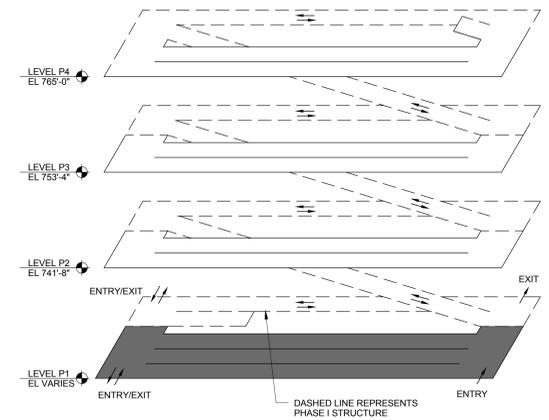
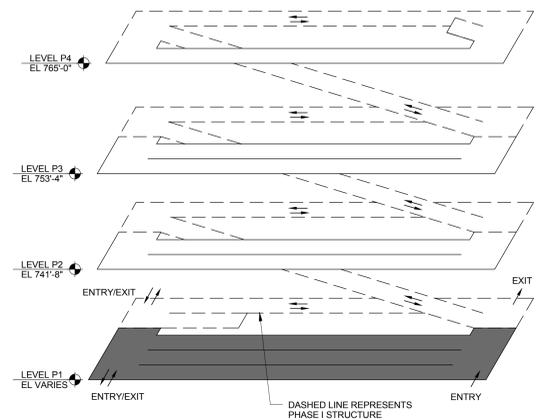


GENERAL SHEET NOTES

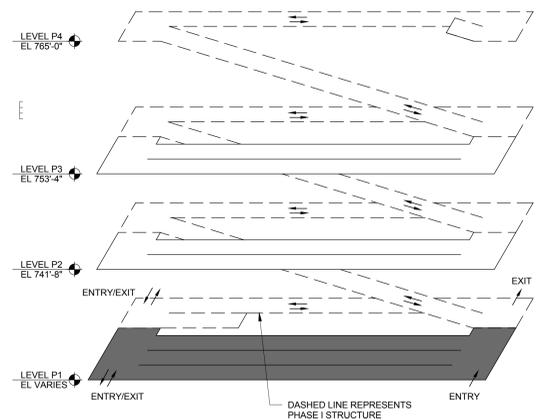
- REFER TO SHEET S-001 FOR GENERAL NOTES.
- REFER TO DETAIL E7/S-101 FOR PLAN ELEVATION KEY.
- REFER TO CIVIL DRAWINGS FOR EXTERIOR GRADE ELEVATIONS.
- REFER TO ARCHITECTURAL DRAWINGS FOR ENTRY / EXIT PLANS.
- REFER TO "S-400" SERIES AND ARCHITECTURAL DRAWINGS FOR STAIR AND STAIR / ELEVATOR PLANS, ELEVATIONS, STAIR DETAILS, AND SECTIONS.
- REFER TO PLUMBING DRAWINGS FOR FLOOR DRAIN LOCATIONS AND DETAILS.
- CONCRETE INTERIOR SLAB ON GRADE SHALL BE 5" THICK, UNDERLAIN BY 6" MINIMUM LAYER OF FREE DRAINING BASE COURSE AND REINFORCED WITH #3 @ 18" ON CENTER EACH WAY PLACED 2" CLEAR FROM TOP OF SLAB. ALSO SEE GENERAL NOTE III C 7 ON SHEET S-001. GEOTECH SUPPLEMENTAL REPORT STATES TO REMOVE 4 FEET OF EXISTING FILL BELOW FINISHED GRADE AND REPLACE WITH ENGINEERED FILL. REFER TO THE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION REGARDING SUBGRADE PREPARATION. PROVIDE 12" JOINT FILLER AT GRADE SLAB AROUND COLUMNS. TYPICAL SEE F5/S-510.
- USE STRAIGHT LINE INTERPOLATION FOR FLOOR ELEVATION BETWEEN THOSE INDICATED.
- PROVIDE CONSTRUCTION OR CONTROL JOINTS IN CIP WALLS PER DETAIL A3/S-501 AND DETAIL B3/S-501 TO MATCH JOINT IN SLAB ON GRADE.
- PROVIDE CORNER REINFORCEMENT FOR CIP WALLS PER DETAIL C3/S-501 AND DETAIL D3/S-501 AS REQUIRED.
- INDICATES PLAN MATCH LINE.
- SEE SHEET S-321 FOR SHEAR WALL DETAILS.
- REFER TO SHEET S-501 AND SHEET S-510 FOR TYPICAL DETAILS.
- GRADE SLAB IN ELECTRICAL ROOMS TO BE UNDERLAIN BY 2" THICK LAYER OF SAND OVER A VAPOR RETARDER. SEE SPECIFICATION 03 30 00.
- GRADE SLAB IN SNOW DUMP AREAS TO BE 8" THICK AND REINFORCED WITH #4 @ 6" OC PLACED AT MID-DEPTH. USE FIBER-REINFORCED CONCRETE IN THESE AREAS (MINIMUM DOSAGE FIBRILATED POLY PROPYLENE FIBERS PER SPECIFICATIONS).
- FLOOR ELEVATIONS ALONG A ARE INTENDED TO MATCH EXISTING FLOOR ELEVATIONS OF EXISTING GARAGE ALONG LINE C. VERIFY IN FIELD.



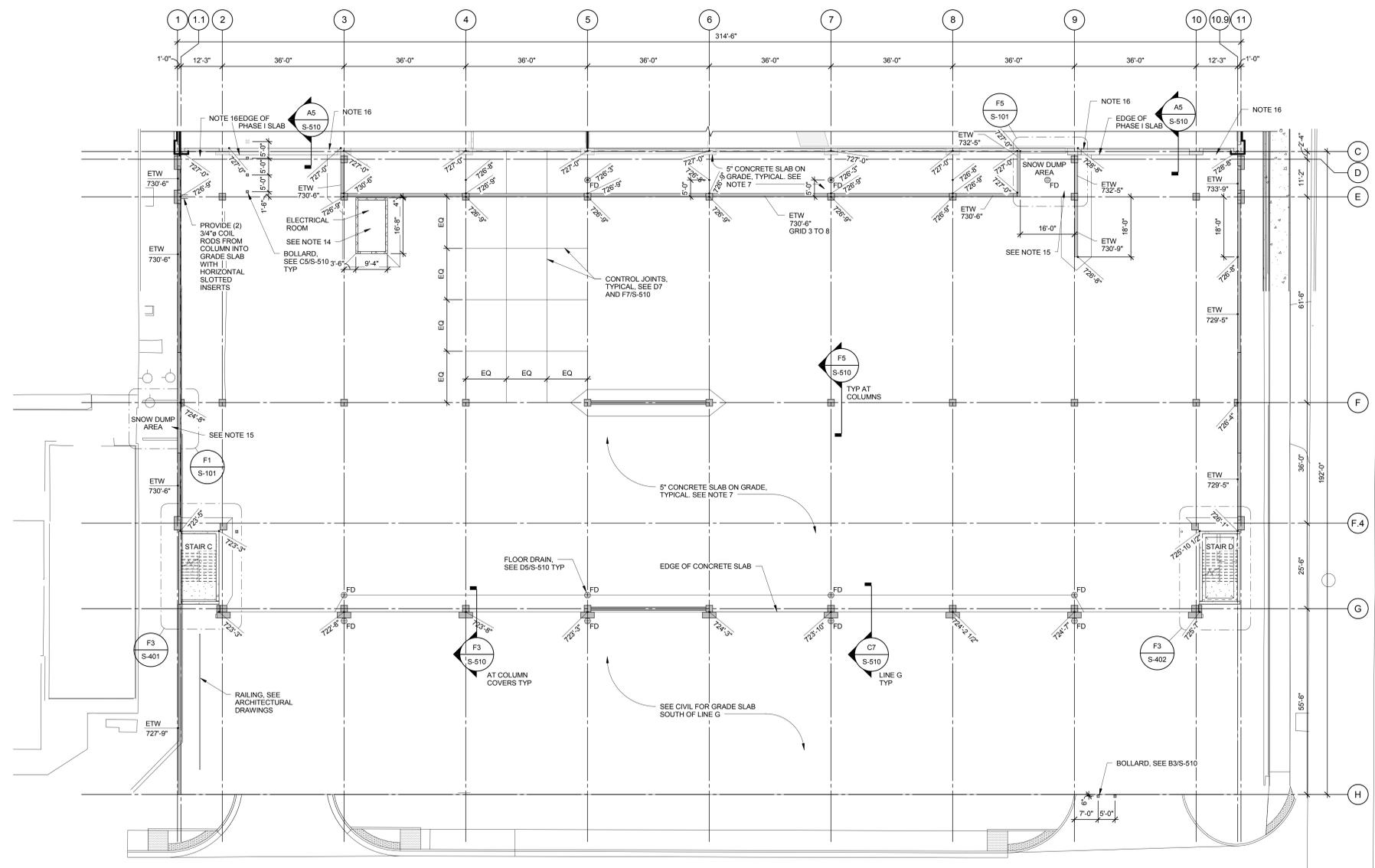
BID ITEM 4 (DEDUCT) ISOMETRIC



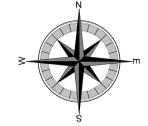
BID ITEM 5 (DEDUCT) ISOMETRIC



BID ITEM 6 (DEDUCT) ISOMETRIC

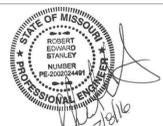


LEVEL P1 PLAN (BID ITEM 4, 5 AND 6)
 F3
 1/16" = 1'-0"



IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THERE IS A MINIMUM OF 8'-4" HEADROOM BETWEEN ALL DRIVING SURFACES AND OVERHEAD BEAMS PRIOR TO PLACING CONCRETE.

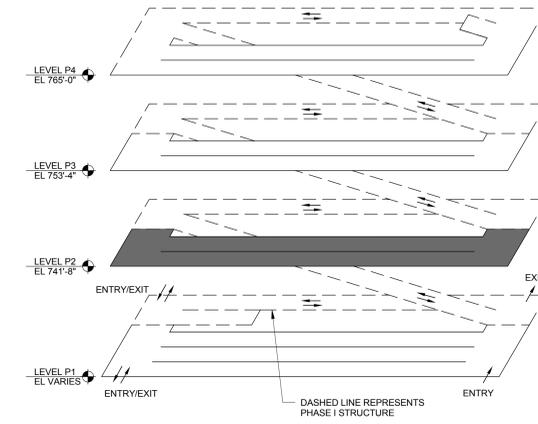
three inches = one foot
 one and one half inches = one foot
 one inch = one foot
 three quarters inch = one foot
 one half inch = one foot
 three eighths inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot

Revisions: _____ Date _____ Date	CONSULTANTS:	ARCHITECT/ENGINEERS:    	Drawing Title BID ITEM 4, 5 AND 6 (DEDUCT) LEVEL P1 PLAN	Project Title EXPAND PARKING GARAGE	Project Number 589-401
	Approved: Project Director	Location Columbia, Missouri	Date 07/08/16	Checked RES	Drawn MAP

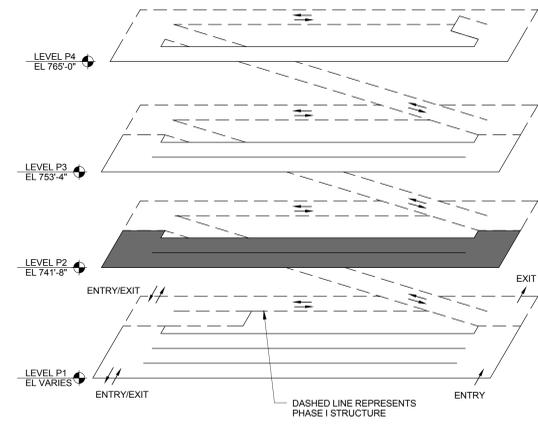
Office of Construction and Facilities Management
 Department of Veterans Affairs

GENERAL SHEET NOTES

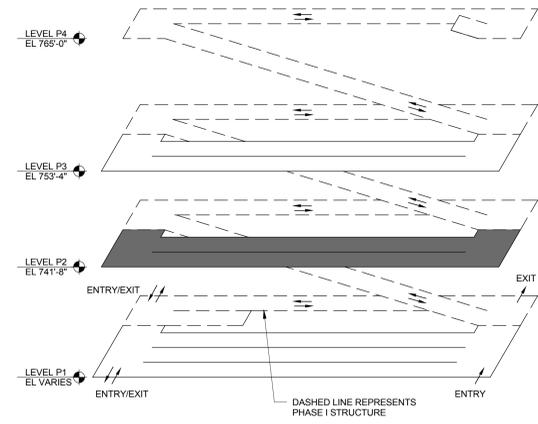
- SEE SHEET S-103 FOR TYPICAL SHEET NOTES AND LOCATIONS OF TYPICAL DETAIL REFERENCES (UNLESS NOTED).
- TRAFFIC TOPPING OVER ROOM. EXTEND 2'-0" PAST FACE OF WALLS BELOW. SEE DETAILS B1 AND B3-S-502 FOR TERMINATION DETAILS. CONCRETE FINISH AT TRAFFIC TOPPING AREAS SHALL BE AS REQUIRED BY TRAFFIC TOPPING INSTALLER.
- RECESSED BOXES ANTICIPATED IN PRECAST CONCRETE FOR EXTERIOR SCANCES ALONG LINE H. SEE ELECTRICAL DRAWINGS.



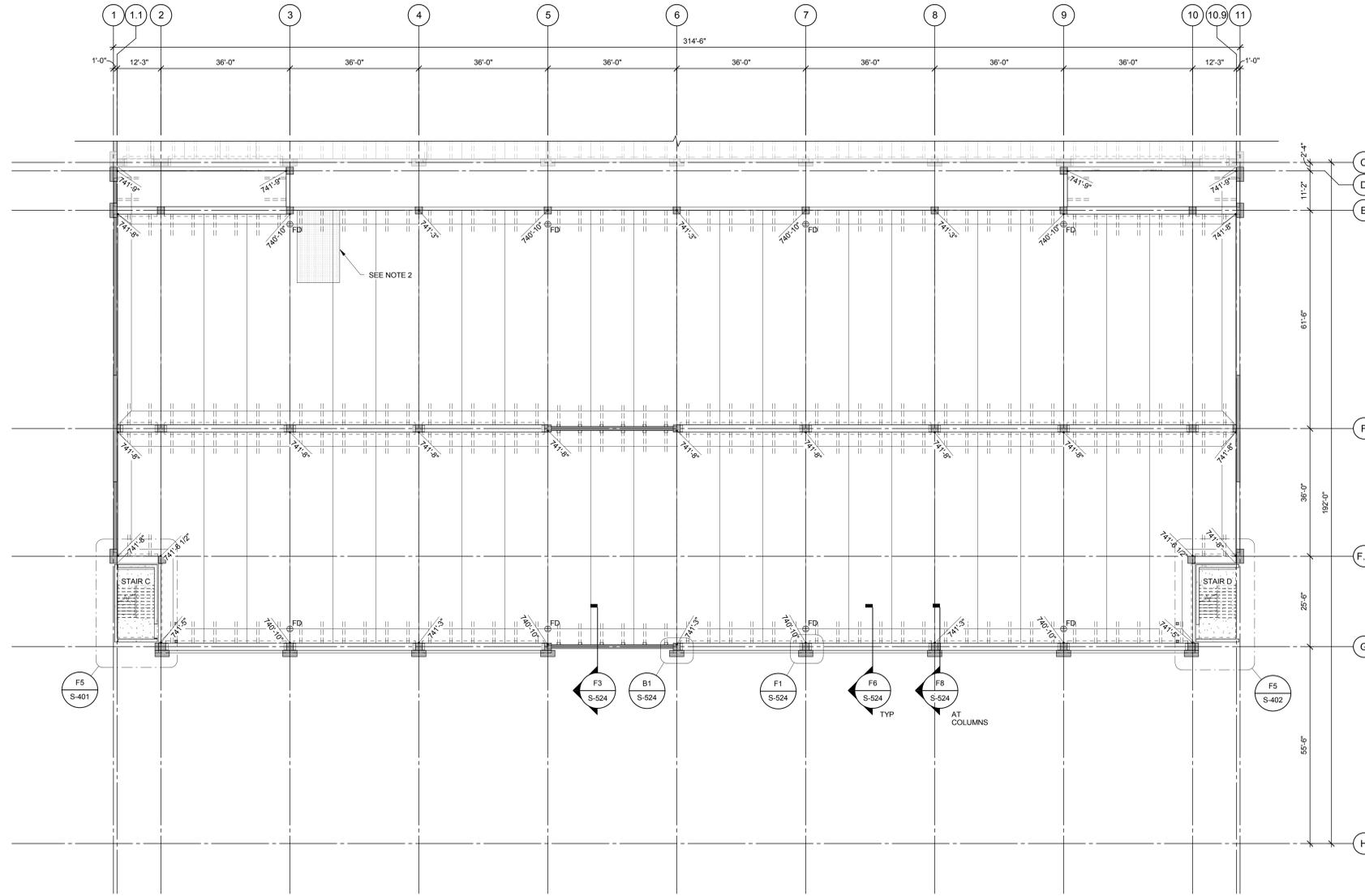
BID ITEM 4 (DEDUCT) ISOMETRIC



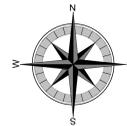
BID ITEM 5 (DEDUCT) ISOMETRIC



BID ITEM 6 (DEDUCT) ISOMETRIC



LEVEL P2 PLAN (BID ITEM 4, 5 AND 6)
 F3
 1/16" = 1'-0"



IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THERE IS A MINIMUM OF 8'-4" HEADROOM BETWEEN ALL DRIVING SURFACES AND OVERHEAD BEAMS PRIOR TO PLACING CONCRETE.

CONSULTANTS:

ARCHITECT/ENGINEERS:



Drawing Title	BID ITEM 4, 5 AND 6 (DEDUCT) LEVEL P2 PLAN	
Approved: Project Director		

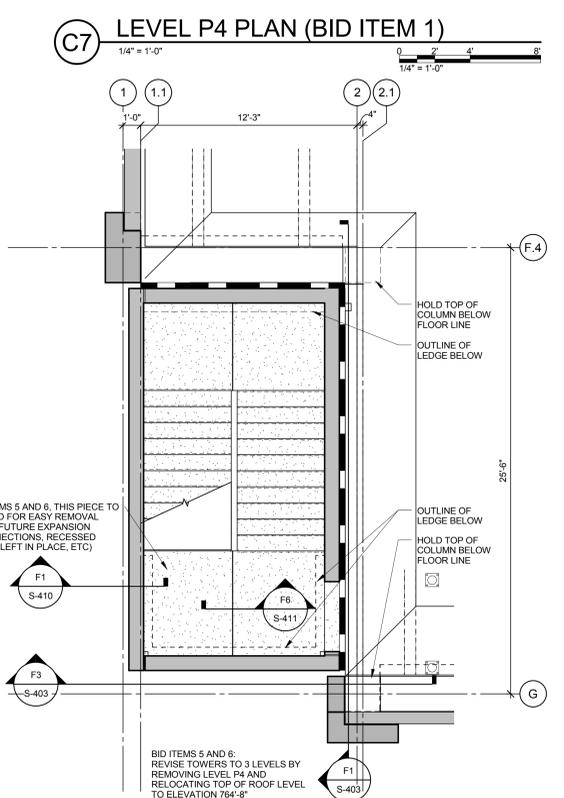
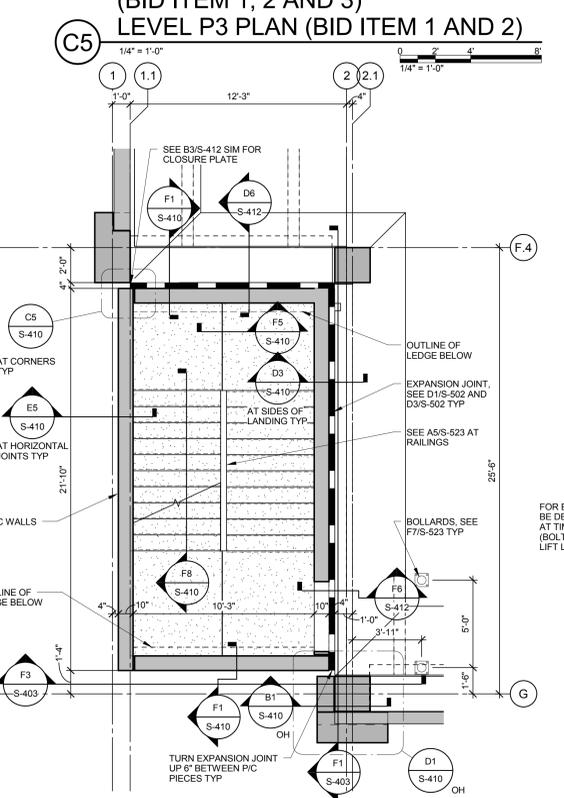
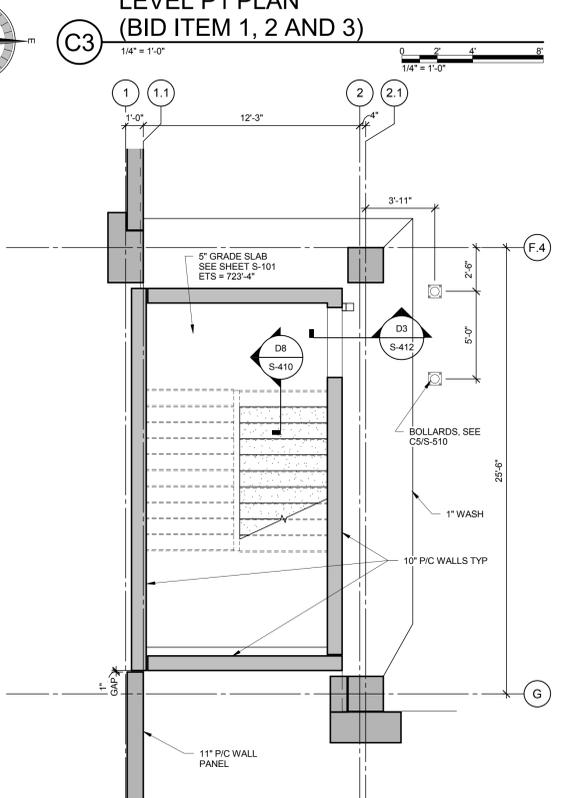
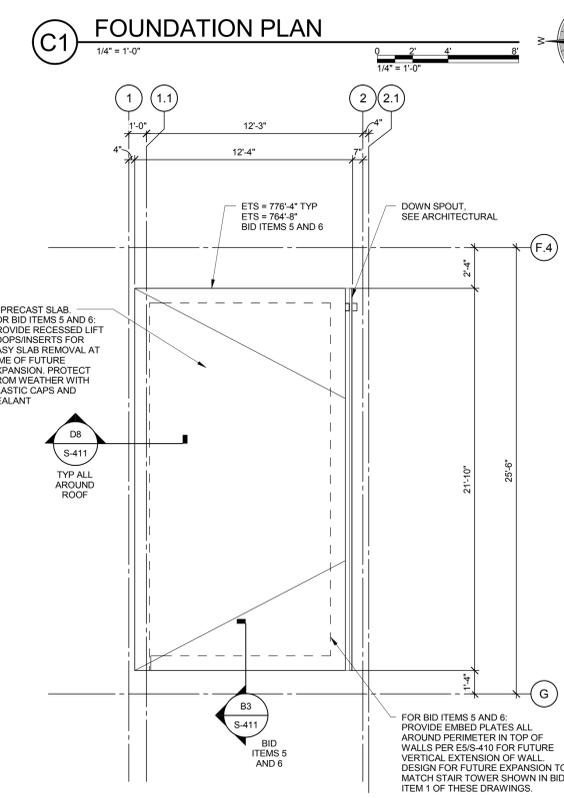
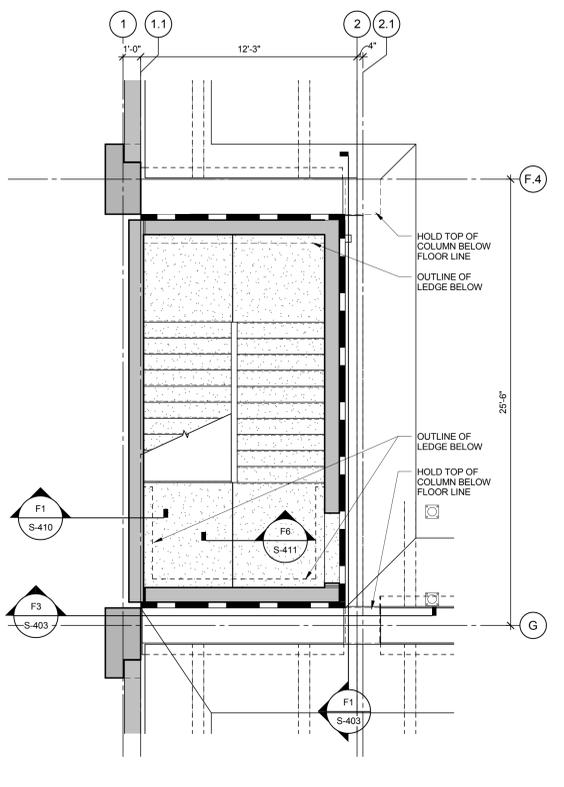
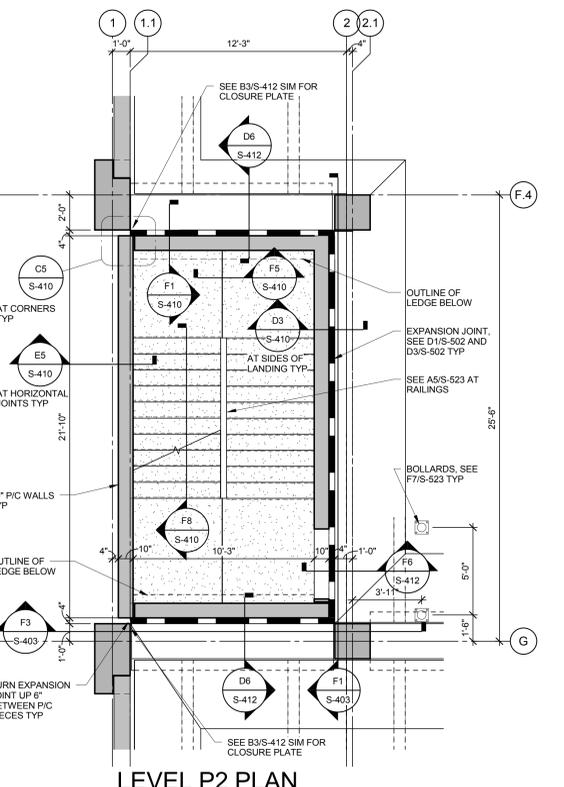
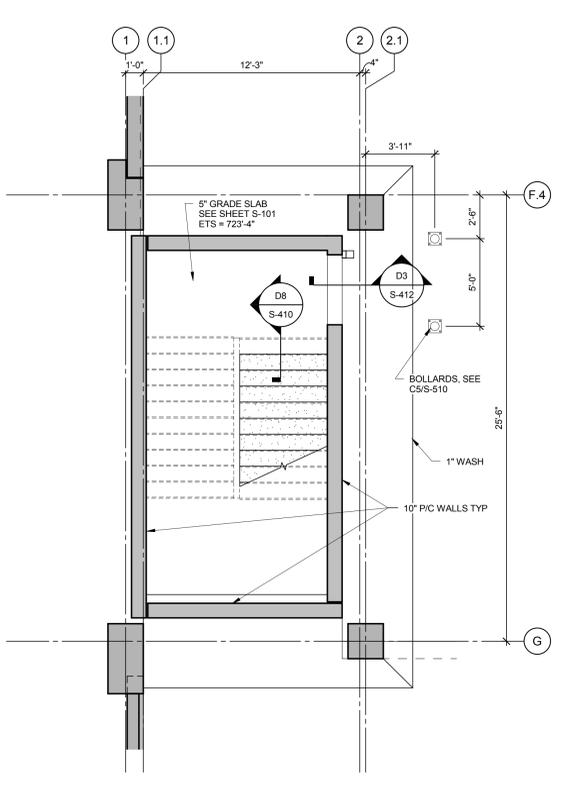
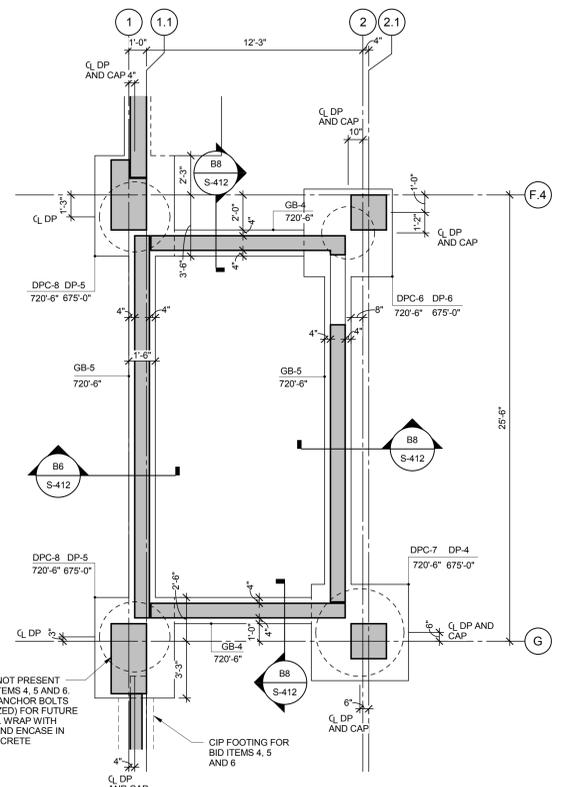
Project Title	EXPAND PARKING GARAGE	
Location	Columbia, Missouri	
Date	07/08/16	Checked: RES
		Drawn: MAP

Project Number	589-401
Building Number	
Drawing Number	S-112
Dwg.	



GENERAL SHEET NOTES

1. REFER TO SHEET S-001 FOR GENERAL NOTES.
2. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
3. PRECAST STAIR/ELEVATOR TOWER CONSTRUCTION: DESIGN IS PERFORMANCE DESIGN AND SHALL INCLUDE TYPE, NUMBER, AND LOCATION OF REINFORCING FOR ALL MEMBERS (WALLS, SLABS, ETC.). DESIGN SHALL ALSO INCLUDE ALL MEMBER TO MEMBER AND BASE CONNECTIONS. DESIGN SHALL ASSUME "BID ITEM 1" TOWER IS FINAL FUTURE CONDITION. THE STAIRS SHALL BE DESIGNED ACCORDING TO ALL THE REQUIREMENTS IN IBC 2012, INCLUDING SUPPORTING THEIR OWN WEIGHT PLUS A SUPERIMPOSED LIVE LOAD EQUAL TO 100 psf. SEE SPEC SECTION 034100 FOR PRECAST CONCRETE.
4. ALL REFERENCES, DETAILS, REINFORCING, MEMBER SIZES, CONNECTIONS, ETC. SHOWN ON C55-401 AND F55-401 APPLY TO ALL SUPPORTED LEVELS UNLESS NOTED OTHERWISE. SEE ARCHITECTURAL DRAWINGS FOR MATERIAL LEGEND.
5. FLOOR ELEVATION TOP OF CIP TYPING AT MAIN LANDING = 741'-6" AT LEVEL P2. ADD 11'-8" FOR EACH FLOOR ABOVE.



CONSULTANTS:

ARCHITECT/ENGINEERS:



Drawing Title	STAIR C - ENLARGED PLAN
Approved: Project Director	

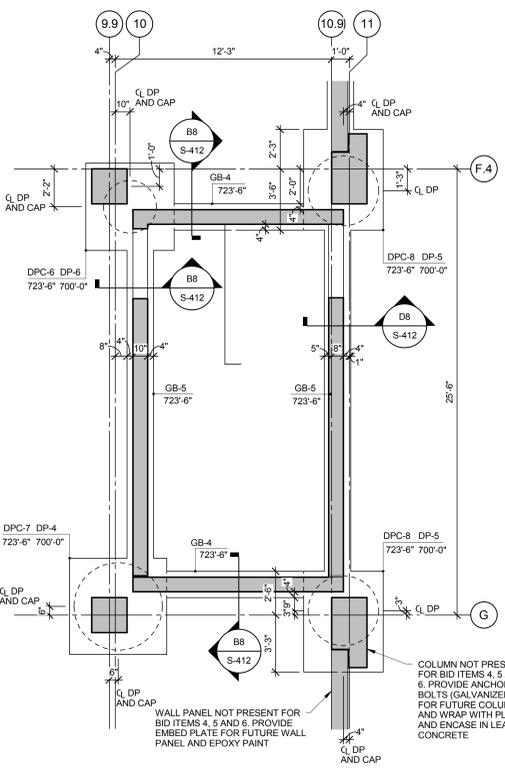
Project Title	EXPAND PARKING GARAGE
Location	Columbia, Missouri
Date	07/08/16
Checked	RES
Drawn	MAP

Project Number	589-401
Building Number	
Drawing Number	S-401
Dwg.	

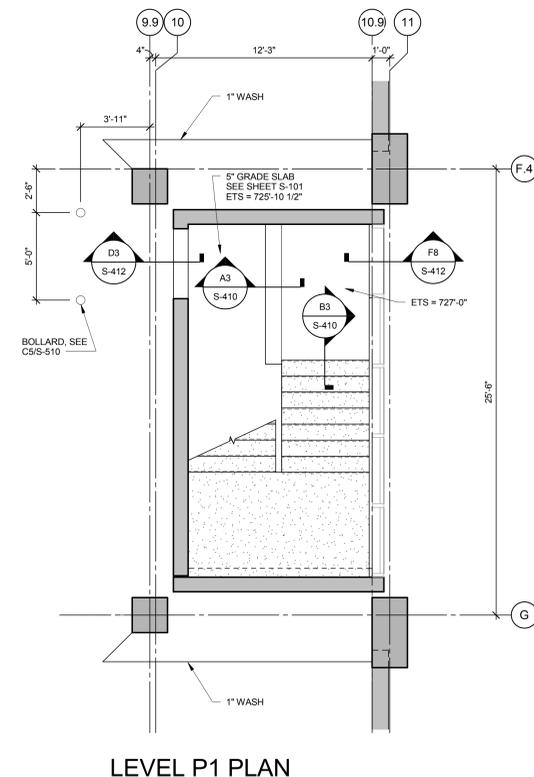


GENERAL SHEET NOTES

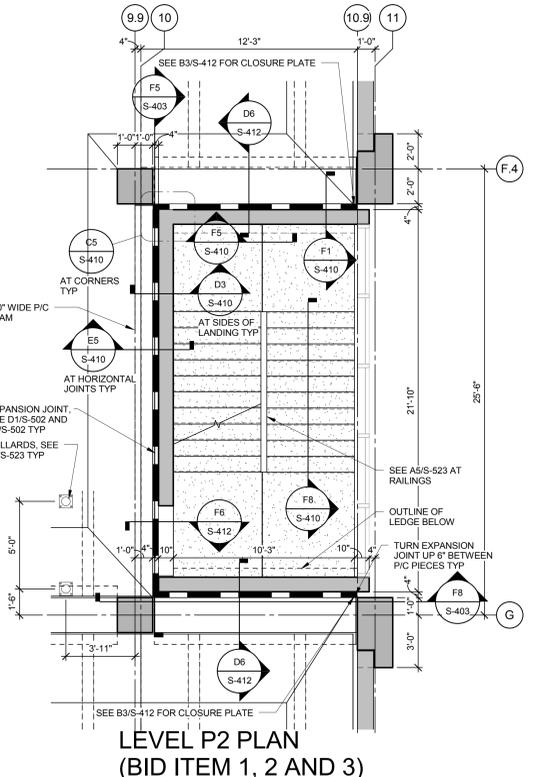
1. REFER TO SHEET S-001 FOR GENERAL NOTES.
2. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
3. PRECAST STAIR/ELEVATOR TOWER CONSTRUCTION: DESIGN IS PERFORMANCE DESIGN AND SHALL INCLUDE TYPE, NUMBER, AND LOCATION OF REINFORCING FOR ALL MEMBERS/WALLS, SLABS, ETC.). DESIGN SHALL ALSO INCLUDE ALL MEMBER TO MEMBER AND BASE CONNECTIONS. DESIGN SHALL ASSUME "BID ITEM 1" TOWER IS FINAL FUTURE CONDITION. THE STAIRS SHALL BE DESIGNED ACCORDING TO ALL THE REQUIREMENTS IN IBC 2012, INCLUDING SUPPORTING THEIR OWN WEIGHT PLUS A SUPERIMPOSED LIVE LOAD EQUAL TO 100 psf. SEE SPEC SECTION 03 41 00 FOR PRECAST CONCRETE.
4. ALL REFERENCES, DETAILS, REINFORCING, MEMBER SIZES, CONNECTIONS, ETC. SHOWN ON C/S-402 AND F/S-402 APPLY TO ALL SUPPORTED LEVELS UNLESS NOTED OTHERWISE.
5. SEE ARCHITECTURAL DRAWINGS FOR MATERIAL LEGEND.
6. FLOOR ELEVATION TOP OF GIR TOPPING AT MAIN LANDING = 741'-6" AT LEVEL P2. ADD 11'-8" FOR EACH FLOOR ABOVE.
7. PROVIDE HSS8x4x3/8 ABOVE TOP MOST LANDING FOR CURTAIN WALL SUPPORT. LINE UP WITH HORIZONTAL MULLION TO OBSCURE STEEL BEAM FROM EXTERIOR VIEW. SEE F/S-410 FOR CONNECTIONS AT ENDS.



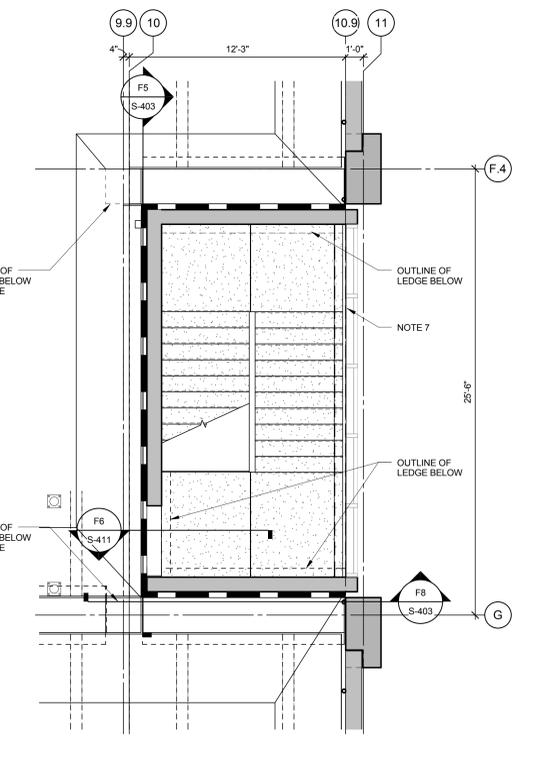
C1 FOUNDATION PLAN
1/4" = 1'-0"



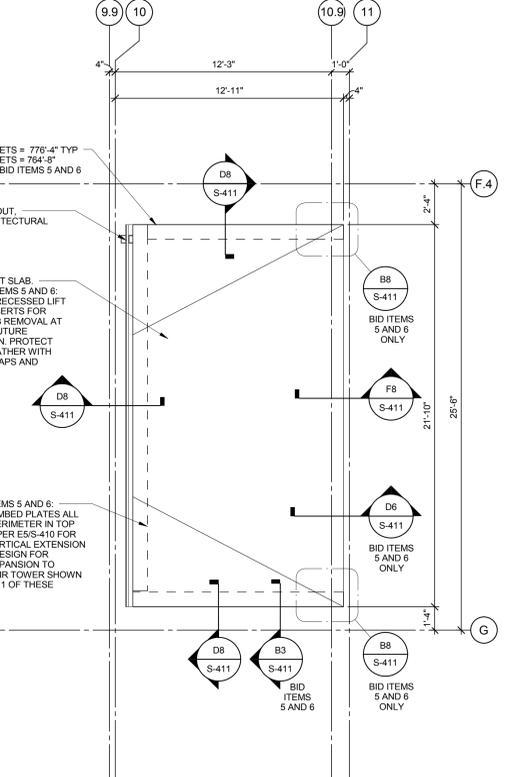
C3 LEVEL P1 PLAN (BID ITEM 1, 2 AND 3)
1/4" = 1'-0"



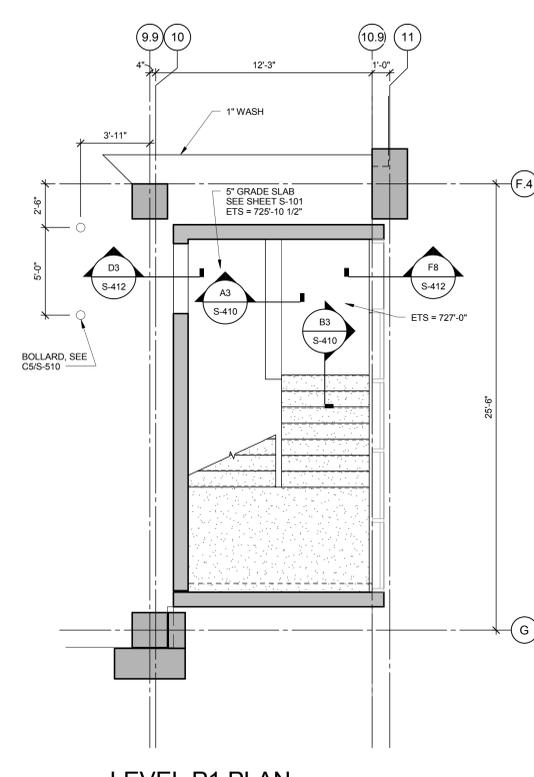
C5 LEVEL P2 PLAN (BID ITEM 1, 2 AND 3) LEVEL P3 PLAN (BID ITEM 1 AND 2)
1/4" = 1'-0"



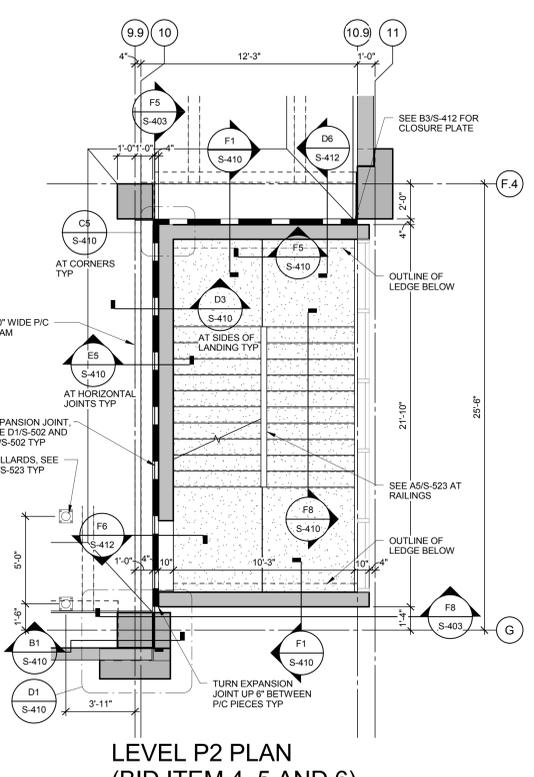
C7 LEVEL P4 PLAN (BID ITEM 1)
1/4" = 1'-0"



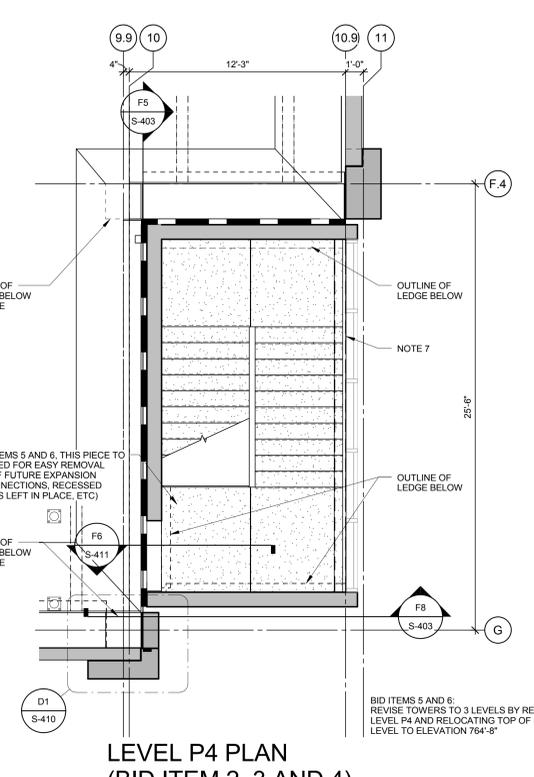
F1 ROOF LEVEL PLAN
1/4" = 1'-0"



F3 LEVEL P1 PLAN (BID ITEM 4, 5 AND 6)
1/4" = 1'-0"



F5 LEVEL P2 PLAN (BID ITEM 4, 5 AND 6) LEVEL P3 PLAN (BID ITEM 3 AND 4)
1/4" = 1'-0"



F7 LEVEL P4 PLAN (BID ITEM 2, 3 AND 4) LEVEL P3 PLAN (BID ITEM 5 AND 6)
1/4" = 1'-0"

C7 LEVEL P4 PLAN (BID ITEM 1)
1/4" = 1'-0"

F7 LEVEL P4 PLAN (BID ITEM 2, 3 AND 4) LEVEL P3 PLAN (BID ITEM 5 AND 6)
1/4" = 1'-0"

F5 LEVEL P2 PLAN (BID ITEM 4, 5 AND 6) LEVEL P3 PLAN (BID ITEM 3 AND 4)
1/4" = 1'-0"

F3 LEVEL P1 PLAN (BID ITEM 4, 5 AND 6)
1/4" = 1'-0"

C7 LEVEL P4 PLAN (BID ITEM 1)
1/4" = 1'-0"

C5 LEVEL P2 PLAN (BID ITEM 1, 2 AND 3) LEVEL P3 PLAN (BID ITEM 1 AND 2)
1/4" = 1'-0"

C3 LEVEL P1 PLAN (BID ITEM 1, 2 AND 3)
1/4" = 1'-0"

C1 FOUNDATION PLAN
1/4" = 1'-0"

F7 LEVEL P4 PLAN (BID ITEM 2, 3 AND 4) LEVEL P3 PLAN (BID ITEM 5 AND 6)
1/4" = 1'-0"

F5 LEVEL P2 PLAN (BID ITEM 4, 5 AND 6) LEVEL P3 PLAN (BID ITEM 3 AND 4)
1/4" = 1'-0"

F3 LEVEL P1 PLAN (BID ITEM 4, 5 AND 6)
1/4" = 1'-0"

C7 LEVEL P4 PLAN (BID ITEM 1)
1/4" = 1'-0"

C5 LEVEL P2 PLAN (BID ITEM 1, 2 AND 3) LEVEL P3 PLAN (BID ITEM 1 AND 2)
1/4" = 1'-0"

C3 LEVEL P1 PLAN (BID ITEM 1, 2 AND 3)
1/4" = 1'-0"

C1 FOUNDATION PLAN
1/4" = 1'-0"

CONSULTANTS:

ARCHITECT/ENGINEERS:



Drawing Title
STAIR D - ENLARGED PLAN

Approved: Project Director

Project Title
EXPAND PARKING GARAGE

Location
Columbia, Missouri

Date
07/08/16

Checked
RES

Drawn
MAP

Project Number
589-401

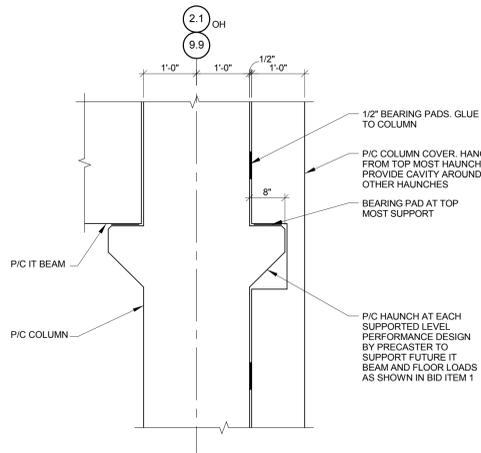
Building Number

Drawing Number
S-402

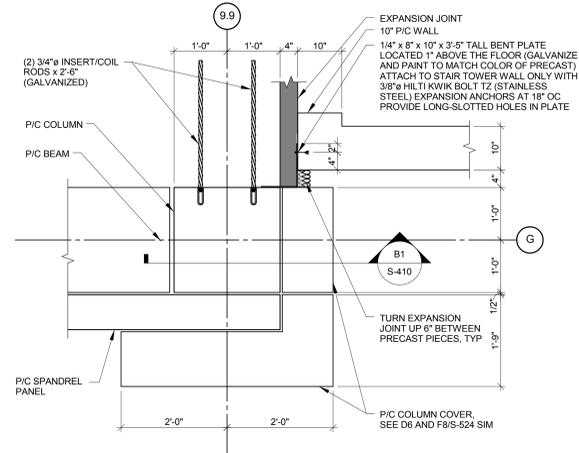
Dwg.

Office of Construction and Facilities Management

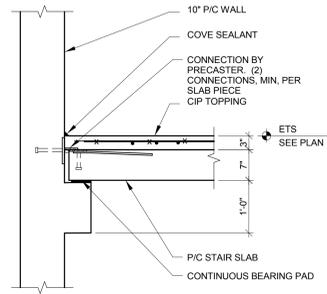
Department of Veterans Affairs



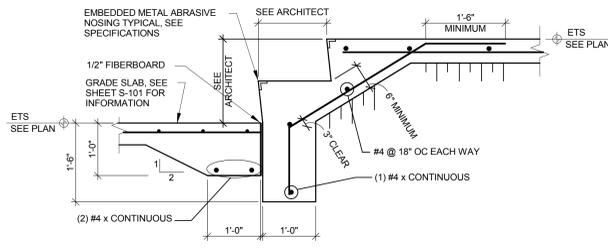
B1 COLUMN DETAIL



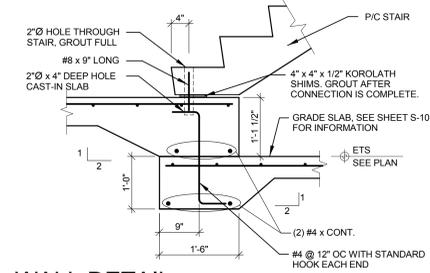
D1 WALL/COLUMN DETAIL



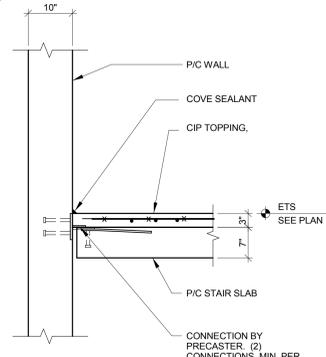
F1 BEAM/SLAB DETAIL



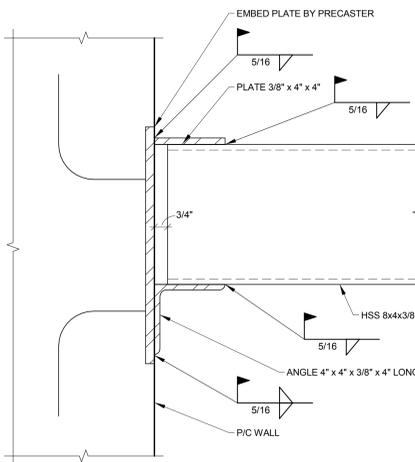
A3 STAIR ON GRADE DETAIL



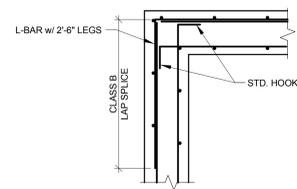
B3 WALL DETAIL



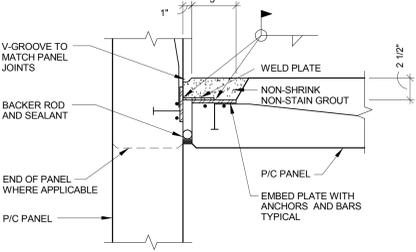
D3 WALL/SLAB DETAIL



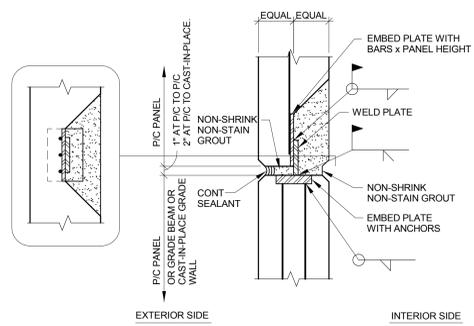
F3 STAIR DETAIL



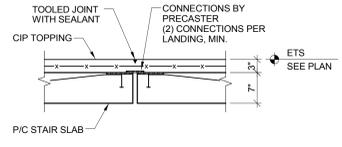
A5 CORNER REINFORCEMENT DETAIL



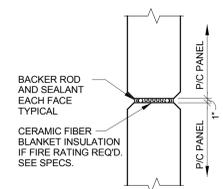
C5 VERTICAL PANEL/PANEL CONNECTION



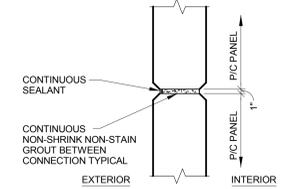
E5 CONNECTION DETAIL



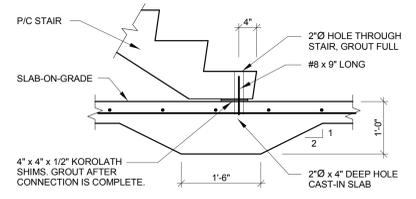
F5 STAIR SLAB DETAIL



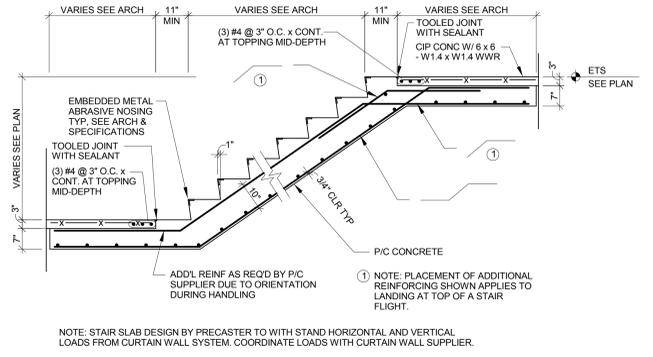
A8 VERTICAL PANEL/PANEL DETAIL JOINT



C8 HORIZONTAL PANEL/PANEL DETAIL



D8 P/C STAIR/SLAB DETAIL



F8 TYPICAL STAIR SECTION

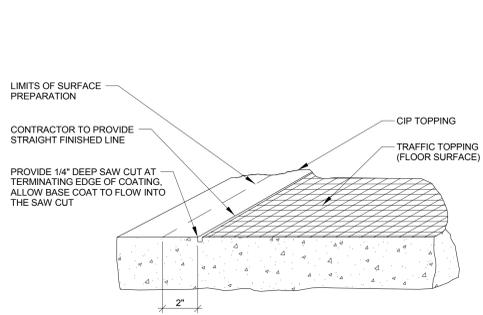
CONSULTANTS:

ARCHITECT/ENGINEERS:

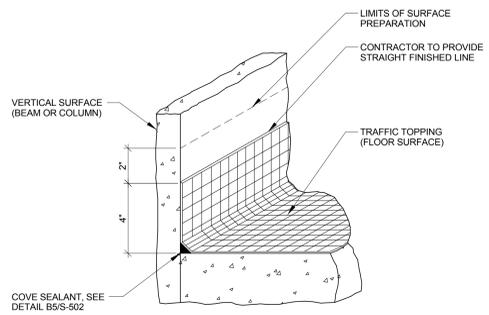


Drawing Title STAIR DETAILS		Project Title EXPAND PARKING GARAGE		Project Number 589-401	
Approved: Project Director		Location Columbia, Missouri		Building Number	
Date 07/08/16	Checked RES	Drawn MAP	Drawing Number S-410		
			Dwg.		

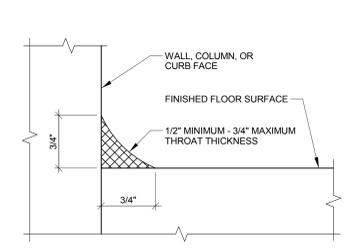




B1 TRAFFIC TOPPING DETAIL (HORIZONTAL TERMINATION)

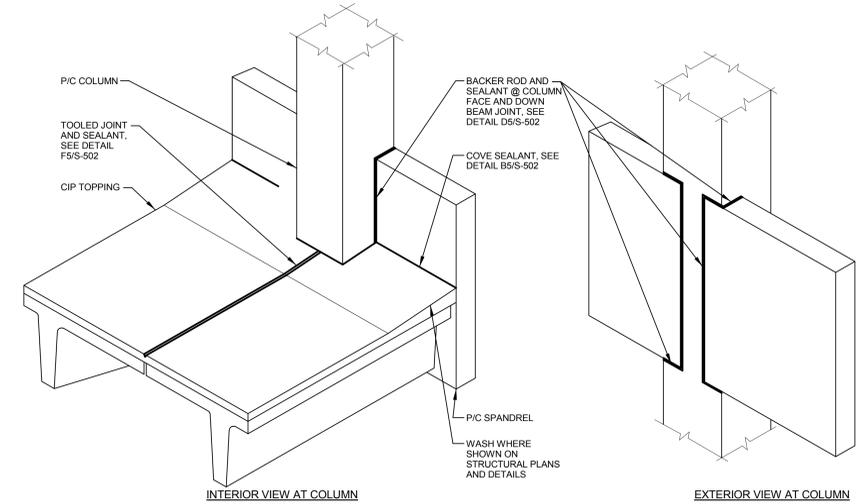


B3 TRAFFIC TOPPING DETAIL (VERTICAL TERMINATION)

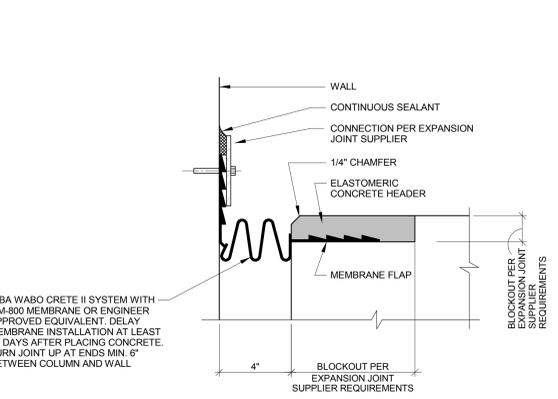


NOTES:
1. PREPARE SURFACE FOR PRIMER APPLICATION AND ALLOW FOR PRIMER TO CURE PROPERLY PRIOR TO INSTALLING SEALANT.
2. SEE SPECIFICATIONS FOR APPROVED MATERIALS.

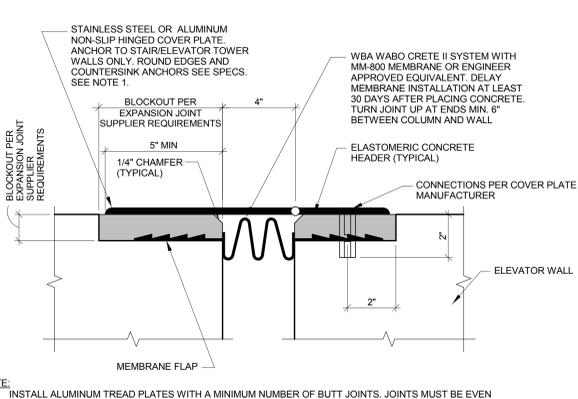
B5 COVE SEALANT DETAIL



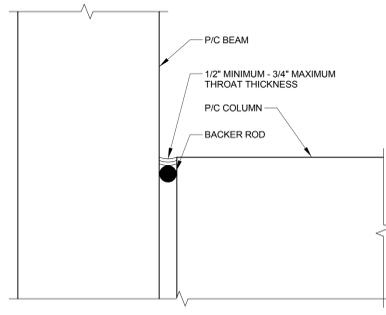
B7 SPANDREL/COLUMN SEALANT



D1 EXPANSION JOINT DETAIL (STAIR)

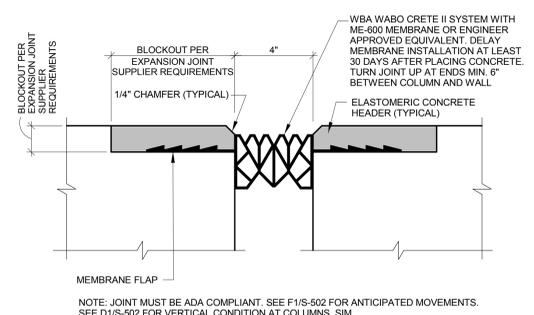


D3 EXPANSION JOINT DETAIL (STAIR)



NOTES:
1. PREPARE SURFACE FOR PRIMER APPLICATION AND ALLOW FOR PRIMER TO CURE PROPERLY PRIOR TO INSTALLING SEALANT.
2. SEE SPECIFICATIONS FOR APPROVED MATERIALS.

D5 BACKER ROD AND SEALANT DETAIL

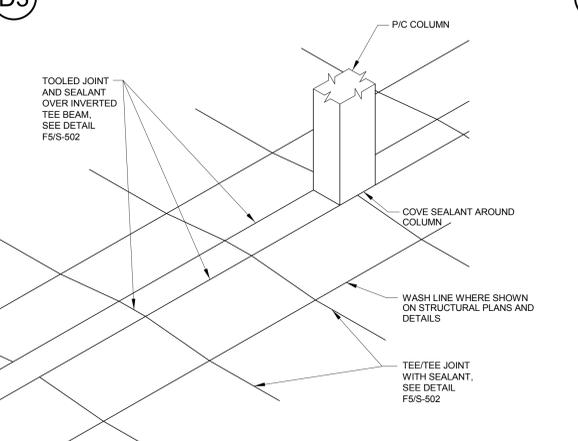


D7 EXPANSION JOINT (BRIDGE)

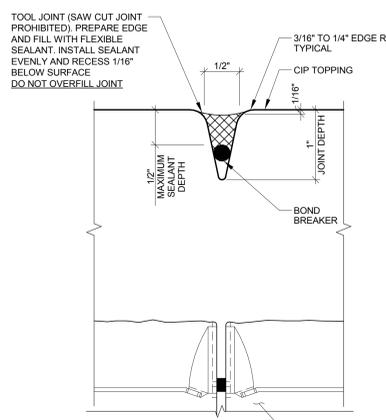
EXPANSION JOINT MOVEMENT TABLE	STAIR OPENING		BRIDGE OPENING	
	MAX	MIN	MAX	MIN
TEMPERATURE MOVEMENTS	1.11"	-0.65"	1.00"	-0.80"
CREEP AND SHRINKAGE	0.61"	0.29"	0.63"	0.32"
INITIAL OPENING WIDTH	4"	4"	4"	4"
TOTAL OPENING WIDTH	5.72"	3.64"	5.58"	3.72"

NOTE: ANTICIPATED SHEAR MOVEMENT DUE TO CREEP AND SHRINKAGE AND TEMPERATURE = 1.72" AT STAIR TOWER 0.5" AT BRIDGE

F1 EXPANSION JOINT MOVEMENTS

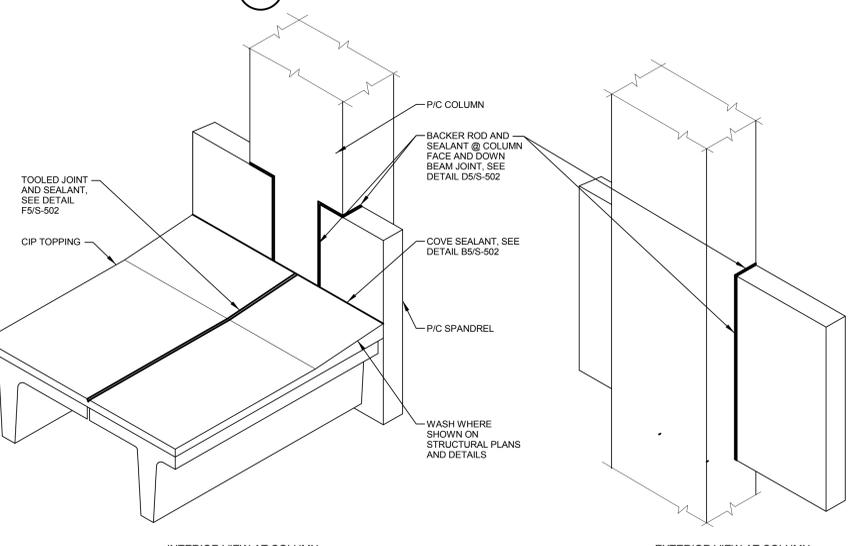


F3 SEALANT ISOMETRIC AT DRIVE-THRU



NOTES:
1. CONTROL JOINT MUST BE TOOLED IN PLASTIC CONCRETE AND DIMENSIONS AS DETAILED WILL BE MAINTAINED IN SET CONCRETE. SAW CUTTING OF CONTROL JOINT IN HARDENED CONCRETE WILL NOT BE PERMITTED.

F5 TOOLED JOINT AND SEALANT DETAIL



F7 SPANDREL/COLUMN SEALANT

CONSULTANTS: 		ARCHITECT/ENGINEERS: 		Drawing Title WATERPROOFING DETAILS		Project Title EXPAND PARKING GARAGE		Project Number 589-401		Office of Construction and Facilities Management 	
Revisions: 				Approved: Project Director		Location Columbia, Missouri		Building Number 			
Date 		 		Date 07/08/16		Checked RES		Drawing Number S-502		Dwg.	