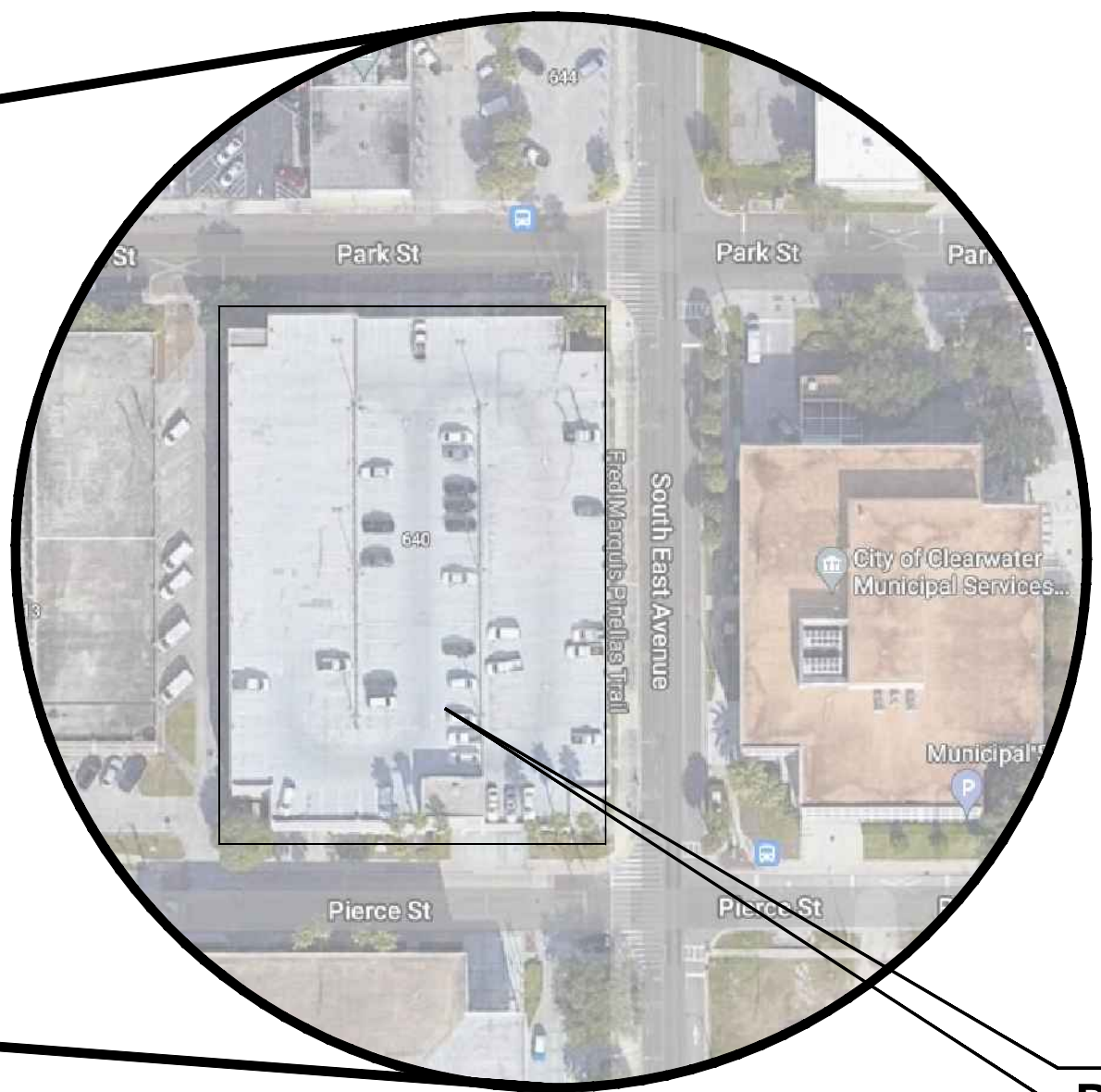
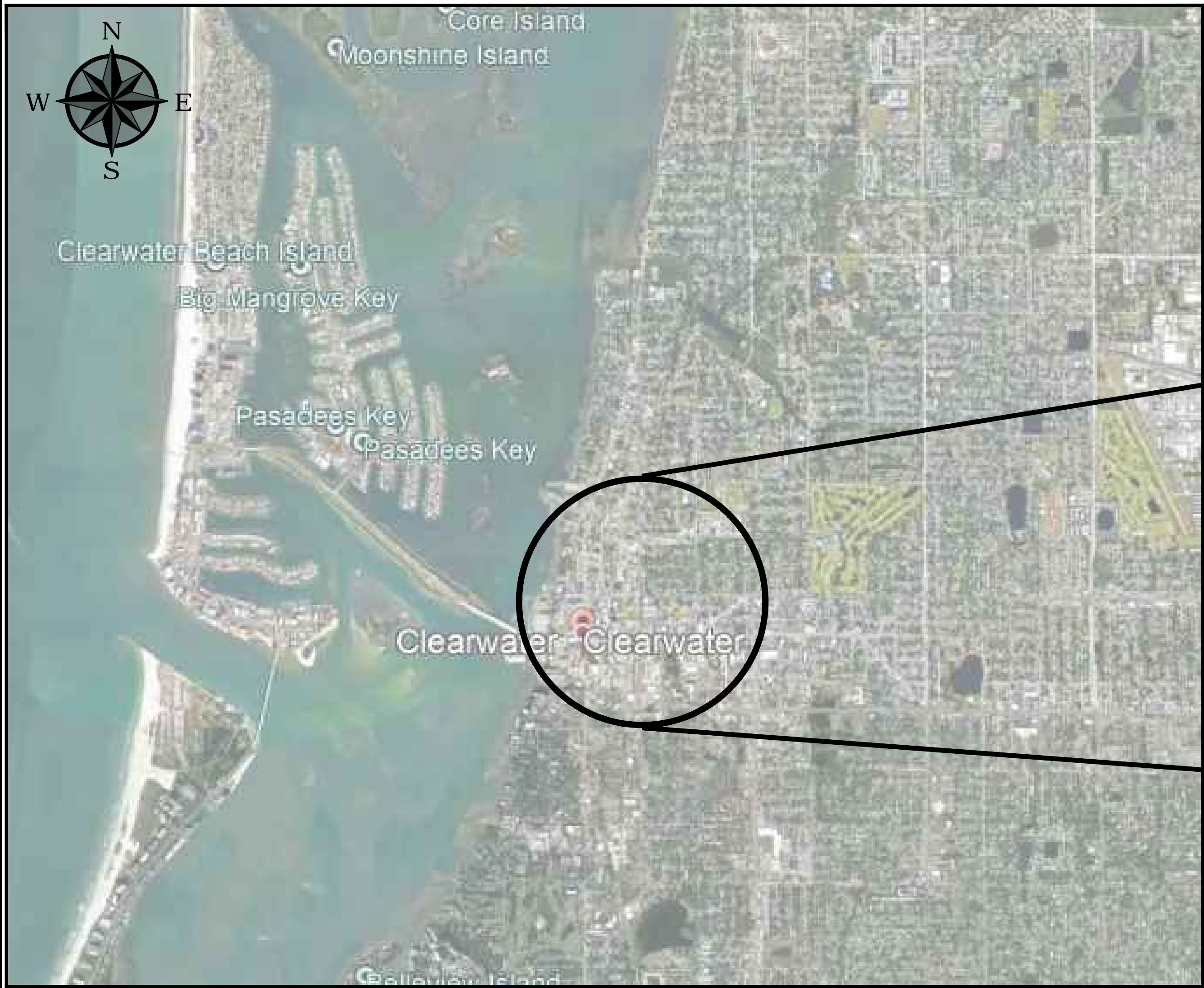


SHEET INDEX

SHEET #	SHEET DESCRIPTION
R001	COVER SHEET
R101	GENERAL NOTES , WORK ITEM SCHEDULE
R102	GROUND LEVEL PLAN
R103	LEVEL 2 PLAN
R104	LEVEL 3 PLAN
R104	LEVEL 4 PLAN
R113	LEVEL 3 & 4 RESTRIPIING PLAN
R501	REPAIR DETAILS
R502	REPAIR DETAILS
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R504	REPAIR DETAILS
R601	SIGNAGE DETAILS
E001	LIGHT FIXTURE SCHEDULE, ABBREVIATIONS, SYMBOLS, GENERAL NOTES
E101	GROUND LEVEL LIGHTING PLAN
E102	LEVEL TWO LIGHTING PLAN
E103	LEVEL THREE LIGHTING PLAN
E104	LEVEL FOUR LIGHTING PLAN
E501	DETAILS ONE-LINE DIAGRAM
E601	PANEL SCHEDULES



MUNICIPAL PARKING GARAGE
REHABILITATION
640 PIERCE STREET



CITY OFFICIALS

Frank Hibbard	Mayor
Mark Bunker	Councilmember
Kathleen Beckman	Councilmember
David Allbritton	Councilmember
Hoyt Hamilton	Councilmember
Jon Jennings	City Manager

Tara L. Kivett, P.E.
City Engineer

Approved For
Construction

CITY ENGINEER Tara L. Kivett, P.E. #86611

Date Approved

12/7/2021

ISSUED FOR BID

City Project No. #18-0032-EN
City Plan Set No. #2021013

GENERAL NOTES

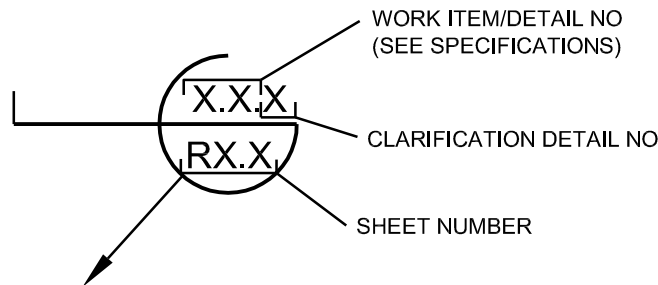
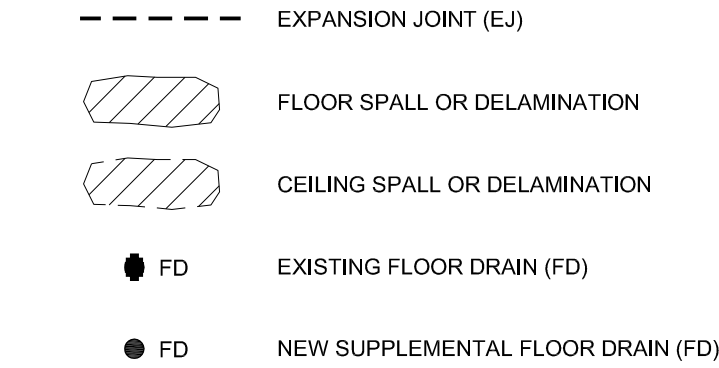
- A. CONSTRUCTION
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE OF xxx AND CITY OF xxx CODES AND ORDINANCES, INCLUDING FIRE CODES.
 - ALL MATERIAL PROPERTIES SHALL BE AS NOTED IN SPECIFICATIONS.
 - PRIOR TO FABRICATION OF ANY MATERIAL OR PLACEMENT OF CONCRETE, FIELD VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS SHOWN ON DRAWINGS. REPORT ALL DISCREPANCIES TO THE ENGINEER IMMEDIATELY. DO NOT SCALE DRAWINGS.
- B. CONSTRUCTION DOCUMENTS
- CONSTRUCTION DOCUMENTS ENTITLED "XXXXXXXXXXXXX" INCLUDES THESE DRAWINGS AND SEPARATELY BOUND SPECIFICATIONS. FOR PURPOSES OF PERFORMING THE WORK, DRAWINGS AND SPECIFICATIONS SHALL BE A SINGLE UNIT. DIMENSIONS SHOWN ON PLANS ARE BASED ON ORIGINAL CONSTRUCTION DOCUMENTS. THE CONTRACTOR IS REQUIRED TO FIELD VERIFY ALL CONDITIONS FOR THE PURPOSE OF PREPARING THE BID AND PERFORMING THE WORK.
 - REFER TO SPECIFICATION SECTION 02000 FOR SCOPE, DESCRIPTION AND REQUIREMENTS OF WORK.
- C. DETAILS AND SYMBOLS
- ALL CAST-IN-PLACE REPAIR DETAILS ARE SHOWN ON DRAWINGS SERIES RX.X THRU RX.X.
 - DETAILS WITH A LAST DIGIT OTHER THAN 0 OR 0A AND LABELED (FOR CLARIFICATION ONLY) DO NOT REPRESENT A SEPARATE PRICE ITEM. THESE DETAILS SUPPLEMENT THE BASIC DETAIL TO PROVIDE ADDITIONAL INFORMATION. IN SOME CASES THESE DETAILS SHOW VARIATION OF THE TYPICAL CONDITION.
 - WHERE THE WORK ITEM BUBBLE IS NOTED "TYP" IT MEANS THE WORK ITEM OCCURS AT ALL LOCATIONS WHERE THE APPLICABLE DETERIORATION OR DESIGNATION SYMBOL OCCURS ON THAT PLAN.
 - WHERE "TAR" IS NOTED, IT MEANS THERE MAY BE AREAS OF THIS WORK IN ADDITION TO THE PARTICULAR DESIGNATED AREAS.
 - WHERE TWO OR MORE WORK ITEM BUBBLES ARE GROUPED TOGETHER, IT MEANS ANY OR ALL OF THE DESIGNATED WORK ITEMS MAY BE APPLICABLE. COORDINATION OF WORK ITEMS IS CONTRACTOR'S RESPONSIBILITY.
 - WHEN A WORK ITEM OR DETAIL IS LISTED AS INCIDENTAL, THAT WORK IS INCLUDED IN THE PAY UNIT OF OTHER WORK ITEMS AND DOES NOT HAVE A SEPARATE PRICE.
 - WHEN A DETAIL IS LABELED (FOR REFERENCE ONLY) IT PROVIDES INFORMATION ONLY ABOUT INCIDENTAL WORK AND DOES NOT HAVE A PAY UNIT.
 - CONTRACTOR IS RESPONSIBLE FOR DETERMINING ACTUAL EXTENT AND LOCATIONS OF REPAIR AREAS IN ACCORDANCE WITH THE SPECIFICATIONS. WORK ITEM IS SHOWN ONLY TO REPRESENT THE TYPES OF DETERIORATION.
 - SEE WORK ITEM SPECIFICATION FOR SPECIFIC INFORMATION REGARDING DETAILS.
- D. CONCRETE PROTECTION FOR REINFORCEMENT:
- THE FOLLOWING APPLIES FOR FULL SECTION REPLACEMENT WHERE SHOWN ON DRAWINGS.
 - THE MINIMUM CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE PER ACI 318-95, SECTION 7.7.
 - FOR PRESTRESSED AND NON-PRESTRESSED REINFORCEMENT IN PRESTRESSED/PRECAST CONCRETE MEMBERS, THE MINIMUM CONCRETE PROTECTION AT TOP OF MEMBERS SHALL BE 1-1/2".
 - MINIMUM COVER FOR REINFORCING IN NON- PRESTRESSED CONCRETE AND NON-POST - TENSIONED MEMBERS.
- | | CONCRETE COVER (INCHES) |
|--|-------------------------|
| a. SLAB TOP REINFORCEMENT | 1-1/2 |
| b. SLAB BOTTOM REINFORCEMENT | 3/4 |
| c. BEAM TOP REINFORCEMENT, UN | 3" |
| d. BEAM STIRRUPS AT SIDES AND BOTTOM OF BEAM | 1-1/2 |
| e. BEAM STIRRUPS AT TOP OF BEAM | 2-1/2 |
| f. COLUMN TIES | 1-1/2 |
- * OR 3X BAR DIAMETER, WHICHEVER IS GREATER.
- E. EPOXY COATING FOR REINFORCEMENT AND ANCHORS.
- EPOXY COAT ALL REINFORCEMENT, EXCEPT WELDED WIRE FABRIC IN CAST IN PLACE CONCRETE.
- F. SHORING AND BRACING
- CONTRACTOR SHALL PROVIDE ALL SHORING, BRACING, SHEETING, ETC REQUIRED FOR SAFETY AND PROPER EXECUTION OF THE WORK.
 - CONTRACTOR IS SOLEY RESPONSIBLE TO PREPARE SHOP DRAWINGS FOR BRACING AND SHORING MEMBERS DESIGNED AND STAMPED/SEALED BY A PROFESSIONAL ENGINEER (REGISTERED IN STATE OF MISSOURI) AND SUBMIT THEM TO THE ENGINEER FOR RECORD.
- G. EXISTING SERVICES AND UTILITIES
- CONTRACTOR SHALL REVIEW ALL EXISTING CONDITIONS TO DETERMINE ALL ELECTRICAL AND MECHANICAL SERVICES AND UTILITIES AFFECTED BY THE REPAIR WORK. MAKE NECESSARY TEMPOARY CONNECTIONS TO MAINTAIN EXISTING SERVICES TO ALL AREAS OF THE PARKING GARAGE OR OTHER AREAS (NOT IN CONTRACT) AFFECTED BY THE WORK. THE CONTRACTOR SHALL SUBMIT THE METHODS AND SCHEDULE OF CONNECTIONS FOR THE OWNER'S APPROVAL PRIOR TO COMMENCEMENT.
- H. CONSTRUCTION PHASING, SEQUENCING AND TRAFFIC MAINTENANCE
- WORK SEQUENCE SHALL BE COORDINATED WITH THE OWNERS REPRESENTATIVE AND GARAGE OPERATOR.
 - OWNER WILL CONTINUE TO USE GARAGE DURING REHABILITATION. CONTRACTOR MUST PHASE AND ARRANGE WORK SO AS TO MAINTAIN ACCESS AT ALL TIMES TO ALL PARKING AREAS THAT ARE NOT UNDER CONSTRUCTION FOR BOTH VEHICLES AND PEDESTRIANS.
- I. GENERAL CONCRETE REQUIREMENTS
- REFER TO SECTION 02000 FOR SPECIFIC USES.
- "THESE ARE EXAMPLES ONLY"
- LATEX MODIFIED CONCRETE (03700)

COMPRESSIVE STRENGTH	4500 PSI @ 28 DAYS (2500 @ 3 DAYS)
WATER-CEMENT RATIO	0.25 TO 0.40
LATEX CONTENT PER SACK OF CEMENT	3-1/2 GAL
SLUMP	4"± 2"
CEMENT CONTENT	658-800 LB/CY MIN
AIR CONTENT	4%-8%
 - CAST-IN-PLACE CONVENTIONAL CONCRETE (03300)

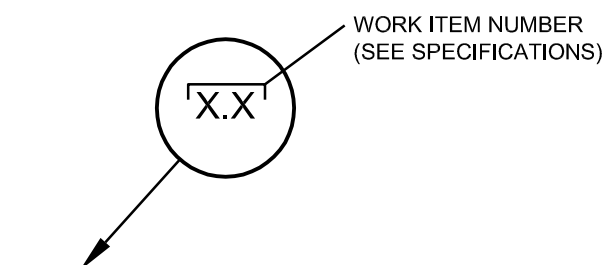
COMPRESSIVE STRENGTH	5000 PSI @ 28 DAYS
WATER-CEMENT RATIO	0.40 MAX
MAX SLUMP	6" W/ SUPERPLASTICIZER
AIR CONTENT	7% ± 1 1/2%
CEMENT CONTENT	658 LB/CY MIN
 - MICROSILICA CONCRETE (03...)

COMPRESSIVE STRENGTH	6000 PSI
WATER-CEMENT RATIO	0.35 TO 0.40
MICROSILICA CONTENT	7.5 % BY WT OF CEMENT
SLUMP (MAXIMUM)	6"
* CEMENTITIOUS CONTENT	610 LB/CY MIN
MAX SIZE OF AGGREGATE	3/4"
AIR CONTENT	7 1/2% +/- 2%
DCI	1 GAL /CY
FIBERS	1.5LB/CY
- * NOTE: CEMENTITIOUS MATERIAL INCLUDES CEMENT, SILICA FUME, AND FLY ASH (IF PERMITTED).

GENERAL LEGEND



WORK ITEM / DETAIL IDENTIFICATION
(FOR WORK ITEMS WITH DETAILS)



WORK ITEM IDENTIFICATION
(FOR WORK ITEMS WITHOUT DETAILS)

SPECIAL INSPECTION REQUIREMENTS (LOCAL REQUIREMENT)

BOCA 1996 SECTION	TITLE	RESPONSIBILITY	REMARKS
1705.2	FABRICATORS	N/A	SEE SECTION 1705.4.6, GARAGE STRUCTURE IS CAST-IN-PLACE CONCRETE
1705.3	STEEL CONSTRUCTION	N/A	STRUCTURES ARE CAST-IN-PLACE CONCRETE
1705.4	CONCRETE CONSTRUCTION	TAPANAM	CONCRETE TESTING REINFORCEMENT INSTALLATION FORMWORK CONCRETE PLACEMENT OPERATIONS CONCRETE CURING
1705.4.5	PRESTRESSING	N/A	NO PRECAST WORK
1705.4.6	PRECAST CONCRETE	N/A	NO PRECAST
1705.4.7	PRECAST ERECTION	N/A	NO MASONRY CONSTRUCTION
1705.5	MASONRY	N/A	NO WOOD CONSTRUCTION
1705.6	WOOD	N/A	
1705.7	FILL	N/A	
1705.8	PILES	N/A	NO PILES
1705.9	PILES	N/A	NO PILES
1705.10	PANELS	N/A	NO WALL PANELS
1705.11	MECH/ELECT	TAPANAM	
1705.12	SPRAYED MATERIALS	N/A	
1705.13	EIFS	N/A	

ABBREVIATIONS		
APPROX	=	APPROXIMATELY
BM	=	BEAM
BOT	=	BOTTOM
CIP	=	CAST IN PLACE
CJ	=	CONSTRUCTION JOINT/CONTROL JOINT
CLR	=	CLEARANCE
COL	=	COLUMN
CONC	=	CONCRETE
DET	=	DETAIL
EA	=	EACH
EJ	=	EXPANSION JOINT
EXIST	=	EXISTING
FIN	=	FINISHED
FL	=	FLOOR
INC	=	INCIDENTAL
LF	=	LINEAR FOOT
LMC	=	LATEX MODIFIED CONCRETE
LS	=	LUMP SUM
MAX	=	MAXIMUM
MIN	=	MINIMUM
N/A	=	NOT APPLICABLE
OC	=	ON CENTER
OH	=	OPPOSITE HAND
P/C	=	PRECAST
REINF	=	REINFORCEMENT
REQ'D	=	REQUIRED
RWC	=	RAIN WATER COLLECTOR
SF	=	SQUARE FOOT
SIM	=	SIMILAR
SOG	=	SLAB ON GRADE
SPEC	=	SPECIFICATION
SUPT	=	SUPPORTED
TAR	=	TYPICAL AS REQUIRED
TYP	=	TYPICAL
UNO	=	UNLESS NOTED OTHERWISE
W/L	=	WORK ITEM
WWF	=	WELDED WIRE FABRIC

CITY OF CLEARWATER MSB PARKING GARAGE WORK ITEM SCHEDULE

WORK ITEM	DESCRIPTION	UNITS	LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	STAIR TOWERS	TOTAL QUANTITY
1.0	GENERAL REQUIREMENTS							
1.1	Project Mobilization	L.S.	XX	XX	XX	XX	XX	1
1.3	Concrete Shores and Reshores							Incidental to WI 1.1
1.4	Concrete Reinforcement							Incidental to WI 1.1
1.5	Temporary Signage							Incidental to WI 1.1
1.7	Owner's Contingency	L.S.	XX	XX	XX	XX	XX	1
2.0	FLOOR SURFACE PREPARATION							
2.6	Floor Preparation - Traffic Topping Removal	S.F.	0	460	22100	27000	500	50060
2.9	Floor Preparation - Curb Demolition	EA.	2	0	0	0	0	2
3.0	CONCRETE FLOOR REPAIR							
3.1	Floor Repair - Partial Depth	S.F.	0	55	20	0	4	79
3.11	Floor Repair - Slab-on-Grade	S.F.	120	0	0	0	0	120
4.0	CONCRETE CEILING REPAIR							
4.1	Ceiling Repair - Partial Depth	S.F.	2	6	14	0	0	22
6.0	CONCRETE CEILING REPAIR							
6.5	Column Repair - Grout Pocket	EA.	0	0	3	40	0	43
6.6	Column Repair - Haunch	S.F.	0	0	4	0	0	4
7.0	CONCRETE WALL REPAIR							
7.1	Wall Repair - Partial Depth	S.F.	0	0	0	4	0	4
7.5	Wall Repair - Grout Pocket	EA.	0	0	0	3	0	3
8.0	PRECAST TEE BEAM REPAIR							
8.1	Tee Beam Repair - Partial Depth	EA.	0	0	10	0	0	10
11.0	CRACK AND JOINT REPAIR							
11.1	Seal Cracks and Joints	L.F.	0	25	40	10	0	75
11.2	Repair Crack/Joint Sealant	L.F.	0	200	0	0	0	200
11.3	Vertical Joint Sealant	L.F.	0	0	470	410	410	1290
11.4	Replace Tee-to-Tee Joint Sealant	L.F.	0	300	1740	3480	0	5520
11.5	Epoxy Injection	L.F.	0	0	30	0	0	30
11.7	Cove Sealant	L.F.	0	0	500	3000	600	4100
11.8	Replace Railing Post Sealant	L.S.	0	0	0	0	XX	1
16.0	Traffic Topping							
16.1	Traffic Topping - Vehicular (Full System)	S.F.	0	460	22100	27000	0	49560
16.2	Traffic Topping - Pedestrian - Stairs	S.F.	0	0	0	0	500	500
25.0	MECHANICAL - DRAINAGE							
25.1	Mechanical - Allowance	L.S.	0	XX	XX	XX	0	1
25.2	Mechanical - Supplementary Floor Drain	EA.	0	1	0	3	0	4
25.3	Mechanical - Pipes and Hangers	L.F.	0	20	0	200	0	220
25.6	Mechanical - Clean Out Floor Drains	L.S.	XX	XX	XX	XX	0	1
30.0	ELECTRICAL - LIGHTING							
30.2	Electrical - Light Fixture Replacement	L.S.	XX	XX	XX	XX	XX	1
36.0	SIGNAGE							
36.1	Replace Signs	L.S.	XX	XX	XX	XX	0	1
37.0	DOORS, FRAMES AND HARDWARE							
37.6	Replace Door Hardware	EA.	0	0	0	1	0	1
40.0	CONNECTIONS/BEARINGS							
40.4	Supplemental Bearing Support	EA.	0	0	10	0	0	10
43.0	MISCELLANEOUS - METALS							
43.1	Stairwell - Guardrail Post Repair	EA.	0	0	0	0	14	14
43.2	Install Nut on Underside of Bollard	EA.	0	0	1	0	0	1
44.0	MISCELLANEOUS							
44.1	Install Delineators	EA.	0	4	4	0	0	8
44.2	Replace Tee Stem Bearing Pads	EA.	20	30	50	0	0	100
44.3	Install Column Corner Guards	EA.	7	11	9	1	0	28
45.0	PAINTING							
45.1	Paint Traffic Markings	S.F.	0	460	22100	27000	0	49560
45.4	Paint Doors and Frames	EA.	0	2	2	3	0	7
45.7	Clean and Paint Bollards	EA.	6	6	6	3	0	21
45.8	Clean and Cold Galv. Corroded Barrier Cable Hardware	EA.	0	0	0	3	0	3
45.9	Clean and Cold Galvanize Steel Connections	EA.	0	0	30	0	0	30
45.10	Clean and Paint Display Box	EA.	2	0	0	0	0	2
45.11	Paint Drain and Fire Stand Piping	L.S.	XX	XX	XX	XX	XX	1
45.12	Clean and Paint Stair Railings	L.S.	XX	XX	XX	XX	XX	1
45.14	Clean and Paint Metal Pan Stairs	L.S.	XX	XX	XX	XX	XX	1

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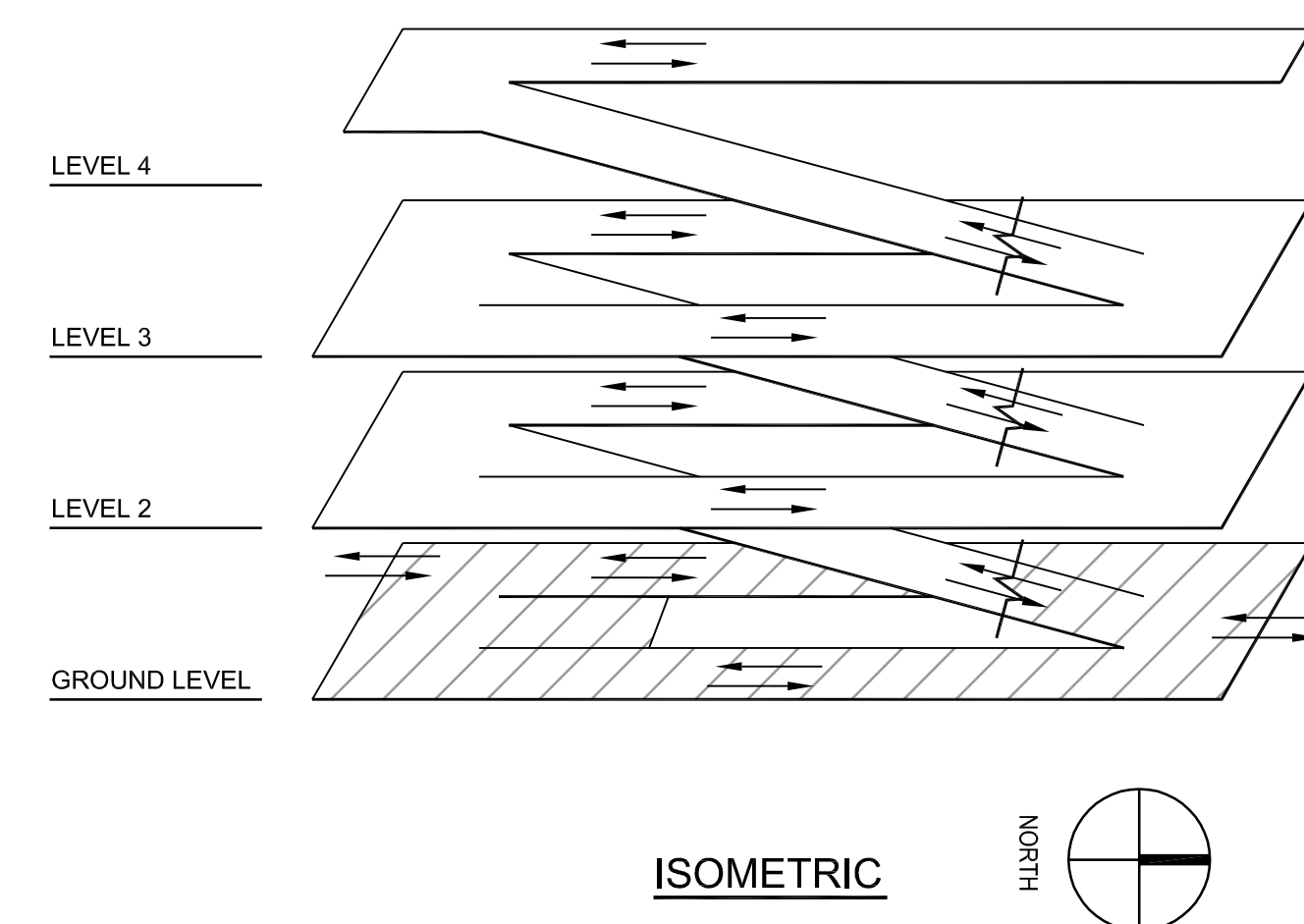
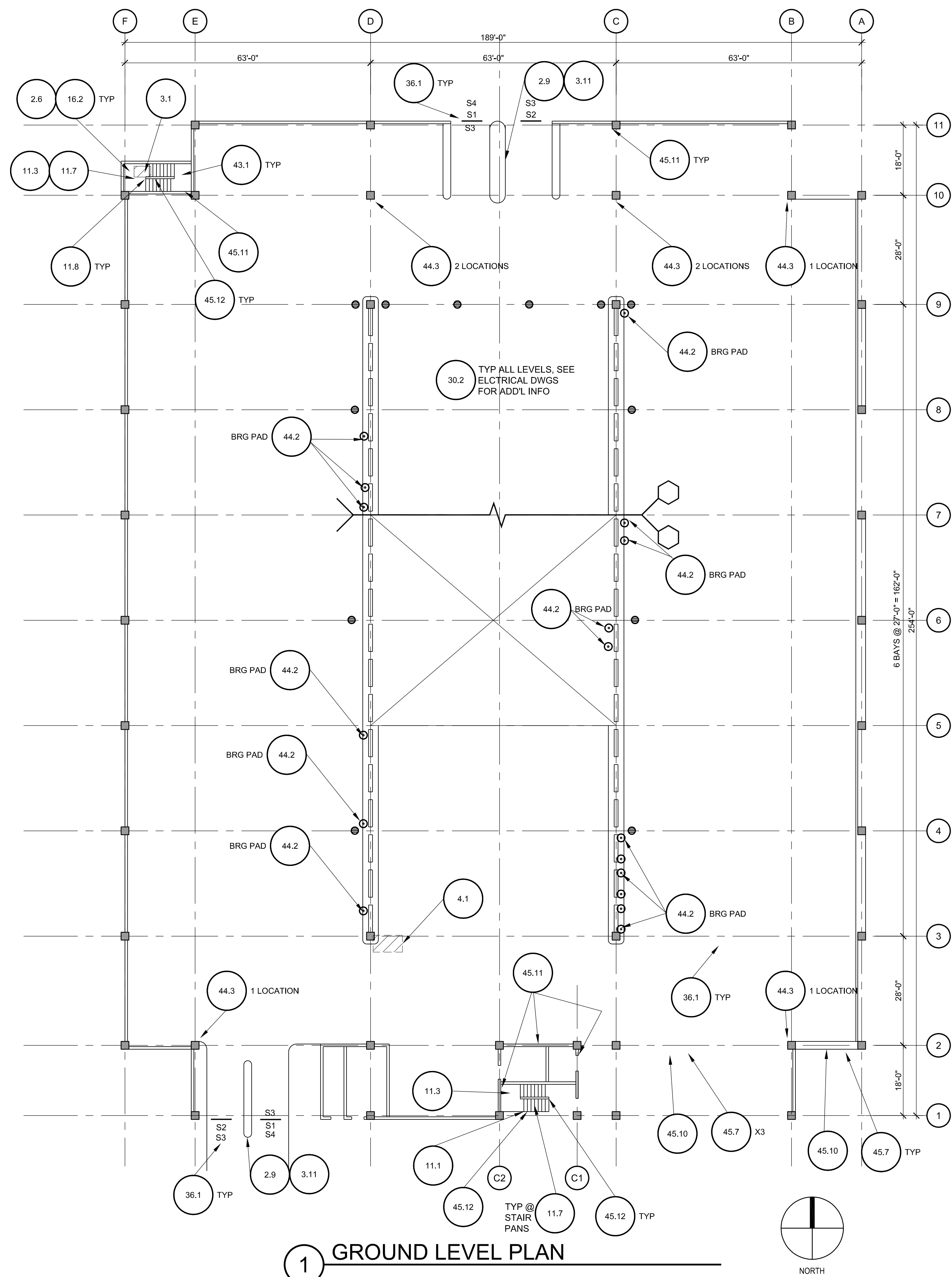
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CONTRACT NO.: 18-0032-EN	DATE DRAWN: 09-10-2021	DRAWN BY: MCB	VERT. _____
JOB NO.: 15-002554.00	DESIGNED BY: BSS	CHECKED BY: MPD	HORIZ. SHEET NO.: 2 OF 19
APPROVED BY _____			DATE _____

CITY OF CLEARWATER, FLORIDA
MUNICIPAL PARKING GARAGE REHABILITATION
640 PIERCE STREET
CLEARWATER, FL 33756


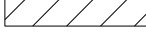







GENERAL NOTES,
WORK ITEM SCHEDULE
AND LEGEND

RECORD DRAWINGS			
SURVEYED BY:	DRAWN BY:		
REVIEWED BY:			
PROJECT ENGINEER	DATE		
APPROVED BY:			
	DATE	REVISION	BY DATE



GENERAL LEGEND

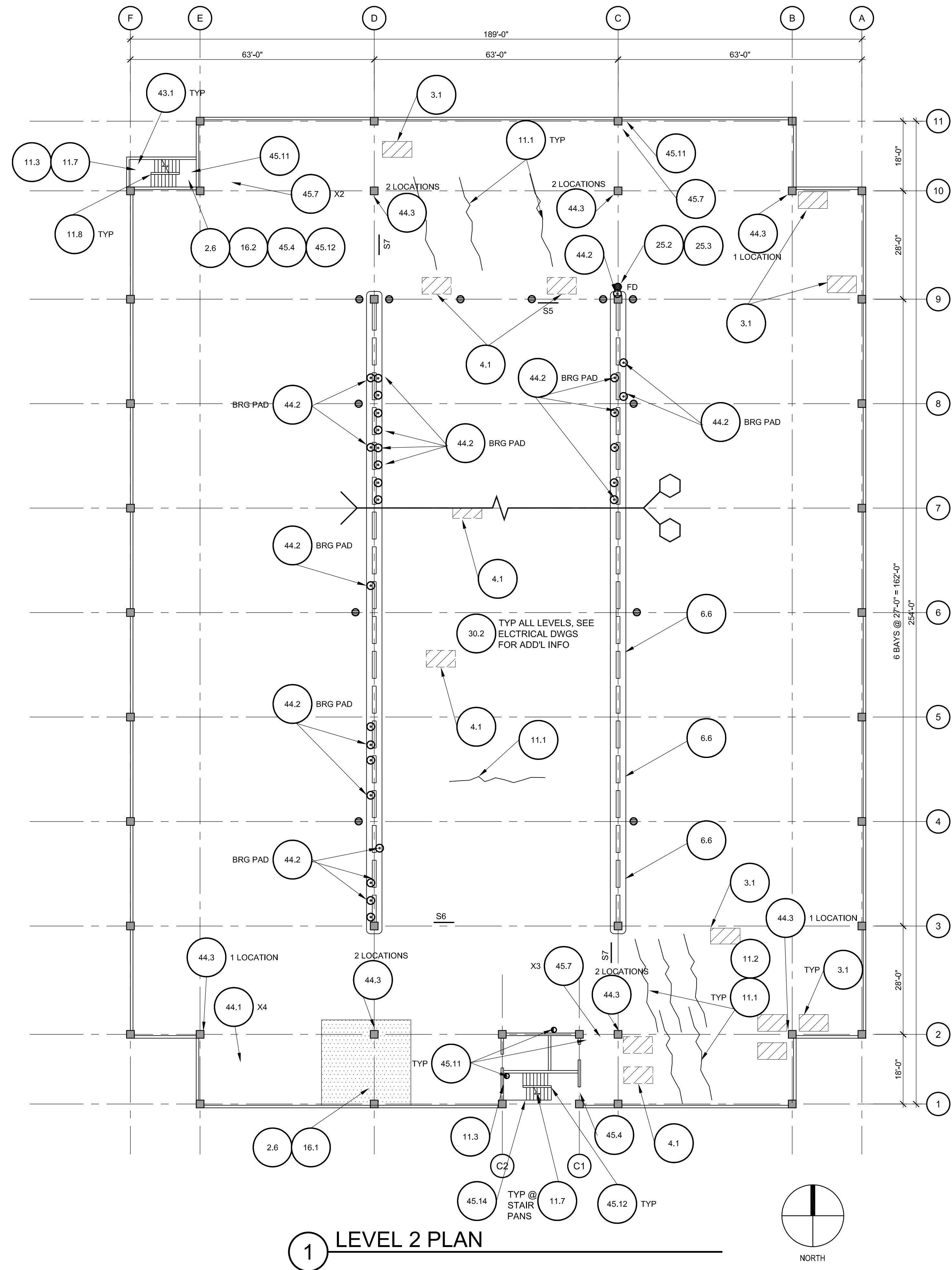
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|  | EXPANSION JOINT
(EJ) |
|  | FLOOR SPALL OR DELAMINATION |
|  | CEILING SPALL OR DELAMINATION |
|  | TRAFFIC TOPPING - W.I. 16.1 |
|  | EXISTING FLOOR DRAIN (FD) |
|  | NEW SUPPLEMENTAL FLOOR DRAIN (FD) |
|  | FAILED BEARING PAD W.I.44.2 |

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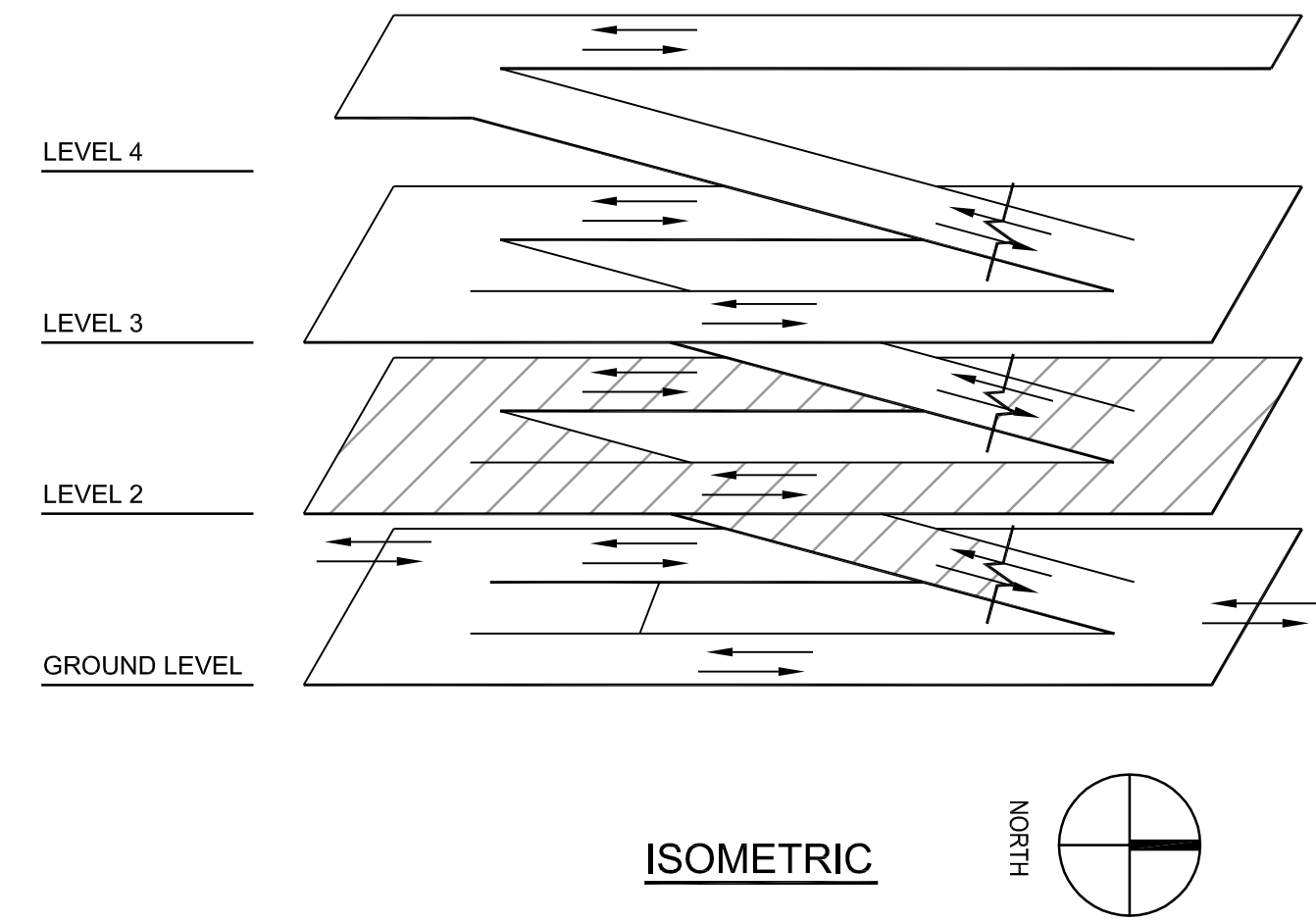


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1 LEVEL 2 PLAN



GENERAL LEGEND

- EXPANSION JOINT (EJ)
- FLOOR SPALL OR DELAMINATION
- CEILING SPALL OR DELAMINATION
- TRAFFIC TOPPING - W.I. 16.1
- FD EXISTING FLOOR DRAIN (FD)
- FD NEW SUPPLEMENTAL FLOOR DRAIN (FD)
- FAILED BEARING PAD W.I.44.2

CITY OF CLEARWATER, FLORIDA
MUNICIPAL PARKING GARAGE REHABILITATION
640 PIERCE STREET
CLEARWATER, FL 33756

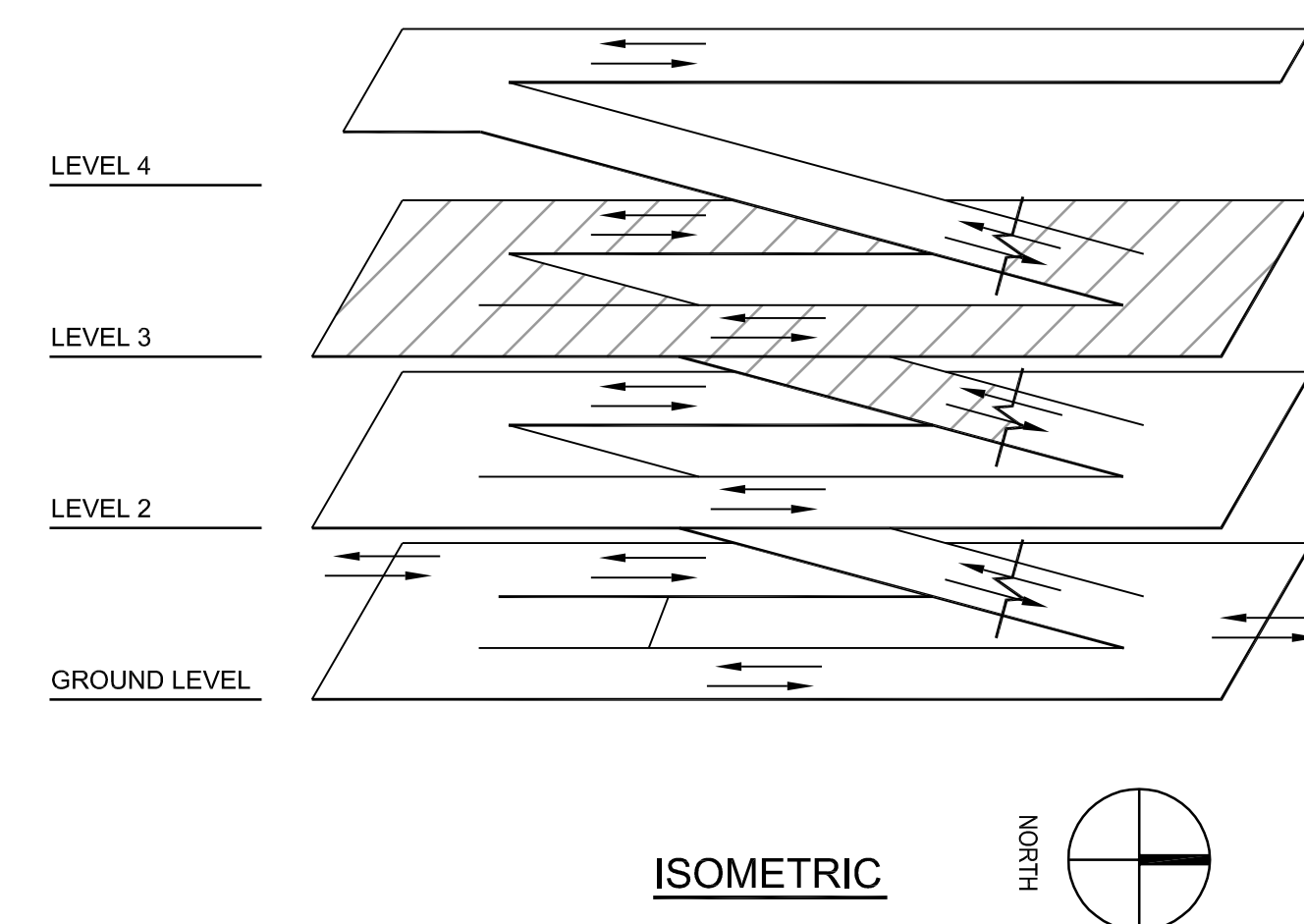
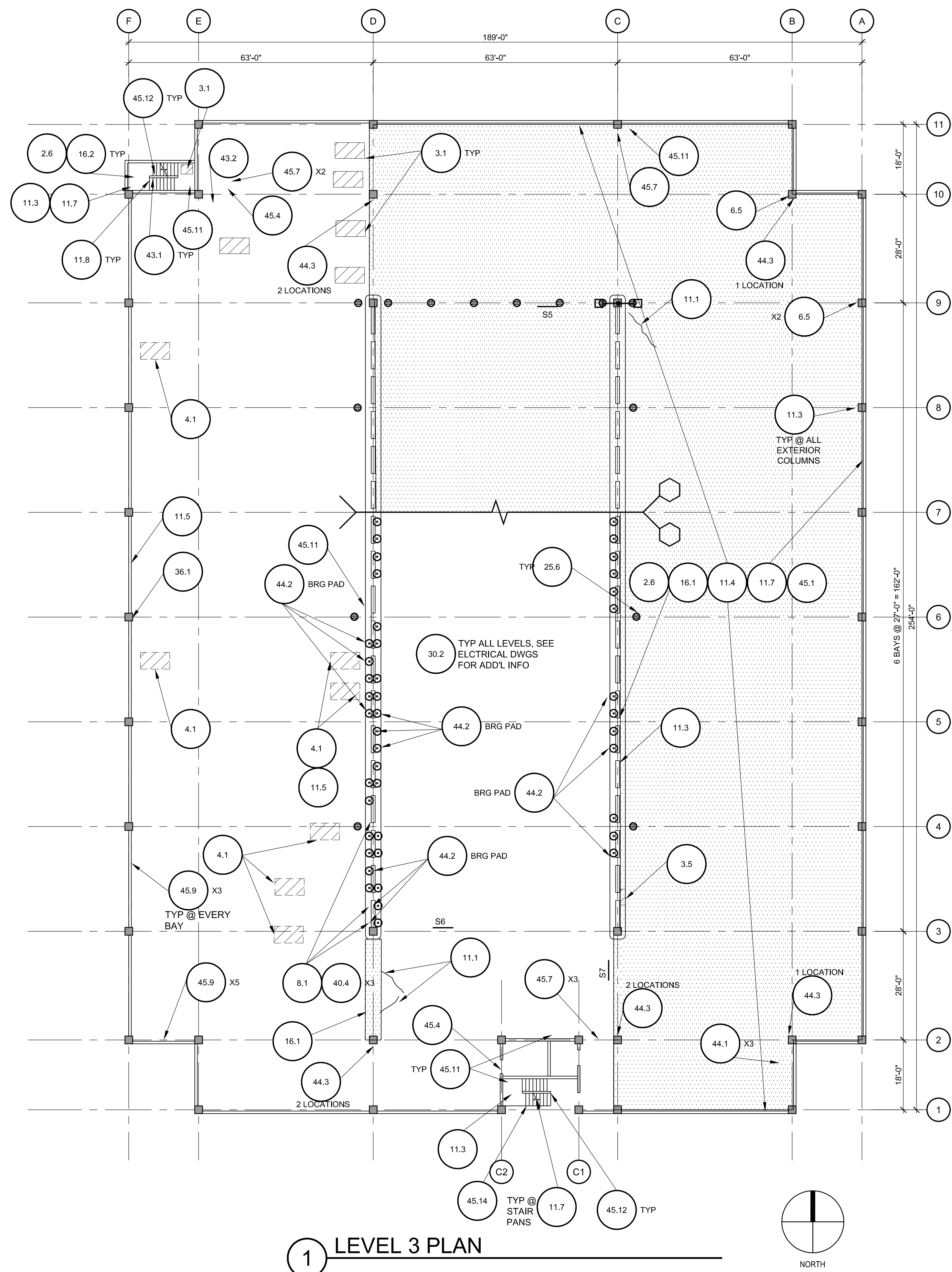
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CONTRACT NO.: 18-0032-EN	DATE DRAWN: 09-10-2021	DRAWN BY: MCB	VERT. _____
JOB NO.: 15-002554.00	DESIGNED BY: BSS	CHECKED BY: MPD	HORIZ. _____
APPROVED BY:	DATE:	SHEET NO.: 4 OF 19	



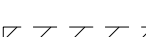
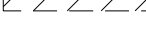



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GENERAL LEGEND

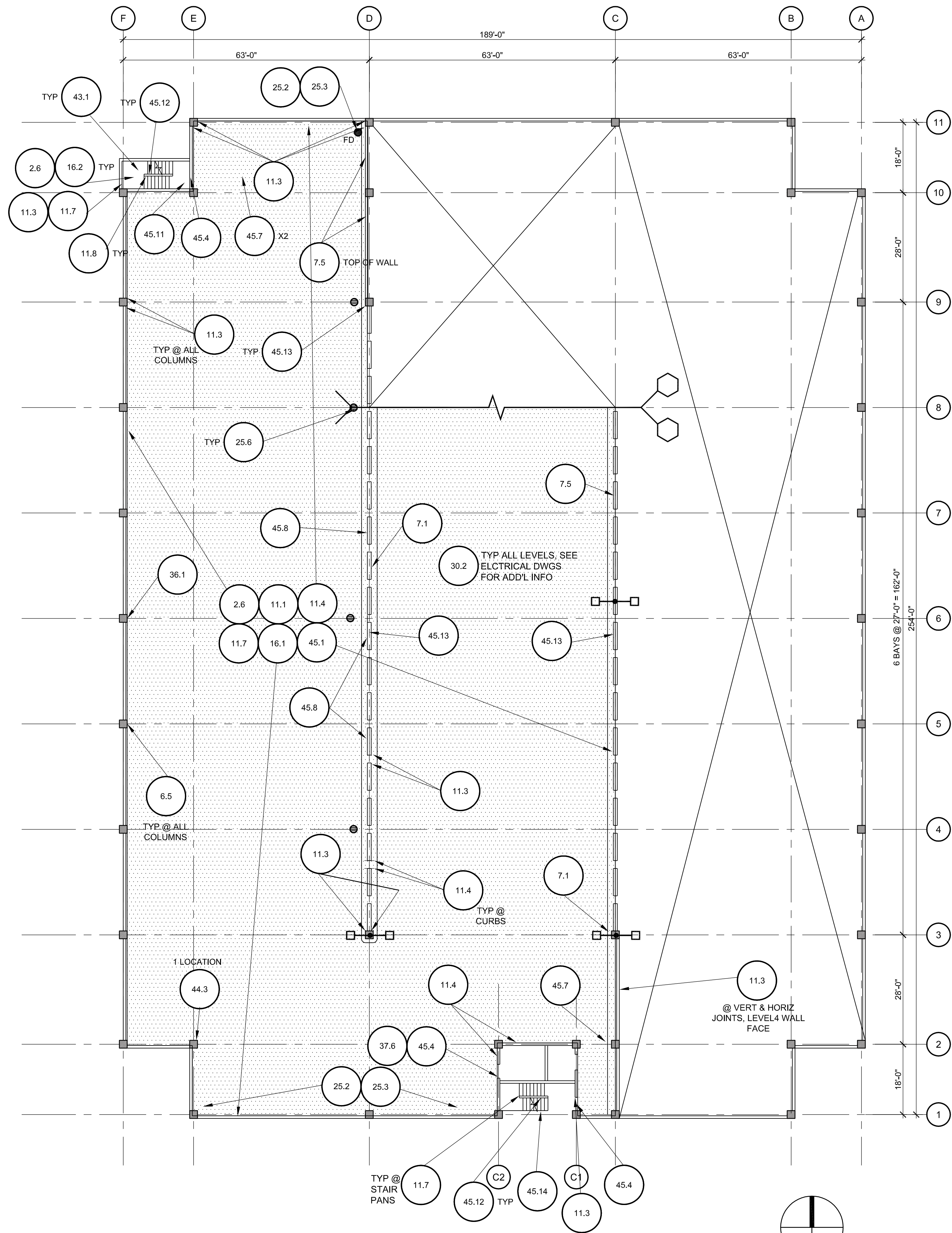
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|  | EXPANSION JOINT
(EJ) |
|  | FLOOR SPALL OR DELAMINATION |
|  | CEILING SPALL OR DELAMINATION |
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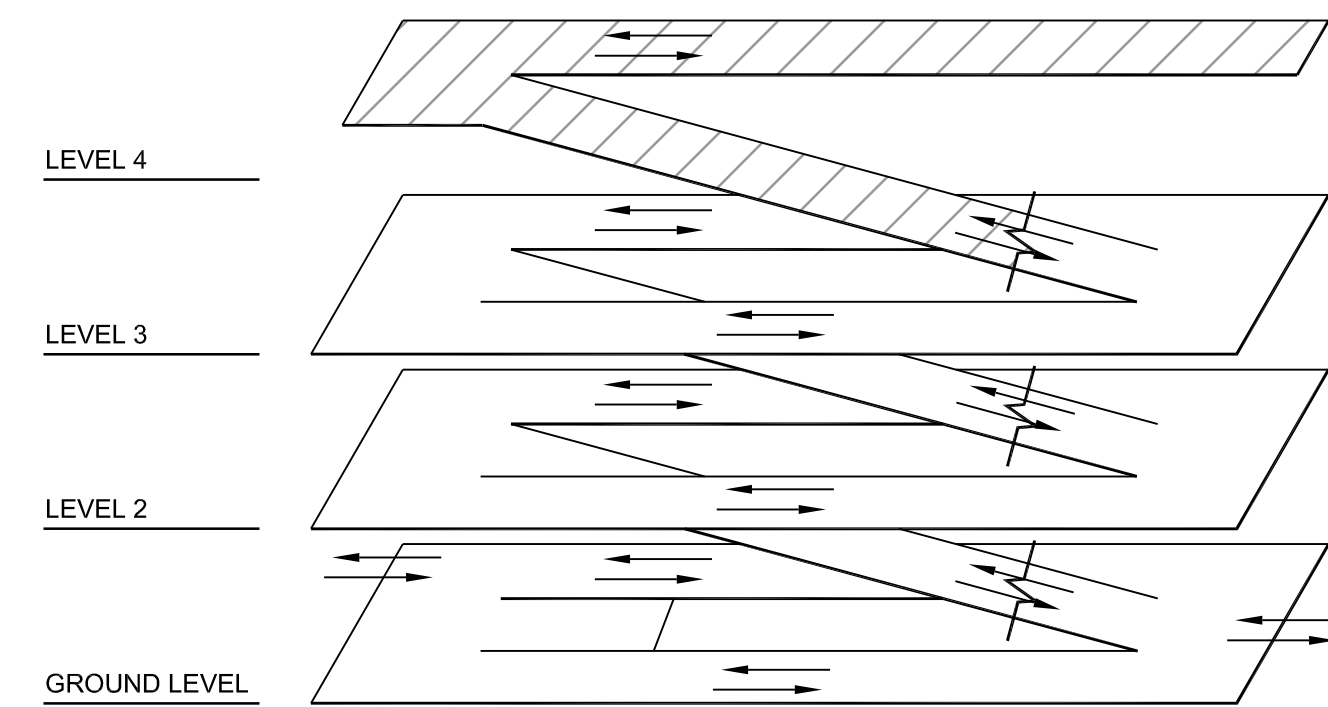


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1 LEVEL 4 PLAN



ISOMETRIC

GENERAL LEGEND

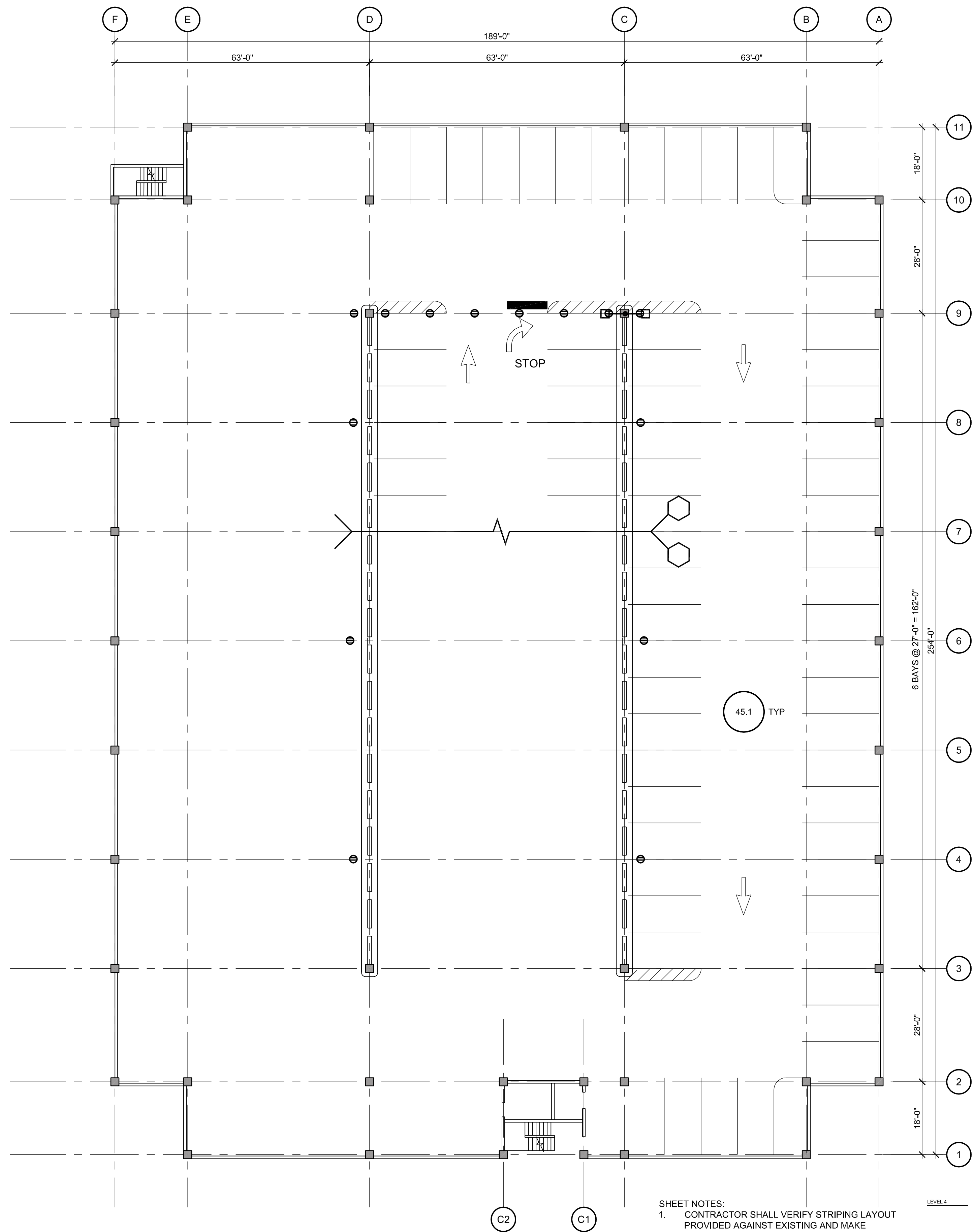
- EXPANSION JOINT (EJ)
- /// FLOOR SPALL OR DELAMINATION
- /// CEILING SPALL OR DELAMINATION
- ... TRAFFIC TOPPING - W.I. 16.1
- FD EXISTING FLOOR DRAIN (FD)
- FD NEW SUPPLEMENTAL FLOOR DRAIN (FD)
- FAILED BEARING PAD W.I.14.2

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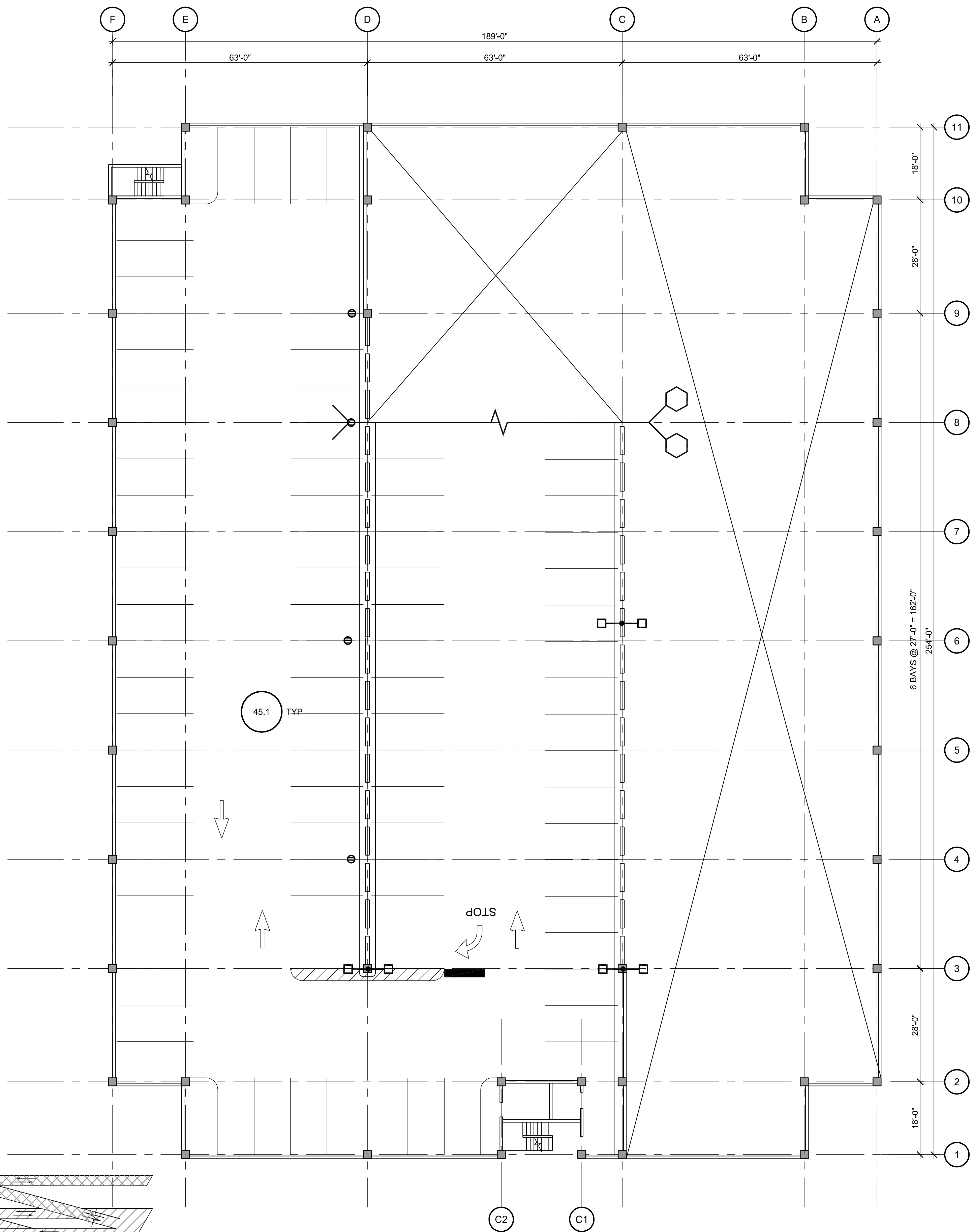
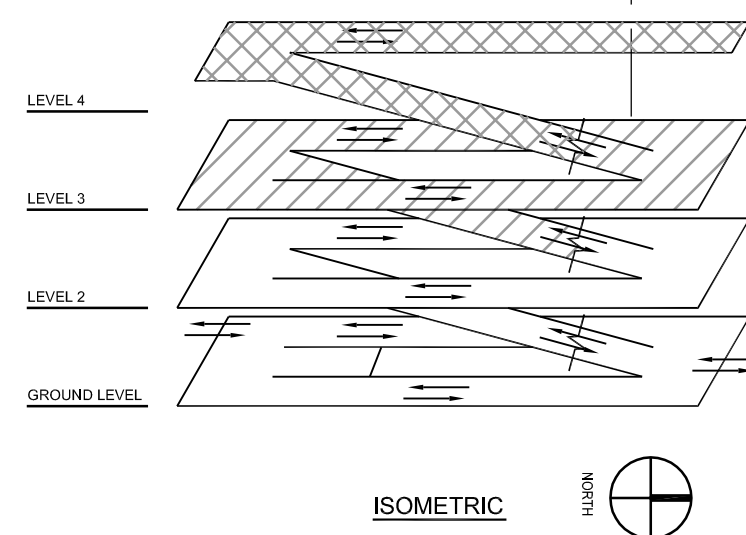
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RECORD DRAWINGS				CITY OF CLEARWATER, FLORIDA MUNICIPAL PARKING GARAGE REHABILITATION 640 PIERCE STREET CLEARWATER, FL 33756	LEVEL_4_PLAN	DWG NAME:	FIELD BOOK:	SURVEYED BY:	SCALE:
SURVEYED BY:	DRAWN BY:					CONTRACT NO.: 18-0032-EN	DATE DRAWN: 09-10-2021	DRAWN BY: MCB	VERT.:
REVIEWED BY:						JOB NO.: 15-002554.00	DESIGNED BY: BSS	CHECKED BY: MPD	HORIZ.:
APPROVED BY:						SHEET NO.: 6 OF 19			
		REVISION		BY	DATE	APPROVED BY			
						DATE			

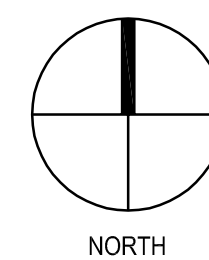


1 LEVEL 3 RESTRIPING PLAN

- SHEET NOTES:
- CONTRACTOR SHALL VERIFY STRIPING LAYOUT PROVIDED AGAINST EXISTING AND MAKE NECESSARY CORRECTIONS.
 - COST FOR REMOVAL AND REPLACEMENT OF STRIPING DUE TO DISCREPANCIES BETWEEN PROVIDED PLANS AND EXISTING SHALL BE AT CONTRACTOR COST.



1 LEVEL 4 RESTRIPING PLAN



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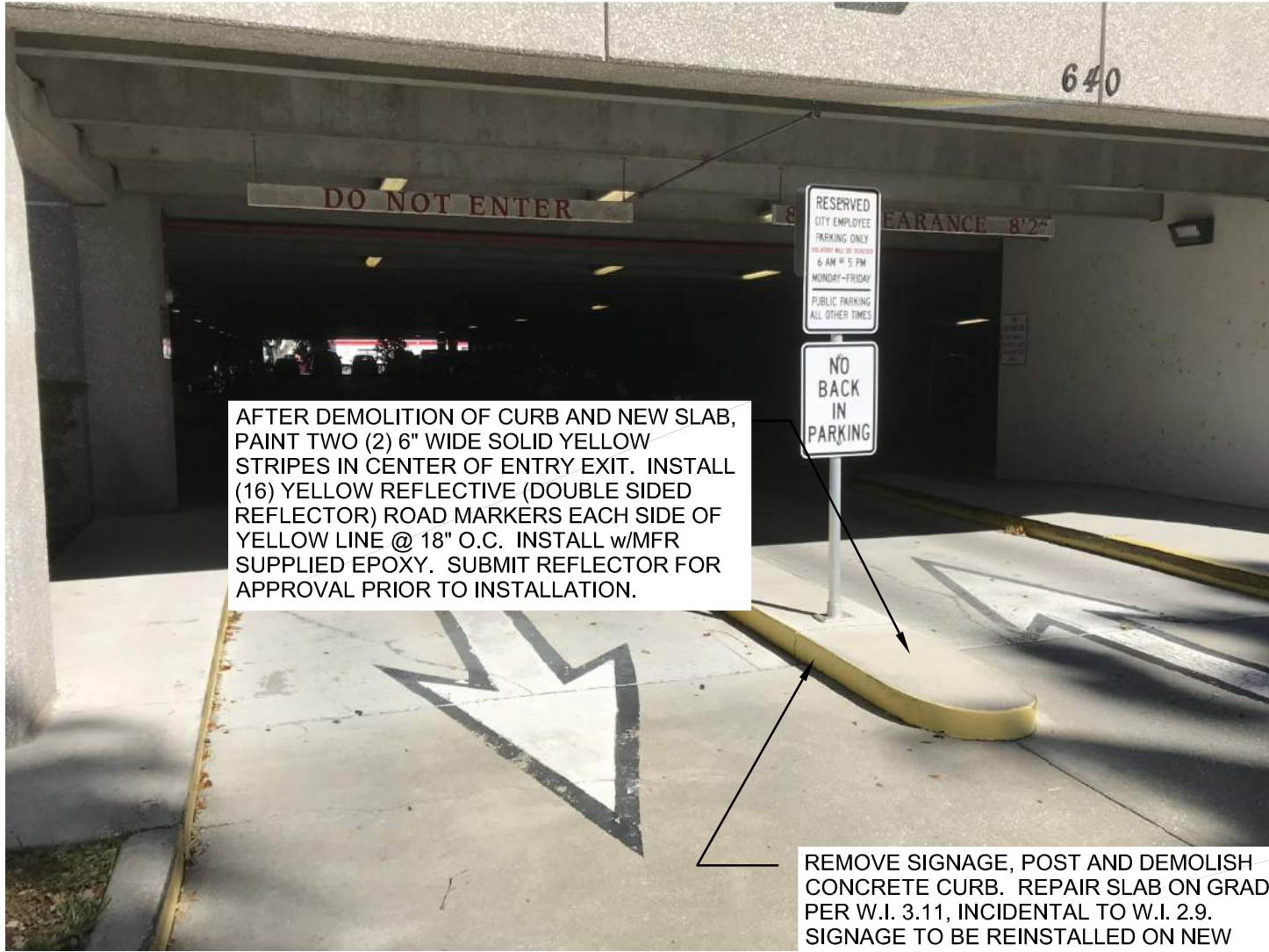
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RECORD DRAWINGS			
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REVIEWED BY:			
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APPROVED BY:	DATE	REVISION	BY DATE

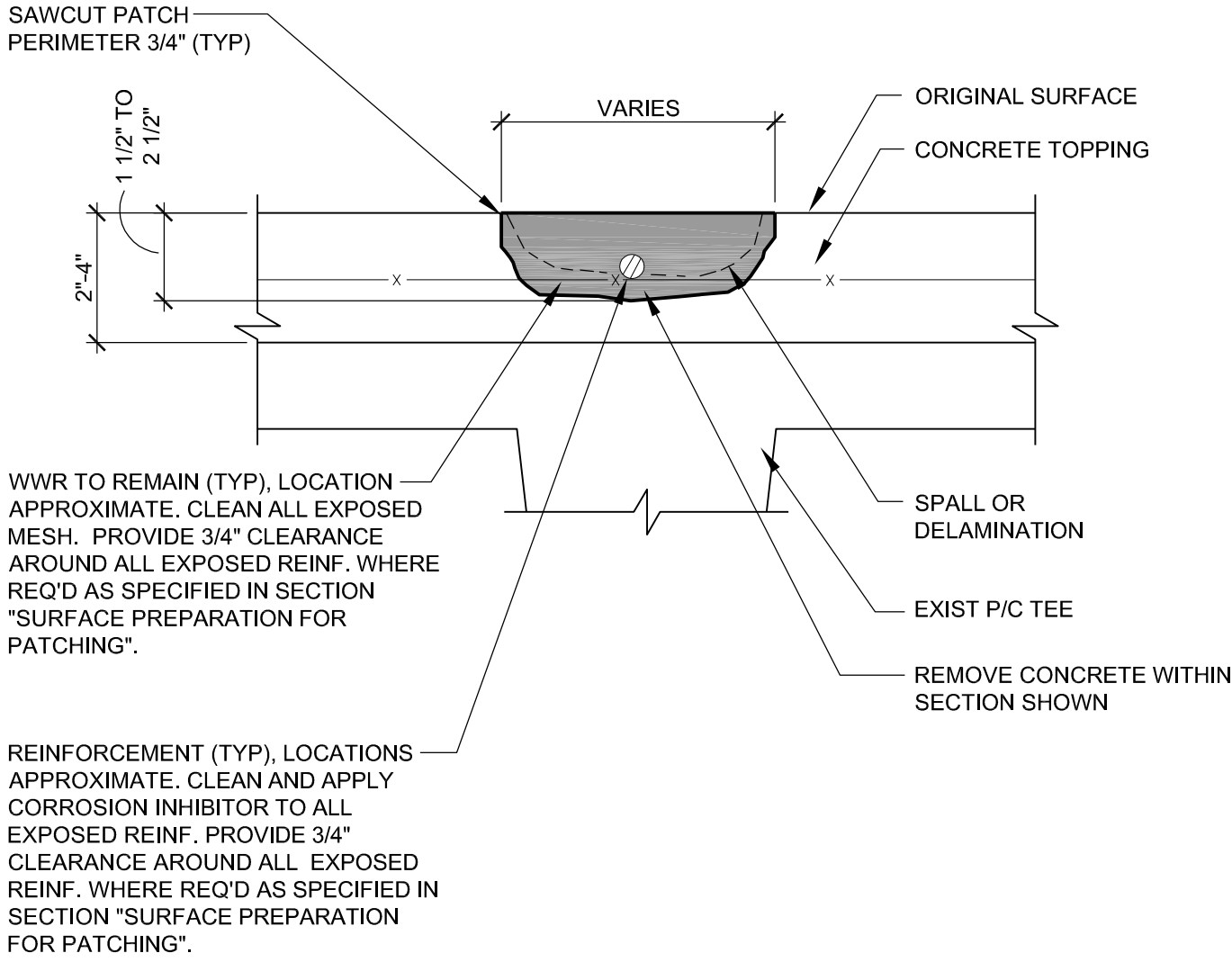
CITY OF CLEARWATER, FLORIDA
MUNICIPAL PARKING GARAGE REHABILITATION
640 PIERCE STREET
CLEARWATER, FL 33756

LEVEL_3_&_4_RESTRIPING_PLAN

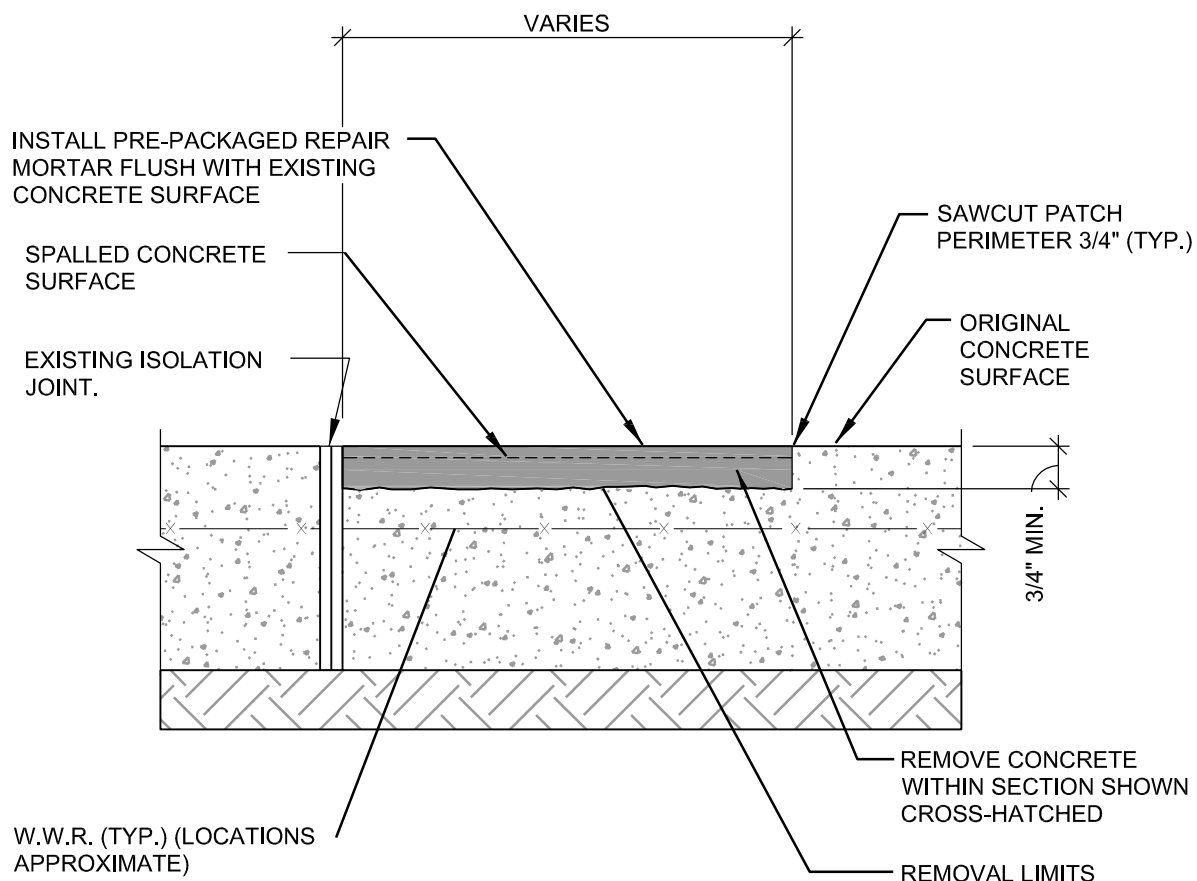
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CONTRACT NO.: 18-0032-EN	DATE DRAWN: 09-10-2021	DRAWN BY: MCB	VERT. _____
JOB NO.: 15-002554.00	DESIGNED BY: BSS	CHECKED BY: MPD	HORIZ. _____
APPROVED BY:		SHEET NO.: 7 OF 19	
		DATE	



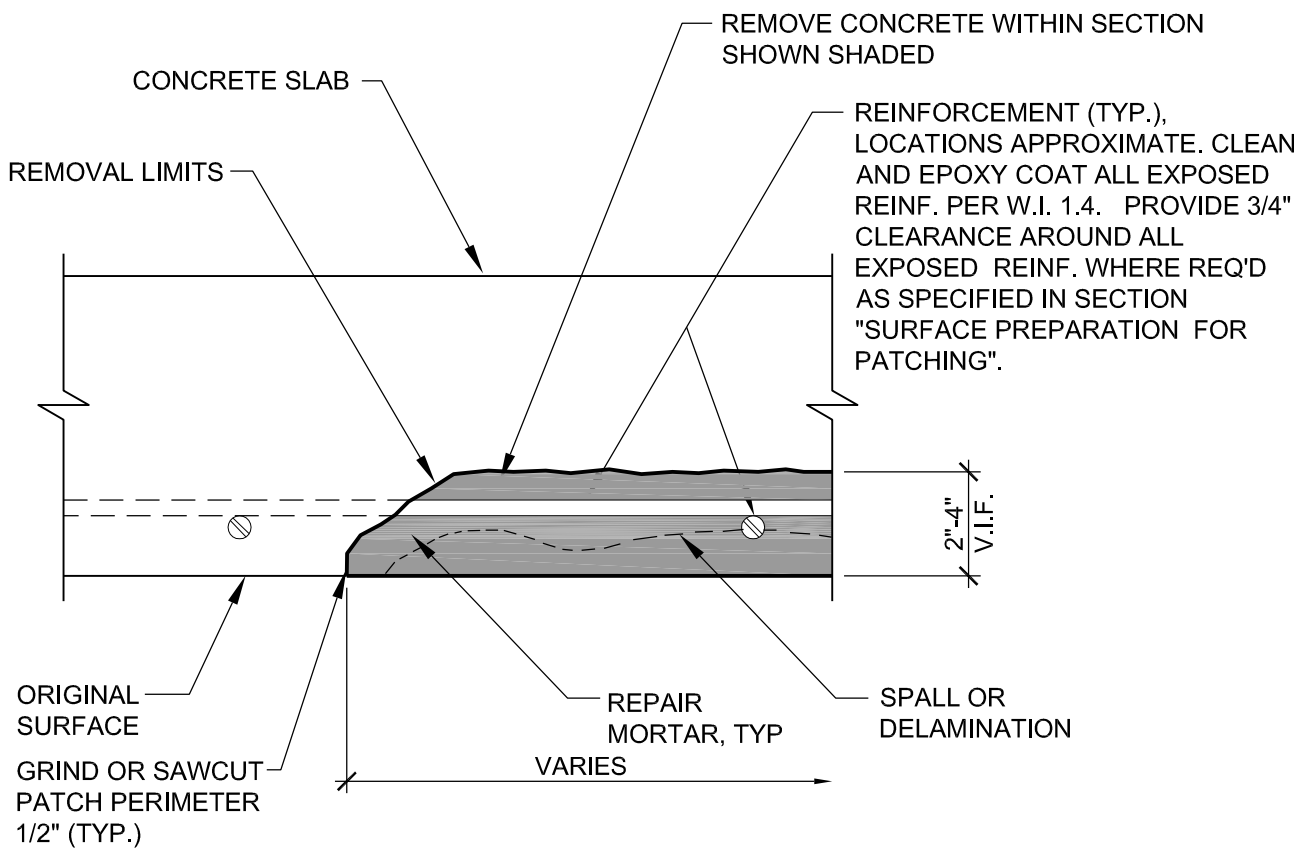
2.9 FLOOR PREPARATION-CURB DEMOLITION



3.1 FLOOR REPAIR-PARTIAL DEPTH



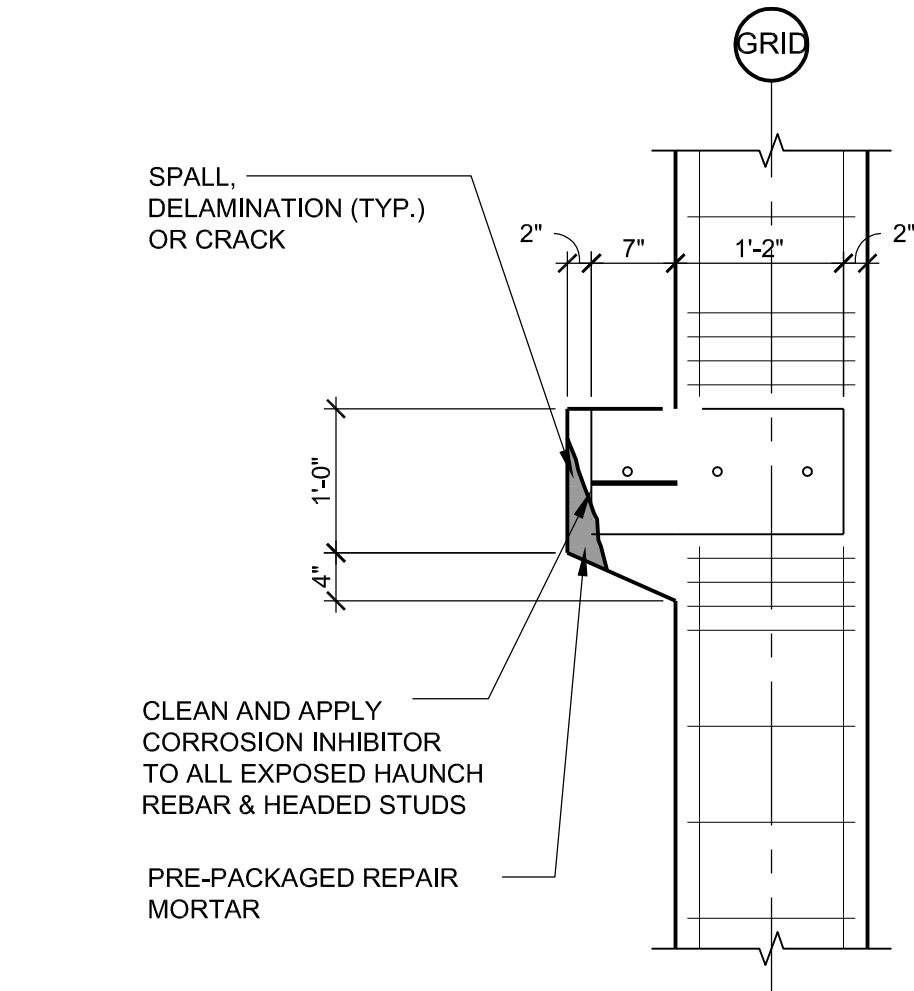
3.11 FLOOR REPAIR - SLAB-ON-GRADE



4.1 CEILING REPAIR-PARTIAL DEPTH

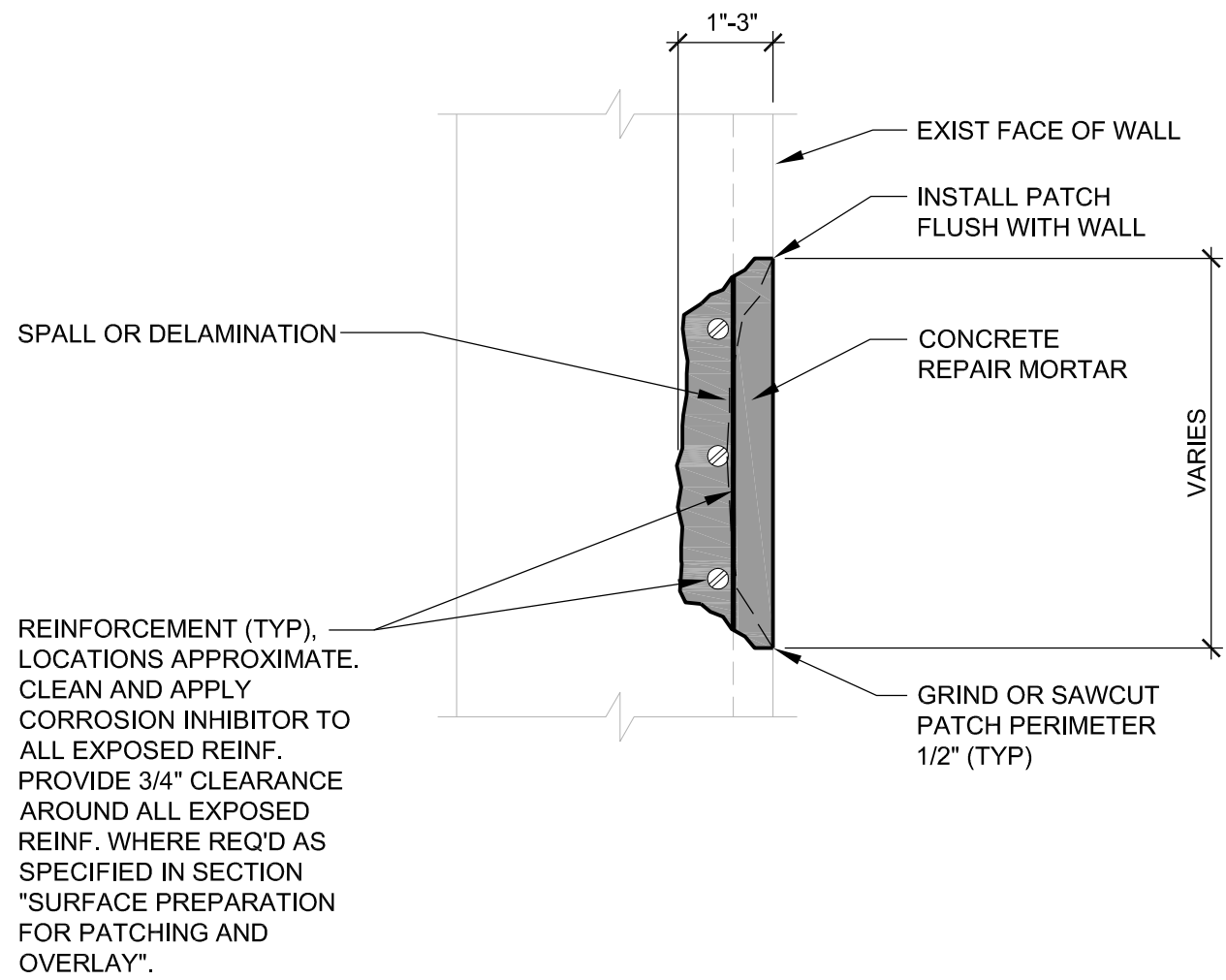


6.5 COLUMN REPAIR-GROUT POCKET



NOTES:
1. REPAIR COLUMN AFTER REPAIR TO MATCH EXISTING.
2. FIELD VERIFY ALL DIMENSIONS SHOWN.

6.6 COLUMN REPAIR-HAUNCHES



7.1 CONCRTE WALL REPAIR -PARTIAL DEPTH

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APPROVED BY:	DATE	REVISION	BY	DATE

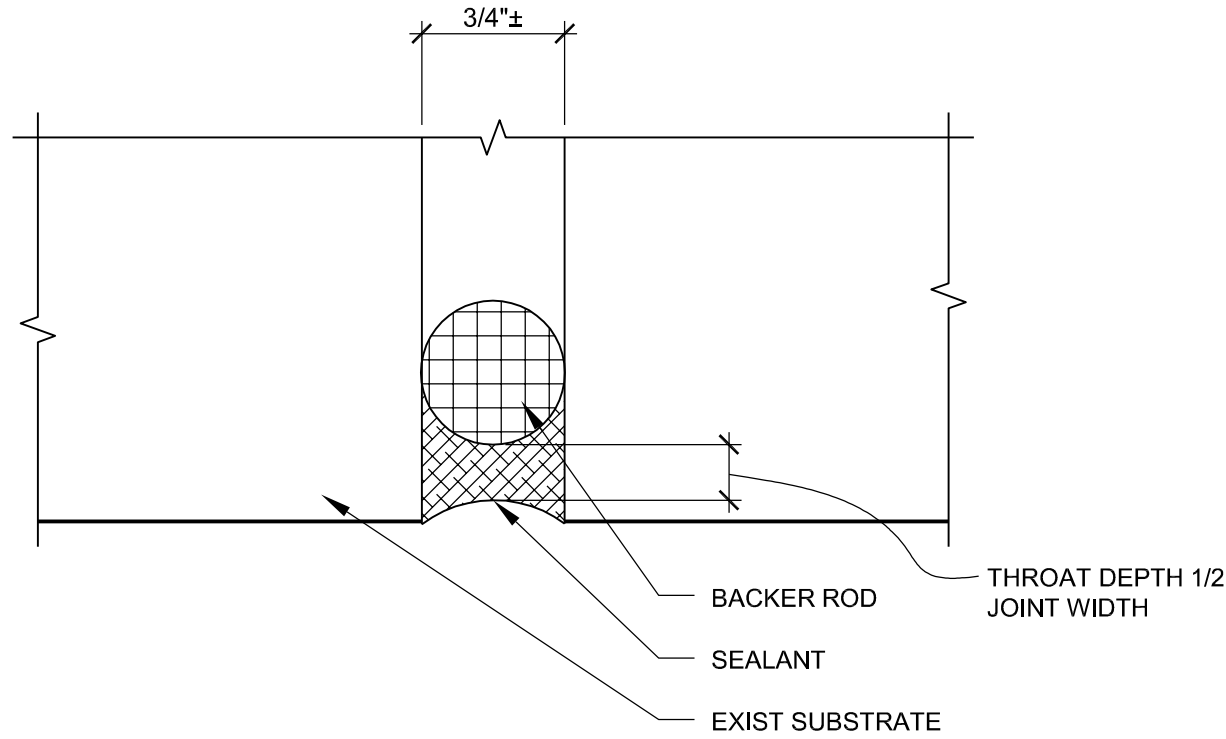
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640 PIERCE STREET
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REPAIR_DETAILS

DWG NAME:	FIELD BOOK:	SURVEYED BY:	SCALE:
CONTRACT NO.: 18-0032-EN	DATE DRAWN: 09-10-2021	DRAWN BY: MCB	VERT.
JOB NO.: 15-002554.00	DESIGNED BY: BSS	CHECKED BY: MPD	HORIZ. SHEET NO. 8 OF 19
APPROVED BY:		DATE:	

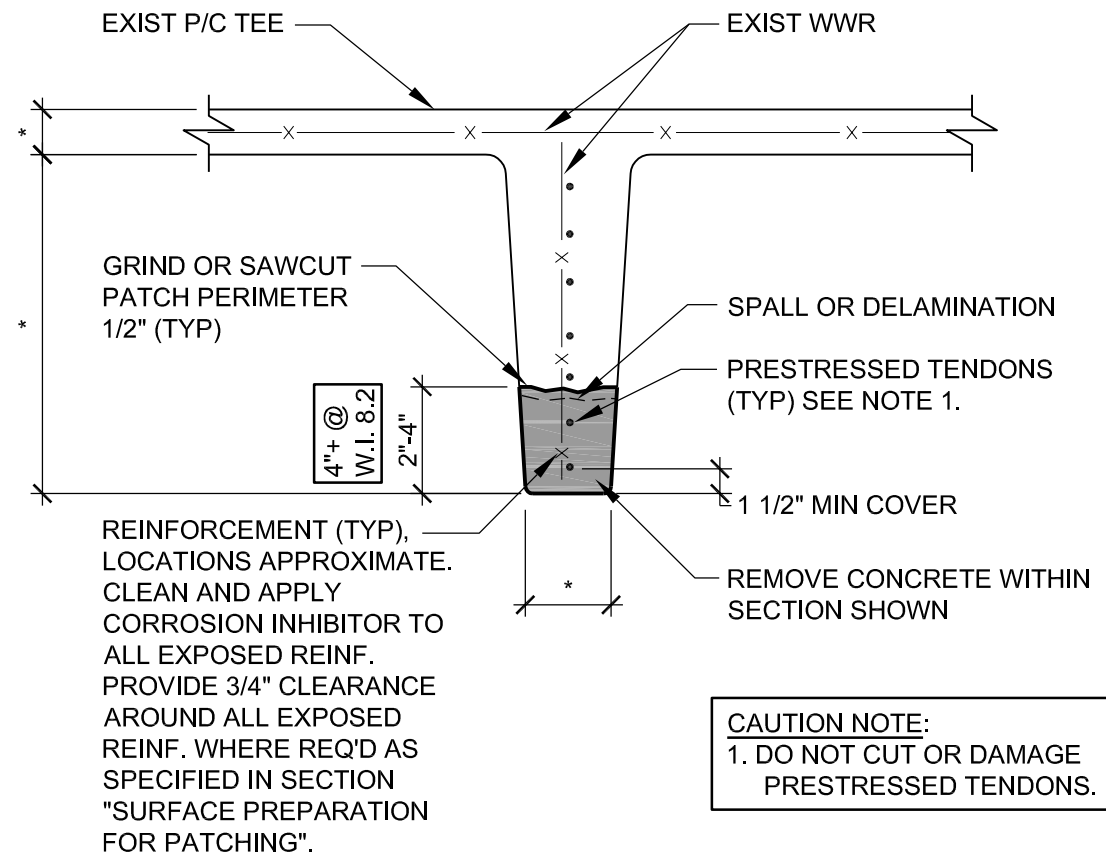


7.5 WALL REPAIR-GROUT POCKET

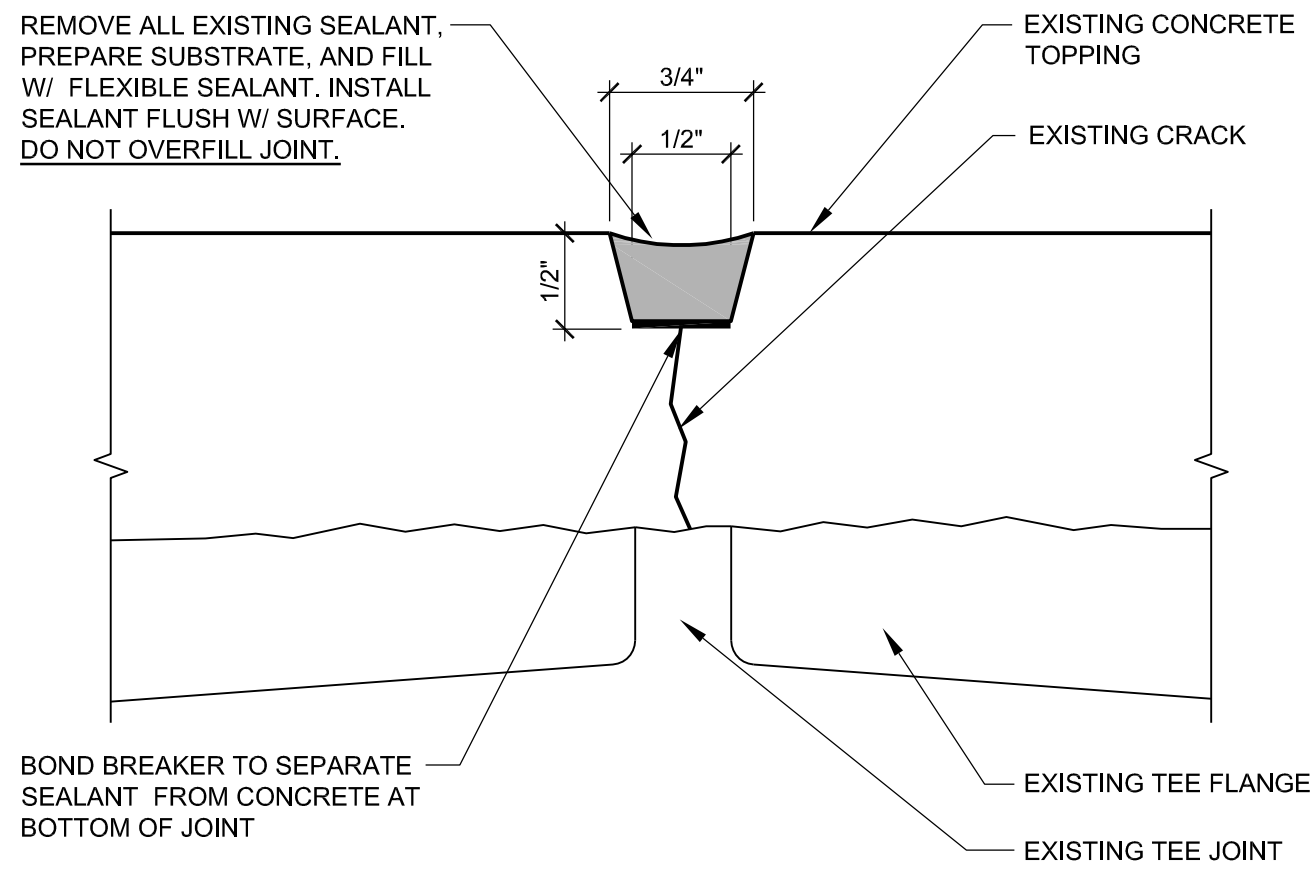


NOTES:
1. CLEAN JOINT SUBSTRATE BY SAND & AIR BLASTING.
2. PREPARE AND PRIME SEALANT CAVITY & INSTALL SEALANT ACCORDING TO SEALANT MANUFACTURER'S RECOMMENDATIONS.

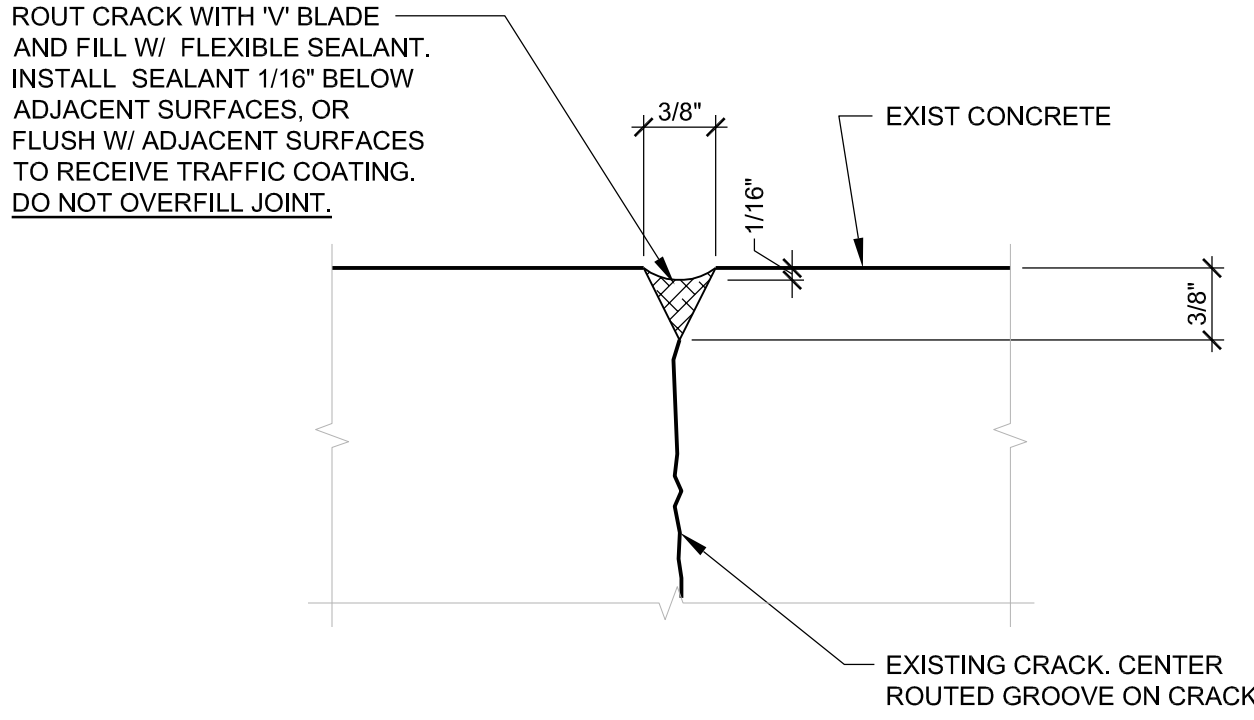
11.3 VERTICAL JOINT SEALANT



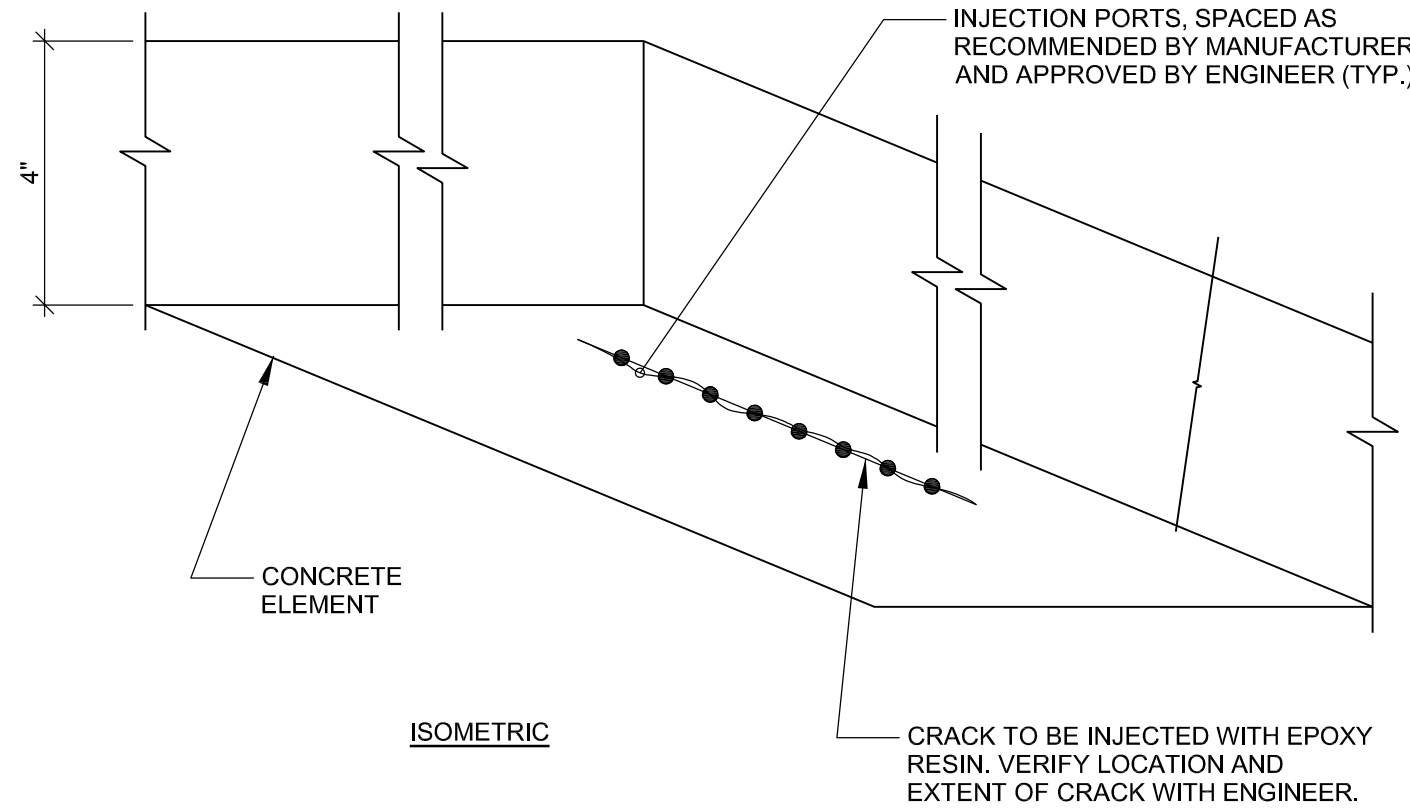
8.1 TEE STEM REPAIR-PARTIAL DEPTH



11.4 REPLACE TEE-TO-TEE JOINT SEALANT

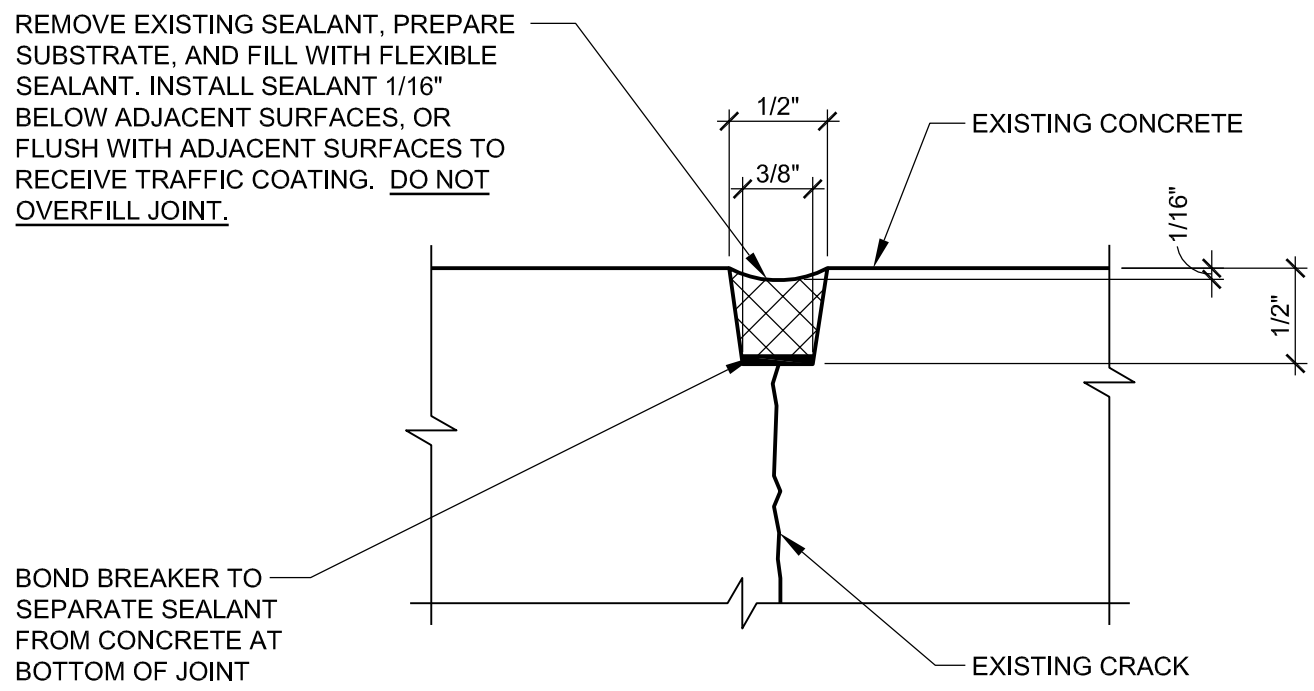


11.1 SEAL CRACKS AND JOINTS (INCIDENTAL TO W.I. 16.1)

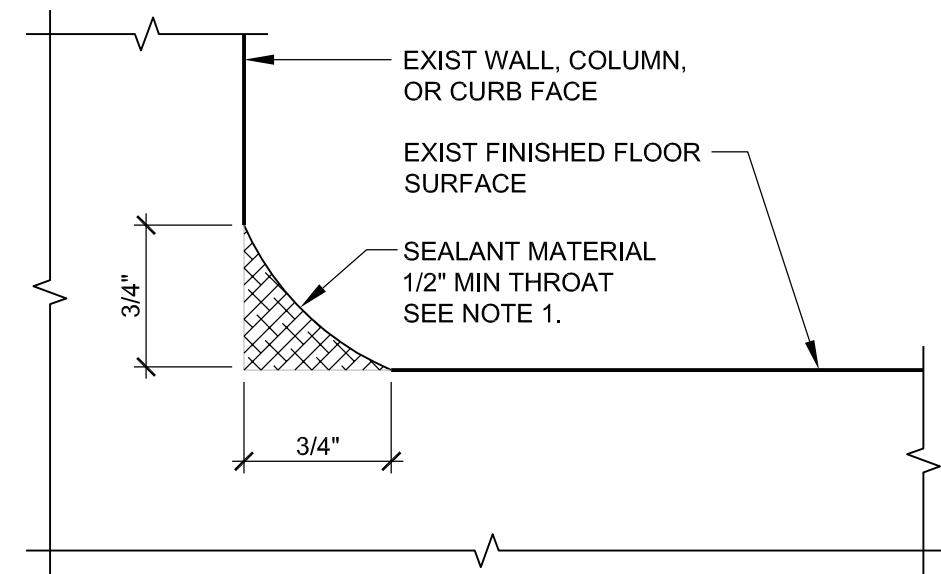


NOTES:
1. CLEAN SURFACE OF WALL TO IDENTIFY CRACK.
2. SPACE DRILL HOLES AS RECOMMENDED BY MANUFACTURER.
3. FLUSH DRILL HOLES w/CLEAN WATER.

11.5 EPOXY INJECTION



11.2 JOINT SEALANT REPAIR



NOTE:
1. REMOVE EXISTING COVE SEALANT MATERIAL IF PRESENT. PREPARE SURFACE PER SPECIFICATIONS.

11.7 COVE SEALANT

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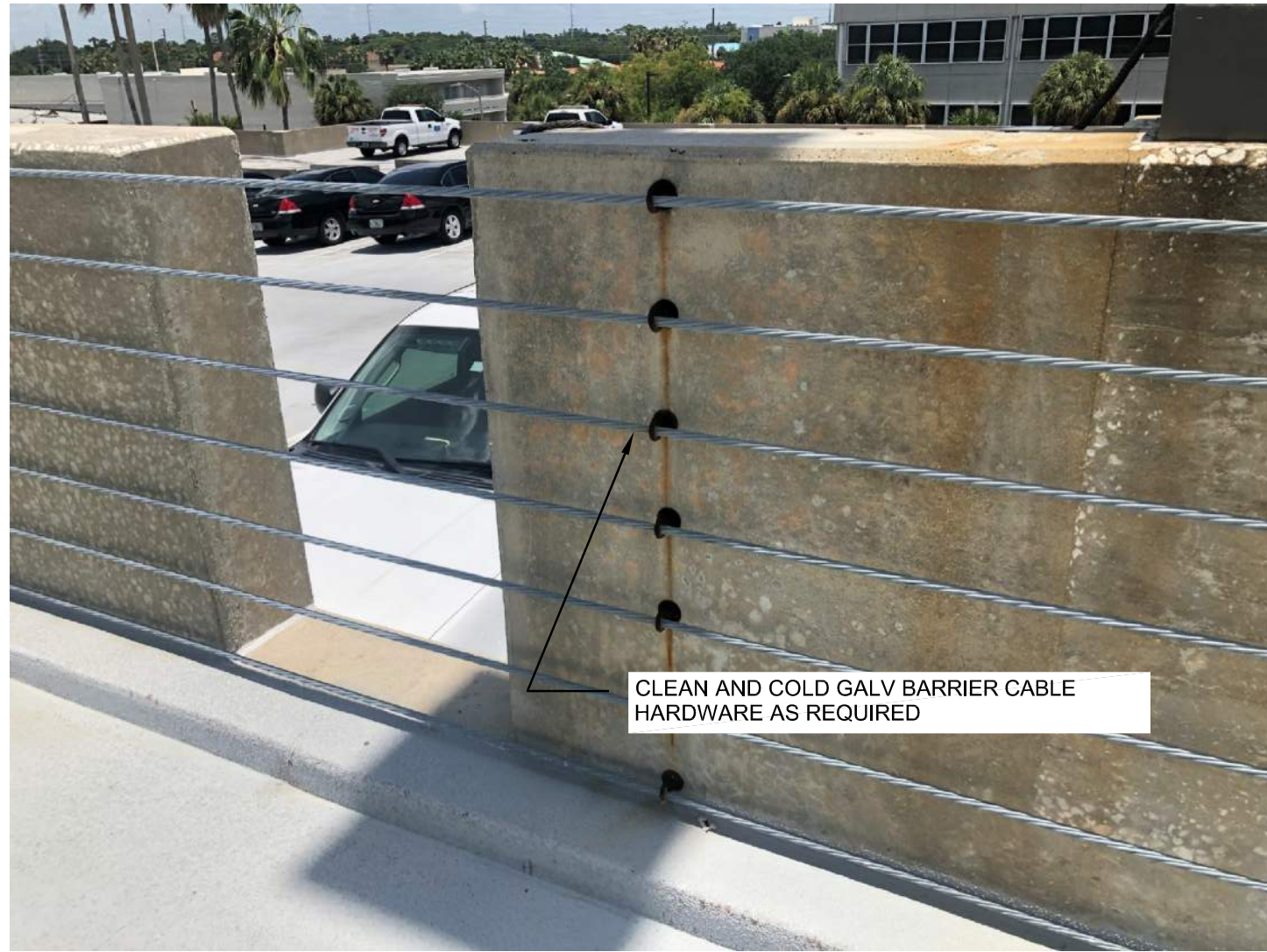
REPAIR_DETAILS

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CONTRACT NO.: 18-0032-EN	DATE DRAWN: 09-10-2021	DRAWN BY: MCB	VERT. _____
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APPROVED BY:			SHEET NO.: 9 OF 19
			DATE _____



CLEAN AND COLD GALV BARRIER CABLE
HARDWARE AS REQUIRED

CLEAN AND COLD GALVANIZE
BARRIER CABLE HARDWARE

45.8



CLEAN AND COLD GALV STEEL
CONNECTIONS AS REQUIRED. SEE
SPECS FOR ADD'L INFO

CLEAN AND COLD GALVANIZE
STEEL CONNECTIONS

45.9



CLEAN AND PAINT DISPLAY BOXES.
SEE SPECS FOR ADD'L INFO

CLEAN AND PAINT DISPLAY BOX

45.10



CLEAN AND PAINT DRAIN AND
FIRE STAND PIPING. SEE
SPECS FOR ADD'L INFO

PAINT DRAIN AND FIRE STAND PIPING

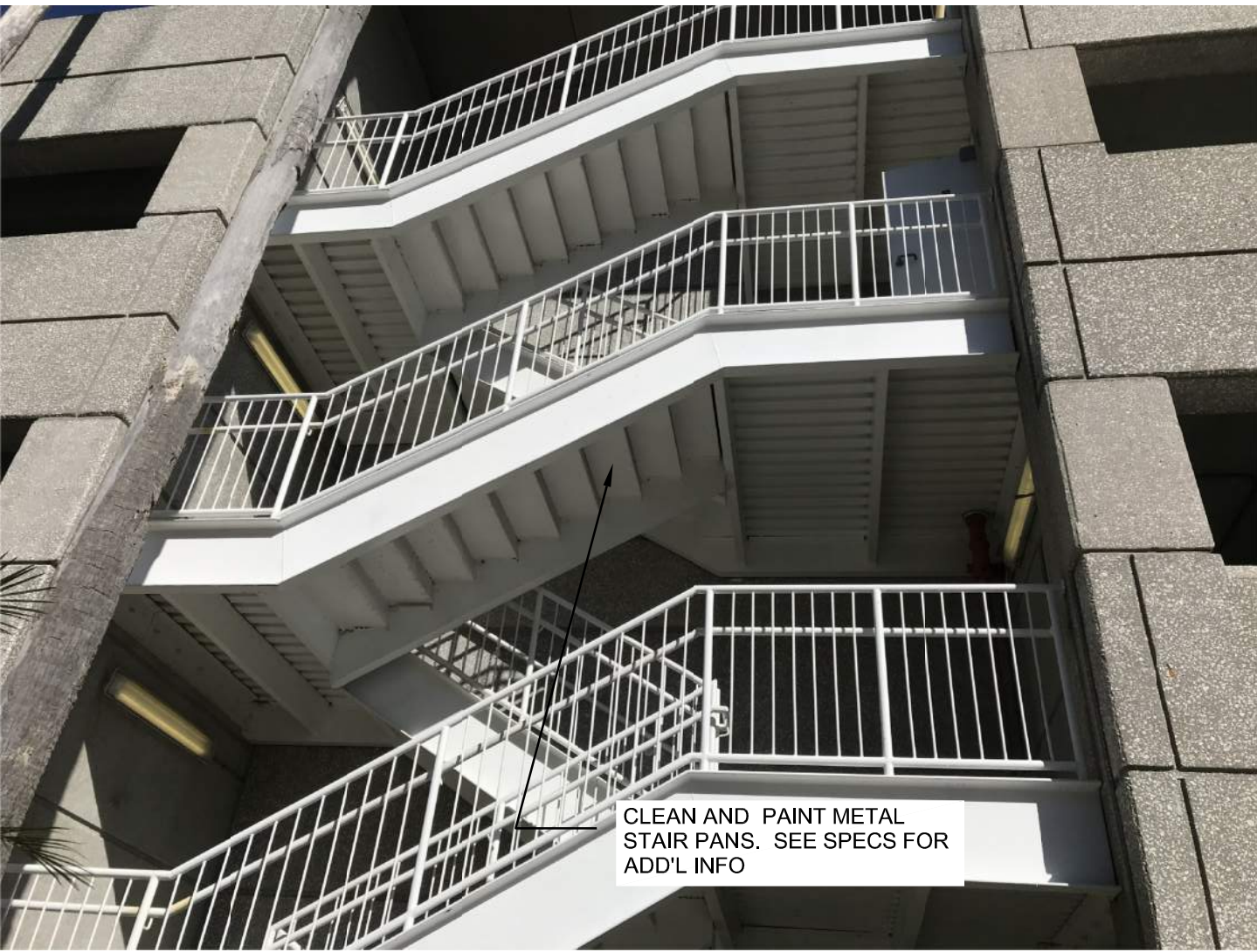
45.11



CLEAN AND PAINT STAIR
RAILINGS. SEE SPECS FOR
ADD'L INFO

CLEAN AND PAINT STAIR RAILINGS

45.12



CLEAN AND PAINT METAL
STAIR PANS. SEE SPECS FOR
ADD'L INFO

CLEAN AND PAINT METAL
STAIR PANS. SEE SPECS FOR
ADD'L INFO

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RECORD DRAWINGS					CITY OF CLEARWATER, FLORIDA MUNICIPAL PARKING GARAGE REHABILITATION 640 PIERCE STREET CLEARWATER, FL 33756	REPAIR_DETAILS	DWG NAME: FIELD BOOK: SURVEYED BY: SCALE: VERT. _____			
SURVEYED BY: _____	DRAWN BY: _____						CONTRACT NO. 18-0032-EN	DATE DRAWN: 09-10-2021	DRAWN BY: MCB	HORIZ. _____
REVIEWED BY: _____							JOB NO. 15-002554.00	DESIGNED BY: BSS	CHECKED BY: MPD	SHEET NO. 11 OF 19
PROJECT ENGINEER _____	DATE _____									
APPROVED BY: _____	DATE _____									
		REVISION	BY	DATE						

MARK	SIZE		TEXT/MESSAGE	SIGN TYPE	BACKGROUND COLOR	LETTERS/SYMBOLS		MOUNTING		QUANTITY
	W	L				H	COLOR	DETAIL	HT.	
S1	1'-0"	8'-0"	Entrance	V	BLACK	8"	WHITE	1/R601	11'-0"	3 EACH
S2	1'-0"	8'-0"	Exit Only	V	BLACK	8"	WHITE	1/R601	11'-0"	4 EACH
S3	8"Ø	10'-0"	⊘ Do Not Enter ⊘	PVC	BLACK	6"	WHITE	3/R601	8'-2"	4 EACH
S4	8"Ø	10'-0"	8'-2" Clearance 8'-2"	PVC	BLACK	6"	RED	3/R601	8'-2"	4 EACH
S5	1'-0"	4'-0"	Ⓟ Park ➞	V	GREEN	6"	WHITE	1/R601	7'-4"	1 EACH
S6	1'-0"	4'-0"	Ⓢ Out ➞	V	GREEN	6"	WHITE	1/R601	7'-4"	1 EACH
S7	2'-6"	2'-6"	DO NOT ENTER	R	BLACK		WHITE		7'-4"	R5-1

SIGNAGE GENERAL NOTES

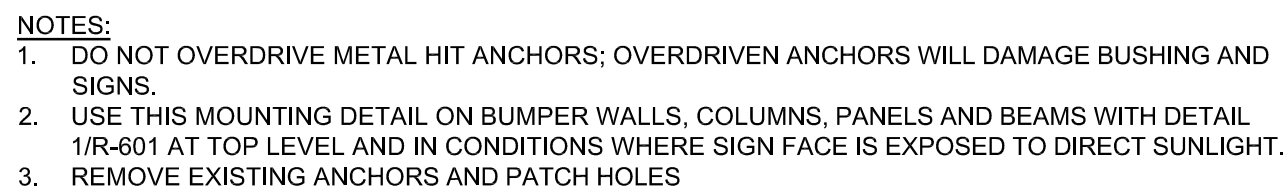
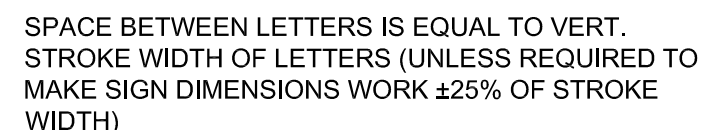
- LETTERFORMS SHALL BE HELVETICA MEDIUM, OF SIZE AS SHOWN ON SIGN SCHEDULE, UNLESS NOTED. UPPER AND LOWER CASE SHALL BE USED ON ALL DIRECTIONAL TRAFFIC AND PEDESTRIAN SIGNS, UNLESS NOTED.
- SIGN CONTRACTOR SHALL REVIEW SIGN LOCATIONS PRIOR TO INSTALLATION WITH ENGINEER TO COORDINATE WITH LIGHTING SYSTEM. SIGN AND LIGHT LOCATIONS PER SPECIFICATIONS.
- SIGNS SHALL BE MOUNTED LEVEL AND PLUMB, UNLESS NOTED.
- MAXIMUM BOLT INSERT EMBEDMENT LENGTH 1-1/4", UNLESS NOTED.
- DO NOT SCALE DRAWINGS.
- BACKS AND EDGES OF ALL ALUMINUM SIGNS MOUNTED DIRECTLY TO STRUCTURE SHALL BE PAINTED WHITE TO PREVENT CATHODIC REACTION.
- SEE SHEETS R101 THRU R104 FOR SIGN SIGN LOCATIONS
- REFLECTIVE GRAPHICS AND COPY COLORS ARE 3M. ALL NON-REFLECTIVE COLORS ARE PANTONE OR EQUAL TO SHERWIN WILLIAM.

SIGN TYPES LEGEND

MARK	TYPE
V	VEHICULAR (REFLECTIVE)
PP	PEDESTRIAN PANEL
PS	PEDESTRIAN
PVC	SUPERGRAPHICS
PVC	CLEARANCE
R	REGULATORY

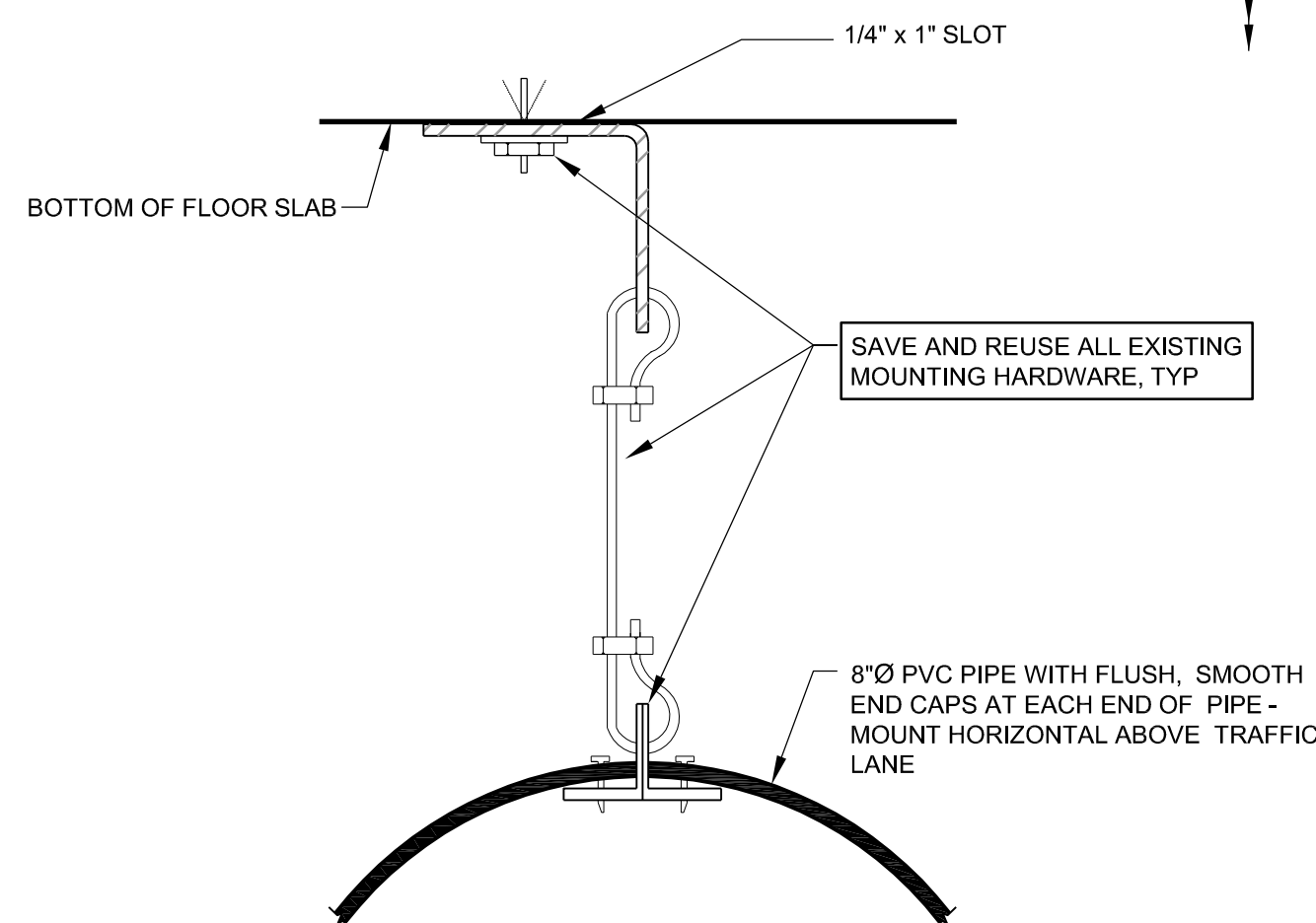
1. LETTERFORMS SHALL BE HELVETICA MEDIUM, OF SIZE AS SHOWN ON SIGN SCHEDULE, UNLESS NOTED. UPPER AND LOWER CASE SHALL BE USED ON ALL DIRECTIONAL TRAFFIC AND PEDESTRIAN SIGNS, UNLESS NOTED.
2. SIGN CONTRACTOR SHALL REVIEW SIGN LOCATIONS PRIOR TO INSTALLATION WITH ENGINEER TO COORDINATE WITH LIGHTING SYSTEM. SIGN AND LIGHT LOCATIONS PER SPECIFICATIONS.
3. SIGNS SHALL BE MOUNTED LEVEL AND PLUMB, UNLESS NOTED.
4. MAXIMUM BOLT INSERT EMBEDMENT LENGTH 1-1/4", UNLESS NOTED.
5. DO NOT SCALE DRAWINGS.
6. BACKS AND EDGES OF ALL ALUMINUM SIGNS MOUNTED DIRECTLY TO STRUCTURE SHALL BE PAINTED WHITE TO PREVENT CATHODIC REACTION.
7. SEE SHEETS R101 THRU R104 FOR SIGN SIGN LOCATIONS
8. REFLECTIVE GRAPHICS AND COPY COLORS ARE 3M. ALL NON-REFLECTIVE COLORS ARE PANTONE OR EQUAL TO SHERWIN WILLIAM.

<u>MARK</u>	<u>TYPE</u>
V -	VEHICULAR (REFLECTIVE)
PP -	PEDESTRIAN PANEL
PS -	PEDESTRIAN
PVC-	SUPERGRAPHICS
	PVC CLEARANCE
R-	REGULATORY



2 SIGN MOUNTING DETAIL

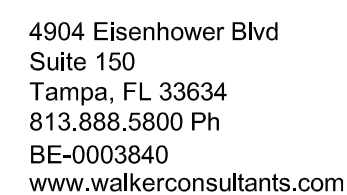
1 SIGN MOUNTING DETAIL



3 SIGN DETAIL

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640 PIERCE STREET
CLEARWATER, FL 33756

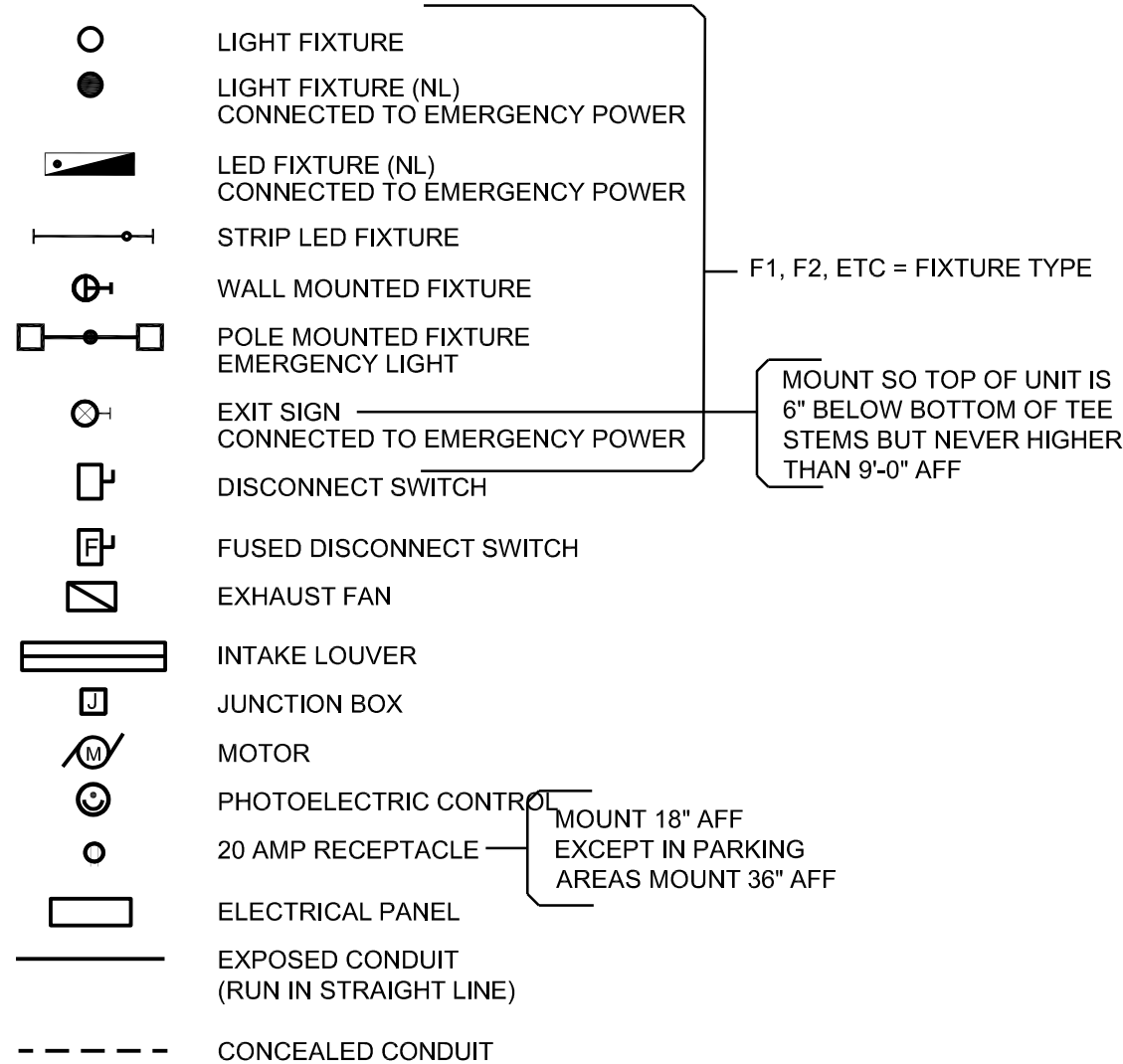
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FL PE : 83178



LIGHT FIXTURE SCHEDULE

TYPE	MOUNTING	LAMP	MANUFACTURER	CATALOG NUMBER	REMARKS
F1	TRUNNION MOUNT	LED	CREE LITHONIA COOPER	IG-NM-5S-J-40K-UL-WH-SWC-NS-IG-PDWH VCPG-LED-V4-P4-40K-80CRI-T5M-MVOLT-YK-NLTAIR2-PIR924-DWHXD-SF TT-D4-74D-U-WQ-TMB-NW-ZW-SWPD4-F	TYPICAL TIER LIGHT FIXTURE. U.L. LISTED FOR WET LOCATIONS, TAMPERPROOF FUSED, 277V, (66W, 0.24A); FIXTURES TO HAVE WIRELESS CONTROLS, OCCUPANCY SENSOR/PHOTOCELL. LIGHT FIXTURES TO DIM DOWN WHEN MOTION NOT DETECTED FOR 10 MIN. ALL FIXTURES PER LEVEL TO COME UP AT THE SAME TIME.
F2	POLE MOUNT	LED	CREE COOPER LITHONIA	OSQ-A-NM-5SQ-U-40K-U-BZ-OSQ-DABZ-F GLEON-SA4C-74D-U-5WQ-BZ-F DSX1-LED-P9-40K-T5M-MVOLT-SPUMBA-NLTAIR2-PIRHN-DDBXD	TOP TIER LIGHT FIXTURE. U.L. LISTED FOR WET LOCATIONS, 277V, FUSED, (241W, 0.87A), MOUNT FIXTURE TO NEW POLE. FIXTURES TO HAVE INTEGRAL PHOTOCELL FOR ON/OFF. NEW POLES TO BE SQUARE STRAIGHT STEEL HINGED POLES, 20 FT, GALVANIZED INSIDE AND OUT. VALMONT. DSF10-400F200-PL-GV-FPGV-DB-FBC-AB OR EQUAL. PROVIDE ONE LOWER DEVICE FOR THE JOB.
F3	WALL ARM MOUNT	LED	CREE COOPER LITHONIA	XSPW-B-WM-3ME-6L-40K-UL-BZ AXCL6A DSXW1-LED-10C-53D-40K-T3M-MVOLT-PIR-DDBXD	STAIR TOWER/ENTRANCE LIGHT FIXTURE. U.L. LISTED FOR WET LOCATIONS, 277V, (56W, 0.20A), FUSED, WITH INTEGRAL PHOTOCELL TO TURN FIXTURES ON/OFF, WITH WALL MOUNTING ARM. BRONZE FINISH.
F4	WALL SURFACE MOUNT	LED	FAIL-SAFE COLUMBIA LITHONIA	HVSL4-4-LD4-2HI-40-UNV-O-EDC1-WL LXEP4-40XL-DFA-EDU-SSL CSVT-L48-6000LM-MVOLT-40K-80CRI-NLTAIR2-RSBOR10	STAIR TOWER/ELEVATOR LOBBY LIGHT FIXTURE. VANDAL RESISTANT, FUSED, 277V, (102W, 0.37A), U.L. LISTED FOR WET LOCATIONS. PROVIDE (2) TAMPER-PROOF TOOLS. PROVIDE INTEGRAL PHOTOCELL TO TURN FIXTURES ON/OFF.
F5	WALL MOUNT	LED	LITHONIA COOPER COLUMBIA	LV-S-WB-1-R-277-WL-CD (FUSED) LPXW-6-1-R-WH SEWL-S-R-W	SINGLE FACE L.E.D. EXIT SIGN WITH SIDE CONDUIT ENTRY. FUSED, 277V, VANDAL RESISTANT WITH TWO (2) TAMPERPROOF TOOLS W/ARROWS AS INDICATED ON DRAWINGS. U.L. LISTED FOR WET LOCATIONS.
F7	CEILING SURFACE MOUNT OR SUSPENDED	LED	LITHONIA COLUMBIA METALUX	ZL1N-L48-7000LM-FST-MVOLT-40K-80CRI-WH MPS-4-40-MLHE-F-W-E-U 4-SNLED-74HL-LN-UNV-L840	GENERAL PURPOSE 4'-0" LENGTH UTILITY LIGHT FIXTURE. 277V, (52W, 0.27A), U.L. LISTED.
F7A	CEILING SURFACE MOUNT OR SUSPENDED	LED	LITHONIA COLUMBIA METALUX	ZL1N-L48-7000LM-FST-MVOLT-40K-80CRI-WH-E15WLCP-WH MPS-4-40-MLHE-F-W-E-U-ELL14 4-SNLED-74HL-LN-UNV-L840-EL14W	GENERAL PURPOSE 4'-0" LENGTH UTILITY LIGHT FIXTURE. 277V, (52W, 0.27A), WITH SELF CONTAINED EMERGENCY LIGHTING PACK. U.L. LISTED.

ELECTRICAL SYMBOLS



ELECTRICAL ABBREVIATIONS

A OR AMP	AMPERE
AFF	ABOVE FINISHED FLOOR
ARCH	ARCHITECT (ARCHITECTURAL)
BB	BACKBOARD
CKT	CIRCUIT
C	CONDUIT
/C	CONDUCTOR
CIP	CAST IN PLACE
COMM	COMMUNICATIONS
CONC	CONCRETE
CWA	CONSTANT WATTAGE AUTO-TRANSFORMER
DET	DETAIL
DIA	DIAMETER
EJ	EXPANSION JOINT
GFIC	GROUND FAULT CIRCUIT INTERRUPTER
GRD	GROUND
GT, T2	TIER DESIGNATION: GROUND TIER, 2ND TIER, ETC.
JB	JUNCTION BOX
HP	HORSEPOWER
KVA	KILOVOLT-AMPERE
KW	KILOWATT
PH	PHASE
PNL	PANEL
RECEPT	RECEPTACLE
RIC	RIGID METAL CONDUIT
SHT	SHEET
SIM	SIMILAR
SW	SWITCH
TFA	TO FLOOR ABOVE
TFR	TO FLOOR BELOW
TRANS	TRANSFORMER
Typ	TYPICAL
UL	UNDERWRITER'S LABORATORIES
UNO	UNLESS NOTED OTHERWISE
V	VOLT
W	WATT
WP	WEATHERPROOF

GENERAL NOTES:

(APPLY TO ALL SHEETS)

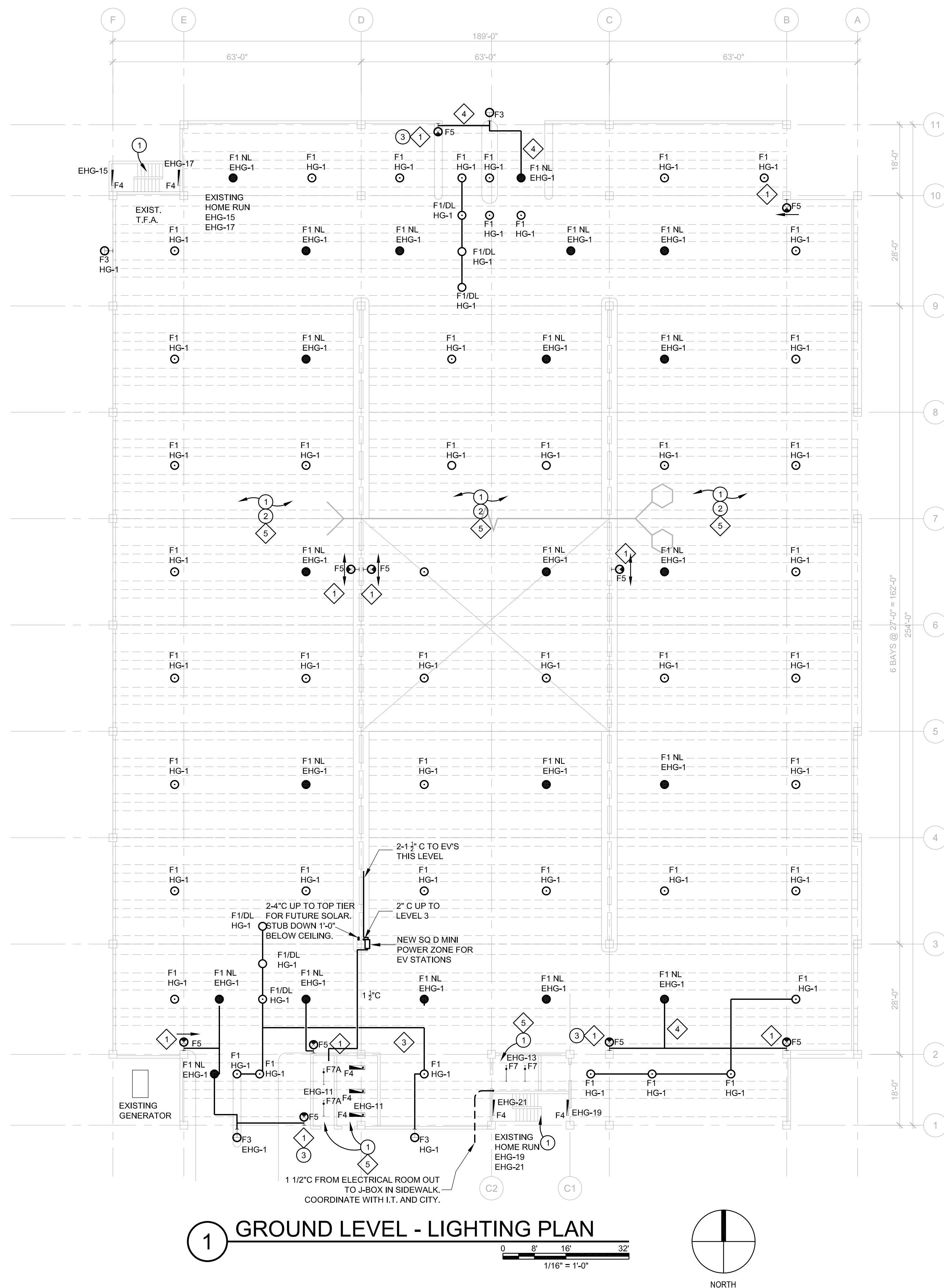
1. ALL FIXTURES ARE TYPE F1 UNLESS NOTED OTHERWISE. SEE FIXTURE MOUNTING DETAIL 2/E- 501. SEE LIGHT FIXTURE SCHEDULE ON THIS SHEET.
2. LIGHT FIXTURES AND CONDUITS ARE SHOWN IN REFLECTED CEILING ORIENTATION.
3. ALL CONDUITS SHALL CONTAIN A GREEN COLORED EQUIPMENT GROUNDING CONDUCTOR PROVIDING CONTINUITY TO ALL BOXES, DEVICES AND FIXTURES. LIGHT FIXTURE CONDUCTORS SHALL BE NO.10 THWY UNLESS NOTED OTHERWISE. ALL HOMERUN CONDUCTOR SIZES SHALL BE AS NOTED ON THE PANEL SCHEDULES. CONDUIT SIZING SHALL BE BASED ON USE OF THWY INSULATION AND NEC REQUIREMENTS.
4. ALL ABOVE GROUND CONDUIT SHALL BE SURFACE MOUNTED RIGID HOT DIPPED GALVANIZED STEEL WITH THREADED FITTINGS UTILIZING HOT DIPPED GALVANIZED, CAST, OR MALLEABLE IRON THREADED JUNCTION BOXES AND COVERS. ALL UNDERGROUND CONDUIT SHALL BE PVC MINIMUM CONDUIT SIZE IS 3/4" UNLESS NOTED OTHERWISE. USE SEAL TIGHT FLEXIBLE CONDUIT IN LENGTHS NO GREATER THAN 2'-0" TO CONNECTION TRUNNION MOUNTED FIXTURES TO JUNCTION BOXES. DO NOT INSTALL FLEXIBLE CONDUIT AT OTHER LOCATIONS WITHOUT WRITTEN APPROVAL OF ENGINEER.
5. ALL HORIZONTAL CONDUIT RUNS ARE TO BE ROUTED EXPOSED ALONG THE CEILING THRU BLOCK-OUTS IN TEES STEMS WHERE AVAILABLE. ALL VERTICAL CONDUIT RUNS SHALL BE ROUTED EXPOSED ALONG COLUMNS/WALLS IN PARKING AREAS. ALL EXPOSED CONDUIT MUST BE ROUTED UP TIGHT AGAINST THE CEILING, COLUMNS, TEES OR WALLS. NO GAPS WILL BE PERMITTED. (USING BLOCKOUTS OR OTHER STRUCTURAL MEMBERS AS A SOURCE OF SUPPORT IS PROHIBITED. ROUTING CONDUIT UNDER BEAMS WILL NOT BE PERMITTED.) CONDUIT SHALL NOT BE ROUTED BEHIND SIGNS, OR LOCATED SUCH A WAY THAT IT OBSTRUCTS THE OPERATION OF A DEVICE OR RESTRICTS OPENING AN ACCESS POINT, ENCLOSURE DOOR OR ANY OTHER PIECE OF EQUIPMENT.
6. PROVIDE CONDUIT EXPANSION FITTINGS FOR ALL CONDUIT THAT CROSS EXPANSION JOINT AT LOCATIONS REQUIRED.
7. THE USE OF POWDER PROPELLED FASTENERS FOR MOUNTING CONDUIT, SUPPORTS, JUNCTION BOXES, FIXTURES OR OTHER EQUIPMENT IS PROHIBITED. PROVIDE APPROVED, HOT DIPPED GALVANIZED STEEL GUARDS AROUND JUNCTION BOXES, CONDUITS AND OTHER EQUIPMENT WHICH MAY BE EXPOSED TO POSSIBLE BUMPER DAMAGE. SEE CONDUIT RISER GUARD DETAIL 3/E-501.
8. ILLUMINATE STAIR TOWERS AND LOBBIES WITH F4 FIXTURES LOCATED TO PROVIDE A MAINTAINED AVERAGE OF 10 FOOT CANDLES. ILLUMINATE MISCELLANEOUS UNFINISHED ROOMS WITH F7, F7A LED FIXTURES LOCATED TO PROVIDE AN AVERAGE OF 20 FOOT CANDLES.
9. LOCATE EXIT SIGNS AT EACH STAIR TOWER ON EACH LEVEL, AT ALL PEDESTRIAN EXITS AND AT OTHER LOCATIONS SHOWN ON PLANS.
10. CONDUITS ARE TO BE LOCATED IN THE GARAGE INTERIOR TO MINIMIZE VISUAL IMPACT. DO NOT ROUTE CONDUITS ON THE EXTERIOR OF ANY PART OF THE STRUCTURE. FIXTURES LOCATED ON THE EXTERIOR OF THE STRUCTURE ARE TO BE FED FROM BEHIND WITH NO CONDUIT VISIBLE FROM THE OUTSIDE. FIXTURES LOCATED ON BRICK (INSIDE OR OUTSIDE THE STRUCTURE) ARE TO BE FED FROM BEHIND WITH NO CONDUIT VISIBLE.
11. IN LOCATIONS WHERE LIGHT FIXTURES, EXIT SIGNS, OR OTHER PIECES OF EQUIPMENT NEED TO BE MOUNTED TO A COLUMN OR WALL OVER PIPING OR OTHER OBSTACLES, PROVIDE EXTENSION BRACKETS MADE OUT OF 1/4" HOT DIPPED GALVANIZED STEEL PLATES AS REQUIRED.
12. ELECTRICAL CONTRACTOR SHALL REMOVE EXISTING LIGHT FIXTURE AND CONTROL COMPONENTS AT LOCATIONS WHERE NEW FIXTURES ARE TO BE INSTALLED. ALL LIGHT FIXTURE ASSEMBLIES ARE TO BE REMOVED OFF SITE AND LAWFULLY DISPOSED BY THE CONTRACTOR. EXISTING FIXTURE ASSEMBLIES INCLUDE ALL COMPONENTS OF THE FIXTURE INCLUDING UPS AND DRIVERS. THE OWNER RESERVE THE FIRST RIGHT OF REFUSAL FOR ALL MATERIALS, LIGHT FIXTURES, CONDUIT, WIRE, JUNCTION BOXES, AND ALL OTHER EQUIPMENT OR MATERIAL TO BE REMOVED. ALL JUNCTION BOXES SHALL BE COVERED PER NEC REQUIREMENTS. ALL EXPOSED CONDUIT NOT USED SHALL BE REMOVED. THE CONTRACTOR IS TO DISPOSE OF ALL MATERIAL IN ACCORDANCE WITH ALL LOCAL AND STATE ORDINANCES AND LAWS AND GRANT REQUIREMENTS. SUBMIT DISPOSAL PROCESS TO OWNER/ENGINEER FOR REVIEW.
13. PROVIDE EMERGENCY LIGHTING AND SIGNAGE AS REQUIRED BY LOCAL CODES. ILLUMINATE AND IDENTIFY EGRESS PATHS. WIRING FROM EMERGENCY PANEL EHG TO EMERGENCY LIGHTING LOADS SHALL BE KEPT ENTIRELY INDEPENDENT OF ALL OTHER WIRING AND EQUIPMENT AND SHALL NOT ENTER THE SAME RACEWAY, CABLE, BOX OR CABINET WITH OTHER WIRING.
14. ELECTRICAL CONTRACTOR SHALL INSTALL ALL DEVICES, FIXTURES AND LIGHTING CONTROLS COMPONENTS, INCLUDING FURNISHING AND INSTALLING WIRING AND JUNCTION BOXES AS REQUIRED. ELECTRICAL CONTRACTOR IS TO LOCATE AND PROVIDE POWER FOR ANY LIGHTING CONTROLLER AS REQUIRED BY LIGHTING MANUFACTURER.
15. REUSE EXISTING CONDUIT WHEN POSSIBLE. PROVIDE A LINEAR FOOT ALLOWANCE FOR REPLACING ANY DAMAGED OR MISSING CONDUIT. ANY NEW CONDUIT TO MATCH EXISTING.

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RECORD DRAWINGS				CITY OF CLEARWATER, FLORIDA MUNICIPAL PARKING GARAGE REHABILITATION 640 PIERCE STREET CLEARWATER, FL 33756		LIGHT_FIXTURE_SCHEDULE ABBREVIATIONS_SYMBOLS GENERAL_NOTES	DWG NAME: _____ FIELD BOOK: _____ SURVEYED BY: _____ SCALE: _____ VERT. _____					
SURVEYED BY: _____	DRAWN BY: _____								CONTRACT NO.: 18-0032-EN	DATE DRAWN: 09-10-2021	DRAWN BY: JLE	HORIZ. _____
REVIEWED BY: _____									JOB NO.: 15-002554.00	DESIGNED BY: JLE	CHECKED BY: JL	SHEET NO.: 13 OF 19
PROJECT ENGINEER _____	DATE _____								APPROVED BY _____ DATE _____			
APPROVED BY: _____												
	DATE _____											
		REVISION	BY	DATE								



SHEET NOTES:

1. CONNECT EXIT SIGNS TO NEAREST EMERGENCY POWER CIRCUIT.
2. CONNECT NEW LIGHTS TO EXISTING ROOM CIRCUIT.
3. PROVIDE NEW CONDUIT TO MATCH EXISTING. TIE INTO NORMAL POWER.
4. PROVIDE NEW CONDUIT TO MATCH EXISTING. TIE INTO EMERGENCY POWER.
5. CONNECTS LIGHTS TO NEW CIRCUIT AS SHOWN. RUN NEW WIRES FROM ELECTRICAL ROOM TO LIGHTS.
6. NEW LIGHT POLE.

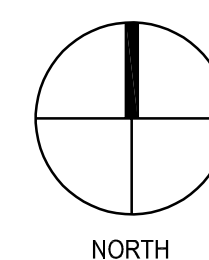
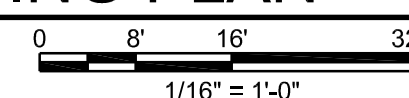
DEMOLITION NOTES: (

1. REMOVE EXISTING LIGHT FIXTURES AND RETURN TO OWNER.
2. LIGHTING CHANGING FROM 480V TO 277V. REMOVE ALL WIRES BACK TO ELECTRICAL ROOM.
3. REMOVE EXISTING EXIT SIGN AND REPLACE WITH NEW ONE.
4. REMOVE EXISTING EMERGENCY LIGHTING UNIT, ALONG WITH ASSOCIATED CONDUIT AND WIRE.

GENERAL NOTES:

1. EXISTING LIGHTING TO BE REPLACED WITH LED.
2. LIGHTING CHANGING FROM 480V TO 277V.
3. REROUTE CONDUIT AS REQUIRED TO MATCH NEW CIRCUITING. MATCH EXISTING CONDUIT SIZE AND TYPE.
4. EXISTING JUNCTION BOXES ARE NOT SHOWN. PROVIDE NEW JUNCTION BOXES ARE REQUIRED.
5. ELECTRICAL AND ELEVATOR MACHINE ROOMS WILL HAVE NEW LIGHTING CIRCUITS.
6. MAINTAIN INTEGRITY OF EXISTING LIGHTNING PROTECTION SYSTEM WHILE DOING WORK. REPAIR ANY DAMAGES MADE DURING WORK.
7. MECHANICAL ROOM ON LEVEL 2-4 TO KEEP THE EXISTING LIGHTING CIRCUIT.

1 GROUND LEVEL - LIGHTING PLAN

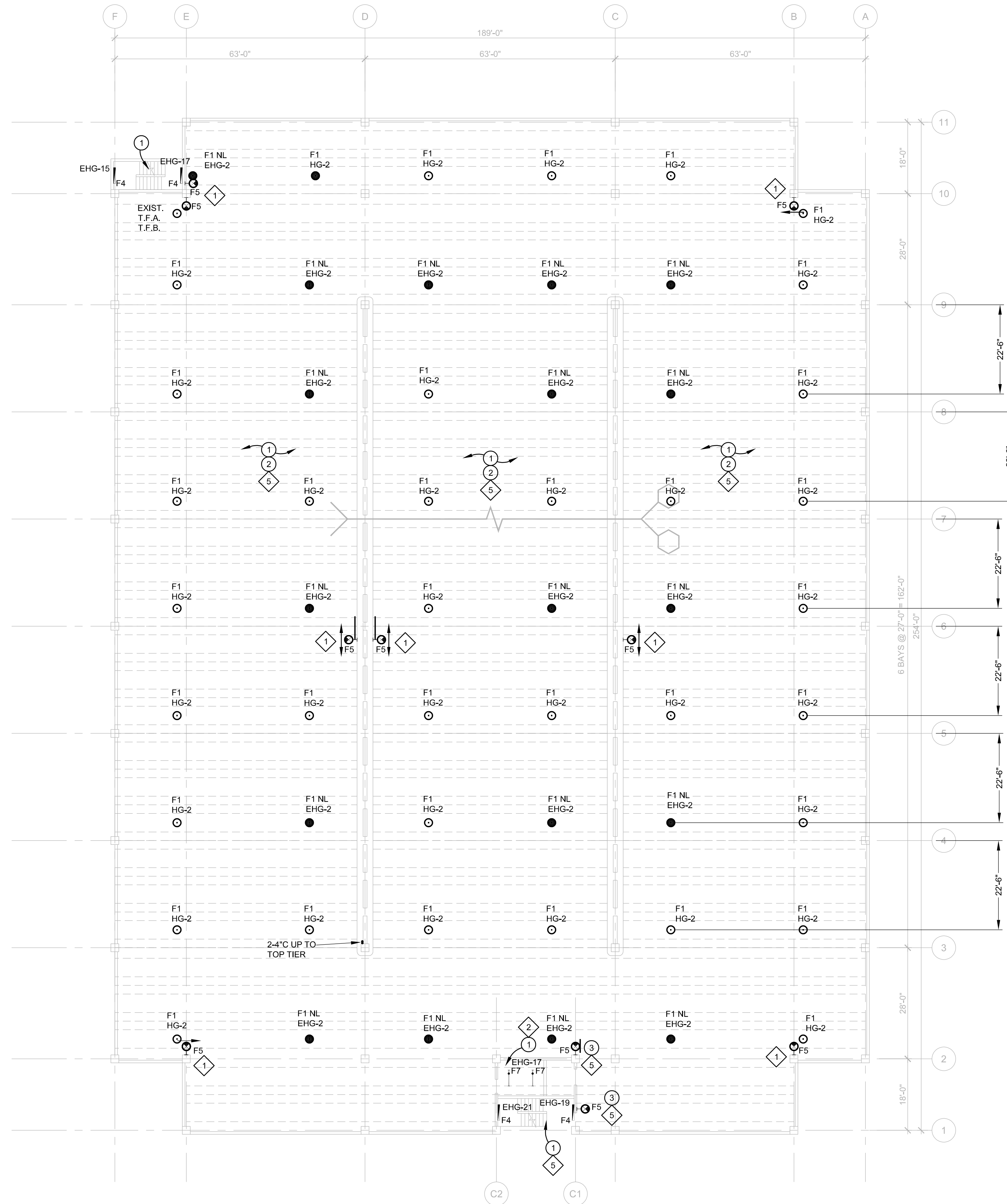


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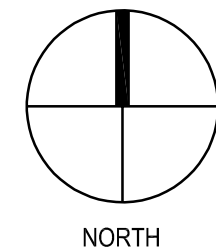
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1 LEVEL TWO - LIGHTING PLAN

0 8' 16' 32'

1/16" = 1'-0"



SHEET NOTES:

1. CONNECT EXIT SIGNS TO NEAREST EMERGENCY POWER CIRCUIT.
2. CONNECT NEW LIGHTS TO EXISTING ROOM CIRCUIT.
3. PROVIDE NEW CONDUIT TO MATCH EXISTING. TIE INTO NORMAL POWER.
4. PROVIDE NEW CONDUIT TO MATCH EXISTING. TIE INTO EMERGENCY POWER
5. CONNECTS LIGHTS TO NEW CIRCUIT AS SHOWN. RUN NEW WIRES FROM ELECTRICAL ROOM TO LIGHTS.
6. NEW LIGHT POLE.

DEMOLITION NOTES:

1. REMOVE EXISTING LIGHT FIXTURES AND RETURN TO OWNER.
2. LIGHTING CHANGING FROM 480V TO 277V. REMOVE ALL WIRES BACK TO ELECTRICAL ROOM.
3. REMOVE EXISTING EXIT SIGN AND REPLACE WITH NEW ONE.
4. REMOVE EXISTING EMERGENCY LIGHTING UNIT, ALONG WITH ASSOCIATED CONDUIT AND WIRE.

GENERAL NOTES:

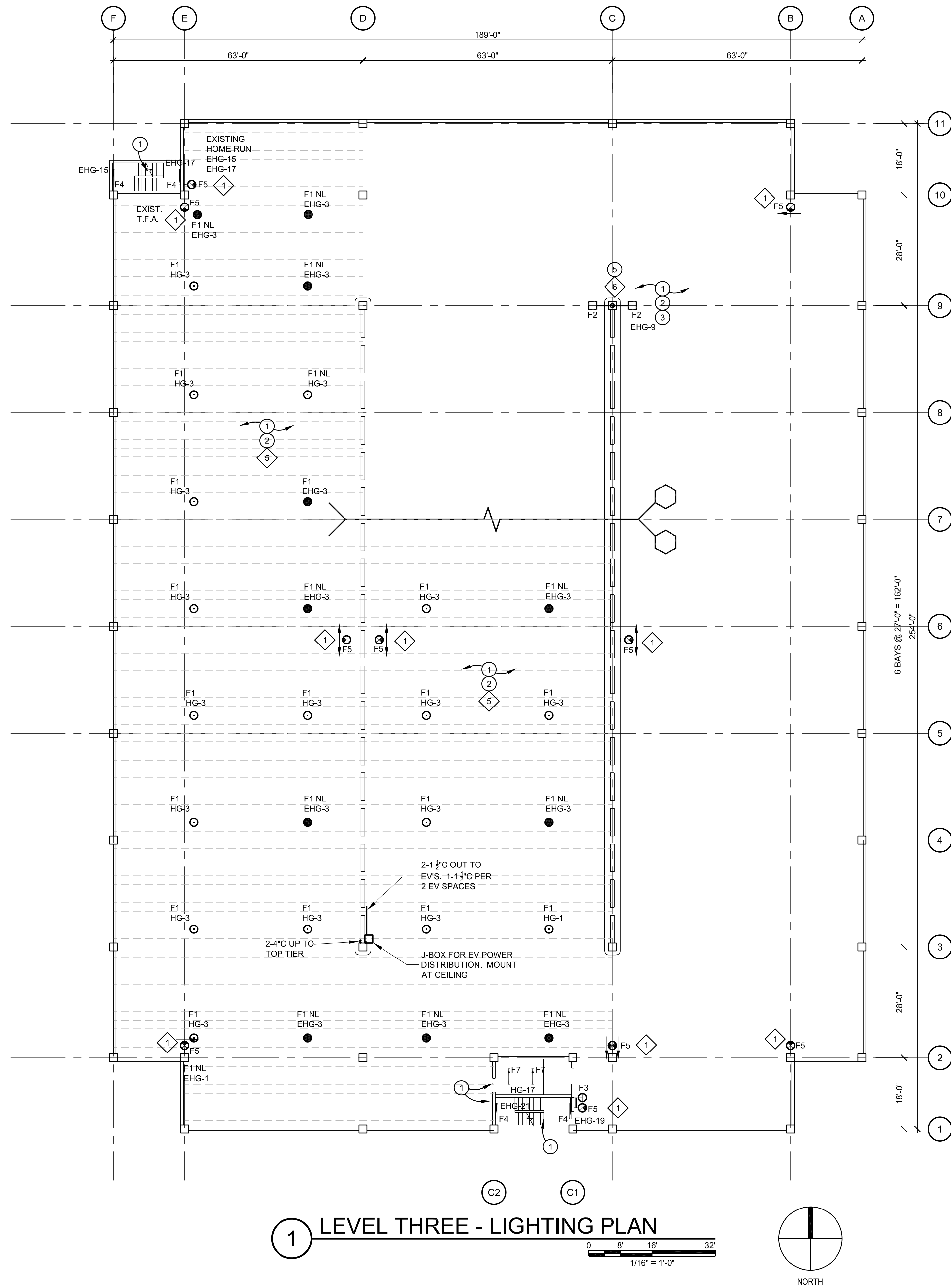
1. EXISTING LIGHTING TO BE REPLACED WITH LED.
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4. EXISTING JUNCTION BOXES ARE NOT SHOWN. PROVIDE NEW JUNCTION BOXES ARE REQUIRED.
5. ELECTRICAL AND ELEVATOR MACHINE ROOMS WILL HAVE NEW LIGHTING CIRCUITS.
6. MAINTAIN INTEGRITY OF EXISTING LIGHTNING PROTECTION SYSTEM WHILE DOING WORK. REPAIR ANY DAMAGES MADE DURING WORK.
7. MECHANICAL ROOM ON LEVEL 2-4 TO KEEP THE EXISTING LIGHTING CIRCUIT.

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RECORD DRAWINGS					CITY OF CLEARWATER, FLORIDA MUNICIPAL PARKING GARAGE REHABILITATION 640 PIERCE STREET CLEARWATER, FL 33756	LEVEL TWO LIGHTING PLAN	DWG NAME:	FIELD BOOK:	SURVEYED BY:	SCALE:
SURVEYED BY:	DRAWN BY:						CONTRACT NO.: 18-0032-EN	DATE DRAWN: 09-10-2021	DRAWN BY: JLE	VERT.:
REVIEWED BY:							JOB NO.: 15-002554.00	DESIGNED BY: JLE	CHECKED BY: JL	HORIZ. SHEET NO.: 15 OF 19
APPROVED BY:							APPROVED BY		DATE	
					REVISION	BY	DATE			



SHEET NOTES:

- CONNECT EXIT SIGNS TO NEAREST EMERGENCY POWER CIRCUIT.
- CONNECT NEW LIGHTS TO EXISTING ROOM CIRCUIT.
- PROVIDE NEW CONDUIT TO MATCH EXISTING. TIE INTO NORMAL POWER.
- PROVIDE NEW CONDUIT TO MATCH EXISTING. TIE INTO EMERGENCY POWER.
- CONNECTS LIGHTS TO NEW CIRCUIT AS SHOWN. RUN NEW WIRES FROM ELECTRICAL ROOM TO LIGHTS.
- NEW LIGHT POLE.

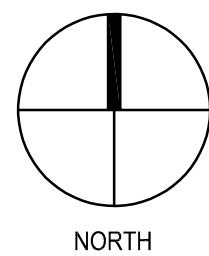
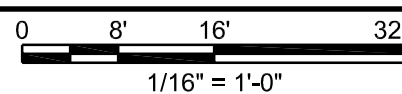
DEMOLITION NOTES:

- REMOVE EXISTING LIGHT FIXTURES AND RETURN TO OWNER.
- LIGHTING CHANGING FROM 480V TO 277V. REMOVE ALL WIRES BACK TO ELECTRICAL ROOM.
- REMOVE EXISTING EXIT SIGN AND REPLACE WITH NEW ONE.
- REMOVE EXISTING EMERGENCY LIGHTING UNIT, ALONG WITH ASSOCIATED CONDUIT AND WIRE.
- REMOVE EXISTING LIGHT POLE. RETURN TO OWNER.

GENERAL NOTES:

- EXISTING LIGHTING TO BE REPLACED WITH LED.
- LIGHTING CHANGING FROM 480V TO 277V.
- REROUTE CONDUIT AS REQUIRED TO MATCH NEW CIRCUITING. MATCH EXISTING CONDUIT SIZE AND TYPE.
- EXISTING JUNCTION BOXES ARE NOT SHOWN. PROVIDE NEW JUNCTION BOXES ARE REQUIRED.
- ELECTRICAL AND ELEVATOR MACHINE ROOMS WILL HAVE NEW LIGHTING CIRCUITS.
- MAINTAIN INTEGRITY OF EXISTING LIGHTNING PROTECTION SYSTEM WHILE DOING WORK. REPAIR ANY DAMAGES MADE DURING WORK.
- MECHANICAL ROOM ON LEVEL 2-4 TO KEEP THE EXISTING LIGHTING CIRCUIT.

1 LEVEL THREE - LIGHTING PLAN



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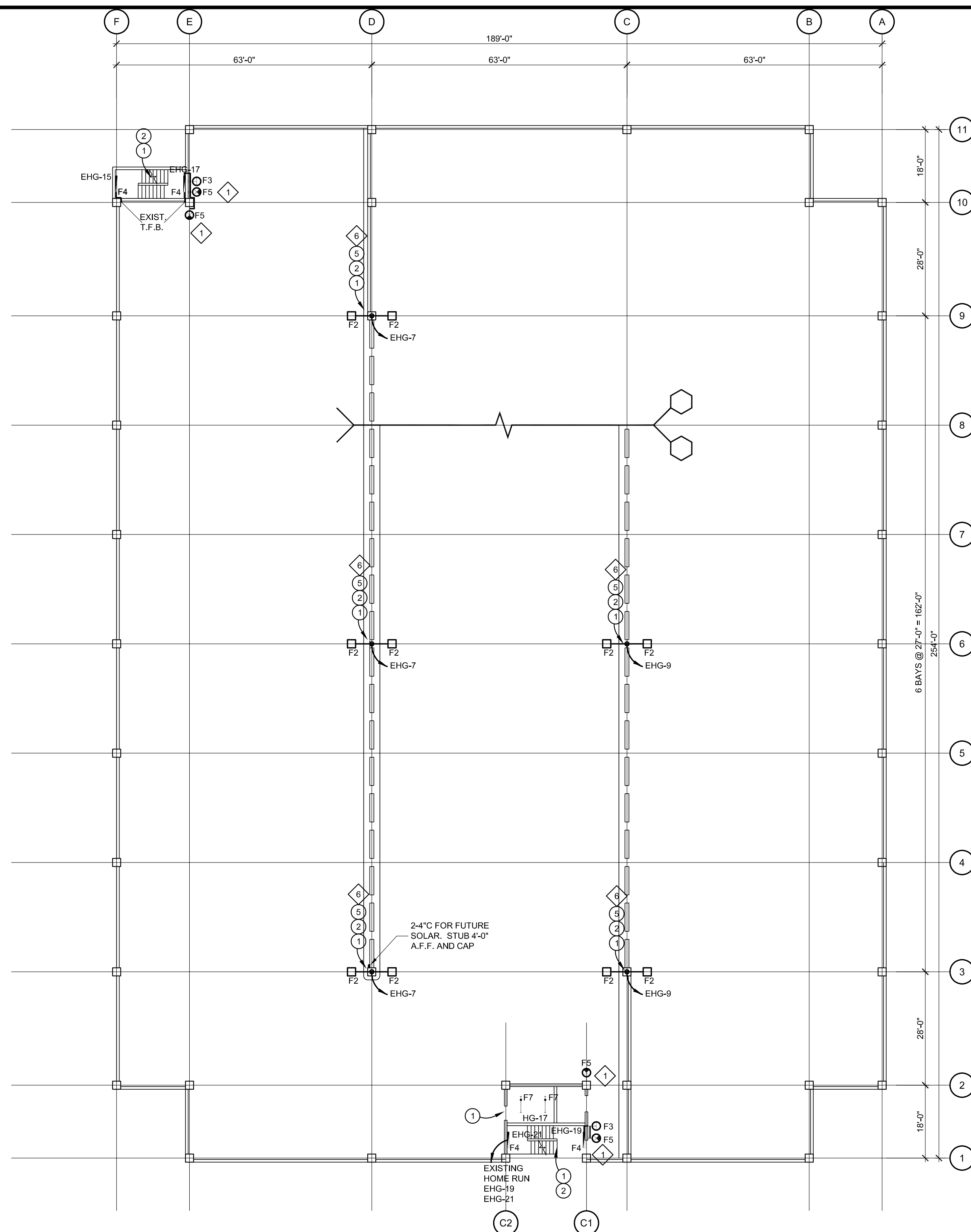
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RECORD DRAWINGS				
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REVIEWED BY:				
PROJECT ENGINEER	DATE			
APPROVED BY:	DATE			
		REVISION	BY	DATE

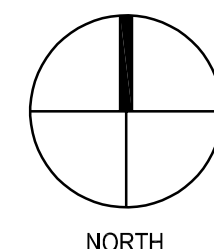
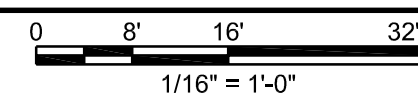
CITY OF CLEARWATER, FLORIDA
MUNICIPAL PARKING GARAGE REHABILITATION
640 PIERCE STREET
CLEARWATER, FL 33756

LEVEL_THREE
LIGHTING_PLAN

DWG NAME:	FIELD BOOK:	SURVEYED BY:	SCALE:
CONTRACT NO.: 18-0032-EN	DATE DRAWN: 09-10-2021	DRAWN BY: JLE	VERT. _____
JOB NO.: 15-002554.00	DESIGNED BY: JLE	CHECKED BY: JL	HORIZ. _____
APPROVED BY:			SHEET NO. 16 OF 19
			DATE _____



1 LEVEL FOUR - LIGHTING PLAN



NORTH

SHEET NOTES:

1. CONNECT EXIT SIGNS TO NEAREST EMERGENCY POWER CIRCUIT.
2. CONNECT NEW LIGHTS TO EXISTING ROOM CIRCUIT.
3. PROVIDE NEW CONDUIT TO MATCH EXISTING. TIE INTO NORMAL POWER.
4. PROVIDE NEW CONDUIT TO MATCH EXISTING. TIE INTO EMERGENCY POWER
5. CONNECTS LIGHTS TO NEW CIRCUIT AS SHOWN. RUN NEW WIRES FROM ELECTRICAL ROOM TO LIGHTS.
6. NEW LIGHT POLE.

DEMOLITION NOTES: ○

1. REMOVE EXISTING LIGHT FIXTURES AND RETURN TO OWNER.
2. LIGHTING CHANGING FROM 480V TO 277V. REMOVE ALL WIRES BACK TO ELECTRICAL ROOM.
3. REMOVE EXISTING EXIT SIGN AND REPLACE WITH NEW ONE.
4. REMOVE EXISTING EMERGENCY LIGHTING UNIT, ALONG WITH ASSOCIATED CONDUIT AND WIRE.
5. REMOVE EXISTING LIGHT POLE. RETURN TO OWNER.

GENERAL NOTES:

1. EXISTING LIGHTING TO BE REPLACED WITH LED.
2. LIGHTING CHANGING FROM 480V TO 277V.
3. REROUTE CONDUIT AS REQUIRED TO MATCH NEW CIRCUITING. MATCH EXISTING CONDUIT SIZE AND TYPE.
4. EXISTING JUNCTION BOXES ARE NOT SHOWN. PROVIDE NEW JUNCTION BOXES ARE REQUIRED.
5. ELECTRICAL AND ELEVATOR MACHINE ROOMS WILL HAVE NEW LIGHTING CIRCUITS.
6. MAINTAIN INTEGRITY OF EXISTING LIGHTNING PROTECTION SYSTEM WHILE DOING WORK. REPAIR ANY DAMAGES MADE DURING WORK.
7. MECHANICAL ROOM ON LEVEL 2-4 TO KEEP THE EXISTING LIGHTING CIRCUIT

RECORD DRAWINGS			
SURVEYED BY:	DRAWN BY:		
REVIEWED BY:			
PROJECT ENGINEER	DATE		
APPROVED BY:	DATE	REVISION	BY DATE

CITY OF CLEARWATER, FLORIDA
MUNICIPAL PARKING GARAGE REHABILITATION
640 PIERCE STREET
CLEARWATER, FL 33756

LEVEL_FOUR
LIGHTING_PLAN

DWG NAME:	FIELD BOOK:	SURVEYED BY:	SCALES:
CONTRACT NO.:	DATE DRAWN:	DRAWN BY:	VERT.
18-0032-EN	09-10-2021	JLE	HORIZ.
JOB NO.:	DESIGNED BY:	CHECKED BY:	SHEET NO.:
15-002554.00	JLE	JL	17 OF 19
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EXISTING LIGHTING AND POWER PANEL BOARD , "EHG" 225 AMP MLO										EXISTING LOADS										15-002554-00										CLEAR WATER MUNICIPAL														
SIEMENS																																												
VOLTS--> 480 277 AMPS-- 225																																												
CT. NO.	LOCATION/DESCRIPTION/ QUANTITY		WATTS	WIRE SIZE	C.B. AMP	A	B	C	C.B. AMP	WIRE SIZE	WATTS	LOCATION/DESCRIPTION/ QUANTITY		CT. NO.																														
1	LIGHTING 1ST FLOOR (ESTIMATED EXISTING LOAD)		525	10	20	2	-----	-----	20			SHUNT TRIP		2																														
3			525				2	-----	20			PE PHOTO CELL		4																														
5	LIGHTING 2ND FLOOR (ESTIMATED EXISTING LOAD)		525	8	20	-----	-----	9			2105	EF-G6		6																														
7			525			9	-----	-----	20	12	2105			8																														
9	LIGHTING 3RD FLOOR (ESTIMATED EXISTING LOAD)		300	8	20	-----	9	-----			2105	EF-G6		10																														
11			300			-----	-----	9			2105			12																														
13	LIGHTING ROOF		900	8	20	-----	11	-----	20	12	2105	EF-G6		14																														
15			900			-----	11	-----			2105			16																														
17	LIGHTING NW STAIR		1000	10	20	-----	-----	4			220	LIGHTING 1ST FLOOR		18																														
19	LIGHTING S STAIR		1000	10	20	4	-----	-----	20	10	220			20																														
21	SPARE				20	-----	0	-----	20			SPACE		22																														
23	SPACE					-----	-----	0						24																														
25	SPARE					2	-----	-----			500	FIRE PUMP		26																														
27				30	-----	2	-----	15	12	500	28																																	
29					-----	-----	2			500	30																																	
31	EFG5				20	0	-----	-----				SPACE		32																														
33					20	-----	0	-----	30					34																														
35	SPACE					-----	-----	0						36																														
37	TVSS					34	-----	-----			9420	ELEVATOR		38																														
39				10	30	-----	34	-----	50	6	9420			40																														
41						-----	-----	34			9420			42																														
P--PADLOCK ATTACHMENT L--LOCK ON ATTACHMENT						A	B	C													TOTAL KILOWATTS:										49													
TOTAL WATTS PER PHASE:						17300	15855	16175													TOTAL AMPS:										59													
TOTAL AMPS PER PHASE:						62	57	58																																				

EXISTING LIGHTING AND POWER PANEL , "HG" 400 AMP MLOREVISED LOADS										15-002554-00 CLEAR WATER MUNICIPAL									
VOLTS--> 480 Y/277V AMPS--> 400																			
CT. NO.	LOCATION/DESCRIPTION/ QUANTITY	WATTS	WIRE SIZE	C.B. AMP	A	B	C	C.B. AMP	WIRE SIZE	WATTS	LOCATION/DESCRIPTION/ QUANTITY	CT. NO.							
1	LTG FIRST FLOOR F1/44	2904	10	20	19	-----	-----	20	10	2310	LIGHTING AC101,2,3,4 - EXISTING	2							
3	LTG SECOND FLOOR F1/35	2310	10	20	-----	18	-----	20	12	2700	LIGHTING AC105 - EXISTING	4							
5	LTG THIRD FLOOR F1/17	1122	10	20	-----	-----	39	50	6	9695	AHU-G1 - EXISTING	6							
7	SPARE			20	35	-----	-----			9695		8							
9	SPARE			20	-----	35	-----			9695		10							
11	SPARE			20	-----	-----	21			5900		12							
13	SPARE			20	21	-----	-----	35	8	5900	CU-GA1 - EXISTING	14							
15	SPARE			20	-----	21	-----			5900		16							
17	LIGHTING MECH. RM F7/6	432		20	-----	-----	23	35	8	5900	CU-G1B - EXISTING	18							
19	SPARE			20	21	-----	-----			5900		20							
21				-----	21	-----	5900			22									
23	SPARE			20	-----	-----	0			20				SPARE	24				
25	PE PHOTO EYE - EXISTING			20	0	-----	-----	20			SPARE	26							
27	SPARE			20	-----	0	-----	20			SPARE	28							
29	SPARE			20	-----	-----	0	20			SPARE	30							
31	SPACE			15	0	-----	-----	20			SPACE	32							
33					-----	25	-----	40	8	6840	TR-G2 - EXISTING	34							
35					-----	-----	25			6840		36							
37						81	-----	-----			22545			38					
39	TVSS			10	30	-----	82	-----	110	1	22745	TR-G1 - EXISTING	40						
41						-----	-----	73			20193		42						
P--PADLOCK ATTACHMENT L--LOCK ON ATTACHMENT					A B C														
TOTAL WATTS PER PHASE:					49254 56090 50082										TOTAL KILOWATTS: 155				
TOTAL WATTS PER PHASE:					178 202 181										TOTAL AMPS: 16				