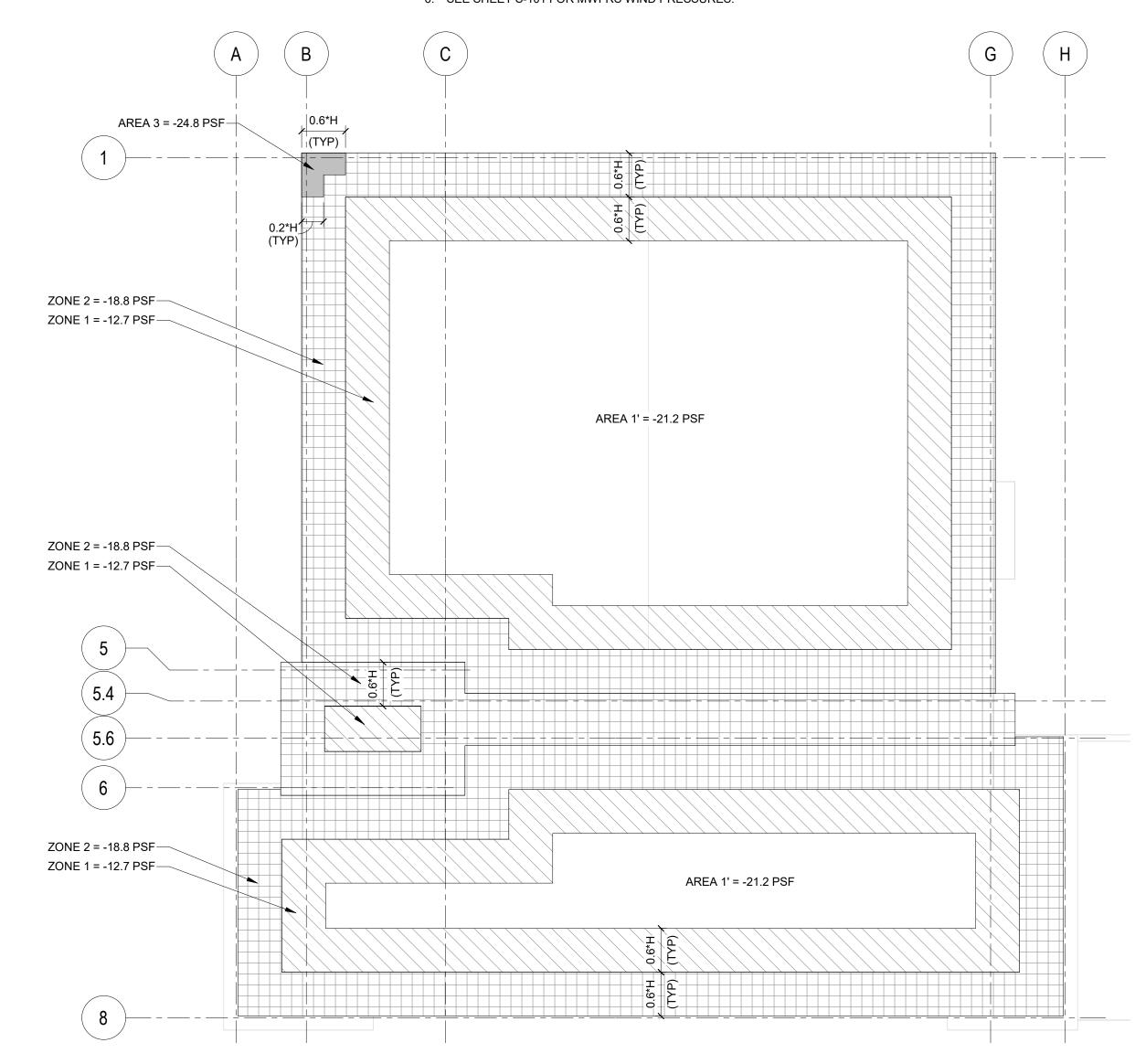


NOTES: 1. H = X' - X"

H = X' - X"
 GIRDERS ARE PART OF MAIN WIND FORCE RESISTING SYSTEM.
 SUSTAINED DEAD LOAD OF 8 PSF USED FOR NET UPLIFT.
 NO INCREASE IN ALLOWABLE STRESS IS PERMITTED.
 ALL LOADS ARE SERVICE LOADS (0.6Dmin+0.6W).
 SEE SHEET S-101 FOR MWFRS WIND PRESSURES.



S0.02 SCALE: 1" = 20'-0"

<u>NOTES:</u> 1. 0.2*H = X' - X"; 0.6*H = X' - X"

JOISTS ARE CONSIDERED COMPONENTS AND CLADDING.
 SUSTAINED DEAD LOAD OF 8 PSF USED FOR NET UPLIFT.

5. ALL LOADS ARE SERVICE LOADS (0.6Dmin+0.6W).6. SEE SHEET S-101 FOR COMPONENTS AND CLADDING WIND PRESSURES.

4. NO INCREASE IN ALLOWABLE STRESS IS PERMITTED.

GRAVITY LOADS:

SLAB ON GRADE LIVE LOAD	150 PSF
ROOF DEAD LOAD ROOF MEMBRANE AND INSULATION METAL DECK JOIST FRAMING SPRINKLERS DUCTS, LIGHTING, MISC TOTAL ROOF DEAD LOAD	6 PSF 2 PSF 3 PSF 1 PSF <u>7 PSF</u> 15 PSF
ROOF LIVE LOAD (REDUCIBLE)* *NOTE: COMBINED UNFACTORED DEAD LOAD	20 PSF* D + REDUCED ROOF LIVE

ROOF SNOW LOAD GROUND SNOW LOAD

LOAD SHALL BE 28 PSF MINIMUM

GROUND SNOW LOAD 5 PSF

FLAT SNOW LOAD 3.5 PSF (PLUS DRIFT)

MINIMUM SNOW 5 PSF

SNOW LOAD WITH RAIN ON SNOW SURCHARGE 8.5 PSF

ICE THICKNESS 1.0 INCH

DOWNWARD (POSITIVE) C&C WIND LOAD 16 PSF (ULTIMATE)

SPECIAL JOIST LOAD DIAGRAM NOTES:

1. RAIN LOAD DIAGRAM ONLY REQUIRED AT PARAPET CONDITION
2. ALL LOADS SHOWN ARE UNFACTORED
3. ALL CODE LOAD COMBINATIONS AND LIMIT STATES SHOULD BE

ALL CODE LOAD COMBINATIONS AND LIMIT STATES SHOULD BE ACCOUNTED FOR BY JOIST DESIGNER

SEISMIC LOADS

ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE FOR SEISMIC DESIGN OF BUILDINGS - IBC 2018 SECTION 1613/ASCE 7-16 SECTION 12.8

WIND LOADS:

ANALYSIS PROCEDURE:
ANALYTICAL METHOD - ASCE 7-10 DIRECTIONAL METHOD

ULTIMATE WIND SPEED (3-SECOND GUST)

NOMINAL WIND SPEED

RISK CATEGORY

WIND EXPOSURE

115 MPH (FIG. 1609.3 (1) - IBC 2018)

89 MPH (T.1609.3.1 - IBC 2018)

II (TABLE 1604.5 - IBC 2018)

C (SECT. 1609.4.3 - IBC 2018)

DESIGN FOR MAIN WIND-FORCE RESISTING SYSTEM (MWFRS) AND COMPONENTS AND CLADDING (C & C) BASED ON ULTIMATE WIND SPEED Vult = 115 MPH. WIND SPEED CONVERSION FOR NOMINAL DESIGN WIND SPEED BASED ON EQUATION 16-33 (IBC 2018).

Vasd = Vult x $\sqrt{0.6}$

INTERNAL PRESSURE COEFFICIENT +0.18/-0.18 (ENCLOSED)

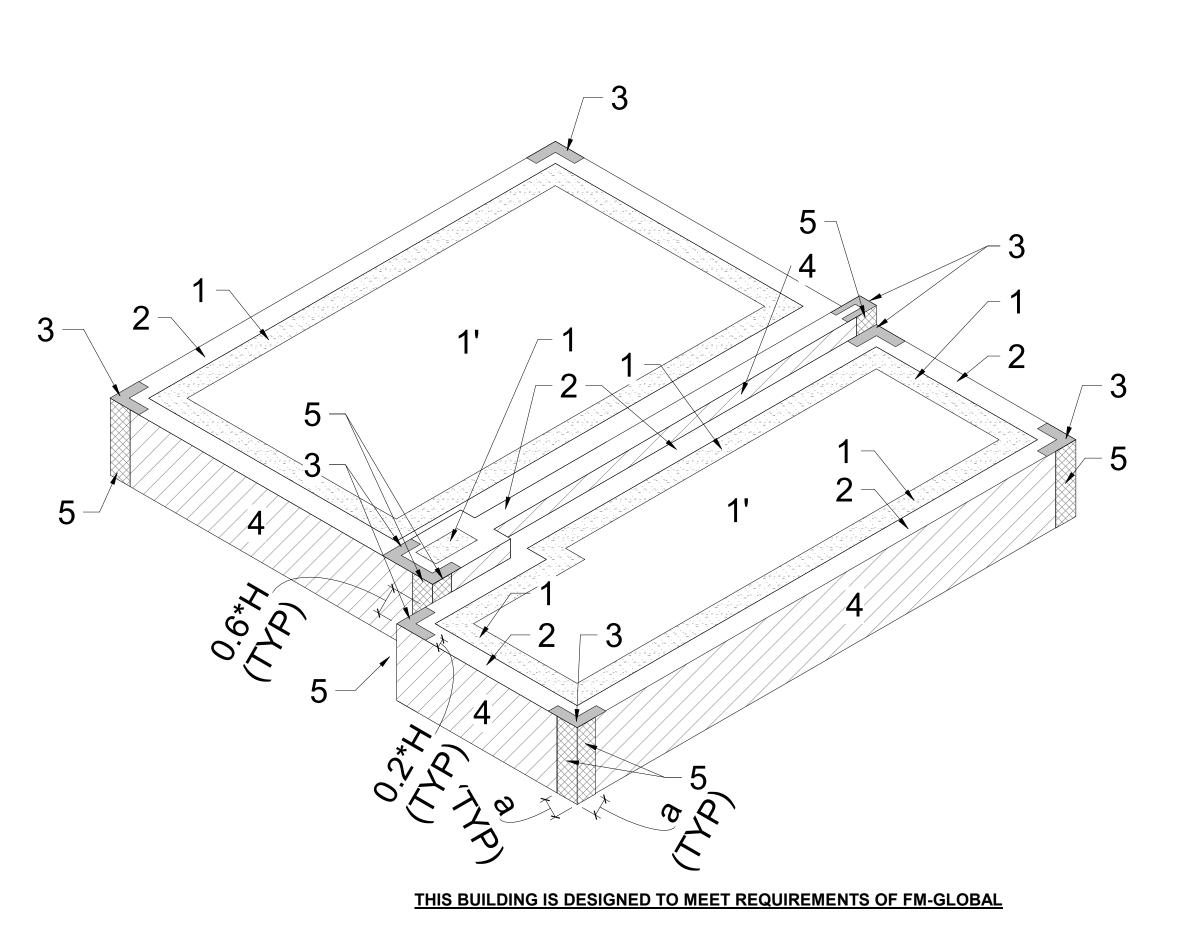
MAIN WIND FORCE RESISTING SYSTEM (ULTIMATE):

WALL (MWFRS - WINDWARD) WALL (MWFRS - LEEWARD)	+22.08 PSF -16.0 PSF
WALL (MWFRS - SIDE) ROOF (MWFRS - ZONE1*)	-19.90 PSF -24.26/+8.00 PSF
ROOF (MWFRS - ZONE2*) ROOF (MWFRS - ZONE3*)	-24.26/+8.00 PSF -15.53/+8.00 PSF
ROOF (MWFRS - ZONE4*)	-15.55/+6.00 PSF -11.17/+8.00 PSF

COEFFICIENTS AND PRESSURES (LRFD LOADS):

*ROOF ZONE1 IS APPLIED FOR HORIZONTAL DISTANCE OF 0 TO H/2 FROM WINDWARD EDGE *ROOF ZONE2 IS APPLIED FOR HORIZONTAL DISTANCE OF H/2 TO H FROM WINDWARD EDGE *ROOF ZONE3 IS APPLIED FOR HORIZONTAL DISTANCE OF H TO 2H FROM WINDWARD EDGE *ROOF ZONE4 IS APPLIED FOR HORIZONTAL DISTANCE OF > 2H FROM WINDWARD EDGE

a = 8' - 0" H = 20' - 0" 0.2*H = 4' - 0" 0.6*H = 12' - 0"



		DESIGNED SEISMIC RESISTANCE SYSTEMS			
		TRANSVERSE	LONGITUDINAL		
		STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE	STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE		
RESPONSE MODIFICATION FACTOR	R	3.0	3.0		
SYSTEM OVERSTRENGTH FACTOR	Ωο	3.0	3.0		
DEFLECTION AMPLIFCATION FACTOR	Cd	3.0	3.0		
SEISMIC RESPONSE COEFFICIENT	Cs	0.059	0.059		
SEISMIC BASE SHEAR, kips (ASD)	V	80	80		

BUILDING	LOCATION ON	WIND PRESSURE				
	BUILDING	<20 FT ²	<50 FT ²	<100 FT ²	<200 FT ²	
	FIELD [4]	-18.1/+16.7 PSF	-17.3/+16.0 PSF	-16.4/+15.0 PSF	-15.6/+14.2 PSF	
MAIN	CORNER [5]	-22.2/+16.7 PSF	-20.8/+16.0 PSF	-18.8/+15.0 PSF	-17.3/+14.2 PSF	

DI III DING	LOCATION ON	WIND PRESSURE					
BUILDING	BUILDING	BUILDING <20 FT ²		<100 FT ²	<200 FT ²		
	[1]	-29.0/+9.6 PSF	-27.1/+9.6 PSF	-24.6/+9.6 PSF	-22.7/+9.6 PSF		
BAAINI	[2]	-38.3/+9.6 PSF	-35.8/+9.6 PSF	-32.6/+9.6 PSF	-30.1/+9.6 PSF		
MAIN	[3]	-52.1/+9.6 PSF	-47.8/+9.6 PSF	-41.3/+9.6 PSF	-36.3/+9.6 PSF		
	[1"]	-16.7/+9.6 PSF	-16.7/+9.6 PSF	-16.7/+9.6 PSF	-16.7/+9.6 PSF		

POSITIVE/NEGATIVE WIND PRESSURE ON GLAZING AND WALL COMPONENT (ULTIMATE)

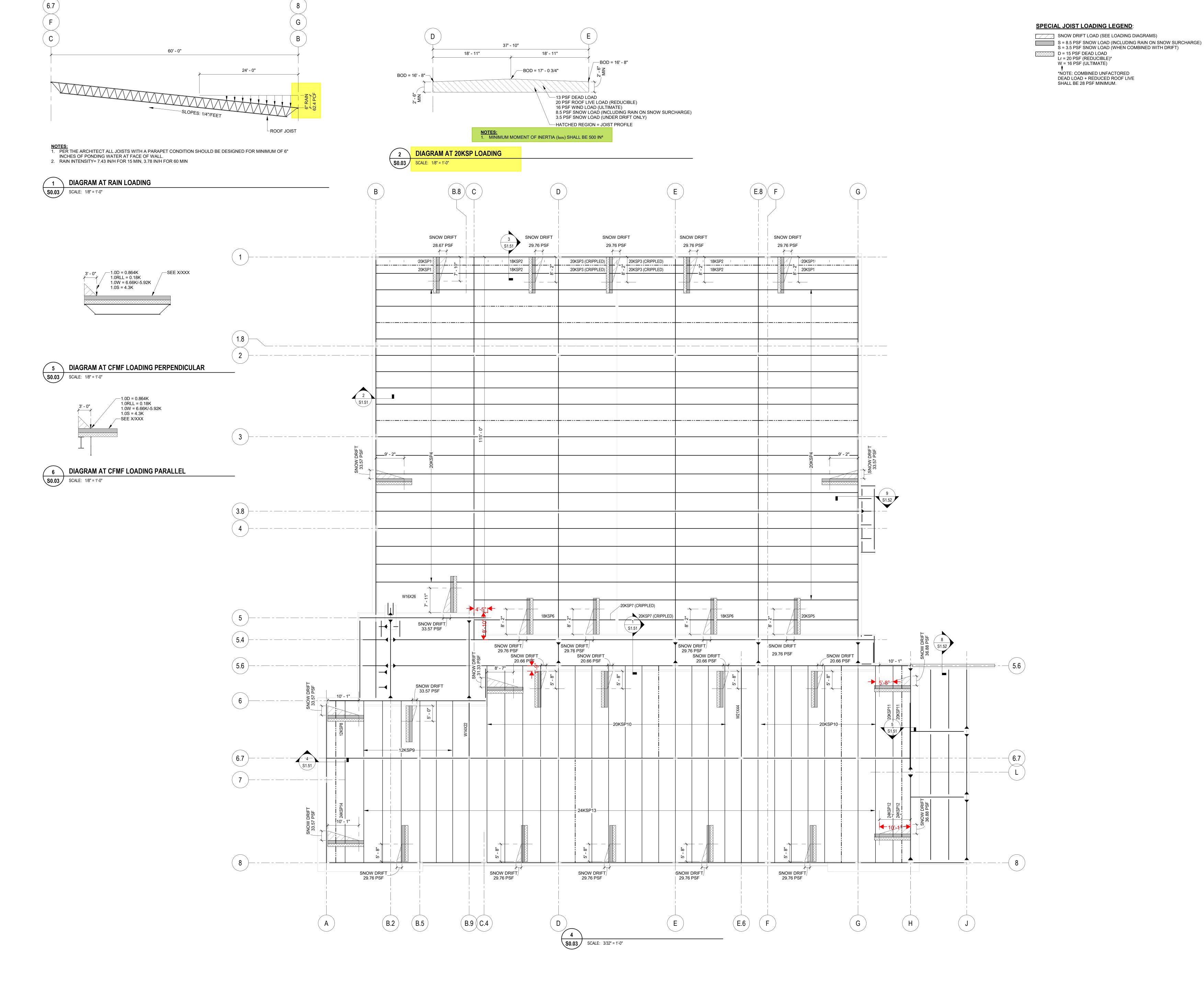
BUILDING	LOCATION ON		WIND PR	RESSURE	
BUILDING	BUILDING	<20 FT ²	<50 FT ²	<100 FT ²	<200 FT ²
MAIN	FIELD [4]	-30.1/+27.8 PSF	-28.9/+26.6 PSF	-27.2/+24.9 PSF	-26.0/+23.7 PSF
MAIN	CORNER [5]	-37.0/+27.8 PSF	-34.6/+26.6 PSF	-31.3/+24.9 PSF	-28.9/+23.7 PSF

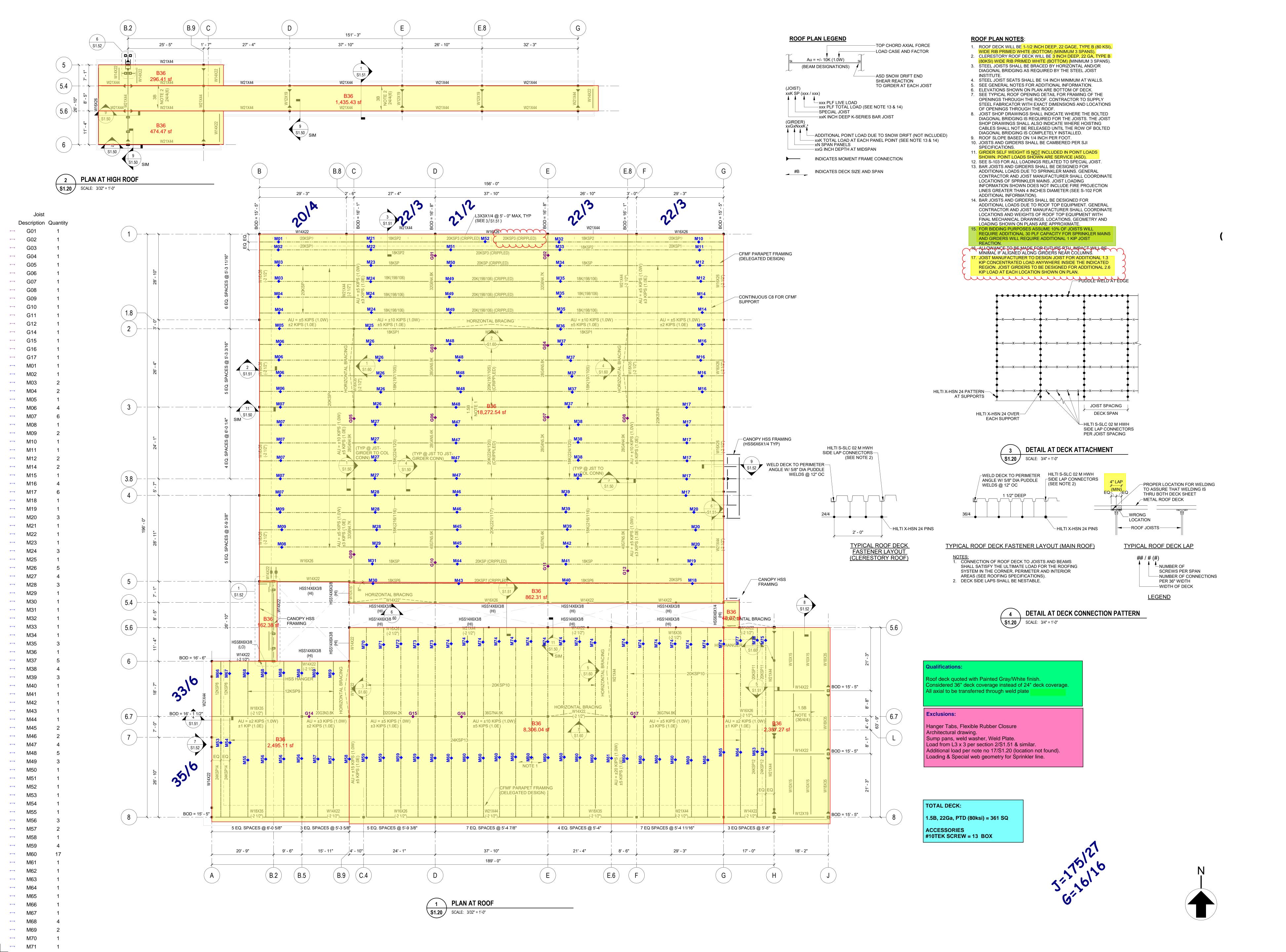
	ROOF WIND UPLIFT/DOWNWARD PRESSURES (ULTIMATE)										
BUILDING	LOCATION ON	WIND PRESSURE									
BUILDING	BUILDING	BUILDING <20 FT ²		<100 FT ²	<200 FT ²						
	[1]	-48.3/+16.0 PSF	-45.1/+16.0 PSF	-40.9/+16.0 PSF	-37.7/+16.0 PSF						
MAIN	[2]	-63.7/+16.0 PSF	-59.6/+16.0 PSF	-54.2/+16.0 PSF	-50.1/+16.0 PSF						
WAIN	[3]	-86.8/+16.0 PSF	-79.6/+16.0 PSF	-68.7/+16.0 PSF	-60.5/+16.0 PSF						
	[1"]	-27.8/+16.0 PSF	-27.8/+16.0 PSF	-27.8/+16.0 PSF	-27.8/+16.0 PSF						

	ROOF	DESIG	IN REG	UIREM	ENIS (I	PER FM	GLOBA	L)		
ROOF LEVEL	FM G	LOBAL U PRES	JPLIFT DI SURES	ESIGN	FM GLOBAL WIND RATING NEEDED				HEIGHT	
	ZONE 1' (PSF)	ZONE 1 (PSF)	ZONE 2 (PSF)	ZONE 3 (PSF)	ZONE 1' (PSF)	ZONE 1 (PSF)	ZONE 2 (PSF)	ZONE 3 (PSF)	h (FT)	
MAIN	19	34	45	45	1-60	1-75	1-105	1-105	20	
CLERESTORY	21	36	48	66	1-60	1-75	1-105	1-135	28	
WALL	DESIGN	I REQU	IREME	NTS (P	ER FM	GLOBA	L)			
AREA		LOCA	LOCATION		A (FT)		ZONE 4 (PSF)		ZONE 5 (PSF)	
WINDOW AND DOOR GLASS, DOOR OPENINGS, LOUVERS, ROLL-UP DOORS		´	MAIN 8		+21.5/-23.3		+21.5/-28.7			

NOTES:

- FM GLOBAL SPECIFIED WIND PRESSURES AND WIND RATINGS PER FM GLOBAL PLAN REVIEW:
 INDEX-REC NO: 100189.85-01 ACCOUNT NO: 01-07044
- ACCOUNT NO: 01-07044 DATE: MARCH 7, 2022
- 2. DESIGNER IS TO COMPARE ALLOWABLE PRESSURES FROM THE ASCE 7-10 TABLE AND THE FM GLOBAL TABLES AND DESIGN FOR THE WORST CASE.
- 3. SAFETY FACTOR HAS NOT BEEN APPLIED.





JOISTS

NOTES :			0		
II DEFI	L/240	TI DEFI	IOIST SPACING	0	

DWG	MARK	QTY	BCX	DEPTH	LOAD	SPAN	SPACE	NU PSF	TCX L	TCX R	COMMENTS
	M01	1		20K		31'-9"	2.666	14			1, 2, 3
	M02	1		20K		31'-9"	4	14			3, 4, 5
	M03	2		20K		31'-9"	5.33	14			6, 7, 8
	M04	2		20K		31'-9"	5.33	7.9			9, 6, 7
	M05	1	1	20K		31'-9"	5.33	7.9			10, 6, 7, 11
	M06	4		20K		31'-9"	5.33	7.9			6, 7, 11
	M07	6	3	20K		31'-9"	6	7.9			11, 12, 13
	M08	1		20K		31'-9"	5.75	14			15, 16
	M09	2		20K		31'-9"	5.75	7.9			15, 16, 9
	M10	1		20K		32'-3"	2.666	14			1, 2, 3
	M11	1		20K		32'-3"	4	14			3, 4, 5
	M12	2		20K		32'-3"	5.33	14			6, 7, 8
	M14	2		20K		32'-3"	5.33	7.9			9, 6, 7
	M15	1	1	20K		32'-3"	5.33	7.9			10, 6, 7, 11
	M16	4		20K		32'-3"	5.33	7.9			6, 7, 11
	M17	6	2	20K		32'-3"	6	7.9			11, 12, 13
	M18	1		20K		32'-3"	7.5	14			17, 18
	M19	1		20K		32'-3"	6.25	14			20, 21
	M20	3		20K		32'-3"	5.75	7.9			15, 16, 9
	M21	1		18K		27'-4"	2.66	14			19, 22
	M22	1		18K		27'-4"	4	14			23, 24
	M23	1		18K		27'-4"	5.33	14			25
	M24	3		18K		27'-4"	5.33	7.9			26
	M25	1	1	18K		27'-4"	5.33	16.4			26, 27
	M26	5	1	18K		27'-4"	5.33	16.4			28
	M27	4	1	18K		27'-4"	6	16.4			29
	M28	3	_	18K	_	27'-4"	5.75	7.9	_		30, 31
	TOTAL	61	10								

JOISTS

NOTES : _			0		
LL DEFL	L/240	TL DEFL	JOIST SPACING	0	_

DWG	MARK	QTY	BCX	DEPTH	LOAD	SPAN	SPACE	NU PSF	TCX L	TCX R	COMMENTS
	M29	1		18K		27'-4"	5.75	7.9			30
	M30	1		18K		27'-4"	7.5	14			32
	M31	1		18K		27'-4"	6.125	14			33, 34
	M32	1		18K		26'-10"	2.66	14			19, 22
	M33	1		18K		26'-10"	4	14			23, 24
	M34	1		18K		26'-10"	5.33	14			25
	M35	3		18K		26'-10"	5.33	7.9			26
	M36	1	1	18K		26'-10"	5.33	16.4			26, 27
	M37	5	1	18K		26'-10"	5.33	16.4			28
	M38	4	1	18K		26'-10"	6	16.4			29
	M39	3		18K		26'-10"	5.75	7.9			30
	M40	1		18K		26'-10"	7.5	14			34
	M41	1		18K		26'-10"	6.125	14			35
	M42	1		18K		26'-10"	5.75	7.9			30
	M43	1		20K		37'-10"	7.5	7.9			36, 34
	M44	1		20K		37'-10"	6.125	14			35, 36, 72
	M45	2		20K		37'-10"	5.75	7.9			37, 36
	M46	2		20K		37'-10"	5.75	16.4			36, 37, 72
	M47	4	1	20K		37'-10"	6	16.4			29, 36, 72
	M48	5	1	20K		37'-10"	5.33	16.4			28, 36, 72
	M49	3		20K		37'-10"	5.33	7.9			26, 36, 72
	M50	1		20K		37'-10"	5.33	14			25, 36, 72
	M51	1		20K		37'-10"	4	14			23, 24, 36, 72
_	M52	1		20K		37'-10"	2.66	14			19, 22, 36, 72
						1					
	TOTAL	46	5	'		-	•	•			

JOISTS

NOTES:)

LL DEFL L/240 TL DEFL JOIST SPACING 0

DWG	MARK	QTY	BCX	DEPTH	LOAD	SPAN	SPACE	NU PSF	TCX L	TCX R	COMMENTS
	M53	1		24K	3	33'-10"	3	14			38, 39
	M54	1		24K	3	33'-10"	4.5	14			40, 41
	M55	1		24K	3	33'-10"	6	14			42, 43
	M56	3	1	24K	3	33'-10"	6	7.9			42, 43, 49
	M57	2		24K	3	33'-10"	5.33	7.9			44, 45, 49
	M58	1	1	24K	3	33'-10"	5.33	7.9			44, 45, 46, 49
	M59	4		24K	3	33'-10"	5.84	7.9			47, 48, 49
	M60	17	2	24K	3	33'-10"	5.5	7.9			50, 51, 52
	M61	1	1	24K	3	33'-10"	5.5	7.9			50, 51, 52, 53
	M62	1		24K	3	33'-10"	2.83	14			54, 55
	M63	1		24K	3	33'-10"	4.25	14			56, 57
	M64	1		24K	3	33'-10"	5.75	14			15, 58
	M65	1	1	24K	3	33'-10"	5.75	7.9			15, 58
	M66	1		12K		18'-7"	3	14			59, 60
	M67	1		12K		18'-7"	4.55	14			61, 62
	M68	4	1	12K		18'-7"	6	14			63
	M69	2		12K		18'-7"	5.33	14			64
	M70	1		20K	2	29'-11"	5.666	14			65
	M71	1		20K	2	29'-11"	5.666	14			66
	M72	1		20K	2	29'-11"	5.666	7.9			67, 49
	M73	2	1	20K	2	29'-11"	5.666	7.9			50, 67
	M74	17	4	20K		29'-11"	5.33	7.9			50, 68
	M75	1		20K		29'-11"	2.83	14			54, 69
	M76	1		20K		29'-11"	4.25	14			56, 70
	M77	1		20K	2	29'-11"	5.75	14			15, 71
	TOTAL	68	12								<u> </u>

OJECT: 0

GIRDER

WG	MARK	QTY	BCX	DESIGNATION	SPAN	NU	TCX L	TCX R	COMMENTS
	G01	1	1	32G6N4.8	31'-10"				73, 74, 75, 93, 94, 103
	G02	1	1	32G6N4.7	31'-10"				73, 74, 76, 93, 94, 103
	G03	1	1	28G5N5.9	26'-4"				73, 74, 77, 93, 95, 103
	G04	1	1	28G5N5.8	26'-4"				73, 74, 78, 93, 95, 103
	G05	1	1	28G4N4.9	24'-1"				73, 74, 79, 90, 97, 103
	G06	1	1	28G4N5.4	24'-1"				73, 80, 93, 96, 103
	G07	1	1	28G4N5.3	24'-1"				73, 81, 93, 96, 103
	G08	1	1	28G4N4.9	24'-1"				73, 74, 82, 90, 97, 103
	G09	1	1	32G6N4.7	34'-6"				73, 74, 83, 91, 99, 103
	G10	1	1	40G7N5.5	41'-7"				73, 74, 84, 93, 98, 103
	G11	1	1	40G7N5.4	41'-7"				73, 74, 85, 93, 98, 103
	G12	1	1	40G7N5	41'-7"				73, 74, 86, 91, 99, 103
	G14	1	1	20G3N3.8	15'-11"				73, 74, 87, 92, 100, 103
	G15	1	1	32G5N4.2	28'-11"				73, 74, 88, 91, 101, 103
	G16	1	1	36G7N4.8	37'-10"				73, 74, 89, 90, 102, 103
	G17	1	1	36G7N4.8	37'-9"				73, 74, 89, 91, 102, 103
TOT	AL	16	16						

NOTES

40	CASE1: JOIST DESIGNATION = $171/102$ PLF, ADD'L 145 PLF RAINLOAD FROM NON TE TO $24'$ @ TC, ADD'L PL TL/LL = $4K/3.2K$ WITH NU = $3.6K$ @ $4'-0"$ FROM TE & ADD'L PL TL/LL = $4K/3.2K$ WITH NU = $3.6K$ ANYWHERE THROUGH OUT TC WITH $4'-6"$ O/C	56	CASE1: JOIST DESIGNATION = 159/95 PLF, ADD'L 133 PLF RAINLOAD FROM NON TE TO 24' @ TC, ADD'L PL TL/LL = 4K/3.2K WITH NU = 3.6K @ 4'-0" FROM TE & ADD'L PL TL/LL = 4K/3.2K WITH NU = 3.6K ANYWHERE THROUGH OUT TC WITH 4'-6" O/C
'-	CASE2: JOIST DESIGNATION = $115/46$ PLF, ADD'L PL TL/LL = $7K/6.3K$ WITH NU = $3.6K$ @ $4'-0''$ FROM TE & ADD'L PL TL/LL = $7K/6.3K$ WITH NU = $3.6K$ ANYWHERE THROUGH OUT TC WITH $4'-6''$ O/C, ADD'L LL = 63 PLF THROUGH OUT THE TC, DRIFT LOAD 74 PLF @ $0'$ TO $3.06'$ FTE.	57	CASE2: JOIST DESIGNATION = 106/42 PLF, ADD'L PL TL/LL = 7K/6.3K WITH NU = 3.6K @ 4'-0" FROM TE & ADD'L PL TL/LL = 7K/6.3K WITH NU = 3.6K ANYWHERE THROUGH OUT TC WITH 4'-6" O/C, ADD'L LL = 70 PLF THROUGH OUT THE TC, DRIFT LOAD 58 PLF @ 0' TO 2.57' FTE.
42	CASE1: JOIST DESIGNATION = 224/134 PLF, ADD'L 188 PLF RAINLOAD FROM NON TE TO 24' \oplus TC, ADD'L PL TL/LL = 4K/3.2K WITH NU = 3.6K \oplus 4'-0" FROM TE	58	CASE2: JOIST DESIGNATION = 145/58 PLF, ADD'L PL TL/LL = 7K/6.3K WITH NU = 3.6K @ 4'-0" FROM TE, DRIFT LOAD 169 PLF @ 0' TO 5'-8" FTE. 81 PLF THRU OUT TC
43	CASE2: JOIST DESIGNATION = 149/59 PLF, ADD'L PL TL/LL = $7K/6.3K$ WITH NU = $3.6K$ @ $4'-0''$ FROM TE, DRIFT LOAD 181 PLF @ $0'$ TO $5'-8''$ FTE.	59	ANYWHERE THROUGH OUT TC WITH 4'-6" O/C
44	CASE1: JOIST DESIGNATION = 199/119 PLF, ADD'L 167 PLF RAINLOAD FROM NON TE TO 24' @ TC, ADD'L PL TL/LL = 4 K/ 3.2 K WITH NU = 3.6 K @ 4 '- 0 " FROM TE	60	CASE2: JOIST DESIGNATION = 75/30 PLF, ADD'L PL TL/LL = 7K/6.3K WITH NU = 3.6K ANYWHERE THROUGH OUT TC WITH 4'-6" O/C, ADD'L LL = 78 PLF THROUGH OUT THE TC, DRIFT LOAD 23 PLF @ 0' TO 1.2' FTE.
45	CASE2: JOIST DESIGNATION = 133/53 PLF, ADD'L PL TL/LL = 7K/6.3K WITH NU = 3.6K @ 4'-0" FROM TE, DRIFT LOAD 181 PLF @ 0' TO 5'-8" FTE.	61	CASE1: JOIST DESIGNATION = 171/102 PLF, ADD'L PL TL/LL = 4K/3.2K WITH NU = 3.6K ANYWHERE THROUGH OUT TC WITH 4'-6" O/C
46	AXIAL LOAD 9K(W) & 3.5K(S) @ TC TRANSFER THRU WELD PLATE	62	CASE2: JOIST DESIGNATION = 115/46 PLF, ADD'L PL TL/LL = 7K/6.3K WITH NU = 3.6K ANYWHERE THROUGH OUT TC WITH 4'-6" O/C, ADD'L LL = 69 PLF THROUGH OUT THE TC,
47	CASE1: JOIST DESIGNATION = 218/130 PLF, ADD'L 183 PLF RAINLOAD FROM NON TE TO 24' @	02	DRIFT LOAD 85 PLF @ 0' TO 2.77' FTE.
.,	TC, ADD'L PL TL/LL = 4K/3.2K WITH NU = 3.6K @ 4'-0" FROM TE	63	CASE1: JOIST DESIGNATION = 227/135 PLF, CASE2: JOIST DESIGNATION = 153/61 PLF, ADD'L
48	CASE2: JOIST DESIGNATION = 146/58 PLF, ADD'L PL TL/LL = $7K/6.3K$ WITH NU = $3.6K$ @ $4'-0''$ FROM TE, DRIFT LOAD 174 PLF @ $0'$ TO $5'-8''$ FTE.	<u> </u>	LL = 69 PLF THROUGH OUT THE TC, DRIFT LOAD 205 PLF @ 0' TO 6'-7" FTE. CASE1: JOIST DESIGNATION = 199/119 PLF, CASE2: JOIST DESIGNATION = 133/53 PLF, ADD'L
49	ADD'L NU = 6.1 PSF TE TO 12'-0" @ TC	64	LL = 69 PLF THROUGH OUT THE TC, DRIFT LOAD 179 PLF @ 0' TO 6'-7" FTE.
50	ADD'L NU = 6.1 PSF TE TO 12'-0" & 8.5 PSF FROM 24' TO REST @ TC	C.E.	CASE1: JOIST DESIGNATION = 218/130 PLF, CASE2: JOIST DESIGNATION = 146/58 PLF, ADD'L
51	CASE1: JOIST DESIGNATION = 203/121 PLF, ADD'L 172 PLF RAINLOAD FROM NON TE TO 24' @	65	LL = 178 PLF THROUGH OUT THE TC
	TC, ADD'L PL TL/LL = 4K/3.2K WITH NU = 3.6K @ 4'-0" FROM TE	66	CASE1: JOIST DESIGNATION = 218/130 PLF, CASE2: JOIST DESIGNATION = 146/58 PLF, ADD'L LL = 60 PLF THROUGH OUT THE TC, DRIFT LOAD 60 PLF @ 0' TO 4.57" FTE.
52	CASE2: JOIST DESIGNATION = 136/54 PLF, ADD'L PL TL/LL = 7K/6.3K WITH NU = 3.6K @ 4'-0" FROM TE, DRIFT LOAD 164 PLF @ 0' TO 5'-8" FTE.		CACET TOTAL DECICALITION 240/420 DIE CACES JOICE DECICALITION 446/50 DIE DOVET
53		67	CASE1: JOIST DESIGNATION = 218/130 PLF, CASE2: JOIST DESIGNATION = 146/58 PLF, DRIFT LOAD 119 PLF @ 0' TO 7.41" FTE.
	CASE1: JOIST DESIGNATION = 107/64 PLF, ADD'L 89 PLF RAINLOAD FROM NON TE TO 24' @ TC, ADD'L PL TL/LL = 4K/3.2K WITH NU = 3.6K @ 4'-0" FROM TE & ADD'L PL TL/LL = 4K/3.2K WITH NU = 3.6K ANYWHERE THROUGH OUT TC WITH 4'-6" O/C	68	CASE1: JOIST DESIGNATION = 199/119 PLF, CASE2: JOIST DESIGNATION = 133/53 PLF, DRIFT LOAD 111 PLF @ 0' TO 7.41" FTE.
55	CASE2: JOIST DESIGNATION = 71/28 PLF, ADD'L PL TL/LL = 7K/6.3K WITH NU = 3.6K @ 4'-0" FROM TE & ADD'L PL TL/LL = 7K/6.3K WITH NU = 3.6K ANYWHERE THROUGH OUT TC WITH 4'-	69	CASE2: JOIST DESIGNATION = $71/28$ PLF, ADD'L PL TL/LL = $7K/6.3K$ WITH NU = $3.6K$ @ $4'-0''$ FROM TE & ADD'L PL TL/LL = $7K/6.3K$ WITH NU = $3.6K$ ANYWHERE THROUGH OUT TC WITH $4'-6''$ O/C, ADD'L LL = 76 PLF THROUGH OUT THE TC
	6" O/C, ADD'L LL = 76 PLF THROUGH OUT THE TC, DRIFT LOAD 10 PLF @ 0' TO 1' FTE.	70	CASE2: JOIST DESIGNATION = 106/42 PLF, ADD'L PL TL/LL = 7K/6.3K WITH NU = 3.6K @ 4'-0" FROM TE & ADD'L PL TL/LL = 7K/6.3K WITH NU = 3.6K ANYWHERE THROUGH OUT TC WITH 4'-6" O/C, ADD'L LL = 70 PLF THROUGH OUT THE TC, DRIFT LOAD 20 PLF @ 0' TO 1.23' FTE.

NOTES

1	CASE1: JOIST DESIGNATION = $100/60$ PLF, ADD'L 83 PLF RAINLOAD FROM NON TE TO 24' @ TC, ADD'L PL TL/LL = $4K/3.2K$ WITH NU = $3.6K$ @ $4'-0''$ FROM TE & ADD'L PL TL/LL = $4K/3.2K$ WITH NU = $3.6K$ ANYWHERE THROUGH OUT TC WITH $4'-6''$ O/C	20	CASE1: JOIST DESIGNATION = 233/139 PLF, ADD'L 195 PLF RAINLOAD FROM NON TE TO 24' @ TC, ADD'L PL TL/LL = 4K/3.2K WITH NU = 3.6K @ 4'-0" FROM TE
2	CASE2: JOIST DESIGNATION = 67/27 PLF, ADD'L PL TL/LL = 7K/6.3K WITH NU = 3.6K @ 4'-0" FROM TE & ADD'L PL TL/LL = 7K/6.3K WITH NU = 3.6K ANYWHERE THROUGH OUT TC WITH 4'-	21	CASE2: JOIST DESIGNATION = 156/62 PLF, ADD'L PL TL/LL = 7K/6.3K WITH NU = 3.6K @ 4'-0" FROM TE, DRIFT LOAD 210 PLF @ 0' TO 9'-2" FTE
3	6" O/C, ADD'L LL = 51 PLF THROUGH OUT THE TC, DRIFT LOAD 40 PLF @ 0' TO 4' FTE. ADD'L NU = 7 PSF TE TO 12'-0" @ TC	22	CASE2: JOIST DESIGNATION = $67/27$ PLF, ADD'L PL TL/LL = $7K/6.3K$ WITH NU = $3.6K$ ANYWHERE THROUGH OUT TC WITH 4'-6" O/C, ADD'L LL = 54 PLF THROUGH OUT THE TC
4	CASE1: JOIST DESIGNATION = $149/89$ PLF, ADD'L 125 PLF RAINLOAD FROM NON TE TO $24'$ @ TC, ADD'L PL TL/LL = $4K/3.2K$ WITH NU = $3.6K$ @ $4'-0"$ FROM TE & ADD'L PL TL/LL = $4K/3.2K$ WITH NU = $3.6K$ ANYWHERE THROUGH OUT TC WITH $4'-6"$ O/C	23	CASE1: JOIST DESIGNATION = 149/89 PLF, ADD'L PL TL/LL = 4K/3.2K WITH NU = 3.6K ANYWHERE THROUGH OUT TC WITH 4'-6" O/C
5	CASE2: JOIST DESIGNATION = 100/40 PLF, ADD'L PL TL/LL = 7K/6.3K WITH NU = 3.6K @ 4'-0" FROM TE & ADD'L PL TL/LL = 7K/6.3K WITH NU = 3.6K ANYWHERE THROUGH OUT TC WITH 4'-	24	CASE2: JOIST DESIGNATION = 100/40 PLF, ADD'L PL TL/LL = 7K/6.3K WITH NU = 3.6K ANYWHERE THROUGH OUT TC WITH 4'-6" O/C, ADD'L LL = 42 PLF THROUGH OUT THE TC
	6" O/C, ADD'L LL = 37 PLF THROUGH OUT THE TC, DRIFT LOAD 97 PLF @ 0' TO 6.67' FTE.	25	JOIST DESIGNATION = 199/119 PLF
6	CASE1: JOIST DESIGNATION = 199/119 PLF, ADD'L 167 PLF RAINLOAD FROM NON TE TO 24' @	26	JOIST DESIGNATION = 198/106 PLF
0	TC, ADD'L PL TL/LL = $4K/3.2K$ WITH NU = $3.6K$ @ $4'-0''$ FROM TE	27	AXIAL LOAD 6K(W) & 3.5K(S) @ TC TRANSFER THRU WELD PLATE
7	CASE2: JOIST DESIGNATION = 133/53 PLF, ADD'L PL TL/LL = 7K/6.3K WITH NU = 3.6K @ 4'-0"	28	JOIST DESIGNATION = 197/105 PLF
′	FROM TE, DRIFT LOAD 180 PLF @ 0' TO 9'-2" FTE.	29	JOIST DESIGNATION = 224/120 PLF
8	ADD'L NU = 7 PSF TE TO 4'-0" @ TC	30	JOIST DESIGNATION = 216/116 PLF
9	ADD'L NU = 6.1 PSF TE TO 12'-0" @ TC	31	ADD'L NU = 8.5 PSF TE TO 12'-3" @ TC
10	AXIAL LOAD 3K(W) & 1.4K(S) @ TC TRANSFER THRU WELD PLATE	32	CASE1: JOIST DESIGNATION = 276/163 PLF, CASE 2: JOIST DESIGNATION =
11	ADD'L NU = 6.1 PSF 0' TO 12'-0" & 8.5 PSF 24' TO REST @ TC	52	188/75 PLF, 40 PLF @ THRU OUT TC & 179 PLF FROM TE TO 6.55'.
12	CASE1: JOIST DESIGNATION = 224/134 PLF, ADD'L 188 PLF RAINLOAD FROM NON TE TO 24' \oplus TC, ADD'L PL TL/LL = 4K/3.2K WITH NU = 3.6K \oplus 4'-0" FROM TE	33	CASE1: JOIST DESIGNATION = 233/139 PLF, CASE 2: JOIST DESIGNATION = 156/62 PLF, 20 PLF FROM TE TO 9.5'
13	CASE2: JOIST DESIGNATION = 149/59 PLF, ADD'L PL TL/LL = $7K/6.3K$ WITH NU = $3.6K$ @ $4'-0''$ FROM TE, DRIFT LOAD 202 PLF @ 0' TO $9'-2''$ FTE.	34	CASE1: JOIST DESIGNATION = 276/163 PLF, CASE2: JOIST DESIGNATION = 188/75 PLF, 88 PLF LL THRU OUT JOIST TC
15	CASE1: JOIST DESIGNATION = 215/128 PLF, ADD'L 188 PLF RAINLOAD FROM NON TE TO 24' \oplus TC, ADD'L PL TL/LL = 4K/3.2K WITH NU = 3.6K \oplus 4'-0" FROM TE	35	CASE1: JOIST DESIGNATION = 233/139 PLF, CASE2: JOIST DESIGNATION = 156/62 PLF, 20 PLF LL THRU OUT JOIST TC
16	CASE2: JOIST DESIGNATION = 145/58 PLF, ADD'L PL TL/LL = 7K/6.3K WITH NU = 3.6K @ 4'-0"	36	FOR JOIST PROFILE SEE 2/S0.03, IMIN = 500 IN4
10	FROM TE, DRIFT LOAD 113 PLF @ 0' TO 7'-6" FTE. 81 PLF THRU OUT TC	37	JOIST DESIGNATION = 221/117 PLF
17	CASE1: JOIST DESIGNATION = 276/163 PLF, ADD'L 234 PLF RAINLOAD FROM NON TE TO 24' @ TC, ADD'L PL TL/LL = 4K/3.2K WITH NU = 3.6K @ 4'-0" FROM TE	38	CASE1: JOIST DESIGNATION = 112/67 PLF, ADD'L 94 PLF RÁINLOAD FROM NON TE TO 24' @ TC, ADD'L PL TL/LL = 4K/3.2K WITH NU = 3.6K @ 4'-0" FROM TE & ADD'L PL TL/LL = 4K/3.2K WITH NU = 3.6K ANYWHERE THROUGH OUT TC WITH 4'-6" O/C
18	CASE2: JOIST DESIGNATION = $188/75$ PLF, ADD'L PL TL/LL = $7K/6.3K$ WITH NU = $3.6K$ @ $4'-0''$ FROM TE, DRIFT LOAD 166 PLF @ $0'$ TO $6'-0''$ FTE, 88 PLF LL THRU OUT JOIST TC	39	CASE2: JOIST DESIGNATION = 75/30 PLF, ADD'L PL TL/LL = 7K/6.3K WITH NU = 3.6K @ 4'-0" FROM TE & ADD'L PL TL/LL = 7K/6.3K WITH NU = 3.6K ANYWHERE THROUGH OUT TC WITH 4'-
19	CASE1: JOIST DESIGNATION = 100/60 PLF, ADD'L PL TL/LL = 4K/3.2K WITH NU = 3.6K ANYWHERE THROUGH OUT TC WITH 4'-6" O/C		6" O/C, ADD'L LL = 71 PLF THROUGH OUT THE TC, DRIFT LOAD 19 PLF @ 0' TO 1.2' FTE.

NOTES

71	CASE2: JOIST DESIGNATION = 145/58 PLF, ADD'L PL TL/LL = 7K/6.3K WITH NU = 3.6K @ 4'-0" FROM TE, DRIFT LOAD 117 PLF @ 0' TO 5'-8" FTE	94	
	FROM 1E, DRIFT LOAD 117 PLF @ 0° TO 5°-8° FTE	95	NU: (2) 2.2K, 1.7K FOR THE REST FTE
72	30 PLF SPRINKLER LOAD @ TC	96	NU: 1.91K FOR ALL PP
73	GIRDER SELF WEIGHT NEED TO ADDED.	97	NU: 2.26K FOR ALL PP
72	ADD'L PL NEED TO BE ADDED FROM JOIST@ GIRDER PP DUE TO SNOW	98	NU: (3) 2.41K, (2) 3.56K, (1) 3.97K FTE
	DRIFT AND CFMF LOADING	99	NU: (3) 2.51K, (2) 3.38K, (1) 3.67K FTE
75	Girder designation 32G6N4.8, EQUAL SPACING, ADD'L JOIST @ 29'-2" FTE @	100	NU: 2.27K FOR ALL PP
	NTE END	101	NU: 3.11K FOR ALL PP
76	Girder designation 32G6N4.7, EQUAL SPACING, ADD'L JOIST @ 29'-2" FTE @	102	NU: 2.89K FOR ALL PP
	NTE END	103	GIRDER DEFLECTION = L/240
77	Girder designation 28G5N5.9, EQUAL SPACING		
78	Girder designation 28G5N5.8, EQUAL SPACING		
79	Girder designation 28G4N4.9, EQUAL SPACING		
80	Girder designation 28G4N5.4, EQUAL SPACING		
81	Girder designation 28G4N5.3, EQUAL SPACING		
82	Girder designation 28G4N4.9, EQUAL SPACING		
83	Girder designation 32G6N4.7, JOIST SPACING: (1) 5'-7", (5) 5'-9 3/8" FTE		
84	Girder designation 40G7N5.5, JOIST SPACING: (1) 5'-7", (5) 5'-9 3/8", (1) 7'-1" FTE		
85	Girder designation 40G7N5.4, JOIST SPACING: (1) 5'-7", (5) 5'-9 3/8", (1) 7'-1" FTE		
86	Girder designation 40G7N5, JOIST SPACING: (1) 5'-7", (5) 5'-9 3/8", (1) 7'-1" FTE		
87	Girder designation 20G3N3.8, EQUAL SPACING		
88	Girder designation 32G5N4.2, EQUAL SPACING		
89	Girder designation 36G7N4.8, EQUAL SPACING		
90	AXIAL LOAD 6K(W) & 3.5K(S) @ TC TRANSFER THRU WELD PLATE		
91	AXIAL LOAD 3K(W) & 2.1K(S) @ TC TRANSFER THRU WELD PLATE		
92	AXIAL LOAD 1.8K(W) & 1.4K(S) @ TC TRANSFER THRU WELD PLATE		
93	ADD'L 1K PL @ EACH PP @ TC		
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