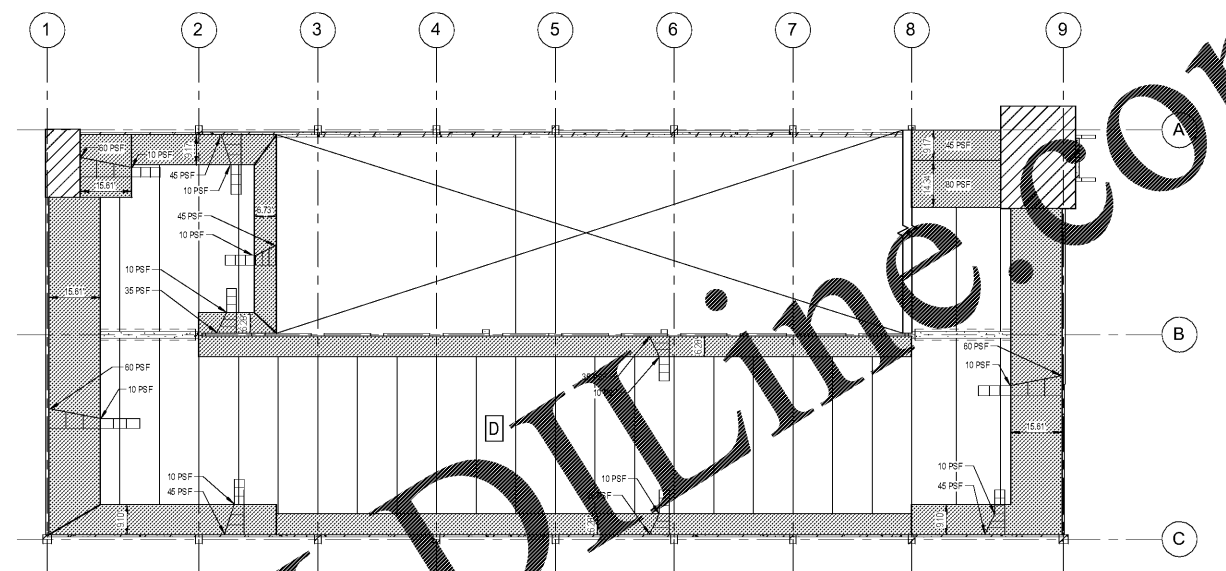
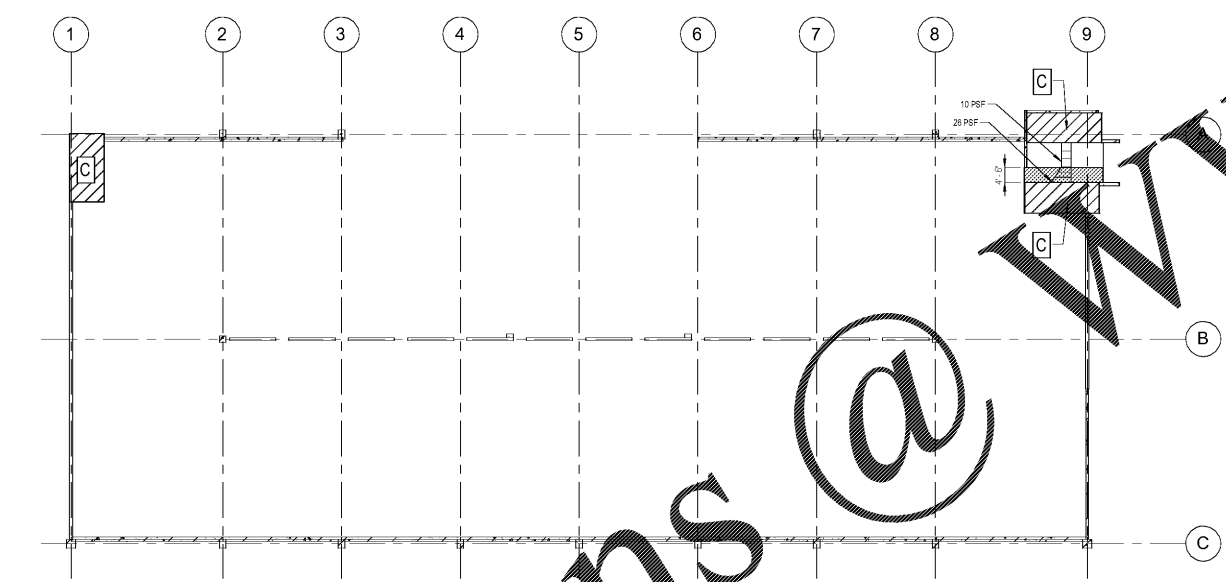


1 LEVEL 2 LOAD MAP
SCALE 3/8" = 1'-0"



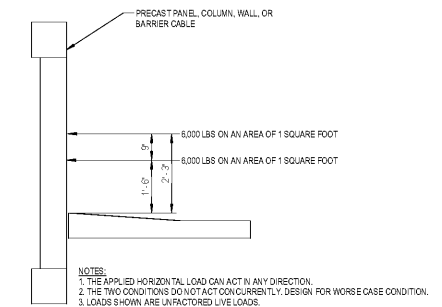
2 LEVEL 3 LOAD MAP
SCALE 3/8" = 1'-0"



3 ROOF LOAD MAP
SCALE 3/8" = 1'-0"

FOUNDATION REACTION TABLE				
GRID LOCATION	SERVICE LEVEL ANKL LOAD			
	DEAD LOAD (KIP)	LIVE LOAD (KIP)	SNOW LOAD (KIP)	TOTAL LOAD (KIP)
A-2	284	92	20	376
A-3	292	90	17	389
A-4	283	90	17	370
A-5	258	87	17	362
A-6	296	90	17	373
A-7	290	78	15	383
A-8	338	115	24	477
B-2	313	121	25	459
B-8	456	176	23	655
C-1	175	49	22	247
C-2	292	103	26	421
C-3	290	91	23	374
C-4	260	91	23	374
C-5	290	91	23	374
C-6	290	91	23	374
C-7	335	101	30	466
C-8	437	152	24	613
C-9	330	87	18	435

- DESIGN DATA**
- THE BUILDING STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2015 INTERNATIONAL BUILDING CODE.
- SEE LOAD MAPS FOR FLOOR LOADING CRITERIA.
- SNOW LOAD DESIGN DATA**
- GROUND SNOW LOAD (Pg) = 10 PSF
 - LOW SLOPE ROOF SNOW LOAD (Ps) = 10 PSF
 - SNOW EXPOSURE FACTOR (Ce) = 0.9
 - THERMAL FACTOR (Ct) = 1.0
 - SNOW LOAD IMPORTANCE FACTOR (Is) = 1.0
- WIND LOAD DESIGN DATA**
- BASIC WIND SPEED (3-SECOND GUST) = 115 MPH
 - WIND EXPOSURE = B
 - WIND DESIGN PRESSURE (P) VARIES WITH HEIGHT AND LOCATION
- EARTHQUAKE DESIGN DATA**
- SHORT PERIOD SPECTRAL RESPONSE (S1) = 1.289
 - 1-SECOND SPECTRAL RESPONSE (S1) = 0.364
 - SEISMIC IMPORTANCE FACTOR (I) = 1.0
 - OCCUPANCY CATEGORY = II
 - SEISMIC DESIGN CATEGORY = D
 - SITE CLASSIFICATION = D
 - SHORT PERIOD SPECTRAL RESPONSE COEFFICIENT (SD1) = 0.89
 - 1-SECOND SPECTRAL RESPONSE COEFFICIENT (SD1) = 0.399
 - BASIS: STRUCTURAL SYSTEM / SEISMIC RESISTIVE SYSTEM: INTERMEDIATE PRECAST GIRDER WALLS ANALYSIS PROCEDURE UTILIZES EQUIVALENT LATERAL FORCE PROCEDURE
 - RESPONSE MODIFICATION COEFFICIENT (R) = 4.0
 - SEISMIC RESPONSE COEFFICIENT (AFTER VERTICAL EXPANSION): EAST-WEST (OS) = 0.182 NORTH-SOUTH (CS) = 0.215



4 TYPICAL PRECAST PANEL VEHICLE BARRIER LOADING DIAGRAM
SCALE 1/2" = 1'-0"

FLOOR LOAD SCHEDULE						
MARK	OCCUPANCY USE	SDL		LL		SL
		DEAD LOAD (PSF)	DESCRIPTION	POINT LOAD (LBS)	DESCRIPTION	
A	TYP FLOOR	5	NOTE 1	-	-	40 (N/R)
B	STAIRS	5	NOTE 1	-	-	100 (N/R)
C	ROOF	5	NOTE 1	-	-	20
D	UPPER FLOOR	5	NOTE 1	-	-	40 (N/R)

NOTES:
1. SDL INDICATES SUPERIMPOSED DEAD LOAD AND IS DL IN ADDITION TO THE SELF WEIGHT OF THE PRIMARY STRUCTURAL SYSTEM.
2. (N/R) INDICATES NON-REDUCIBLE LIVE LOAD.

one eighth inch = one foot
one quarter inch = one foot
one half inch = one foot
three eighths inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot
four inches = one foot
five inches = one foot
six inches = one foot
seven inches = one foot
eight inches = one foot
nine inches = one foot
ten inches = one foot
eleven inches = one foot
twelve inches = one foot
thirteen inches = one foot
fourteen inches = one foot
fifteen inches = one foot
sixteen inches = one foot
seventeen inches = one foot
eighteen inches = one foot
nineteen inches = one foot
twenty inches = one foot
twenty one inches = one foot
twenty two inches = one foot
twenty three inches = one foot
twenty four inches = one foot
twenty five inches = one foot
twenty six inches = one foot
twenty seven inches = one foot
twenty eight inches = one foot
twenty nine inches = one foot
thirty inches = one foot
thirty one inches = one foot
thirty two inches = one foot
thirty three inches = one foot
thirty four inches = one foot
thirty five inches = one foot
thirty six inches = one foot
thirty seven inches = one foot
thirty eight inches = one foot
thirty nine inches = one foot
forty inches = one foot
forty one inches = one foot
forty two inches = one foot
forty three inches = one foot
forty four inches = one foot
forty five inches = one foot
forty six inches = one foot
forty seven inches = one foot
forty eight inches = one foot
forty nine inches = one foot
fifty inches = one foot
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fifty three inches = one foot
fifty four inches = one foot
fifty five inches = one foot
fifty six inches = one foot
fifty seven inches = one foot
fifty eight inches = one foot
fifty nine inches = one foot
sixty inches = one foot
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sixty two inches = one foot
sixty three inches = one foot
sixty four inches = one foot
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sixty six inches = one foot
sixty seven inches = one foot
sixty eight inches = one foot
sixty nine inches = one foot
seventy inches = one foot
seventy one inches = one foot
seventy two inches = one foot
seventy three inches = one foot
seventy four inches = one foot
seventy five inches = one foot
seventy six inches = one foot
seventy seven inches = one foot
seventy eight inches = one foot
seventy nine inches = one foot
eighty inches = one foot
eighty one inches = one foot
eighty two inches = one foot
eighty three inches = one foot
eighty four inches = one foot
eighty five inches = one foot
eighty six inches = one foot
eighty seven inches = one foot
eighty eight inches = one foot
eighty nine inches = one foot
ninety inches = one foot
ninety one inches = one foot
ninety two inches = one foot
ninety three inches = one foot
ninety four inches = one foot
ninety five inches = one foot
ninety six inches = one foot
ninety seven inches = one foot
ninety eight inches = one foot
ninety nine inches = one foot
one hundred inches = one foot

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BID SET

Drawing Title: LOAD MAPS
Project Title: CONSTRUCT PARKING GARAGE ON WEST LOT
Project Number: 15.1067
Building Number: [Blank]
Office of Facilities Management
Drawing Number: S1002
VA Project Number: 614-319
Date: 11/14/2016
Checked By: MAV
Drawn By: WJT