE EVENT ACTUAL SIZE IS DIFFERENT THAN SHOWN ON DRAWING, CONTACT ENGINEER FOR DIRECTION PRIOR TO ANY WORK.
- DISPOSAL OF DEMOLISHED MATERIALS SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.



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THESE DRAWINGS AND SPECIFICATIONS, AND ALL COPIES THEREOF ARE AND SHALL REMAIN THE PROPERTY AND COPYRIGHT OF THE ENGINEER. THEY SHALL BE USED ONLY WITH RESPECT TO THIS PROJECT AND ARE NOT TO BE USED ON ANY OTHER PROJECT OR WORK WITHOUT PRIOR WRITTEN PERMISSION FROM THE ENGINEER.

CERTIFIED BY:


REVISIONS:

NO.	DESCRIPTION	DATE:

ARSEE ENGINEERS, INC.
CLIENT ORIENTED — BY DESIGN
9715 KINCAID DRIVE, SUITE 100 317/594-5152 PHONE
FISHERS, INDIANA 46037-9459 317/594-9590 FAX

PROJECT DESCRIPTION:

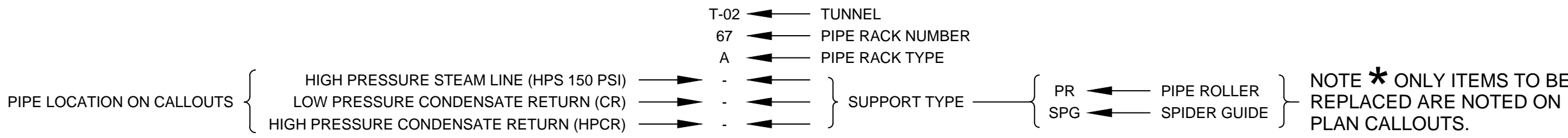
TUNNEL REPAIRS 2023
ISU BID No. B0027822
INDIANA STATE UNIVERSITY
TERRE HAUTE, INDIANA

DRAWN BY:	DESIGNED BY:
D.E.D.	D.E.D.
SCALE:	CHECKED BY:
AS NOTED	D.E.D.
DATE:	JOB NO.:
2/16/2023	D.A. #22063

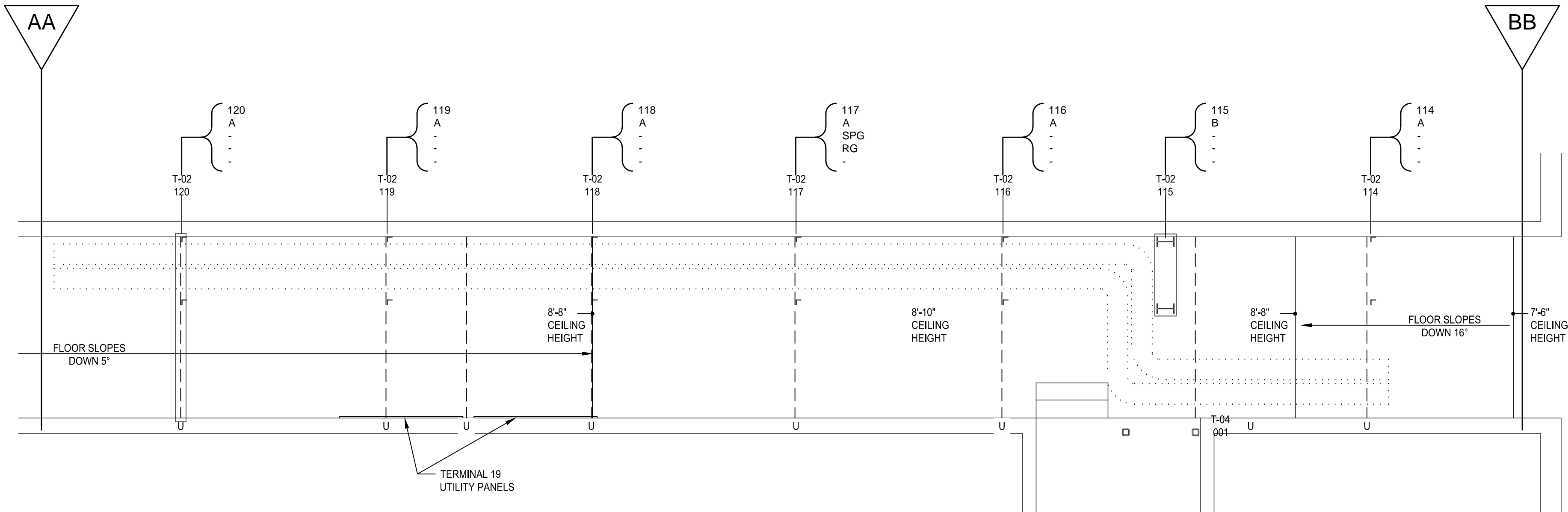
KEYPLAN AND
PROJECT LOCATION
-
MECHANICAL

SHEET NUMBER:

M001



PIPE RACK IDENTIFICATION NOMENCLATURE

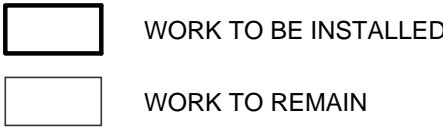


PARTIAL (T-02) TUNNEL PLAN - AA - BB

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

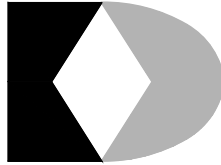


RENOVATION LEGEND:



GENERAL NOTES :

1. WORK ON THIS PROJECT CONSISTS OF REPAINTING/REBUILDING/REPLACING EXISTING PIPING SUPPORT RACKS AS NOTED ON PIPE RACK WORK CLASSIFICATION SCHEDULES - SEE M601.
2. PROVIDE TEMPORARY PIPE RACK SUPPORT AS REQUIRED TO COMPLETE WORK.
3. ALL PIPING IS EXISTING AND NOT ALL SHOWN ON TUNNEL PLANS, ONLY PIPE SIZES ARE INDICATED ON PLANS. TUNNEL PLANS ARE SHOWN TO LOCATE AND IDENTIFY WORK SCOPE FOR SUPPORTS. FOR PIPE ORIENTATION ON RACKS SEE "TYPICAL ORIENTATION OF PIPING ON PIPE RACKS" THIS SHEET.
4. WHERE NEW PIPING SUPPORT RACKS ARE TO BE PROVIDED, EXISTING SUPPORT RACKS SHALL BE REMOVED. NEW SUPPORT RACKS SHALL BE OF SAME ARRANGEMENT AS EXISTING, EXCEPT FABRICATED OUT OF ALL STAINLESS STEEL. SEE M401 FOR PIPE SUPPORT DETAILS.
5. THOROUGHLY CLEAN TUNNEL. CLEANING INCLUDES SCRAPING ALL MUD AND DEBRIS OFF FLOOR, AND BROOM CLEAN. CLEAN TUNNEL THROUGHOUT SCOPE AREA OF THIS PROJECT.
6. ALL HARDWARE AND SUPPORT STEEL TO BE STAINLESS STEEL UNLESS SPECIFICALLY NOTED OTHERWISE.
7. CONCRETE ANCHORS TO BE STAINLESS STEEL LIKE RED HEAD TRUBOLT WEDGE TYPE, 3/4"Ø, 6 5/8" EMBEDMENT DEPTH. INSTALL PER MANUFACTURER RECOMMENDATIONS.
8. CLEAN ALL FRENCH DRAIN STYLE FLOOR DRAINS. REMOVE DEBRIS DOWN TO SAND (APPROXIMATELY 18"-24").
9. PAINT ALL SUPPORTS, ANCHORS, GUIDES, ETC. WHERE NOTED ON PIPE RACK CLASSIFICATION SCHEDULE. M601. DO NOT PAINT STAINLESS STEEL. SEE M600 SERIES DRAWINGS FOR WORK CLASSIFICATION. SEE M401 FOR SIZING OF SUPPORTS, GUIDES, ANCHORS, ETC. REMOVE ALL RUST WITH POWER TOOLS DOWN TO BARE METAL TO THE SATISFACTION OF ENGINEER BEFORE REPAINTING. PIPE RACK WORK CLASSIFICATION SCHEDULE. M600, IDENTIFIES PIPE RACKS REQUIRING EXTRA ATTENTION/WORK FOR RUST REMOVAL. ENGINEER WILL INSPECT A MINIMUM OF 10 PER TRIP. DO NOT PAINT PRIOR TO INSPECTION AND APPROVAL BY ENGINEER. WIPE ALL SURFACES WITH PAINT MANUFACTURER APPROVED CHEMICAL CLEANER PRIOR TO PAINTING WITH SHERMAN WILLIAMS COROTHRINE 1 PRE-PRIMER. FIRST COAT OF PAINT WITH MACROPOXY 646, SECOND COAT OF PAINT WITH MACROPOXY 646 (SHERMAN WILLIAMS).
10. REPAINT PIPE RACK NUMBERS ONTO PIPE RACK WITH STENCILS, VERY NEATLY, SAME AS EXISTING.
11. ALL NEW ANGLE BRACKETS TO BE 3x3x5/16" STAINLESS STEEL.
12. WHERE PIPE RACKS ARE TO BE REPLACED, NEW RACK SHALL BE OF SAME ARRANGEMENT AS EXISTING.
13. REPLACE ALL INSULATION FOR 3'-0" IN EACH DIRECTION WHERE PIPE ROLLERS AND SPIDER GUIDES ARE REPLACED.
14. ASSUME 10" HPS, 6" HPCR, AND 2" CR. FIELD VERIFY SIZES PRIOR TO ORDERING INSULATION, SPIDER GUIDES AND PIPE ROLLERS.
15. ABANDON CHILLED WATER PIPING TO REMAIN.
16. SEE ALSO DRAWING M001 FOR ADDITIONAL GENERAL NOTES.



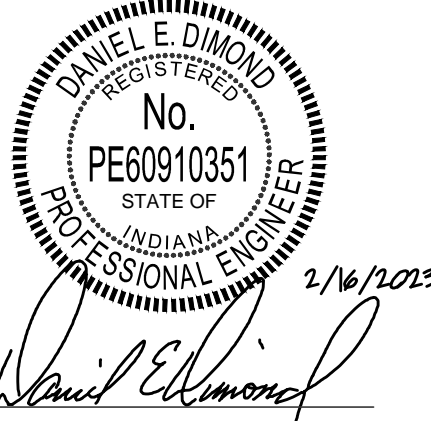
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CERTIFIED BY:



REVISIONS:

NO.	DESCRIPTION	DATE:

ARSEE ENGINEERS, INC.

CLIENT ORIENTED — BY DESIGN

9715 KINCAID DRIVE, SUITE 100 317/594-5152 PHONE
FISHERS, INDIANA 46037-9459 317/594-9590 FAX

PROJECT DESCRIPTION:

TUNNEL REPAIRS 2023
ISU BID No. B0027822
INDIANA STATE UNIVERSITY
TERRE HAUTE, INDIANA

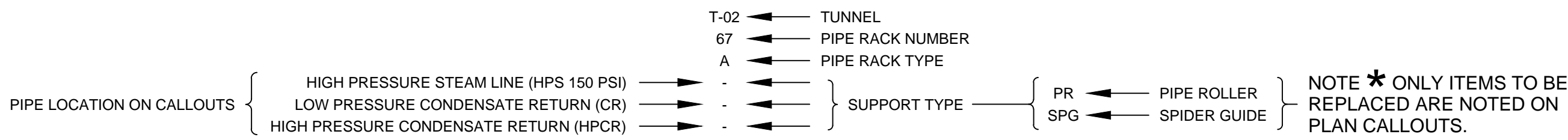
DRAWN BY: D.E.D.	DESIGNED BY: D.E.D.
SCALE: AS NOTED	CHECKED BY: D.E.D.
DATE: 2/16/2023	JOB NO.: D.A. #22063

SHEET DESCRIPTION:

(T-02) TUNNEL
PLAN - AA - BB
MECHANICAL
(ALTERNATE #2)

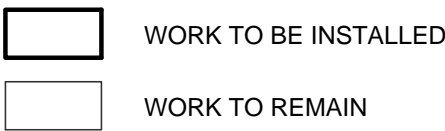
SHEET NUMBER:

M101



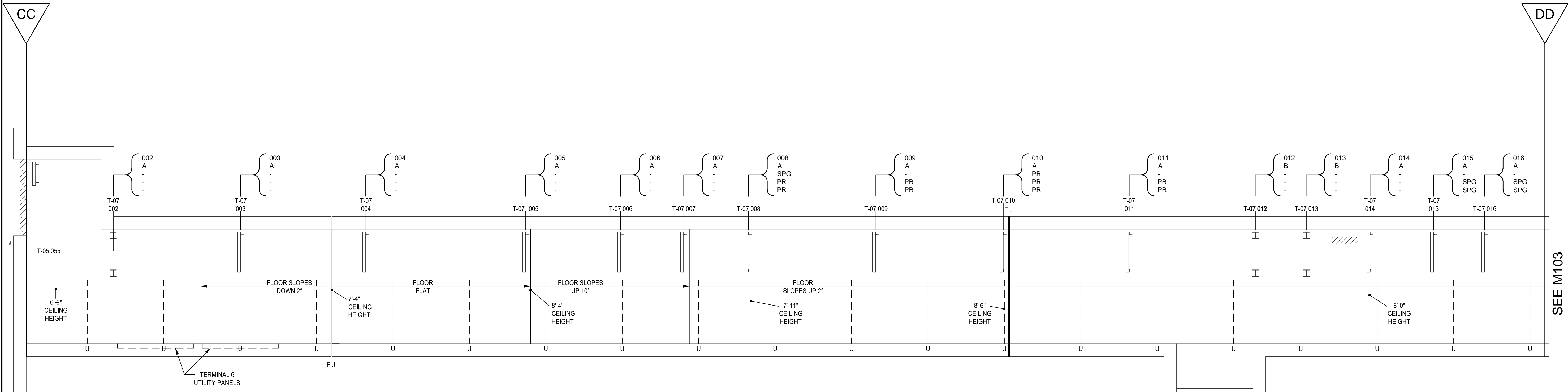
PIPE RACK IDENTIFICATION NOMENCLATURE

RENOVATION LEGEND:



GENERAL NOTES :

1. SEE M101 FOR GENERAL NOTES.



PARTIAL (T-07) TUNNEL PLAN - CC - DD

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

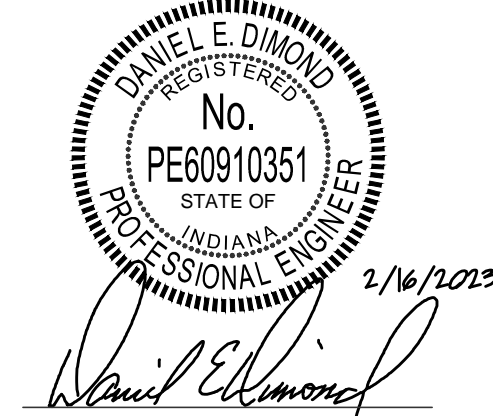


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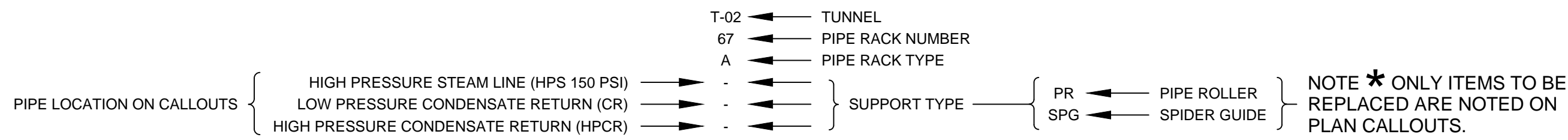
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SCALE: AS NOTED	CHECKED BY: D.E.D.
DATE: 2/16/2023	JOB NO.: D.A. #22063

SHEET DESCRIPTION:

(T-07) TUNNEL
PLAN - CC - DD
-
MECHANICAL

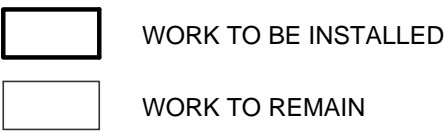
SHEET NUMBER:

M102



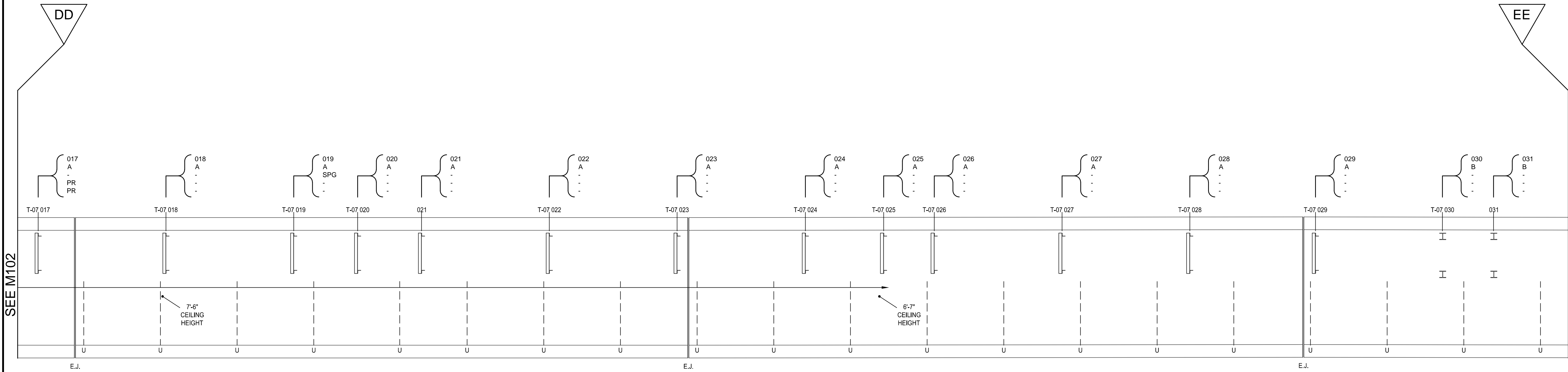
PIPE RACK IDENTIFICATION NOMENCLATURE

RENOVATION LEGEND:



GENERAL NOTES :

1. SEE M101 FOR GENERAL NOTES.



PARTIAL (T-07) TUNNEL PLAN - DD - EE

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

NORTH

DA #22063

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CERTIFIED BY:

DANIEL E. DIMOND
REGISTERED
No. PE60910351
STATE OF INDIANA
PROFESSIONAL ENGINEER
2/16/2023

REVISIONS:		
NO.	DESCRIPTION	DATE:

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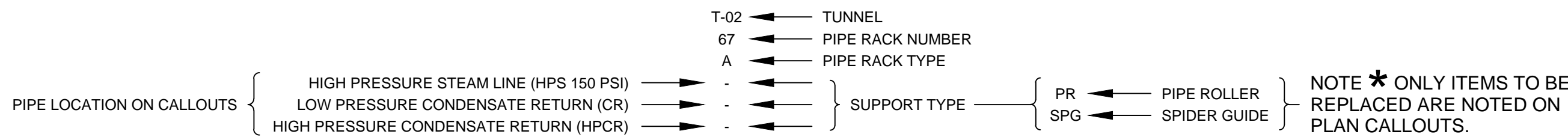
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SCALE:	AS NOTED	CHECKED BY:	D.E.D.
DATE:	2/16/2023	JOB NO.:	D.A. #22063

SHEET DESCRIPTION:

(T-07) TUNNEL
PLAN - DD - EE
-
MECHANICAL

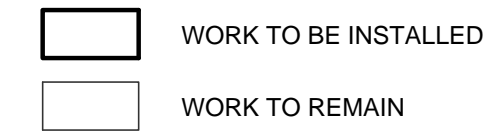
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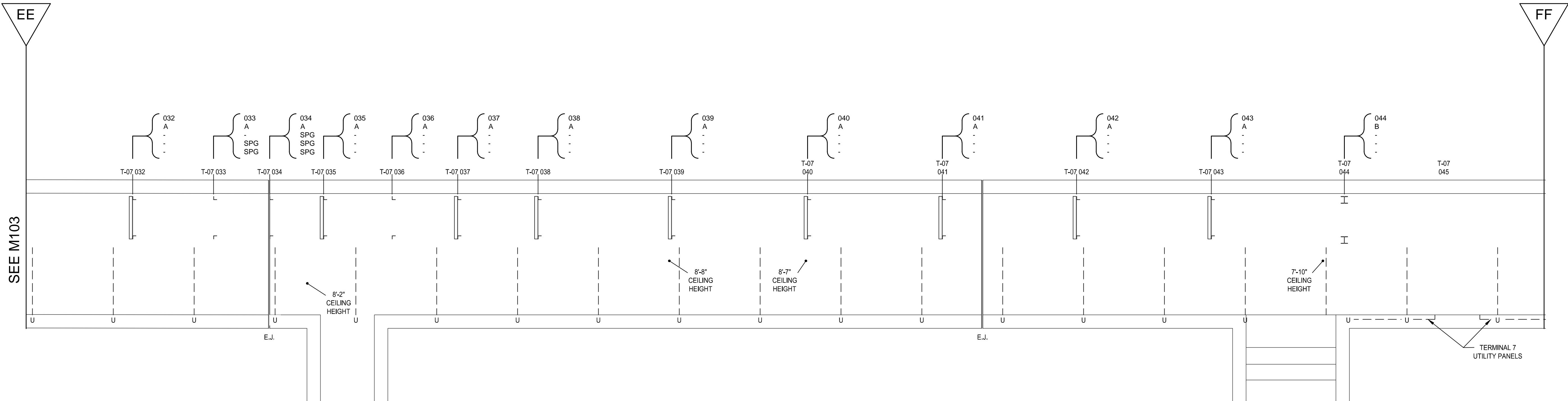
PIPE RACK IDENTIFICATION NOMENCLATURE

RENOVATION LEGEND:



GENERAL NOTES :

1. SEE M101 FOR GENERAL NOTES.



PARTIAL (T-07) TUNNEL PLAN - EE - FF

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

NORTH

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No. PE60910351
STATE OF INDIANA
2/16/2023

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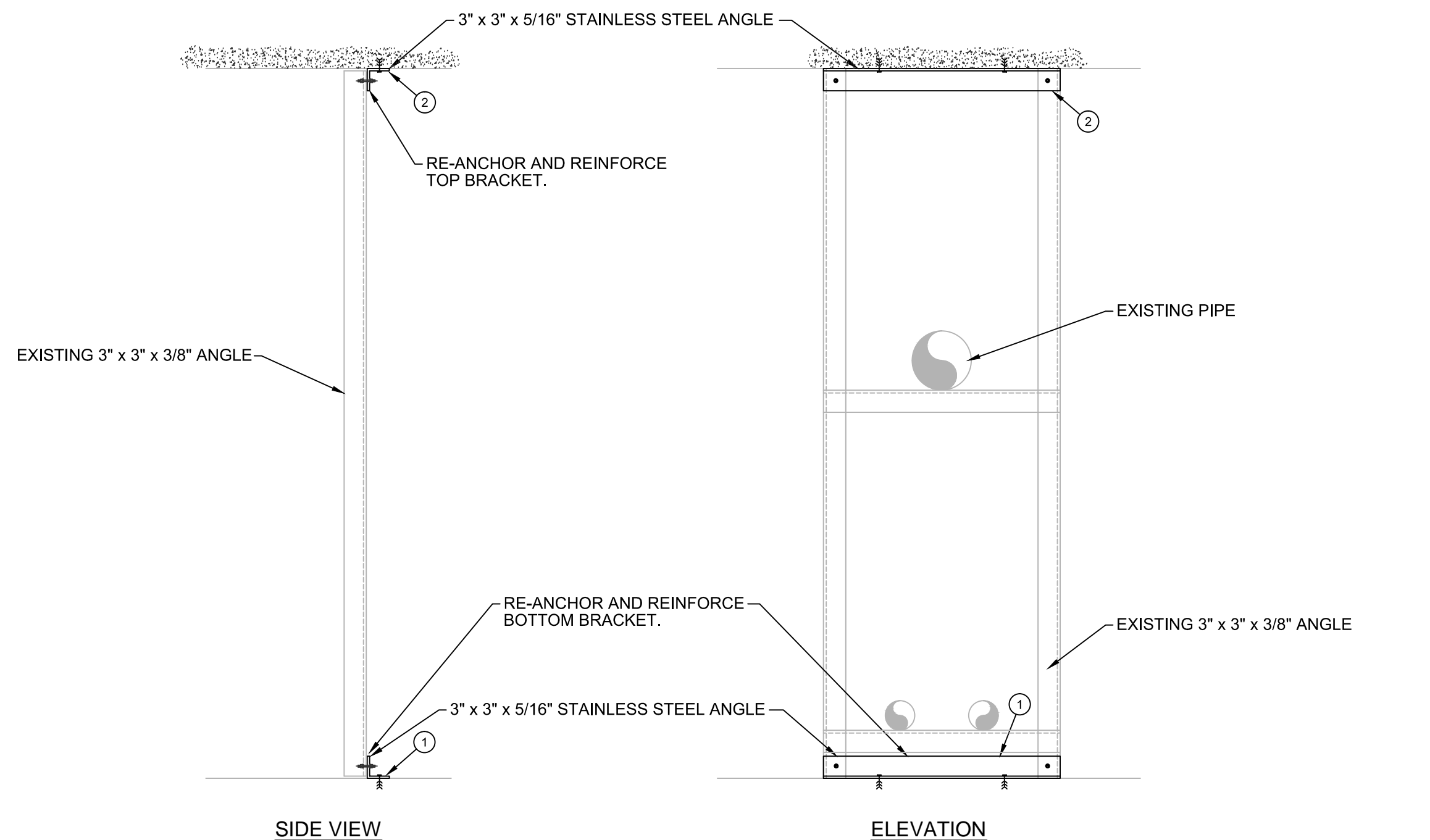
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DATE:	2/16/2023	JOB NO.:	D.A. #22063

SHEET DESCRIPTION:

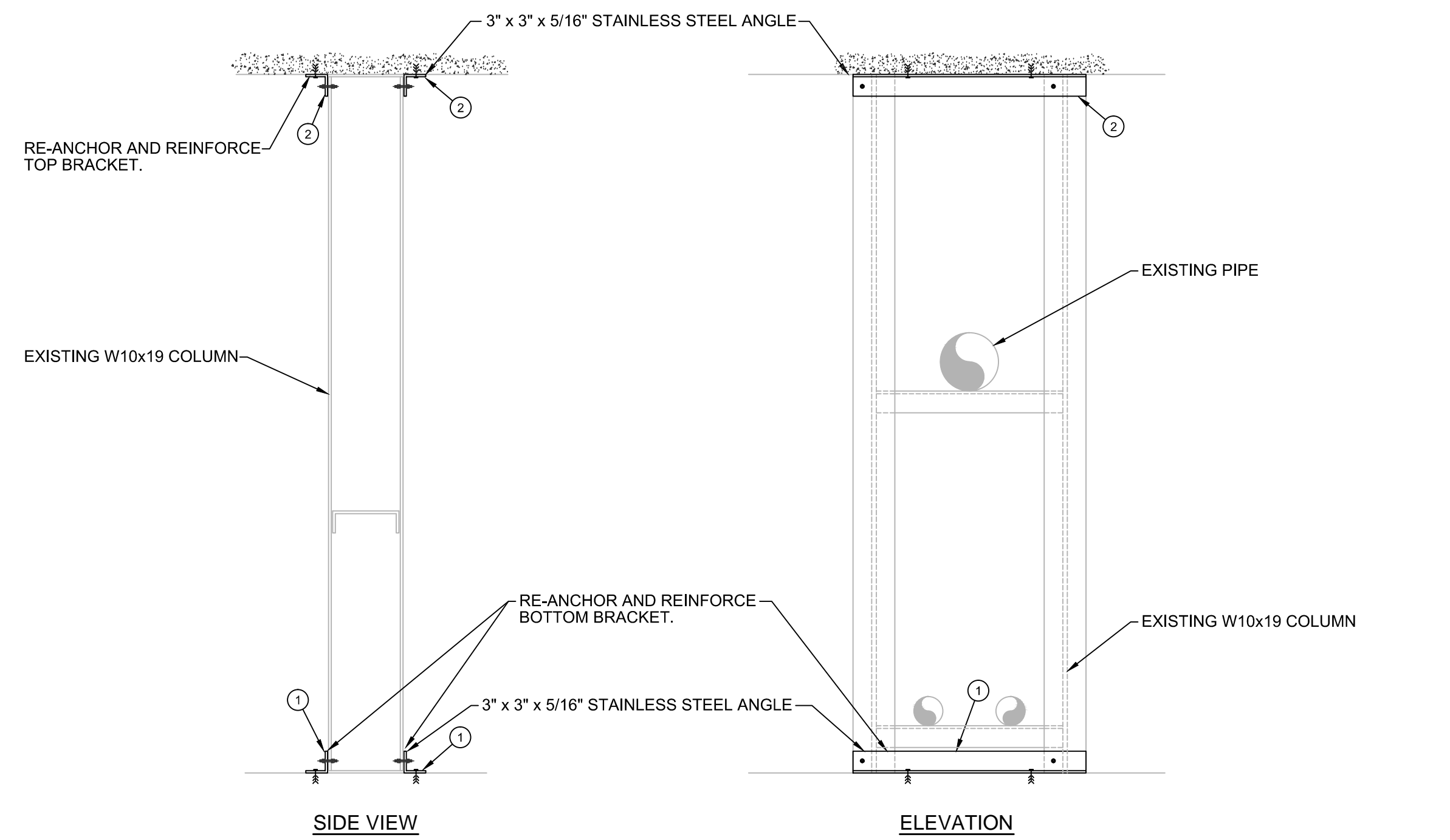
(T-07) TUNNEL
PLAN - EE - FF
-
MECHANICAL

SHEET NUMBER:

M104



TYPE 'A'
PIPE RACK
SCALE: 3/4" = 1'-0"



TYPE 'B'
PIPE RACK
SCALE: 3/4" = 1'-0"

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SHEET DESCRIPTION:

DETAILS AND SCHEDULES
-
MECHANICAL

SHEET NUMBER:

M401

PIPE RACK WORK CLASSIFICATION SCHEDULE (T-02) (ALTERNATE #2)																					
PIPE RACK NO.	PIPE RACK TYPE		NO WORK	PAINT ENTIRE STAND COMPLETE	MECHANICALLY CLEAN BASE / BOTTOM BRACKET TO 24" A.F.F.	MECHANICALLY CLEAN TOP BRACKET	MECHANICALLY CLEAN ENTIRE PIPE RACK	REPLACE RACK IN ITS ENTIRETY	RE-ANCHOR AND RE-INFORCE BOTTOM BRACKET	RE-ANCHOR AND RE-INFORCE TOP BRACKET	PIPE RACK NO.	REPLACE CR GUIDE	REPLACE HPCR GUIDE	REPLACE HPS GUIDE	REPLACE CR ROLLER	REPLACE HPCR ROLLER	REPLACE HPS ROLLER	MECHANICALLY CLEAN AND REPAINT HPS PIPE GUIDE	NOTES		PIPE RACK NO.
	TYPE A	TYPE B																			
114	X				X					X	114										114
115		X		X			X				115										115
116	X				X						116										116
117	X				X						117			X	X				②		117
118	X								X		118										118
119	X						X		X	X	119								①		119
120	X				X	X					120										120

PIPE RACK WORK CLASSIFICATION SCHEDULE (T-07)																					
PIPE RACK NO.	PIPE RACK TYPE		NO WORK	PAINT ENTIRE STAND COMPLETE	MECHANICALLY CLEAN BASE / BOTTOM BRACKET TO 12" A.F.F.	MECHANICALLY CLEAN TOP BRACKET	MECHANICALLY CLEAN ENTIRE PIPE RACK	REPLACE RACK IN ITS ENTIRETY	RE-ANCHOR AND RE-INFORCE BOTTOM BRACKET	RE-ANCHOR AND RE-INFORCE TOP BRACKET	PIPE RACK NO.	REPLACE CR GUIDE	REPLACE HPCR GUIDE	REPLACE HPS GUIDE	REPLACE CR ROLLER	REPLACE HPCR ROLLER	REPLACE HPS ROLLER	MECHANICALLY CLEAN AND REPAINT HPS PIPE GUIDE	NOTES		PIPE RACK NO.
	TYPE A	TYPE B																			
002		X	X		X						002										002
003	X				X						003										003
004	X				X						004										004
005	X				X				X		005										005
006	X				X						006							X			006
007	X						X		X		007										007
008	X				X				X	X	008			X	X	X					008
009	X		X						X		009				X	X					009
010	X							X	X	X	010				X	X	X				010
011	X								X		011				X	X					011
012		X			X						012										012
013		X			X						013										013
014	X								X		014										014
015	X								X		015	X	X								015
016	X								X		016	X	X								016
017	X								X		017				X	X					017
018	X				X						018										018
019	X						X		X	X	019			X							019
020	X								X		020										020
021	X				X						021										021
022	X								X		022										022
023	X			X			X		X	X	023								①		023
024	X		X		X						024										024
025	X				X						025										025
026	X			X	X					X	026								①		026
027	X				X	X					027										027
028	X								X		028										028
029	X			X	X				X		029										029
030		X			X						030										030
031		X			X						031										031
032	X				X						032										032
033									X		033	X	X								033
034	X							X			034	X	X	X							034
035	X				X						035										035
036			X		X						036										036
037	X		X		X						037										037
038	X				X						038										038
039	X		X		X						039										039
040	X		X		X						040										040
041	X				X						041										041
042	X		X		X						042										042
043	X				X						043										043
044		X			X						044										044
045	X										045										045

- GENERAL NOTES:**
1. WHENEVER MECHANICALLY CLEANED IS NOTED, THAT AREA IS ALSO TO BE REPAINTED.
- PLAN NOTES:**
- ① THE TOP OF THESE PIPE RACKS WILL REQUIRE EXTRA ANGLE BRACKETS.
- ② BOTTOM BRACKET NEEDS TO INCLUDE REPLACING 'C' CHANNEL SUPPORT SAME SIZE AS EXISTING FOR PIPE ROLLERS.




DA #22063

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CERTIFIED BY:



2/16/2023



REVISIONS:		
NO.	DESCRIPTION	DATE:

ARSEE ENGINEERS, INC.

CLIENT ORIENTED — BY DESIGN

9715 KINCAID DRIVE, SUITE 100 317/594-5152 PHONE
FISHERS, INDIANA 46037-9459 317/594-9590 FAX

PROJECT DESCRIPTION:

TUNNEL REPAIRS 2023
ISU BID No. B0027822
INDIANA STATE UNIVERSITY
TERRE HAUTE, INDIANA

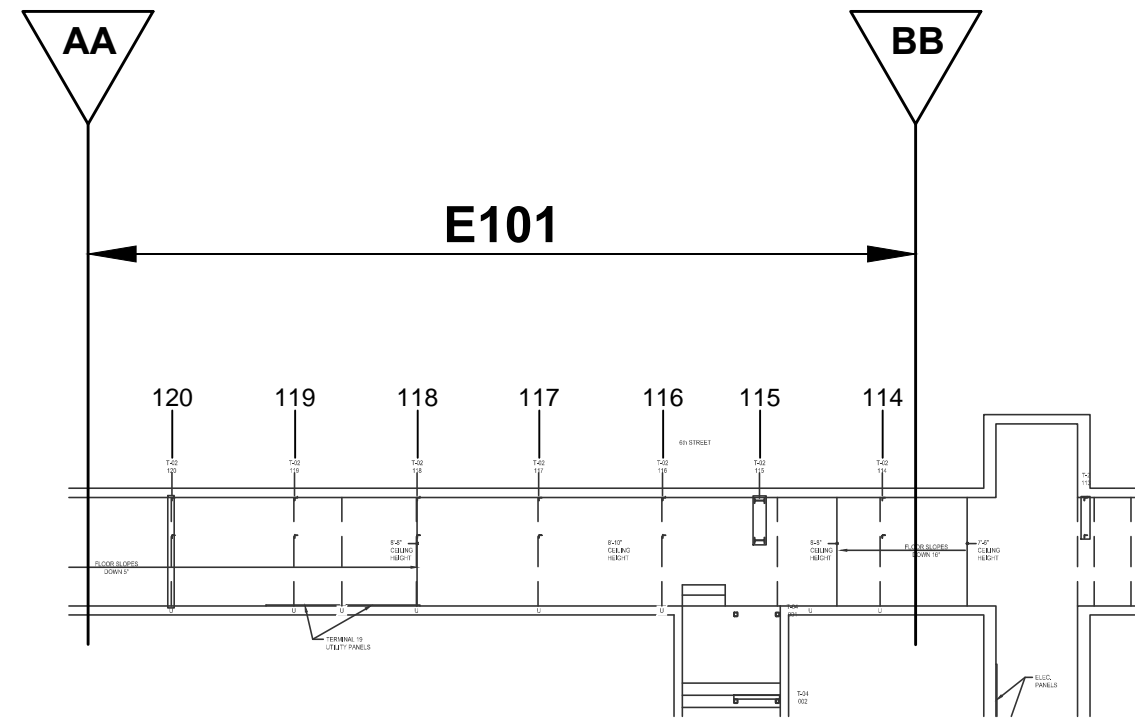
DRAWN BY:	D.E.D.	DESIGNED BY:	D.E.D.
SCALE:	AS NOTED	CHECKED BY:	D.E.D.
DATE:	2/16/2023	JOB NO.:	D.A. #22063

SHEET DESCRIPTION:

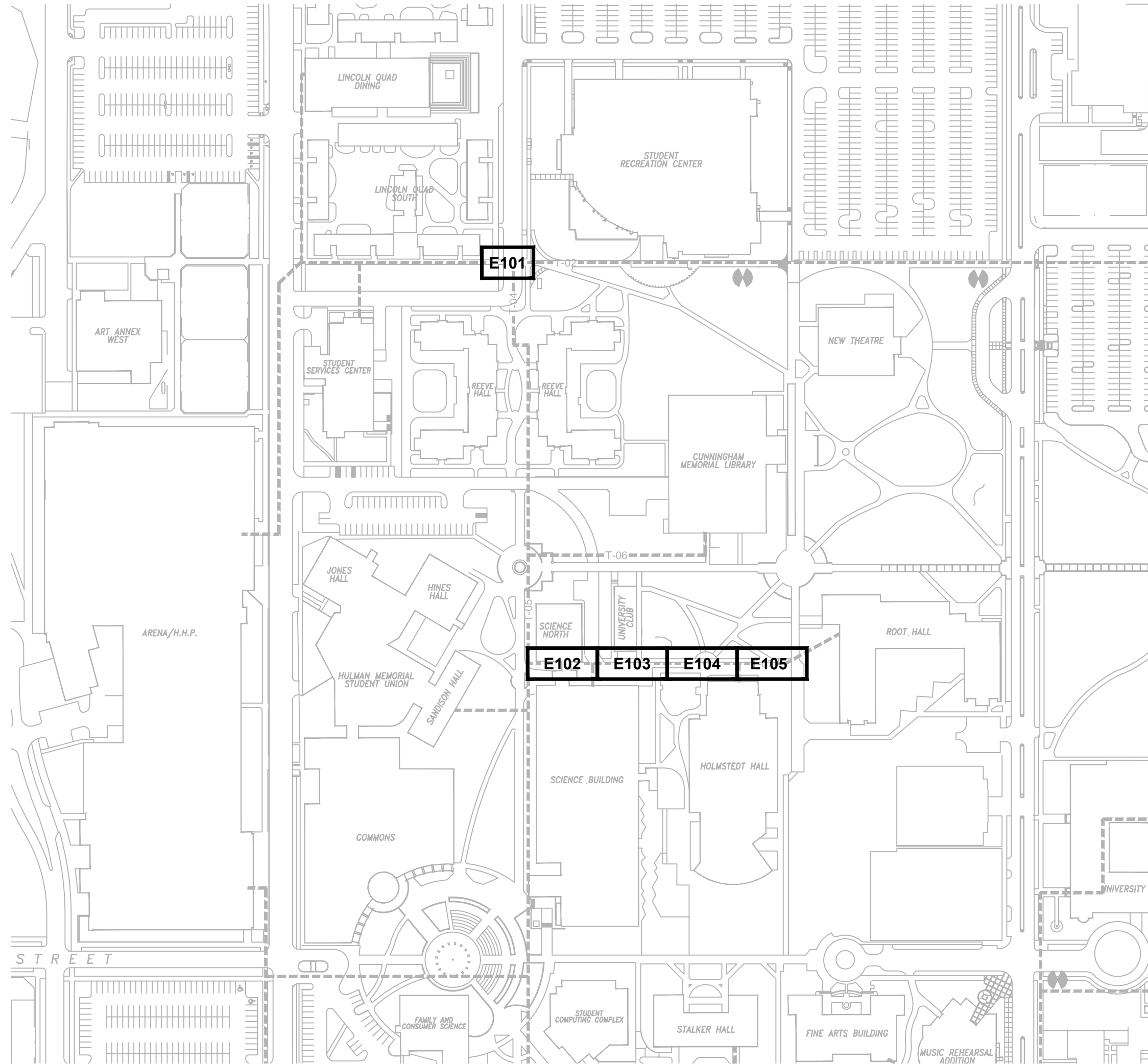
SCHEDULES
-
MECHANICAL

SHEET NUMBER:

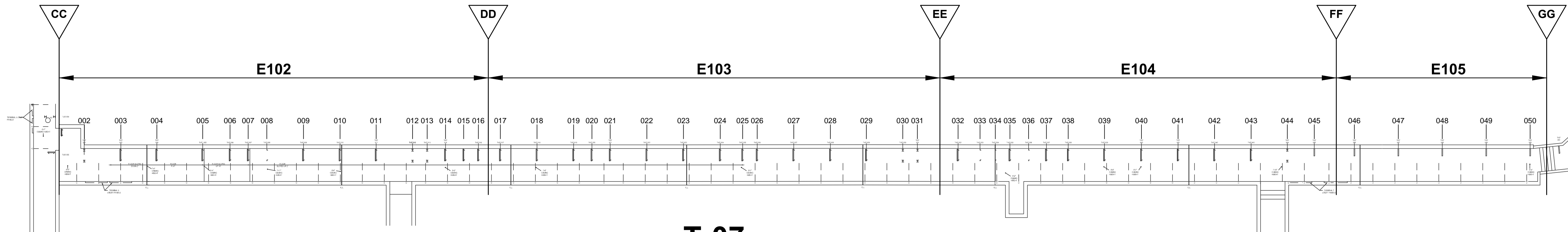
M601



T-02



KEYPLAN
NO SCALE
NORTH



T-07

GENERAL NOTES (RENOVATION):


- 1. ALL 120 VOLT CIRCUITS SHALL UTILIZE SEPARATE INDEPENDENT NEUTRAL CONDUCTORS. DO NOT SHARE NEUTRALS.
- 2. CONTRACTOR SHALL COORDINATE WITH ALL TRADES. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR INCORRECT WORK, OR FOR INFRINGEMENT UPON OTHERS WORK, DUE TO A LACK OF COORDINATION.
- 3. COORDINATE ALL SHUTDOWNS WITH OWNER. FOR PANEL FEEDERS THAT WILL BE INTERRUPTED, COORDINATE WITH OWNER TO DETERMINE IF SHUTDOWN WILL DISRUPT OTHER AREAS AND PROVIDE TEMPORARY FEEDS AS REQUIRED.

GENERAL NOTES (DEMOLITION):

- 1. FIELD VERIFY ALL EXTG. CONDITIONS PRIOR TO BEGINNING WORK. THESE DRAWINGS DO NOT SHOW ALL REQUIRED DEMOLITION WORK. SOME CONDITIONS MAY HAVE BEEN CONCEALED DURING FIELD SURVEYS.
- 2. ALL DEVICES AND EQUIPMENT SHOWN DASHED OR WITH HEAVY LINE WEIGHT SHALL BE REMOVED IN THEIR ENTIRETY, INCLUDING ALL WIRING TO SOURCE, UNLESS OTHERWISE NOTED.
- 3. DISPOSAL OF DEMOLISHED MATERIALS SHALL COMPLY WITH ALL LOCAL, STATE & FEDERAL REGULATIONS.
- 4. CONTRACTORS SHALL PROTECT ALL EXTG. OWNER FACILITIES THAT ARE TO REMAIN DURING CONSTRUCTION. ANY FACILITIES DAMAGED OR DISCONNECTED BY CONTRACTOR SHALL BE IMMEDIATELY RESTORED TO PREVIOUS CONDITION.
- 5. OWNER SHALL HAVE "RIGHT OF FIRST REFUSAL" FOR ALL DEMOLISHED ELECTRICAL ITEMS. CONTRACTOR SHALL COORDINATE WITH OWNER PRIOR TO BEGINNING WORK TO DETERMINE WHAT ITEMS THE OWNER MAY BE INTERESTED IN KEEPING. THE CONTRACTOR SHALL CAREFULLY REMOVE SUCH ITEMS AND DELIVER TO OWNER AS DIRECTED.
- 6. COORDINATE SCHEDULING OF DEMOLITION WORK WITH OWNER AND ALL TRADES.
- 7. PATCH ALL EXTG. HOLES THRU WALLS AND FLOORS WHERE EXTG. RACEWAYS OR CABLES ARE REMOVED.

ALTERNATES & ALLOWANCES:

REFER TO SPECIFICATIONS FOR DESCRIPTION OF ALTERNATES AND ALLOWANCES.

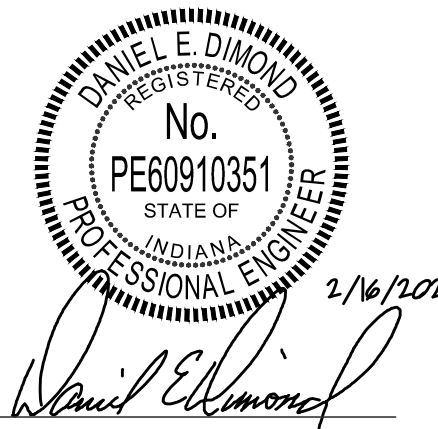


DA #22063

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REVISIONS:		
NO.	DESCRIPTION	DATE:

ARSEE ENGINEERS, INC.

CLIENT ORIENTED — BY DESIGN

9715 KINCAID DRIVE, SUITE 100 317/594-5152 PHONE
FISHERS, INDIANA 46037-9459 317/594-9590 FAX

PROJECT DESCRIPTION:

TUNNEL REPAIRS 2023
ISU BID No. B0027822
INDIANA STATE UNIVERSITY
TERRE HAUTE, INDIANA

DRAWN BY:	DESIGNED BY:
D.E.W.	D.E.W.
SCALE:	CHECKED BY:
AS NOTED	D.E.D.
DATE:	JOB NO.:
2/16/2023	D.A. #22063

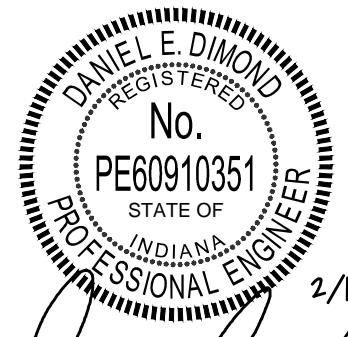
KEYPLAN AND
PROJECT LOCATION
-
ELECTRICAL

SHEET NUMBER:


E001

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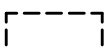

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SCALE:	AS NOTED	CHECKED BY:	D.E.D.
DATE:	2/16/2023	JOB NO.:	D.A. #22063

(T-02) TUNNEL
PLAN - AA - BB
ELECTRICAL
DEMOLITION
(ALTERNATE #2)

SHEET NUMBER:

ED101

DEMOLITION LEGEND:

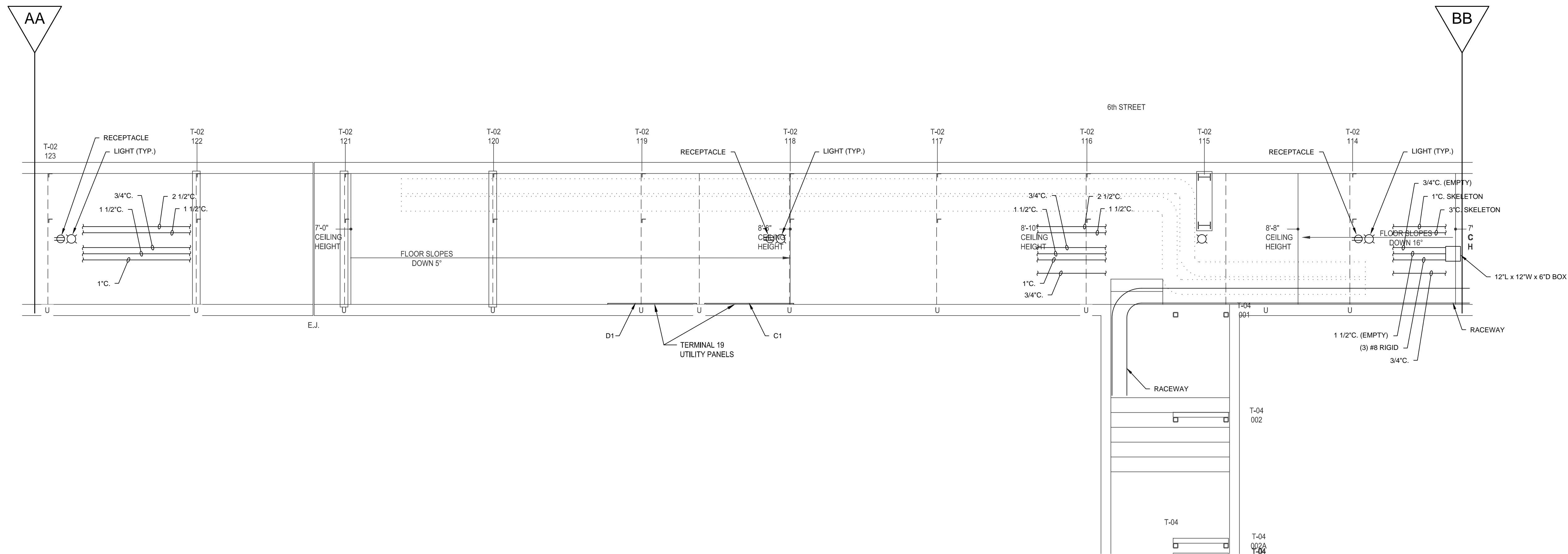
-  WORK TO BE REMOVED
-  WORK TO REMAIN

GENERAL NOTES

1. -

PLAN NOTES

① -

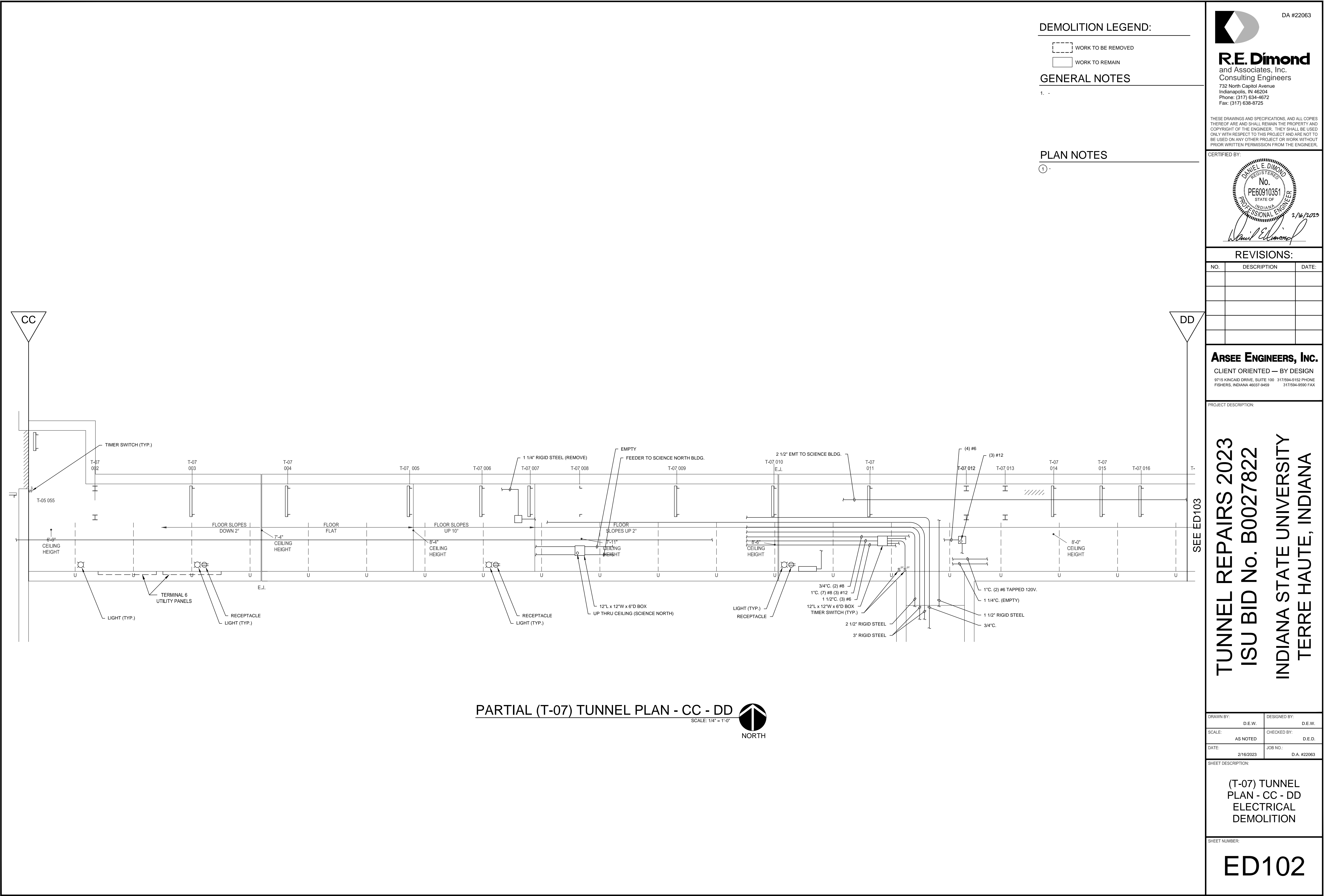


PARTIAL (T-02) TUNNEL PLAN - AA - BB

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



NORTH



DEMOLITION LEGEND:

- WORK TO BE REMOVED
- WORK TO REMAIN

GENERAL NOTES

1. -

PLAN NOTES

1. -



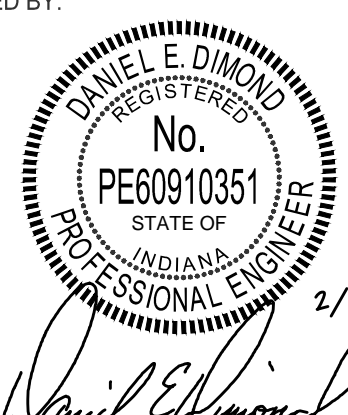
DA #22063

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REVISIONS:		
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INDIANA STATE UNIVERSITY
TERRE HAUTE, INDIANA

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D.E.W.	D.E.W.
SCALE:	CHECKED BY:
AS NOTED	D.E.D.
DATE:	JOB NO.:
2/16/2023	D.A. #22063

(T-07) TUNNEL
PLAN - CC - DD
ELECTRICAL
DEMOLITION

SHEET NUMBER:
ED102

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CERTIFIED BY:

DANIEL E. DIMOND

REGISTERED

No.

PE60910351

STATE OF

INDIANA

PROFESSIONAL ENGINEER

2/16/2023

REVISIONS:		
NO.	DESCRIPTION	DATE:

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PROJECT DESCRIPTION:

TUNNEL REPAIRS 2023

ISU BID No. B0027822

INDIANA STATE UNIVERSITY

TERRE HAUTE, INDIANA

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D.E.W.	D.E.W.
SCALE:	CHECKED BY:
AS NOTED	D.E.D.
DATE:	JOB NO.:
2/16/2023	D.A. #22063

SHEET DESCRIPTION:

(T-07) TUNNEL
PLAN - DD - EE
ELECTRICAL
DEMOLITION

SHEET NUMBER:

ED103

DEMOLITION LEGEND:

- WORK TO BE REMOVED
- WORK TO REMAIN

GENERAL NOTES

1. -

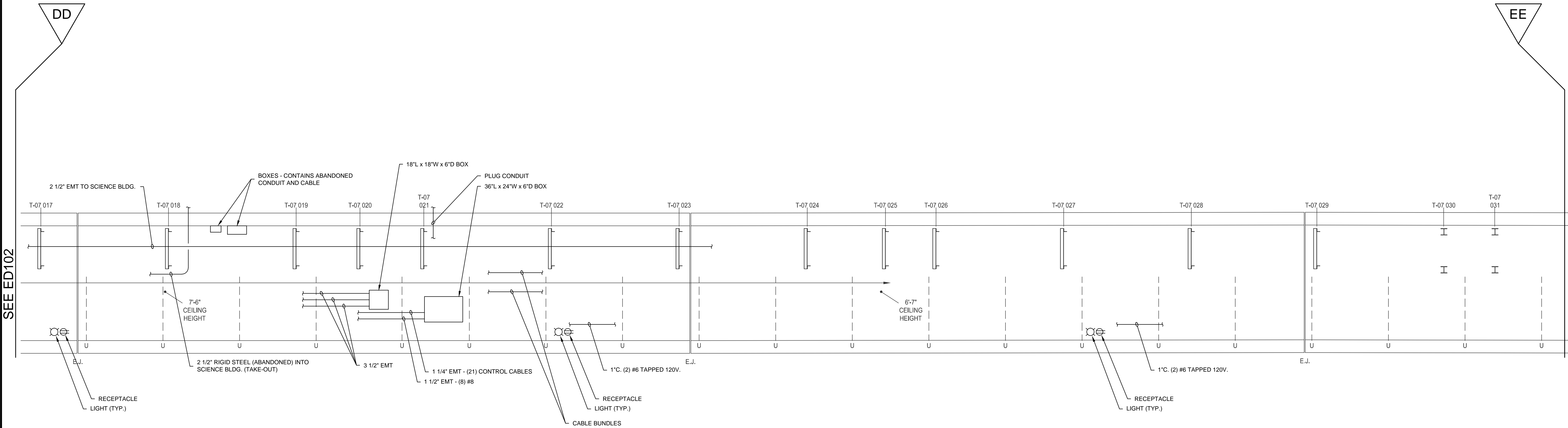
PLAN NOTES

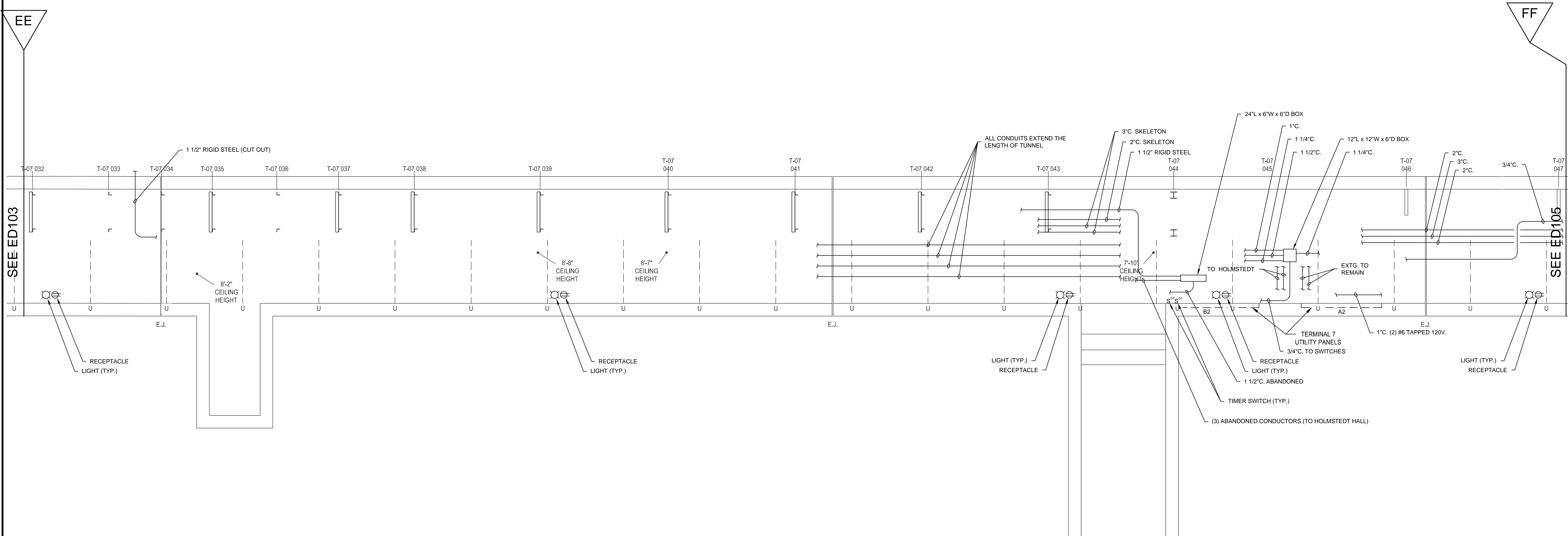
① -

PARTIAL (T-07) TUNNEL PLAN - DD - EE

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

NORTH





PARTIAL (T-07) TUNNEL PLAN - EE - FF
SCALE: 1/4" = 1'-0"
NORTH

DEMOLITION LEGEND:

- WORK TO BE REMOVED
WORK TO REMAIN

GENERAL NOTES

1. -

PLAN NOTES

1. -

DA #22063

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DANIEL E. DIMOND
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2/16/2023

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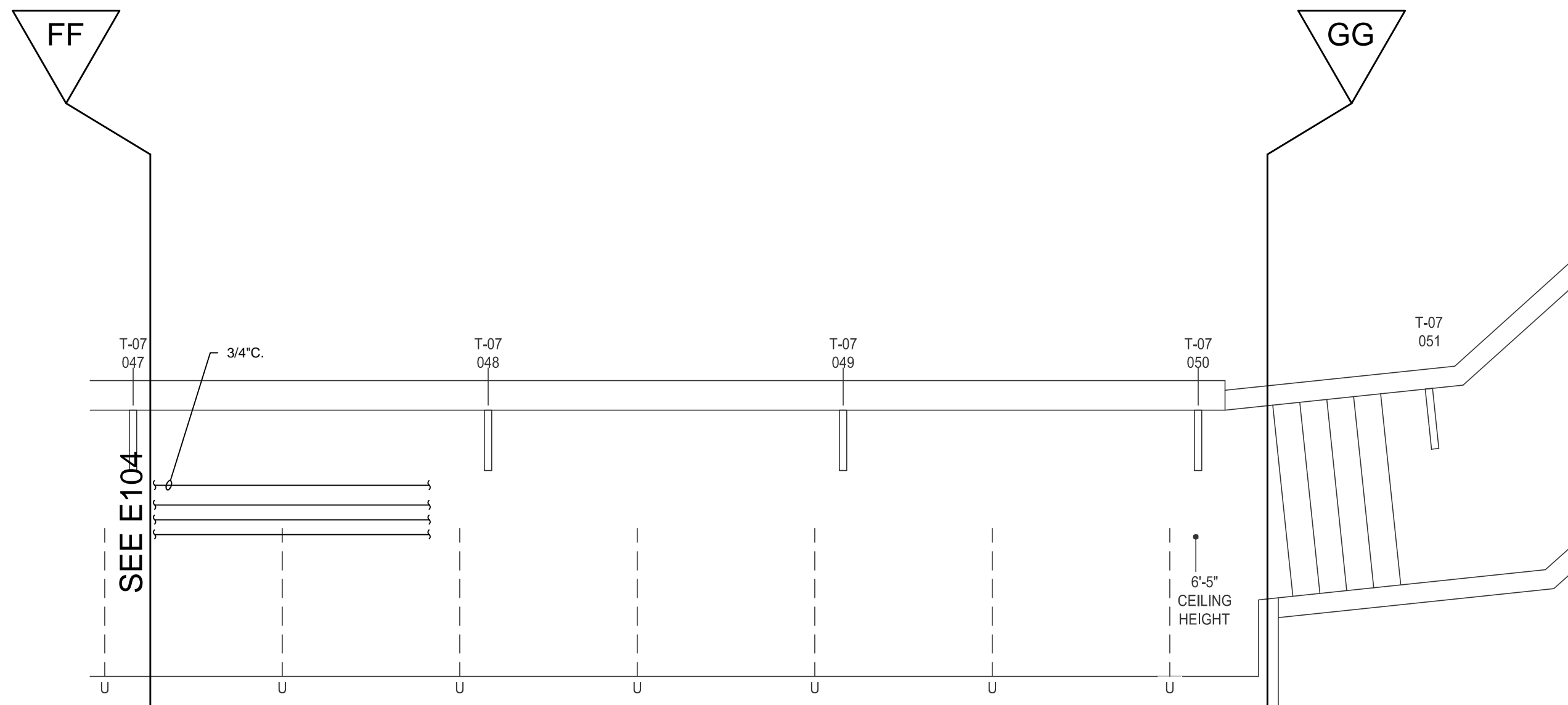
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ISU BID No. B0027822
INDIANA STATE UNIVERSITY
TERRE HAUTE, INDIANA

DRAWN BY:	DESIGNED BY:
D.E.W.	D.E.W.
SCALE:	CHECKED BY:
AS NOTED	D.E.D.
DATE:	JOB NO.:
2/16/2023	D.A. #22063

(T-07) TUNNEL
PLAN - EE - FF
ELECTRICAL
DEMOLITION

SHEET NUMBER:

ED104



PARTIAL (T-07) TUNNEL PLAN - FF - GG

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

NORTH

DEMOLITION LEGEND:


- WORK TO BE REMOVED
- WORK TO REMAIN

GENERAL NOTES

1. -

PLAN NOTES

① -

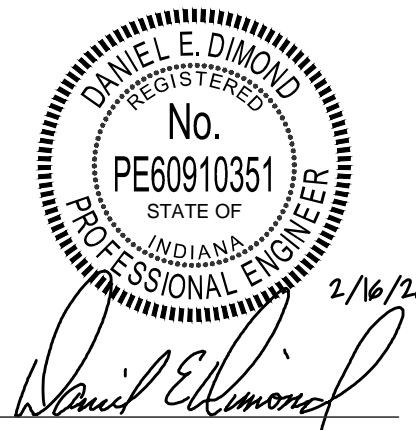


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PROJECT DESCRIPTION:

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ISU BID No. B0027822
INDIANA STATE UNIVERSITY
TERRE HAUTE, INDIANA

DRAWN BY:	D.E.W.	DESIGNED BY:	D.E.W.
SCALE:	AS NOTED	CHECKED BY:	D.E.D.
DATE:	2/16/2023	JOB NO.:	D.A. #22063

(T-07) TUNNEL
PLAN - FF - GG
ELECTRICAL
DEMOLITION

SHEET NUMBER:

ED105

CERTIFIED BY:

DANIEL E. DIMOND

REGISTERED

No.

PE600910351

STATE OF

INDIANA

PROFESSIONAL ENGINEER

2/16/2023

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DATE:	2/16/2023	JOB NO.:	D.A. #22063

(T-02) TUNNEL
PLAN - AA - BB
ELECTRICAL
(ALTERNATE #2)

SHEET NUMBER:

E101

RENOVATION LEGEND:

- WORK TO BE INSTALLED
- WORK TO REMAIN

GENERAL NOTES

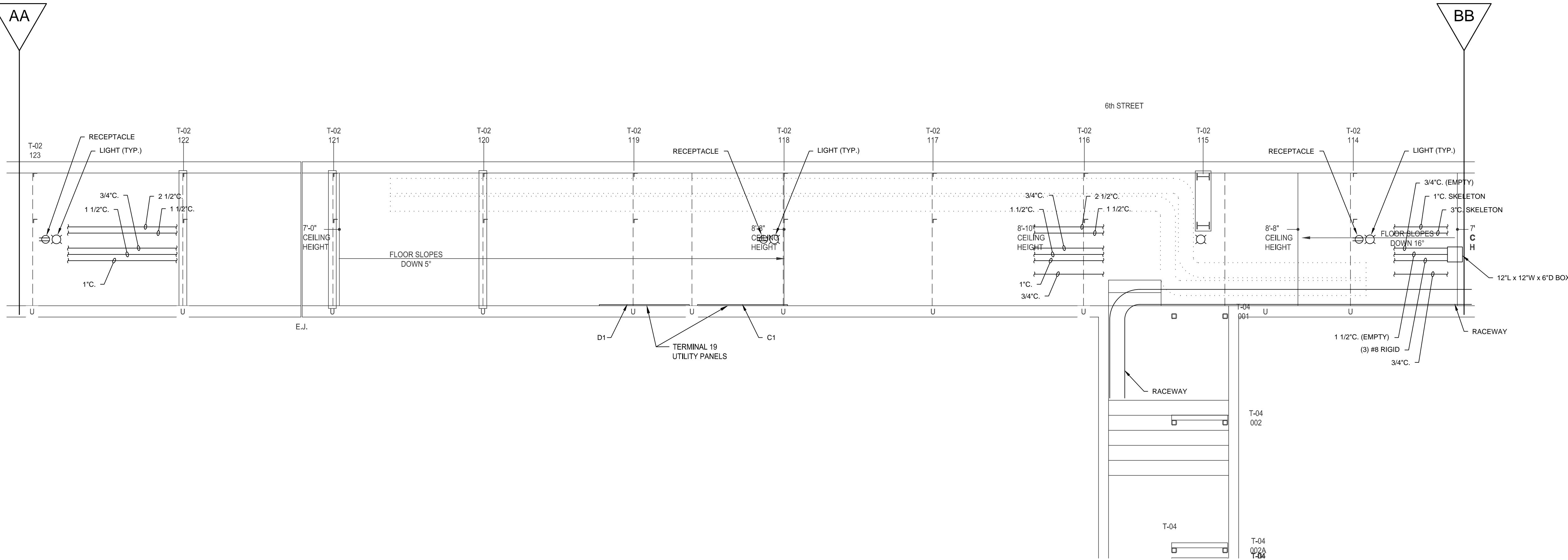
- ALL RACEWAY IN TUNNEL SHALL BE MINIMUM 3/4" GRs.
- RECEPTACLES SHALL BE DUPLEX GFCI TYPE WITH WEATHERPROOF COVER. INSTALL AT 48" AFF TO BOTTOM. HUBBELL GF5362 W/ WFPS26 OR MATCH EXISTING IN NEWER TUNNEL SECTION. PROVIDE DIE CAST FS BOX.
- ALL WIRING SHALL BE STRANDED COPPER W THHN/THWN/THWN-2 INSULATION.

PLAN NOTES

- RECONNECT TO EXISTING WIRING IN EXISTING JUNCTION BOX LOCATED IN THIS AREA.
- PROVIDE 3#6(PHASE), 3#6(NEUTRAL), 3#10(CONTROL?) IN 1-1/2" CONDUIT ALONG WALL OF TUNNEL FOR LIGHTING AND RECEPTACLE CIRCUITS. CONNECT TO EXISTING CIRCUITS THAT FED EXISTING LIGHT AND RECEPTACLES THAT ARE BEING REMOVED. VERIFY IN FIELD.
- ROUTE CONDUIT UP ALONG CEILING AT OPENINGS IN TUNNEL WALL. ALSO ADJUST ROUTING AS NECESSARY AT EXISTING TUNNEL WALL CONDUIT/CABLE PENETRATIONS AND BOXES.
- PROVIDE TIMER SWITCH FOR CONTROL OF NEW LIGHT FIXTURES IN SCOPE OF WORK.
- PROVIDE WIRE AND CONDUIT AS NEEDED TO PROVIDE CONNECTION BETWEEN EXISTING SWITCHES, FANS, RECEPTACLE, AND CIRCUIT IN NEW JUNCTION BOX.

LIGHT FIXTURES

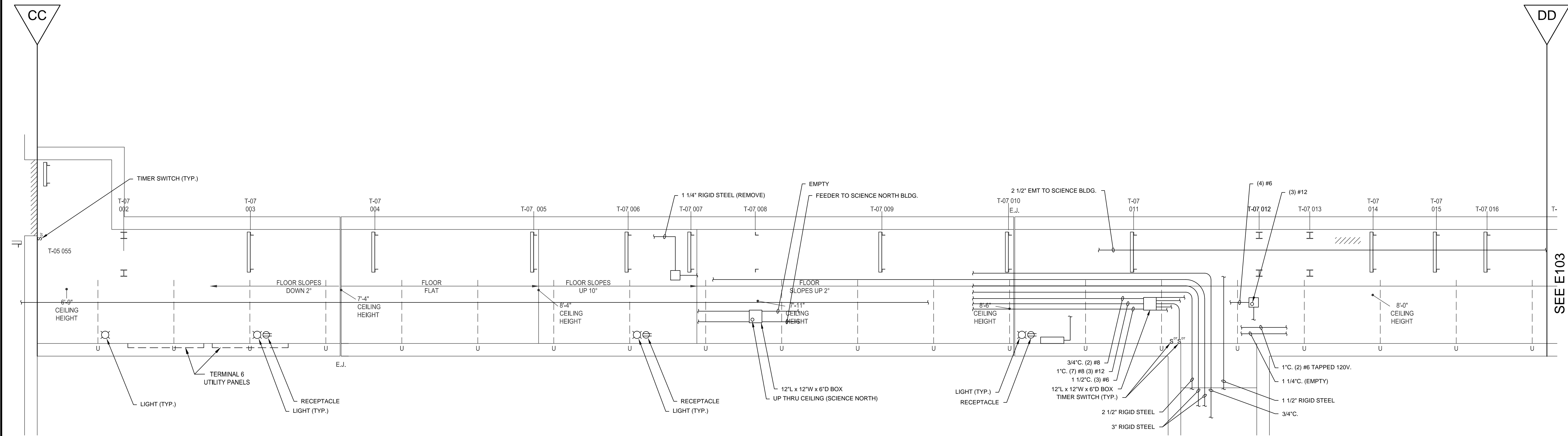
- F1 = 4' LONG LED STRIPLIGHT, FROSTED ACRYLIC LENS, WIREGUARD, 2700 NOMINAL LUMENS, 25 WATTS, 120 V, 3500 K (MATCH EXISTING), 5 YEAR WARRANTY. INSTALL HORIZONTAL ON WALL AT 45 DEGREE ANGLE UNDERNEATH CABLE TRAY, AT APPROX. 6'-0" AFF. USE 1/8" x 2" MOUNTING BRACKETS BENT AT 45 DEGREE ANGLE AND ANCHORED TO WALL WITH 1/4" DIAMETER CONCRETE WALL ANCHORS NEAR EACH END AT FIXTURE. MATCH INSTALLATION IN NEWER PART OF TUNNEL TO THE EAST. METALUX #4SNLED-LD4-27SL-LW-UNV-L835-CD1/U/WG/SNF-4FT-B



PARTIAL (T-02) TUNNEL PLAN - AA - BB

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





PARTIAL (T-07) TUNNEL PLAN - CC - DD
SCALE: 1/4" = 1'-0"





NORTH

LIGHT FIXTURES

1. F1 = 4' LONG LED STRIPLIGHT, FROSTED ACRYLIC LENS, WIREGUARD, 2700 NOMINAL LUMENS, 25 WATTS, 120 V, 3500 K (MATCH EXISTING), 5 YEAR WARRANTY. INSTALL HORIZONTAL ON WALL AT 45 DEGREE ANGLE UNDERNEATH CABLE TRAY, AT APPROX. 6'-0" AFF. USE 1/8" x 2" MOUNTING BRACKETS BENT AT 45 DEGREE ANGLE AND ANCHORED TO WALL WITH 1/4" DIAMETER CONCRETE WALL ANCHORS NEAR EACH END AT FIXTURE. MATCH INSTALLATION IN NEWER PART OF TUNNEL TO THE EAST. METALUX #4SNLED-LD4-27SL-LW-UNV-L835-CD1/UWG/SNF-4FT-B

RENOVATION LEGEND:

-  WORK TO BE INSTALLED
-  WORK TO REMAIN

GENERAL NOTES

1. ALL RACEWAY IN TUNNEL SHALL BE MINIMUM 3/4" GRS.
2. RECEPTACLES SHALL BE DUPLEX GFCI TYPE WITH WEATHERPROOF COVER. INSTALL AT 48" AFF TO BOTTOM. HUBBELL GF5362 W/ WPFS26 OR MATCH EXISTING IN NEWER TUNNEL SECTION. PROVIDE DIE CAST FS BOX.
3. ALL WIRING SHALL BE STRANDED COPPER WITH TYPE THHN/THWN/THWN-2 INSULATION.

PLAN NOTES

① -



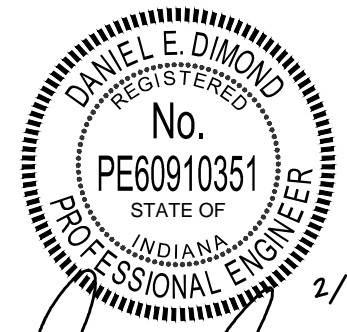
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CERTIFIED BY:



2/16/2023

REVISIONS:		
NO.	DESCRIPTION	DATE:

ARSEE ENGINEERS, INC.

CLIENT ORIENTED — BY DESIGN

9715 KINCAID DRIVE, SUITE 100 317/594-5152 PHONE
FISHERS, INDIANA 46037-9459 317/594-9590 FAX

PROJECT DESCRIPTION:

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ISU BID No. B0027822
INDIANA STATE UNIVERSITY
TERRE HAUTE, INDIANA

DRAWN BY:	DESIGNED BY:
D.E.W.	D.E.W.
SCALE:	CHECKED BY:
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2/16/2023	D.A. #22063

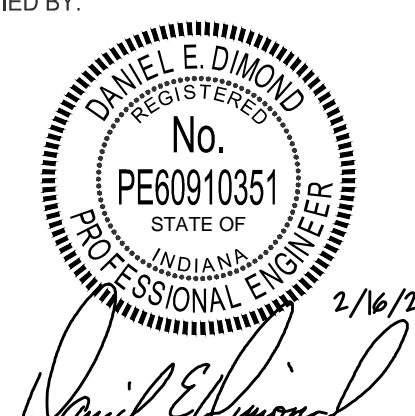
(T-07) TUNNEL
PLAN - CC - DD
-
ELECTRICAL

SHEET NUMBER:

E102

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CERTIFIED BY:



Daniel E. Dimond

REVISIONS:		
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

SHEET DESCRIPTION:

(T-07) TUNNEL
PLAN - DD - EE
-
ELECTRICAL

SHEET NUMBER:

E103

RENOVATION LEGEND:

-  WORK TO BE INSTALLED
-  WORK TO REMAIN

GENERAL NOTES

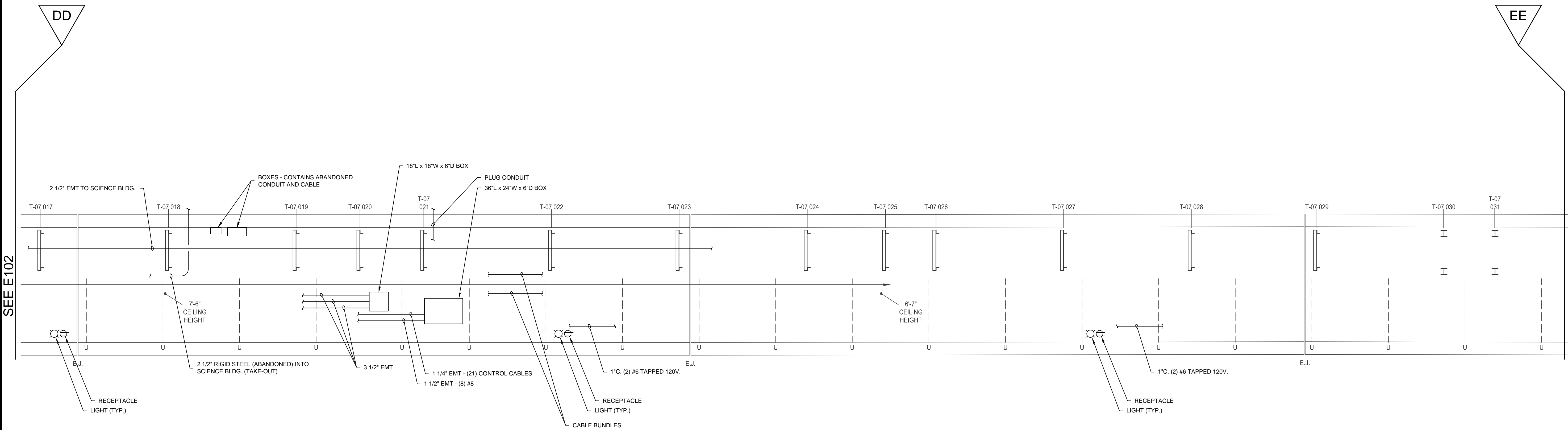
- ALL RACEWAY IN TUNNEL SHALL BE MINIMUM 3/4" GRS.
- RECEPTACLES SHALL BE DUPLEX GFCI TYPE WITH WEATHERPROOF COVER. INSTALL AT 48" AFF TO BOTTOM. HUBBELL GF5362 W/ WPFS26 OR MATCH EXISTING IN NEWER TUNNEL SECTION. PROVIDE DIE CAST FS BOX.
- ALL WIRING SHALL BE STRANDED COPPER WITH TYPE THHN/THWN/THWN-2 INSULATION.

PLAN NOTES

① -

LIGHT FIXTURES

- F1 = 4' LONG LED STRIPLIGHT, FROSTED ACRYLIC LENS, WIREGUARD, 2700 NOMINAL LUMENS, 25 WATTS, 120 V, 3500 K (MATCH EXISTING), 5 YEAR WARRANTY. INSTALL HORIZONTAL ON WALL AT 45 DEGREE ANGLE UNDERNEATH CABLE TRAY, AT APPROX. 6'-0" AFF. USE 1/8" x 2" MOUNTING BRACKET'S BENT AT 45 DEGREE ANGLE AND ANCHORED TO WALL WITH 1/4" DIAMETER CONCRETE WALL ANCHORS NEAR EACH END AT FIXTURE. MATCH INSTALLATION IN NEWER PART OF TUNNEL TO THE EAST. METALUX #4SNLED-LD4-27SL-LW-UNV-L835-CD1/U/WG/SNF-4FT-B

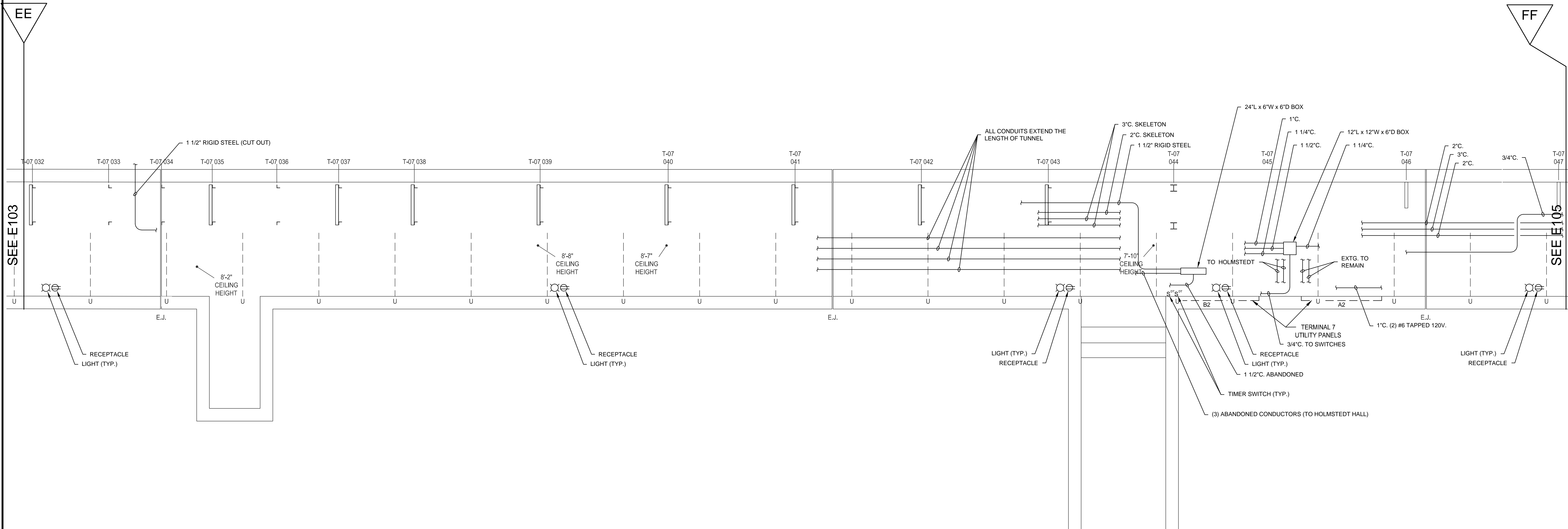


PARTIAL (T-07) TUNNEL PLAN - DD - EE

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



NORTH



PARTIAL (T-07) TUNNEL PLAN - EE - FF
SCALE: 1/4" = 1'-0"
NORTH

LIGHT FIXTURES

- F1 = 4' LONG LED STRIPLIGHT, FROSTED ACRYLIC LENS, WIREGUARD, 2700 NOMINAL LUMENS, 25 WATTS, 120 V, 3500 K (MATCH EXISTING), 5 YEAR WARRANTY. INSTALL HORIZONTAL ON WALL AT 45 DEGREE ANGLE UNDERNEATH CABLE TRAY, AT APPROX. 6'-0" AFF. USE 1/8" x 2" MOUNTING BRACKETS BENT AT 45 DEGREE ANGLE AND ANCHORED TO WALL WITH 1/4" DIAMETER CONCRETE WALL ANCHORS NEAR EACH END AT FIXTURE. MATCH INSTALLATION IN NEWER PART OF TUNNEL TO THE EAST. METALUX #4SNLED-LD4-27SL-LW-UNV-L835-CD1/U/WG/SNF-4FT-B

RENOVATION LEGEND:

- WORK TO BE INSTALLED
- WORK TO REMAIN

GENERAL NOTES

- ALL RACEWAY IN TUNNEL SHALL BE MINIMUM 3/4" GRS.
- RECEPTACLES SHALL BE DUPLEX GFCI TYPE WITH WEATHERPROOF COVER. INSTALL AT 48" AFF TO BOTTOM. HUBBELL GF5362 W/ WPFS26 OR MATCH EXISTING IN NEWER TUNNEL SECTION. PROVIDE DIE CAST FS BOX.
- ALL WIRING SHALL BE STRANDED COPPER WITH TYPE THHN/THWN/THWN-2 INSULATION.

PLAN NOTES

① -

DA #22063

R.E. Dimond
and Associates, Inc.
Consulting Engineers
732 North Capitol Avenue
Indianapolis, IN 46204
Phone: (317) 634-4672
Fax: (317) 638-8725

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CERTIFIED BY:

DANIEL E. DIMOND
REGISTERED
No. PE600910351
STATE OF INDIANA
PROFESSIONAL ENGINEER
2/16/2023

REVISIONS:		
NO.	DESCRIPTION	DATE:

ARSEE ENGINEERS, INC.
CLIENT ORIENTED — BY DESIGN
9715 KINCAID DRIVE, SUITE 100 317/594-5152 PHONE
FISHERS, INDIANA 46037-8459 317/594-9590 FAX

PROJECT DESCRIPTION:

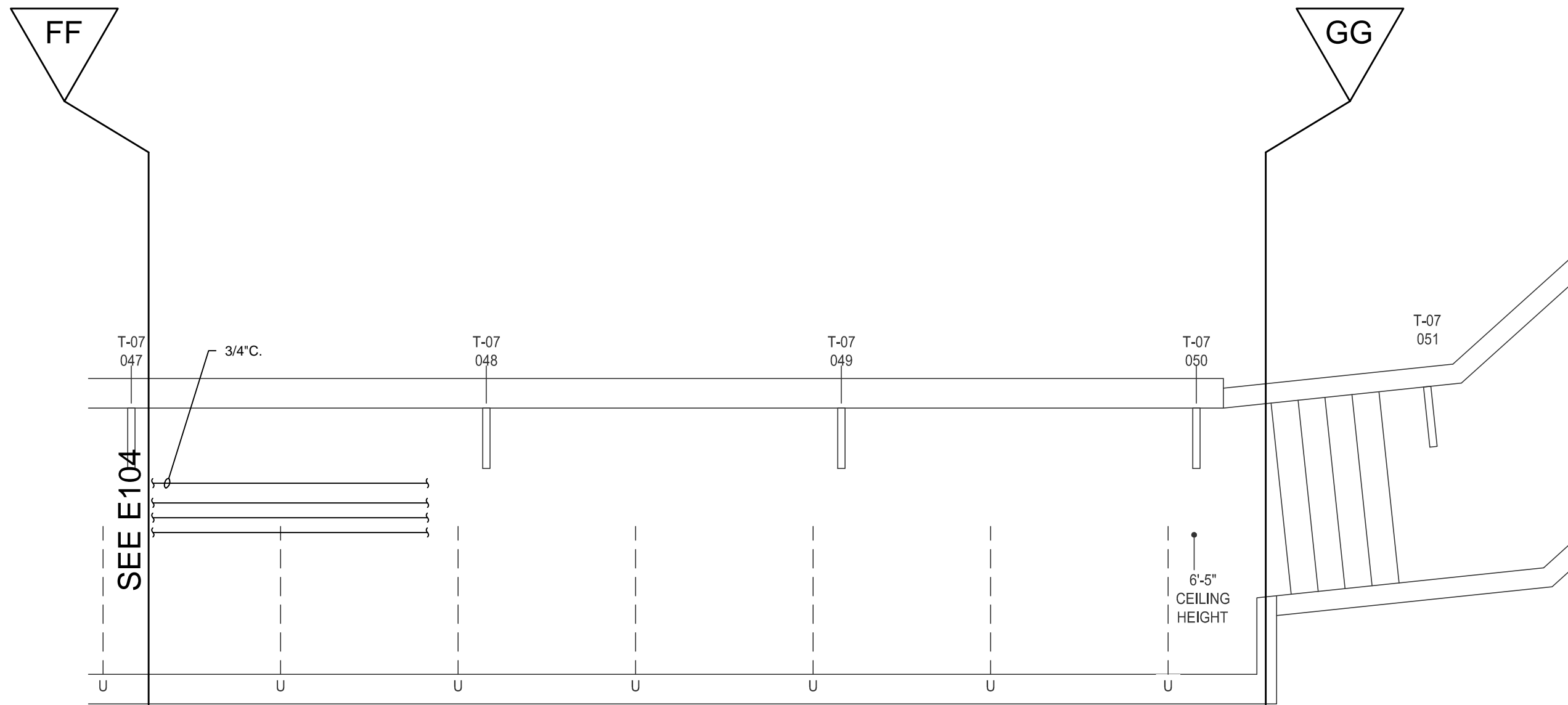
TUNNEL REPAIRS 2023
ISU BID No. B0027822
INDIANA STATE UNIVERSITY
TERRE HAUTE, INDIANA

DRAWN BY:	DESIGNED BY:
D.E.W.	D.E.W.
SCALE:	CHECKED BY:
AS NOTED	D.E.D.
DATE:	JOB NO.:
2/16/2023	D.A. #22063

(T-07) TUNNEL
PLAN - EE - FF
-
ELECTRICAL

SHEET NUMBER:

E104



PARTIAL (T-07) TUNNEL PLAN - FF - GG

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

NORTH

RENOVATION LEGEND:

- WORK TO BE INSTALLED
- WORK TO REMAIN

GENERAL NOTES

1. ALL RACEWAY IN TUNNEL SHALL BE MINIMUM 3/4" GRs.
2. RECEPTACLES SHALL BE DUPLEX GFCI TYPE WITH WEATHERPROOF COVER. INSTALL AT 48" AFF TO BOTTOM. HUBBELL GF5362 W/ WPFS26 OR MATCH EXISTING IN NEWER TUNNEL SECTION. PROVIDE DIE CAST FS BOX.
3. ALL WIRING SHALL BE STRANDED COPPER WITH TYPE THHN/THWN/THWN-2 INSULATION.

PLAN NOTES

① .

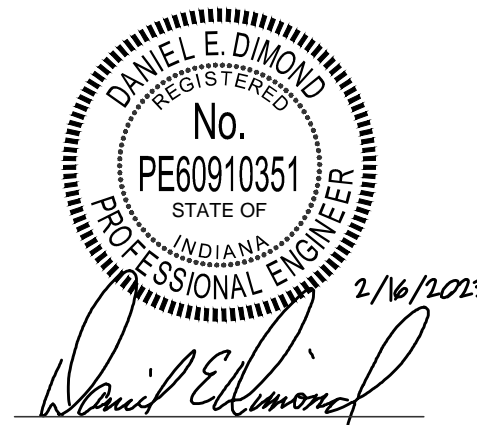
DA #22063



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and Associates, Inc.
Consulting Engineers
732 North Capitol Avenue
Indianapolis, IN 46204
Phone: (317) 634-4672
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REVISIONS:

NO.	DESCRIPTION	DATE:

ARSEE ENGINEERS, INC.

CLIENT ORIENTED — BY DESIGN

9715 KINCAID DRIVE, SUITE 100 317/594-5152 PHONE
FISHERS, INDIANA 46037-9459 317/594-6990 FAX

PROJECT DESCRIPTION:

TUNNEL REPAIRS 2023
ISU BID No. B0027822
INDIANA STATE UNIVERSITY
TERRE HAUTE, INDIANA

DRAWN BY: D.E.W.	DESIGNED BY: D.E.W.
SCALE: AS NOTED	CHECKED BY: D.E.D.
DATE: 2/16/2023	JOB NO.: D.A. #22063

SHEET DESCRIPTION:

(T-07) TUNNEL
PLAN - FF - GG
-
ELECTRICAL

SHEET NUMBER:

E105

P:\22104\Cad\FOR BID Dtd 2-16-2023\R101-R106.dwg 2/13/23 - 12:50 PM

NOTE TO BIDDERS:
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QUANTITY OF MATERIALS, LABOR AND OTHER SERVICES REQUIRED TO SAFELY
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CONCRETE REPAIR PROCEDURES

OCP - OVERHEAD CONCRETE PATCHING
VCP - VERTICAL CONCRETE PATCHING
CR - CRACK REPAIR ON CEILING
VWC - CRACK REPAIR ON WALL

(REFERENCE R106 FOR TYPICAL DETAIL)

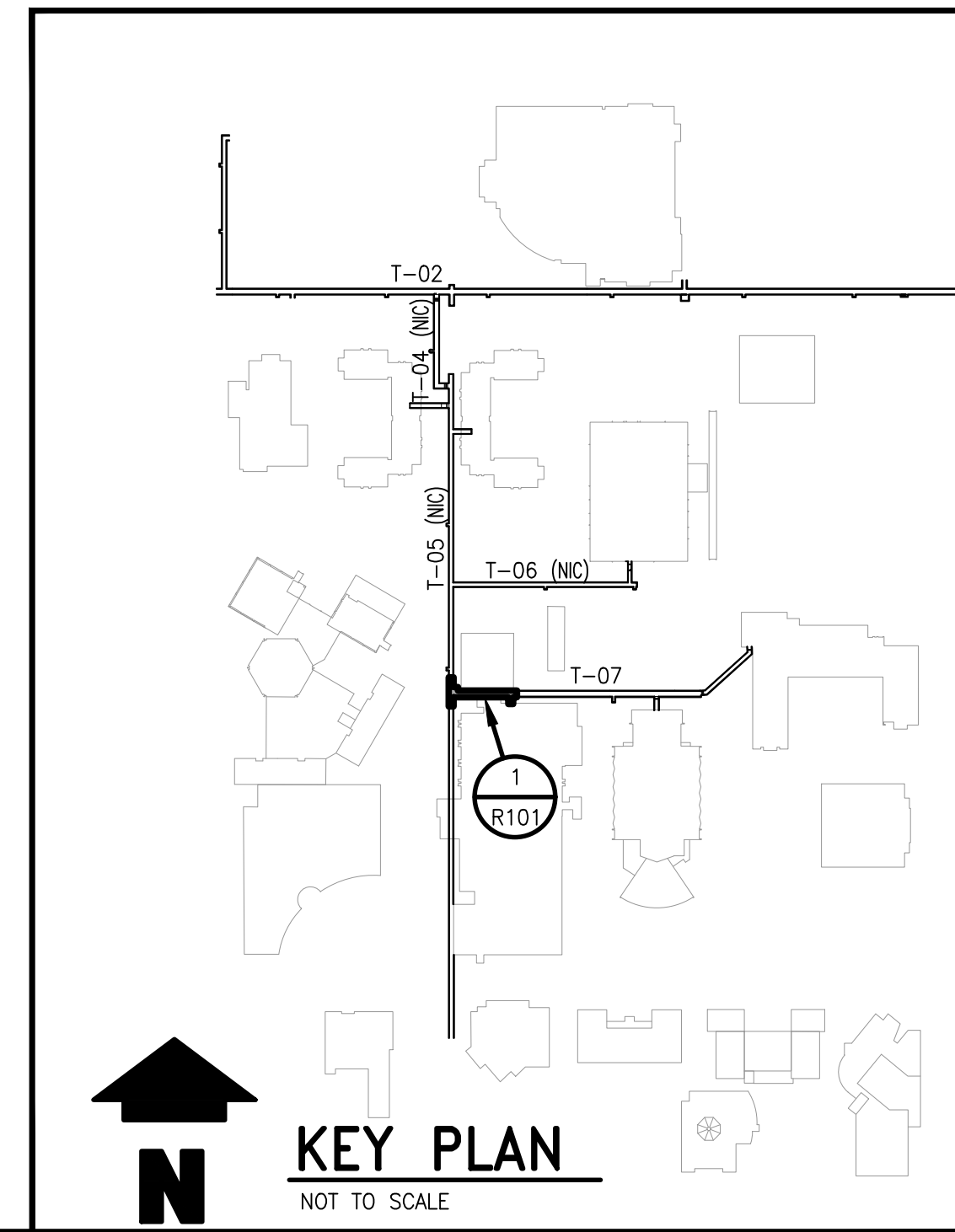
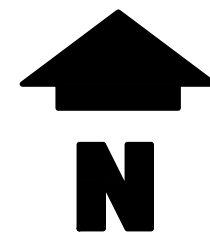
LEGEND

- OVERHEAD CONCRETE REPAIR AREA
- VERTICAL CONCRETE REPAIR AREA
- CONCRETE CRACK REPAIR
- T-## TUNNEL NUMBER
- ### PIPE RACK NUMBER
- PIPE RACK
- EMBEDDED CHANNEL STRUT
- FD FLOOR DRAIN

PARTIAL TUNNEL PLAN T-07 FRAMES 001-013

1/4"=1'-0"

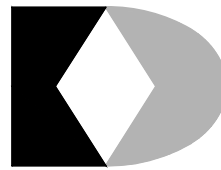
1
R101



KEY PLAN

NOT TO SCALE

SEE 1/R102



DA #22063

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CERTIFIED BY:



REVISIONS:

NO.	DESCRIPTION	DATE:

ARSEE ENGINEERS, INC.

CLIENT ORIENTED — BY DESIGN
9715 KINCAID DRIVE, SUITE 100 317/594-5152 PHONE
FISHERS, INDIANA 46037-9459 317/594-9590 FAX

PROJECT DESCRIPTION:

TUNNEL REPAIRS 2023
ISU BID No. B0027822
INDIANA STATE UNIVERSITY
TERRE HAUTE, INDIANA

DRAWN BY: JND DESIGNED BY: BRW
SCALE: 1/4"=1'-0" CHECKED BY: BRW
DATE: FEBRUARY 16, 2023 JOB NO.: D.A.#22063

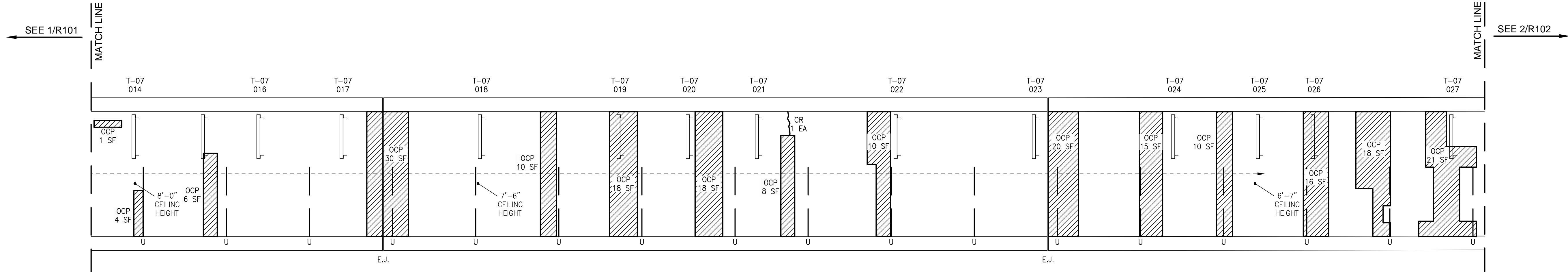
SHEET DESCRIPTION:

TUNNEL REPAIR PLAN
T-07 FRAMES
001 - 013
(ALTERNATE #1)

SHEET NUMBER:

R101

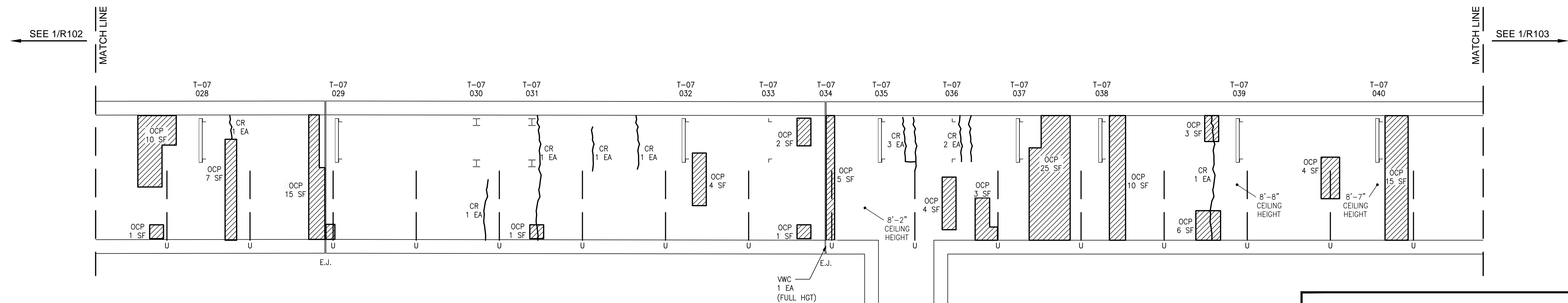
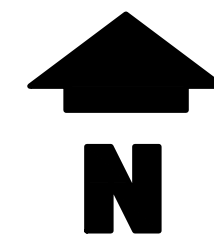
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PARTIAL TUNNEL PLAN
T-07 FRAMES 014-027

1/4"=1'-0"

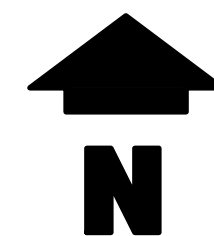
1
R102



PARTIAL TUNNEL PLAN
T-07 FRAMES 028-041

1/4"=1'-0"

2
R102



NOTE TO BIDDERS:
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COMPLETE THE SPECIFIED REPAIRS AND SHALL INCLUDE THESE IN THEIR BID.

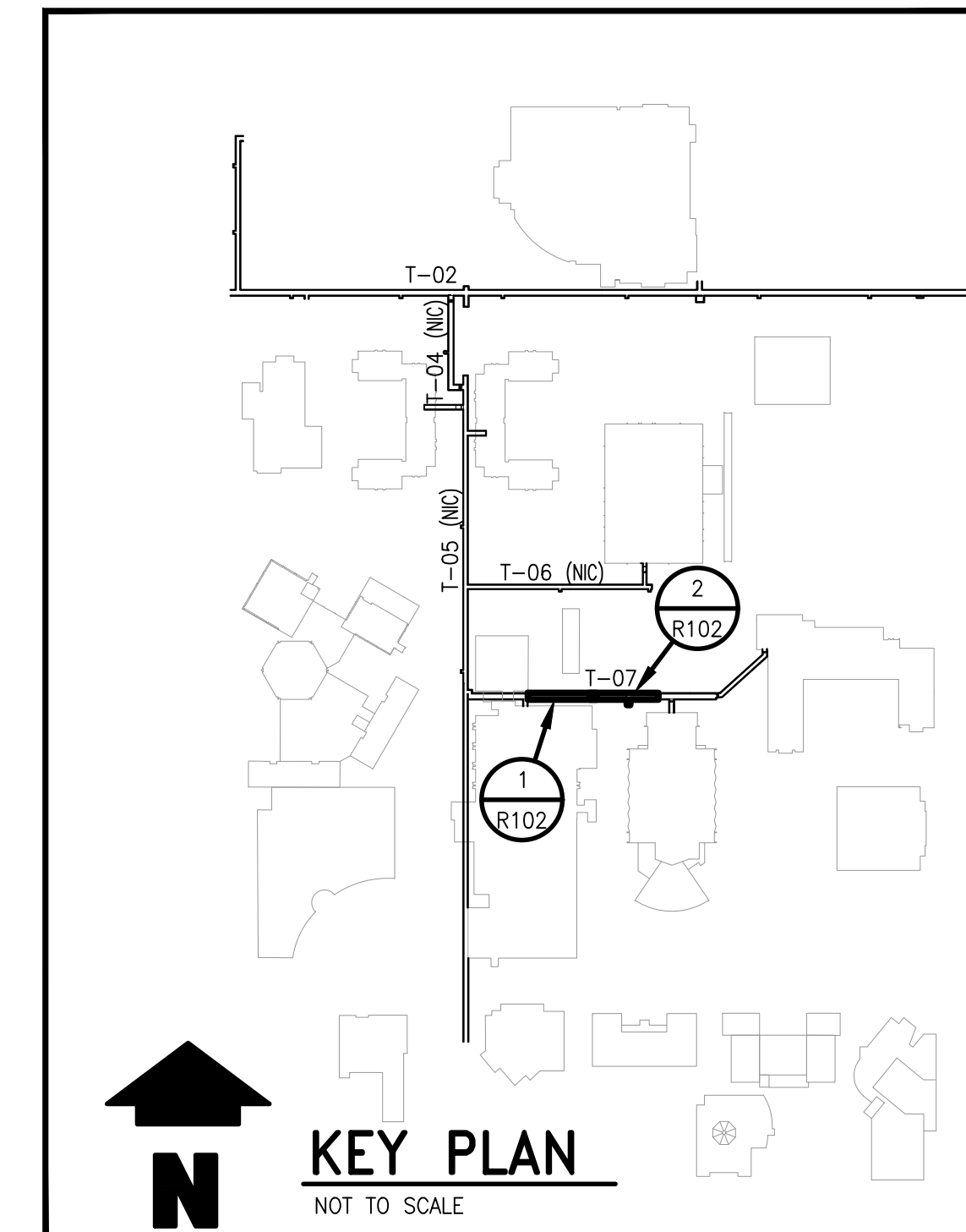
CONCRETE REPAIR PROCEDURES

OCP - OVERHEAD CONCRETE PATCHING
VCP - VERTICAL CONCRETE PATCHING
CR - CRACK REPAIR ON CEILING
VWC - CRACK REPAIR ON WALL

(REFERENCE R106 FOR TYPICAL DETAIL)

LEGEND

- OVERHEAD CONCRETE REPAIR AREA
- VERTICAL CONCRETE REPAIR AREA
- CONCRETE CRACK REPAIR
- T-## TUNNEL NUMBER
PIPE RACK NUMBER
- PIPE RACK
- EMBEDDED CHANNEL STRUT
- FD FLOOR DRAIN



DA #22063

R.E. Dimond
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Consulting Engineers
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CERTIFIED BY:



REVISIONS:

NO.	DESCRIPTION	DATE:

ARSEE ENGINEERS, INC.

CLIENT ORIENTED — BY DESIGN
9715 KINCAID DRIVE, SUITE 100 317/594-5152 PHONE
FISHERS, INDIANA 46037-9459 317/594-9590 FAX

PROJECT DESCRIPTION:

TUNNEL REPAIRS 2023
ISU BID No. B0027822
INDIANA STATE UNIVERSITY
TERRE HAUTE, INDIANA

DRAWN BY: JND DESIGNED BY: BRW
SCALE: 1/4"=1'-0" CHECKED BY: BRW
DATE: FEBRUARY 16, 2023 JOB NO.: D.A.#22063

SHEET DESCRIPTION:
TUNNEL REPAIR PLAN
T-07 FRAMES
014 - 041
(ALTERNATE #1)

SHEET NUMBER:

R102

P:\22104\Cad\FOR BID Dtd 2-16-2023\R101-R106.dwg 2/13/23 -- 12:51 PM

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QUANTITY OF MATERIALS, LABOR AND OTHER SERVICES REQUIRED TO SAFELY
COMPLETE THE SPECIFIED REPAIRS AND SHALL INCLUDE THESE IN THEIR BID.

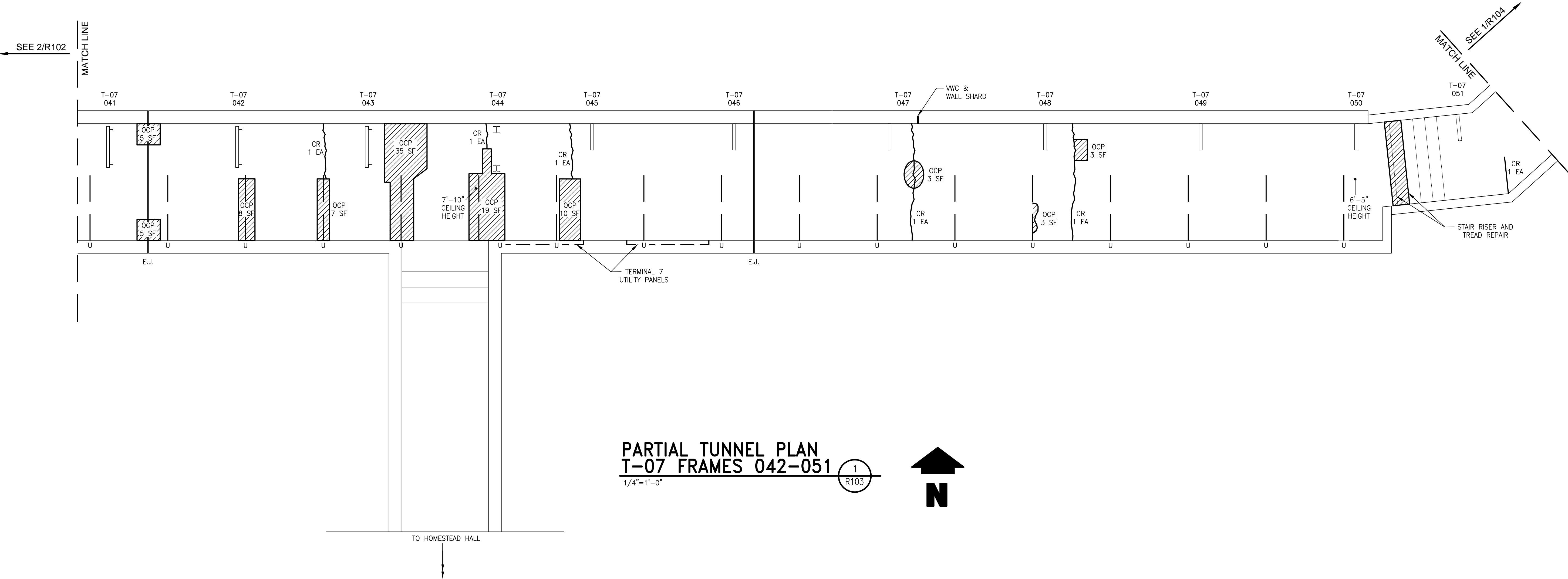
CONCRETE REPAIR PROCEDURES

OCP - OVERHEAD CONCRETE PATCHING
VCP - VERTICAL CONCRETE PATCHING
CR - CRACK REPAIR ON CEILING
VWC - CRACK REPAIR ON WALL

(REFERENCE R106 FOR TYPICAL DETAIL)

LEGEND

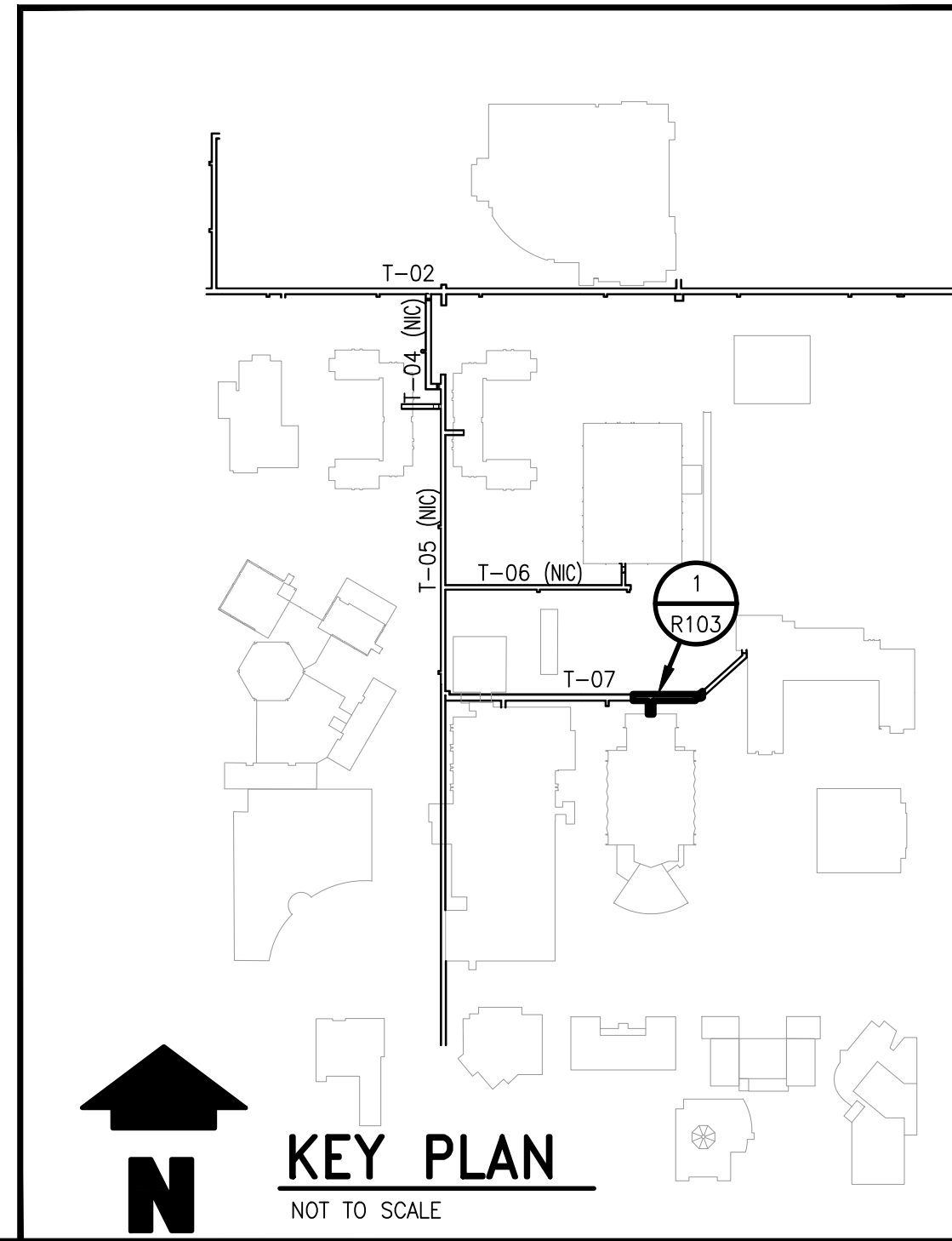
- OVERHEAD CONCRETE REPAIR AREA
- VERTICAL CONCRETE REPAIR AREA
- CONCRETE CRACK REPAIR
- T-## TUNNEL NUMBER
- ### PIPE RACK NUMBER
- PIPE RACK
- EMBEDDED CHANNEL STRUT
- FD FLOOR DRAIN



PARTIAL TUNNEL PLAN
T-07 FRAMES 042-051

1/4"=1'-0"

1
R103



DA #22063

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Consulting Engineers
732 North Capitol Avenue
Indianapolis, IN 46204
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CERTIFIED BY:



REVISIONS:

NO.	DESCRIPTION	DATE:

ARSEE ENGINEERS, INC.

CLIENT ORIENTED — BY DESIGN
9715 KINCAID DRIVE, SUITE 100 317/594-5152 PHONE
FISHERS, INDIANA 46037-9459 317/594-9590 FAX

PROJECT DESCRIPTION:

TUNNEL REPAIRS 2023
ISU BID No. B0027822
INDIANA STATE UNIVERSITY
TERRE HAUTE, INDIANA

DRAWN BY: JND DESIGNED BY: BRW
SCALE: 1/4"=1'-0" CHECKED BY: BRW
DATE: FEBRUARY 16, 2023 JOB NO.: D.A.#22063

SHEET DESCRIPTION:

TUNNEL REPAIR PLAN
T-07 FRAMES
042 - 051
(ALTERNATE #1)

SHEET NUMBER:

R103

P:\22104\Cad\FOR BID Dtd 2-16-2023\R101-R106.dwg 2/13/23 -- 12:51 PM

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QUANTITY OF MATERIALS, LABOR AND OTHER SERVICES REQUIRED TO SAFELY
COMPLETE THE SPECIFIED REPAIRS AND SHALL INCLUDE THESE IN THEIR BID.

CONCRETE REPAIR PROCEDURES

- OCF - OVERHEAD CONCRETE PATCHING
VCP - VERTICAL CONCRETE PATCHING
CR - CRACK REPAIR ON CEILING
VWC - CRACK REPAIR ON WALL

(REFERENCE R106 FOR TYPICAL DETAIL)

LEGEND

OVERHEAD CONCRETE REPAIR AREA

VERTICAL CONCRETE REPAIR AREA

T-##

TUNNEL NUMBER

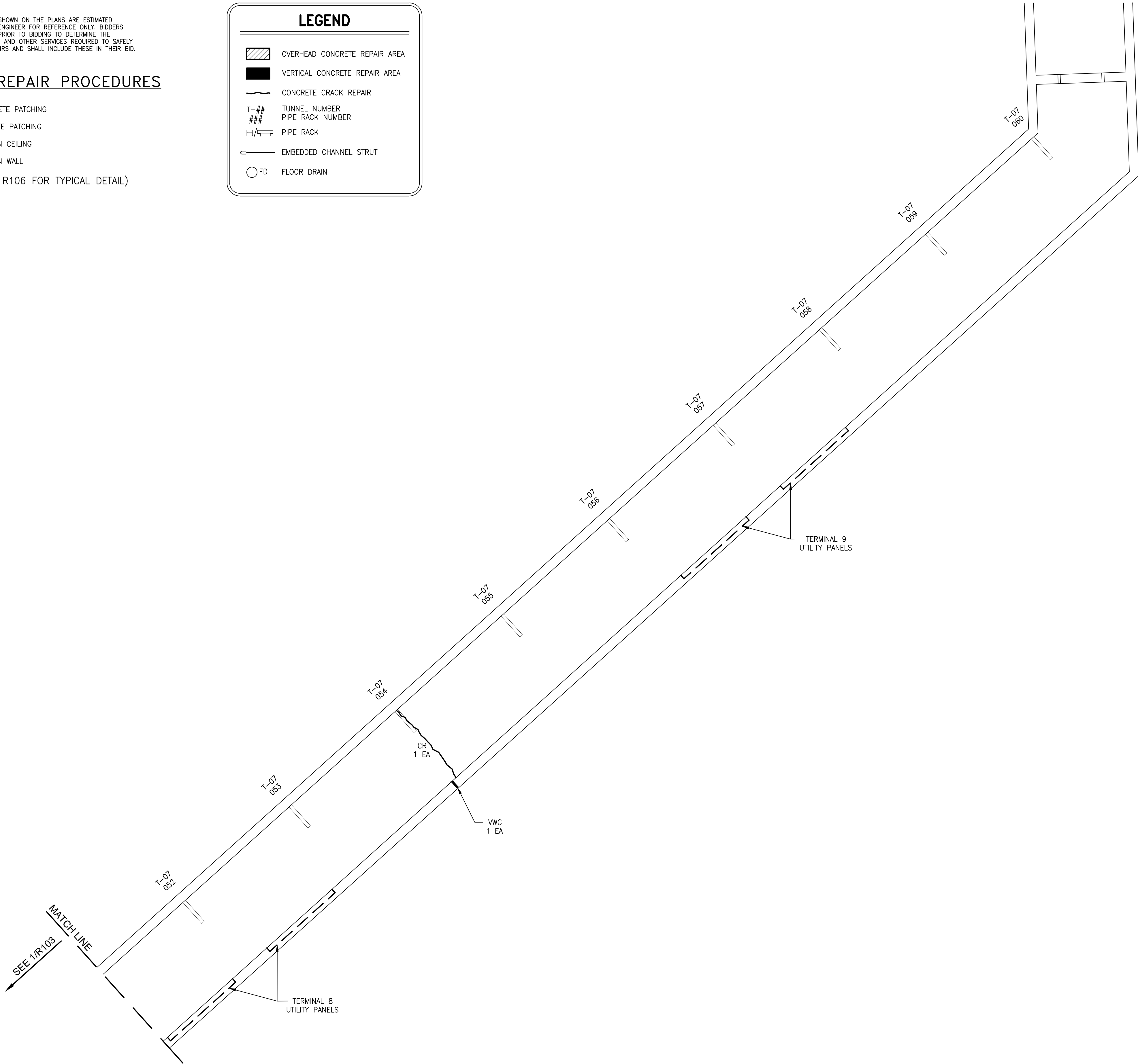
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PIPE RACK NUMBER

H/T

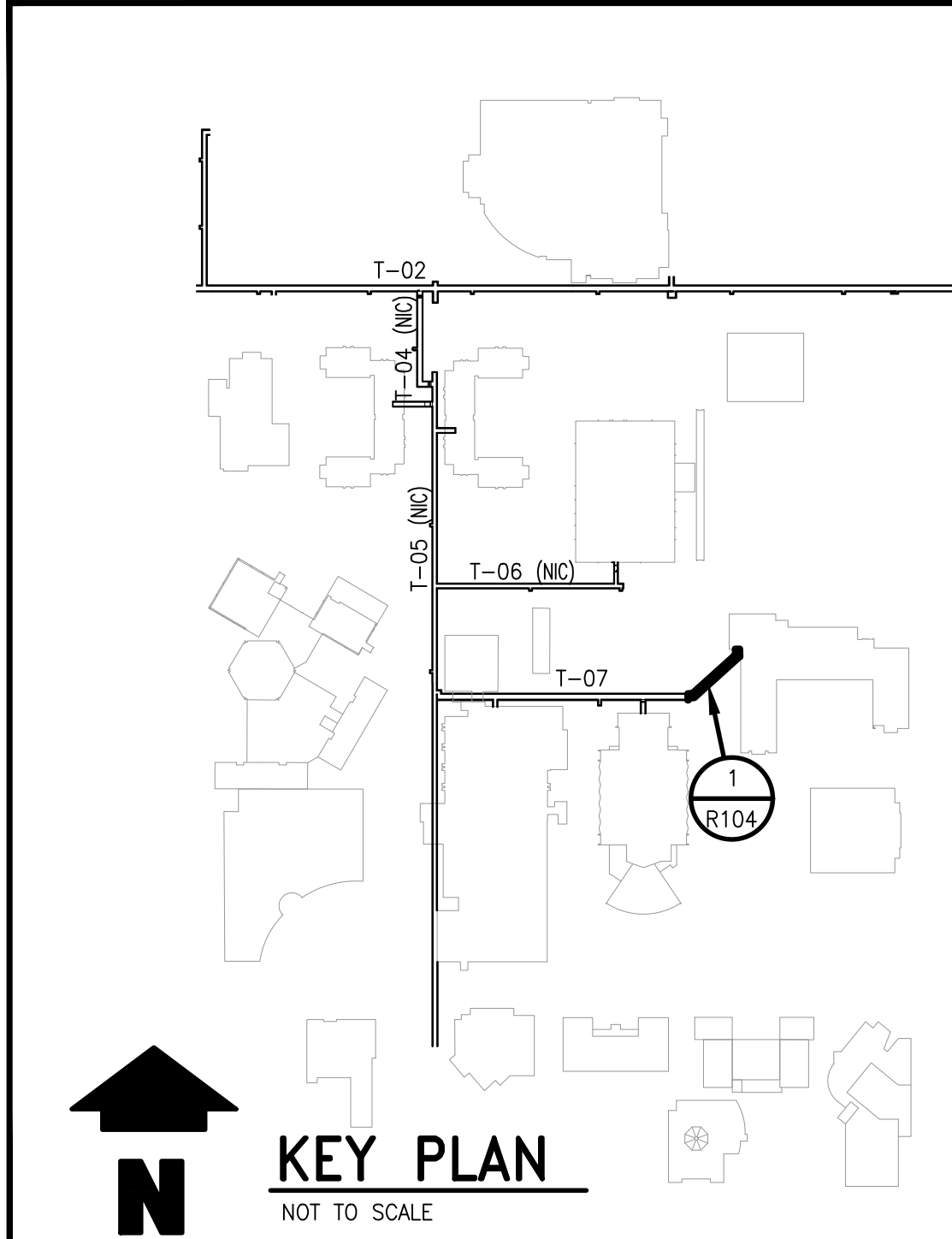
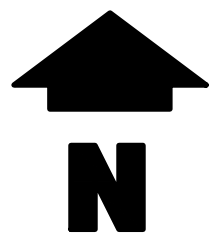
PIPE RACKEMBEDDED CHANNEL STRUT

○ FD

FLOOR DRAIN

PARTIAL TUNNEL PLAN
T-07 FRAMES 052-060
1/4"=1'-0"

1
R104



DA #22063

R.E. Dimond

and Associates, Inc.

Consulting Engineers

732 North Capitol Avenue
Indianapolis, IN 46204
Phone: (317) 634-4672
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CERTIFIED BY:

BRYAN R. WILSON

REGISTERED

No.

PE11500318

STATE OF INDIANA

PROFESSIONAL ENGINEER

REVISIONS:		
NO.	DESCRIPTION	DATE:

ARSEE ENGINEERS, INC.

CLIENT ORIENTED — BY DESIGN

9715 KINCAID DRIVE, SUITE 100
FISHERS, INDIANA 46037-9459

317/594-5152 PHONE
317/594-9590 FAX

PROJECT DESCRIPTION:

TUNNEL REPAIRS 2023
ISU BID No. B0027822
INDIANA STATE UNIVERSITY
TERRE HAUTE, INDIANA

DRAWN BY:	JND	DESIGNED BY:	BRW
SCALE:	1/4"=1'-0"	CHECKED BY:	BRW
DATE:	FEBRUARY 16, 2023	JOB NO.:	D.A.#22063

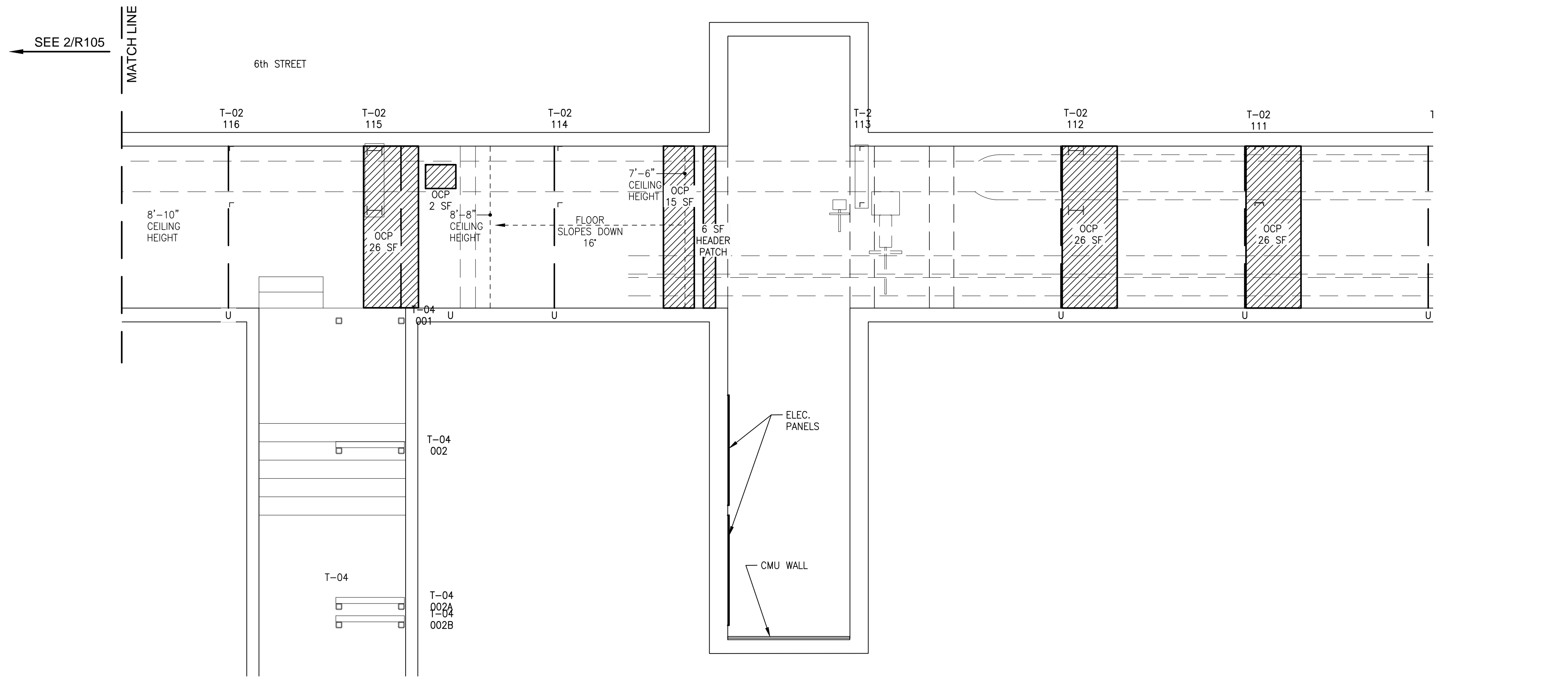
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TUNNEL REPAIR PLAN
T-07 FRAMES
052 - 060
(ALTERNATE #1)

SHEET NUMBER:

R104

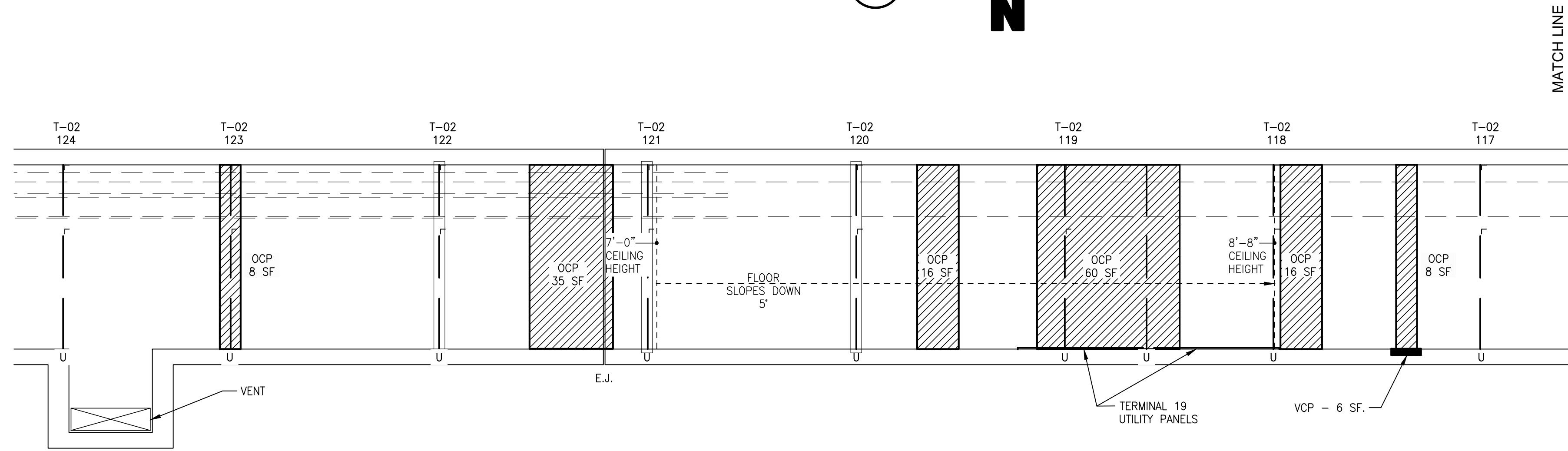
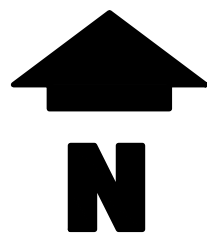
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PARTIAL TUNNEL PLAN
T-02 FRAMES 111-117

1/4"=1'-0"

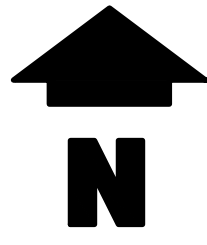
1
R105



PARTIAL TUNNEL PLAN
T-02 FRAMES 118-123

1/4"=1'-0"

2
R105



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CONCRETE REPAIR PROCEDURES

OCP - OVERHEAD CONCRETE PATCHING
VCP - VERTICAL CONCRETE PATCHING
CR - CRACK REPAIR ON CEILING
VWC - CRACK REPAIR ON WALL

(REFERENCE R106 FOR TYPICAL DETAIL)

LEGEND

OVERHEAD CONCRETE REPAIR AREA

VERTICAL CONCRETE REPAIR AREA

CONCRETE CRACK REPAIR

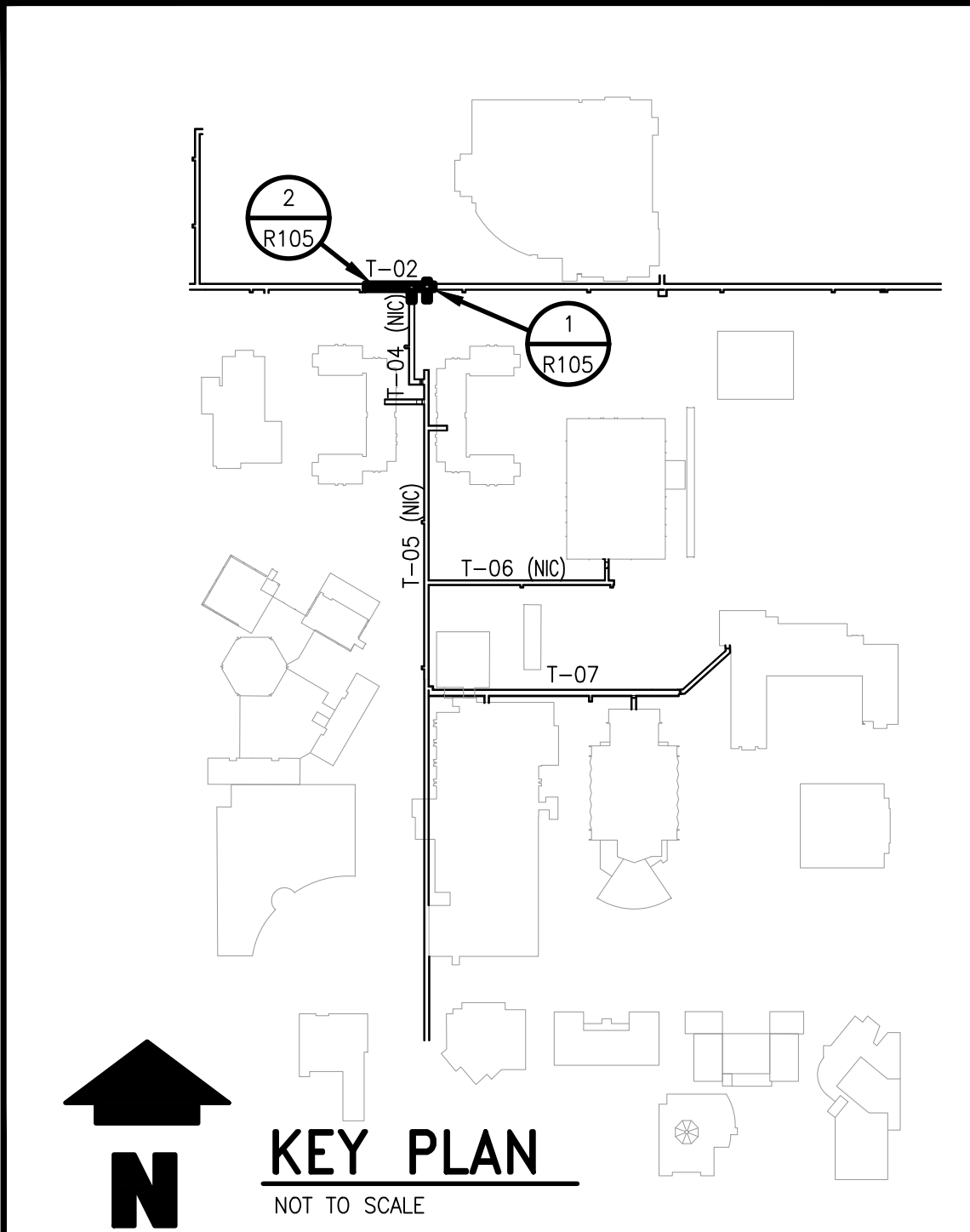
TUNNEL NUMBER

PIPE RACK NUMBER

PIPE RACK

EMBEDDED CHANNEL STRUT

FLOOR DRAIN



KEY PLAN

NOT TO SCALE

DA #22063

R.E. Dimond
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Consulting Engineers
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CERTIFIED BY:

REVISIONS:

NO.	DESCRIPTION	DATE:

ARSEE ENGINEERS, INC.
CLIENT ORIENTED — BY DESIGN
9715 KINCAID DRIVE, SUITE 100 317/594-5152 PHONE
FISHERS, INDIANA 46037-9459 317/594-9590 FAX

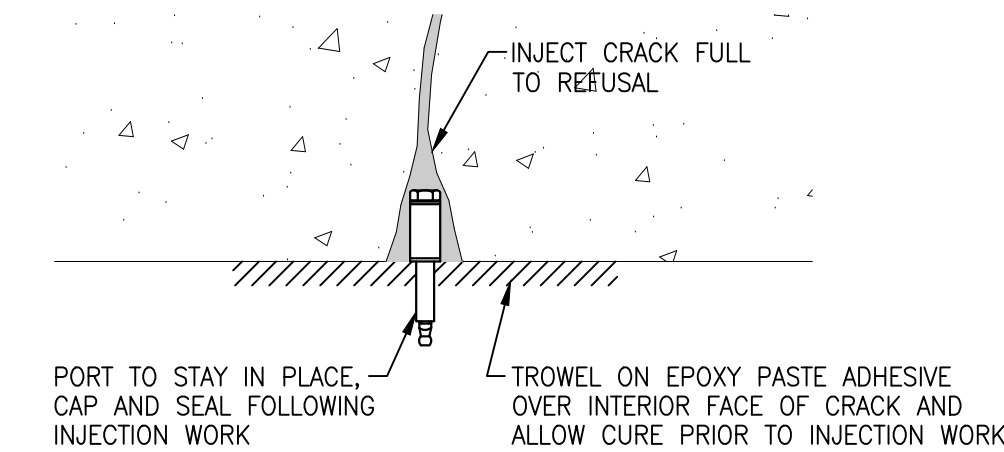
PROJECT DESCRIPTION:
TUNNEL REPAIRS 2023
ISU BID No. B0027822
INDIANA STATE UNIVERSITY
TERRE HAUTE, INDIANA

DRAWN BY: JND	DESIGNED BY: BRW
SCALE: 1/4"=1'-0"	CHECKED BY: BRW
DATE: FEBRUARY 16, 2023	JOB NO.: D.A.#22063

SHEET DESCRIPTION:
TUNNEL REPAIR PLAN
T-02 FRAMES
111 - 123
(ALTERNATE #3)

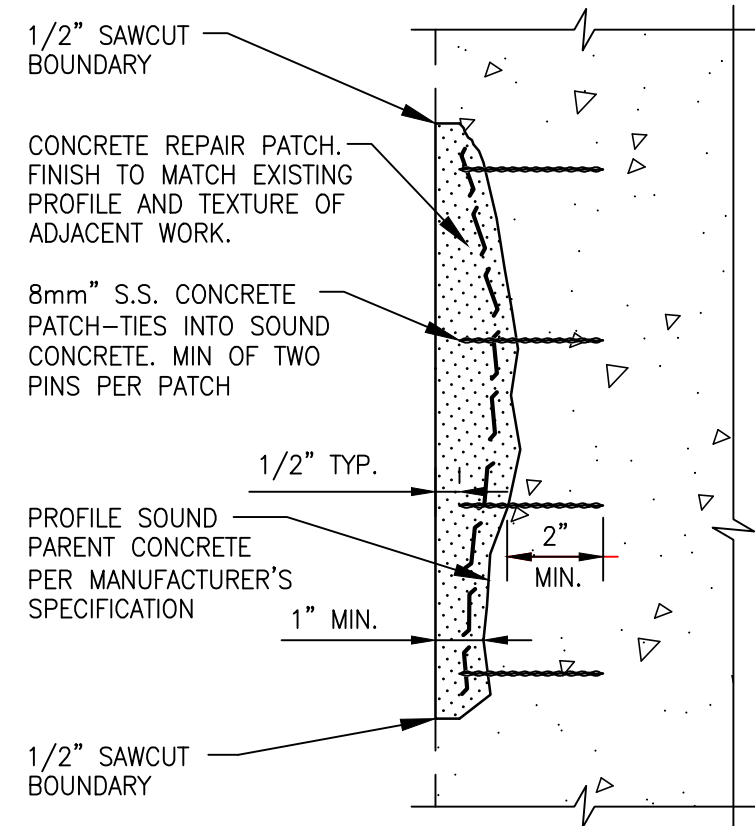
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R105

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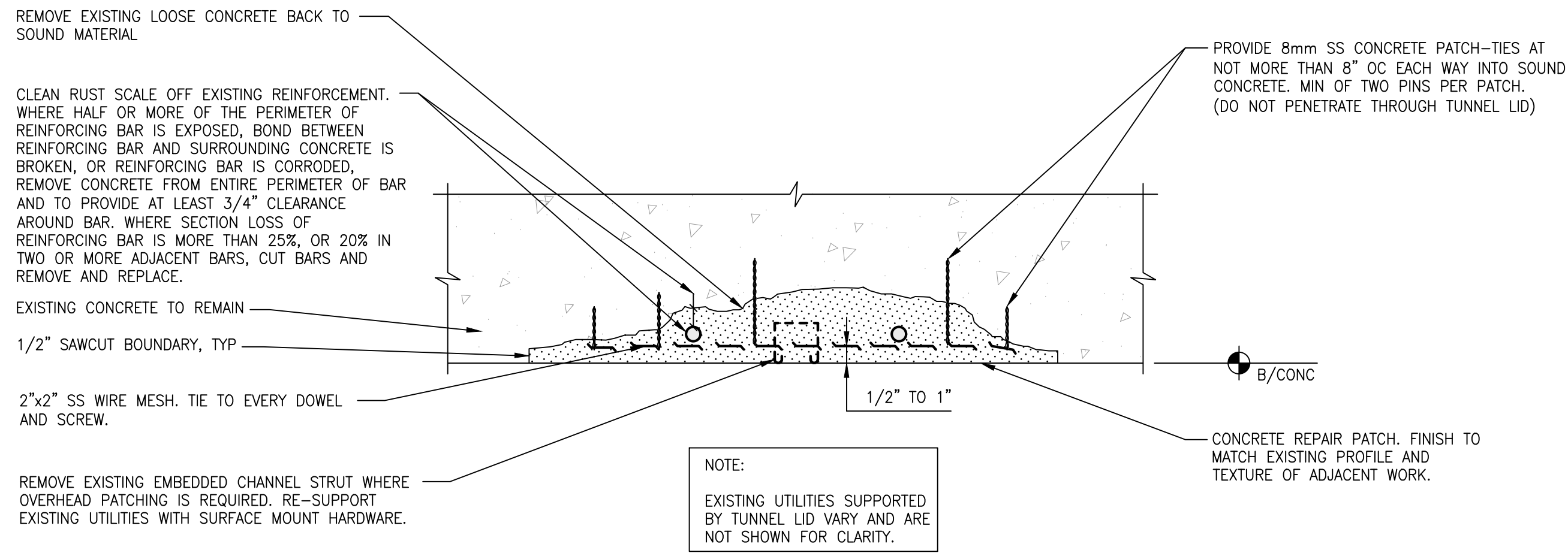
TYPICAL OVERHEAD AND VERTICAL SURFACE CRACK REPAIR

NOT TO SCALE



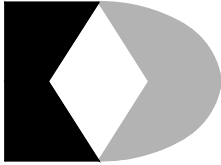
TYPICAL VERTICAL SPALL REPAIRS

NOT TO SCALE



TYPICAL OVERHEAD SPALL REPAIRS

NOT TO SCALE



DA #22063

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Consulting Engineers

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PROJECT DESCRIPTION:

TUNNEL REPAIRS 2023
ISU BID No. B0027822
INDIANA STATE UNIVERSITY
TERRE HAUTE, INDIANA

DRAWN BY:	DESIGNED BY:
JND	BRW
SCALE:	CHECKED BY:
1/4"=1'-0"	BRW
DATE:	JOB NO.:
FEBRUARY 16, 2023	D.A.#22063

SHEET DESCRIPTION:

TYPICAL CONCRETE
TUNNEL REPAIRS
T-02 & T-07
(ALTERNATES #1 & #3)

SHEET NUMBER:

R106