

Concord-Padgett Airport Parking Deck Repairs

7425 Zephyr Place NorthWest, Concord NC 28027
FOR CONSTRUCTION - 01/19/2024

OWNER REPRESENTATIVE



Concord Regional Airport
9000 Aviation Blvd NW
Concord, NC, 28027

RESTORATION CONSULTANT &
STRUCTURAL ENGINEER



WGI
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14045 Ballantyne Corporate Pl, Suite 380, Charlotte, NC 28277
P 866.969.2220



REVISIONS		DESCRIPTION
NO.	DATE	
1	01/19/2024	FOR CONSTRUCTION

ISSUED FOR	FOR CONSTRUCTION	DATE
JOB NO.	847.01	
DRAWN BY	CC, EF, JDS	
CHECKED BY	JDS	
DATE	01/19/2024	



Concord-Padgett Airport Parking
Deck Repairs
7425 Zephyr Place NorthWest, Concord NC 28027
COVER SHEET

SHEET
G001

- GENERAL NOTES
- DIVISION 01 - GENERAL REQUIREMENTS
- 1.1 ALL DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL BUILDING CODES/ORDINANCES AND FIRE CODES, INCLUDING THE FOLLOWING:
- A. CITY OF CONCORD, NC CODES AND ORDINANCES
- B. NC BUILDING CODE, 2018 EDITION (IBC 2015 EDITION WITH AMENDMENTS)
- 1.2 BUILDING CLASSIFICATION
- A. EXISTING PARKING GARAGE S-2 OCCUPANCY
- 1.3 DESIGN SERVICE LOADS (IBC 2015 W/ AMENDMENTS) USED FOR THE REPAIR SCOPE
- A. LIVE LOADING:
1. PARKING AREAS 40 PSF
2. ROOF PARKING AREAS (LL + SNOW (P1 + R)) 52 PSF
3. LOBBY, STAIRS AND LANDINGS 100 PSF
4. PLAZA AREAS 100 PSF
5. SLAB ON GRADE 100 PSF
6. CONCENTRATED WHEEL LOAD ACTING ON A 20 SQ. IN AREA 3,000 LBS.
7. HANDRAILS AND GUARDS
- i. UNIFORM LOAD 50 LBS./FT
- ii. CONCENTRATED LOAD 200 LBS.
8. VEHICULAR BARRIER SYSTEMS
- i. CONCENTRATED LOAD ACTING BETWEEN 18 AND 27 INCHES ABOVE THE FINISH FLOOR ELEVATION 6,000 LBS.
9. CONSTRUCTION LOADS
- i. DISTRIBUTED LOAD 32 PSF
- ii. CONCENTRATED WHEEL LOAD ACTING ON A 20 SQ. IN AREA 2,400 PSF
- B. SNOW LOADING:
1. GROUND SNOW LOAD (Pg) 10 PSF
2. FLAT SNOW LOAD (Pi) 7 PSF
3. RAIN ON SNOW LOAD (R) 5 PSF
- 1.4 ORIGINAL DESIGN SERVICE LOADS (FOR REFERENCE ONLY)
- A. SOURCE:
1. THESE LOADS HAVE BEEN EXTRACTED FROM: SHEET S-001, STEWART, 2015.
2. THESE LOAD ARE BASED ON THE FOLLOWING BUILDING CODE: NC BUILDING CODE 2012.
- B. LIVE LOADING:
1. PARKING AREAS 40 PSF
3. SLAB ON GRADE, LOBBY, STAIRS AND LANDINGS 100 PSF

- 1.5 METHODS, PROCEDURES, AND SEQUENCES OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO MAINTAIN AND INSURE THE INTEGRITY OF THE STRUCTURE AT ALL STAGES OF CONSTRUCTION.
- 1.6 CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE VENTILATION, FUME AND DUST CONTROL.
- 1.7 LOCAL NOISE ORDINANCE WILL GOVERN OPERATIONS AND MUST BE COORDINATED AND SCHEDULED WITH THE OWNER REPRESENTATIVE.
- 1.8 TAKE EXTREME CAUTION NOT TO DAMAGE IN ANY WAY THE EXISTING ELECTRICAL SERVICE AND OTHER UTILITIES.
- 1.9 ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH ANY WORK.
- 1.10 NO STRUCTURAL MEMBERS SHALL BE CUT FOR PIPES, DUCTS, ETC., UNLESS SPECIFICALLY DETAILED OR APPROVED IN WRITING BY THE ENGINEER.
- 1.11 FIELD VERIFY THE LOCATIONS OF EXISTING STRUCTURES, PIPING, CONDUITS, ETC., AND NOTIFY THE ENGINEER OF INTERFERENCE NOT NOTED ON THE PLANS.

- 1.12 DO NOT SCALE DRAWINGS.
- 1.13 VISITS TO THE JOB SITE BY THE ENGINEER TO OBSERVE THE CONSTRUCTION DO NOT IN ANY WAY MEAN GUARANTEE OF THE CONTRACTORS WORK, NOR RESPONSIBILITY FOR COORDINATION, SUPERVISION, NOR SAFETY AT THE JOB SITE.
- 1.14 CONSTRUCTION PHASING
- A. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL CONSTRUCTION ACTIVITY AND SHALL COOPERATE FULLY WITH OWNER FOR ALL CONSTRUCTION PHASING.
- B. PROTECT PEDESTRIAN TRAFFIC THROUGHOUT STRUCTURE AND ON SIDEWALKS AROUND PERIMETER OF PARKING STRUCTURE.
- 1.15 FORMWORK AND SHORING
- A. DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR SAFETY OF BUILDING OR EQUIPMENT DURING CONSTRUCTION. CONTRACTOR IS RESPONSIBLE FOR ALL WORK RELATING TO CONSTRUCTION, ERECTION METHODS, BRACING, SHORING, RIGGING, GUYS, SCAFFOLDING, FORMWORK, AND OTHER WORK AIDS REQUIRED TO SAFELY PERFORM WORK INDICATED.

- DIVISION 02 - EXISTING CONDITIONS
- 2.1 EXISTING STRUCTURES
- A. WHERE DIMENSIONS ARE INDICATED FOR EXISTING STRUCTURES OR UTILITIES, THEY ARE APPROXIMATE AND FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY IN FIELD (VIF) ALL DIMENSIONS AND ELEVATIONS PRIOR TO CONSTRUCTION. ANY VARIATIONS BETWEEN EXISTING DIMENSIONS AND/OR ELEVATIONS ON DRAWINGS SHALL BE REPORTED TO ENGINEER.

- 2.2 AFTER CONSTRUCTION IS COMPLETED, CLEAN/PRESSURE WASH REPAIRED AREAS. REFER TO SPECIFICATION SECTION 01 7423 - FINAL CLEANING.
- DIVISION 03 - CONCRETE
- 3.1 CONCRETE DELAMINATION REPAIRS
- A. REFER TO SPECIFICATION SECTION 03 0130 FOR CONCRETE REPAIR REQUIREMENTS
- B. SOUND ALL AREAS AS INDICATED ON THE DRAWINGS AND MARK PERIMETER OF AREAS. MEASURE QUANTITIES AND NOTE FIELD DRAWINGS. THE MEASURED AREAS SHALL BE COORDINATED AND APPROVED BY THE DESIGN ENGINEER PRIOR TO START OF DEMO WORK
- C. REMOVE EXISTING CONCRETE BEYOND DELAMINATION TO SOUND CONCRETE.
- D. PROVIDE UNIFORM HORIZONTAL SURFACE BETWEEN ADJACENT BARS OR WIRES WHEN CAVITY ENCOMPASSES MORE THAN ONE BAR OR WIRE.

- E. CLEAN AND COAT ALL EXPOSED REINFORCEMENT STEEL, SUPPLEMENTAL STEEL AND OTHER EMBEDDED STEEL.
- F. PROVIDE SPRAY OR BRUSH APPLIED BONDING GROUT TO EXCAVATED CAVITY SURFACE.
- G. INSTALL WELDED WIRE REINFORCEMENT AS INDICATED IN REPAIR DETAIL.
- H. PROVIDE PATCH MATERIAL AS INDICATED IN REPAIR DETAIL. PATCH MATERIAL SHALL BE INCLUSIVE OF MACRO SYNTHETIC FIBERS AS INDICATED IN APPLICABLE REPAIR DETAILS.
- I. FINISH OF UNFORMED CONCRETE PATCH SURFACES SHOULD MATCH ADJACENT AREAS
- J. ADEQUATE CURING METHODS MUST BE EMPLOYED TO ENSURE CONCRETE IS PROTECTED AND NOT CRACKED.
- K. NOMINAL SIZES OF MEMBERS ARE INDICATED ON THE DETAILS, ACTUAL SIZES MAY VARY.
- L. NOMINAL PATCH DEPTHS ARE INDICATED ON THE DETAILS, ACTUAL DEPTH MAY VARY.
- M. CONTRACTOR SHALL RECOAT DECK COATING, RESTRIPE PAVEMENT MARKINGS, AND/OR PAINT ALL AREAS AFFECTED BY CONCRETE REPAIR WORK TO MATCH SURROUNDING AREAS. THESE ACTIVITIES SHALL BE INCIDENTAL TO THE REPAIR PRICE.

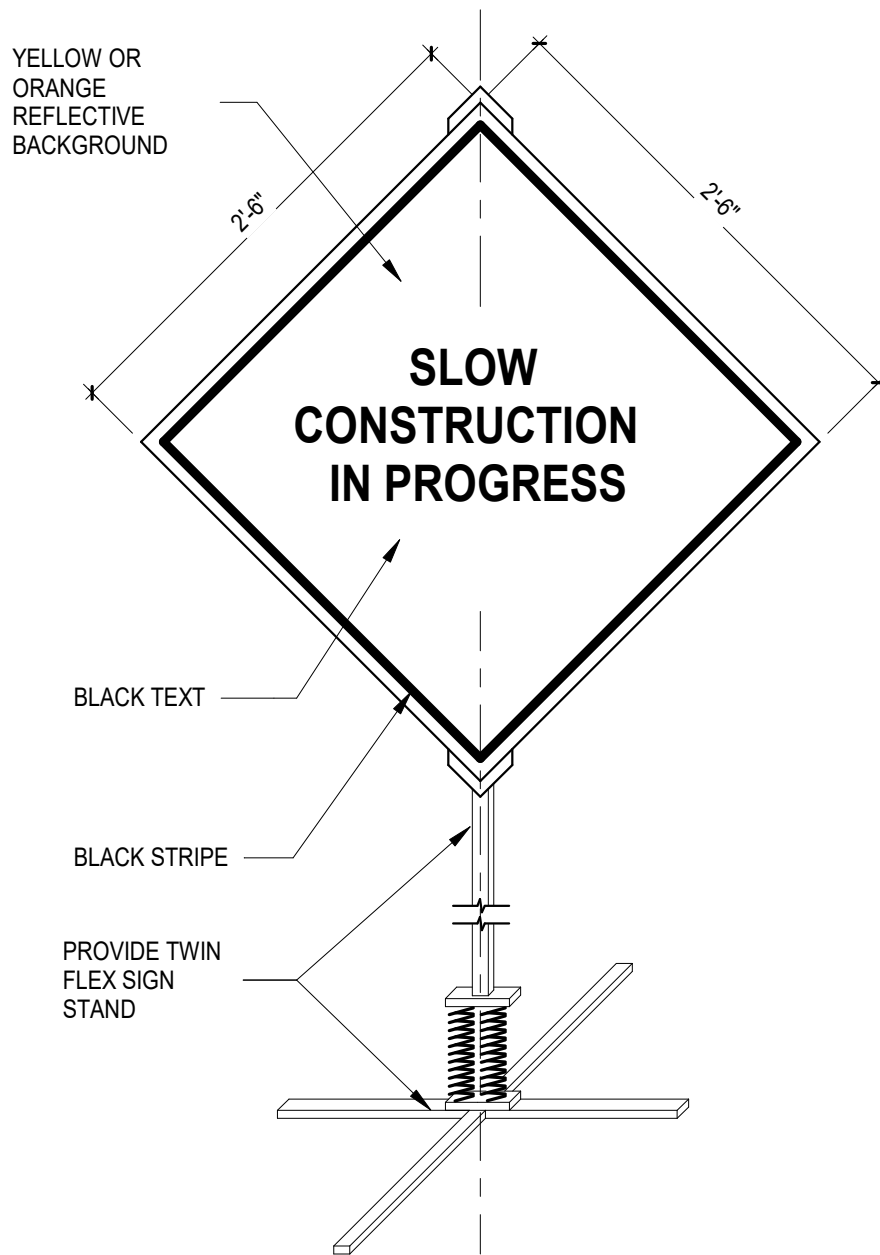
- 3.2 AGGREGATES.
- A. AGGREGATES SHALL CONFORM TO ASTM C33.
- 3.3 MILD REINFORCEMENT
- A. REINFORCING BARS: ASTM A615 GRADE 60. WELDED WIRE FABRIC: ASTM A1064.
- 3.4 CONCRETE AND SAW CUTTING WORK
- A. DISCHARGE OF WATER, DUST, OR DEBRIS FROM CONCRETE WORK TO STORM OR SANITARY SYSTEMS IS PROHIBITED.
- B. DRAINS SHALL BE PROTECTED FROM DUST AND DEBRIS.
- C. ANY WATER USED DURING CONCRETE WORK (INCLUDING SWEEPING AND SAW CUTTING) SHALL BE CONTAINED AND COLLECTED FOR PROPER DISPOSAL. SUGGESTED CONTROLS INCLUDE WET VACUUM, OR ABSORBENTS.
- D. DO NOT DISCHARGE CONCRETE, MORTAR, OR GROUT WASHOUT INTO STORM DRAINS, CATCH BASINS OR TO THE SANITARY SEWER SYSTEM. PERFORM WASHING OF CONCRETE TRUCKS OFFSITE.
- E. REFER TO SPECIFICATION SECTION 02 4119 FOR SELECTIVE DEMOLITION REQUIREMENTS.
- 3.5 EPOXY INJECTION
- A. REFER TO SPECIFICATION SECTION 03 6423.

- DIVISION 09 - FINISHES
- 9.1 PAINTING
- A. REFER TO SPECIFICATION SECTION 09 9100.

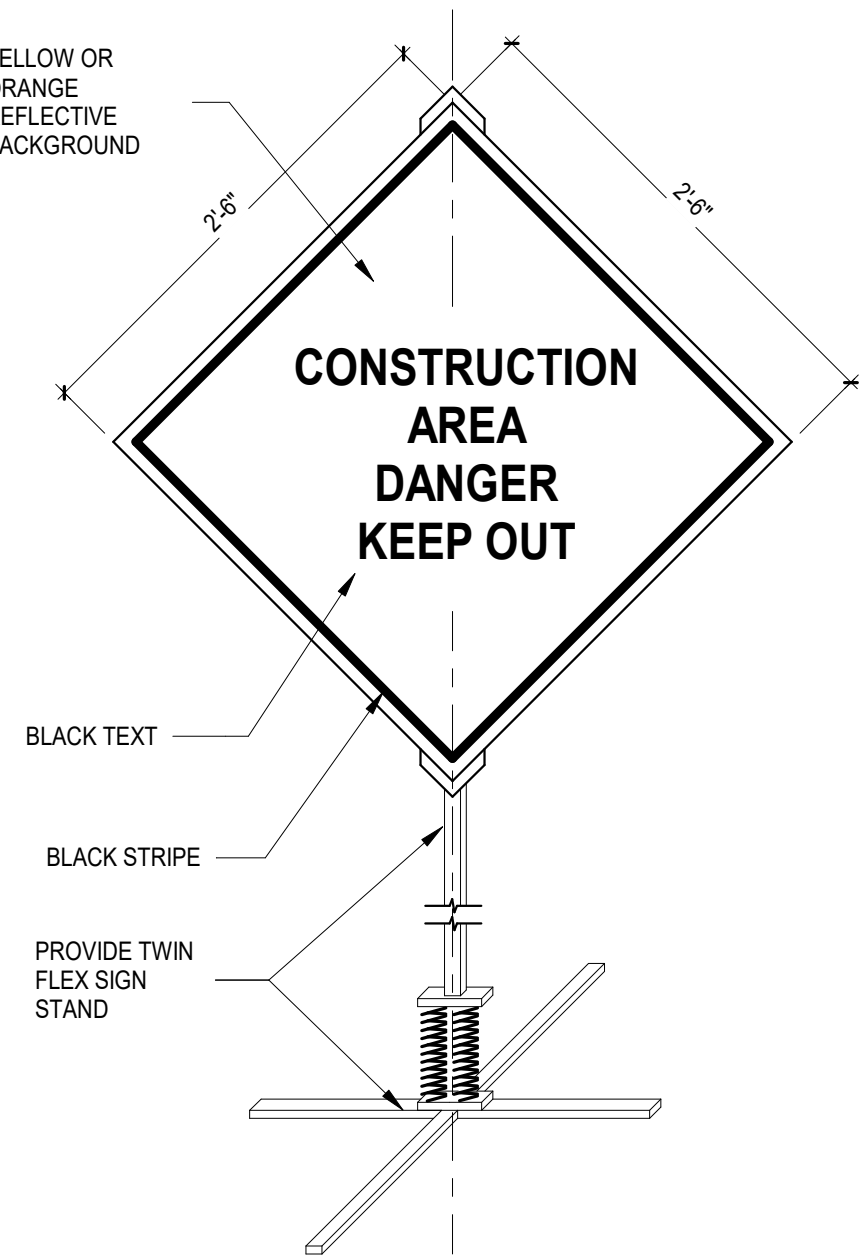
- DIVISION 22 - PLUMBING
- 22.1 FLOOR DRAINS
- A. REFER TO SPECIFICATION SECTION 22 1400
- B. ALL NEW DRAIN PIPING SHALL BE CAST IRON. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION

PHASING NOTES

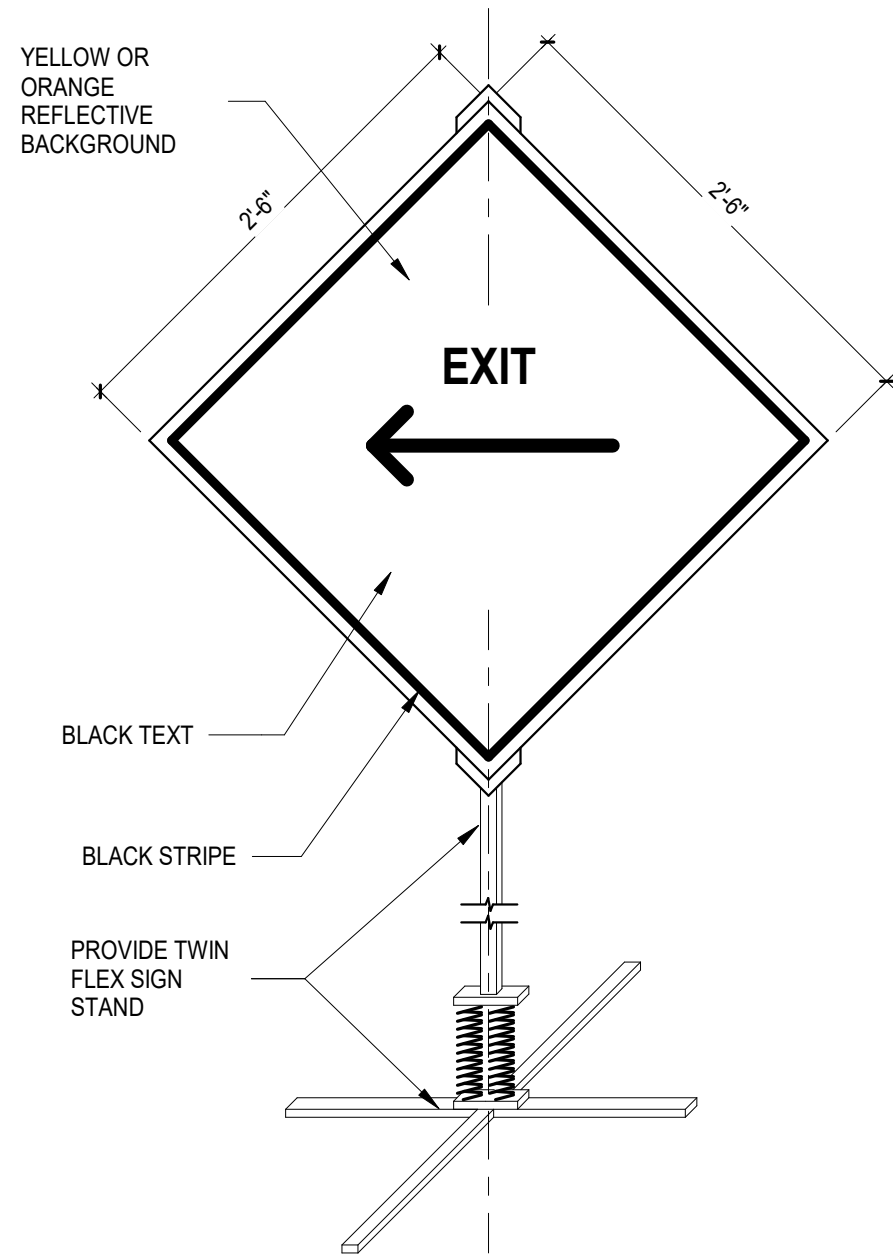
- ALL PHASED AREAS MUST BE ADEQUATELY BARRICADED PER SIGN AND BARRICADE DETAILS PROVIDED ON SHEET **G002**.
- CONSTRUCTION SIGNS MUST BE STRATEGICALLY PLACED THROUGHOUT THE DECK TO INFORM PATRONS OF ONGOING CONSTRUCTION.
- THE CONTRACTOR SHALL BE LIMITED TO THE PHASED AREAS SHOWN ON THE PHASING PLAN. THE CONTRACTOR WILL NOT BE ALLOWED TO WORK ON MORE THAN ONE PHASE AT ANY GIVEN TIME UNLESS APPROVED BY OWNER AND/OR ENGINEER.
- THE CONTRACTOR SHALL PROVIDE A WEEKLY UPDATE OF THE CONSTRUCTION SCHEDULE TO INFORM OWNER WHEN CERTAIN AREAS OF THE DECK WILL BE CLOSED OFF FOR CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC SIGNS AND TRAFFIC FLOW AT ALL TIMES.
- CONTRACTOR SHALL HAVE STAFF RESPONSIBLE FOR MAINTAINING BARRICADES (PERIODIC INSPECTION) WHEN WORK IS NOT BEING COMPLETED.
- TRAFFIC CHANNELING DEVICES (TUBULAR MARKER AND DRUMS) SHALL BE INSTALLED AT THE FRONT OF EACH PHASE TO MERGE VEHICULAR TRAFFIC.
- PROVIDE REMOVABLE FENCING OR CONES TO BARRICADE AREAS DIRECTLY BELOW WORK AREAS TO PROTECT PATRONS FROM POTENTIAL FALLING DEBRIS.
- CONTRACTOR TO PROVIDE ADEQUATE (SEALED) PROTECTION OF DOORS, OPENINGS AND ELEVATORS TO PREVENT DUST AND DEBRIS FROM GETTING IN OCCUPIED SPACES.
- PROVIDE OWNER APPROVED SIGNAGE AT THE BEGINNING OF THE CONSTRUCTION PHASE NECESSARY TO ADEQUATELY DIRECT VEHICLES AND PEDESTRIANS TO ALTERNATE.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING PLAQUE CARD SIGNS IN EACH ELEVATOR AND STAIR TOWERS ON EACH LEVEL TO WARN GARAGE USERS ON CONSTRUCTION ACTIVITIES. PLAQUE CARD SIGNS SHALL BE 11"x17" AND LAMINATED. SIGNS TO BE APPROVED BY OWNER PRIOR TO INSTALLATION.
- ACCESS TO THE ELEVATORS IS TO BE MAINTAINED AT ALL TIMES. CONTRACTOR MAY NOT USE ELEVATORS FOR TRANSPORTING PERSONNEL, HAND TOOLS, MATERIALS AND EQUIPMENT.
- NIGHT WORK SHALL BE COORDINATED TO MEET THE CITY OF **CONCORD** AND THE OWNER NOISE ORDINANCE.
- IT WILL BE NECESSARY TO SCHEDULE CONTRACTOR DELIVERIES AND WASTE HAULING TO MINIMIZE INTERFERENCE WITH THE BUILDING'S OPERATIONS. CONTRACTOR SHALL COORDINATE WITH OWNER.
- CONTRACTOR (INCLUSIVE OF ALL TEAM MEMBERS) SHALL PARK & STORE MATERIALS & EQUIPMENTS ONLY IN DESIGNATED STAGING AREA AUTHORIZED BY OWNER & ENGINEER.
- ACCUMULATION OF DEBRIS SHALL BE LIMITED. REFER TO **G002** FOR MAXIMUM CONSTRUCTION LOADS.



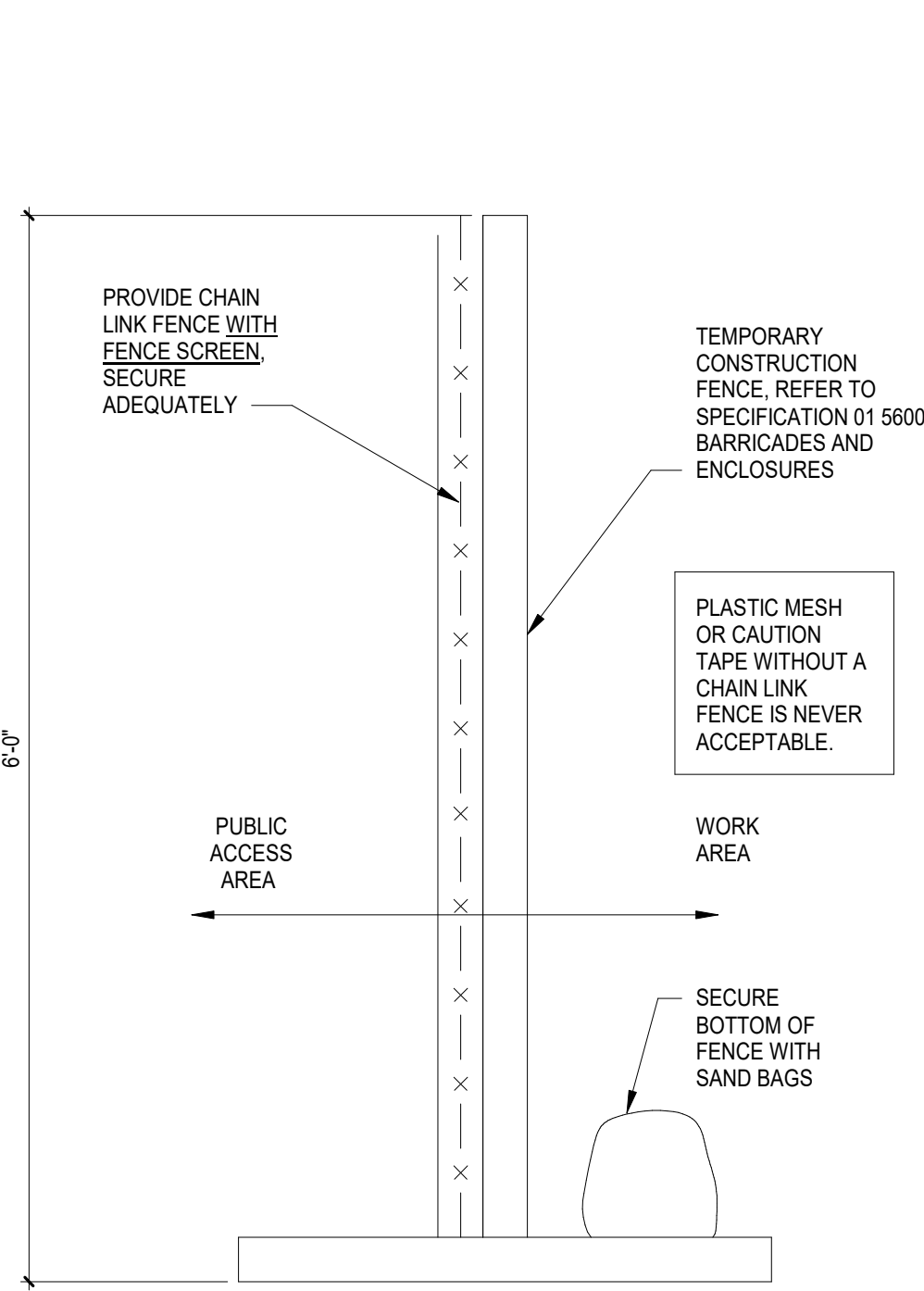
3 SIGN DETAIL (S01)
1" = 1'-0"



4 SIGN DETAIL (S02)
1" = 1'-0"



5 SIGN DETAIL (S03)
1" = 1'-0"



1 CONSTRUCTION FENCING/ BARRICADE DETAIL
1" = 1'-0"



2 PROJECT SIGN DETAIL
1" = 1'-0"

1. PROVIDE OWNER-APPROVED SIGNS AT THE BEGINNING OF EACH CONSTRUCTION PHASE. AS A MINIMUM PROVIDE THE FOLLOWING:

SIGN SCHEDULE			
SIGN NUMBER	SIGN MESSAGE	SIZE	QUANTITY
S01	SLOW CONSTRUCTION IN PROGRESS	2'-6" x 2'-6"	1
S02	CONSTRUCTION AREA DANGER KEEP OUT	2'-6" x 2'-6"	6
S03	EXIT ----->	2'-6" x 2'-6"	4
	REFER TO DETAIL 2/G002	5'-0" x 5'-0"	1

2. ALL CONSTRUCTION SIGNS SHALL BE DESIGNED PER MANUAL ON UNIFORM TRAFFIC CONTROL DEVICE (MUTCD).
3. HEIGHT, SIZE & FONT OF TEXT ON EACH CONSTRUCTION SIGN SHALL BE CONSISTENT THROUGHOUT.
4. BACKGROUND OF SIGN SHALL BE REFLECTIVE TO ENSURE ADEQUATE DAY & NIGHT VISIBILITY.
5. PHASING IS SUBJECT TO CHANGE BY OWNER OR ENGINEER.
6. AT NO TIME SHALL ACCESS TO THE ELEVATORS BE IMPEDED.
7. THE MINIMUM MAINTAINED RETRO-REFLECTIVITY LEVEL OF THE ORANGE BACKGROUND SHALL BE 50 cd/m² MEASURED AT AN OBSERVATION ANGLE OF 0.2° AND AN ENTRANCE ANGLE OF 4.0°.
8. TEXT SHALL BE ARIAL AND 4" MINIMUM TEXT HEIGHT.
9. PROVIDE SHOP DRAWINGS PRIOR TO FABRICATION.



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	01/19/2024			



Concord-Padgett Airport Parking
Deck Repairs

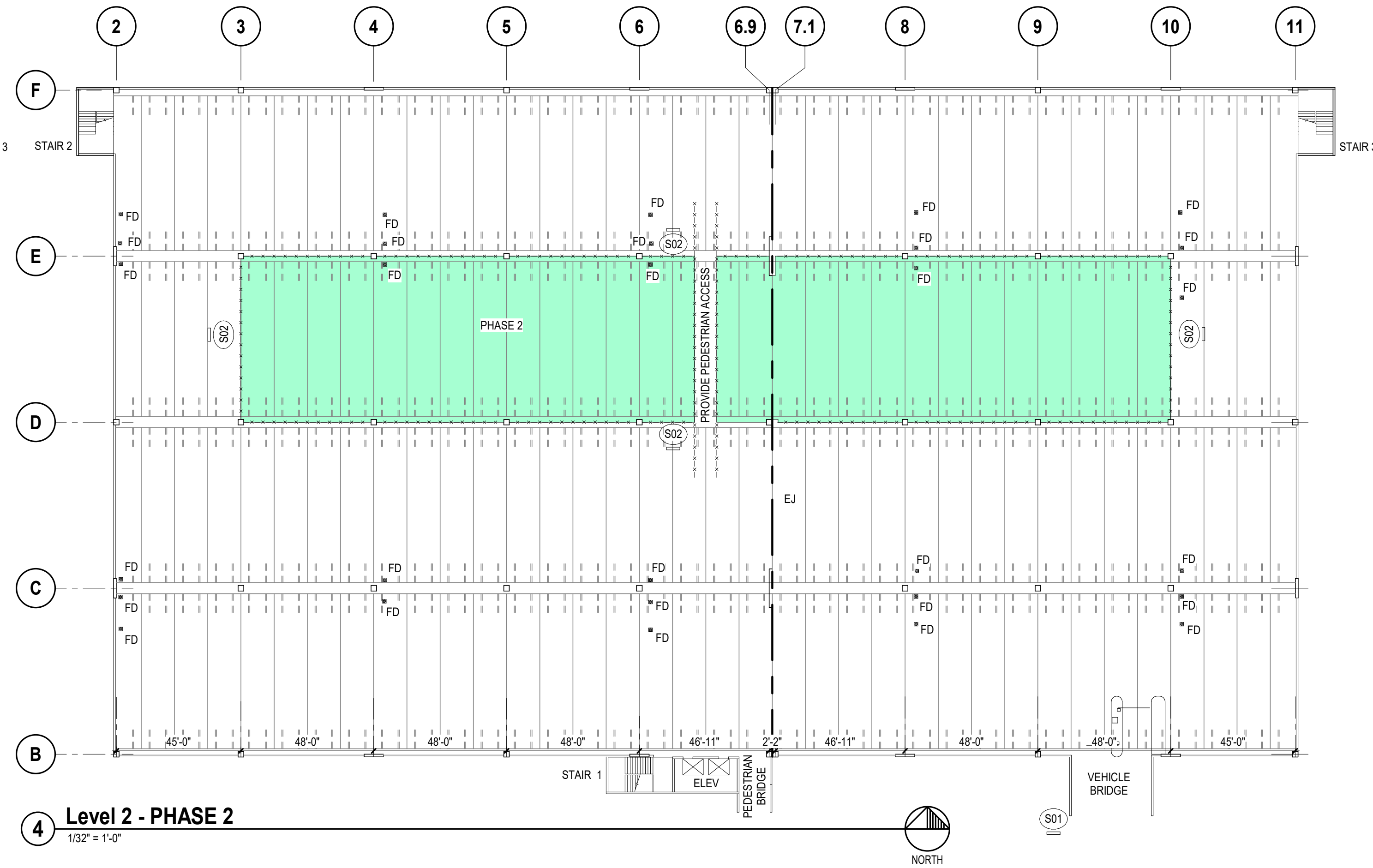
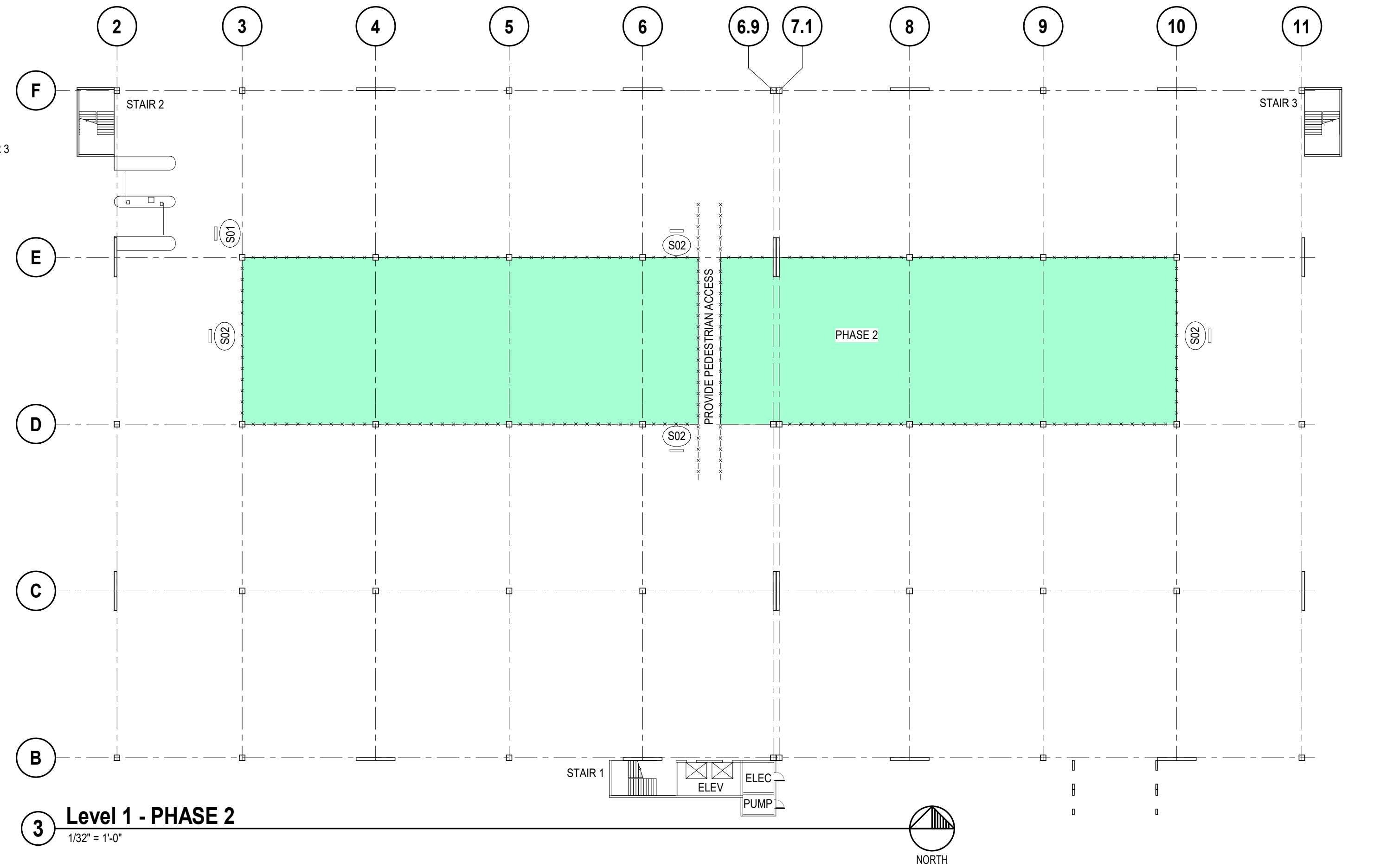
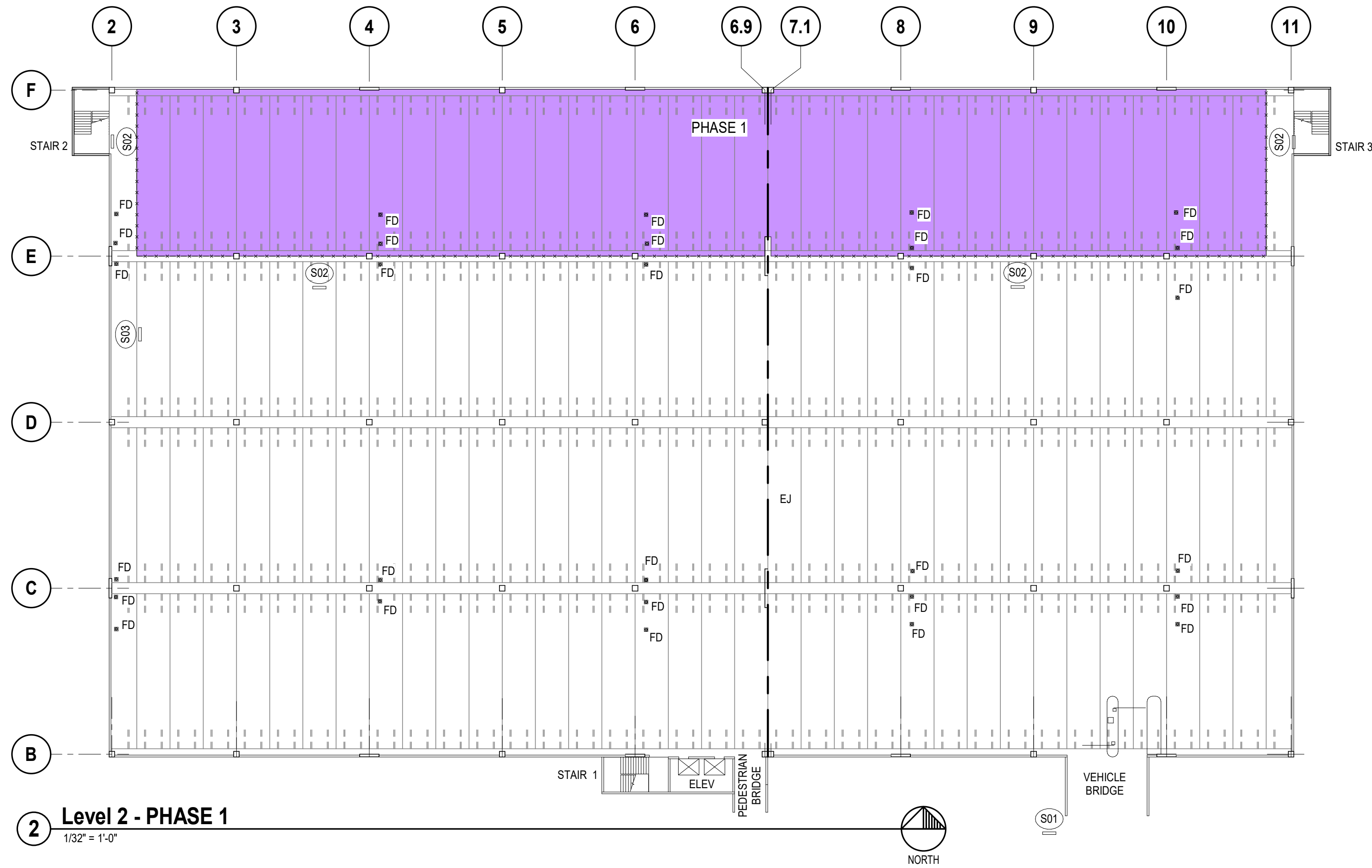
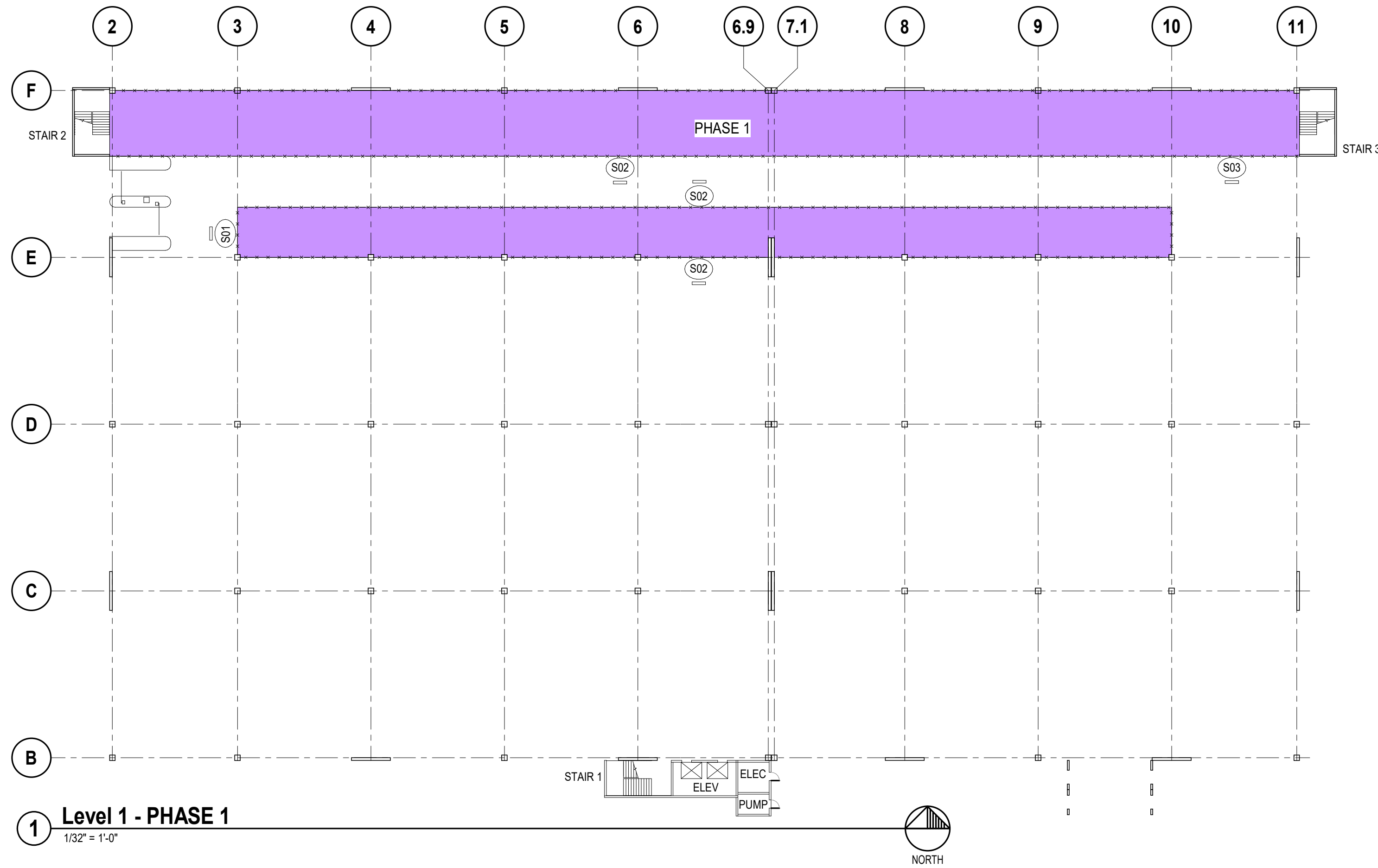
7425 Zephyr Place NorthWest, Concord NC 28027

GENERAL NOTES AND REQUIREMENTS

SHEET

G002

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AutoDesk Docs/8417 01 Concord Airport Repairs - R24.rvt



PHASING LEGEND			
	= PHASE 1. AREA CLOSED FOR CONSTRUCTION ON PLAZA LEVEL AND GROUND LEVEL BELOW.		= PHASE 6. AREA CLOSED FOR CONSTRUCTION ON PLAZA LEVEL AND GROUND BELOW.
	= PHASE 2. AREA CLOSED FOR CONSTRUCTION ON PLAZA LEVEL AND GROUND LEVEL BELOW.		= PEDESTRIAN OR VEHICULAR DRIVE AISLE.
	= PHASE 3. AREA CLOSED FOR CONSTRUCTION ON PLAZA LEVEL AND GROUND LEVEL BELOW.		= CONSTRUCTION FENCING.
	= PHASE 4. AREA CLOSED FOR CONSTRUCTION ON PLAZA LEVEL AND GROUND LEVEL BELOW.		= TRAFFIC SIGNS
	= PHASE 5. AREA CLOSED FOR CONSTRUCTION ON PLAZA LEVEL AND GROUND LEVEL BELOW.		

NOTE: FOR PHASING NOTES REFER TO SHEET G002



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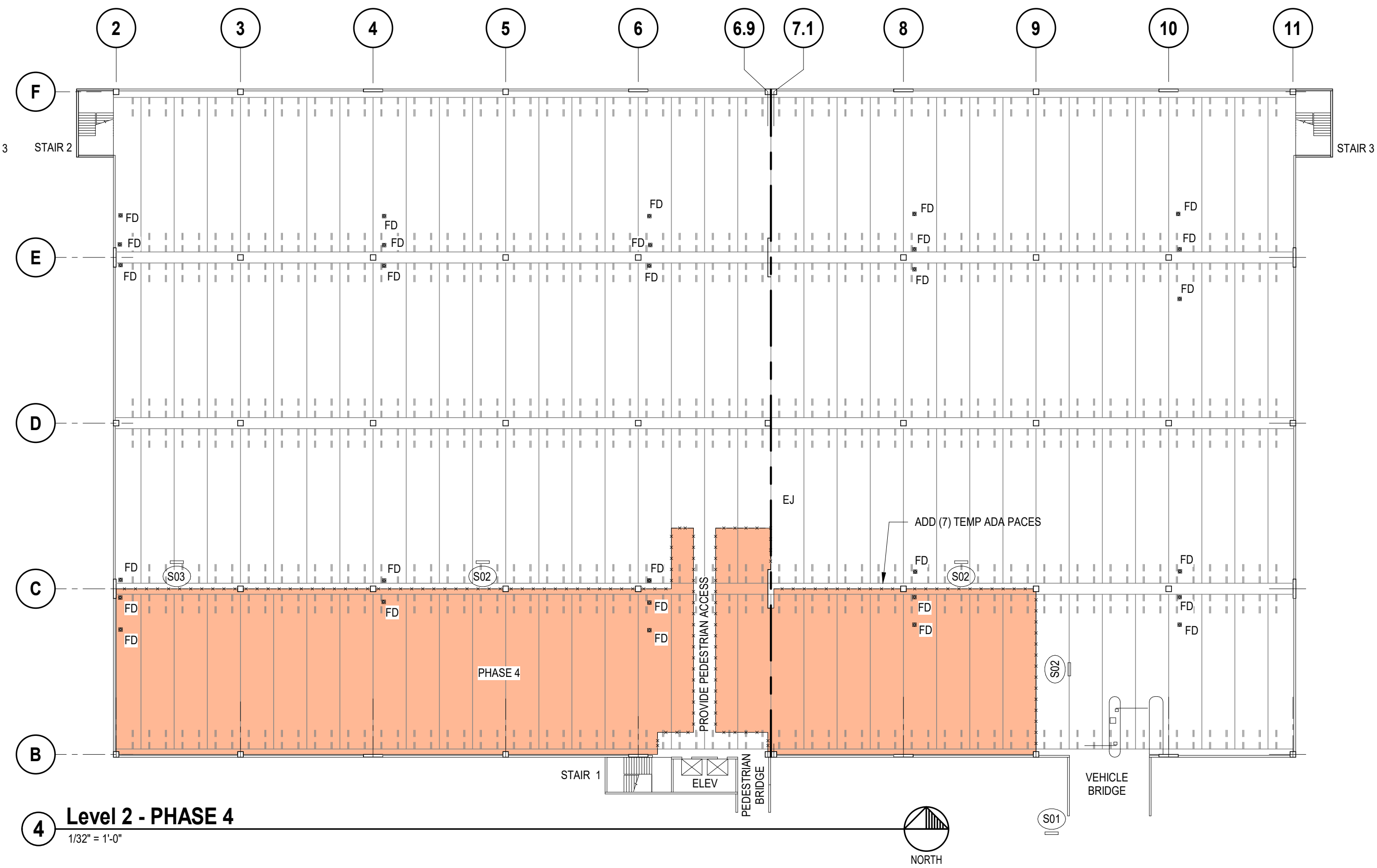
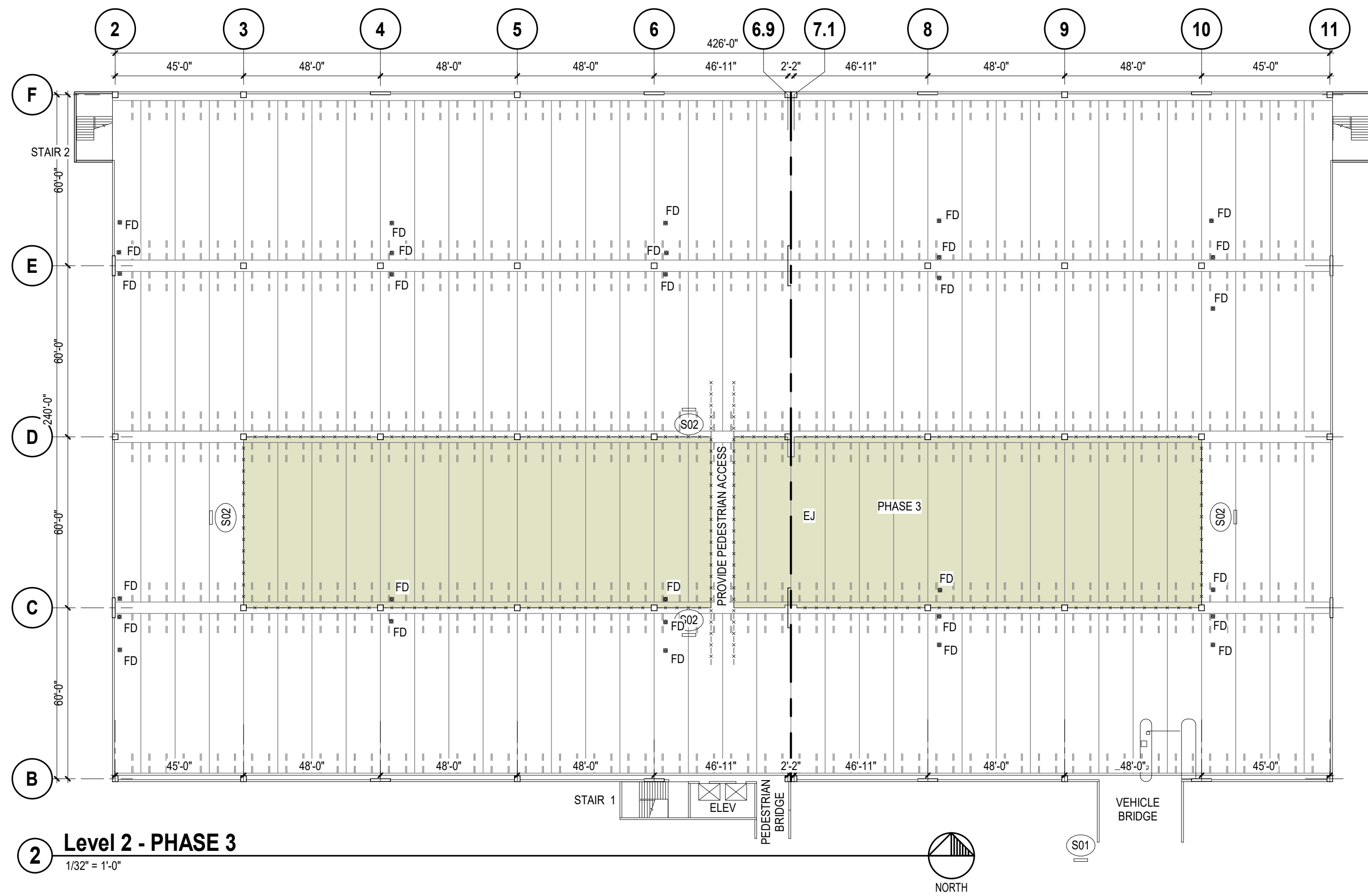
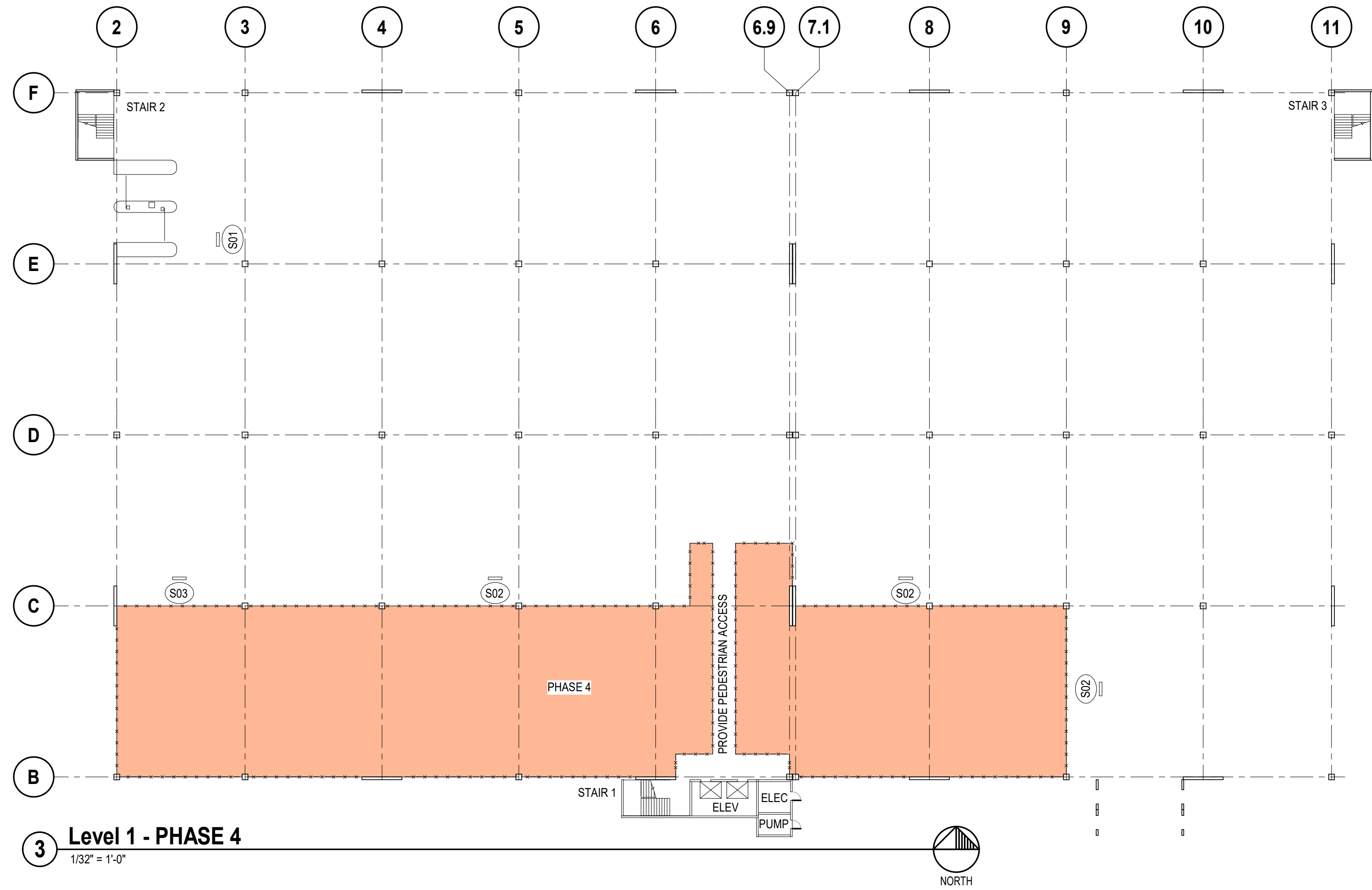
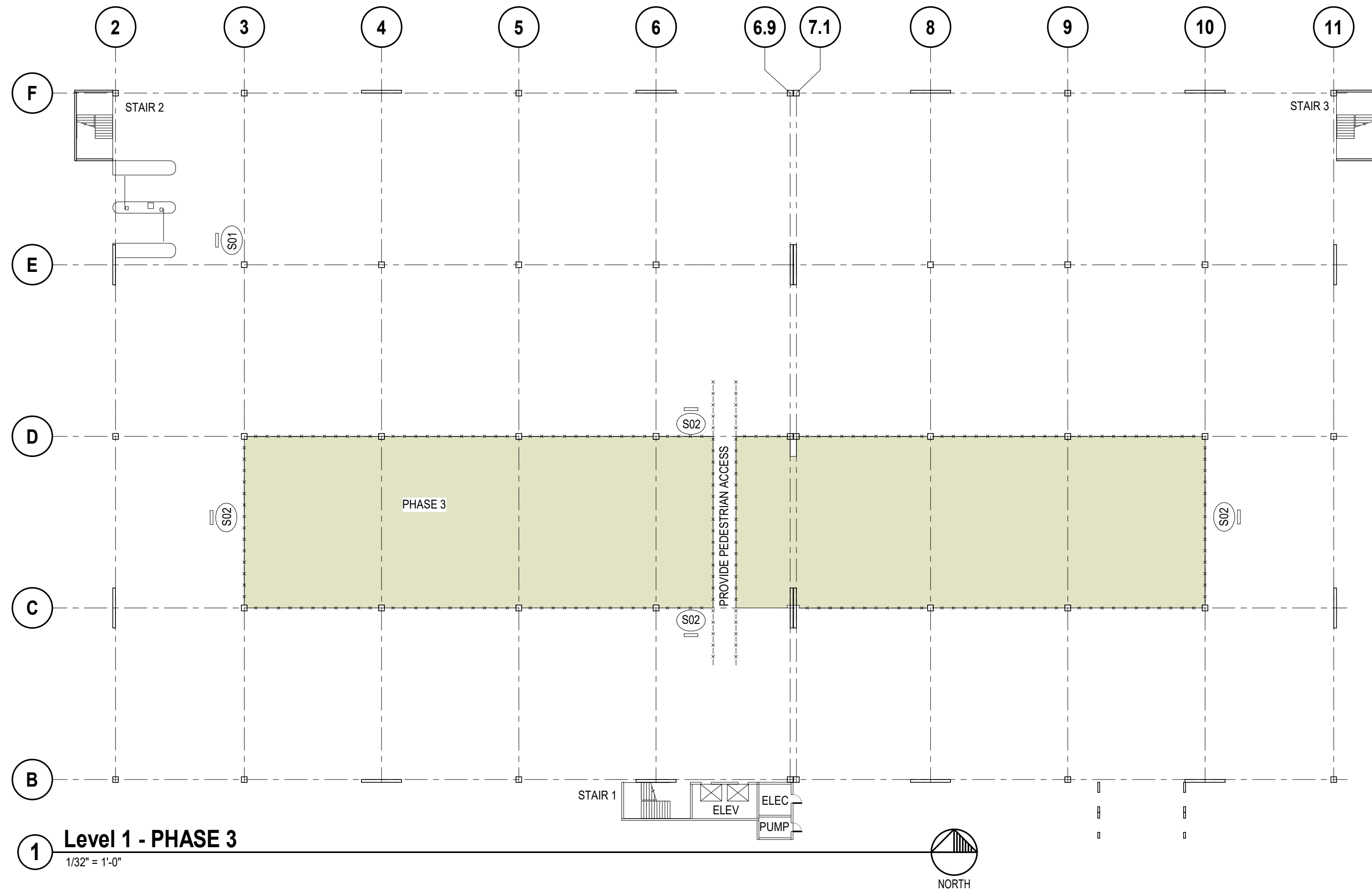
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Concord-Padgett Airport Parking
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7425 Zephyr Place NorthWest, Concord NC 28027
PHASING PLAN PHASES 1 & 2

SHEET
PH001

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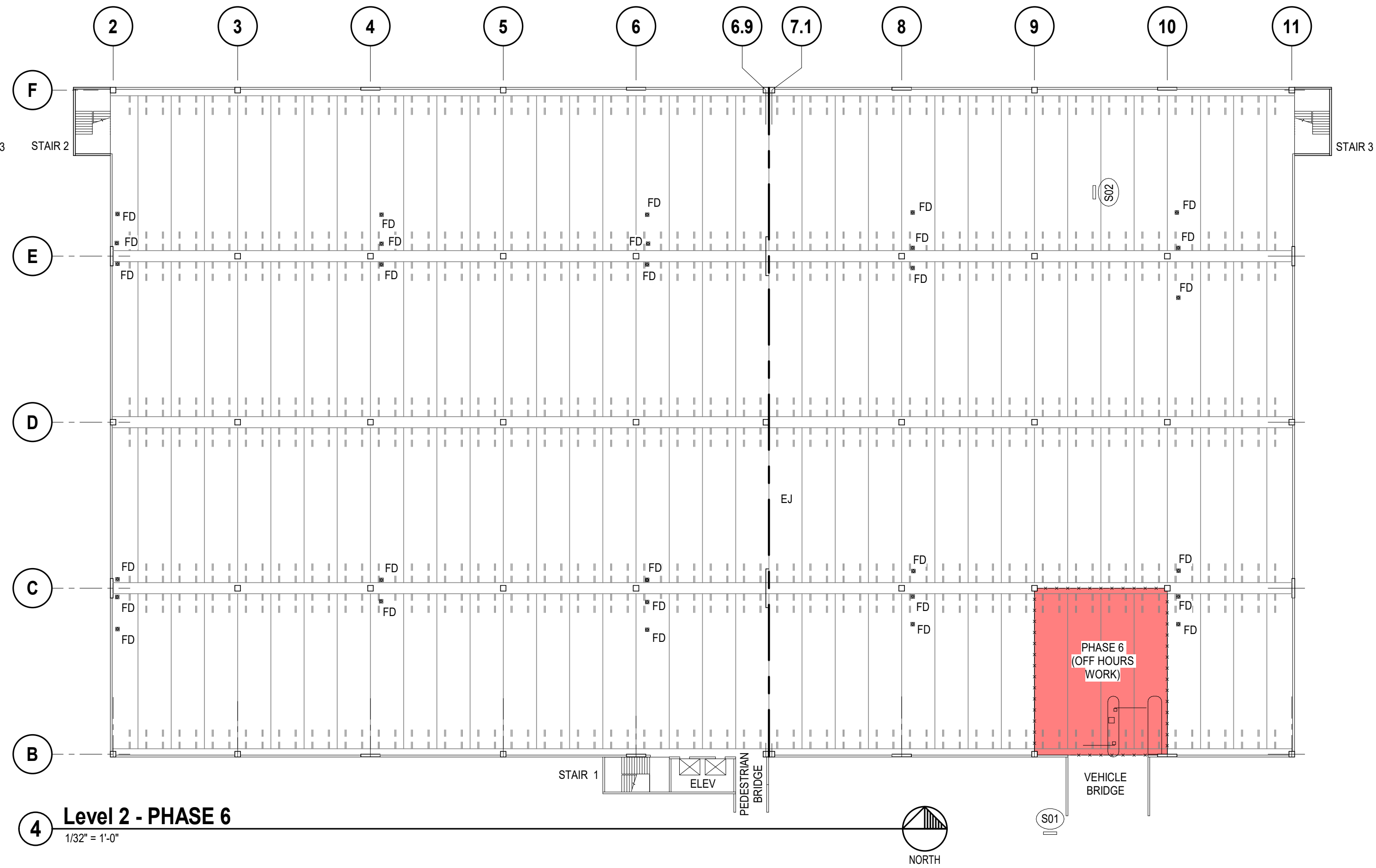
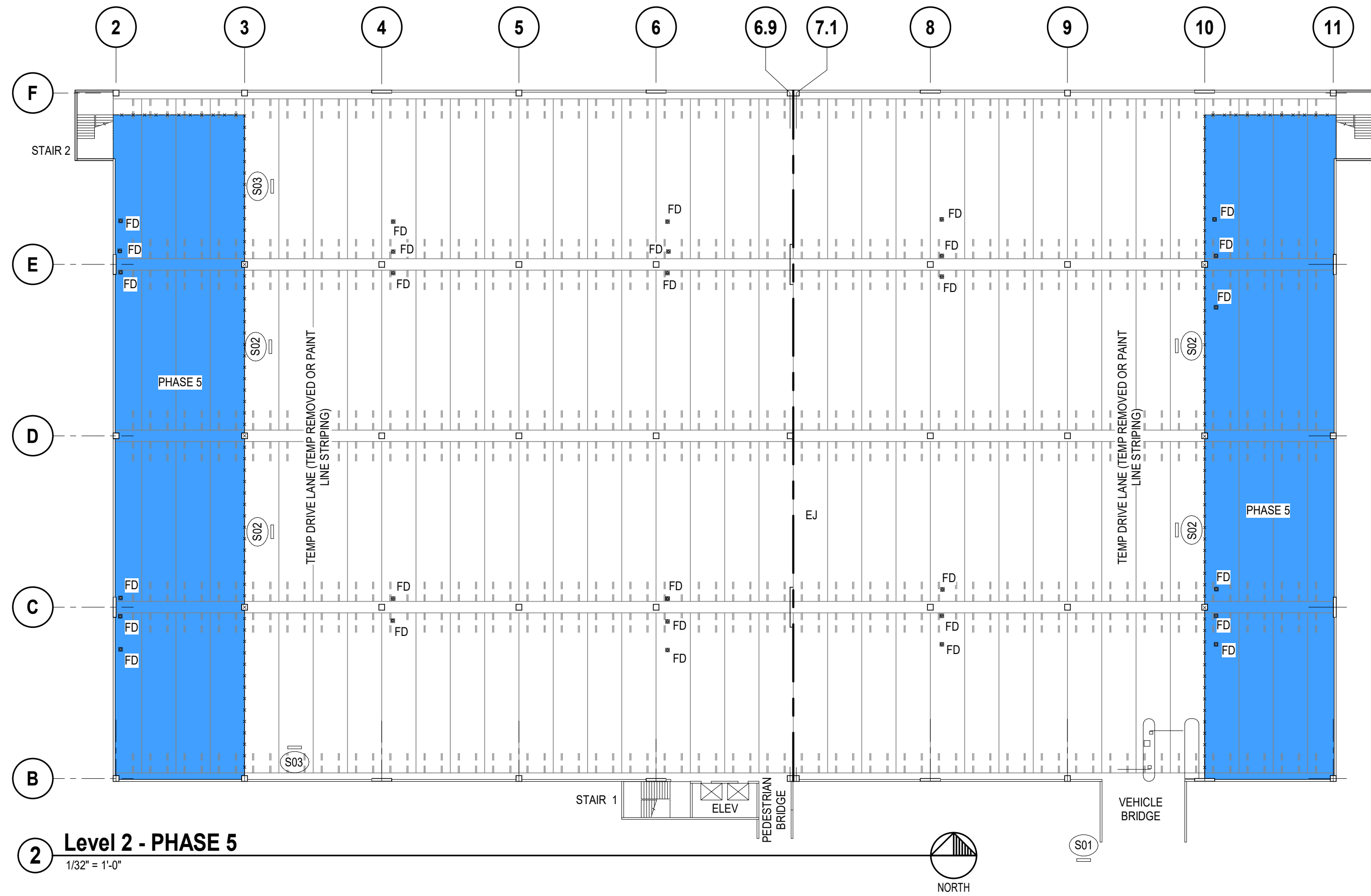
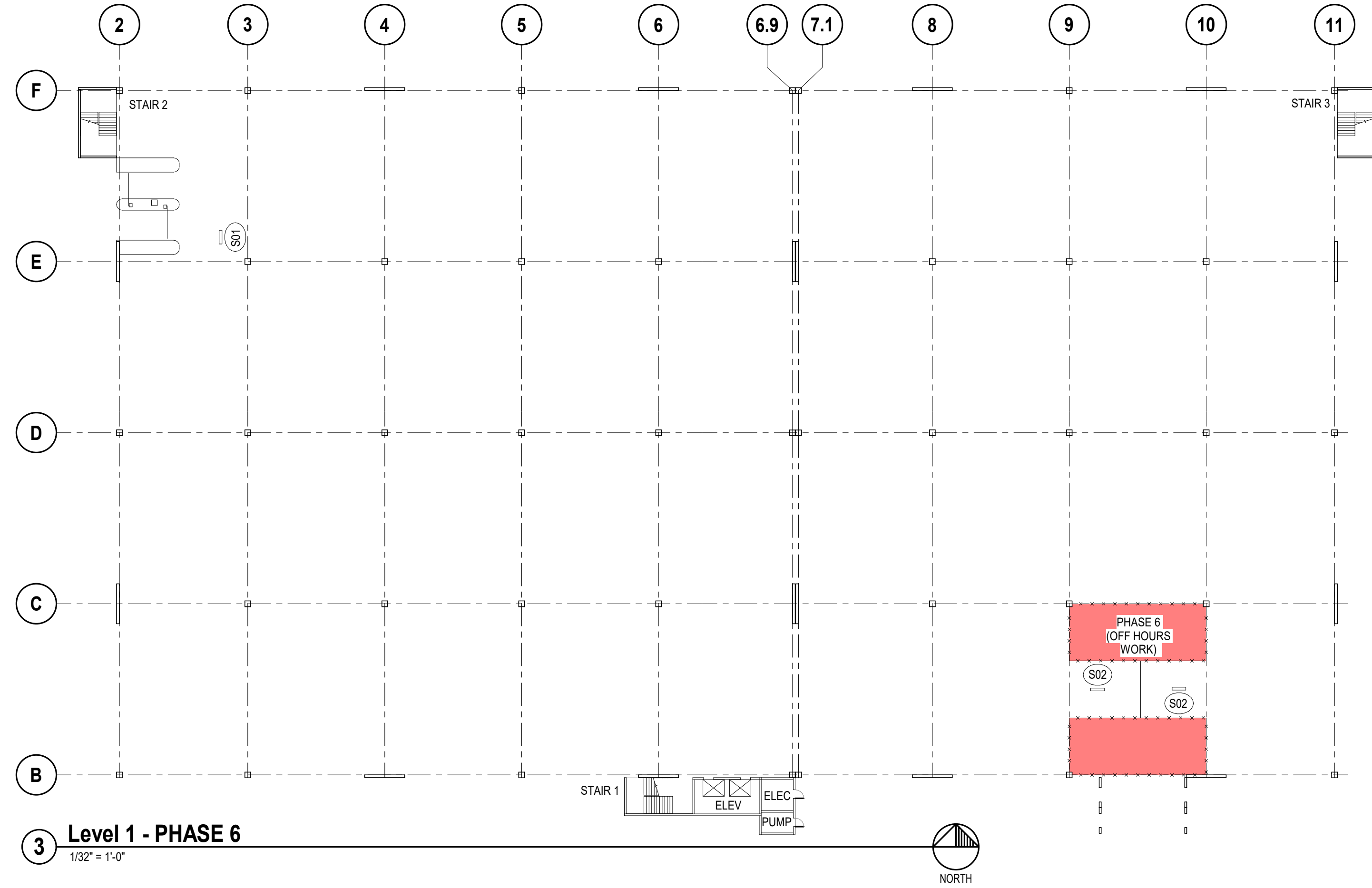
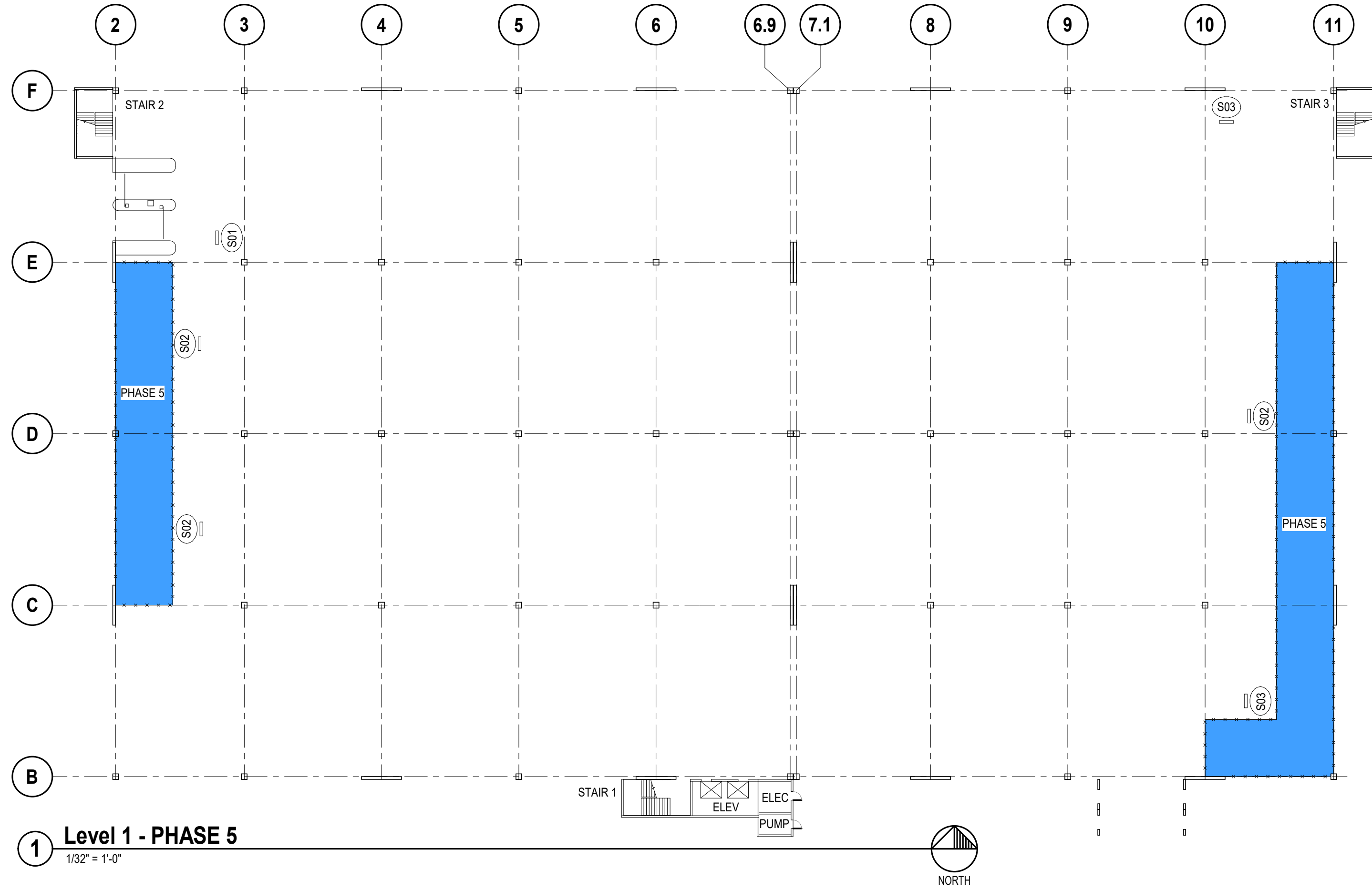
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PHASING PLAN PHASES 3 & 4

SHEET
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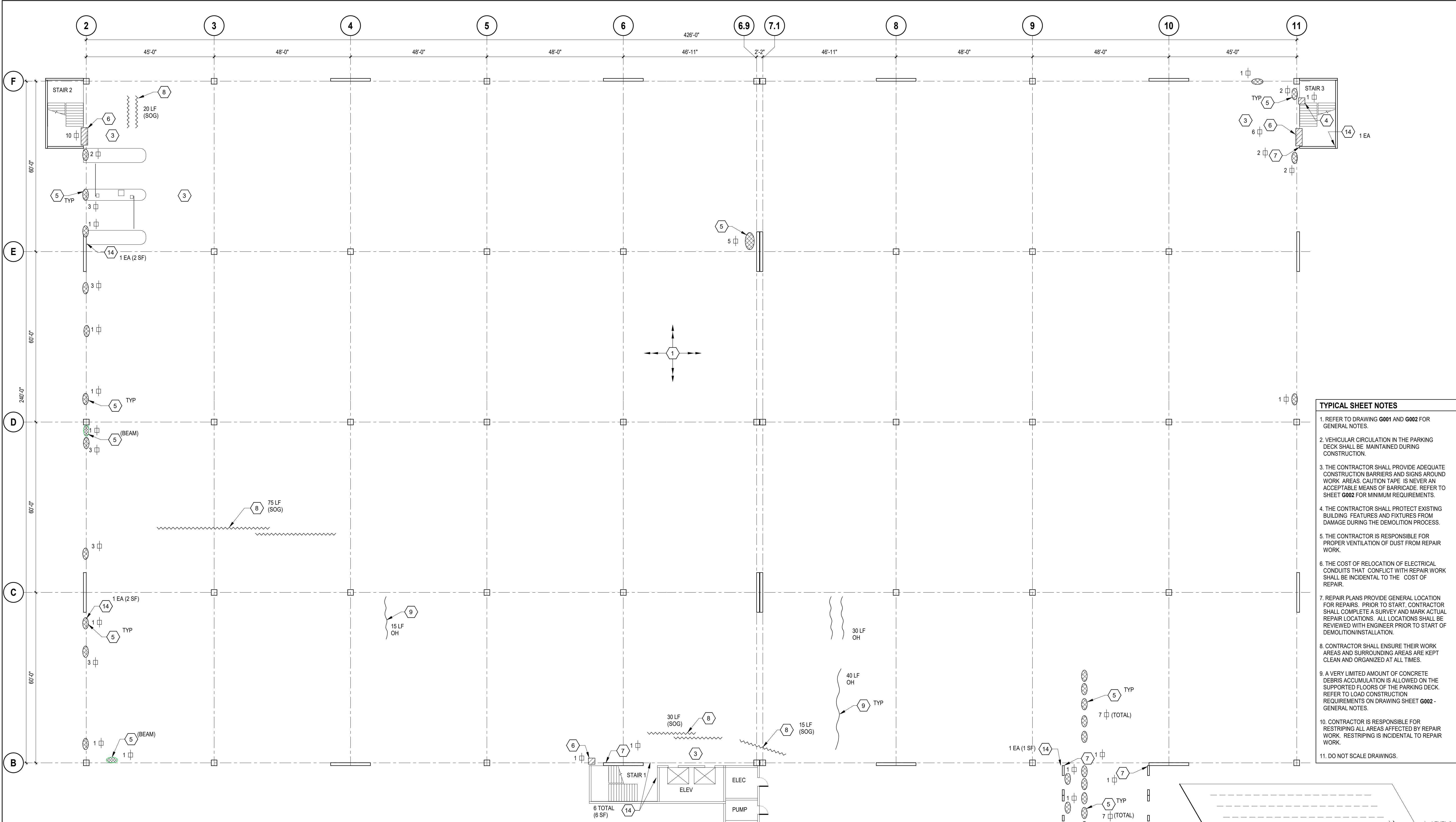
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Concord-Padgett Airport Parking Deck Repairs
7425 Zephyr Place NorthWest, Concord NC 28027
PHASING PLAN PHASES 5 & 6

SHEET
PH003

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1 Level 1 - REPAIR PLAN
1/16" = 1'-0"

PLAN NOTES

1 = STRUCTURAL SYSTEM CONSISTS OF 12" WIDE PRE-TOPPED PRECAST DOUBLE TEES. THE TEE FLANGE REINFORCEMENT CONSISTS OF WELDED WIRE FABRIC AND LIMITED MILD STEEL REINFORCEMENT.

2 = SLAB ON GRADE IS 5" THICK WITH WIRE FABRIC REINFORCEMENT THROUGHOUT. NO WORK REQUIRED.

3 = DO NOT BLOCK ACCESS TO STAIRS, ELEVATORS, OR ENTRY/ EXIT LANES UNLESS APPROVED IN WRITING BY OWNER & ENGINEER.

4 = TOPSIDE CONCRETE SPALL/DELAMINATION REPAIR. CONTRACTOR SHALL CHAIN DRAG OR HAMMER SOUND TO DETERMINE REPAIR EXTENT. VERIFY REPAIR EXTENT WITH ENGINEER PRIOR TO COMMENCING REPAIR. REFER TO REPAIR DETAILS 2, 3 AND 4 ON SHEET SR501.

5 = OVERHEAD CONCRETE SPALL/DELAMINATION REPAIR. FOR SOFFIT REPAIRS, REFER TO DETAILS 7 AND 8/SR501. FOR BEAM REPAIRS, REFER TO DETAIL 9/SR501.

6 = SLAB ON GRADE SPALL/DELAMINATION REPAIR. REFER TO DETAIL 5/SR501.

7 = WALL SPALL/DELAMINATION REPAIR. REFER TO DETAIL 10/SR501.

8 = ROUT, CLEAN, AND SEAL EXISTING CONCRETE CRACKS. PROTECT NEW SEALANTS FROM TRAFFIC WHILE THE SEALANTS CURE. REFER TO DETAIL 6/SR511.

9 = CLEAN AND EPOXY INJECT OVERHEAD CRACKS. REFER TO DETAIL 11/SR501.

10 = REMOVE ALL THE EXISTING TEE-TO-TEE SEALANTS WITHIN THE LIMITS SHOWN. CLEAN ALL JOINTS AND PROVIDE NEW JOINT SEALANT PER DETAILS 2, AND 5/SR511. PROTECT NEW SEALANTS FROM TRAFFIC WHILE THE SEALANTS CURE.

11 = REMOVE ALL EXISTING COVE JOINT SEALANTS WITHIN THE LIMITS SHOWN. CLEAN ALL JOINTS AND PROVIDE NEW JOINT SEALANT PER DETAILS 2 & 4/SR511. PROTECT NEW SEALANTS FROM TRAFFIC WHILE THE SEALANTS CURE.

12 = REMOVE ALL EXISTING FAÇADE JOINT SEALANTS WITHIN THE LIMITS SHOWN AND PROVIDE NEW SEALANTS PER DETAILS 2, 3, 4 AND 5/SR511.

13 = PROVIDE NEW 9" ø SUPPLEMENTAL FLOOR DRAIN (GALV). CONNECT DRAIN TO EXIST PIPING. WATER TEST AREA TO LOCATE EXACT DRAIN LOCATION. REFER TO DETAILS 12, AND 13/SR501.

14 = ABRASIVELY CLEAN (SSPC SP-3 POWER TOOL CLEANING) AND PAINT EXISTING CONNECTIONS W/ A 3 COAT SYSTEM. REFER TO SPEC SECTION 09 9100.

15 = PROVIDE NEW STEEL SUPPORTS TO SUPPLEMENT TEE-TO-TEE CONNECTIONS. REFER TO DETAIL 14/SR501.

16 = PROVIDE NEW SUPPLEMENTAL CONNECTION SUPPORT. REFER TO DETAIL 8/SR511.

REPAIR LEGEND

= TOPSIDE SLAB DELAMINATION, REFER TO PLAN NOTES 4 & 6.

= OVERHEAD CEILING DELAMINATION, REFER TO PLAN NOTE 5.

= OVERHEAD BEAM DELAMINATION, REFER TO PLAN NOTE 5.

= TOPSIDE CRACK. REFER TO PLAN NOTE 8.

= OVERHEAD CRACK. REFER TO PLAN NOTE 9.

= SHEAR CONNECTOR REPAIR. REFER TO PLAN NOTE 15.

EA = EACH.

EJ = EXPANSION JOINT.

FD = EXIST. FLOOR DRAIN.

▣ = EXIST. FLOOR DRAIN.

LF = LINEAR FEET.

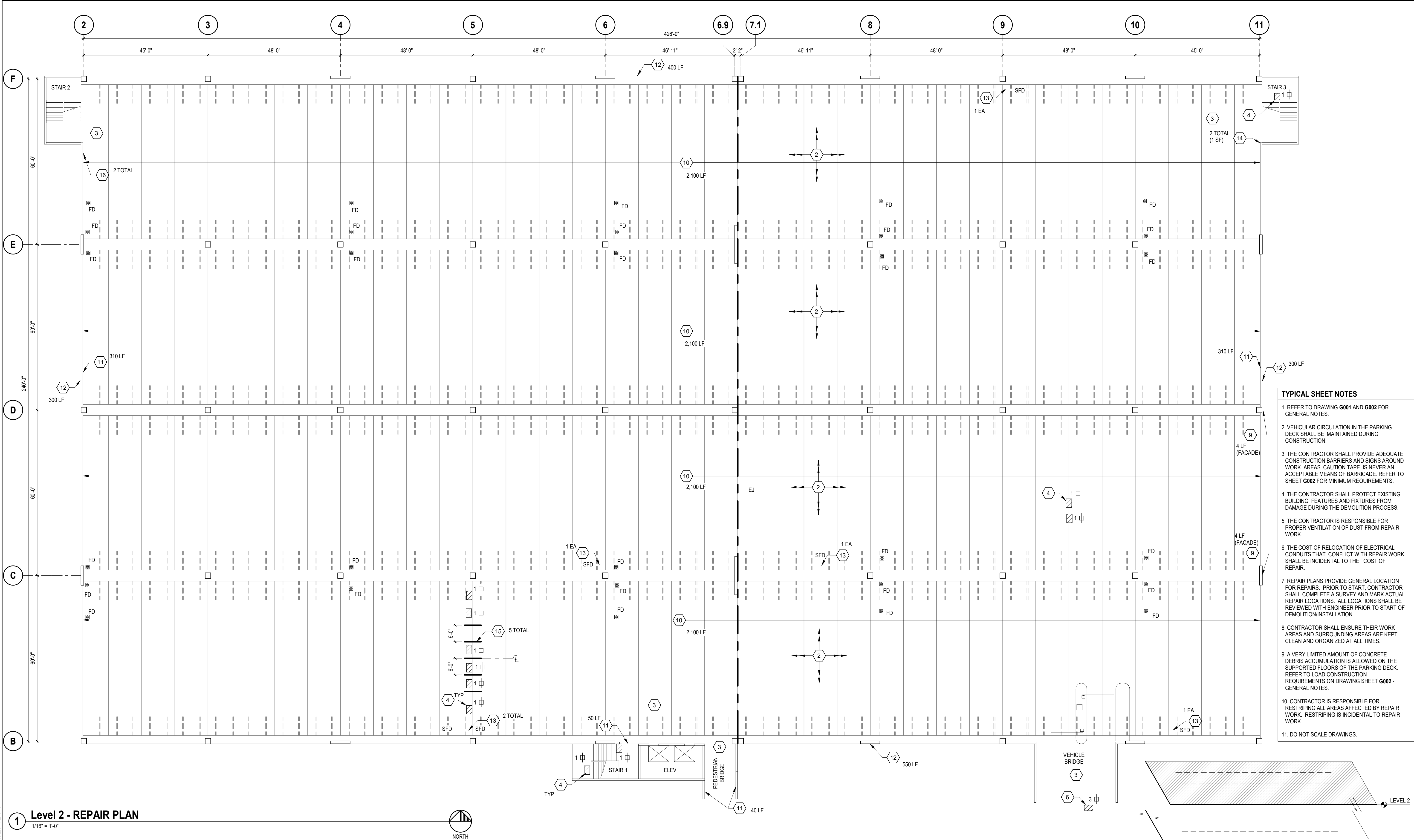
(1) = SQUARE FEET.

SFD = SUPPLEMENTAL FLOOR DRAIN.

TYPICAL SHEET NOTES

1. REFER TO DRAWING G001 AND G002 FOR GENERAL NOTES.
2. VEHICULAR CIRCULATION IN THE PARKING DECK SHALL BE MAINTAINED DURING CONSTRUCTION.
3. THE CONTRACTOR SHALL PROVIDE ADEQUATE CONSTRUCTION BARRIERS AND SIGNS AROUND WORK AREAS. CAUTION TAPE IS NEVER AN ACCEPTABLE MEANS OF BARRICADE. REFER TO SHEET G002 FOR MINIMUM REQUIREMENTS.
4. THE CONTRACTOR SHALL PROTECT EXISTING BUILDING FEATURES AND FIXTURES FROM DAMAGE DURING THE DEMOLITION PROCESS.
5. THE CONTRACTOR IS RESPONSIBLE FOR PROPER VENTILATION OF DUST FROM REPAIR WORK.
6. THE COST OF RELOCATION OF ELECTRICAL CONDUITS THAT CONFLICT WITH REPAIR WORK SHALL BE INCIDENTAL TO THE COST OF REPAIR.
7. REPAIR PLANS PROVIDE GENERAL LOCATION FOR REPAIRS. PRIOR TO START, CONTRACTOR SHALL COMPLETE A SURVEY AND MARK ACTUAL REPAIR LOCATIONS. ALL LOCATIONS SHALL BE REVIEWED WITH ENGINEER PRIOR TO START OF DEMOLITION/INSTALLATION.
8. CONTRACTOR SHALL ENSURE THEIR WORK AREAS AND SURROUNDING AREAS ARE KEPT CLEAN AND ORGANIZED AT ALL TIMES.
9. A VERY LIMITED AMOUNT OF CONCRETE DEBRIS ACCUMULATION IS ALLOWED ON THE SUPPORTED FLOORS OF THE PARKING DECK. REFER TO LOAD CONSTRUCTION REQUIREMENTS ON DRAWING SHEET G002 - GENERAL NOTES.
10. CONTRACTOR IS RESPONSIBLE FOR RESTRIPIING ALL AREAS AFFECTED BY REPAIR WORK. RESTRIPIING IS INCIDENTAL TO REPAIR WORK.
11. DO NOT SCALE DRAWINGS.

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1 Level 2 - REPAIR PLAN

1/16" = 1'-0"

- PLAN NOTES**
- 1 = STRUCTURAL SYSTEM CONSISTS OF 12" WIDE PRE-TOPPED PRECAST DOUBLE TEES. THE TEE FLANGE REINFORCEMENT CONSISTS OF WELDED WIRE FABRIC AND LIMITED MILD STEEL REINFORCEMENT.
 - 2 = SLAB ON GRADE IS 5" THICK WITH WIRE FABRIC REINFORCEMENT THROUGHOUT. NO WORK REQUIRED.
 - 3 = DO NOT BLOCK ACCESS TO STAIRS, ELEVATORS, OR ENTRY/ EXIT LANES UNLESS APPROVED IN WRITING BY OWNER & ENGINEER.
 - 4 = TOPSIDE CONCRETE SPALL/DELAMINATION REPAIR. CONTRACTOR SHALL CHAIN DRAG OR HAMMER SOUND TO DETERMINE REPAIR EXTENT. VERIFY REPAIR EXTENT WITH ENGINEER PRIOR TO COMMENCING REPAIR. REFER TO REPAIR DETAILS 2, 3 AND 4 ON SHEET SR501.
 - 5 = OVERHEAD CONCRETE SPALL/DELAMINATION REPAIR. FOR SOFFIT REPAIRS, REFER TO DETAILS 7 AND 8/SR501. FOR BEAM REPAIRS, REFER TO DETAIL 9/SR501.
 - 6 = SLAB ON GRADE SPALL/DELAMINATION REPAIR. REFER TO DETAIL 5/SR501.
 - 7 = WALL SPALL/DELAMINATION REPAIR. REFER TO DETAIL 10/SR501.
 - 8 = ROUT, CLEAN, AND SEAL EXISTING CONCRETE CRACKS. PROTECT NEW SEALANTS FROM TRAFFIC WHILE THE SEALANTS CURE. REFER TO DETAIL 6/SR511.
 - 9 = CLEAN AND EPOXY INJECT OVERHEAD CRACKS. REFER TO DETAIL 11/SR501.
 - 10 = REMOVE ALL THE EXISTING TEE-TO-TEE SEALANTS WITHIN THE LIMITS SHOWN. CLEAN ALL JOINTS AND PROVIDE NEW JOINT SEALANT PER DETAILS 2, AND 5/SR511. PROTECT NEW SEALANTS FROM TRAFFIC WHILE THE SEALANTS CURE.
 - 11 = REMOVE ALL EXISTING COVE JOINT SEALANTS WITHIN THE LIMITS SHOWN. CLEAN ALL JOINTS AND PROVIDE NEW JOINT SEALANT PER DETAILS 2 & 4/SR511. PROTECT NEW SEALANTS FROM TRAFFIC WHILE THE SEALANTS CURE.
 - 12 = REMOVE ALL EXISTING FAÇADE JOINT SEALANTS WITHIN THE LIMITS SHOWN AND PROVIDE NEW SEALANTS PER DETAILS 2, 3, 4 AND 5/SR511.
 - 13 = PROVIDE NEW 9" ø SUPPLEMENTAL FLOOR DRAIN (GALV). CONNECT DRAIN TO EXIST PIPING. WATER TEST AREA TO LOCATE EXACT DRAIN LOCATION. REFER TO DETAILS 12, AND 13/SR501.
 - 14 = ABRASIVELY CLEAN (SSPC SP-3 POWER TOOL CLEANING) AND PAINT EXISTING CONNECTIONS W/ A 3 COAT SYSTEM. REFER TO SPEC SECTION 09 9100.
 - 15 = PROVIDE NEW STEEL SUPPORTS TO SUPPLEMENT TEE-TO-TEE CONNECTIONS. REFER TO DETAIL 14/SR501.
 - 16 = PROVIDE NEW SUPPLEMENTAL CONNECTION SUPPORT. REFER TO DETAIL 8/SR511.

- 9 = CLEAN AND EPOXY INJECT OVERHEAD CRACKS. REFER TO DETAIL 11/SR501.
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REPAIR LEGEND	
	= TOPSIDE SLAB DELAMINATION, REFER TO PLAN NOTES 4 & 6.
	= OVERHEAD CEILING DELAMINATION, REFER TO PLAN NOTE 5.
	= OVERHEAD BEAM DELAMINATION, REFER TO PLAN NOTE 5.
	= TOPSIDE CRACK. REFER TO PLAN NOTE 8.
	= OVERHEAD CRACK. REFER TO PLAN NOTE 9.
	= SHEAR CONNECTOR REPAIR. REFER TO PLAN NOTE 15.
EA	= EACH.
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Concord-Padgett Airport Parking
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7425 Zephyr Place NorthWest, Concord NC 28027

LEVEL 2 REPAIR PLAN

SHEET
SR102

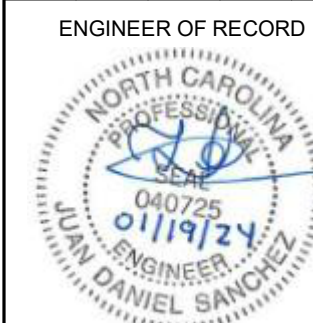


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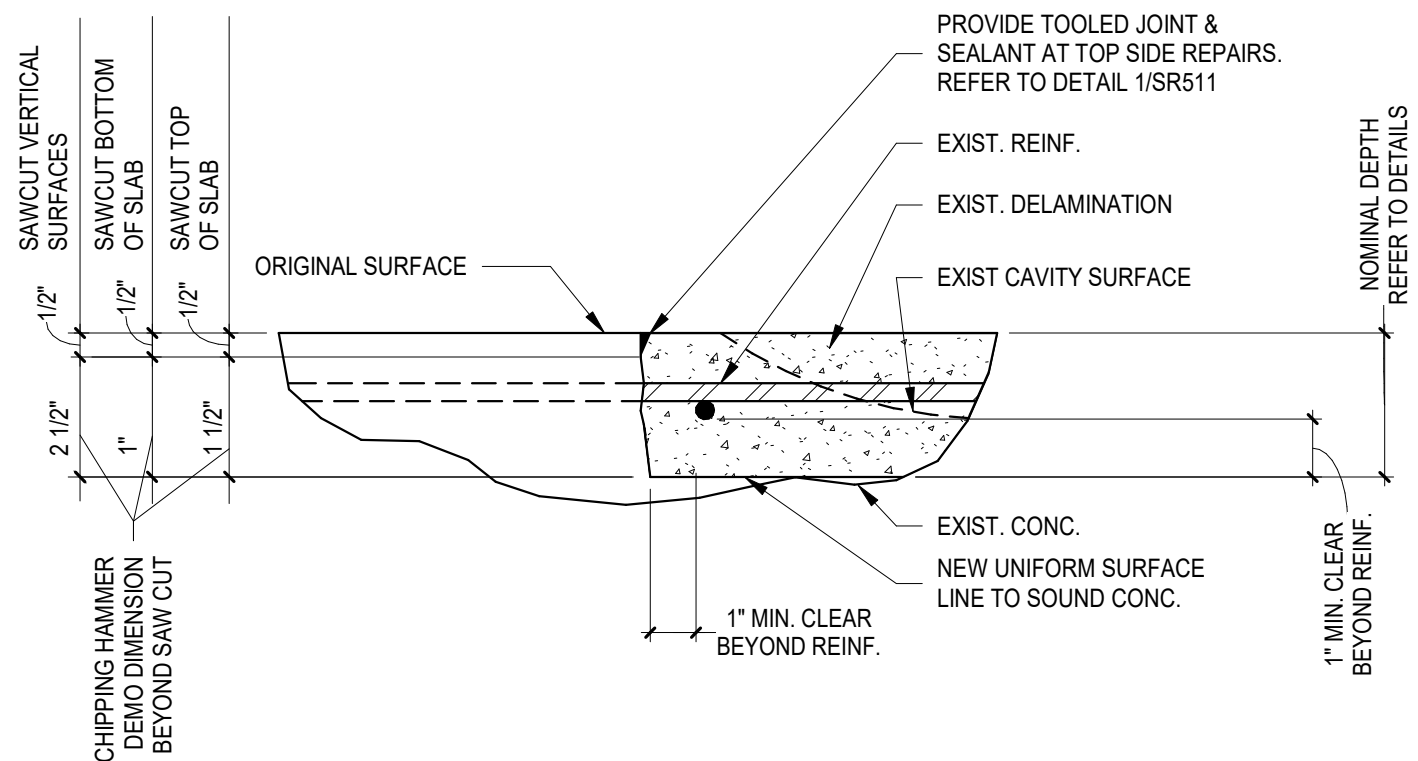


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FOR CONSTRUCTION	1	01/19/2024	

ISSUED FOR	FOR CONSTRUCTION	DATE
JOB NO.	847.01	01/19/2024
DRAWN BY	CC, EF, JDS	
CHECKED BY	JDS	
DATE	01/19/2024	

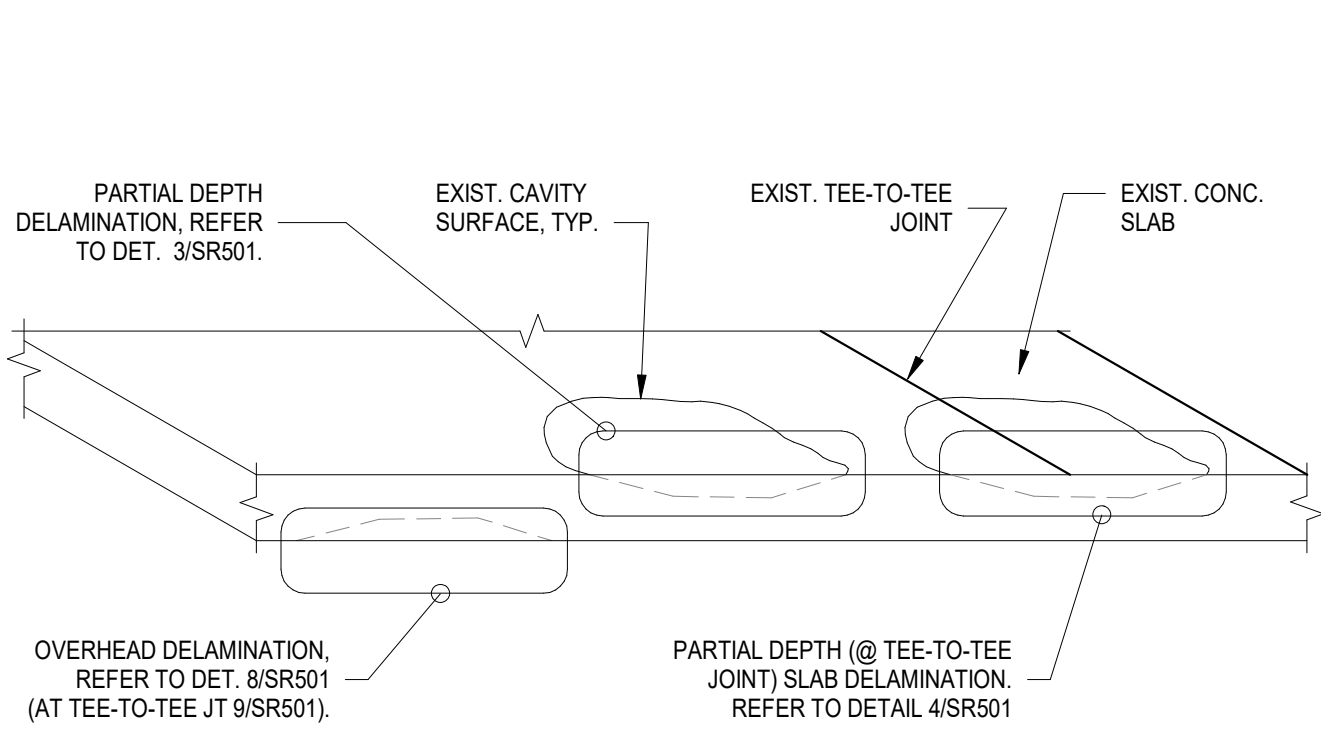


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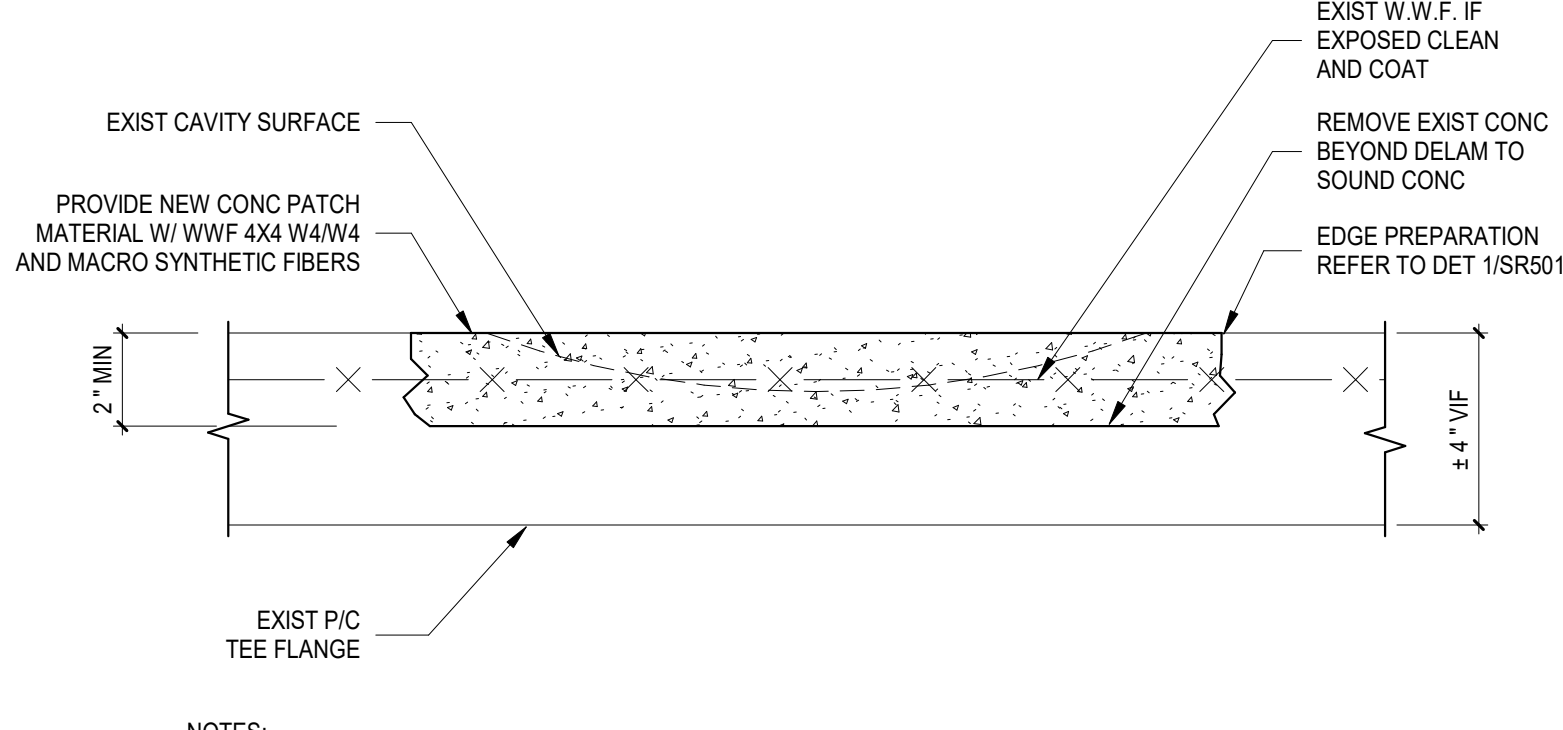
1 EDGE PREPARATION DETAIL

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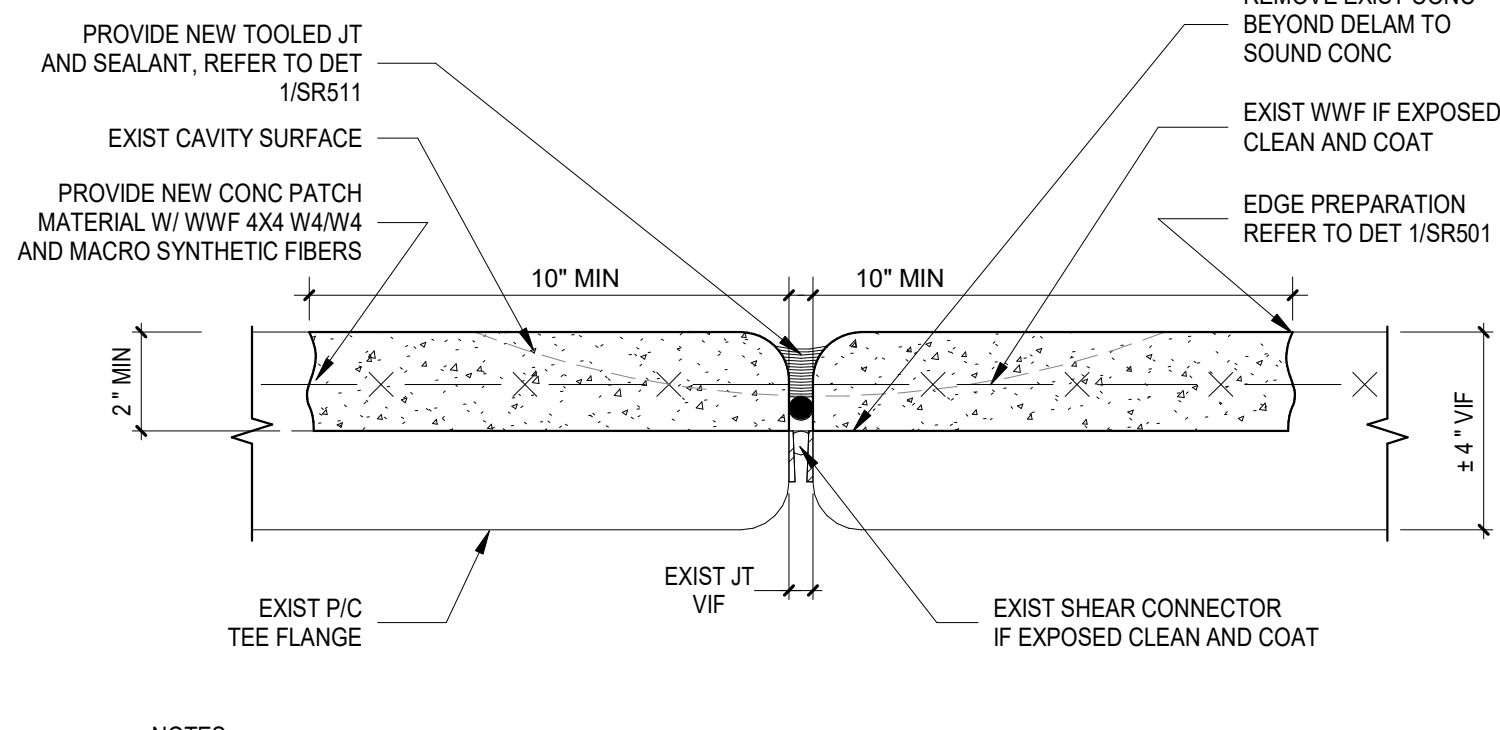
2 SLAB REPAIR REFERENCE DETAIL

3/4\"/>



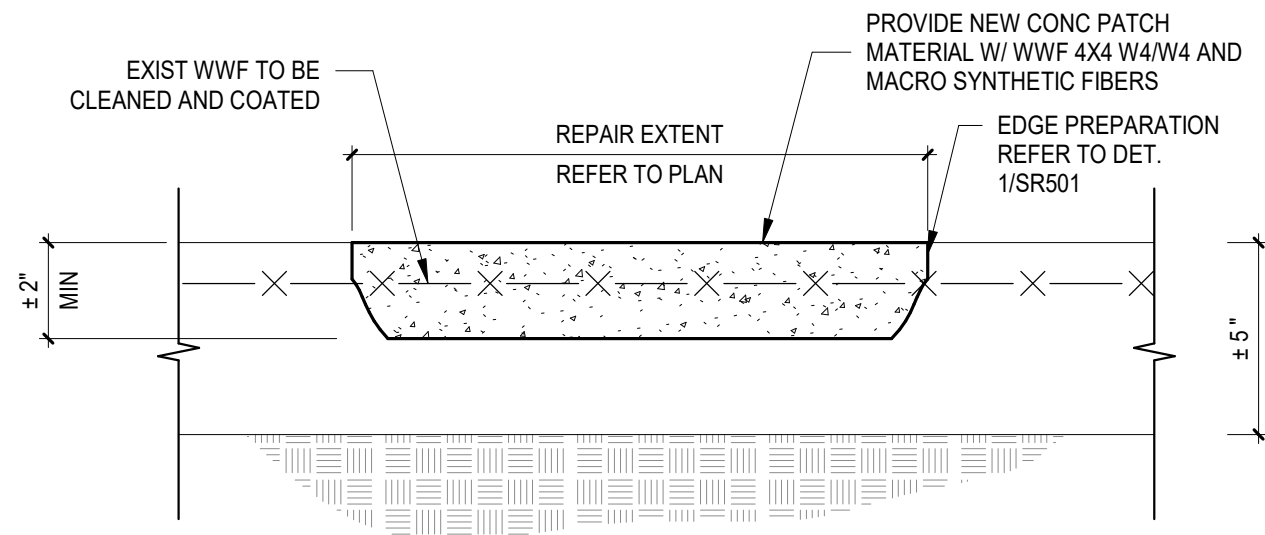
3 TOPSIDE SLAB REPAIR DETAIL (TYP)

3\"/>



4 TOPSIDE SLAB REPAIR DETAIL (@ TEE-TO-TEE JOINT)

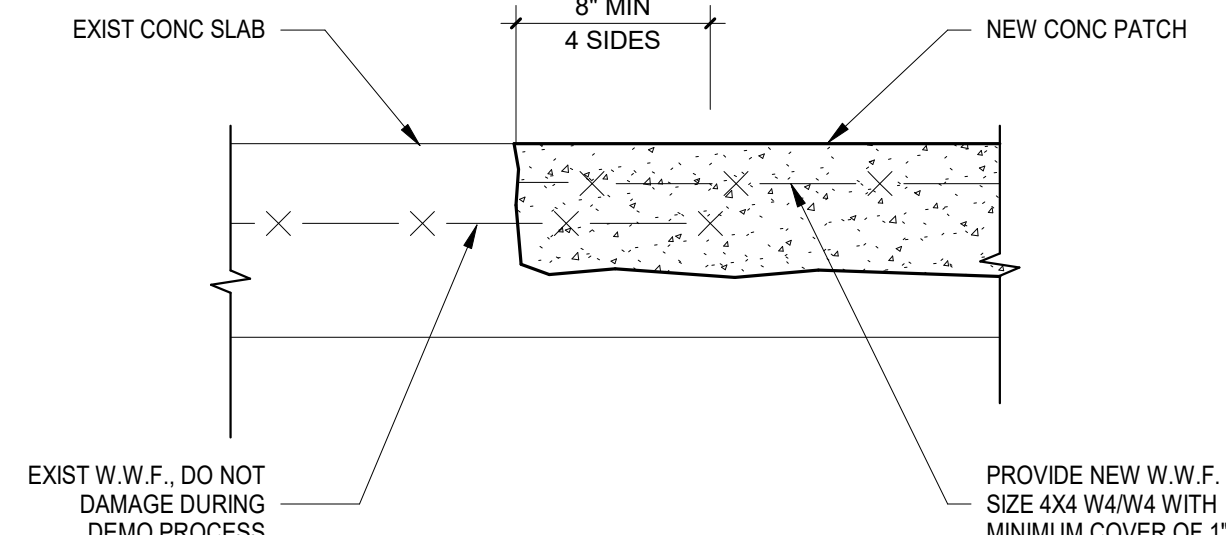
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NOTES:
1. REFER TO DETAIL 6/SR501 FOR WWF SPLICE REQUIREMENTS.

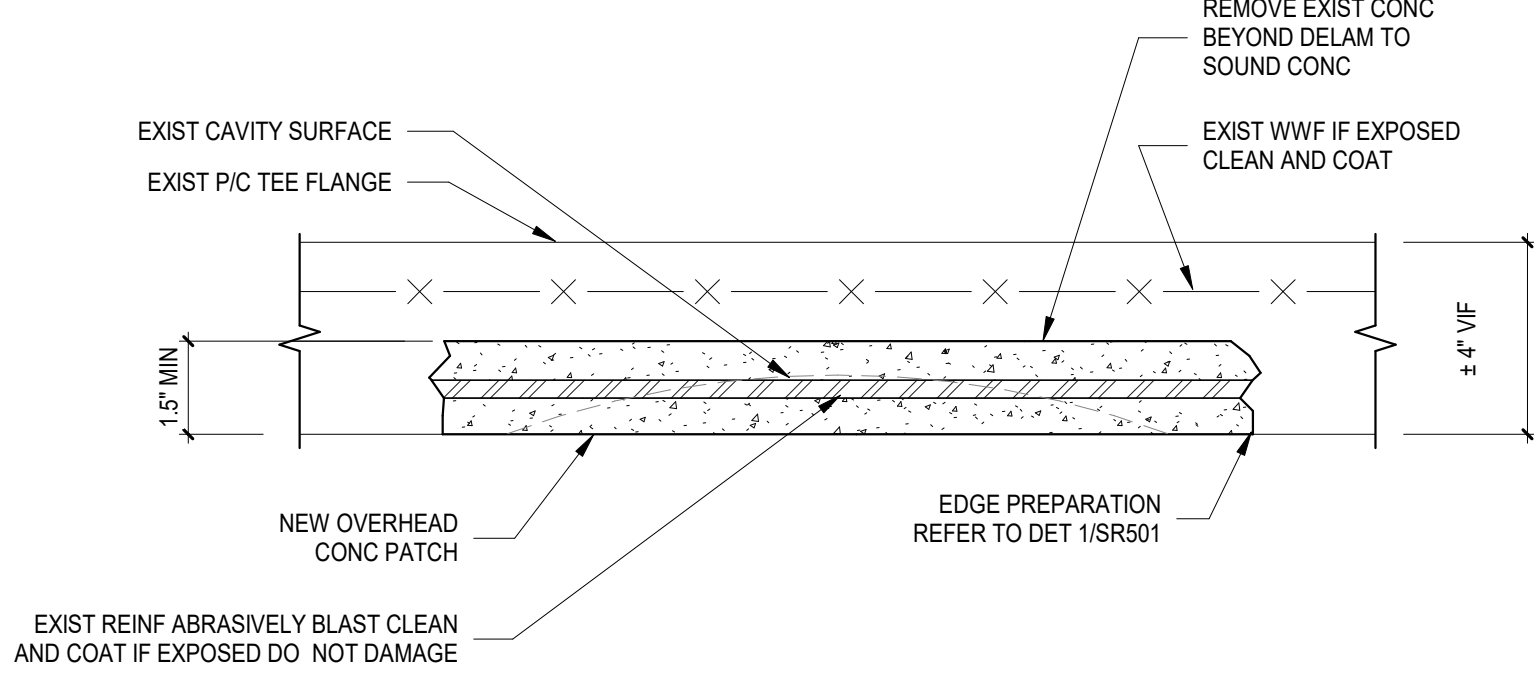
5 SLAB ON GRADE REPAIR DETAIL

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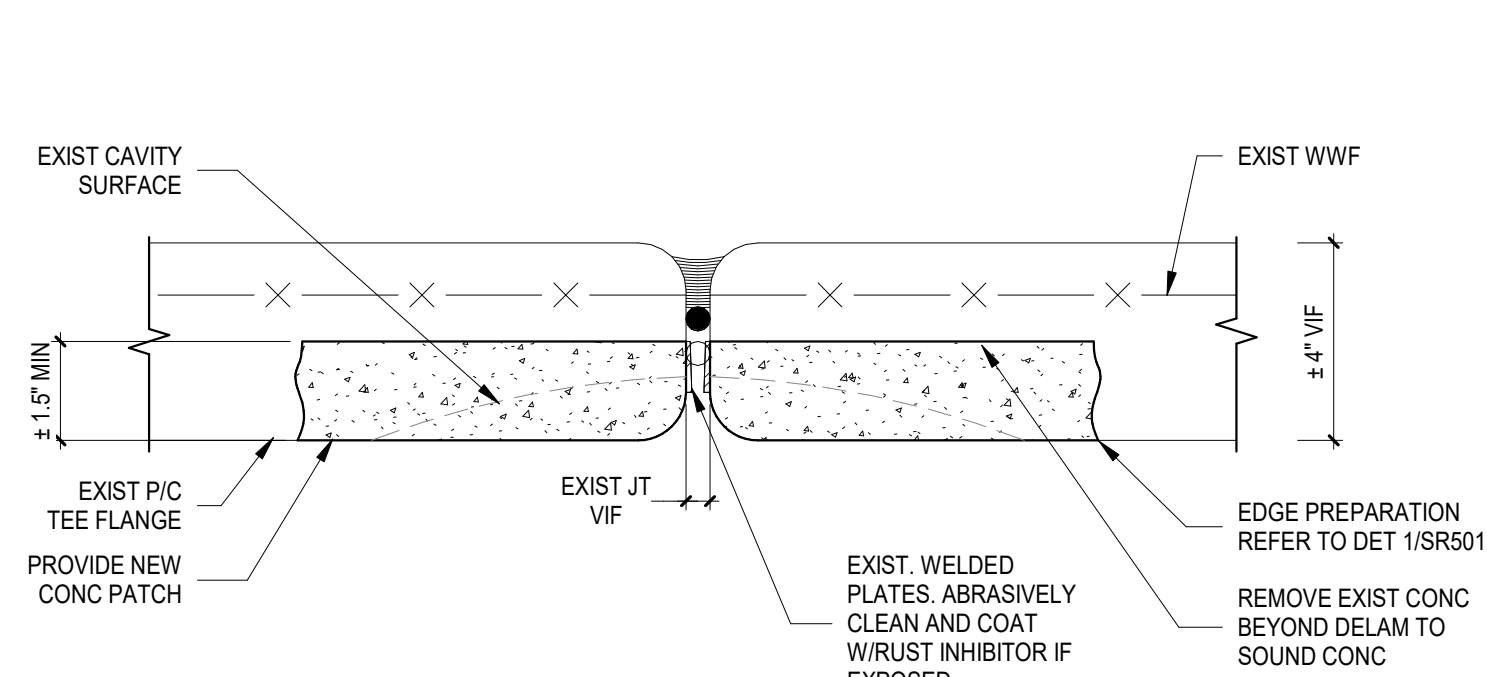
6 W.W.F. SPLICE DETAIL

1 1/2\"/>



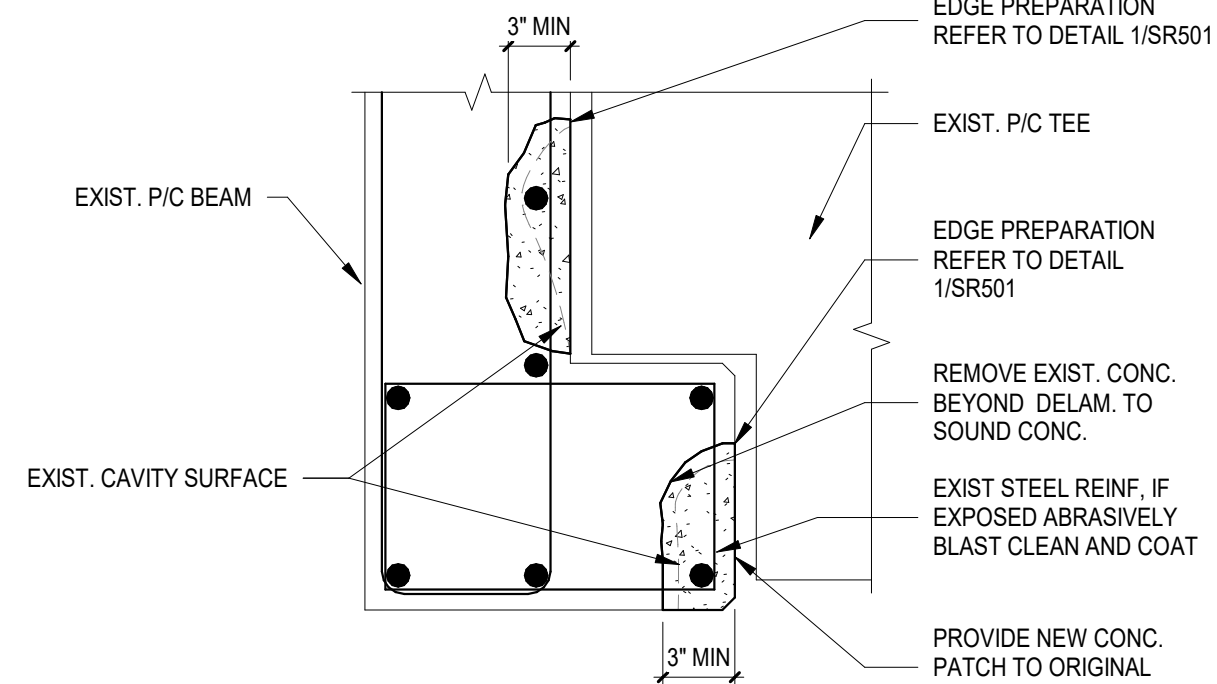
7 OVERHEAD SLAB REPAIR DETAIL

3\"/>



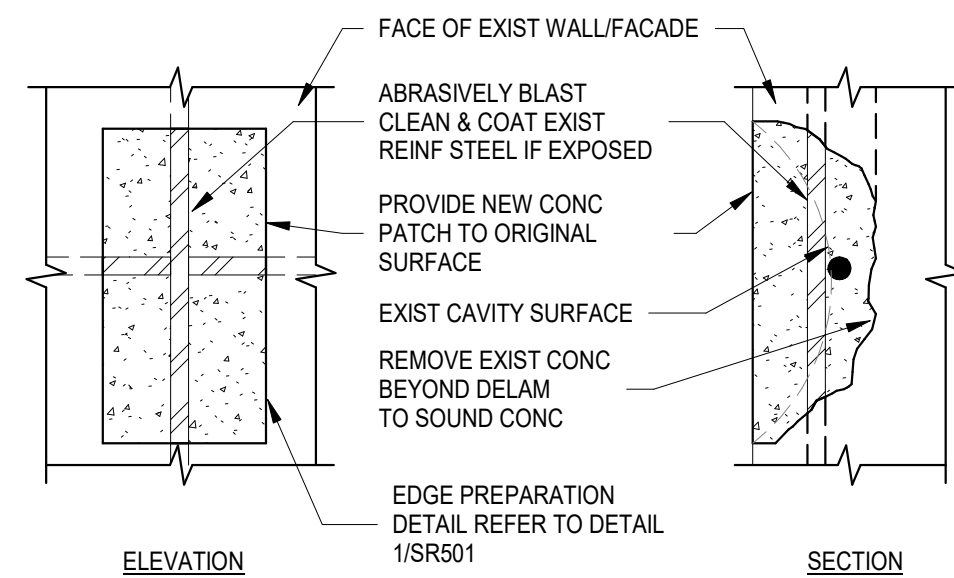
8 OVERHEAD SLAB REPAIR DETAIL

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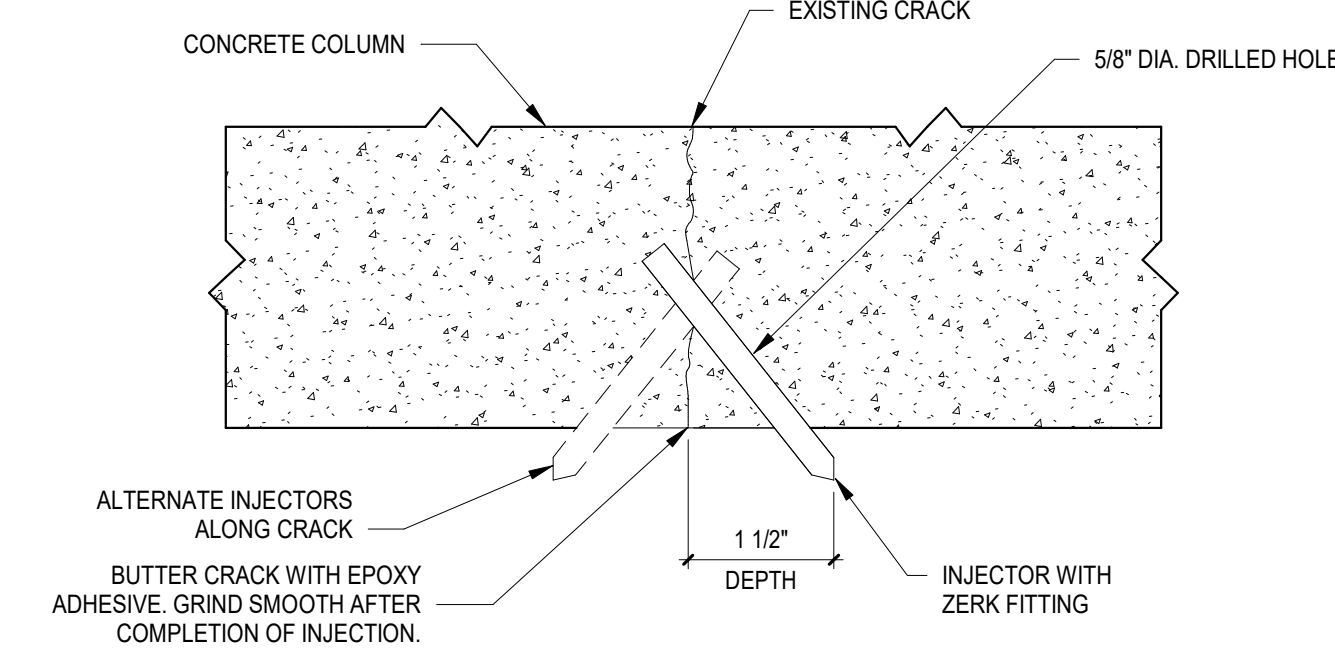
9 P/C BEAM DELAMINATION REPAIR DETAIL

1 1/2\"/>



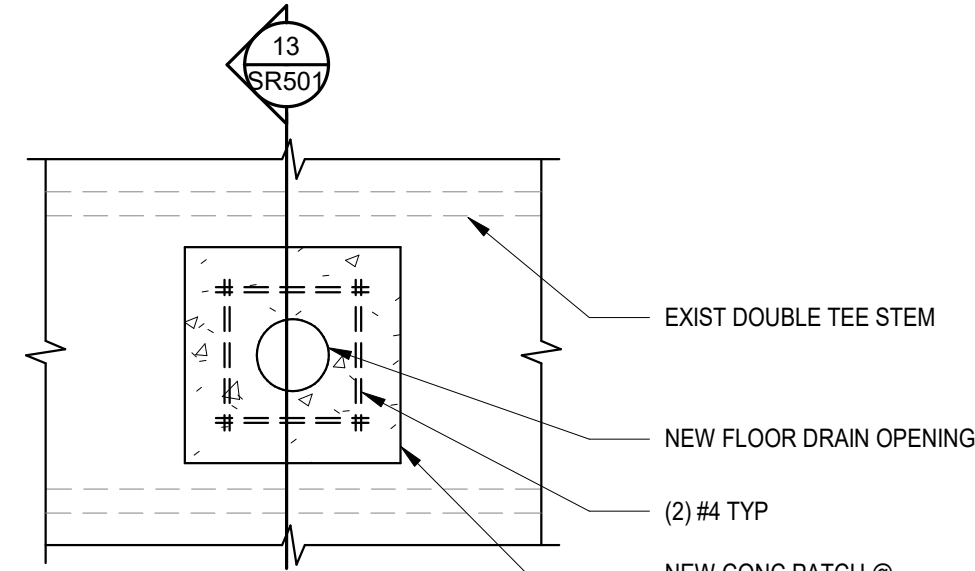
10 WALL/FACADE SPALL REPAIR DETAIL

3/4\"/>



11 GROUT INJECTION AT WALL

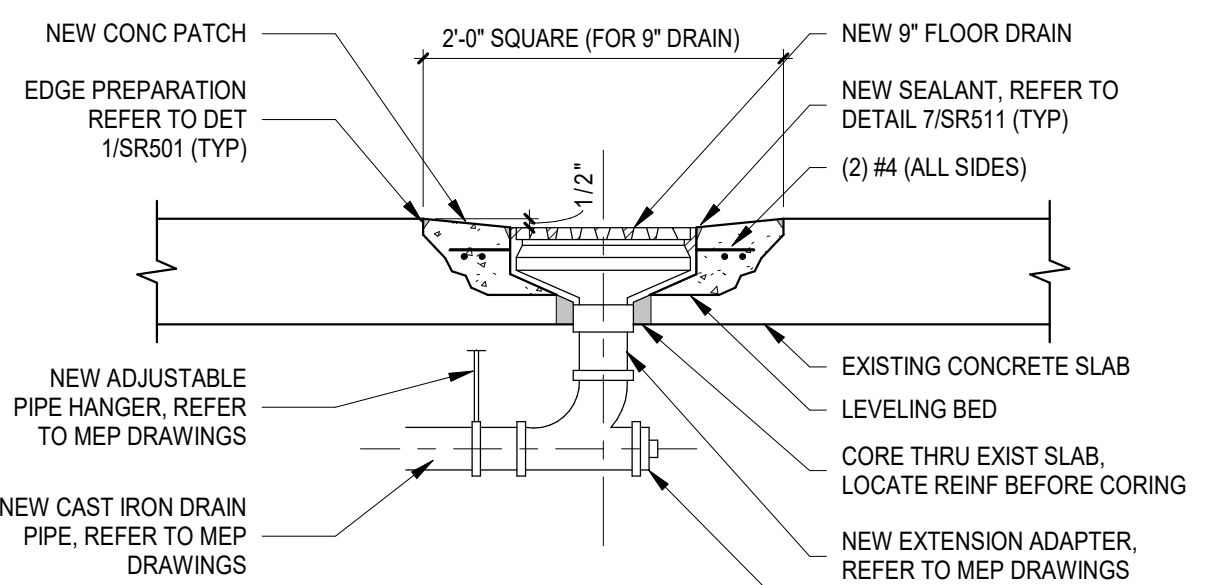
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NOTE:
1. SCAN FLOOR TO LOCATE ALL EXISTING REINFORCEMENT PRIOR TO CUTTING HOLE IN SLAB FOR DRAIN BODY. DO NOT CUT OR DAMAGE ANY REINFORCING.

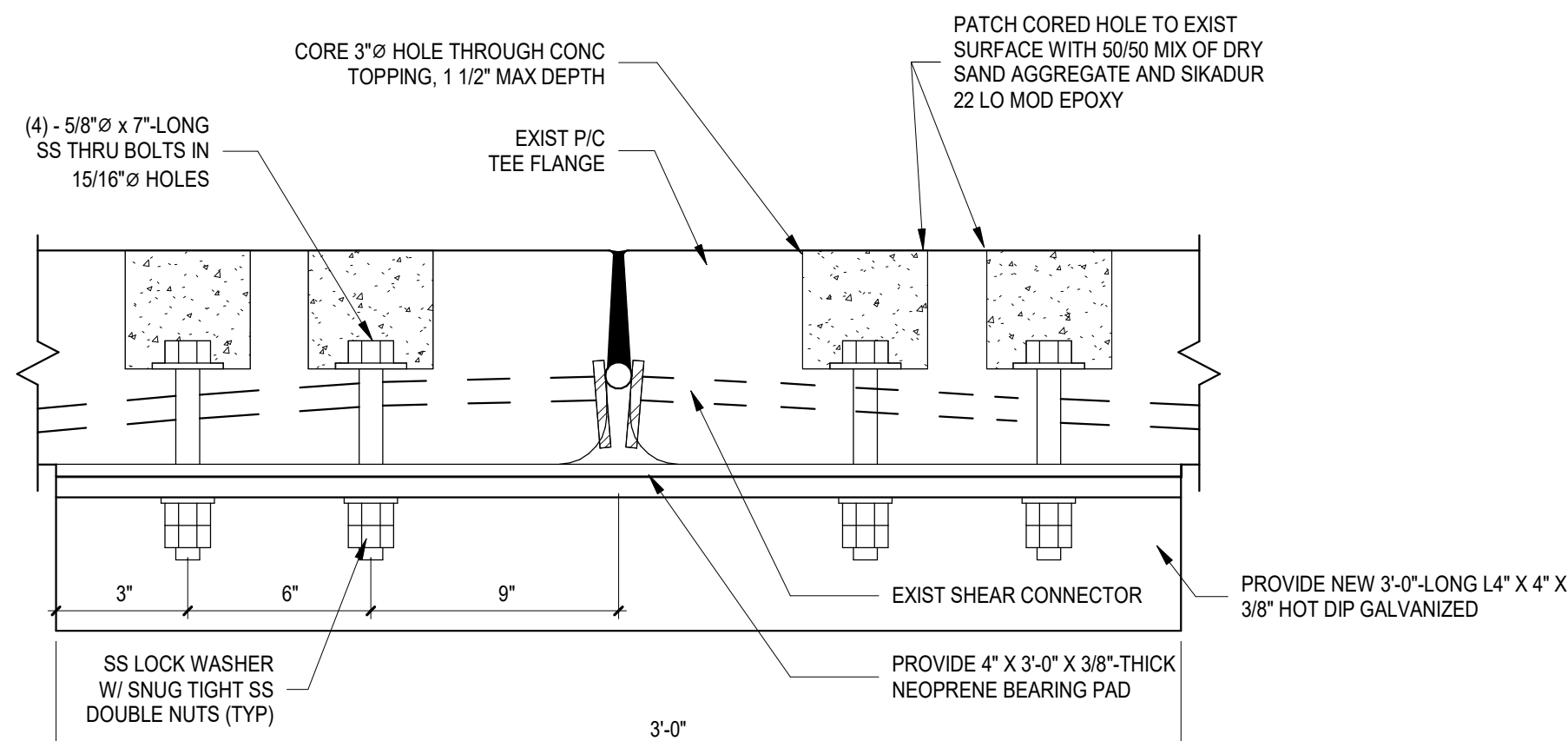
12 NEW FLOOR DRAIN DETAIL (PLAN)

3/4\"/>



13 NEW FLOOR DRAIN DETAIL

3/4\"/>



14 SHEAR CONNECTOR REPAIR DETAIL

3\"/>



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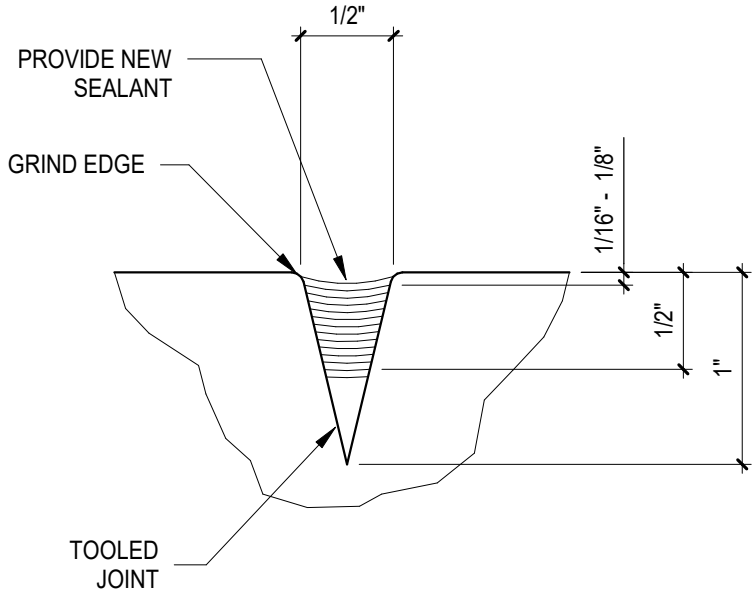
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ISSUED FOR	FOR CONSTRUCTION	DATE	DESCRIPTION
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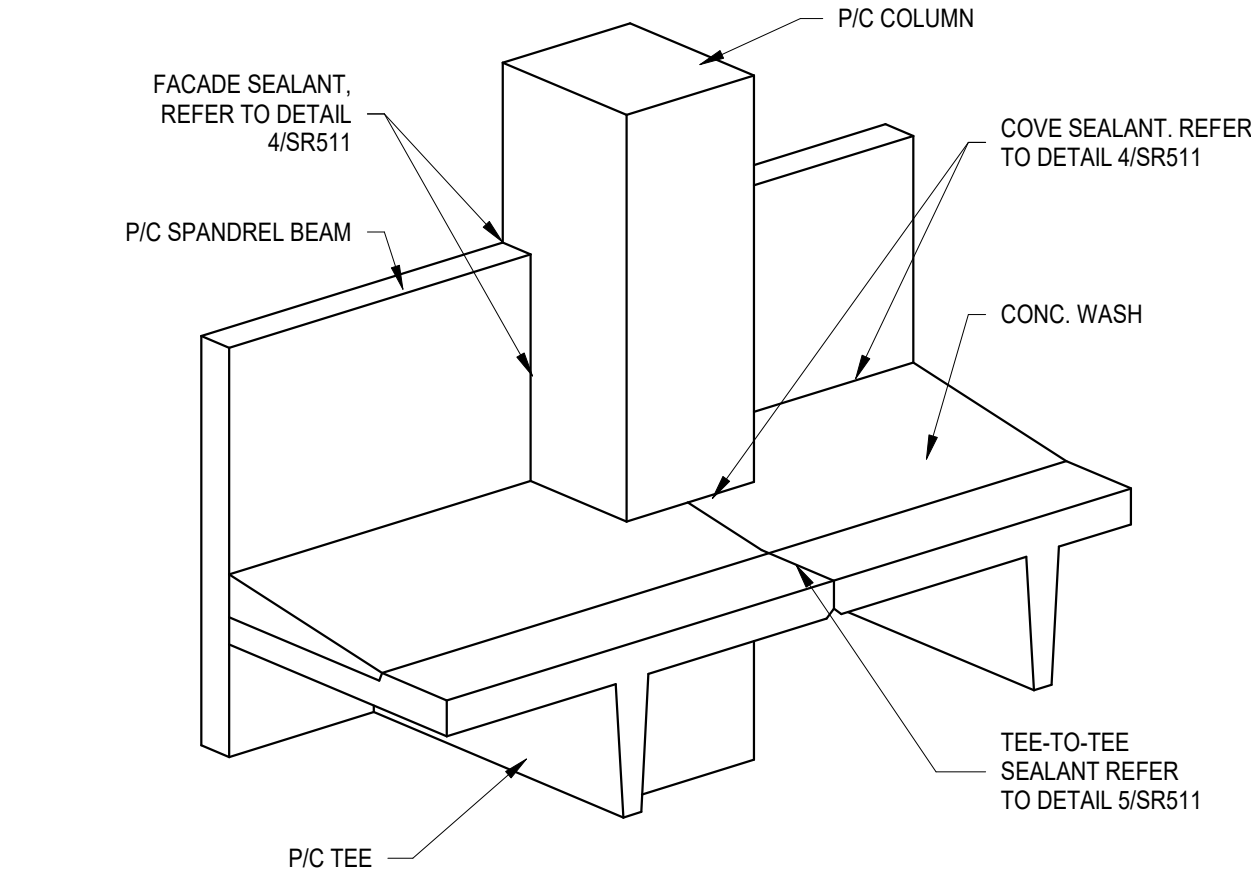


Concord-Padgett Airport Parking
Deck Repairs
7425 Zephyr Place NorthWest, Concord NC 28027
REPAIR DETAILS

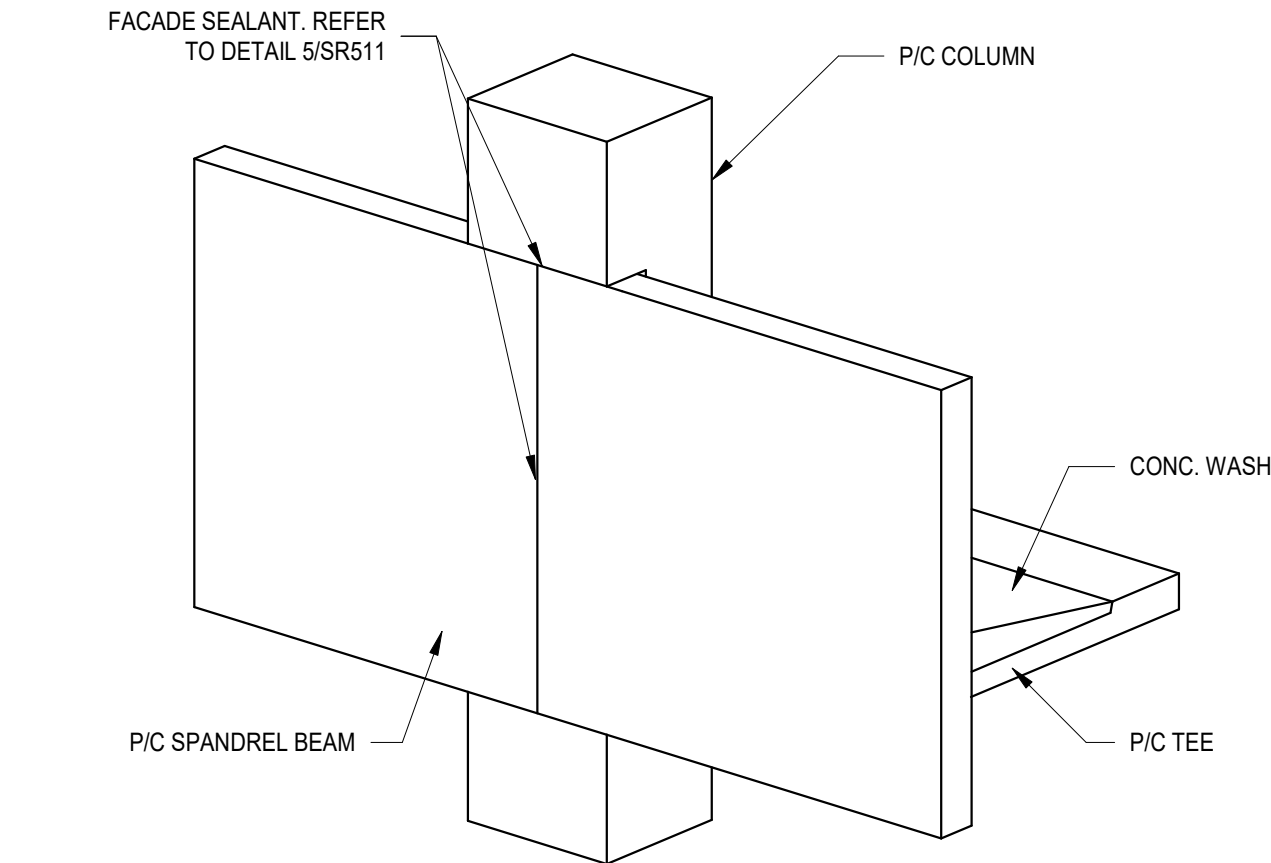
SHEET
SR501



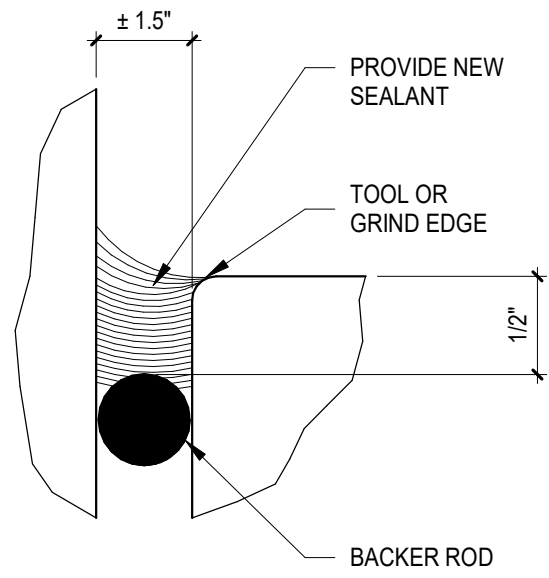
1 TOOLED JOINT SEALANT DETAIL
1/2" = 1'-0"



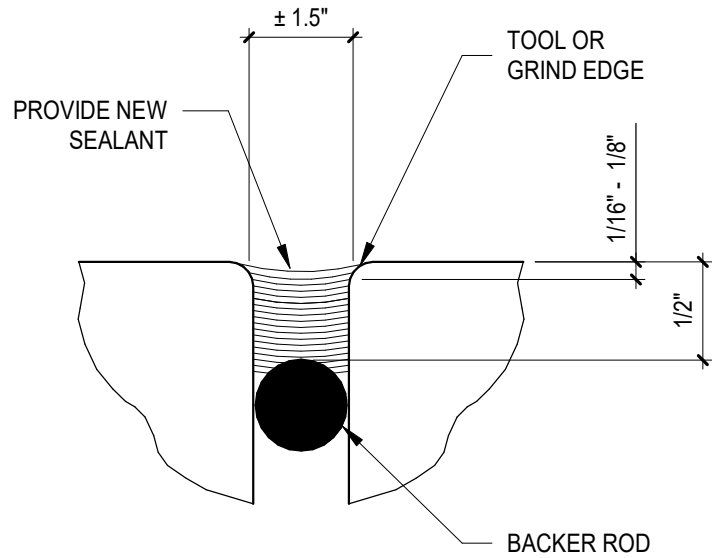
2 SEA001
1/2" = 1'-0"



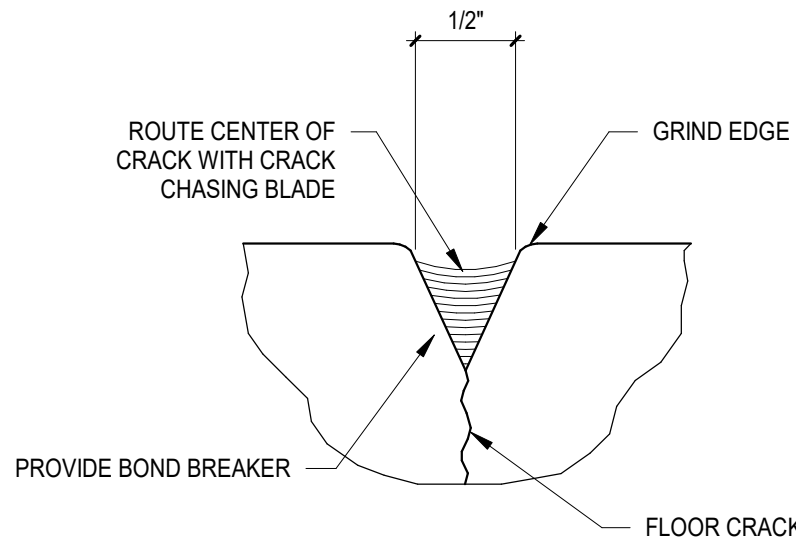
3 SEA005
1/2" = 1'-0"



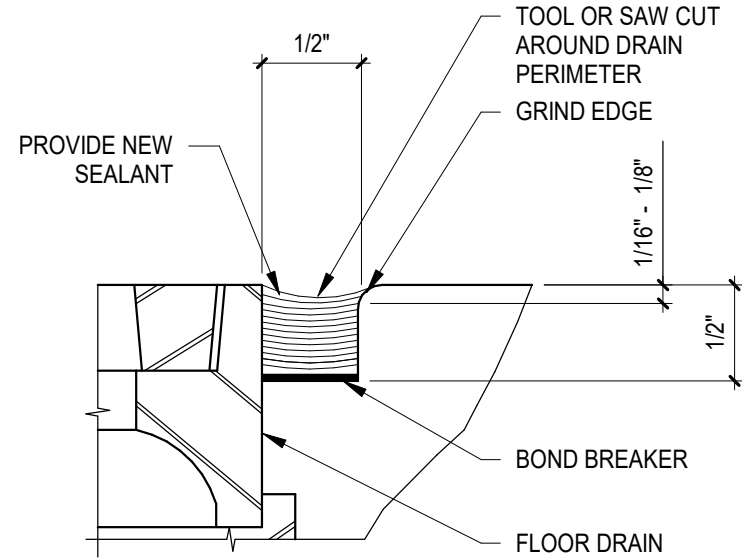
4 COVE JOINT SEALANT DETAIL
1/2" = 1'-0"



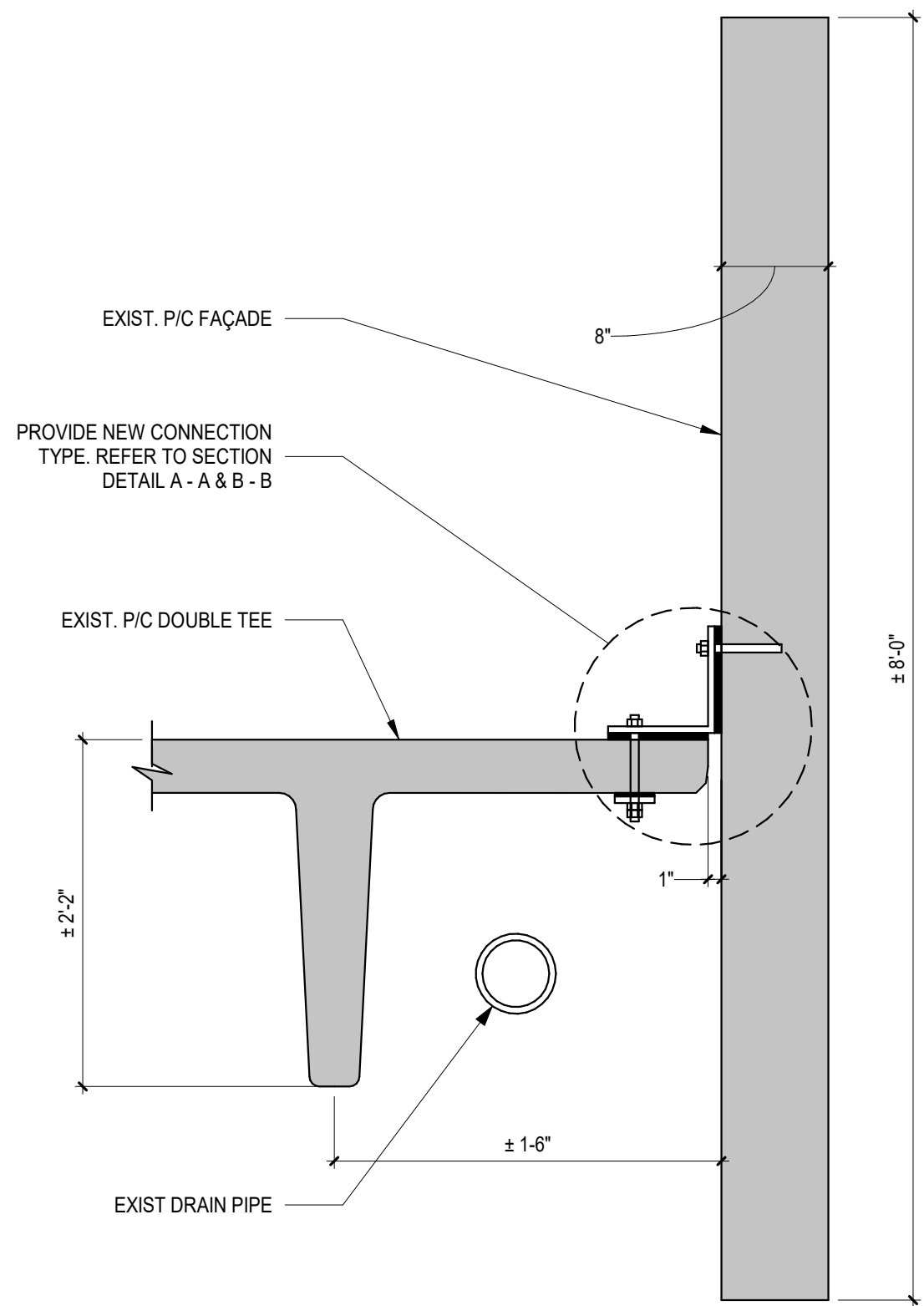
5 JOINT SEALANT DETAIL
1/2" = 1'-0"



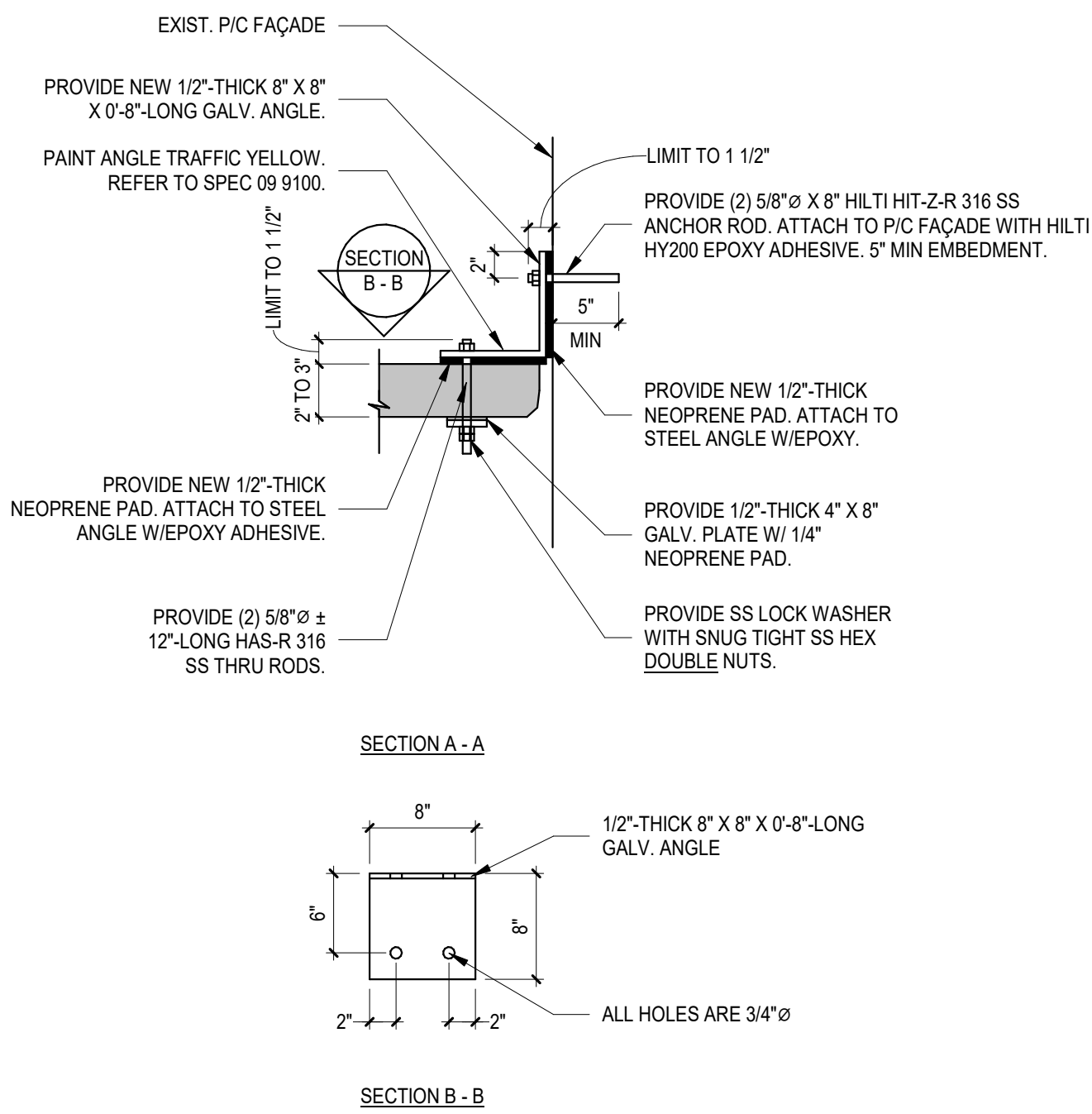
6 SEALANT DETAIL
1/2" = 1'-0"



7 FLOOR DRAIN SEALANT DETAIL
1/2" = 1'-0"



8 SUPPLEMENTAL STEEL SUPPORT DETAIL
1" = 1'-0"



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