





	DATE: 10/29/2024		DRAWN BY:	SCALE:		REVIEWED BY: RF	PROJECT NO.:		FILE:
		DELAVANE	ENGINEERING, D.P.C.	CIVIL AND ENVIRONMENTAL ENGINEERING	28 MADISON AVENUE EXTENSION, ALBANY, NY 12203 - 518.452.1290	55 SOUTH MAIN ST, ONEONTA, NY 13820 - 607.432.8073	31 NORTH MAIN STREET, LIBERTY, NY 12754 - 845.747.9952 6 TOWNSEND STREET, WALTON, NY 13856 - 607.865.9235	16 EAST MARKET ST., RED HOOK, NY 12571 - 518.452.1290	548 BROADWAY, MONTICELLO, NY 12701 - 845.791.7777
		TE OF NEW L	S STREET OF LON US				000 081380 CV	OFESSION STORES	
	REVISIONS	NO. DATE DESCRIPTION	1. 06/21/24 MAY 2024 DOH COMMENTS						
	RHINEBECK WTP PLANT IMPROVEMENTS VILLAGE OF RHINEBECK DUTCHESS COUNTY, NEW YORK								
	PROPOSED UPGRADES TO EXISTING SETTLING TANKS DI								
r The The	Sł			_	1	С)4		





NOTES:

- 1. ALL UTILITIES TO BE CONFIRMED IN THE FIELD BY THE CONTRACTOR. CONTRACTOR SHALL PROVIDE COST IN BASE BID TO LOCATE ALL EXISTING SANITARY, WATER AND ELECTRIC LINES ON SITE BY A QUALIFIED PROFESSIONAL LOCATING SERVICE.
- 2. CONTRACTOR SHALL HOLD ALL UTILITIES LINES AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
- 3. CONTRACTOR SHALL PROVIDE ALL S.S. SUPPORTS.
- 4. ALL JOINTS SHALL BE RESTRAINED.
- 5. ALL HARDWARE SHALL BE S.S.
- 4. ALL PLUG VALVES SHALL BE GEAR ACTUATED PLUG VALVES.
- 5. ALL PLUG VALVES IN EQ AND WTP TANKS VALVE VAULT SHALL HAVE EXTENDED S.S. OPERATORS WITH VALVE BOX COVERS. PROVIDE ALL S.S. SUPPORTS, COUPLINGS, AND ALL APPURTENANCES.



WARNING - IT IS A VIOLATION OF NEW YORK EDUCATION LAW SECTION 7209.2, FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATION LAW, SECTION 7209.2.



NOTES:

- 1. ALL UTILITIES TO BE CONFIRMED IN THE FIELD BY THE CONTRACTOR. CONTRACTOR SHALL PROVIDE COST IN BASE BID TO LOCATE ALL EXISTING SANITARY, WATER AND ELECTRIC LINES ON SITE BY A QUALIFIED PROFESSIONAL LOCATING SERVICE.
- 2. CONTRACTOR SHALL HOLD ALL UTILITIES LINES AS REQUIRED AT NO ADDITIONAL COST TO THE OWNER.
- 3. CONTRACTOR SHALL PROVIDE ALL S.S. SUPPORTS.
- 4. ALL JOINTS SHALL BE RESTRAINED.
- 5. ALL HARDWARE SHALL BE S.S.
- 4. ALL PLUG VALVES SHALL BE GEAR ACTUATED PLUG VALVES.
- 5. ALL PLUG VALVES IN EQ AND WTP TANKS VALVE VAULT SHALL HAVE EXTENDED S.S. OPERATORS WITH VALVE BOX COVERS. PROVIDE ALL S.S. SUPPORTS, COUPLINGS, AND ALL APPURTENANCES.

- NALCO FEED SYSTEM

100 GAL. NALCO DAY TANK FOR CONVENTIONAL SYSTEM COAGULATION PCH-180

- SUPER FLOC

- FILTER AID FEED PUMP

10 GAL. PHOSPHATE AY TANK

- PHOSPHATE FEED PUMP

PHOSPHATE SL1-5230

	11/1/2024					RF			
	DATE:			SCALE:		REVIEWED BY:			FILE:
				CIVIL AND ENVIRONMENTAL ENGINEERING	28 MADISON AVENUE EXTENSION, ALBANY, NY 12203 - 518.452.1290	55 SOUTH MAIN ST, ONEONTA, NY 13820 - 607.432.8073	31 NORTH MAIN STREET, LIBERTY, NY 12754 - 845.747.9952 6 TOWNSEND STREET, WALTON, NY 13856 - 607.865.9235	16 EAST MARKET ST., RED HOOK, NY 12571 - 518.452.1290	548 BROADWAY, MONTICELLO, NY 12701 - 845.791.7777
		A TE OF NEW LOS	Contraction of the		AE		00, 00, 081380 V.V.	TOFESSI ON FER	
	REVISIONS	DATE DESCRIPTION	06/21/24 MAY 2024 DOH COMMENTS	11/01/24 ADDENDUM #1					
	RHINEBECK WTP PLANT IMPROVEMENTS VILLAGE OF RHINEBECK DUTCHESS COUNTY, NEW YORK								
				NEW FILTER BUILDING		LITING FLAN			
THE	Sł			-2	2	0)4		

THE NEW YORK STAT THE 2018 INTERNATIO APPLICABLE TO THIS	E UNIFORM F NAL ENERGY PROJECT. CC	CONSERVATI	ON AND BUILDING ON CODE (IECC), T HALL CONSTRUCT	THE 2020 SUPPLEMENT	"TO THE NEW YORK STATE ENERGY CO ORDANCE WITH THE APPLICABLE CODE	DRM TO THE CURRENT EL INSERVATION CONSTRUC IS.	TION CODE,	HE 201 AS WE	ELL AS	SALL
BUILDING DATE & CO	DE									
OCCUPANCY CLASS	IFICATION:				(CHAPTERS 3 & 5)	FIRE PROTECTIO	N SYSTEMS:			
SINGLE .	1IXED 🗌	NON-SEPARATE	d 🗌 combinat	ΓΙΟΝ		SIZE AND LOCATI	ON OF FIRE A	REAS I	NDICA	\TED
IF SEPARATED, FIRE R	ESISTANCE RA	TING OF FIRE B	ARRIER (TABLE 508.	4):	HR	FIRE PROTECTION	N SYSTEM		REQU	IRED
OCCUPANCY CLASSIFI	CATION(S):	U				AUTOMATIC SPR	INKLER			-
USES: HIGHWAY VE	HICLE & MISC	CELLANEOUS ST	ORAGE			ALTERNATIVE AU	TO FIRE EXIT			-
						STANDPIPE				-
	Λςςιειζατιο		3). IIB			PORTABLE FIRE E	XTINGUISHE	2	Ν	10
	ASSIFICATIO		9 . IID			FIRE ALARM & D	ETECTION			-
						EMERGENCY ALA	RM			-
AUTOMATIC SPRIN	KLER SYSTEN	/ PROVIDED:	🗆 YES 🖾	NO		SMOKE CONTRO	L SYSTEM			-
NFPA STANDARD:			□ 13 □	13R		SMOKE & HEAT \	/ENTS			-
						FIRE COMMAND	CENTER			-
					(2).1 2772 ->]			I		
HEIGHT & AREA - AC	IUAL			1	(CHAPTER 5)					
BUILDING HEIGHT			HEIGHT IN FEET	HEIGHT IN STORIES		MEANS OF EGRE DESIGN OCCUPA	SS: NT LOAD <u>S</u> UN	1MARY	(
BUILDING AREA SUM	MARY		BUILDING AREA			FLOOR LEVEL	D	ESIGN	OCCU	PANT
FIRST			11,644 SF			FIRST	58	3		
TOTAL (NOT INCLUDIN	NG BASEMENT	Г)	11,644 SF			TOTAL	58	3		
HEIGHT & AREA – AL AREA PER TABLE 504. OCCUPANCY	LOWABLE 3 & 506.2 TABULAR	AREA	TABUL	AR HEIGHT	(CHAPTER 5)	NOTE: DESIGN O	CCUPANT LOA	AD FOR	R MEA REQ	
CLASSIFICATION			FEET	STORIES	INCREASE DUE TO FRONTAGE	NUMBER OF EXI		_		2
U	8,500 SF		55 FT	2	ALLOWED, THEREFORE ALLOWABLE	EXIT ACCESS TRA	VEL DISTANC	-		300
					AREA INCREASED TO 14,875 SF	DEAD-END LIMIT				20
							OF TRAVEL LI			/5
						EGRESS WIDTH				
FIRE RESISTANCE OF		MENTS:				ELEMENT			REQ	UIRE
BASED ON CONSTRUC	CTION TYPE IIE	3				DOORS – FIRST F	LOOR			2.8
		REQUIRED	PROVIDED	SECTION		STAIRS				NA
STRUCTURAL FRAME		0	0	TABLE 601		CORRIDORS – FIF	RST FLOOR		44'	<u>' MIN</u>
BEARING WALLS (EXT	ERIOR)	NA	NA	TABLE 601						
BEARING WALLS (INT	ERIOR)	NA	NA	TABLE 601		DITIMPING EVT		MENT	<u>ر</u> .	
NON-BEARING WALLS	S (EXTERIOR)	0	0	TABLE 601					Э. \\/\ТС	
NON-BEARING WALS	(INTERIOR)	0	0	TABLE 601				N.		
FLOOR CONSTRUCTIO	N	0	0	TABLE 601						+
ROOF CONSTRUCTION	N	0	0	TABLE 601		OCCUPANCY	OCCUPANT	. G	ED	
VERTICAL EXIT ENCLO	SURE	NA	NA	713.4		CLASSIFICATION	LOAD	III		III
SHAFT ENCLOSURE		NA	NA	713.4				ğ	õ	<u> </u>
CORRIDORS		NA	NA	TABLE 1020.1				B	PF	R
		•				U	58	0	0	0
INTERIOR FINISHES:										
DASED UN WUST RES	IKICIIVE			CECTION .		SEDARATE ΕΔΟΙΙΙ		H GENI		FOU
	ТС	REQUIRED		SECTION						1201
WALLS & CEILING: EX	115	NA	NA NA	TABLE 803.13						/:) ES^
WALLS & CEILING: CO	RRIDORS	NA	NA	IABLE 803.13						LIE3!
WALLS & CEILING: RC	OMS	NA	NA	TABLE 803.13)/ TC2
FLOORS		I NA	I NA	TABLE 803.13		UTHER PLUMBIN	G FIXIURE RE	:QUIKE	IVIEN	125

CODE:

- 1. ALL WORK SHALL CONFORM TO FEDERAL, STATE AND LOCAL CODES AS INTERPRETED BY THE LOCAL AUTHORITY HAVING JURISDICTION.
- 2. DO NOT INSTALL FIRE EXTINGUISHERS/CABINETS/BRACKETS UNTIL ALL LOCATIONS HAVE BEEN REVIEWED AND APPROVED BY THE CODE AUTHORITY HAVING JURISDICTION. CONTRACTOR SHALL COORDINATE WITH FIRE MARSHALL PRIOR TO INSTALLATION. 3. THE ARCHITECTS CERTIFICATION ON THIS PROJECT IS ONLY FOR THE CONSTRUCTION WORK SHOWN TO BE DONE. IT DOES NOT CONSTITUTE APPROVAL OF ANY PRE-EXISTING CONDITIONS OR REVIEW OF THOSE CONDITIONS FOR CODE COMPLIANCE.
- THE ARCHITECT'S CERTIFICATION ON THIS PROJECT IS FOR COMPLIANCE WITH THE BUILDING CODE OF NEW YORK STATE AND ITS VARIOUS REFERENCE STANDARDS, FOR PURPOSES OF OBTAINING A BUILDING PERMIT THROUGH THE AUTHORITY HAVING
- JURISDICTION AND TO CONVEY CONSTRUCTION REQUIREMENTS FOR THE PROJECT. CERTIFICATION DOES NOT GUARANTEE COMPLIANCE WITH LOCAL CODES THAT MAY APPLY. GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, AIA DOCUMENT A201-2007 AND ANY OTHER DOCUMENTS AS PROVIDED BY THE OWNER SHALL BE INCORPORATED INTO THE OWNER-CONTRACTOR CONTRACT BY REFERENCE. CONSTRUCTION SHALL CONFORM TO CURRENT EDITIONS OF THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE (THE "UNIFORM CODE"): CONSTRUCTION SHALL CONFORM TO CURRENT EDITIONS OF THE 2018 INTERNATIONAL BUILDING CODE (IBC), THE 2020 NEW YORK STATE UNIFORM CODE SUPPLEMENT, THE 2018 INTERNATIONAL ENERGY CONSERVATION CODE (IECC), THE 2020 SUPPLEMENT TO THE NEW YORK STATE ENERGY CONSERVATION CODE, 2010 AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS FOR ACCESSIBLE DESIGN (28 CFR PART 36, SUBPART D), 2009 ADA ACCESSIBILITY AND USABLE BUILDINGS AND FACILITIES (ICC/ANSI A117.1-2009), AS WELL AS WITH ALL OTHER CURRENT LOCAL, STATE AND FEDERAL CODES AND REGULATIONS ÁPPLICABLE TO THIS PROJECT. CONTRACTOR SHALL CONSTRUCT THÉ PROJECT IN ACCORDANCE WITH THE APPLICABLE CODES RELEVANT TO THIS PROJECT.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND PAYMENT OF ALL PERMIT AND APPLICATION FEES FOR THE CONSTRUCTION OF THE PROJECT. TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGEMENT, THESE PLANS ARE IN CONFORMANCE WITH THE 2020 SUPPLEMENT OF THE NEW YORK STATE ENERGY CONSERVATION CONSTRUCTION CODE. 9. THE FOLLOWING IS AN EXCERPT FROM THE NEW YORK EDUCATION LAW ARTICLE 145 SECTION 7209 AND APPLIES TO THESE DRAWINGS: "IT IS A VIOLATION OF THIS LAW FOR ANY PERSON UNLESS HE IS ACTING UNDER THE DIRECT SUPERVISION OF A
- LICENSED ARCHITECT TO ALTER AN ITEM IN ANY WAY." IF ANY ITEM BEARING THE SEAL OF AN ARCHITECT IS ALTERED, THE ALTERING ARCHITECT SHALL AFFIX HIS SEAL AND NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND DATE OF SUCH ALTERNATION AND SPECIFIC DESCRIPTION OF THE ALTERATION.

											CHAPTER 9
ICA	TED ON		COMF	PLIANCE	DRAWI	NG(S)		1			
QUI	RED	PI	ROVID	ED	SE	CTION					
-	•		-			903					
-	•		-			904					
-			-			905					
IN	0		YES			906					
			-			907					
	-		_			909					
-			-			910					
-	-		-			911					
											CHAPTER IC
CUP	PANT LO	DAD									
IEAN	IS OF E	GRESS	SIZING	.							
IEAN	IS OF E	GRESS	SIZING	6. PED	SE	CTION]			
	JIRED	GRESS	SIZING ROVID 6	5. PED	SE TABLE	CTION 1006.	2.1				
	JIRED 2 00	GRESS	SIZING ROVID 6 75	6. VED	SE TABLE TABL	CTION 1006. E 1017	2.1				
IEAN REQU	JIRED 2 20 20 75	GRESS	SIZING ROVID 6 75 - 75	6. DED	SE TABLE TABL 10	CTION 1006. E 1017 020.4	2.1 7.2				
IEAN REQU	JIRED 2 00 20 75	GRESS	SIZING ROVID 6 75 - 75	5. DED	SE TABLE TABL 10	CTION 1006. E 1017 D20.4 06.2.1	2.1 7.2				
IEAN REQU 3 7 7	JIRED 2 00 20 75 JIRED	GRESS	SIZING ROVID 6 75 - 75 ROVID	5. ED	SE TABLE TABL 10 10 SE	CTION 1006. E 1017 D20.4 06.2.1 CTION	2.1 7.2				
REQU 3 7 7 REQU	JIRED 2 00 20 75 JIRED 8	GRESS P	SIZING ROVID - 75 ROVID 36	5. PED	SE TABLE TABL 10 SE 10	CTION 1006. E 1017 020.4 06.2.1 CTION 05.3.2	2.1 7.2				
IEAN REQU 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	JIRED 2 00 20 75 JIRED 3.8 JA	GRESS P P P P P	SIZING ROVID 6 75 - 75 ROVID 36 NA	5. PED	SE TABLE TABL 10 10 5E 10 10	CTION 1006. E 1017 020.4 06.2.1 CTION 05.3.2 05.3.1	2.1 7.2				
IEAN REQU 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	JIRED 2 00 20 75 JIRED JIRED 8 JA MIN	GRESS P P P P P	SIZING ROVID - 75 ROVID 36 NA -	5. PED	SE TABLE TABL 10 10 SE 10 10 10	CTION 1006. E 1017 020.4 06.2.1 CTION 05.3.2 05.3.1 020.2	2.1 7.2				
REQU REQU REQU REQU A44"	JIRED 2 00 20 75 JIRED 8 JA MIN	GRESS P P P P P	SIZING ROVID - 75 ROVID 36 NA -	5. PED	SE TABLE TABL 10 10 SE 10 10 10	CTION 1006. E 1017 020.4 06.2.1 05.3.2 05.3.1 020.2	2.1 7.2				CHAPTER 29
IEAN REQU 33 22 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	JIRED 2 00 20 75 JIRED 8 JA MIN	GRESS P P P P P C CTS	SIZING ROVID 6 75 - 75 ROVID 36 NA -	DED	SE TABLE TABL 10 10 5 5 10 10 10	CTION 1006. E 1017 020.4 06.2.1 CTION 05.3.2 05.3.1 020.2	2.1 7.2		DRIES		CHAPTER 29
REQU 3 7 7 8 8 8 8 8 9 7 7 7 7 7 7 7 7 7 7 7 7	JIRED 2 00 20 75 JIRED 8 JA MIN	GRESS P P P P C C C C C C C C C C C C C C C	SIZING ROVID - 75 ROVID 36 NA - UR	5. PED	SE TABLE TABL 10 10 5E 10 10 10 10	CTION 1006. E 1017 020.4 06.2.1 05.3.2 05.3.1 020.2 F.	2.1 7.2		DRIES	1EN	CHAPTER 29
REQU 3 2 7 REQU 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	JIRED 2 00 20 75 JIRED 8 JA MIN & CLOSE WOI	GRESS P P P P C C C C	SIZING ROVID - 75 ROVID 36 NA - UR	Б. РЕД РЕД РЕД РЕД 	SE TABLE TABL 10 10 5E 10 10 10 10	CTION 1006. E 1017 020.4 06.2.1 05.3.2 05.3.1 020.2 F.	2.1 7.2		DRIES WON	1EN	CHAPTER 29
	JIRED 2 00 20 75 JIRED JIRED 8 JIRED 8 MIN CLOSE WOI	GRESS P P P P P P C C C C C C C C C C C C C	SIZING ROVID 6 75 - 75 ROVID 36 NA - UR	Б. PED PED PED INALS	SE TABLE TABL 10 10 10 10 10	CTION 1006. E 1017 020.4 06.2.1 05.3.2 05.3.1 020.2 F.	2.1 7.2			IDED	CHAPTER 29
	JIRED 2 00 20 75 JIRED 20 75 JIRED 3.8 JA MIN	GRESS P P P P C C TS MEN	SIZING ROVID 6 75 - 75 ROVID 36 NA - UR	5. PED	SE TABLE TABL 10 10 SE 10 10 10 10	CTION 1006. E 1017 020.4 06.2.1 05.3.2 05.3.1 020.2 F.	2.1 7.2		ORIES WON	COVIDED 3	CHAPTER 29
	JIRED 2 00 20 75 JIRED JIRED 8 JA MIN CLOSE WOI	GRESS P P P P C P C P C C C C C C C C C C C C C	SIZING ROVID 6 75 - 75 ROVID 36 NA - UR UR	G. DED DED DED INALS GIONONA	SE TABLE TABL 10 10 SE 10 10 10 10 10 10 10	CTION 1006. E 1017 020.4 06.2.1 05.3.2 05.3.1 020.2 F.	2.1 7.2 ME ME	PROVIDED Z	DRIES WON WON	PROVIDED Z	CHAPTER 29
	JIRED 2 00 20 75 JIRED JIRED 8 JIRED 8 MIN CLOSE WOI	GRESS P P P P P P C C TS MEN	SIZING ROVID 6 75 - 75 ROVID 36 NA - UR UR	G. DED	SE TABLE TABL 10 10 10 10 10 10 10 10 10 10 10 10 10	CTION 1006. E 1017 020.4 06.2.1 CTION 05.3.2 05.3.1 020.2 F.	2.1 7.2 	Drava Brovided Brovided Drava	DRIES WOW 0	0 PROVIDED	CHAPTER 29

Lavatories will be provided in new highway garage facility

🛛 YES 🗌 NO 2902.2

⊠ YES □ NO 2902.2

ENERGY CODE REQUIREMENTS

1. THE NEW STRUCTURE COMPLIES WITH THE 2020 NYS BUILDING CODE REQUIREMENTS, PRESCRIPTIVE METHOD

2. CLIMATE ZONE (IECCNYS TABLE C301.1): 5A - SARATOGA COUNTY

METAL BUILDING U ≤ 0.035 U = 0.022

PROVIDED:

3. ROOF (IECCNYS C402.1.4):

REQUIRED:

 NOTE: PRE-ENGINEERED BUILDING MANUFACTURER IS RESPONSIBLE FOR PROVIDING ENERGY CODE REQUIREMENTS IN WALL AND ROOF ASSEMBLY AS STIPULATED IN THE CONTRACT DOCUMENTS.

4. WALLS, ABOVE GRADE (IECCNYS C402.1.4): METAL BUILDING REQUIRED: U ≤ 0.052 PROVIDED: U = 0.039 NOTE: PRE-ENGINEERED BUILDING MANUFACTURER IS RESPONSIBLE FOR PROVIDING ENERGY CODE REQUIREMENTS IN WALL AND ROOF ASSEMBLY AS STIPULATED IN THE CONTRACT DOCUMENTS. 5. WALLS, BELOW GRADE (IECCNYS C402.1.3): CONCRETE REQUIRED: R ≥ 7.5 CI R = 10 CI PROVIDED: UNHEATED SLAB-ON-GRADE 6. FLOORS (IECCNYS C402.1.3): R ≥ 10 REQUIRED:

 PROVIDED: R = 10 OPAQUE NON-SWINGING DOORS 7. DOORS (IECCNYS C402.1.3): REQUIRED: R ≥ 4.75 PROVIDED: R = NA 8. DOORS (IECCNYS C402.1.4): • REQUIRED: SWINGING DOORS U ≤ 0.37 PROVIDED: U = NA

9. FENESTRATION REQUIREMENTS (IECCNYS C402.4):

A. FIXED	
REQUIRED:	U ≤ 0.38
PROVIDED:	U = NA
B. ENTRANCE DOOR	
REQUIRED:	U ≤ 0.77
PROVIDED:	U = 0.43
C. OPERABLES	
REQUIRED:	U ≤ 0.45
PROVIDED:	U = NA
). MAXIMUM FENESTRATION AL	LOWABLE (IECCNYS C402.4):
REQUIRED:	0.30

 PROVIDED: NA REQUIRED TOTAL 2125 SF 0 SF

STATEMENT IS BEING PROVIDED AS REQUIRED OF THE 2020 NYS ENERGY CODE SUPPLEMENT, SECTION C103.2.2.





0 Z

2.8073 .452.1290 91.7777

А	9	1.8	36	MIN WIDTH PER 1010.1.1 = 32 INCHES
В	14	2.8	36	MIN WIDTH PER 1010.1.1 = 32 INCHES
		-		

* REQUIRED WIDTH CALCULATED 1005.3.2: 0.2 INCHES PER OCCUPANT





	Window Schedule									
Type Mark Head Height	Hood Hoight	Window Size				Window Materials	Manufacturar			
	Rough Height	Rough Width	Height	Width	Frame Finish	Trim Finish	Glazing		Egress window	



DOOR				FRAME				
MATERIAL	FINISH	TYPE	DEPTH	MATERIAL	FINISH	RATING	MANUFACTURER	
NSULATED HOLLOW METAL	PAINT, COLOR BY OWNER	F2	2" (W) x 5 3/4" (D)	HOLLOW METAL	PAINT, COLOR BY OWNER	N/A	OVERHEAD DOOR CORPORATION	
NSULATED HOLLOW METAL	PAINT, COLOR BY OWNER	F1	2" (W) x 5 3/4" (D)	HOLLOW METAL	PAINT, COLOR BY OWNER	N/A	CECO ASSA-ABLOY	
NSULATED HOLLOW METAL	PAINT, COLOR BY OWNER	F1	2" (W) x 5 3/4" (D)	HOLLOW METAL	PAINT, COLOR BY OWNER	N/A	CECO ASSA-ABLOY	
NSULATED HOLLOW METAL	PAINT, COLOR BY OWNER	F1	2" (W) x 5 3/4" (D)	HOLLOW METAL	PAINT, COLOR BY OWNER	N/A	CECO ASSA-ABLOY	
NSULATED HOLLOW METAL	PAINT, COLOR BY OWNER	F1	2" (W) x 5 3/4" (D)	HOLLOW METAL	PAINT, COLOR BY OWNER	N/A	CECO ASSA-ABLOY	

D3:	\checkmark		D4
1	. (6) 4-1	1/2"x 4-1/2" HIN	GES



ARCHITECTURAL LEGEND

(#)	INDICATES KEYED N	OTE.
W-	INDICATES NEW WAI SCHEDULE.	L, REF WALL
	INDICATES NEW WIN WINDOW SCHEDULE	DOW, REF ON 'A' DWGS
	INDICATES NEW DOO SCHEDULE ON 'A' DV	DR, REF DOOR VGS
	INDICATES NEW GRI	DLINE

PLAN NOTES

- 1. ALL ELEVATIONS ARE REFERENCED FROM 0'-0" = LEVEL 1 FINISH FLOOR.
- 2. GRIDLINES ARE LOCATED AT EXTERIOR FACE OF PEMB STEEL LINES.
- 3. DETAILS ON THESE PLANS ARE INTENDED TO DEPICT THE GENERAL CONSTRUCTION METHODS FOR THIS STRUCTURE. CONNECTIONS, DETAILS AND CONDITIONS NOT SPECIFICALLY SHOWN THAT ARE SIMILAR TO THOSE THAT ARE SPECIFIED SHALL BE ASSUMED ONE AND THE SAME. IF QUESTIONS REGARDING THE APPLICATION OF DETAILS ARE ENCOUNTERED, NOTIFY THE ARCHITECT / ENGINEER FOR CLARIFICATION IN A TIMELY MANNER PRIOR TO BID OPENING.
- 4. DIMENSIONS AT DOORS ARE ROUGH OPENING OF STRUCTURAL FRAME.
- 5. REFER TO SPECIFICATION 074116, 074213.19, AND 133419 FOR REQUIRED WARRANTIES.
- 6. CONTRACTOR TO PROVIDE PROOF OF MANUFACTURER'S INSTALLATION CERTIFICATION AND TRAINING.
- 7. CONTRACTOR TO PROVIDE DOCUMENTATION OF THE NECESSARY MANUFACTURER'S INSTALLATION. CERTIFICATION AND TRAINING CAN BE OBTAINED PRIOR TO INSTALLATION OF THE PEMB STRUCTURE.

ELEVATION NOTES

- 1. ALL ELEVATIONS ARE REFERENCED FROM 0'-0" = LEVEL 1 FINISH FLOOR.
- 2. GRIDLINES ARE LOCATED AT EXTERIOR FACE OF PEMB STEEL LINES.
- 3. DETAILS ON THESE PLANS ARE INTENDED TO DEPICT THE GENERAL CONSTRUCTION METHODS FOR THIS STRUCTURE CONNECTIONS, DETAILS AND CONDITIONS NOT SPECIFICALLY SHOWN THAT ARE SIMILAR TO THOSE THAT ARE SPECIFIED SHALL BE ASSUMED ONE AND THE SAME. IF QUESTIONS REGARDING THE APPLICATION OF DETAILS ARE ENCOUNTERED, NOTIFY THE ARCHITECT / ENGINEER FOR CLARIFICATION IN A TIMELY MANNER PRIOR TO BID OPENING.
- 4. ALIGN JOINTS OF 42" ROOF PANELS WITH JOINTS OF 42" WALL PANELS.
- 5. DOOR, WINDOW, & STOREFRONT MANUFACTURER RESPONSIBLE FOR DESIGN OF ALL CONNECTIONS TO JAMBS, SILLS, & HEADERS.
- 6. DIMENSIONS SHOWN ON ELEVATIONS ARE ROUGH OPENING OF STRUCTURAL FRAME.
- 7. REFER TO SPECIFICATION 074116, 074213.19, AND 133419 FOR REQUIRED WARRANTIES.
- 8. CONTRACTOR TO PROVIDE PROOF OF MANUFACTURER'S INSTALLATION CERTIFICATION AND TRAINING.
- 9. CONTRACTOR TO PROVIDE DOCUMENTATION OF THE NECESSARY MANUFACTURER'S INSTALLATION. CERTIFICATION AND TRAINING CAN BE OBTAINED PRIOR TO INSTALLATION OF THE PEMP STRUCTURE.
- 11. ROOF PANELS SHALL BE 36" WIDE, 6" THICK, 24 GAUGE METAL SPAN INSULATED PANELS, LS-36, OR EQUAL.
- 12. WALL PANELS SHALL BE 36" WIDE, 3" THICK, 24-GAUG METAL SPAN INSULATED PANELS, LS-36 OR EQUAL.

n Nome Control Contro <thcontrol< th=""> <thcontrol< t<="" th=""><th>и Ш</th><th></th><th>F TO F</th><th></th><th>OC</th><th></th></thcontrol<></thcontrol<>	и Ш		F TO F		OC	
Prime Prim Prime Prime	# &	NUMBER, POUND AND	F'C	STRENGTH	OPNG	
		FEET	FAB	FABRICATIONS/FABRICATED	OPP	OPPOSITE
No. Intel [®] VI. Andal Erstel [®] PIR PIRS PIRS </td <td>E)</td> <td>EXISTING</td> <td>FB</td> <td>FLAT BAR</td> <td>OSB</td> <td>ORIENTED STRAND BOARD</td>	E)	EXISTING	FB	FLAT BAR	OSB	ORIENTED STRAND BOARD
A A PA PROCI-LOCAL LACADON PR PROCENTLY DATA B ADDISON CONCURS FIGUR PROCE PROCE PROCENTLY DATA PROCENTLY DATA B ADDISON CONCURS FIGUR PROCE PROCENTLY DATA PROCENTLY DATA PROCENTLY DATA B ADDISON CONCURS FIGUR PROCENTLY DATA PROCENTLY DATA PROCENTLY DATA B ADDISON CONCURS FIGUR PROCENTLY DATA PROCENTLY DATA PROCENTLY DATA B ADDISON CONCURS FIGUR PROCENTLY DATA PROCENTLY DATA PROCENTLY DATA B ADDISON CONCURS FIGUR PROCENTLY DATA PROCENTLY DATA PROCENTLY DATA B ADDISON CONCURS FIGUR PROCENTLY DATA PROCENTLY DATA PROCENTLY DATA B ADDISON CONCURS FIGUR PROCENTLY DATA PROCENTLY DATA PROCENTLY DATA B ADDISON CONCURS FIGUR DATA PROCENTLY DATA PROCENTLY DATA PROCENTLY DATA B ADDISON CONCURS PROCENTLY DATA PROCENTLY DATA	N)	NEW	FD		OWSJ	OPEN WEB STEEL JOIST
Science Particle Price	Ŋ	AI		FINISH FLOOR FINISH FLOOR FLEVATION	D/I	
M. ACCIONADOL PCOR	4=	AXIAL FORCE	FIN	FINISH	PAF	POWDER ACTUATED FASTENER
Bits Add Sect. How House and	\Β	ANCHOR BOLT	FLR	FLOOR	PC	PRECAST
G. M. MARCONSCIEL IN 2011011 POINT PROFESSION PE PE< PE< PE< PE <th< td=""><td>٩ΒV</td><td>ABOVE</td><td>FNDN</td><td>FOUNDATION</td><td>PCF</td><td>POUNDS PER CUBIC FOOT</td></th<>	٩ΒV	ABOVE	FNDN	FOUNDATION	PCF	POUNDS PER CUBIC FOOT
Dial Dial Dial Parts Pa	\CI	AMERICAN CONCRETE INSTITUTE	FOC		Pd	DRIFTED SNOW LOAD
Book ACCONTENTIONAL TRANSPORT Free of an in FREE FREE of an in BILLIONAL STREAM FT FREE ANTITIONAL TRANSPORT FREE ANTITIONAL TRANSPORT <td></td> <td>ADDENDUM, ADDITION</td> <td>FOF</td> <td>FACE OF FINISH FACE OF MASONRY</td> <td>PE</td> <td></td>		ADDENDUM, ADDITION	FOF	FACE OF FINISH FACE OF MASONRY	PE	
Bitter Link Hear Processing (%) Proce	LDJ VESS	ADJUST, ADJUSTABLE ARCHITECTURALLY EXPOSED	FOS	FACE OF STUD	PEMB	PRE ENGINEERED METAL BUILDING PERFORATE PERFORATED
H AUDOLE FMBINED LOCK INVIDE INVIDE FMAND PERT MONITOR TEATING PERT MONITOR PERT MONITOR <td>200</td> <td>STRUCTURAL STEEL</td> <td>FR</td> <td>FIRE RATED, FIRE RESISTIVE</td> <td></td> <td>PERFORMANCE</td>	200	STRUCTURAL STEEL	FR	FIRE RATED, FIRE RESISTIVE		PERFORMANCE
Li ALT BENARTE FRIT	\FF	ABOVE FINISHED FLOOR	FRM	FRAMED, FRAMING	PERIM	PERIMETER
Landson Alternation Intro Local flucture Prof.	LT.	ALTERNATE	FRT	FIRE RETARDANT TREATED	PERP	
R.M. Advances Full Full STRESS FL PLATE PLATE MIL Advances FU FULL STRESS FL PLATE PL PLATE PL PLATE PL PLATE PL PLATE PL			FI		Pt	FLAT ROOF SNOW LOAD
STM ALLER CALL Pr YELD STRESS PLP POUNDS PERLIMENT OF VALUE CALL CALCAL CALCAL CALCAL PART PERSPACED FLACT VIEL CALCAL CALCAL CALCAL PART PERSPACED FLACT VIEL CALCAL CALCAL CALCAL PERSPACED FLACT PERSPACED FLACT VIEL CALCAL CALCAL CALCAL PERSPACED FLACT PERSPACED FLACT VIEL CALCAL CALCAL CALCAL PERSPACED FLACT PERSPACED FLACT VIEL CALCAL CALCAL CALCAL CALCAL PERSPACED FLACT VIEL PERSPACED FLACT CALCAL CALCAL PERSPACED FLACT PERSPACED FLACT VIEL PARALLEL STANAL PERSPACED FLACT PERSPACED FLACT PERSPACED FLACT PERSPACED FLACT VIEL PERSPACED FLACT CALCAL PERSPACED FLACT PERSPACED FLACT PERSPACED FLACT VIEL PERSPACED FLACT CALCAL PERSPACED FLACT PERSPACED FLACT PERSPACED FLACT VIEL	RCH	ARCHITECTURAL	FUT	FUTURE	PL	PLATE
MAD MATERALS PLVM COD PLVM COD MAD MATERALS CALL CALL PLVM COD PLVM COD MAD MATERALS CALL CALL PLVM COD PLVM COD MAD MATERALS CALL CALL CALL PLVM COD PLVM COD MAD MATERALS CALL CALL CALL PLVM COD PLVM COD MAD MATERALS CALL CALL CALL PLVM COD PLVM COD MAD MATERALS CALL CALL PLVM COD PLVM COD PLVM COD MAD MATERALS CALL CALL CALL PLVM COD PLVM COD PLVM COD MAD MATERALS CALL CALL CALL PLVM COD PLVM COD PLVM COD MAD MATERALS CALL CALL CALL PLVM COD PLVM COD PLVM COD MAD MATERALS CALL CALL CALL PLVM COD PLVM COD <td< td=""><td>STM</td><td>AMERICAN SOCIETY FOR TESTING</td><td>Fy</td><td>YIELD STRESS</td><td>PLF</td><td>POUNDS PER LINIER FOOT</td></td<>	STM	AMERICAN SOCIETY FOR TESTING	Fy	YIELD STRESS	PLF	POUNDS PER LINIER FOOT
00 AVENUES PALL PALL <t< td=""><td></td><td>AND MATERIALS</td><td></td><td></td><td>PLWD</td><td>PLYWOOD</td></t<>		AND MATERIALS			PLWD	PLYWOOD
No. MODULATION FALCEMEND SOLE 1/ Instruction fractions object 1/ Instruction fractions object 1/ Instruction fractions object 1// A BETWEEN CC CONTRACTORY PREPARE PREPAREMENTED W BETWEEN CONTRACTORY PREPARE PREPAREMENTED PREPAREMENTED W BETWEEN CONTRACTORY COURS CONTRACTORY COURS PREPAREMENTED PREPAREMENTED W BETAME CONTRACTORY COURS CONTRACTORY COURS CONTRACTORY COURS PREPAREMENTED PREPAREMENTED W REGAR BROCKERS H HCC RECONTRACTORY COURS PREPAREMENTED PREPAREMENTED W RECONTRACTORY COURS H HCC RECONTRACTORY COURS PREPAREMENTED PREPAREMENTED W RECONTRACTORY COURS H HCCLANY CONTRACTORY COURS PREPAREMENTED PREPAREMENTED <td>VG</td> <td></td> <td>GA</td> <td>GAUGE</td> <td>PMEJ</td> <td>PREMOLDED EXPANSION JOINT</td>	VG		GA	GAUGE	PMEJ	PREMOLDED EXPANSION JOINT
DetTOD/OT CC CC CO	VV3	AMERICAN WELDING SOCIET	GALV	GALVANIZED CRADE REAM		
With BETWEEN ORM ORIGINAL PPERTNAL	/	BOTTOM OF	GC	GENERAL CONTRACTOR		
ALC BAZOMY CL CLL ALAMINETID Ps BLOCHT MODES PER SQUARE NOW LGAD CO BAZOMY CLL ALAMINETID BAMA MSH PCINES PER SQUARE NOW LGAD RI BAZOMY CRID COLLA ALMINETID BAMA MSH PCINES PER SQUARE NOW LGAD RI BAZOMY CRID COLLA ALMINETID BAMA MSH PCINES PER SQUARE NOW LGAD RI HOLONG CMRD CMRD CMRD PT PRACE RI HOLONG CMRD CMRD PT PRACE PT RI HIGGEN CMRD HIGGEN OT CMRD PT PRACE RI HIGGEN CMRD HIGGEN PT PRACE HIGGEN PT PRACE HIGGEN PT PRACE HIGGEN HIGGEN HIGGEN HIGGEN HIGGEN HIGGEN HIGGEN HIGGEN HIGGEN	/W	BETWEEN	GEN	GENERAL	PREFIN	PREFINISHED
D DBARD CLB CLLAMINITED BEAM PR POUNDS THE SQUARE HOT DDB DUDONG GROUND GROUND PID PESSIVE THEATD LDB DUDONG GROUND PESSIVE THEATD PID PESSIVE THEATD LDB DUDONG GROUND PID PESSIVE THEATD PID LDB DUTONG GROUND PID PESSIVE THEATD PID LDB GROUND HIT HEADSING RCDONG RCDONG <td< td=""><td>ALC</td><td>BALCONY</td><td>GL</td><td>GLU-LAMINATED</td><td>Ps</td><td>SLOPED ROOF SNOW LOAD</td></td<>	ALC	BALCONY	GL	GLU-LAMINATED	Ps	SLOPED ROOF SNOW LOAD
	D	BOARD	GLB	GLU-LAMINATED BEAM	PSF	POUNDS PER SQUARE FOOT
Street Default City GPAGE P34 Default PARALES (TRUE) UNBER KK BLOCKAS CVP 9D CVP 9D CVP 9D CVP 9D PVP PVP PVPALES (TRUE) UNBER KK BLOCKAS MARALES (TRUE) PVP <	-V KP	BACKED	GND	GROUND	PSI	POUNDS PER SQUARE INCH
Name Option Option Processor Processor Processor No. BEAM Grand		BUILDING	GR	GRADE	PSL	
KG BLOCKING KIT Let KI	LK	BLOCK		GTFOUM GYPSIIM ROARD		PRESSURE IREATED
M. BEAM HAS HAGED AUCHOR STUD OTY QUANTTY 01801 BOTTOR HOLLOW CORE H HOLLOW CORE R RBFR 01811 BOTTOR HCP HOLLOW CORE R RBFR RBFR 01801 BOTTOR HCP HOLLOW CORE R RBFR	LKG	BLOCKING				.,
DD BOTTOM OF CUBR HC HOLLOW CORE DW BOTTOM OF MULL HOR HOR MADDER LANDER R BEARING DW BOTTOM OF MULL HOR HOR MADDER R BEARING R DW BOTTOM OF MULL HOR HOR MADDER R BEARING R BEARING R BEARING R R BEARING R <td< td=""><td>M</td><td>BEAM</td><td>HAS</td><td>HEADED ANCHOR STUD</td><td>QTY</td><td>QUANTITY</td></td<>	M	BEAM	HAS	HEADED ANCHOR STUD	QTY	QUANTITY
MAINE M. 2011/00.0 HOLD WOLL HOP HOLDW CORE FLOW R RESE R RESE DOB BETROGER BRINNIN HEX HEXAGONA RA RA<	OC	BOTTOM OF CURB	HC	HOLLOW CORE		
M BALLANCE MALL HDR HEADER PR BLANDIG PR BLANDIG </td <td>OT/BTM</td> <td>BOTTOM</td> <td>HCP</td> <td></td> <td>R</td> <td>RISER</td>	OT/BTM	BOTTOM	HCP		R	RISER
Instructure How HEXAL GRANL HOU RADIES Instructure HILL HOULD TAIL RCD	UW D	BUTTOM OF WALL BASEDIATE	HDR	HEADER	R=	BEAM END SHEAR REACTION
RG BEAMS FILE PART	r RDG	BRIDGE BRIDGING	HEX	HEXAGONAL	RAD	
NY BRICK INDRUZ	RG	BEARING	НІ	HIGH HOLLOW METAL	RCP	REFLECTED CEILING PLAN
NMT BASEMENT HSS HOLGW STRUCTURAL SECTION REIM REIM REQUIRED U BUILTOP HYAC IEATING - VENTIONAL SECTION REV REVUERD CAMAREL COMMENT CREATING - VENTIONAL SECTION REV REVUERD REVE REVUERD SM CONSTRUCTIONAL SECTION REV REVE	RK	BRICK	HORIZ	HORIZONTAL	REF	REFER - REFERENCE
UND BUILT VP HT HEGRT REGIO RECORD REVENSION CHANNELS CHANNELS HORANG - VENTILATION - AIR RO ROUNDED RO ROUNDED CHANNELS CONDITIONING IC INTERNATIONAL BUILDING CODE SCL STRUCTURAL FORMATION SCL STRUCTURAL FORMATION SCL STRUCTURAL FORMATION PIC CASTING - VENTOR ID INSIDE ANALETER SCL STRUCTURAL FORMATION SCL CONTROL JOINT ID INSIDE ANALETER SCL STRUCTURAL FORMATION SCL CELLING INNO INFORMATION STRUCTURAL FORMATION STRUCTURAL FORMATION CONDERTE LINSONTY UNT INN INNO INFORMATION STRUCTURAL FORMATION STRUCTURAL FORMATION CONDERTE LINSONTY UNT INN INNO INFORMATION STRUCTURAL FORMATION STRUCTURAL FORMATION CONDERTE LINSONTY UNT INN INTERNON STRUCTURAL FORMATION STRUCTURAL FORMATION STRUCTURAL FORMATION CONDERTE LINSONTY UNT INNO INTERNON STRUCTURAL FORMATION S	SMT	BASEMENT	HSS	HOLLOW STRUCTURAL SECTION	REINF	REINFORCING
DHANEL INVAC INFAC VERTING - VERTILATION - AR REV REVISION REVISION CONDENSION FORMATTONING INCERNATIONAL RULE DING CODE BOULED OPENING BOULED OPENING SIG CONTRO - CRATING - VERTADD INCERNATIONAL RULE DING CODE BOULED OPENING BOULED OPENING U CONTRO - JOINT IN INSER FORMATION BE STRUCTURAL COOPERING U CONTRO - JOINT IN INSER FORMATION BE STRUCTURAL COOPERING U CONTRO - JOINT FEMERATION IN INSER FORMATION BE SINCE L CONTRET LINE INSP INSPECTION BH SINCE SINCE L CONTRET LINE INT INTERCOR SINCE SINCE SINCE SINCE L CONTRON K KLOODUNO SINCE <	U	BUILT-UP	НТ	HEIGHT	REQ'D	REQUIRED
CHANNEL CONCUTORN FOR ROCE CONSTRUCTION REG INTERNATIONAL PURCE SOLED OF STRUCTURAL CONSIDERTE LUX CS CENTER OF GRANTY OF STRAND ICF INSULATED CONVERTE FORMS SCIED OF STRUCTURAL CONSIDERTE LUX P CAST IN FLACE INSULATED CONVERTE FORMS SCIED OF STRUCTURAL CONSIDERTE LUX P CONTROL_JOINT IJ ISOLATION JOINT SECT SSTRUCTURAL CONSIDERTE LUX L CONTROL_JOINT IJ ISOLATION JOINT SIGE STRUCTURAL CONSIDERTE LUX L CONTROL_JOINT IJ ISOLATION JOINT SIGE STRUCTURAL CONSIDERTE LUX L COLL CELING INFO INFORMATION SIGE STRUCTURAL CONSIDERTE L COLL CELING INFO INFORMATION SIGE STRUCTURAL CONSIDERTE L COLL CELING INFO INFORMATION SIGE STRUCTURAL CONSIDERTE L CONTROL INFO INFORMATION SIGE STRUCTURAL CONSIDERTE SIGE STRUCTURAL CONSIDERTE CONTROL CONTROL JI INTERDATION SIGE STRUCTURAL CONSIDE			HVAC	HEATING - VENTILATION - AIR	REV	REVISION
EM CONNENT, CONSTRUCTIONS BC INTERNATIONAL PULPING CODE Columb 2 Columb 2 GR CASTIN PLACE ID INSIDE DUALCHERE FORMS SC STRUCTURAL COMPOSE LUC L CONTROL JOINT ID INSIDE DUALCHERE FORMS SC STRUCTURAL COMPOSE LUC L CONTROL JOINT ID INSIDE DUALCHERE FORMS SF SOLUARE FEET L CONTRET INFLOOR INSIDE DUALCHERE FORMS SF SOLUARE FEET SING L CONTRET INFLOOR INSIDE DUALCHERE SIN SINLAR SINLAR L CONTRET INFLOOR INSIDE DUALCHERE SINL SINLAR SINLAR L CONTRET INFLOOR INSIDE DUALTION SINT SINLAR SINLAR MU CONTRET INFLOOR INTERNATION SINT SINLAR SINLAR MU CONTRET INFLOOR INTERNATION SINT SINLAR SINT MU CONTRET INFLOOR INTERNATION SINT SINLAR SINT MU CONTRET INFLOOR INT				CONDITIONING	RO	ROUGH OPENING
CASE CENTER OF GRAVITY OF STRAND CP INSULATED CONCRETE-FORMS SQL STRUCTURAL CONFOSTE LUL P CAST IN FLACE D INSULATED CONCRETE-FORMS SQL STRUCTURAL DEVICE P COMPRESSIONT IJ ISOLATION JOINT SECT STRUCTURAL DEVICE P COMPRESSIONT IJ ISOLATION JOINT SECT STRUCTURAL DEVICE L CENTRE LINE INPO INFORMATION SIL SILE SILE L CENTRE LINE INPO INFORMATION SILE SILE SILE L CELL SILE SILE SILE SILE SILE L CELL SILE	EM	CEMENT. CEMENTITIOUS	IBC	INTERNATIONAL BUILDING CODE	SCHED	SCHEDUILE
IP CAST IN PLACE ID INSIDE DIAMETER SEC STUDUTURAL DINT JL CONTROL JOINT PERTRATION IN NOLL INCLUENT SECT SECT SECT JL CONTRETE LIVE INSIDE DIAMETER SECT SECT SECT L CONTRETE MAGE INSIDE DIAMETER SECT SECT SECT L CENTRE LIVE INSIDE DIAMETER SECT SECT SECT L CENTRE LIVE INSIDE DIAMETER SECT SECT SECT L CONCRETE MAGONRY UNIT INT INTEROR SIM SIMME SIMPLAND SINCH DOUT CONCRETE JUT INTEROR SIM SIMME SIMPLAND SINCH SIMME SIMPLAND	GS	CENTER OF GRAVITY OF STRAND	ICF	INSULATED CONCRETE FORMS	SCL	STRUCTURAL COMPOSITE LUMBER
J CONTROL_JOINT U ISOLATION JOINT SECTION LP COMPLETE JOINT PERTATION IN INCH_INCHES SF SOUARE FEET L CELING INFO INFORMATION SGL SINGLE L CELING INSUL INSULATION SINGLE SINGLE LR CLEAR INSUL INSULATION SINT SINTERCONCETTON COULDING COUNTION INT INTERIOR SIM SOUNCAD SIM SOUNCAD CONSTRUCTION INT JOINT, JOINTS SIG SIM CONCENTORING CONDUCTION K KIP KINCPOUND (000 POUNDS) SIT STAILESS STELL CONDUCTON K KIP KINCPOUND (000 POUNDS) SIT STAILESS STELL CORDURCTON K KIP KINCPOUND (000 POUNDS) SIT STAILESS STELL CORDURCTON KAPT KINCPOUND (000 POUNDS) SIT STAILESS STELL CORDURAL LAN LAINTERLET, LAINTERET, LAINTERET	IP	CAST IN PLACE	ID	INSIDE DIAMETER	SE	STRUCTURAL ENGINEER
PAP COMPLETE JUNT PENETRATION IN INCH. INCHES SF SOUARE FEET L CENTRE LINE INSP INSPECTION Solt SINULE L3 CELING INSPECTION Solt SINULE L4 CELING INSPECTION SHTG SINULE L3 CELING INSPECTION SHTG SINULE L3 COLUMN INSUL INSUL SINULE SINULE L3 COLUMN INSUL INSUL SINULE SINULE SINULE L3 COLUMN INT INT JOINT. JOINTS SINUE SINULE L3 CONTROL JT JOINT. JOINTS SINUE SINUE SINUE L3 CONTROL K K KUCPOUND. (1000 POUNDS) SIN SINUE SIN	, J	CONTROL JOINT	IJ	ISOLATION JOINT	SECT	SECTION
L CENTER LINE INFO MARLON SGL SINGLE GENERATION INVESTION SHT SHEATHING SHT SHEATHING AU CONCRETE MASONRY UNIT INVESTION SHT SHEATHING SHT SHEATHING AU CONCRETE GUMPENSATION INV INVESTION SIG SUB ANDRY UNIT SIG SIG SUB ANDRY UNIT SIG </td <td>;JP</td> <td>COMPLETE JOINT PENETRATION</td> <td></td> <td>INCH, INCHES</td> <td>SF</td> <td>SQUARE FEET</td>	;JP	COMPLETE JOINT PENETRATION		INCH, INCHES	SF	SQUARE FEET
LER CLEAR INSUL INSULATION SITU SITU SITU SITU NU CORRETE MARONRY UNIT INT INTERIOR SITU SITU SITU SITU CAL COLLMAN INT INTERIOR SITU SITU SITU SITU CAL COLLMAN INT INTERIOR SITU SITU SITU SITU CAL COLRECTE MARONRY UNIT INT INTERIOR SITU SITU SITU CAL CORRECTE MARONRY UNIT INT INTERIOR SIT SITU SITU CORR CONDECONON KIP JOINTS SITU SITUETIONS SITUETIONS CONTINUCUS KIP KILOPOUND (1000 POUNDS) SIT SITUETIONS SITUETIONS CONTRUCTION KIP KILOPOUND (1000 POUNDS) SIT SITUETIONS CONTRUCTION KIP KILOPOUND (1000 POUNDS) SIT SITUETIONS CONTROL LAM LAMINATELAMINATED SUP SUPPRIDED SITUETION LAM LAMINATELAMINATED SUP SUPPRIDED SITUETION LG LAMINATELAMINATED SUP SUPPRIDED SITUETION LG LAMINATELAMINATED SUP <td>L L</td> <td></td> <td></td> <td></td> <td>SGL</td> <td>SINGLE</td>	L L				SGL	SINGLE
Date CONCRETE MASONRY UNIT INT INTERIOR Date D	il R	CLEAR	INSU		SHI	
OL COLUMN INV INVERT SUP SUM=200 NATEONC TE ONP COMPOSITE_COMPAINE_ONE J JOINT, JOINTS SUP	MU	CONCRETE MASONRY UNIT	INT	INTERIOR	SHIG	
OMP COMPOSITE_COMPENSATION JT JONT_JOINTS SUM SUM <t< td=""><td>OL</td><td>COLUMN</td><td>INV</td><td>INVERT</td><td>SIMP</td><td>SIMPSON STRONG TIE</td></t<>	OL	COLUMN	INV	INVERT	SIMP	SIMPSON STRONG TIE
CMC CONCRETE JT JOINT JOINTS SGG SLAB_ON CRADE SND CONNECTION K K KLPCPOT(100 POUND) (500 POUND) (500 SPECIFICATIONS) SRC SNNT CONNECTION K-FT KLPPCOT(100 POUND) (500 POUND	OMP	COMPOSITE, COMPENSATION			SL	SNOIW LOAD
OND CONDITION SPEC SPECTION SPECTION CONSTRUCTION k KILOPOUND (1000 POUNDS) SQ SQUARE CONSTRUCTION K+F KILOPOUND (1000 POUNDS) ST <	ONC	CONCRETE	JT	JOINT, JOINTS	SOG	SLAB ON GRADE
UNN CUMBELIUM K K K K KUPOUNU (1000 POUND FEPT) SS STANLESS STELL ONT CONTINUOUS K K K KUPOUNU (1000 POUND FEPT) SS STANLESS STELL ONT CONTINUOUS K K POUNUS (1000 POUND FEPT) SS STANLESS STELL ST STANDARD ST ST ST STANDARD ST ST ST STANDARD ST ST S	OND	CONDITION			SPEC	SPECIFICATIONS
ONT CONTINUOUS NOT KILDPOUND (1000 POUND) ST STAIAULESS STELL OORD COORDINATE KILDPOUND (1000 POUND) ST STAIAULESS STELL OORD COORDINATE L ANGLE, LEFT, LENGTH STRUCT STRUCT TR CONTROL LA ANGLE, LEFT, LENGTH STRUCT STRUCT TR CONTROL LAT LATERAL Sys SYSTEM U CUBIC LF LINEAL FEET, LINEAR FEOTAGE T TREAD UST CUSTOM LG LONG Tab TOP AND BOTTOM UST CUSTOM LG LONG Tab TOP AND BOTTOM UST CUSTOM LIN LINEAL FEET, LINEAR FOOTAGE T TREAD EL DEFORMED BAR ANCHOR LIN LINEAL FEET, LINEAR FOOTAGE T TENDON EL DOUBLE LIN LINEAL FEET, LINEAR FOOTAGE T TENDON TO EL DOUBLE LIN LINEAL FEET, LINEAR FOOTAGE T TAN					SQ	SQUARE
CORDINATE No. No. No. ST. U. ST. U. ST. U. ORR CORRIDOR L ANGLE, LET, LENGTH ST. U. ST. U. ST. U. ST. U. ORR CORNICAL LAT LATLERAL SUSP. SUSP. DED SUSP. SUSP. DED TRL CONTROL LAT LATERAL SVS SYS SYSTEM U CUBIC LF LINEAL FEET, LINEAR FOOTAGE T TREAD U CUBIC LF LINEAL FEET, LINEAR FOOTAGE T TREAD U CUBIC VARD LG LINEAL FEET, LINEAR FOOTAGE T TREAD U CUBIC VARD LIN LINEAR TAT TREAD UNT CUSTOM LG LINEAR TAT TREAD BL DOUBLE LIN LINEAR TAT TREAD EFI DEFACTION LIV LONG LEG HORZONTAL TAN TANDARD EFI DEFAIL LS LONG LEG HORZONTAL TAN TANDARD EFI DEFAIL LS LONG SLOTTED TOC TOC TOC EFI DEFAIL LS LONG SLOTTED TOC TOP OF PEAN LA DAMAETER LS L	ONT	CONTINUOUS	KIP		I SS	STAINLESS STEEL
ORR CORRIDOR L ANCLE_LEPT_LENGTH STRUCT STRUCT STRUCT STRUCT TR CENTER LAT LATERAL SUSP SUSPENDED SUSPENDED TSK COUNTRCSINK LB POLIND SYS SYSTEM U CUBIC LF LINEAL FEET, LINEAR FOOTAGE T TREAD UST CUBIC LG LONG TAB TOP AND BOTTOM LS CUBIC LN LINEAL FEET, LINEAR FOOTAGE T TREAD AB DEFORMED BAR ANCHOR LL LINEAL FEET, LINEAR FOOTAGE T TOP OF BL DOUBLE LIN LINEAL FEET, LINEAR FOOTAGE T TREADED EL DEFORMED BAR ANCHOR LL LIVE LOAD TAN TANCENT EL DEFORMED BAR ANCHOR LL LIVE LOAD TAN TANCENT EL DEFORMED BAR ANCHOR LL LIVE LOAD TAN TANCENT EL DEFORMED BAR ANCHOR LL LINE L LINEAL FEET, LINEAR FOOTAGE TO TOP OF OF DEAM EL DOUBLE LINT LINTE LINEAL FEET, LINEAR FOOTAGE TON TAN EA DOUBLE LINT LINEAL FEET, LINEAR FOOTAGE </td <td>OORD</td> <td>COORDINATE</td> <td></td> <td></td> <td>STI</td> <td>STEEL</td>	OORD	COORDINATE			STI	STEEL
IFR CMTER LAM LAMINATE, LAMINATED SUSPENED IFR CONTROL LAT LATERAL SYS SYSTEM TSK CUNTERSINK LB POUND T TREAD USTO CUSTOM LB POUND TAB TOP AND BOTTOM UST CUSTOM LG LONG TAB TOP AND BOTTOM V CUSTOM LG LONG TAB TOP AND BOTTOM SYSTEM LIN LINEAR TAG TONGUE AND GROOVE LIN LINEAR FOOTAGE TA TRED ADUBLE LIN LINEAR FOOTAGE TA TRENDON FORCE SA DEFORMED BAR ANCHOR LL LINE LONG LEG VERTICAL TAN TANGENT SEG DEGREE LIN LINE LONG SIGE VERTICAL TAN TANGENT SFI DEFALECTION LS LONG SIGE HORIZONTAL TAN TANGENT EM DEMOLITION LS LONG SIGE HORIZONTAL TOB TOP OF COLUMN, TOP OF CUR EA DIAGONAL LS LONG SIGE HORIZONTAL TOJ TOP OF COLUMN, TOP OF CUR G DEGREE LINT LINTEL LAMINATED VENEER LUMBER TOJ TOP OF COLUMN, TOP O	ORR	CORRIDOR	L	ANGLE, LEFT, LENGTH	STRUCT	STRUCTURAL
TRL CONTROL LAT LAT LAT LAT SYS SYSTEM TSK COUNTERSINK LB POLNO T TERAD U CUBIC LF LINEAL FEET, LINEAR FOOTAGE T TERAD Y CUBIC YARD LIN LINEAL FEET, LINEAR FOOTAGE TAG TONGUE AND GROOVE Y CUBIC YARD LIN LINEAL FEET, LINEAR FOOTAGE TA TENSION FORCE BA DEFORMED BAR ANCHOR LL LIVE LOAD T TENSION FORCE EL DOUBLE LLH LONG LEG HORIZONTAL TAN TANGENT EL DEFLECTION LLY LONG LEG VERTICAL TAN TANGENT EG DEGREE LINTL LINTEL THRD THRD THREADED EFT DEFARTMENT LS LONG SLOTED TOC TOP OF POSTING IA' DIAMETER LSL LAMINATED STRAND LUMBER TOF TOP OF POSTING IA' DIAMETER LSL LAMINATED STRAND LUMBER TOL TOP OF POSTING IA' DAMINSON LTW LIGHT WEIGHT TOL TOP OF POSTING IA' DAWINGS MAX MAXIMUM TOP TOP OF POR FILENTOP OF PLATE	TR	CENTER	LAM	LAMINATE, LAMINATED	SUSP	SUSPENDED
TSK CUNTERSINK LB POUND T TREAD UST 0 CUBIG LF LINEAR FEDT. LINEAR FOOTAGE T TREAD Y CUBIC YARD LIN LINEAR Tag TOP AND BOTTOM Y CUBIC YARD LIN LINEAR Tag TOP OF BA DEFORMED BAR ANCHOR LIN LINEAR Tag TOP OF BL DOUBLE LIN LINE LGE HORIZONTAL TAN TANDENT EFL DEFLECTION LIV LONG LONG LEG VERTCAL THK THRCA EFL DEFLECTION LIV LONG LONGTUDINAL TOB TOP OF BEAM EFT DEFAIL LS LONG SIDE HORIZONTAL TOF TOP OF POTING EAG DIAMETER LS LONG SIDE VERTICAL TOF TOP OF POTING LA DIAMETER LS LONG SIDE VERTICAL TO TOP OF POTING LA DIAMETER LS LONG SIDE VERTICAL TO TOP OF POTING LA DIAMETER LS LONG SIDE VERTICAL TOL TOD OF OJOST LA DIAMETER LS LONG SIDE VERTICAL TOL TOD OF OLLINEL, LANDING MG DRAVINGS<	TRL	CONTROL	LAT	LATERAL	SYS	SYSTEM
U CUBIC UPIC LINEAR FOOTAGE T TREAD UST CUSTOM LG CONTON LG CONTON LINEAR FOOTAGE T TREAD Y CUBIC YARD LIN LINEAR LINEAR FOOTAGE TAB TOP AND BOTTOM Y CUBIC YARD LIN LINEAR LINEAR FOOTAGE TAB TOP AND BOTTOM LIN LINEAR TAB TAB TOP AND BOTTOM LIN LINEAR LINEAR FOOTAGE TAB TOP AND BOTTOM LIN LINE LINEAR FOOTAGE TAB TOP AND BOTTOM TAB TOP AND BOTTOM LIN LINE LINEAR FOOTAGE TAB TAB TOP OF ORDER BA DEFORMED BAR ANCHOR LL UWE LOAD TE TENSION FORCE BL DOUBLE LLIN LINTEL TAN TANGENT EFL DEFLECTION LLV LONG LEG HORIZONTAL TAN TANGENT EFT DEFARIMENT LS LONG SLOTTED TO TOP OF COLUMN, TOP OF CUR OF CONCRETE LAD DIAMETER LSL LAMINATED STRAND LUMBER TOF TOP OF FOOTING IAG DIAGGONAL LSV LONG SLOTTED TOL TOP OF FOOTING IAG DIAGGONAL LSV LONG SLOTTED TOL TOP OF POOTING IAG DIAGGONAL LSV LONG SLOTTENCL ID EAD LOAD WG DRAWING MAX MAXIMUM TO TOP OF OP OF PAVEMENT WGS DRAWINGS MB MACHNEB OLT TOT TOP OF PAVEMENT WGS DRAWINGS MB MACHNEB OLT TOR TOP OF PAVEMENT WGS DRAWINGS MB MACHNEB OLT TRANS VERASE F EACH FACE MECH MECHANICAL, ELECTRICAL, PLUMBING UNO UNLESS NOTED OTHERWISE LIN ELEVATION MFR MANUFACTURER LEV ELEVATOR MISC MISCELLANEOUS CHANNEL TOW TOP OF WALL EVENT FOR INSULATED FINISH MEP MECHANICAL, ELECTRICAL, PLUMBING UNO UNLESS NOTED OTHERWISE LEVATOR MISC MISCELLANEOUS VFY VERTY VERTY NELD OF EDGE OF FLATE MISC MISCELLANEOUS VFY VERTY NELD OF EDGE OF FLATE MISC MISCELLANEOUS VFY VERTY NIFELD OF EDGE OF FLATE MISC MISCELLANEOUS VFY VERTY NIFELD OF EDGE OF FLATE MISC MISCELLANEOUS VFY VERTY NIFELD OF EDGE OF FLATE MISC M	TSK	COUNTERSINK	LB	POUND		
US1 00 LG LNG TAB TOP AND BOTTOM Y CUBIC YARD LIN LINEAR TAG TONGUE AND GROOVE A DEFORMED BAR ANCHOR LIN LINEAL FEET, LINEAR FOOTAGE T/ TOP OF BL DOUBLE LIN LINEAL FEET, LINEAR FOOTAGE T/ TOP OF BL DOUBLE LIN LINEL LIVE LOAD TAN TANGENT EFL DEFORMED BAR ANCHOR LL LIVE LOAD TAN TANGENT EG DEGREE LINTL LINTL THK THIKK THIKK END DEFOLITION LONG LONG SLOTTED TOC TOP OF OLIMIN, TOP OF CUR END DEPARTMENT LS LONG SLOTTED TOC TOP OF OFOILMS, TOP OF OPA IA-Ø DIAMETER LS LAMINATED STRAND LUMBER TOF TOP OF OFOILMS, TOP OF OPA IA-Ø DIAMETER LS LAMINATED STRAND LUMBER TOL TOP OF OPALMACE IA-Ø DIAMETER LS LAMINATED STRAND LUMBER TOL TOP OF POTING IAG DIAGONAL LSV LONG SIDE VERTICAL TOJ TOP OF OPALMACE IA DACONA LSV LING SIDE VERTICAL TOJ TOP OF P	U	CUBIC		LINEAL FEET, LINEAR FOOTAGE	Т	TREAD
LIN FT LINEAL FEET, LINEAR FOOTAGE T/ DP OF AND GROUPE LIN FT LINEAL FEET, LINEAR FOOTAGE T/ DP OF AND GROUPE AND GROUPE LL LIN FT LINEAL FEET, LINEAR FOOTAGE T/ DP OF AND GROUPE AND GROUPE LL LIN LIVE LOAD T= TENSION FORCE TAIL DEFLECTION LL LIVE LOAD LLU LUVE LOAG LEG HORIZONTAL TAN ETAILOR FEE DEFLECTION LLV LONG LEG HORIZONTAL THK THICK THCK THCK THCK THCK THCK THCK THCK TH	V51 V				T&B	
BA DEFORMED BAR ANCHOR LL LIVE LOAD T= TENSION FORCE BL DOUBLE LH LONG LEG HORIZONTAL TAN TANCENT EFL DEFLECTION LLV LONG LEG VERTICAL THK THICK EGR DEGREE LNTL LINTEL THRD THREADED EGO DEGREE LNTL LINTEL THRD THREADED EPT DEPARTMENT LS LONG SLOTED TOC TOP OF COLUMN, TOP OF CUR A: 0 DIAMETER LSL LAMINATED STRAND LUMBER TOF TOP OF POTING A: 0 DIAGONAL LSV LONG SLOE VERTICAL TOJ TOP OF OP JOIST MDIMENSION LTVT LIGHT WEIGHT TOL TOP OF PIER, TOP OF PLATE VG DRAWING MAX MAXIMUM TOPV TOP OF PIER, TOP OF PLATE WG DRAWINGS MAX MAXIMUM TOPV TOP OF STEEL, TOP OF SLAB WUL DOWEL MC MASCELANECOUS CHANNEL TWN TRANSUCENT FF<	•			LINEAL FEET, LINEAR FOOTAGE		
BL DOUBLE LLH LONG LEG HORIZONTAL TAN TANGENT EFL DEFLECTION LLV LONG LEG VERTICAL THK THICK EFL DEFLECTION LLV LONG EQ VERTICAL THK THICK EMD DEMOLITION LONG LONG SLOTTED THK THREADED EMD DEMOLITION LONG LONG SLOTTED TOC TOP OF BEAM ET DETAIL LS LONG SLOTTED TOC TOP OF COLUMN, TOP OF CUR AG DIAMETER LSL LAMINATED STRAND LUMBER TOF TOP OF FOOTING IAG DIAMONAL LSV LONG SIDE VERTICAL TOL TOP OF FOOTING IAG DIAGONAL LSV LONG SIDE VERTICAL TOL TOP OF FOOTING IAG DIAGONAL LSV LONG SIDE VERTICAL TOL TOP OF POTING IAG DIAGONAL LSV LONG SIDE VERTICAL TOL TOP OF POTING IAG DIAGONAL LSV LONG SIDE VERTICAL TOL TOP OF POTING IAG DAGONAL LSV LAMINATED VENEER LUMBER TOP TOP OF PAZEMENT WG DEAD LOAD TOP TOP OF STEEL, TOP OF SLAB TOP OF STEEL, TOP OF SLAB WGS	BA	DEFORMED BAR ANCHOR		LIVE LOAD	T=	TENSION FORCE
EFL DEFLECTION LLV LONG LEG VERTICAL THK THK EG DEGREE LNTL LINTEL THRD THRD THRD EMO DEMOLITION LONG LONG SLOTTED TOC TOP OF BEAM EPT DEFARTMENT LS LONG SLOTTED TOC TOP OF FOOTING IA-Ø DIAMETER LSL LAMINATED STRAND LUMBER TOF TOP OF FOOTING IAGONAL LSV LONG SIDE VERTICAL TOJ TOP OF JOINT IAG DIAMENSION LTV T LIGHT WEIGHT TOL TOP OF JOINT KG DECKING LVL LAMINATED VENEER LUMBER TOL TOLERANCE L DEAD LOAD TOP TOP OF PAVEMENT TOP TOP OF PAVEMENT WG DRAWINGS MAX MAXIMUM TOPV TOP OF PAVEMENT WGS DRAWINGS MB MACHINE BOLT TOS TOP OF OF SLAB WL DOWEL MC MISCELLAPEOUS CHANNEL TOW TOP OF OF AVEMENT KS EACH MECH MEDHANICAL, ELECTRICAL, TRANSLUCENT TRANSLUCENT F EACH MECH MEDHANICAL, ELECTRICAL, TRANSLUCENT TANSLUCENT LEVATION <td>BL</td> <td>DOUBLE</td> <td>LLH</td> <td>LONG LEG HORIZONTAL</td> <td>TAN</td> <td>TANGENT</td>	BL	DOUBLE	LLH	LONG LEG HORIZONTAL	TAN	TANGENT
LEG LEGKEL LNTL LINTEL THRD THRED THRED THRED THRED TOP OF BEAM EPT DEPARTMENT LS LONG SLOTTED TOC TOP OF COLUMN, TOP OF CUR La DIAMETER LSL LAMINATED STRAND LUMBER TOF TOP OF CONCRETE La DIAMETER LSL LAMINATED STRAND LUMBER TOJ TOP OF CONTING IA-Ø DIAMETER LSL LAMINATED STRAND LUMBER TOJ TOP OF POTING IA-Ø DIAMETER LSV LONG SIDE VERTICAL TOJ TOP OF OF COLUMN, TOP OF CUR IAGONAL LSV LONG SIDE VERTICAL TOJ TOP OF FOLDING IAGO DIAGONAL LSV LONG SIDE VERTICAL TOJ TOP OF DIST IM DIMENSION LTWT LIGHT WEIGHT TOL TOLERANCE IM DEAD LOAD TOP TOP OF PIER, TOP OF PLATE TOS TOP OF STEEL, TOP OF STEEL, TOP OF SLAB WG DRAWINGS MB MACHINE BOLT TOS TOP OF STEEL, TOP OF SLAB WGL DOWEL MCJ MASONRY CORTROL JOINT TRANS TRANSURERE IF<	EFL	DEFLECTION	LLV		ТНК	THICK
LENKL ITURNLUNGLUNGLUNG ITUNALTOBTOP OF BEAMEPTDEPARTMENTLSLONG SLOTTEDTOCTOP OF COLUMN, TOP OF CURETDETAILLSHLONG SIDE HORIZONTALOF CONCRETEIA-ØDIAMETERLSLLAMINATED STRAND LUMBERTOJTOP OF FOOTINGIAGDIAGONALLSVLONG SIDE VERTICALTOLTOP OF FOOTINGIAGDIAMESIONLT WTLIGHT WEIGHTTOLTOP OF DISTIMDEAD LOADTOPTOP OF OP FRANCETOPTOP OF OP FRANCEWGSDRAWINGMAXMAXIMUMTOP OF OP FAXEMANCEWGSDRAWINGSMBMACHINE BOLTTOSTOP OF OP FRANCEWGSDAWINGSMBMACHINE BOLTTOSTOP OF OP FAXEMENTWGSDAWINGSMBMACHINE ALNAEOUS CHANNELTOWTOP OF OF OF GALBWILDOWELMCMISCELLANEOUS CHANNELTOWTOP OF OF OF GALBFEACH FACEMECHMECHMECHANICALTRANSUCENTFEACH FACEMEMBMEMBRANETYPTYPICALJEXPANSION JOINTMEZZMEZZANINEUNOUNLESS NOTED OTHERWISEJEXPANSION JOINTMEZZMEZZANINEUTILUTILLLECELECATICALMINMINIMUMVERTVERTLECELECATICALMINMINIMUMVERTVERTICALLECELECATICALMINMINIMUMVERTVERTICALLECELEC	EG	DEGREE	LNTL		THRD	THREADED
L. DETAIL LSH LONG SLOT TLD TOP OF CULLINN, TOP OF CULL IA - Ø DIAMETER LSH LONG SLOT TLD OF CONCRETE IAG DIAMETER LSL LAMINATED STRAND LUMBER TOF TOP OF FOOTING IAG DIAMETER LSV LONG SIDE HORIZONTAL TOJ TOP OF FOOTING IAG DIAMETER LSV LONG SIDE HORIZONTAL TOJ TOP OF FOOTING IAG DIAMETER LSV LONG SIDE HORIZONTAL TOJ TOP OF FOOTING IAG DIAMETER LSV LONG SIDE VERTICAL TOJ TOP OF FOOTING IAG DIAMENSION LT WT LIGH WEIGHT TOL TOLERANCE WG DRAWINGS MAX MAXIMUM TOPV TOP OF PAVEMENT WGS DRAWINGS MB MACHINE BOLT TOS TOP OF VALL MU DOWEL MC MISCELLANEOUS CHANNEL TOW OF VALL MG MASONRY CONTROL JOINT TRANS TRANSURERSE A EACH MECH MECHANICAL, ELECTRICAL, TRANSL J EXPANSION JOINT MEZZ MEZZANINE UNO UNESS NOTED OTHERWISE J EXPANSION JOINT MEZZ MEZZANINE UTU	⊏IVIU FPT				TOB	
A - ØDIAMETERLSLLAMINATED STRAND LUMBERTOFTOF OF FOOTINGHAGDIAGONALLSLLAMINATED STRAND LUMBERTOFTOP OF JOISTHMDIMENSIONLT WTLIGHT WEIGHTTOLTOP OF JOISTIMDIMENSIONLT WTLIGHT WEIGHTTOLTOLERANCELDEAD LOADLVLLAMINATED VENEER LUMBERTOLTOLERANCELDEAD LOADTOP OF OF PIER, TOP OF PLATETOP OF OF OF STEEL, TOP OF PLATEWGSDRAWINGMAXMAXIMUMTOPVTOP OF OF STEEL, TOP OF STABWULDOWELMCMISCELLANEOUS CHANNELTOWTOP OF OF STEEL, TOP OF STABWLDOWELMCMISCELLANEOUS CHANNELTOWTOP OF OF WALLFEACHMECHMECHANICALTRANSLUCENTFEACH ACEMEMBMEMBRANETYPTYPICALIFSEXTERIOR INSULATED FINISHMEPMECHANICAL, ELECTRICAL, PLUMBINGUNOUNLESS NOTED OTHERWISEJEXPANSION JOINTMEZZMEZZANINEUTILUTILUTILLTYLECELEVATIONMFRMANCACTURERUNOUNOUNLESS NOTED OTHERWISEJEXPANSION JOINTMEZZMEZZANINEUTILUTILLUTILLLECELEVATIONMFRMANCACTURERUTILUTILLLECELEVATIONMFRMANCACTURERWIFVIFODEDGE OF DECKMTLMETALWSNOW DRIFT WIDTHOPEDGE OF PLATE </td <td>ET</td> <td>DETAIL</td> <td>LSH</td> <td>LONG SIDE HORIZONTAI</td> <td></td> <td>OF COLUMIN, TOP OF CURB, TO OF CONCRETE</td>	ET	DETAIL	LSH	LONG SIDE HORIZONTAI		OF COLUMIN, TOP OF CURB, TO OF CONCRETE
HAGDIAGONALLSVLONG SIDE VERTICALTOUTOP OF JOISTIMDIMENSIONLT WTLIGHT WEIGHTTOLTOP OF DISTIKGDECKINGLVLAMINATED VENEER LUMBERTOLTOL TOP OF PLATELILDEAD LOADTOPTOP OF PIER, TOP OF PLATETOPTOP OF OF PAVEMENTWGSDRAWINGMAXMAXIMUMTOPVTOP OF PAVEMENTWGSDRAWINGSMBMACHINE BOLTTOSTOP OF OF VALLEWLDOWELMCMISONRY CONTROL JOINTTRANSTRANSUCENTAEACHMCHMECHANICALTRANSLTRANSLUCENTFEACH FACEMEM MERANETYPTYPICALIFSEXTERIOR INSULATED FINISHMEPMECHANICAL, ELECTRICAL, PLUMBINGUNOUNLESS NOTED OTHERWISEJEXPANSION JOINTMEZZMEZZAININEUTILUTILUTILLEVELEVATORMINMINIMUMVERTVERTYVERTYNGRENGINEERMOMASONRY OPENINGVFYVERTYVERTYOPEDGE OF PLATEMTLMETALWSNOW DRIFT WIDTHQEDGE OF SLABMULMULLIONW/WWITHQEOGUALNNORTHWCJWALL CONTRACTION JOINTQEOGUALNNOT NO TIN CONTRACTWDWOODQEACH SIDENONOMNOMINALWFWIDE FLANGEQFEACH SIDENONOMNOMINALWPWOOD <td> IA - Ø</td> <td>DIAMETER</td> <td>LSL</td> <td>LAMINATED STRAND LUMBER</td> <td>TOF</td> <td>TOP OF FOOTING</td>	 IA - Ø	DIAMETER	LSL	LAMINATED STRAND LUMBER	TOF	TOP OF FOOTING
IMDIMENSIONLT WTLIGHT WEIGHTTOLTOP OF LINTEL, LANDINGKGDECKINGLVLLAMINATED VENEER LUMBERTOLTOLERANCEWGDRAWINGMAXMAXIMUMTOP OF OP FIER, TOP OF PLATEWGSDRAWINGSMAMAXIMUMTOP VTOP OF STEEL, TOP OF OF WALLWUDOWELMCMASONRY CONTROL JOINTTRANSTRANSVERSEAEACHMECHMECHANICALTRANSLTRANSUCENTFEACH FACEMEMBMEMBRANETYPTYPICALIFSEXTERIOR INSULATED FINISHMEPMECHANICAL, ELECTRICAL, PLUMBINGUNOUNLESS NOTED OTHERWISEJEXPANSION JOINTMEZMEZZANINEUTILUTILLELEVATIONMFRMANUFACTURERUTILUTILLECELEVATORMINMINMUMVERTVERTYNGRENGINEERMOMASONRY OPENINGVIFVERIFY IN FIELDOPEDGE OF DECKMTLMETALWSNOW DRIFT WIDTHOREDGE OF PLATEMTLMETALWOWITHOREDGE OF SLABNONORTHWCJWALL CONTRACTION JOINTQEQUALNNOT IN CONTRACTWD <td< td=""><td>IAG</td><td>DIAGONAL</td><td>LSV</td><td>LONG SIDE VERTICAL</td><td>TOJ</td><td>TOP OF JOIST</td></td<>	IAG	DIAGONAL	LSV	LONG SIDE VERTICAL	TOJ	TOP OF JOIST
KGDECKINGLVLLAMINATED VENEER LUMBERTOLTOLERANCELDEAD LOADTOPTOP OF PIER, TOP OF PLATETOPTOP OF PIER, TOP OF PLATEWGDRAWINGMAXMAXIMUMTOPVTOP OF STEEL, TOP OF PLATEWGSDRAWINGSMBMACHINE BOLTTOSTOP OF STEEL, TOP OF SLABWLDOWELMCMISCELLANEOUS CHANNELTOWTOP OF WALLAEACHMCMISCELLANEOUS CHANNELTOWTOP OF WALLFEACH FACEMECHMECHANICALTRANSUCENTTRANSUCENTFEACH FACEMEMBMEMBRANETYPTYPICALIFSEXTERIOR INSULATED FINISHMEPMIEZZMEZZANINEUNOUNLESS NOTED OTHERWISEJEXPANSION JOINTMEZZMEZZANINEUTILUTILUTILTYLCELECTRICALMIN<	MIM	DIMENSION	LT WT	LIGHT WEIGHT	TOL	TOP OF LINTEL, LANDING
DEAD LOADTOPTOP OF PIER, TOP OF PLATEWGGDRAWINGSMAXMAXIMUMTOPVTOP OF PAVEMENTWGSDDRAWINGSMBMACHINE BOLTTOSTOP OF STEEL, TOP OF SLABWLDOWELMCMISCELLANEOUS CHANNELTOWTOP OF WALLMCJMASONRY CONTROL JOINTTRANSTRANSVERSEAEACHMECHMECHANICALTRANSLTRANSLUCENTFFEACH FACEMEMBMEMBRANETYPTYPICALSYSTEMMEPMECHANICAL, ELECTRICAL, PLUMBINGUNOUNLESS NOTED OTHERWISEJEXPANSION JOINTMEZZMEZZANINEUNOUNLESS NOTED OTHERWISEJLECELECATICALMINMINIMUMVERTVERTICALLECELECATICALMINMINMUMVERTVERIFYNGRENGINEERMOMASONRY OPENINGVFYVERIFY IN FIELDODEDGE OF DECKMTLMETALWOSNOW DRIFT WIDTHORENGINEER OF RECORDMULMULLIONW/OWITHOUTOREDGE OF SLABNNORTHWCJWICDOREQUALNNORTHWCJWIDE FLANGEOREQUALNONOMINALWPWOODSEACH SIDENOMNOMINALWPWORK POINTCACH WAYNOMNOMINALWRWATER RESISTANT, WATERKYTEXPANSIONNWNORMALWEIGHTWRWATER CESISTANT, WATER	KG	DECKING	LVL	LAMINATED VENEER LUMBER	TOL	TOLERANCE
WIG WGSDRAWING DRAWINGSMAX MAXMAXIMUM MAX MAXIMUMTOPV TOP OF PAVEMENTWGS WLDRAWINGSMB MACHINE BOLTTOS TOP OF STEEL, TOP OF SLABWLDOWELMC MCMISCELLANEOUS CHANNELTOW TOP OF WALLAEACHMECH MECHMECHANICALTRANSL TRANSLUCENTFEACH FACEMEMB MEMBRANETYP PLUMBINGTYP UNILIFSEXTERIOR INSULATED FINISH SYSTEMMEP MEP PLUMBINGUNOUNLESS NOTED OTHERWISEJEXPANSION JOINTMEZZ MEZZANINEUNOUNLESS NOTED OTHERWISELELEVATIONMFR MANUFACTURERUTIL UTILUTILLLECELECTRICAL MINMINMINUMMVERT VERTY VERTY VERTY VERTY VERTY VERTY IN FIELDODEDGE OF DECKMTL METALMETALWSNOW DRIFT WIDTH W/WORENGINEER OF RECORD EDGE OF DECKMUL MULMULLIONW/WWITHOUTOREDGE OF SLABN NORTHNORTHWCJ WCJWIDE FLANGEQEQUAL CUIPNICNOT IN CONTRACT NOM NOMINALWD WOODWOODSEACH SIDENOM NOMINALWF WORK POINTWIDE FLANGEVTEXPANSIONNOWNOMINALWP WORK POINTXISTEXISTINGNTSNOT TO SCALEWR WR RESISTANT, WATER RESISTANT, WATER RESISTANT, WATER		DEAD LOAD			TOP	TOP OF PIER, TOP OF PLATE
WildDOWELMCMISCELLANEOUS CHANNELTOSTOP OF SLEEL, TOP OF SLABAEACHMCMISCELLANEOUS CHANNELTOWTOP OF WALLFEACH FACEMECHMECHMECHANICALTRANSLTRANSLUCENTIFSEXTERIOR INSULATED FINISH SYSTEMMEPMECHANICAL, ELECTRICAL, PLUMBINGUNOUNLESS NOTED OTHERWISEJEXPANSION JOINTMEZZMEZZANINEUTILUTILUTILTYLELEVATIONMFRMANDFACTURERUTILUTILLUTILTYLECELEVATORMISCMISCELLANEOUSVFYVERTVERTYNGRENGINEERMOMASONRY OPENINGVIFVERIFYNGRENGINEERMOMASONRY OPENINGVIFVERIFYODEDGE OF DECKMTLMETALWSNOW DRIFT WIDTHORENGINEERMULMULLIONW/WWITHOSEDGE OF SLABMULMULLIONW/WWITHQEQUALNNORTHWCJWALL CONTRACTION JOINTQEQUALNNORTHWCJWALL CONTRACTION JOINTQEQUALNONUMBERWFWOODSEACH SIDENONUMBERWFWOER POINTXISTEXISTINGNOT TO SCALEWRWATER RESISTANT, WATERXYEXTENDORNWNORMAL WEIGHTWRWATER RESISTANT, WATER	WG	DRAWING			TOPV	
MC <td>WGS</td> <td>DOWEL</td> <td>MC</td> <td>MACHINE BOLT MISCELLANEOUS CHANNEL</td> <td>TOS</td> <td>TOP OF STEEL, TOP OF SLAB</td>	WGS	DOWEL	MC	MACHINE BOLT MISCELLANEOUS CHANNEL	TOS	TOP OF STEEL, TOP OF SLAB
AEACHMECHMECHANICALTRANSLTRANSLUCENTIFSEACH FACEMEMBMEMBRANETYPTYPICALIFSEXTERIOR INSULATED FINISH SYSTEMMEPMECHANICAL, ELECTRICAL, PLUMBINGUNOUNLESS NOTED OTHERWISEIJEXPANSION JOINTMEZZMEZZANINEUNOUNLESS NOTED OTHERWISEILCELEVATIONMFRMANUFACTURERUNOUNLESS NOTED OTHERWISEILECELEVATORMINMINIMUMVERTVERTVERTICALILEVELEVATORMISCMISCELLANEOUSVFYVERIFYODEDGE OF DECKMTLMETALVIFVERIFY IN FIELDODEDGE OF PLATEMTLMETALWSNOW DRIFT WIDTHOSEDGE OF SLABVIIWILLIONW/WITHOSEDGE OF SLABNONORTHWCJWALL CONTRACTION JOINTQEQUALNNORTHWCJWOODOSEDGE OF SLABNONOMINALWFWIDE FLANGEQEACH SIDENONOMNOMINALWPWORK POINTXISTEXISTINGNTSNOT TO SCALEWRWATER RESISTINT, WATERXYTEXTENDONWNORMAL WEIGHTWRRESISTIVE		DOWLL	MC.J		TRANS	TRANSVERSE
FEACH FACEMEMBMEMBRANETYPTYPICALIFSEXTERIOR INSULATED FINISH SYSTEMMEPMECHANICAL, ELECTRICAL, PLUMBINGUNOUNLESS NOTED OTHERWISEJEXPANSION JOINTMEZZMEZZANINEUNILUTILUTILUTILLELEVATIONMFRMANUFACTURERUTILUTILUTILUTILLECELEVATORMINMINIMUMVERTVERTICALLEVELEVATORMISCMISCELLANEOUSVFYVERIFYNGRENGINEERMOMASONRY OPENINGVIFVERIFY IN FIELDODEDGE OF PLATEMTLMETALVSNOW DRIFT WIDTHORENGINEER OF RECORDMULMULLIONW/WITHOREDGE OF SLABVIFVIFHOUTVIFVERTQEQUALNNORTHWCJWALL CONTRACTION JOINTQPTEQUIPNICNOT IN CONTRACTWDWOODQEACH SIDENONUMBERWFWIDE FLANGEWEACH WAYNOMNOMINALWPWORK POINTXISTEXISTINGNWNORMAL WEIGHTWRWATER RESISTANT, WATERXYEYZPANSIONNWNORMAL WEIGHTWRWATER RESISTANT, WATER	A	EACH	MECH	MECHANICAL	TRANSL	TRANSLUCENT
IFSEXTERIOR INSULATED FINISH SYSTEMMEPMECHANICAL, ELECTRICAL, PLUMBINGUNOUNLESS NOTED OTHERWISEIJEXPANSION JOINTMEZZMEZZANINEUTILUTILUTILUTILUTILILELEVATIONMFRMANUFACTURERUTILUTILUTILUTILUTILILCELEVATORMISCMISCLUANEOUSVERTVERTICALILEVELEVATORMISCMISCLUANEOUSVIFVERIFYINGRENGINEERMOMASONRY OPENINGVIFVERIFY IN FIELDICDEDGE OF DECKMTLMETALWSNOW DRIFT WIDTHIOPEDGE OF PLATEMTLMETALW/OWITHOUTIOSEDGE OF SLABMULMULLIONW/OWITHOUTIOSEDGE OF SLABNNORTHWCJWASL CONTRACTION JOINTIOPEQUIPNICNOT IN CONTRACTWDWOODISSEACH SIDENONUMBERWFWIDE FLANGEWWEACH WAYNOMNOMINALWPWORK POINTXISTEXISTINGNTSNOT TO SCALEWRWATER RESISTANT, WATER RESISTIVEXISTEXISTINGNWNORMAL WEIGHTWAWIDWIDE	F	EACH FACE	MEMB	MEMBRANE	TYP	TYPICAL
SYSTEMPLUMBINGUNOUNLESS NOTED OTHERWISEiJEXPANSION JOINTMEZZMEZZANINEUTILUTILUTILUTILTYiLELEVATIONMFRMANUFACTURERUTILUTILTYIIITYiLCELEVATORMINMINIMUMVERTVERTICALiLEVELEVATORMISCMISCELLANEOUSVFYVERIFYiNGRENGINEERMOMASONRY OPENINGVIFVERIFY IN FIELDiODEDGE OF DECKMTLMETALWSNOW DRIFT WIDTHiOPEDGE OF PLATEMTLMETALW/WITHiOSEDGE OF SLABVIFWITHOUTWOWOODiOQEQUIPNICNORTHWCJWALL CONTRACTION JOINTiOPEACH SIDENONUMBERWFWIDE FLANGEiOVEACH WAYNOMNOMINALWPWORK POINTiXISTEXISTINGNTSNOT TO SCALEWRWATER RESISTANT, WATERiXISTEXPANSIONWWNORMAL WEIGHTWITHRESISTIVE	IFS	EXTERIOR INSULATED FINISH	MEP	MECHANICAL, ELECTRICAL,		
JEAFAINSION SOUNTMEZZMEZZAININEUTILUTILUTILUTILUTILLELEVATIONMFRMANUFACTURERUUU <t< td=""><td></td><td></td><td></td><td></td><td>UNO</td><td>UNLESS NOTED OTHERWISE</td></t<>					UNO	UNLESS NOTED OTHERWISE
LECELECTRICALMINMINIMUMVERTVERTICALLEVELECTRICALMINMINIMUMVERTVERTVERTICALLEVELEVATORMISCMISCELLANEOUSVFYVERIFYNGRENGINEERMOMASONRY OPENINGVIFVERIFY IN FIELDODEDGE OF DECKMTLMETALWSNOW DRIFT WIDTHORENGINEER OF RECORDMULMULLIONW/WITHOSEDGE OF SLABWONORTHWCJWALL CONTRACTION JOINTQEQUALNNORTHWCJWALL CONTRACTION JOINTQPTEQUIPNICNOT IN CONTRACTWDWOODSEACH SIDENONUMBERWFWIDE FLANGEWEACH WAYNOMNOMINALWPWORK POINTXISTEXISTINGNTSNOT TO SCALEWRWATER RESISTANT, WATERXPEXPANSIONNONORMAL WEIGHTWAWATER RESISTANT, WATER	ม I	EAFAINSIUN JUIN I $FI FVATION$		MANI IFACTI IRER	UTIL	UTILITY
LEVELEVATORMISCMISCMISCELLANEOUSVERTICALNGRENGINEERMOMASONRY OPENINGVFYVERTEYODEDGE OF DECKMTLMETALVIFVERTEY IN FIELDOPEDGE OF PLATEMTLMETALWSNOW DRIFT WIDTHORENGINEER OF RECORDMULMULLIONW/WITHOUTOSEDGE OF SLABWONORTHWCJWALL CONTRACTION JOINTQEQUALNNORTHWCJWALL CONTRACTION JOINTQPTEQUIPNICNOT IN CONTRACTWDWOODSEACH SIDENONUMBERWFWIDE FLANGEWEACH WAYNOMNOMINALWPWORK POINTXISTEXISTINGNTSNOT TO SCALEWRWAETER RESISTANT, WATERXPEXPANSIONNWNORMAL WEIGHTVERTER AND	- LEC	ELECTRICAL	MIN	MINIMUM		VERTICAL
NGRENGINEERMOMASONRY OPENINGVIFVERIFYODEDGE OF DECKMTLMETALVIFVERIFY IN FIELDOPEDGE OF PLATEMTLMETALWSNOW DRIFT WIDTHORENGINEER OF RECORDMULMULLIONW/WITHOSEDGE OF SLABMONORTHW/OWITHOUTOQEQUALNNORTHWCJWALL CONTRACTION JOINTOPTEQUIPNICNOT IN CONTRACTWDWOODSEACH SIDENONUMBERWFWIDE FLANGEWEACH WAYNOMNOMINALWPWORK POINTXISTEXISTINGNTSNOT TO SCALEWRWATER RESISTANT, WATERXPEXPANSIONNWNORMAL WEIGHTWRWEISITIVE	LEV	ELEVATOR	MISC	MISCELLANEOUS	VER	VERIFY
ODEDGE OF DECKMTLMETALWSNOW DRIFT WIDTHOPEDGE OF PLATEMTLMETALWSNOW DRIFT WIDTHORENGINEER OF RECORDMULMULLIONW/WITHOSEDGE OF SLABWOWITHOUTW/OWITHOUTOGEQUALNNORTHWCJWALL CONTRACTION JOINTOPTEQUIPNICNOT IN CONTRACTWDWOODSSEACH SIDENONUMBERWFWIDE FLANGEWEACH WAYNOMNOMINALWPWORK POINTXISTEXISTINGNTSNOT TO SCALEWRWATER RESISTANT, WATERXPEXPANSIONNWNORMAL WEIGHTWOWO	NGR	ENGINEER	MO	MASONRY OPENING	VIF	VERIFY IN FIELD
OPEDGE OF PLATEMTLMETALWSNOW DRIFT WIDTHORENGINEER OF RECORDMULMULLIONW/WITHOSEDGE OF SLABNNORTHW/OWITHOUTQEQUALNNORTHWCJWALL CONTRACTION JOINTQPTEQUIPNICNOT IN CONTRACTWDWOODSEACH SIDENONUMBERWFWIDE FLANGEWEACH WAYNOMNOMINALWPWORK POINTXISTEXISTINGNTSNOT TO SCALEWRWATER RESISTANT, WATERXPEXPANSIONNONORMAL WEIGHTWRRESISTIVE	OD	EDGE OF DECK	MTL	METAL		
ORENGINEER OF RECORDMULMULLIONW/WITHOSEDGE OF SLABNNORTHW/OWITHOUTQEQUALNNORTHWCJWALL CONTRACTION JOINTQPTEQUIPNICNOT IN CONTRACTWDWOODSEACH SIDENONUMBERWFWIDE FLANGEWEACH WAYNOMNOMINALWPWORK POINTXISTEXISTINGNTSNOT TO SCALEWRWATER RESISTANT, WATERXPEXPANSIONNWNORMAL WEIGHTWOWOOD	OP	EDGE OF PLATE	MTL	METAL	W	SNOW DRIFT WIDTH
LOSEDGE OF SLABW/OWITHOUTQEQUALNNORTHWCJWALL CONTRACTION JOINTQPTEQUIPNICNOT IN CONTRACTWDWOODSEACH SIDENONUMBERWFWIDE FLANGEWEACH WAYNOMNOMINALWPWORK POINTXISTEXISTINGNTSNOT TO SCALEWRWATER RESISTANT, WATERXPEXPANSIONNWNORMAL WEIGHTWOWOOD	OR	ENGINEER OF RECORD	MUL	MULLION	W/	WITH
QEQUALNNORTHWCJWALL CONTRACTION JOINTQPTEQUIPNICNOT IN CONTRACTWDWOODSEACH SIDENONUMBERWFWIDE FLANGEWEACH WAYNOMNOMINALWPWORK POINTXISTEXISTINGNTSNOT TO SCALEWRWATER RESISTANT, WATERXPEXPANSIONNWNORMAL WEIGHTWOWO	OS O	EDGE OF SLAB		NODTI	W/O	WITHOUT
QFTEQUIPNICNOT IN CONTRACTWDWOODSEACH SIDENONUMBERWFWIDE FLANGEWEACH WAYNOMNOMINALWPWORK POINTXISTEXISTINGNTSNOT TO SCALEWRWATER RESISTANT, WATERXPEXPANSIONNWNORMAL WEIGHTWOWOOD	Q	EQUAL	N		WCJ	WALL CONTRACTION JOINT
WEACH WAYNOMNOMNOMINALWFWIDE FLANGEWEXISTINGNOMNOMINALWPWORK POINTXISTEXISTINGNTSNOT TO SCALEWRWATER RESISTANT, WATERXPEXPANSIONNWNORMAL WEIGHTWRRESISTIVE	ur I S				WD	
XIST EXISTING NTS NOT TO SCALE WR WATER RESISTANT, WATER XP EXPANSION NW NORMAL WEIGHT WR RESISTIVE	W	EACH WAY	NOM	NOMINAL		
XP EXPANSION NW NORMAL WEIGHT RESISTIVE		FXISTING	NTS	NOT TO SCALE	WR	WATER RESISTANT WATER
	XIST		1 I			RESISTIVE
LAI EXTERIOR WS WATERSTOP	EXIST EXP	EXPANSION	NW	NORMAL WEIGHT		REGISTIVE

WWF

WELDED WIRE FABRIC

PROJECT DESCRIPTION:^Y PRE-ENGINEERED METAL BUILDING. STEEL-FRAMED COVERED WALKWAY

GENERAL

- . THE STRUCTURAL DRAWINGS ARE A PORTION OF THE CONTRACT DOCUMENTS AND ARE INTENDED TO BE USED IN CONJUNCTION WITH THE ARCHITECTURAL, CIVIL, MECHANICAL, AND ELECTRICAL DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE REQUIREMENTS FROM THE ENTIRE SET OF CONTRACT DOCUMENTS (INCLUDING THE PROJECT SPECIFICATIONS) INTO THEIR WORK.
- 2. THESE GENERAL NOTES SUPPLEMENT THE PROJECT SPECIFICATIONS. REFER TO THE PROJECT
- 3. NOTES AND DETAILS ON THE STRUCTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER THE GENERAL STRUCTURAL NOTES AND TYPICAL DETAILS.
- 4. VERIFY ALL DIMENSIONS WITH THE ARCHITECTURAL DRAWINGS.

SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

5. DETAILS ON THESE PLANS ARE INTENDED TO DEPICT THE GENERAL CONSTRUCTION METHODS FOR THIS STRUCTURE. CONNECTIONS, DETAILS, AND CONDITIONS NOT SPECIFICALLY SHOWN THAT ARE SIMILAR TO THOSE THAT ARE SPECIFIED SHALL BE ASSUMED ONE AND THE SAME. IF QUESTIONS REGARDING THE APPLICATION OF DETAILS ARE ENCOUNTERED, NOTIFY THE ARCHITECT/ENGINEER FOR CLARIFICATION IN A TIMELY MANNER PRIOR TO BID OPENING.

CODE REQUIREMENTS:

- 1. CONFORM TO 2018 INTERNATIONAL BUILDING CODE AS ADOPTED W/ AMMENDMENTS BY THE 2020 NYS BUILDING CODE.
- 2. ALL REFERENCE TO OTHER CODES AND STANDARDS (ACI, ASCE, ASTM, ETC.) SHALL BE FOR THE EDITIONS LISTED IN CHAPTER 35 OF THE IBC.

TEMPORARY CONDITIONS:

- I. THE STRUCTURE HAS BEEN DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL TEMPORARY BRACING AND/OR SUPPORT REQUIRED AS A RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES.
- CONTRACTOR'S CONSTRUCTION METHODS AND/OR SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD.

DESIGN CRITERIA:

- 1. DESIGN CRITERIA ASSUMED FOR PRELIMINARY FOUNDATION DESIGN VERIFICATION REQUIRED UPON RECEIPT OF MANUFACTURER'S ENGINEERED SHOP DRAWINGS AND BASE REACTION CALCULATIONS. DESIGN WAS BASED ON THE STRENGTH AND DEFLECTION CRITERIA OF THE IBC. IN ADDITION TO THE DEAD LOADS, THE FOLLOWING LOADS AND ALLOWANCES WERE USED FOR DESIGN, WITH LIVE LOADS (L.L.) REDUCED IN ACCORDANCE WITH THE IBC:
- A. RISK CATEGORY B. DEAD LOADS UNIFORM ROOF 6 PSF 6" INSULATED METAL ROOF PANEL COLLATERAL <u>20 PSE</u> TOTAL ROOF DEAD LOAD 26 PSF C. LIVE LOADS CONCENTRATED JNIFORM ROOF 20 PSF 2000 LBS 200 PSF 2. SLAB-ON-GRADE 2000 LBS UNIFORM SNOW LOADS GROUND SNOW LOAD, Pg 40 PSF 2. FLAT ROOF SNOW LOAD, Pf 37 PSF EXPOSURE FACTOR, Ce 1.0 THERMAL FACTOR, Ct 1.2 IMPORTANCE FACTOR, Is 1.1 SLOPE FACTOR, Cs 1.0 SLOPED ROOF SNOW LOAD, Ps & Pbal 37 PSF 8. UNBALANGED SLOPED ROOF SNOW LOAD A. WINDWARD - FROM EAVE TO RIDGE 12 PSF 56 PSF B. LEEWARD - FROM RIDGE TO 8' - 0" 37 PSF C. LEEWARE - FROM 8' 0" TO EAVE 9. SNOW DRIFT N/A Pd START Wd Pd START (PSF) Pd END (PSF) LOCATION COLUMN LINE 1 9' - 8' WIND LOADS WIND VELOCITY, VULT 120 MPH WIND VELOCITY, VASD 93 MPH EXPOSURE CATEGORY INTERNAL PRESSURE COEFFICIENT, GCpi +/-0.18 5. COMPONENTS & CLADDING PRESSURES - STRENGTH LEVEL UNIFORM ZONE 1 - ROOF INTERIOR +20/-63 PSF • ZONE 2r - ROOF RIDGE +20/-92PSF ZONE 2e - ROOF EAVE +20/-63 PSF ZONE 2n - ROOF RAKE +20/-63 PSF ZONE 3r - ROOF RIDGE CORNER +20/-109PSF +20/-92 PSF ZONE 3e - ROOF EAVE CORNER • ZONE 4 - WALL SURFACE +34/-37 PSF • ZONE 5 - WALL CORNER +34/-46 PSF <u>OVERHANG</u> -77 PSF ZONE 1 - ROOF INTERIOR ZONE 2r - ROOF RIDGE -106 PSF ZONE 2e - ROOF EAVE -78 PSF ZONE 2n - ROOF RAKE -106 PSF ZONE 3r - ROOF RIDGE CORNER -141 PSF ZONE 3e - ROOF EAVE CORNER -124 PSF SEISMIC LOADS SITE CLASS IMPORTANCE FACTOR, le 1.25 SEISMIC DESIGN CATEGORY ∕R 4. EARTHQUAKE SPECTRAL RESPONSE, Ss 0.171 5. EARTHQUAKE SPECTRAL RESPONSE (1 SECOND), S1 0.053 6. DESIGN SPECTRAL RESPONSE, S_{DS} 0.183 DESIGN SPECTRAL RESPONSE (1 SECOND), SD1 0.086 8. SEISMIC RESISTING SYSTEM STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE 9. RESPONSE MODIFICATION FACTOR, R 3.0 10. DEFLECTION AMPLIFICATION FACTOR, Cd 0.076 11. SEISMIC RESPONSE COEFFICIENT, Cs 12. BASE SHEAR, V 25 KIPS (ASD WIND)

13. ANALYSIS PROCEDURE

EQUIVALENT LATERAL FORCE PER ASCE 7-16 SECTION 12.8

- FOUNDATIONS: Y Y Y 1. FOUNDATION DESIGN IS BASED ON GEOT LABORATORIES, REPORT # CD10726-E-01 FOOTPRINT. REFER TO GEOTECHNICAL F LIMITED TO, EXCAVATION, BACKFILLING, (
- 2. FOUNDATION SYSTEM CONCRETE WALLS
- 3. ALL FOOTINGS SHALL BE A MINIMUM OF 54
- FOR BEARING ON MEDIUM PLASTICITY SO 4. FOUNDATION UNITS SHALL BE CENTERED DRAWINGS.
- 5. THE CONTRACTOR SHALL REVIEW ALL GE WORK.
- 6. STRUCTURAL FILL MATERIALS, PLACEMEN REPORT.
- 7. IMPORTED ENGINEERED STRUCTURAL FI SHALL BE A MATERIAL CONSISTING OF PI OTHER DELETERIOUS MATERIAL; SUCH A FILL SHALL BE REVIEWED AND APPROVE
- 8. PLACEMENT OF ALL FILL SHALL BE OBSEF GUIDANCE OF THE GEOTECHNICAL ENGIN ENGINEER.
- 9. THE CONTRACTOR SHALL NOTIFY THE GE
- 10. ALL GENERAL EXCAVATIONS AND FOOTIN AND/OR CONCRETE.
- 11. ALL FILL, BACKFILL AND COMPACTION AC RECOMMENDATIONS OF THE GEOTECHN
- 12. PLACE BACKFILL AND FILL MATERIALS IN HEAVY COMPACTION EQUIPMENT, AND N TAMPERS.
- 13. ALL FOUNDATION ELEMENTS ARE TO BE P STRUCTURAL FILL AS OUTLINED IN THE GE FOUNDATION ELEMENT AND THEN DOWN
- 14. BACKFILL AND FILL MATERIALS SHALL BE TEST (ASTM D-1557).
- 15. BACKFILL AGAINST FOUNDATION WALLS E DOES NOT EXCEED 1'-0" AT ANY TIME.
- 16. EACH PRIME CONTRACTOR SHALL PROVI AND BACKFILL (WITH ACCEPTABLE FILL, S WITHIN THE BUILDING FOOTPRINT SHALL IN WRITING, THE QUALITY OF THE TRENCH THE TRENCH.
- 17. EXCAVATION AND BACKFILL OPERATIONS REMOVED BY SITE GRADING AND PUMPIN
- 18. NO FOUNDATION CONCRETE SHALL BE PL
- 19. PROTECT IN-PLACE FOUNDATIONS AND S
- 20. THE CONTRACTOR IS RESPONSIBLE FOR CURRENT OCCUPATIONAL SAFETY AND H
- 21. PROVIDE TEMPORARY OR PERMANENT SU OR VERTICAL SETTLEMENT OCCURS TO E
- CONCRETE:
 ALL CONCRETE WORK SHALL CONFORM
 OF THE NEW YORK STATE BUILDING CODE
- 2. CONCRETE STRENGTHS SHALL BE VERIF SHALL BE AS INDICATED IN SPECIFICATIO

	EX	POS
LOCATION	F	S
INT. SLAB-ON-GRADE	F0	S0
EXT. SLAB-ON-GRADE	F3	S0
PIERS/FDN/RETAINING WALLS	F2	S0
FOOTINGS	F0	S1

- 3. MINIMUM CEMENT CONTENT PER CUBIC Y
- 4. THE CONTRACTOR SHALL SUBMIT CONCE TWO WEEKS PRIOR TO PLACING CONCRE
- UNLESS NOTED OTHERWISE, ALL CONCR ASTM C150, TYPE I / II. MAXIMUM AGGREG ASTM C33.

6. NO WATER MAY BE ADDED TO CONCRETE APPROVED IN WRITING BY THE CONCRET

- 7. NOTE 7 REMOVED.
- 8. A WATER REDUCING ADMIXTURE CONFOR RECOMMENDATIONS SHALL BE INCORPOR CONFORMING TO ASTM C494 TYPE "F" OR 10-INCHES.
- 9. CONCRETE SHALL BE PLACED IN ONE COI SLABS SHALL BE LOCATED AT MID-SPAN V CONSTRUCTION JOINTS IN WALLS SHALL
- 10. SLEEVES, OPENING, CONDUITS, AND OTH THE STRUCTURAL ENGINEER PRIOR TO F DIMENSION THAN ONE-THIRD THE THICK!
- 11. THE CONTRACTOR SHALL PROVIDE SHOP SLABS-ON-GRADE. THE JOINTS SHALL BE TO WIDTH RATIO NOT EXCEEDING 1.5 IN A BEARING WALLS, AND AT ALL RE-ENTRAM
- 12. ALL BOLTS AND/OR ANCHOR RODS EMBE NOTED OTHERWISE ON THE STRUCTURA
- 13. ANCHOR RODS ARE TO BE LOCATED BY M
- 14. ANCHOR RODS AND EMBEDDED ITEMS SH
- 15. WHERE NEW CONCRETE IS PLACED AGAIN
- ROUGHENED TO A MINIMUM 1/4" AMPLITU 16. PROVIDE 3/4" CHAMFERS ON ALL EXPOSE
- 17. PREPARATION, CONSTRUCTION, AND PR 318 26.5.4, 26.5.5, AND ACI 306R AND 305R

TECHNICAL RE 1-06-24. SOIL REPORT FOR COMPACTION	EPORT, DATED JUN BEARING PRESSUF ALL PROJECT REG I, AND MATERIALS.	IE 28, 2024 ANI RE NOT TO EX QUIREMENTS P	D ADDENDA PREP CEED 3000 PSF FC PERTAINING TO EA	ARED BY ATLANTIC TESTING DR FOOTINGS WITHIN BUILDING ARTHWORK, INCLUDING BUT NO	01 23 24		12" = 1'-0"	r: CAM : 22-2496	
LS, COLUMN F 54" BELOW LC	PIERS, SLABS-ON-G DWEST FINAL GRAD	RADE AND SP	READ FOOTINGS. IOR FOOTINGS AN	ID 12" FOR INTERIOR FOOTING	s			EWED BY ECT NO	
D UNDER SUP	PORTED STRUCTU		S, UNLESS NOTED	OTHERWISE ON THE			SCAL	REVIE	EIL FIL
GEOTECHNICA	L ENGINEER RECO	MMENDATION	S PRIOR TO THE C	COMMENCEMENT OF ANY SITE		(
ENT, AND COM		MENTS SHALL		NCE WITH THE GEOTECHNICAL		(NEERI	452.1290	
FILL PLACED AS PREDOMINATE AS IS OUTLINE	S FILL BENEATH PR LY GRANULAR SOIL D IN THE GEOTECH	COPOSED FOU LS, FREE FROM INICAL REPOF	NDATIONS/SLABS M ORGANIC MATT RT . THE PROPOSE	G-ON-GRADE, AND AS BACKFILL ER, CLAY, ICE, DEBRIS, OR ED MATERIAL FOR ENGINEEREI			VG, L ITAL ENGI	12203 - 518. 32.8073 8.452.1290 791.777	
ERVED AND TE	ESTED FOR RELATIN	/E COMPACTIO	ON BY A QUALIFIE BE ESTABLISHED	D TECHNICIAN UNDER THE BY THE GEOTECHNICAL				ALBANY, NY 3820 - 607.43 VY 12571 - 51 12701 - 845	845.615.9232
				IG OPERATIONS.			D EN	A, NY 1 A, NY 1 HOOK, NY	10924 -
NGS SHALL BE	E INSPECTED AND /	APPROVED PR	NOR TO THE PLAC	EMENT OF ANY SOIL BACKFILL	ī			E EXTE NEONT , RED F NTICEL	N, NY
CTIVITIES, PAR NICAL ENGINEI	RTICULARLY DURIN ER.	G WET WEATH	IER CONDITIONS,	SHALL FOLLOW			<u>Ц</u> S	AVENUE N ST, O KET ST AY. MO	GOSHE
I HORIZONTAL	AN 6" IN LOOSE DE	E THAN 8" IN L PTH FOR MATI	OOSE DEPTH FOR	R MATERIAL COMPACTED BY D BY HAND-OPERATED		2		ADISON A OUH MAIN AST MARH BROADWH	MAIN ST, 6
PLACED ON U GEOTECHNICA NWARD TO NA	UNDISTURBED APPI AL REPORT. STRUC ATURAL SOILS AT A	ROVED NATIVE TURAL FILL SH SLOPE OF 2 H	E SOIL OR ON APP HALL EXTEND 1'-0" IORIZ. TO 1 VERT.	PROVED COMPACTED				28 N 55 S 16 E 548 E	223
ECOMPACTED	TO 95% OF MAXIM	UM DRY DENS	SITY ACCORDING	TO THE MODIFIED PROCTOR			à	ENCINE	
BELOW GRAD	DE SO THAT THE DI	FFERENCE IN	THE FILL LEVEL O	N OPPOSITE SIDES OF THE WA		NEW FI	C.		
/IDE ALL TRENCHING WORK REQUIRED FOR ITS CONTRACT, INCLUDING TRENCH EXCAVATION, SEE GEOTECHNICAL REPORT) TO WITHIN 1'-0" OF FINISH GRADE/FLOOR. ALL TRENCHING WORK L BE COORDINATED WITH THE GENERAL CONTRACTOR. GENERAL CONTRACTOR MUST ACCEPT, CH BACKFILL OF OTHER PRIME CONTRACTORS BEFORE BEGINNING WORK OVER THE TOP OF									UTE SC
S SHALL BE M NG FROM SUN	IAINTAINED IN A DR MPS AS REQUIRED.	Y CONDITION.	SURFACE AND IN	FILTRATING WATER SHALL BE					
PLACED IN WA	TER OR ON FROZE	N SUBGRADE	MATERIAL.			NO			
SLABS FROM I			PROJECT IS COM		ري ا	CRIPTI	UM #1		
HEALTH ADMI	NISTRATION (OSHA) STANDARDS	E FERFORINED IN			DES	DEND		
EXISTING STR	HETHER SHORING, RUCTURES, STREE	SHEETING OF TS OR UTILITIE	S ADJACENT TO T	AT NO HORIZONTAL MOVEMEN THE PROJECT SITE.			24 AC		
1 TO "ACI 318 - DE.	BUILDING CODE RI	EQUIREMENTS	S FOR STRUCTUR	AL CONCRETE" AND CHAPTER	19	DATE	11/1/20		
FIED BY STANI ON 03300 & BE	DARD 28-DAY CYLIN LOW	NDER TESTS F	PER ASTM C39, UN	LESS NOTED OTHERWISE, AND		N	~		
SURE CLASS W C	AIR CONTENT	f'c psi	MAX W/C RATIO						
) W0 C0) W0 C2	1.0% - 3.0% 4.5% - 7.5% 4.5% - 7.5%	4000 5000 4500	0.50 0.40 0.45					ХХ	
1 W0 C1	1.0% - 3.0%	4000	0.43			C	പ വ	, Z m ∠ m	
YARD SHALL CRETE MIX DES RETE.	BE AS INDICATED II SIGNS, ALONG WIT	N ACI 301 TABI H TEST DATA (LE 4.2.2.1 & SPECII COMPLIANT WITH	FICATION 033000. ACI-318 CHAPTER 5, A MINIMUN	ИOF			UNT	
RETE SHALL B GATE SIZE SH	BE NORMAL WEIGH ALL BE 1-1/2" FOR F	T CONCRETE (FOOTINGS ANI	(±145 PCF) WITH A D 3/4" FOR WALLS	LL CEMENT CONFORMING TO AND SLABS, CONFORMING TO			VEM	F RF CO	
te in the fiel Te supplier.	LD UNLESS IT CONF	ORMS TO THE	E APPROVED MIX I	DESIGN AND IS SPECIFICALLY			1PRO	GE O HESS	
ORMING TO AS ORATED INTO IR TYPE "G" MA	STM C494 USED IN S CONCRETE MIX DE AY BE USED IN CON	STRICT CONFO SIGNS. A HIG ICRETE MIXES	DRMANCE WITH TI H RANGE WATER 5, PROVIDED THAT	HE MANUFACTURER'S REDUCING ADMIXTURE THE SLUMP DOES NOT EXCEE	D		Ż≧	VILLA DUTC	
ONTINUOUS O I WITH REINFC L BE LOCATED	DPERATION WHERE DRCING CONTINUIN D MIDWAY BETWEE	VER PRACTIC G THROUGH A N COLUMNS C	AL. CONSTRUCTIO AS IF THE JOINT D OR PILASTERS.	ON JOINTS IN BEAMS, JOISTS, A					
HER EMBEDD PLACING CON NESS OF THE	ED ITEMS NOT SHO ICRETE. CONDUITS SLAB AND SHALL I	OWN ON THE S S EMBEDDED I NOT BE SPACE	TRUCTURAL DRA N SLABS SHALL N ED CLOSER THAN	WINGS SHALL BE APPROVED B OT BE LARGER IN OUTSIDE THREE DIAMETERS ON-CENTE	Y R.		URAI		
DP DRAWINGS BE LOCATED A ANY DIRECTIC NT CORNERS	FOR THE LAYOUT (T MAXIMUM 10'-0" (ON. CONTROL JOIN IN THE SLAB.	OF CONSTRUC DN-CENTER, E. ITS SHALL INT	CTION AND CONTF ACH WAY, FORMIN ERSECT AT COLU	ROL JOINTS FOR CONCRETE NG RECTANGLES WITH A LENG MN BLOCKOUTS, AT ENDS OF	тн		RUCT	ល	
EDDED INTO C AL DRAWINGS	CONCRETE SHALL (3.	CONFORM TO	ASTM SPECIFICAT	FION F1554 GRADE 36 UNLESS			STF	OTE	
MEANS OF TE	EMPLATE. ANCHOR	RODS SHALL	NOT BE HAND SE	T OR WET SET.			٦L	ž	
SHALL BE SET		VITH THE AISC	CODE OF STAND	ARD PRACTICE SECTION 7.5.			N N		
AINST EXISTIN UDE.	G CONCRETE, THE	EXISTING COI	NCRETE SURFACE	SHALL BE CLEANED AND			∎ Z ⊒		
	E EDGES, UNLESS		RWISE.				G	1	
λοτεστιΟΝ Οŀ R.		NG CULD WEA	THER OK HUT WE	ather shall conform TO A	s	HEE	T:		
	WARNING - IT DIRECTION OF ALTERING PER	IS A VIOLATION OF NEW Y A LICENSED PROFESSION SON SHALL COMPLY WITH	ORK EDUCATION LAW SECTION 7 VAL ENGINEER OR LAND SURVEY 1 THE REQUIREMENTS OF NEW Y	209.2, FOR ANY PERSON, UNLESS HE IS ACTING UNDER T OR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED ORK EDUCATION LAW, SECTION 7209.2.	HE) THE	S	50	01	

REINFORCING STEEL

BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" AND "ACI 315—MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES."

- 2. ALL REINFORCING STEEL SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS AND GRADES UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS:
 - A. SMOOTH WELDED WIRE FABRIC—ASTM A185 B. ALL OTHER REINFORCEMENT—ASTM A615, GRADE 60
- 3. REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A706. WELDING OF REINFORCING STEEL SHALL CONFORM TO AWS D1.4. ALL WELDING SHALL BE DONE BY AWS CERTIFIED WELDERS USING LOW HYDROGEN E70XX ELECTRODES.
- 4. REINFORCING STEEL SHALL BE SECURELY TIED IN-PLACE WITH #16 ANNEALED IRON WIRE. BARS IN BEAMS, SLABS, AND FOUNDATIONS SHALL BE SUPPORTED ON WELL-CURED CONCRETE BLOCKS, OR APPROVED METAL CHAIRS, AS SPECIFIED BY THE "CRSI MANUAL OF STANDARD PRACTICE," MSP-1.
- 5. ALL REINFORCEMENT SHALL BE FREE OF LOOSE MILL AND RUST SCALE. OIL. DIRT. OR COATINGS OF ANY KIND THAT REDUCE THE BOND STRENGTH TO THE CONCRETE.
- 6. REINFORCEMENT STEEL SHALL NOT BE DISPLACED OR ALTERED FOR THE CONVENIENCE OF OTHER TRADES UNLESS APPROVED BY THE STRUCTURAL ENGINEER OF RECORD. 7. "WET SETTING" OF REINFORCING STEEL, ANCHOR RODS, EMBEDDED PLATES AND INSERTS IS NOT
- PERMITTED.
- 8. ALL REINFORCEMENT SHALL BE CONTINUOUS WITH ADEQUATE LAP LENGTHS AT SPLICE LOCATIONS. 9. THE FOLLOWING MINIMUM LAP SPLICE LENGTHS SHALL BE PROVIDED FOR ALL REINFORCING STEEL

		TYPICAL LAF	SPLICE SCI	HEDULE (IN)			
	4,00	00 PSI	4,5	00 PSI	5,000 PSI		
DAR SIZE	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	
#3	16	16	16	16	16	16	
#4	20	16	19	16	19	16	
#5	25	20	24	19	23	17	
#6	30	24	28	23	26	21	
#7	49	38	46	36	43	34	
#8	62	47	58	45	55	42	
#9	76	58	71	55	68	52	
#10	91	71	86	67	82	64	
#11	110	85	103	80	98	76	

A. FOR CENTER-TO-CENTER SPACING LESS THAN SHOWN BELOW MULTIPLY THE ABOVE VALUES BY THE FACTOR INDICATED.

BAR	SPACING	FACTOR
#3	< 1.875"	1.5
#4	< 2.500"	1.7
#5	< 3.125"	2.0
#6	< 3.750"	2.2
#7	< 3.875"	2.1
#8	< 4.000"	2.0
#9	< 4.125"	1.9
#10	< 4.375"	1.7
#11	< 4.500"	1.6

B. TABLE VALUES APPLY FOR CLEAR COVER GREATER THAN OR EQUAL TO 1-1/2". CONTACT ENGINEER OF RECORD IF CONDITIONS VARY.

C. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" OF CONCRETE CAST BELOW THE BAR.

D. VALUES ARE FOR UNCOATED BARS.

10. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR ALL REINFORCING STEEL:

MINIMUM CONCRETE COVER (CAST-IN-PLACE)

USE	CLEAR COVER
FORMED CONCRETE SURFACES IN CONTACT W/	2" CLEAR COVER
EARTH OR EXPOSED TO WEATHER	1.5" CLEAR COVER TO TIES
SLAB-ON-GRADE BARS	2" CLEAR COVER FROM TOP OF SLAB
CONCRETE CAST AGAINST EARTH	3"

11. CONTINUE HORIZONTAL WALL BARS THROUGH PILASTERS, COLUMNS AND INTERSECTING WALLS.

12. PROVIDE HOOKED FOOTING DOWELS OF THE SAME SIZE AND SPACING AS THE VERTICAL WALL REINFORCEMENT. LAP SPLICE DOWELS TO THE VERTICAL WALL REINFORCEMENT AND TERMINATE WITH STANDARD 90 DEGREE HOOK INTO THE FOOTING. HOOK SHALL LAY IN-PLANE WITH BOTTOM REINFORCEMENT.

- 13. AT SLAB AND WALL OPENINGS. PROVIDE A MINIMUM OF TWO #5 BARS OVER, UNDER, AND AT THE SIDES OF THE OPENING. EXTEND THESE BARS A LAP DISTANCE (OR A MINIMUM OF 2'-0") PAST THE OPENING ON ALL SIDES.
- 14. PROVIDE ONE #5 FOR SINGLE LAYER, AND TWO #5 FOR DOUBLE LAYER REINFORCING, 4'-0" LONG, DIAGONALLY AT EACH CORNER OF ALL WALL AND SLAB OPENINGS.
- 15. REFERENCE TYPICAL DETAILS FOR THE DISPOSITION OF REINFORCEMENT AT WALL CORNERS, WALL INTERSECTIONS, AND FOR BARS IN SMALL WALL SECTIONS.
- 16. PROVIDE #5 CARRIER BAR AT 3'-0" MAX SPACING FOR ALL SLAB, JOIST, AND WALL REINFORCING NOT SUPPORTED BY OTHER TRANSVERSE REINFORCEMENT.
- 17. PROVIDE CORNER BARS AT CORNERS AND INTERSECTIONS FOR WALLS AND FOUNDATIONS EQUAL IN SIZE, NUMBER, AND SPACING TO HORIZONTAL REINFORCING. SIZE CORNER BARS TO PROVIDE A FULL LAP WITH HORIZONTAL REINFORCMENT ON EACH LEG.

SHORING AND RE-SHORING:

- SHORING AND RE-SHORING IS THE CONTRACTOR'S RESPONSIBILITY AND SHALL CONFORM TO ACI 347-04 AND ACI 347.2R-05.
- 2. SHORING AND SUPPORTING FORMWORK SHALL NOT BE REMOVED FROM HORIZONTAL MEMBERS BEFORE THE CONCRETE STRENGTH HAS REACHED AT LEAST 70 PERCENT OF THE SPECIFIED DESIGN STRENGTH AS DETERMINED FROM FIELD CURED CYLINDERS. IN ADDITION, SHORING SHALL NOT BE REMOVED SOONER THAN THE FOLLOWING:

ELEMENT	MINIMUM REMOVAL TIME	COMMENTS
WALLS, COLUMNS, AND BEAM SIDES	12 HR. CUMULATIVE WITH 50 DEGREES FARENHEIT SURROUNDING TEMPERATURE	WHERE FORMS ALSO SUPPORT FORMWORK FO SLABS OR SOFFITS, THE REMOVAL TIME OF THE LATTER GOVERNS

CONCRETE ACCESSORIES

- APPROVED EQUAL.
- REPORTS.
- MINIMUM OF 7-DAYS AFTER CASTING OF CONCRETE.
- FOR ADDITIONAL INFORMATION.
- 6. APPROVED POST-INSTALLED ANCHORS ARE AS FOLLOWS:

TYPE	ANCHOR	ICC REPORT	
CONCRETE	SIMPSON TITEN HD	ICC ESR-2713	
SCREW	HILTI KWIK HUS-EZ	ICC ESR-3027	
EPOXY	SIMPSON SET-XP	ICC ESR-2508	
ADHESIVE	HILTI HIT-RE 500V3	ICC ESR-2322	
	SIMPSON STRONG-BOLT II	ICC ESR-3814	
EAFAINSIUN	HILTI KWIK BOLT TZ	ICC ESR-1917	

- B. REINFORCEMENT SHALL NOT BE CUT IN NEW, OR EXISTING CONCRETE DURING INSTALLATION OF POST-INSTALLED ANCHORS.
- C. ANCHORS THAT ARE LEFT EXPOSED TO WEATHER SHALL BE STAINLESS STEEL OR HOT-DIPPED GALVANIZED.

EPOXY REPAIR ADHESIVE:

- FOR USE ON DRY OR DAMP SURFACES.
- ADHESIVE SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS: A. 14 DAY BOND STRENGTH (SLANT SHEAR) = 1690 PSI B. 7 DAY TENSILE STRENGTH = 7150 PSI C. 7 DAY COMPRESSIVE STRENGTH = 12000 PSI
- D. LINEAR COEFFICIENT OF SHRINKAGE = 0.008 (MAX VALUE)
- INSTALLATION.

PRE-ENGINEERED METAL BUILDING (PEMB):

- SHALL BE THE MAXIMUM, WORST-CASE REACTIONS RESULTING FROM LOAD CASES.
- APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION AND INSTALLATION.
- VINSTALLATION IN FOUNDATIONS.
- PIERS; FINAL ANCHOR BOLT LAYOUT AND EMBEDMENTS SHALL BE CONFIRMED UPON RECEIPT OF PEMB REACTIONS AND DRAWINGS.
- 5. ALL STEEL SHALL BE FACTORY PRIMED ...
- 6. PRE-ENGINEERED METAL BUILDING STEEL SHALL BE AS FOLLOWS:
 - a. FRAME CONFIGURATION: SINGLE GABLE. b. EXTERIOR COLUMN: TAPERED. c. RAFTER: TAPERED.
 - FIELD-BOLTED ASSEMBLY TO COMPLY WITH THE FOLLOWING: SHAPES.

 - METAL PANELS.
 - FRAME FLANGES.

 - MEMBERS
 - AND HEAD, JAMB, AND SILL OF OTHER OPENINGS.
- D. BRACING: PROVIDE ADJUSTABLE WIND BRACING AS FOLLOWS: DESIGN LOADS.

DEFORMED BAR ANCHORS (D.B.A.) SHALL BE NELSON TYPE D2L (ICC ESR-2907) OR APPROVED EQUAL. 2. HEADED SHEAR STUDS SHALL BE NELSON HEADED ANCHORS WITH FLUXED ENDS (ICC ESR-2856) OR

3. HEADED SHEAR STUDS AND DEFORMED BAR ANCHORS SHALL BE AUTOMATICALLY END-WELDED WITH THE MANUFACTURER'S STANDARD EQUIPMENT AND IN ACCORDANCE WITH THE ASSOCIATED ICC

4. PERMANENTLY EXPOSED EMBEDDED PLATES AND ANGLES SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION. EMBEDDED ITEMS SHALL NOT BE LOADED, NOR SHALL WELDS BE APPLIED, FOR A

5. PROVIDE WATERSTOPS AT ALL HORIZONTAL AND VERTICAL CONCRETE JOINTS WHERE INDICATED ON DRAWINGS AND DETAILS. WATERSTOPS INDICATED TO BE HYDROPHLLIC STRIP WATERSTOP SHALL MAINTAIN A MINIMUM CLEAR COVER OF 3 INCHES. REFER TO MANUFACTURER'S WRITTEN INSTRUCTIONS

A. ALL ANCHORS SHALL BE INSTALLED IN STRICT CONFORMANCE TO THE APPLICABLE ICC REPORT.

. EPOXY REPAIR ADHESIVE SHALL CONFORM TO ASTM C881 AND SHALL BE A TWO-COMPONENT, LIQUID EPOXY WITH NON-SAG CONSISTENCY AND LONG POT LIFE. THE EPOXY ADHESIVE SHALL BE SUITABLE

3. HOLE SIZES AND INSTALLATION SHALL BE IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND THE REQUIREMENTS SET FORTH IN THE APPROVED ICC EVALUATION REPORT.

REINFORCEMENT SHALL NOT BE CUT OR DAMAGED IN EITHER NEW OR EXISTING CONCRETE DURING

1. THE PRE-ENGINEERED BUILDING SUPPLIER SHALL FURNISH THE FRAME REACTIONS TO THE ENGINEER OF RECORD, PRIOR TO COMMENCEMENT OF FOUNDATION CONSTRUCTION. THE REACTIONS FURNISHED

2. SUBMIT ENGINEERED AND CHECKED SHOP DRAWINGS AND CALCULATIONS TO THE ENGINEER FOR REVIEW. SHOP DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER IN THE LOCAL JURISDICTION. SUBMITTALS SHALL INCLUDE PLANS LOCATING AND DEFINING ALL ELEMENTS FURNISHED BY THE MANUFACTURER, WITH ALL MAJOR OPENINGS SHOWN. SECTIONS AND DETAILS SHOWING CONNECTIONS, BASEPLATES, WALL CONDITIONS AND ROOF CONDITIONS OF THE PRE-ENGINEERED BUILDING. ALL SUBMITTAL MATERIAL MUST BE REVIEWED AND

3. THE PRE-ENGINEERED BUILDING SUPPLIER SHALL FURNISH ANCHOR ROD INFORMATION TO THE FOUNDATION CONTRACTOR. ANCHOR ROD PATTERNS SHOWN ON THE FOUNDATION DETAILS ARE SCHEMATIC ONLY. THE GENERAL CONTRACTOR SHALL FURNISH AND SUPPLY THE ANCHOR RODS FOR

4. ALL ANCHOR RODS SHALL BE F1554 GRADE 36. EMBED ANCHOR RODS 18" MINIMUM INTO CONCRETE

 \sim \sim

A. RIGID CLEAR SPAN FRAMES: I-SHAPED FRAME SECTIONS FABRICATED FROM SHOP-WELDED, BUILT-UP STEEL PLATES OR STRUCTURAL-STEEL SHAPES. INTERIOR COLUMNS WHERE SHOWN SHALL BE FABRICATED FROM ROUND STEEL PIPES OR TUBES, OR SHOP-WELDED, BUILT-UP STEEL PLATES.

B. END-WALL FRAMING: MANUFACTURER'S STANDARD PRIMARY END-WALL FRAMING FABRICATED FOR a. END-WALL RAFTERS: C-SHAPED, COLD-FORMED, STRUCTURAL-STEEL SHEET; OR I-SHAPED SECTIONS FABRICATED FROM SHOP-WELDED, BUILT-UP STEEL PLATES OR STRUCTURAL-STEEL

C. SECONDARY FRAMING: MANUFACTURER'S STANDARD SECONDARY FRAMING, INCLUDING PURLINS, GIRTS, EAVE STRUTS, FLANGE BRACING, BASE MEMBERS, GABLE ANGLES, CLIPS, HEADERS, JAMBS, AND OTHER MISCELLANEOUS STRUCTURAL MEMBERS. UNLESS OTHERWISE INDICATED, FABRICATE FRAMING FROM EITHER COLD-FORMED, STRUCTURAL-STEEL SHEET OR ROLL-FORMED, METALLIC-COATED STEEL SHEET, PREPAINTED WITH COIL COATING, TO COMPLY WITH THE FOLLOWING: a. PURLINS: C- OR Z-SHAPED SECTIONS; FABRICATED FROM BUILT-UP STEEL PLATES, STEEL SHEET, OR STRUCTURAL-STEEL SHAPES; MINIMUM 2-1/2-INCH- (64-MM-) WIDE FLANGES. b. GIRTS: C- OR Z-SHAPED SECTIONS; FABRICATED FROM BUILT-UP STEEL PLATES, STEEL SHEET, OR STRUCTURAL-STEEL SHAPES. FORM ENDS OF Z-SECTIONS WITH STIFFENING LIPS ANGLED 40 TO 50 DEGREES FROM FLANGE, WITH MINIMUM 2-1/2-INCH- (64-MM-) WIDE FLANGES. c. EAVE STRUTS: UNEQUAL-FLANGE, C-SHAPED SECTIONS; FABRICATED FROM BUILT-UP STEEL PLATES, STEEL SHEET, OR STRUCTURAL-STEEL SHAPES; TO PROVIDE ADEQUATE BACKUP FOR

d. FLANGE BRACING: MINIMUM 2-BY-2-BY-1/8-INCH (51-BY-51-BY-3-MM) STRUCTURAL-STEEL ANGLES OR 1-INCH- (25-MM-) DIAMETER, COLD-FORMED STRUCTURAL TUBING TO STIFFEN PRIMARY-

e. SAG BRACING: MINIMUM 1-BY-1-BY-1/8-INCH (25-BY-25-BY-3-MM) STRUCTURAL-STEEL ANGLES. f. BASE OR SILL ANGLES: MANUFACTURER'S STANDARD BASE ANGLE, MINIMUM 3-BY-2-INCH (76-BY-51-MM), FABRICATED FROM ZINC-COATED (GALVANIZED) STEEL SHEET. g. PURLIN AND GIRT CLIPS: MANUFACTURER'S STANDARD CLIPS FABRICATED FROM STEEL SHEET. PROVIDE GALVANIZED CLIPS WHERE CLIPS ARE CONNECTED TO GALVANIZED FRAMING

h. FRAMING FOR OPENINGS: CHANNEL SHAPES; FABRICATED FROM COLD-FORMED, STRUCTURAL-STEEL SHEET OR STRUCTURAL-STEEL SHAPES. FRAME HEAD AND JAMB OF DOOR OPENINGS

a. RIGID PORTAL FRAMES: FABRICATED FROM SHOP-WELDED, BUILT-UP STEEL PLATES OR STRUCTURAL-STEEL SHAPES TO MATCH PRIMARY FRAMING; OF SIZE REQUIRED TO WITHSTAND <u>ALUMINUM</u> 1. STRUCTURAL ALUMINUM SHALL BE DOMESTIC ALLOY 6061-T6. QUALITY, FABRICATIONS, ASSEMBLY, AND ERECTION SHALL BE IN ACCORDANCE WITH THE ALUMINUM ASSOCIATION'S SPECIFICATION FOR ALUMINUM STRUCTURES, LATEST EDITION.

MATERIAL A. SHEET AND PLATE:

- B. ROLLED BARS AND RODS:
- EXTRUDED BARS, RODS, SHAPES, AND TUBES: D. ROLLED OR EXTRUDED STRUCTURAL SHAPES:
- E. EXTRUDED STRUCTURAL PIPE AND TUBE:

ASTM B209

2. FASTENERS: UNLESS DETAILED OTHERWISE, ALL FASTENERS SHALL BE 316 STAINLESS STEEL. ALUMINUM BOLTS, WHERE SPECIFIED SHALL BE 2024-T4 OR 6061-T6 ALLOY.

- 3. ALL WELDING SHALL CONROM WITH AWS D.1.2, LATEST STRUCTURAL WELDING CODE-ALUMINUM.
- 4. DESIGN AND DETAILING OF THE CONNECTIONS IS THE RESPONSIBILITY OF THE FABRICATOR AND FABRICATOR'S ENGINEER. ENGINEER SHALL BE REGISTERED IN THE LOCAL JURISDICTION. USE RATIONAL ENGINEERING DESIGN AND STANDARD PRACTICE FOR THE CRITERIA SET FORTH IN THE CONTRACT DOCUMENTS. THE DETAILS SHOWN ON THE DRAWINGS ARE CONCEPTUAL AND DO NOT INDICATE THE REQUIRED WELD SIZES OR NUMBER OF BOLTS UNLESS SPECIFICALLY NOTED.
- 5. ALL ALUMINUM ITEMS SHALL BE ANODIZED UNLESS OTHERWISE NOTED. ANODIZING FINISH SHALL COMPLY WITH STANDARDS FOR ANODIZED ARCHITECTURAL ALUMINUM BY THE ALUMINUM ASSOCIATION. DO NOT ANODIZE ALUMINUM SURFACES WITHIN 3 INCHES OF ANY SURFACE INDICATED TO BE FIELD WELDED. ANODIZED FINISH SHALL BE CLEAR ANODIZED PER AA-M10C11C21A41 WITH A MINIMUM 0.7 MIL COATING.
- 6. WHERE THE CONTACT OF DISSIMILAR METALS MAY CAUSE ELECTROLYSIS OR WHERE ALUMINUM WILL COME IN CONTACT WITH CONCRETE, MORTAR OR PLASTER, THE CONTACT SURFACE OF THE ALUMINUM SHALL BE COATED WITH 1 COAT OF ZINC CHROMATE PRIMER AND 1 HEAVY COAT OF ALUMINUM PIGMENTED ASPHALT PAINT.
- THOROUGHLY CLEAN STRUCTURAL ALUMINUM. REMOVE OIL, GREASE, AND SIMILAR CONTAMINANTS IN ACCORDANCE WITH SSPC SP-1 "SOLVENT CLEANING".
- 8. ALUMINUM GRATING & STAIR TREADS SHALL BE 6063-T6 AND HAVE A CLEAR ANODIZED PER AA-M10C11C21A41 WITH A MINIMUM 0.7 MIL COATING.

ATE: 01.23.24	EK		CALE: 12" = 1'-0"				ROJECT NO.: 22-2496		
		ENGINEERING, D.P.C.	CIVIL AND ENVIRONMENTAL ENGINEERING		28 MADISON AVENUE EXTENSION, ALBANY, NY 12203 - 518.452.1290	33 SOUTI MAIN 31, UNEUNIA, NY 13820 - 007.432.8073 46 EACT MADKET CT DED HOOK NY 13671 - 548 453 1300	548 BROADWAY. MONTICELLO. NY 12701 - 845.791.777	223 MAIN ST, GOSHEN, NY 10924 - 845.615.9232	
	OF NEW D				N N N N N N N N N N N N N N N N N N N		0100 081380 POFF00 014	01E221014	
REVISIONS	NO. DATE DESCRIPTION	1 11/1/2024 ADDENDUM #1							
RHINEBECK WTP IMPROVEMENTS VILLAGE OF RHINEBECK DUTCHESS COUNTY, NY									
GENERAL STRUCTURAL NOTES									
SF	iee (T: S	С		0)2	2		

WARNING - IT IS A VIOLATION OF NEW YORK EDUCATION LAW SECTION 7209.2, FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATION LAW, SECTION 7209.2.

SPECIAL INSPECTIONS - STEEL

Increations 9 Test	Cont	Dor	IPC Pof	Required	Referenced
Steel Construction	Cont.	Per.	IBC Ref.	For Project	Standard
1. Structural Steel				Yes	
a. Inspection Tasks Prior To Welding				Yes	
iii. Manufacturer certifications					AISC 360
for welding consumables available		X	1705.2.1	Yes	Table N.5.4-1
i. Welder Qualification records	х		1705.2.1	Yes	AISC 360 Table N 5 4-1
ii. Welding Procedure	x		1705 2 1	Yes	AISC 360
Specifications (WPS) Available iv. Material identification	~		/==== = /		Table N.5.4-1 AISC 360
(type/grade)		X	1705.2.1	Yes	Table N.5.4-1
v. Welder identification system		x	1705.2.1	Yes	Table N.5.4-1
vi. Fit up of groove welds (including joint geometry)		x	1705.2.1	Yes	AISC 360 Table N.5.4-1
vii. Fit up of CJP groove welds					
of HSS, 1-, Y-, and K-joints without backing (including joint		x	1705.2.1	Yes	AISC 360 Table N.5.4-1
geometry)					AISC 360
access holes		X	1705.2.1	Yes	Table N.5.4-1
ix. Fit-up of fillet welds		x	1705.2.1	Yes	AISC 360 Table N.5.4-1
x. Check Welding equipment		x	1705.2.1	Yes	AISC 360
b. Inspection Tasks During				Ves	
Welding				163	AISC 360
welding consumables.		X	1705.2.1	Yes	Table N.5.4-2
ii. No welding over cracked tack welds.		x	1705.2.1	Yes	AISC 360 Table N.5.4-2
iii. Environmental Conditions		х	1705.2.1	Yes	AISC 360
iv. Verify WPS followed		x	1705 2 1	Yes	AISC 360
v. Verify Welding Techniques			/==== = /		Table N.5.4-2 AISC 360
		X	1705.2.1	Yes	Table N.5.4-2
vi. Placement and installation of steel headed stud anchors		x	1705.2.1	Yes	Table N.5.4-2
c. Inspection Tasks after Welding				Yes	
i. Welds cleaned		x	1705.2.1	Yes	AISC 360
ii. Size, length, and location of	V		4705.0.4	No.	AISC 360
welds	X		1705.2.1	Yes	Table N.5.4-3
acceptance criteria	Х		1705.2.1	Yes	Table N.5.4-3
iv. Arc strikes	х		1705.2.1	Yes	AISC 360 Table N.5.4-3
v. K-area		x	1705.2.1	Yes	AISC 360
vi. Weld access holes in rolled					
heavy shapes and built-up heavy shapes	Х		1705.2.1	Yes	Table N.5.4-3
vii. Backing removed and weld	х		1705.2.1	Yes	AISC 360
viii. Repair activities	v		1705.0.1	Vaa	AISC 360
iv Document accentance or	^		1705.2.1	165	Table N.5.4-3
rejection of welded joint or	х		1705.2.1	Yes	AISC 360 Table N.5.4-3
x. No prohibited welds have					AISC 260
been added without the approval of the EOR		X	1705.2.1	Yes	Table N.5.4-3
d. Inspection Tasks Prior to				Yes	
i. Manufacturer's certification	x		1705 2 1	Ves	AISC 360
available for fastener materials ii Easteners marked in	~		1700.2.1	103	Table N.5.6-1
accordance with ASTM		x	1705.2.1	Yes	AISC 360 Table N.5.6-1
iii. Proper fasteners selected					
for the joint detail (grade, type, bolt length if threads are to be		x	1705.2.1	Yes	AISC 360 Table N.5.6-1
excluded from shear plane)					4100.000
selected for joint detail		X	1705.2.1	Yes	Table N.5.6-1
v. Connecting elements, including the appropriate faving					
surface condition and hole		x	1705.2.1	Yes	AISC 360 Table N.5.6-1
applicable requirements.					
vi. Pre-installation verification testing by installation personnel					
observed and documented for		x	1705.2.1	Yes	AISC 360 Table N.5.6-1
methods used.					
vii. Proper storage provided for bolts, nuts, washers and other					
fastener components.X 1705.2.11		x	1705.2.1	Yes	AISC 360 Table N 5 6-1
AISC 360 Table N5 6-1					
e. Inspection Tasks During				Ves	
Bolting i Fastener assemblies of				163	
suitable condition, placed in all		x	1705.2.1	Yes	AISC 360
are positioned as required.					Table N.5.6-2
ii. Joint brought to the snua-tight condition prior to the		x	1705.2.1	Yes	AISC 360
pretensioning operation.					Table N.5.6-2
iii. Fastener component not turned by the wrench		x	1705.2.1	Yes	AISC 360
prevented from rotating. iv. Fasteners are pretensioned					1 4610 11.0.0-2
in accordance with the RCSC					۵۱۵۵ کوں
systematically from the most		X	1705.2.1	Yes	Table N.5.6-2
edges.					
f. Inspection Tasks After Bolting				Yes	
i. Document acceptance or	х		1705.2 1	Yes	AISC 360
rejection of bolted connections.					I able N.5.6-3

•

SPECIAL INSPECTIONS - CONCRETE

	1		1	1	
Inspections & Test	Cont.	Per.	IBC Ref.	Required For Project	Referenced Standard
Concrete Construction				Yes	
 Inspect reinforcement, including prestressing tendons, and verify placement. 		X	1705.3	Yes	ACI 318 Ch. 20, 25.2, 25.3, 26.6.1-26.6.3 IBC 1908.4
2 Reinforcing Bar Welding:			1705.3	No	
a. Verify weldability of reinforcing bars other than ASTM A706:		X	1705.3	No	AWS D1.4 ACI 318: 26.6.4
b. Inspect single pass fillet welds, maximum 5/16" ACI 318: 26.6.4		X	1705.3	No	AWS D1.4 ACI 318: 26.6.4
c. Inspect all other welds	X		1705.3	No	AWS D1.4 ACI 318: 26.6.4
3. Inspect anchors cast in concrete.		Х	1705.3	Yes	ACI 318: 17.8.2
 Inspect anchors post-installed in hardened concrete members. 			1705.3	Yes	
a. Adhesive anchors installed in horizontally or upwardly inclined orientations to resist sustained tension loads.	X		1705.3	Yes	ACI 318: 17.8.2.4
b. Mechanical anchors and adhesive anchors not defined in item 4a.		Х	1705.3	Yes	ACI 318: 17.8.2
5. Verify use of required design mix		X	1705.3	Yes	ACI 318: Ch. 19, 26.4.3, 26.4.4; IBC 1904.1, 1904.2, 1908.2, 1908.3
6. Prior to concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of concrete.	X		1705.3	Yes	ASTM C172, ASTM C31; ACI 318: 26.5, 26.12; IBC 1908.10
7. Inspect concrete and shotcrete placement for proper application techniques.	X		1705.3	Yes	ACI 318: 26.5; IBC 1908.6, 1908.7, 1908.8
8. Verify maintenance of specified curing temperature and techniques.		X	1705.3	Yes	ACI 318: 26.5.3-26.5.5 IBC: 1908.9
9. Inspect Prestressed concrete for:			1705.3	No	
a. Application of prestressing forces	X		1705.3	No	ACI 318: 26.10
b. Grouting of bonded prestressing tendons	X		1705.3	No	ACI 318: 26.10
10. Inspect erection of precast concrete members		X	1705.3	No	ACI 318: Ch. 26.9
11. Verify in-situ concrete strength, prior to stressing tendons in post-tensioned concrete and prior to removal of shores and forms from beams and structural slabs.		X	1705.3	No	ACI 318: 26.11.2
12. Inspect formwork for shape, location and dimensions of the concrete member being formed.		Х	1705.3	Yes	ACI 318: 26.11.2b
13. Fabricated Items - Precast Concrete		X	1704.2.5; 1705.10	No	

		NO -			
Inspections & Test	Cont.	Per.	IBC Ref.	Required For Project	Referenced Standard
Foundations				Yes	
A. Soils				Yes	
 Verify materials below shallow oundations are adequate to achieve he design bearing capacity. 		Х	1705.6	Yes	
 Verify excavations are extended to a proper depth and have reached proper material. 		Х	1705.6	Yes	
3. Perform classification and testing of compacted fill materials.		Х	1705.6	Yes	
 Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill. 	X		1705.6	Yes	
5. Prior to placement of compacted fill, nspect subgrade and verify that site has been prepared properly.		Х	1705.6	Yes	
3. Driven Deep Foundations				No	
1. Verify element materials, sizes and engths, comply with the requirements.	Х		1705.7	No	
2. Determine capacities of test elements and conduct additional load ests, as required.	Х		1705.7	No	
 Inspect driving operations and maintain complete and accurate records for each elements 	Х		1705.7	No	
4. Verify placement locations and blumbness, confirm type and size of nammer, record number of blows per foot of penetration, determine required benetrations to achieve design capacity, record tip and butt elevations and document any damage to foundation element.	X		1705.7	No	
5. For steel elements, perform additional special inspections in accordance with Section 1705.2.			1705.7	No	
6. For concrete elements and concrete-filled elements, perform tests and additional special inspections in accordance with Section 1705.3.			1705.7	No	
7. For specialty elements, perform additional inspections as determined by he registered design professional in responsible charge.	-		1705.7	No	
C. Cast-in-place Deep Foundations				No	
 Inspect drilling operations and maintain complete and accurate records for each element. 	Х		1705.8	No	
2. Verify placement locations and plumbness, confirm element diameters, bell diameters (if applicable), lengths, embedment into bedrock (if applicable) and adequate end-bearing strata capacity. Record concrete or grout volumes.	X		1705.8	No	
3. For concrete elements, perform ests and additional special inspections n accordance with Section 1705.3.			1705.8	No	
D. Helical Pile Foundations	Х		1705.9	No	

SPECIAL INSPECTIONS - FOUNDATIONS

PERFORM THESE INSPECTIONS.

STRUCTURAL OBSERVATIONS							
CONSTRUCTION PHASE	OBSERVATION BY SER	COMMENTS					
PRIOR TO FIRST CONCRETE POUR	Х	REF FOOTNOTE A, B, C					
AT COMPLETION OF HORIZONTAL ROOF DIAPHRAGM	Х	REF FOOTNOTE A, B					
PRIOR TO COVERING STRUCTURAL ELEMENTS	х	REF FOOTNOTE A, B					
AS REQUIRED TO ADDRESS STRUCTURAL ISSUES	X	REF FOOTNOTE A, B					

B. A FIELD REPORT WILL BE SUBMITTED TO THE BUILDING DEPARTMENT FOLLOWING EACH VISIT.

C. STRUCTURAL OBSERVATION TO OCCUR AFTER THE REINFORCING STEEL HAS BEEN INSTALLED.

ITEM

CONCRETE MIX CONCRETE REINFO REINFORCING

MILL CER CONCRETE ANCH EMBEDDED STE

PRE-ENGINEERE BUILDING SHOP D

AND BASE READ

ALUMINU GUARDRAIL

ALUMINUM STAIRS, AND FRAMI

A. IF THE SHOP DRAWINGS DIFFER FROM OR ADD TO THE DESIGN OF THE STRUCTURAL DRAWINGS, THEY SHALL BEAR THE SEAL AND SIGNATURE OF A STRUCTURAL ENGINEER REGISTERED IN NEW YORK STATE. ANY MODIFICATIONS TO THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER AND ARE SUBJECT TO REVIEW AND ACCEPTANCE BY THE STRUCTURAL ENGINEER OF RECORD.

DESIGN DRAWINGS, SHOP DRAWINGS, AND CALCULATIONS FOR THE DESIGN AND FABRICATION OF B ITEMS THAT ARE DESIGNED BY OTHERS SHALL BEAR THE SEAL AND SIGNATURE OF A STRUCTURAL ENGINEER REGISTERED IN NEW YORK STATE. CALCULATIONS SHALL BE INCLUDED FOR ALL CONNECTIONS TO THE STRUCTURE CONSIDERING LOCALIZED EFFECTS ON STRUCTURAL ELEMENTS INDUCED BY THE CONNECTION LOADS. DESIGN SHALL BE BASED UPON THE REQUIREMENTS OF THE NYSBC AND AS NOTED UNDER "DESIGN CRITERIA."

C. FIELD ENGINEERED DETAILS DEVELOPED BY THE CONTRACTOR THAT DIFFER FROM, OR ADD TO, THE STRUCTURAL DRAWINGS SHALL BEAR THE SEAL AND SIGNATURE OF A STRUCTURAL ENGINEER REGISTERED IN NEW YORK STATE AND SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO CONSTRUCTION. ANY SUCH DETAILS ARE SUBJECT TO REVIEW AND ACCEPTANCE BY THE STRUCTURAL ENGINEER OF RECORD.

SPECIAL INSPECTION AND TESTING: 1. SPECIAL INSPECTION WILL BE PROVIDED BY THE OWNER BASED ON THE REQUIREMENTS OF THE CURRENT EDITION OF THE NYSBC AS SUMMARIZED IN THE SPECIAL INSPECTION AND TESTING PROGRAM ON SHEET S003. THE CONTRACTOR SHALL PROVIDE SUFFICIENT NOTICE AND ACCESS FOR THE SPECIAL INSPECTOR TO

STRUCTURAL OBSERVATION: 1. THE STRUCTURAL ENGINEER OF RECORD (SER) WILL PERFORM STRUCTURAL OBSERVATIONS BASED ON THE REQUIREMENTS OF THE IBC AT THE STAGES OF CONSTRUCTION LISTED BELOW. THE CONTRACTOR SHALL PROVIDE SUFFICIENT NOTICE AND ACCESS FOR THE SER TO PERFORM THESE OBSERVATIONS:

A. STRUCTURAL OBSERVATIONS ARE INTENDED TO VERIFY GENERAL CONFORMANCE WITH THE STRUCTURAL DRAWINGS. SPECIAL INSPECTIONS AND TESTING ARE STILL REQUIRED.

SUBMITTALS: 1. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER PRIOR TO THE FABRICATION AND CONSTRUCTION OF ALL STRUCTURAL ITEMS INCLUDING THE FOLLOWING:

	SUBMITTA	LS		
	SUBMITTAL (A, C)	DEFERRED SUBMITTAL (B, C)	COMMENTS	
DESIGNS	Х			
ORCEMENT	Х			
STEEL TS	Х			
HORAGES	Х			
EL ITEMS	Х			
ED METAL DRAWINGS	×	×		Ĺ
IM ILS	Х	Х		$\langle \langle \rangle$
, grating, ing	x			ر مر

WARNING - IT IS A VIOLATION OF NEW YORK EDUCATION LAW SECTION 7209.2, FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATION LAW, SECTION 7209.2.

		-	•	INDICATES FC MARK, REFER FOUNDATION	OUNDATION TYPE ENCE THE SCHEDULE.	E			
	LOW HIGH • INDICATES FLOOR/ROOF STEP.								
L	LOW HIGH • INDICATES TOP FOUNDATION WALL STEP.								
L	_OW	HIGH	•	INDICATES TO	P FOOTING STE	P.			
	$\begin{array}{c} \downarrow \\ \downarrow \\ \neg \\ \end{matrix}$ $\begin{array}{c} - \\ \neg \\ \end{array}$ $\begin{array}{c} \bullet \\ \end{array}$ INDICATES STRUCTURAL WALL BELOW.								
	(#	•	INDICATES KE	YED NOTE.				
	()	•	INDICATES NE	W GRIDLINE				
<u>FC</u>	DUN	IDATIO	N PL/	AN NOTES					
1. 2	ALL		IONS F		FROM 0'-0" = FF.				
Ζ.	DR LO WA	AWINGS A CATED AT	AND M F OUTS CENTE	ETAL BUILDING BIDE FACE OF (ERLINE OF COL	DRAWINGS. GF CONCRETE FOUL UMNS WHERE II	RIDLINES ARE NDATION NDICATED.			
3.	DE GE CO	TAILS ON NERAL CO NNECTIO	THESI ONSTF NS, DE	E PLANS ARE II RUCTION METH ETAILS AND CO	NTENDED TO DE IOD FOR THIS ST NDITIONS NOT S	PICT THE RUCTURE. PECIFICALLY			
	SH SH RE	OWN THA ALL BE AS GARDING	T ARE SSUME THE A	SIMILAR TO THE DONE AND TH APPLICATION O	HOSE THAT ARE HE SAME. IF QUE OF DETAILS ARE	SPECIFIED STIONS ARISE			
	EN RE BID	Counter Cord Fo Opening	RED, N R CLA G.	OTIFY THE STF RIFICATION IN	RUCTURAL ENGI A TIMELY MANNI	NEER OF ER PRIOR TO			
4.	RE PEI CO PEI	FERENCE NETRATIC RRESPOI NETRATIC	E MEP DNS, E NDING DNS, O	DRAWINGS FO TC. REFER TO TO SPECIFIC I PENINGS, ETC	R ALL ELEVATIO STRUCTURAL DI TEMS SUCH AS F	NS, PIPE ETAILS PIPE			
5.	VEI PEI	RIFY SIZE NETRATIO	AND L	OCATION OF A	ALL SLAB AND W	ALL			
6	AT 1								
·	WA		NGS A	GS ARE WF1, U RE CENTERED	INLESS OTHERW	VISE NOTED.			
7.		P OF FOC	DOTING I	GS ARE WF1, U RE CENTERED ELEVATION IS -	INLESS OTHERW ON FOUNDATIO	VISE NOTED. IN WALLS. THERWISE			
7. 8.	TO NO ALL	P OF FOC TED.	DTING I	SS ARE WE1, U RE CENTERED ELEVATION IS - TO BE 8" THICK	INLESS OTHERW ON FOUNDATIO 4' - 0" UNLESS O	VISE NOTED.			
7. 8. 9.	TO NO ALL RE TO OT	P OF FOC TED. STEM W NFORCE	ALLS	SS ARE WE1, U RE CENTERED ELEVATION IS - TO BE 8" THICK TO BE #5@12" ON WALL ELEV	INLESS OTHERW ON FOUNDATIO 4' - 0" UNLESS O UNO ON PLAN, OC, EW, CENTER /ATION IS 1'-0" U	VISE NOTED. ON WALLS. THERWISE R OF WALL. NLESS			
7. 8. 9.	ALL NO ALL RE TO OT	P OF FOC TED. STEM W INFORCE P OF FOU HERWISE P OF PIEF	ALLS MENT MENT NOTE RELEV	GS ARE WF1, U RE CENTERED ELEVATION IS - TO BE 8" THICK TO BE #5@12" ON WALL ELEV D. ATION IS 0'-0" (INLESS OTHERW ON FOUNDATIO 4' - 0" UNLESS O UNO ON PLAN, OC, EW, CENTER /ATION IS 1'-0" UI	VISE NOTED. IN WALLS. THERWISE R OF WALL. NLESS			
7. 8. 9. 10. 11.	ALL NO ALL RE TO OT	P OF FOC TED. STEM W INFORCE P OF FOU HERWISE P OF PIEF TE 11 RE	ALLS - MENT MENT NOTE RELEV MOVEI	GS ARE WF1, U RE CENTERED ELEVATION IS - TO BE 8" THICK TO BE #5@12" ON WALL ELEV D. ATION IS 0'-0" J D.	INLESS OTHERW ON FOUNDATIO 4' - 0" UNLESS O UNO ON PLAN, OC, EW, CENTER /ATION IS 1'-0" U UNLESS OTHERV	VISE NOTED. IN WALLS. THERWISE R OF WALL. NLESS WISE NOTED.			
7. 8. 9. 10: 11.	ALL NO ALL RE TO OT TO	P OF FOC TED. STEM W INFORCE P OF FOU HERWISE P OF PIEF TE 11 RE		SS ARE WE1, U RE CENTERED ELEVATION IS - TO BE 8" THICK TO BE #5@12" ON WALL ELEV D. TATION IS 0'-0" 1 D.	INLESS OTHERW ON FOUNDATIO 4' - 0" UNLESS O UNO ON PLAN, OC, EW, CENTER ATION IS 1'-0" U UNLESS OTHERV	VISE NOTED. IN WALLS. THERWISE R OF WALL. NLESS WISE NOTED.			
7. 8. 9. 10: 11.	ALL NO ALL RE TO OT TO NO	P OF FOU INFORCE P OF FOU INFORCE P OF FOU HERWISE P OF PIEF TE 11 RE	ALLS DTING I ALLS MENT INDATI NOTE RELEV MOVEI	SS ARE WE1, U RE CENTERED ELEVATION IS - TO BE 8" THICK TO BE #5@12" ON WALL ELEV D. ATION IS 0'-0" D. L FOOTING	INLESS OTHERW ON FOUNDATIO 4' - 0" UNLESS O UNO ON PLAN, OC, EW, CENTER /ATION IS 1'-0" U UNLESS OTHERV SCHEDULE NG. REINF.	VISE NOTED. THERWISE R OF WALL. NLESS VISE NOTED.			
7. 8. 9. 10. 11.	ALLI RE TO OT TO OT	ALL FOOT P OF FOOT TED. STEM WINFORCE P OF FOU HERWISE P OF PIEF TE 11 RE		GS ARE WE1, U IRE CENTERED ELEVATION IS - TO BE 8" THICK TO BE #5@12" ON WALL ELEV ON WALL ELEV D. L FOOTING CKNESS LO '- 0" (3) #5 OOTING SC	INLESS OTHERW ON FOUNDATIO 4' - 0" UNLESS O UNO ON PLAN, OC, EW, CENTER ATION IS 1'-0" U UNLESS OTHERV SCHEDULE	VISE NOTED. THERWISE R OF WALL. NLESS VISE NOTED.			
7. 8. 9. 10: 11.	ALLI TO NO ALLI RE TO OT TO OT TO OT	LENGTH		GS ARE WE1, U RE CENTERED ELEVATION IS - FO BE 8" THICK TO BE #5@12" ON WALL ELEV ON WALL ELEV D. L FOOTING CKNESS LO ' - 0" (3) #5 OOTING SC H THICKNESS	INLESS OTHERW ON FOUNDATIO 4' - 0" UNLESS O UNO ON PLAN, OC, EW, CENTER ATION IS 1'-0" U UNLESS OTHERV SCHEDULE NG. REINF. 5, EQ SP, BTM #5 CHEDULE LONG. REINF.	TRANS. REINF.			
7. 8. 9. 10: 11. N	ALL NO ALL RE TO OT TO OT TO VF1	ALL FOOT P OF FOOT TED. STEM WINFORCE P OF FOU HERWISE P OF PIEF TE 11 RE C WIDTH 2' - 0" LENGTH 3' - 6"		GS ARE WE1, U RE CENTERED ELEVATION IS - FO BE 8" THICK TO BE 8" THICK DOTING SC 1 THICKNESS 1' - 0"	INLESS OTHERW ON FOUNDATIO 4' - 0" UNLESS O UNO ON PLAN, OC, EW, CENTER ATION IS 1'-0" U UNLESS OTHERV UNLESS OTHERV SCHEDULE NG. REINF. 5, EQ SP, BTM #5 CHEDULE LONG. REINF. (4) #5, EQ SP, BTM	TRANS. REINF. (4) #5, EQ SP, BTM			
7. 8. 9. 10. 11. M	ALL RE TO NO ALL RE TO OT TO OT TO OT	ALL FOOT P OF FOOT TED. STEM WINFORCE P OF FOU HERWISE P OF PIEF TE 11 REI C WIDTH 2' - 0" LENGTH 3' - 6" 5' - 6"	ALLS - MENT MENT INDATH NOTE RELEV MOVEL WAL 1 THIC 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SS ARE WF1, U RE CENTERED ELEVATION IS - TO BE 8" THICK TO BE 45@12" ON WALL ELEV ATION IS 0'-0" I D. L FOOTING CKNESS LO '- 0" (3) #5 OOTING SC 1'-0" 1'-0"	INLESS OTHERW ON FOUNDATIO 4' - 0" UNLESS O UNO ON PLAN, OC, EW, CENTER ATION IS 1'-0" U UNLESS OTHERV JNLESS OTHERV SCHEDULE NG. REINF. 5, EQ SP, BTM #5 CHEDULE LONG. REINF. (4) #5, EQ SP, BTM (6) #5, EQ SP, BTM	TRANS. REINF. (4) #5, EQ SP, BTM (6) #5, EQ SP, BTM			
7. 8. 9. 10. 11. M F F	TO NO ALL RE TO OT TO OT TO NO	VALL FO P OF FOC TED. STEM W INFORCE P OF FOU HERWISE P OF PIEF TE 11 REI 2' - 0" LENGTH 3' - 6" 5' - 6"	ALLS DTING I ALLS MENT INDATI NOTE RELEV MOVEI WAL 1 THIC 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SS ARE WE1, U RE CENTERED ELEVATION IS - TO BE 8" THICK TO BE #5@12" ON WALL ELEV ON WALL ELEV ATION IS 0'-0" I D. L FOOTING CKNESS I '-0" 1'-0" 1'-0" 1'-0" PIER SCHE	INLESS OTHERW ON FOUNDATIO 4' - 0" UNLESS O UNO ON PLAN, OC, EW, CENTER ATION IS 1'-0" U UNLESS OTHERV UNLESS OTHERV SCHEDULE NG. REINF. 5, EQ SP, BTM # CHEDULE LONG. REINF. (4) #5, EQ SP, BTM (6) #5, EQ SP, BTM	THERWISE THERWISE COF WALL. NLESS WISE NOTED. TRANS. REINF. 5 @18" OC, BTM TRANS. REINF. (4) #5, EQ SP, BTM (6) #5, EQ SP, BTM			
7. 8. 9. 10: 11. MA F F	ALL TO NO ALL RE TO OT TO OT TO OT TO MARK E1 E2 ARK E1 E2	VALL FO P OF FOC TED. STEM W INFORCE P OF FOU HERWISE P OF PIEF TE 11 RE V VIDTH 2' - 0" LENGTH 3' - 6" 5' - 6" SIZE		SS ARE WE1, U RE CENTERED ELEVATION IS - FO BE 8" THICK TO BE 8" THICK L FOOTING SC L THICKNESS 1' - 0" 1' - 0" 1' - 0" PIER SCHE RT REINF 45 EO SP	INLESS OTHERW ON FOUNDATIO 4' - 0" UNLESS O UNO ON PLAN, OC, EW, CENTER ATION IS 1'-0" U UNLESS OTHERV SCHEDULE NG. REINF. 5, EQ SP, BTM #4 CHEDULE LONG. REINF. (4) #5, EQ SP, BTM (6) #5, EQ SP, BTM (6) #5, EQ SP, BTM	THERWISE THERWISE COF WALL. NLESS WISE NOTED. TRANS. REINF. 6 @18" OC, BTM (6) #5, EQ SP, BTM (6) #5, EQ SP, BTM			
7. 8. 9. 10. 11. MA F F	ALL WA TO NO ALL RE TO OT TO OT TO NO ALL RE TO OT TO ARK TO TO ARK TO TO TO ALL RE TO TO ALL RE TO TO TO ALL RE TO TO TO ALL RE TO TO TO TO TO TO TO TO TO TO	WALL FO P OF FOO TED. STEM WINFORCE P OF FOU HERWISE P OF PIEF TE 11 REI VIDTH 3' - 6" 5' - 6" SIZE 22"x22" 16"x22"	ALLS - MENT MENT NOTE NOTE NOVE MOVE WAL 1 THIC 3' - 6" 5' - 6" 5' - 6"	SS ARE WE1, U RE CENTERED ELEVATION IS - TO BE 8" THICK TATION IS 0"-0" TO ATION IS 0"-0" TO CKNESS LO ' - 0" (3) #5 OOTING SC H THICKNESS 1' - 0" 1' - 0" PIER SCHE RT REINF #5, EQ SP #5, EQ SP	INLESS OTHERW ON FOUNDATIO 4' - 0" UNLESS O UNO ON PLAN, OC, EW, CENTER ATION IS 1'-0" U UNLESS OTHERW UNLESS OTHERW SCHEDULE NG. REINF. 5, EQ SP, BTM #5 CHEDULE LONG. REINF. (4) #5, EQ SP, BTM (6) #5, EQ SP, BTM (6) #5, EQ SP, BTM (6) #5, EQ SP, BTM	TRANS. REINF. (4) #5, EQ SP, BTM (6) #5, EQ SP, BTM (6) #5, EQ SP, BTM (74INDER @10" AINDER @10"			
7. 8. 9. 10. 11. MA F F F	ALL TO NO ALL RE TO OT TO OT TO OT TO OT TO ARK F1 F2 P2 P3 ARK	WALL FO P OF FOOTED. STEM WINFORCE P OF FOU HERWISE P OF PIEF TE 11 REI X WIDTH 2' - 0" LENGTH 3' - 6" 5' - 6" SIZE 22"x22" 16"x22" 16"x20"	ALLS - MENT MENT INDATH NOTE RELEV MOVEL WAL 1 THIC 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SS ARE WE1, U RE CENTERED ELEVATION IS - TO BE 8" THICK L FOOTING SC L FOOTING SC H THICKNESS 1' - 0" 1' - 0" 1' - 0" PIER SCHE \$5, EQ SP \$5, EQ SP \$5, EQ SP	INLESS OTHERW ON FOUNDATIO 4' - 0" UNLESS O UNO ON PLAN, OC, EW, CENTER ATION IS 1'-0" U UNLESS OTHERV JNLESS OTHERV JNLESS OTHERV SCHEDULE NG. REINF. 5, EQ SP, BTM #5 EHEDULE LONG. REINF. (4) #5, EQ SP, BTM (6) #5, EQ SP, BTM	TRANS. REINF. (4) #5, EQ SP, BTM (6) #5, EQ SP, BTM (6) #5, EQ SP, BTM (7) #5, EQ SP, BTM (6) #5, EQ SP, BTM (6) #5, EQ SP, BTM (7) #5, EQ SP, BTM			
7. 8. 9. 10: 11. MA F F F F	ALL TO NO ALL RE TO OT TO OT TO NO ALL RE TO OT TO OT TO ARK F1 F2 P3 ARK	WALL FO P OF FOOTED. STEM WINFORCE P OF FOU HERWISE P OF PIEF TE 11 REI VIDTH 3' - 6" 5' - 6" SIZE 22"x22" 16"x20"	NGS A DTING I ALLS - MENT NDATI NOTE MOVEI WAL I THIC MOVEI WAL I THIC S' - 6" VEF (8) # (8) # (8) # (8) # (8) #	SS ARE WF1, U RE CENTERED ELEVATION IS - FO BE 8" THICK TO BE 8" THICK TATION IS 0"-0" I D. L FOOTING CKNESS LO ' - 0" (3) #5 OOTING SC I THICKNESS 1' - 0" PIER SCHE 75, EQ SP 75, EQ SP 75, EQ SP 75, EQ SP	INLESS OTHERW ON FOUNDATIO 4' - 0" UNLESS O UNO ON PLAN, OC, EW, CENTER ATION IS 1'-0" U UNLESS OTHERW UNLESS OTHERW SCHEDULE NG. REINF. 5, EQ SP, BTM #4 CHEDULE LONG. REINF. (4) #5, EQ SP, BTM (6) #5, EQ SP, BTM	AN WALLS. THERWISE THERWISE A OF WALL. NLESS WISE NOTED. TRANS. REINF. (4) #5, EQ SP, BTM (6) #5, EQ SP, BTM (6) #5, EQ SP, BTM (6) #5, EQ SP, BTM			
7. 8. 9. 10. 11. MA F F F F F	ALL TO NO ALL RE TO OT TO OT TO OT TO VF1	WALL FO P OF FOOTED. STEM WINFORCE P OF FOU HERWISE P OF PIEF TE 11 RE X WIDTH 2' - 0" LENGTH 3' - 6" SIZE 22"x22" 16"x20"	ALLS - MENT MENT MOVEL MOVEL MOVEL MOVEL MOVEL MOVEL MOVEL MOVEL 1 THIC 1 THIC 3' - 6" 5' - 6" VEF (8) \$ (8) \$ (8) \$	SS ARE WF1, U RE CENTERED ELEVATION IS - TO BE 8" THICK TATION IS 0"-0" I TO ATION IS 0"-0" I TO CKNESS LO I - 0" (3) #5 OOTING SC I THICKNESS I 1' - 0" I 1' - 0" I 1' - 0" FS, EQ SP #5, EQ SP #5, EQ SP #5, EQ SP	INLESS OTHERW ON FOUNDATIO 4' - 0" UNLESS O UNO ON PLAN, OC, EW, CENTER ATION IS 1'-0" U UNLESS OTHERV JNLESS OTHERV SCHEDULE NG. REINF. 5, EQ SP, BTM #5 CHEDULE LONG. REINF. (4) #5, EQ SP, BTM (6) #5, EQ SP, BTM	ISE NOTED. IN WALLS. THERWISE A OF WALL. NLESS VISE NOTED. TRANS. REINF. (4) #5, EQ SP, BTM (6) #5, EQ SP, BTM (6) #5, EQ SP, BTM (6) #5, EQ SP, BTM			
7. 8. 9. 10: 11. MA F F F F F I	ALL TO NO ALL RE TO OT TO OT TO OT TO OT TO OT ARK 51 52 53	VALL FO P OF FOOT TED. STEM WINFORCE P OF FOU HERWISE P OF PIEF TE 11 RE VIDTH 2' - 0" LENGTH 3' - 6" SIZE 22"x22" 16"x22" 16"x22" 16"x22" PIPE PEN TO MECH	ALLS DTING I ALLS MENT INDATI NOTE WOVEI MOVEI MOVEI <	SS ARE WF1, U RE CENTERED ELEVATION IS - FO BE 8" THICK TO OT ING SC TO TING SC	INLESS OTHERW ON FOUNDATIO 4' - 0" UNLESS O UNO ON PLAN, OC, EW, CENTER ATION IS 1'-0" U UNLESS OTHERV SCHEDULE NG. REINF. 5, EQ SP, BTM # CHEDULE LONG. REINF. (4) #5, EQ SP, BTM (6) #5, EQ SP, BTM	VISE NOTED. THERWISE THERWISE COF WALL. NLESS VISE NOTED. TRANS. REINF. (4) #5, EQ SP, BTM (6) #5, EQ SP, BTM (7) AINDER @10" AAINDER @10"			
7. 8. 9. 10: 11. MA F F F F F I 1 2	ALL TO NO ALL RE TO OT TO OT TO OT TO WF1 ARK =1 =2 	VALL FO P OF FOOT TED. STEM WINFORCE P OF FOU HERWISE P OF PIEF TE 11 RE VIDTH 2' - 0" LENGTH 3' - 6" SIZE 22"x22" 16"x20" OTES PIPE PEN TO MECH PRECAS	NOTING I ALLS - MENT NOTE NOTE NOTE NOTE NOTE NOTE MOVEL I THIC 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SS ARE WE1, U RE CENTERED ELEVATION IS - FO BE 8" THICK TO TO 15 0" 0" (3) #5 DOTING SC H THICKNESS 1' - 0" 1' - 0" 1' - 0" 1' - 0" PIER SCHE F5, EQ SP	INLESS OTHERW ON FOUNDATIO 4' - 0" UNLESS O UNO ON PLAN, OC, EW, CENTER ATION IS 1'-0" U UNLESS OTHERV SCHEDULE NG. REINF. 5, EQ SP, BTM #5 CHEDULE LONG. REINF. (4) #5, EQ SP, BTM (6) #5, EQ SP, BTM (6) #5, EQ SP, BTM (6) #5, EQ SP, BTM 1 @2",1 @3", REM 1 @2",1 @3", REM 1 @2",1 @3", REM 1 @2",1 @3", REM 1 @2",1 @3", REM	VISE NOTED. THERWISE THERWISE A OF WALL. NLESS VISE NOTED. TRANS. REINF. (4) #5, EQ SP, BTM (6) #5, EQ SP, BTM (7) WALL, REFER NFORMATION			
7. 8. 9. 10. 11. MA F F F F I 2 3	ALL WA TO NO ALL RE TO OT TO OT TO VF1 ARK F1 F2 ARK F1 F2 F2 F1 F1 F1 F2 F1 F1 F1 F1 F1 F1 F1 F1 F1 F1	VALL FO P OF FOOT P OF FOU P OF FOU HERWISE P OF PIEF TE 11 RE VIDTH 2' - 0" VIDTH 3' - 6" SIZE 22"x22" 16"x20" VIDTH 3' - 6" SIZE 22"x22" 16"x20" VIDTH 0 TES PIPE PEN TO MECH PRECAS EXISTING	ALLS - MENT INDATH NOTE NOTE NOTE NOTE NOTE WOVEL WAL 1 THIC 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	SS ARE WE1, U RE CENTERED ELEVATION IS - FO BE 8" THICK TO BE 8" THICK L FOOTING SC H THICKNESS 1' - 0" 1' - 0" 1' - 0" 1' - 0" TO THROUGH TION THROUGH IS AND S300 FC CH BASIN PER 0 CH BASIN PER 0 NDATIONS, VEF	INLESS OTHERW ON FOUNDATIO 4' - 0" UNLESS O UNO ON PLAN, OC, EW, CENTER ATION IS 1'-0" U UNLESS OTHERV SCHEDULE NG. REINF. 5, EQ SP, BTM #5 CHEDULE LONG. REINF. (4) #5, EQ SP, BTM (6) #5, EQ SP, BTM (6) #5, EQ SP, BTM (6) #5, EQ SP, BTM 1 @2",1 @3", REM 1 @2",1 @3", REM	VISE NOTED. THERWISE THERWISE A OF WALL. NLESS VISE NOTED. TRANS. REINF. (4) #5, EQ SP, BTM (6) #5, EQ SP, BTM (7) AINDER @10" AAINDER @10 " AAINDER @1			

•

		1			CONDUIT AND CABLE SCHEDU	LE	CONDUIT AND CABLE SCHEDULE						1			
CON	NDUIT	CA	BLE	PURPOSE	FROM	VIA TO	REMARKS	CONE	DUIT	C	ABLE	PURPOSE	FROM	VIA	ТО	REMARKS
NO.	SIZE	QTY.	SIZE					NO.	SIZE	QTY.	SIZE					
A1.1	(x2) 4"	4/EA	600MCM	POWER	UTILITY	MDS		D1.1	3/4"	3	#12	POWER	NEW POWER PANEL #1		FLOCCULATOR MIXER #1 CONTROLLER	
A1.2	(x2) 4"	4/EA	600MCM	POWER	MDS	CT CABINET		D1.2	3/4"	3	#12	POWER	NEW POWER PANEL #1		FLOCCULATOR MIXER #2 CONTROLLER	
A1.3	(x2) 4"	4/EA	600MCM	POWER	CT CABINET	ATS										
A1.4	(x2) 3"	4/EA	350MCM	POWER	EXISITING GENERATOR CONNECTION FEED	ATS	EX CABLES	P1.1	2"	4	2/0	POWER	NEW POWER PANEL #1		NEW HIGH SERVICE PUMP #1 VFD	
A1.5	(x2) 4"	4/EA	600MCM	POWER	ATS	NEW POWER PANEL #1		P1.2	2"	4	2/0	POWER	NEW HIGH SERVICE PUMP #1 VFD	DISCONNECT	NEW HIGH SERVICE PUMP #1	
A2.1	1"	4	#4	POWER	NEW POWER PANEL #1	EXISTING 45KVA XFMR		P1.3	3/4"	1	CAT6	CONTROL	MAIN CONTROL PANEL		NEW HIGH SERVICE PUMP #1 VFD	
A2.2	1-1/4"	4	#3	POWER	NEW POWER PANEL #1	NEW 37.5KVA XFMR-1		P1.4	3/4"	4	#14	CONTROL	MAIN CONTROL PANEL		HIGH SERVICE PUMP #1 CHECK VALVE	LIMIT SWITCH
A2.3	1-1/4"	4	#3	POWER	NEW 37.5KVA XFMR-1	DISCONNECT NEW LIGHTING PANEL		P2.1	2"	4	2/0	POWER	NEW POWER PANEL #1		NEW HIGH SERVICE PUMP #2 VFD	
A2.4	1-1/4"	4	#3	POWER	NEW 37.5KVA XFMR-1	NEW RECEPTACLE PANEL		P2.2	2"	4	2/0	POWER	NEW HIGH SERVICE PUMP #2 VFD	DISCONNECT	NEW HIGH SERVICE PUMP #2	
								P2.3	3/4"	1	CAT6	CONTROL	MAIN CONTROL PANEL		NEW HIGH SERVICE PUMP #2 VFD	
B1.1	3/4"	4	#12	POWER	NEW POWER PANEL #1	EXISTING TRIDENT BLOWER #1 MS		P2.4	3/4"	4	#14	CONTROL	MAIN CONTROL PANEL		HIGH SERVICE PUMP #2 CHECK VALVE	LIMIT SWITCH
B1.2	3/4"	4	#12	POWER	NEW POWER PANEL #1	EXISTING TRIDENT BLOWER #2 MS		P3.1	2"	4	2/0	POWER }	NEW POWER PANEL #1		NEW HIGH SERVICE PUMP #3 VFD	
B1.3	3/4"	4	#8	POWER	NEW POWER PANEL #1	EXISTING TRIDENT BLOWER #3 MS		P3.2	2"	4	2/0	POWER }	NEW HIGH SERVICE PUMP #3 VFD	DISCONNECT	NEW HIGH SERVICE PUMP #3	
B1.4	3/4"	4	#8	POWER	NEW POWER PANEL #1	EXISTING TRIDENT BLOWER #4 MS		P3.3	3/4"	1	CAT6	CONTROL	MAIN CONTROL PANEL		NEW HIGH SERVICE PUMP #3 VFD	
B2.1	3/4"	1	CAT6	CONTROL	FILTER #1 RIO	MAIN CONTROL PANEL		P3.4	3/4"	4	#14	CONTROL	MAIN CONTROL PANEL		HIGH SERVICE PUMP #3 CHECK VALVE	LIMIT SWITCH
B2.2	3/4"	1	CAT6	CONTROL	FILTER #2 RIO	MAIN CONTROL PANEL		P4.1	1-1/4"	4	#1	POWER	NEW POWER PANEL #1		NEW BACKWASH PUMP #1 VFD	
C1.1	1-1/2"	4	#2	POWER	NEW POWER PANEL #1	NEW CLARIFIER BUILDING POWER PANEL		P4.2	1-1/4"	4	#1	POWER	NEW BACKWASH PUMP #1 VFD	DISCONNECT	NEW BACKWASH PUMP #1	
C1.2	3/4"	4	#8	POWER	NEW CLARIFIER BUILDING POWER PANEL	NEW CLARIFIER BUILDING XFMR		P4.3	3/4"	1	CAT6	CONTROL	MAIN CONTROL PANEL		NEW BACKWASH PUMP #1 VFD	
C1.3	1"	4	#2	POWER	NEW CLARIFIER BUILDING XFMR	NEW CLARIFIER BUILDING LIGHTING PANEL		P5.1	1-1/4"	4	#1	POWER	NEW POWER PANEL #1		NEW BACKWASH PUMP #2 VFD	
C1.4	3/4"	4	#10	POWER	NEW CLARIFIER BUILDING POWER PANEL	NEW TRIDENT HSR CONTROL PANEL		P5.2	1-1/4"	4	#1	POWER	NEW BACKWASH PUMP #2 VFD	DISCONNECT	NEW BACKWASH PUMP #2	
C1.5	3/4"	1	CAT6	CONTROL	MAIN CONTROL PANEL	NEW TRIDENT HSR CONTROL PANEL		P5.3	3/4"	1	CAT6	CONTROL	MAIN CONTROL PANEL		NEW BACKWASH PUMP #2 VFD	
C1.6	3/4"	3	#12	POWER	NEW CLARIFIER BUILDING LIGHTING PANEL	UNIT A CONTROL PANEL										
C1.7	3/4"	1	CAT6	CONTROL	NEW TRIDENT HSR CONTROL PANFI	UNIT A CONTROL PANEL		L1.1	1-1/2"	4	#2	POWER	NEW POWER PANEL #1		EXISTING RAW WATER PS MDP	
C1.8	3/4"	3	#12	POWER	NEW CLARIFIER BUILDING LIGHTING PANEL	UNIT B CONTROL PANFI		L1.2	2"	1	FIBER	CONTROL	MAIN CONTROL PANEI		NEW RAW WATER CONTROL PANEL	
C1 9	3/4"	1	CAT6	CONTROL	NEW TRIDENT HSR CONTROL PANEL			L1 3	- 3/4"	3	#12	POWFR	EXISTING PS I P-1		NEW RAW WATER CONTROL PANEL	
C.2 1	3/4"	4	#12	POWFR	NEW CLARIFIER BUILDING POWER PANEL	CI ARIFIER TRANSFER PI IMP #1 \/ED		121	3/4"	4	#8	POWER	EXISTING RAW WATER PS MDP		NEW RAW WATER PLIMP #1 \/FD	
C2 2	3/4"	4	#12	POWER	CLARIFIER TRANSFER PLIMP #1 VED	DISCONNECT CLARIFIER TRANSFER PLIMP #1		122	3/4"	<u> </u>	#8	POWER	NEW RAW WATER PLIMP #1 VED		NEW RAW WATER PLIMP #1	
02.2	3//"	1						123	3///"	1						
C2.0	2/4"	1	#12					12.0	2///"	I Q	#1 <i>1</i>					
02.4	2//"	4	#12					131	2///"	0	#14					
C2.5	3/4	4	#12 CAT6						3/4	4	#0	POWER				
02.0	3/4	1	UATO #12						3/4	4	#0 CATE					
02.7	3/4	4	#12	POWER		DISCONNECT CLARIFIER #1 DRIVE UNIT		L3.3	3/4	1		CONTROL				
C3.1	3/4"	4	#12	POWER				L3.4	3/4"	8	#14	CONTROL			NEW RAW WATER PUMP #2 THERM/SEAL	
C3.2	3/4"	4	#12	POWER	CLARIFIER TRANSFER PUMP #2 VFD	DISCONNECT CLARIFIER TRANSFER PUMP #2		L4.1	3/4"	4	#8	POWER				
C3.3	3/4"	1	CA16	CONTROL		CLARIFIER TRANSFER PUMP #2 VFD		L4.2	3/4"	4	#8	POWER	NEW RAW WATER PUMP #3 VFD		NEW RAW WATER PUMP #3	
C3.4	3/4"	4	#12	POWER	NEW CLARIFIER BUILDING POWER PANEL	RECIRC PUMP #2 VFD		L4.3	3/4"	1	CA16	CONTROL	NEW RAW WATER PUMP #3 VFD		NEW RAW WATER CONTROL PANEL	
C3.5	3/4"	4	#12	POWER	RECIRC PUMP #2 VFD	DISCONNECT RECIRC PUMP #2		L4.4	3/4"	8	#14	CONTROL	NEW RAW WATER PUMP #3 VFD		NEW RAW WATER PUMP #3 THERM/SEAL	
C3.6	3/4"	1	CAT6	CONTROL	UNIT B CONTROL PANEL	RECIRC PUMP #2 VFD		L5.1	3/4"	4	#14	CONTROL	NEW RAW WATER CONTROL PANEL		EXISTING AIR COMPRESSOR CP 1	
C3.7	3/4"	4	#12	POWER	UNIT B CONTROL PANEL	DISCONNECT CLARIFIER #2 DRIVE UNIT		L5.2	3/4"	4	#14	CONTROL	NEW RAW WATER CONTROL PANEL		EXISTING AIR COMPRESSOR CP 2	
C4.1	3/4"	3	#12	POWER	NEW CLARIFIER BUILDING LIGHTING PANEL	INFLUENT ACTUATED VALVE #1										
C4.2	3/4"	8	#14	CONTROL	UNIT A CONTROL PANEL	INFLUENT ACTUATED VALVE #1		M1.1	3/4"	3	#12	POWER	PUMP STATION PANEL		MIXER MS/DC	
C4.3	3/4"	3	#12	POWER	NEW CLARIFIER BUILDING LIGHTING PANEL	SLUDGE RECYCLE VALVE #1		M1.2	3/4"	10	#14	CONTROL	PUMP STATION PANEL		MIXER CONTROL PANEL	
C4.4	3/4"	8	#14	CONTROL	UNIT A CONTROL PANEL	SLUDGE RECYCLE VALVE #1		M1.3	3/4"	4	#12	POWER	MIXER CONTROL PANEL		MIXER	
C4.5	3/4"	3	#12	POWER	NEW CLARIFIER BUILDING LIGHTING PANEL	SLUDGE BLOWDOWN VALVE #1		M1.4	3/4"	10	#14	CONTROL	MIXER CONTROL PANEL		MIXER	
C4.6	3/4"	8	#14	CONTROL	UNIT A CONTROL PANEL	SLUDGE BLOWDOWN VALVE #1										
C4.7	3/4"	3	#12	POWER	NEW CLARIFIER BUILDING LIGHTING PANEL	CLARIFIER TRANSFER VALVE #1		U1.1	3/4"	3	#8	POWER	EXISTING INSTRUMENT POWER PANEL		UV CP #1	
C4.8	3/4"	8	#14	CONTROL	UNIT A CONTROL PANEL	CLARIFIER TRANSFER VALVE #1		U1.2	3/4"	1	CAT6	CONTROL	MAIN CONTROL PANEL		UV CP #1	
C5.1	3/4"	3	#12	POWER	NEW CLARIFIER BUILDING LIGHTING PANEL	INFLUENT ACTUATED VALVE #2		U1.3	3/4"	-	VSC	PWR/CTRL	UV CP #1		UV UNIT #1	
C5.2	3/4"	8	#14	CONTROL	UNIT B CONTROL PANEL	INFLUENT ACTUATED VALVE #2		U2.1	3/4"	3	#8	POWER	EXISTING INSTRUMENT POWER PANEL		UV CP #2	
C5.3	3/4"	3	#12	POWER	NEW CLARIFIER BUILDING LIGHTING PANEL	SLUDGE RECYCLE VALVE #2		U2.2	3/4"	1	CAT6	CONTROL	MAIN CONTROL PANEL		UV CP #2	
C5.4	3/4"	8	#14	CONTROL	UNIT B CONTROL PANEL	SLUDGE RECYCLE VALVE #2		U2.3	3/4"	-	VSC	PWR/CTRL	UV CP #2		UV UNIT #2	
C5.5	3/4"	3	#12	POWER	NEW CLARIFIER BUILDING LIGHTING PANEL	SLUDGE BLOWDOWN VALVE #2										
C5.6	3/4"	8	#14	CONTROL	UNIT B CONTROL PANEL	SLUDGE BLOWDOWN VALVE #2		F1.1	3/4"	3	#12	POWER	EXISTING INSTRUMENT POWER PANEL		NEW EFFLUENT FM TRANSMITTER	
C5.7	3/4"	3	#12	POWER	NEW CLARIFIER BUILDING LIGHTING PANEL	CLARIFIER TRANSFER VALVE #2		F1.2	3/4"	1	16TS	CONTROL	MAIN CONTROL PANEL		NEW EFFLUENT FM TRANSMITTER	
C5.8	3/4"	8	#14	CONTROL	UNIT B CONTROL PANEL	CLARIFIER TRANSFER VALVE #2		F1.3	3/4"	1	VSC	PWR/CTRL	NEW EFFLUENT FM TRANSMITTER		NEW EFFLUENT FLOW METER	
C6.1	3/4"	3	#12	POWER	NEW CLARIFIER BUILDING LIGHTING PANEL	INLET METER #1		F2.1	3/4"	3	#12	POWER	EXISTING INSTRUMENT POWER PANEL		NEW CLARIFIER FLOW CONTROL VALVE	
C6.2	3/4"	1	16TS	CONTROL	UNIT A CONTROL PANEL	INLET METER #1		F2.2	3/4"	8	#14	CONTROL	MAIN CONTROL PANEL		NEW CLARIFIER FLOW CONTROL VALVE	
C6.3	3/4"	3	#12	POWER	NEW CLARIFIER BUILDING LIGHTING PANEL	INLET METER #2		H1.1	3/4"	4	#12	POWER	NEW CLARIFIER BUILDING POWER PANEL	MS/DC	EF1	
C6.4	3/4"	1	16TS	CONTROL	UNIT B CONTROL PANEL	INLET METER #2		H1.2	3/4"	3	#12	POWER	LV1		EF1 MS/DC	
C6.5	3/4"	3	#12	POWER	NEW CLARIFIER BUILDING LIGHTING PANEL	SLUDGE RECIRC METER #1		H1.3	3/4"	3	#12	POWER	LV2		EF1 MS/DC	
C6.6	3/4"	1	16TS	CONTROL	UNIT A CONTROL PANEL	SLUDGE RECIRC METER #1		H1.4	3/4"	2	#12	CONTROL	TSTAT		EF1 MS/DC	
C6.7	3/4"	3	#12	POWER	NEW CLARIFIER BUILDING LIGHTING PANEL	SLUDGE RECIRC METER #2		H1.5	3/4"	2	#12	CONTROL	HSTAT		EF1 MS/DC	
C6.8	3/4"	1	16TS	CONTROL	UNIT B CONTROL PANEL	SLUDGE RECIRC METER #2		H2.1	3/4"	4	#12	POWER	NEW CLARIFIER BUILDING POWER PANEL	DISCONNECT	UH1	
C7.1	3/4"	1	16TS	CONTROL	UNIT A CONTROL PANEL	LEVEL TRANSMITTER #1		H2.2	3/4"	4	#12	POWER	NEW CLARIFIER BUILDING POWER PANEL	DISCONNECT	UH2	
C7.2	3/4"	1	16TS	CONTROL	UNIT B CONTROL PANEL	LEVEL TRANSMITTER #2		H2.3	3/4"	2	#12	CONTROL	TSTAT		UH1	
C7.3	3/4"	3	#12	POWER	NEW CLARIFIER BUILDING LIGHTING PANEL	TURBIDIMETER ASSEMBLY #1		H2.4	3/4"	2	#12	CONTROL	TSTAT		UH2	
C7.4	3/4"	1	16TS	CONTROL	UNIT A CONTROL PANEL	TURBIDIMETER ASSEMBLY #1		H2.5	3/4"	4	#12	POWER	NEW CLARIFIER BUILDING POWER PANEL	DISCONNECT	UH3	
C7.5	3/4"	1	VSC	PWR/CTRI	TURBIDIMETER CONTROLLER #1	TURBIDIMETER SENSOR #1		H2.6	3/4"	4	#12	POWER	NEW CLARIFIER BUILDING POWER PANFI	DISCONNECT	UH4	
C7.6	3/4"	3	#12	POWER	NEW CLARIFIER BUILDING LIGHTING PANEL	TURBIDIMETER ASSEMBLY #2		H2.7	3/4"	2	#12	CONTROL	TSTAT		UH3	
C7 7	3/4"	1	16TS	CONTROL		TURBIDIMETER ASSEMBLY #2		H2.8	3/4"	2	#12	CONTROL	TSTAT		UH4	
C7 8	3/4"	1	VSC	PWR/CTRI	TURBIDIMETER CONTROL I FR #2	TURBIDIMETER SENSOR #2		H3.1	3/4"	3	#12	POWFR	NEW CLARIFIER BUILDING POWER PANEL		DEHUMIDIFER 277V RECEPTACI E	
C.8 1	3/4"	4	#12	POWFR	NEW CLARIFIER BUILDING LIGHTING PANEL			H3 2	3/4"	2	#12	CONTROL	DFHUMIDIFIFR			
C8 2	3/ 1 2///"	6	#1 <i>1</i>					. 10.2		-	if 1 4	CONTROL		<u> </u>		
00.2			דיוו	CONTROL											WARNING - IT IS A VIOLATION OF NEW YORK EDUCATION LAW SECTION 7205 DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO	9.2, FOR ANY PERSON, UNLESS HE IS D ALTER THIS DOCUMENT IN ANY WAY

ACTING UNDER THE IF ALTERED THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATION LAW, SECTION 7209.2.

	DATE:10/28/2024DRAWN BY:EMBSCALE:AS SHOWNSCALE:AS SHOWNREVIEWED BY:RFPROJECT NO::FILE:
	 DELAUARE ENGINEERING, D.P.C. ENGINEERING, D.P.C. CIVIL AND ENVIRONMENTAL ENGINEERING CIVIL AND ENVIRONMENTAL ENGINEERING 55 SOUTH MAIN ST, ONEONTA, NY 13820 - 607,432.8073 31 NORTH MAIN STREET, UALTON, NY 13856 - 607,855.9235 16 EAST MARKET ST., RED HOOK, NY 12571 - 518.452.1290 548 BROADWAY, MONTICELLO, NY 12701 - 845.791.7777
	DEPENDENCE INFORMATION OF THE PROPERTY OF THE
	REVISIONS NO. DATE DESCRIPTION 1. 11/01/24 ADDENDUM #1 1 11/01/24 ADDENDUM #1
	RHINEBECK WTP PLANT IMPROVEMENTS VILLAGE OF RHINEBECK DUTCHESS COUNTY, NEW YORK
	LOWER LEVEL ELECTRICAL PLAN
WARNING - IT IS A VIOLATION OF NEW YORK EDUCATION LAW SECTION 7209.2, FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR, TO ALTER THIS DOCUMENT IN ANY WAY. IF ALTERED THE ALTERING PERSON SHALL COMPLY WITH THE REQUIREMENTS OF NEW YORK EDUCATION I AW. SECTION 7209.2	sheet: E-104

		•••••							
ID	LOCATION	MANUFACTURER & MODEL NUMBER	TYP	KW	BTU	AIRFLOW (CFM)	VOLT/PH/HZ	MAX MTG HGT (FT)	NOTES
UH-1	CLARIFIER BLDG	MODINE NEW-480360-075	HORIZONTAL	7.5	25,600	700	460/3/60	8.5	NEW ADJUSTABLE WALL MOUNT
UH-2	CLARIFIER BLDG	MODINE NEW-480360-075	HORIZONTAL	7.5	25,600	700	460/3/60	8.5	NEW ADJUSTABLE WALL MOUNT
UH-3	CLARIFIER BLDG	MODINE NEW-480360-075	HORIZONTAL	7.5	25,600	700	460/3/60	8.5	NEW ADJUSTABLE WALL MOUNT
UH-4	CLARIFIER BLDG	MODINE NEW-480360-075	HORIZONTAL	7.5	25,600	700	460/3/60	8.5	NEW ADJUSTABLE WALL MOUNT

DEHUMIDIFIER SCHEDULE										
CAPACITY	LOCATION	MANUFACTURER & MODEL NUMBER	TYP	KW	BTU/H	AIRFLOW (CFM)	VOLT/PH/HZ	NOTES		
PPD AT 80°/60% RH	CLARIFIER BLDG	ANDEN A710V3	HORIZONTAL	6.35	16,168	700	277/1/60	CEILING HANGERS AND WALL MOUNTS IN PROVIDE A HARD-PIPE PVC DRIP LINE TO		

