A	FURNISH AND INSTALL SUPPORT BRACKETS, BACKING, AND STIFFENERS AS REQUIRED AT ALL FIXTURES AND ACCESSORIES. DO NOT MODIFY, CUT, OR OTHERWISE COMPROMISE THE INTEGRITY OF STRUCTURAL ELEMENTS WITHOUT WRITTEN CONSENT AND GUIDANCE FROM THE STRUCTURAL ENGINEER.	LUMBER SHALL BE NO GREATER T OF MATERIAL.BORED HOLES IN NO SHALL BE NO GREATER THAN 609 WIDTH. (ALL HOLES MUST BE MIN. 9 NOTCHES IN NON-BEARING LUMBE GREATER THAN 40% OF WIDTH 09	THAN 25% OF WIDTH ON-BEARING LUMBER % OF MATERIAL 5/8" FROM EDGE) R SHALL BE NO F MATERIAL.									
В	SHOWN IN THE DRAWINGS AND SPECIFICATIONS. ANY CUSTOMARY AND NECESSARY ITEMS WHICH ARE REASONABLY IMPLIED AND REQUIRED TO COMPLETE THE WORK SHALL BE FURNISHED, EVEN IF NOT SHOWN IN THE DRAWINGS OR SPECIFICATIONS.	PROVIDE BLOCKING WHERE PLYM PERPENDICULAR TO STUDS BORED HOLES IN BEARING LUMBE GREATER THAN 40% OF MATERIA MUST BE MIN. 5/8" FROM EDGE) NO	R SHALL BE NO L WIDTH. (ALL HOLES OTCHES IN BEARING									
	THE WORK IN THE BUILDER'S CONTRACT WITH THE OWNER SHALL INCLUDE ALL MATERIALS, EQUIPMENT, AND LABOR REQUIRED TO COMPLETE THE WORK AS	DIVISION 6 - WOOD AND PLASTIC										
С	DO NOT PROCEED WITH SHOP FABRICATION PRIOR TO OBTAINING FIELD DIMENSIONS.	PROVIDE GALVANIC ISOLATION B METALS	ETWEEN DISSIMILAR									
	UNLESS NOTED OTHERWISE, DIMENSIONS ARE TO FACE OF STUD AT NEW CONSTRUCTION AND FACE OF FINISH AT EXISTING CONSTRUCTION.	DRIVEWAYS, AND SOLID DECKING STAIR LANDINGS.	SURFACES AND									
	COLOR, FABRICATION, ETC. THIS INCLUDES, BUT IS NOT LIMITED TO: METAL RAILINGS, DECKING, ROOFING, SIDING, HARDWARE, AND PAINT.	COMPLETED GRADING SHALL RES SLOPE AWAY FROM ALL BUILDING AREAS, A MINIMUM DISTANCE OF 5 AWAY FROM ALL BUILDING WALLS	DULT IN A MINIMUM 5% WALLS AT UNPAVED D'-O", AND 2% SLOPE AT WALKS PATIOS									
D	CONTRACTOR SHALL PROVIDE SUBMITTALS TO OWNER AND ARCHITECT ON ITEMS AND SYSTEMS WHERE ALTERNATES ARE AVAILABLE IN DESIGN,	DIVISION 2 - SITEWORK		ELECTRICA ELECTRICA PRIOR TO E	AL CONTRACT AL PLANS WITH BEGINNING INS	FOR SHALL H CONTRA BTALLATIC	. VERIFY CTOR AND (N.	OWNER				
	VERIFY EXISTING CONDITIONS PRIOR TO BEGINNING WORK, NOTIFY ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING.	ALL GUTTERS, SCREENS, VENTS, A BE PAINTED TO PREVENT GLARE AD. IACENT BUILDING COLORS	ND FLASHING SHALL AND TO MATCH	CONFORM DIVISION 16	TO THE BEST 6 - ELECTRIC	PRACTICE AL	S OF THE T	RADE.				
Ε	SPECIFICATIONS, DRAWINGS, AND DETAILS TAKE PRECEDENCE OVER THESE GENERAL NOTES.	CONNECT ALL DOWNSPOUTS TO S DRAINAGE PIPING.	SUB-SURFACE	ROOFING C	SHES ARE NO		D, WORK SH	łALL				
	DO NOT SCALE THE CONSTRUCTION DOCUMENTS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED GRAPHICS.	UNLESS NOTED TO BE EXPOSED OF FINISH SCHEDULE, DO NOT EXPOSE DUCTO ETC	CONSTRUCTION ON E PIPES, CONDUITS,	DIVISION 9	- FINISHES			.п				
F	THE CURRENT EDITIONS OF THE CMC, CPC, CEC, CGSBC, CALIFORNIA ENERGY REGULATIONS, AND ALL LOCAL CODES AND ORDINANCES.	LOCATION WHERE SURFACE OF W THAN 30" ABOVE ADJOINING GRA INTERMEDIATE RAILS SPACED SUG IN DIAMETER CANNOT PASS THRO	ALKWAY IS MORE DE. PROVIDE CH THAT A SPHERE 4" DUGH.	FLASH, CAU AND WHERE	ULK, AND SEAL E REQUIRED T RE	L WHERE S TO PREVEI	HOWN IN DR	AWINGS TRATION				
_	ALL WORK SHALL CONFORM TO THE 2013 CBC AND	PROVIDE A MINIMUM 42" HIGH GUA	RD RAIL AT ANY	DIVISION 7	- THERMAL A	AND MOIST	UREPROTE	CTION				
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an McAlister te: 2016.07.18 57:28 -07'00'		95959 CONTACT: TC (530) 470-2	MCOBURN 637	J	© 2016 Siteline Architecture - All rights reserved. These designs, plans and specifications are protected under federal copyright laws. Unauthorized duplication of these documents on the
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	OCCUPANC CONSTRUCTIO TYF	VY: A-3 ON PE: V-B, UN-SPRIN	NKLERED	·	itecture ect. LEED AP 5959 - f com
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	NOTES <u>OCCUPANCY (CBC 303.4):</u> ASSEMBLY GROUP "A-3" <u>PROPOSED BUILDING CONSTRUCTION TYPE:</u> V-B NON-SPRINKLERED -MAX. ALLOWED S.F. : 6,000. INCREASE NOT REQ'D -MAX. STORIES ALLOWED: 1. INCREASE NOT REQ'D	L	A CENSED ARCHI CENSEN J. PAWLOHICA No. C 25996
	OCCUPANT LOAD (CBC TABLE 1004.1.1): PROPOSED RAISED PLATFORM: 227± S.F. 227 S.F. x 15 OCC/SF = 15 OCCUPANTS AREA OF FUTURE RENICH SEATING:	K	Revisions
	AREA OF FUTURE BEINCH SEATING: 1 OCC/18" SEATING = 41 OCCUPANTS TOTAL "A-3" OCCUPANCY: 56 OCCUPANTS FIRE ALARM SYSTEM CBC 907.2.1: GROUP A OCCUPANT LOAD LESS THAN 300. FIRE ALARM NOT REQUIRED # OF EXITS REQUIRED (CBC 10 15.1): PROJECT AREA (A-3 OCCUPANCY) IS ONE STORY > 49 OCCUPANTS & < 75' OF TRAVEL DISTANCE. 2 EXITS REQUIRED		© 2016 Siteline Architecture - All rights reserved. These designs, plans and specifications are protected under federal copyright laws. Unauthorized duplication of these documents or the contents herein is in violation of federal copyright law.
	AREA OF SAFE DISPERSAL (CBC 1027) = 280 SQ.FT (56 OCC x 5 SF/OCC = 280) CBC	Ι	cture DAP
	EXIT ACCESS TRAVEL DISTANCES PER 1016.2: PROPOSED (N) TRAVEL DISTANCES < 200' (NON-SPRINKLERED)	Н	Siteline archited Andrew J. Pawlowski, Architect, LEEI Andrew J. Pawlowski, Architect, LEEI Andrew J. Pawlowski, Architect, LEEI 644 Zion Street Nevada City CA 95959 530.478.9415 - t 530.478.9416 - f www.sitelinearch.com
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	1. 1 1B-219 ASSISTE ASSISTED LISTENIN ACCORDANCE WIT COMPLY WITH SECTION 11E	NOTES D LISTENING SYSTEM NG SYSTEMS SHALL E TH SECTION 11B-219 5-706.	15: 3E PROVIDED 1 AND SHALL	2 IN		CHARTEN NO.	C 25996
	DECOMPOSED GRAN 1. THE PATH SHALL B AND SHALL BE KEF THE PATH SHALL B TO RETAIN WALKIN APPROPRIATE DR SHALL RETURN THE	ITE MAINTENANCE PL E OBSERVED ON A M PT IN GOOD CONDITIO E TREATED WITH A E IG SURFACE, SLOPED AINAGE. ALL REPAIR E EXISTING PATH TO 2	-AN NEEKLY BASIS ON AT ALL TIN BINDING AGEN O TO PROVIDE S TO PATHWA A LIKE-NEW	5, MES. IT E AYS	K	Revi	sions
	CONDITION. A MININ FREQUENTLY IF NE TO A LIKE-NEW CO a. EXISTING PATH SHA SLOPE AND CROSS DRAWINGS. b. AREAS OF WATER I REPAIRED TO ALL PATHWAY WALKING C. PATH PROFILE SHA SLOPE) TO ENCOUR d. NEW MATERIAL SHA	AUM OF TWICE ANNUA EDED, THE PATH SHA NDITION INCLUDING: SLL BE RE-GRADED T S-SLOPE PER ORIGIN OW PROPER DRAINA S SURFACE. LL BE RE-CROWNED RAGE PROPER DRAINA SLL BE ADDED TO ES	LLY, OR MOR LL BE REBUIL TO CORRECT NAL PERMITTE ON SHALL BE GE OF (MAXIMUM 29 NAGE. KISTING PATH	2Е _Τ ΞD	J	© 201 Architectureserved. plans and are prot federal c Unauthorize these doc contents violation copyright la	6 Siteline re - All rights These designs, specifications ected under opyright laws. ed duplication of cuments or the herein is in n of federal aw.
	ACCORDING TO OF e. WALKING SURFACE STABILIZER TO INC STABILIZER SHALL THE MANUFACTURE MAINTENANCE INST	RIGINAL PERMITTED : SHALL BE TREATED REASE SURFACE ST BE TECHNISOIL G3-(ER'S INSTALLATION A RUCTIONS SHALL BE	DRAWINGS. WITH ABILITY. CS, OR EQUAL ND FOLLOWED.		I 	Chitecture	Street CA 95959 3415 - t 3416 - f earch.com
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DUTE TO SAFE DERSAL AREA, E SHEET A 1.1 METAL GATE, OVIDE (N) OSER, KICK ATE, AND CESSIBLE TCH	SIGN TYPE A ST G "E.	SIGN LEGENI TMBOL OF ACCESS E DETAIL D3 AB XIT", SEE DETAIL A A		RECTIONAL	F D C	OUTDOOR SEATING AREA	TOT THE MADELYN HELLING LIBRARY 980 HELLING MAY, NEVADA CITY, APN:05-020-18
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WILDLAND URBAN INTERFACE (CBC CHAPTER 7A/CRC SECTION 327)

- . EXTERIOR WALL COVERINGS SHALL EXTEND FROM THE TOP OF THE FOUNDATION TO THE ROOF, TERMINATE AT 2 INCH NOMINAL SOLID WOOD BLOCKING BETWEEN RAFTERS OR AT ENCLOSED EAVES. BUILDING SHALL HAVE ALL UNDERFLOOR AREAS ENCLOSED TO THE GRADE WITH EXTERIOR WALLS IN ACCORDANCE WITH THIS SECTION.
- 2. THE UNDERSIDE OF APPENDAGES AND FLOOR PROJECTIONS SHALL MAINTAIN THE IGNITION RESISTANT INTEGRITY OF EXTERIOR WALLS, OR PROJECTIONS SHALL BE ENCLOSED TO GRADE.
- 3. ANY PORTION OF DECKING SURFACE, STAIR TREADS, RISERS AND LANDINGS OF DECKS, PORCHES, AND BALCONIES WITHIN 10 FEET OF THE PRIMARY STRUCTURE SHALL COMPLY WITH THE METHODS OUTLINED IN CBC 709A/CRC R327.9
- 4. VENTILATION OPENING FOR ENCLOSED ATTICS, ENCLOSED EAVE SOFFIT SPACES, ENCLOSED RAFTER SPACES FORMED WHERE CEILINGS ARE APPLIED DIRECTLY TO THE UNDERSIDE OF ROOF RAFTERS, AND UNDERFLOOR VENTILATION OPENING SHALL BE FULLY COVERED WITH NON-COMBUSTIBLE METAL WIRE MESH, VENTS, OTHER MATERIALS OR OTHER DEVICES THAT MEET THE FOLLOWING REQUIREMENTS: 1. THE DIMENSION OF THE OPENINGS THERIN SHALL BE A MINIMUM OF 1/16 INCH (1.6mm) AND SHALL NOT EXCEED 1/8 INCH (3.2mm).
- 2. THE MATERIALS USED SHALL BE NONCOMBUSTIBLE. EXCEPTION:
- VENTS LOCATED UNDER THE ROOF COVERING, ALONG THE RIDGE OF ROOFS, WITH THE EXPOSED SURFACE OF THE VENT COVERED BY NONCOMBUSTIBLE WIRE MESH, MAY BE OF COMBUSTIBLE MATERIALS. 3. THE MATERIALS USED SHALL BE CORROSION RESISTANT.
- 5. OPEN ROOF EAVES. THE EXPOSED ROOF DECK ON THE UNDERSIDE OF UNENCLOSED ROOF EAVES SHALL CONSIST OF ONE OF THE FOLLOWING (CRC327.7.4):
- 1. NONCOMBUSTIBLE MATERIAL. 2. IGNITION-RESISTANT MATERIAL.
- 3. ONE LAYER OF 5/8 INCH TYPE X GYPSUM SHEATHING APPLIED BEHIND AN EXTERIOR COVERING ON THE UNDERSIDE EXTERIOR OF THE ROOF DECK.
- 4. THE EXTERIOR PORTION OF A 1-HOUR FIRE RESISTIVE EXTERIOR WALL ASSEMBLY APPLIED TO THE UNDERSIDE OF THE ROOF DECK DESIGNED FOR EXTERIOR FIRE EXPOSURE INCLUDING ASSEMBLIES USING THE GYPSUM PANEL AND SHEATHING PRODUCTS LISTED IN THE GYPSUM
- ASSOCIATION FIRE RESISTANCE DESIGN MANUAL. EXCEPTIONS: THE FOLLOWING MATERIALS DO NOT REQUIRE
- PROTECTION: 1. SOLID WOOD RAFTER TAILS ON THE EXPOSED UNDERSIDE OF OPEN ROOF EAVES HAVING A MINIMUM NOMINAL DIMENSION OF 2 INCH (50.8 MM)
- 2. SOLID WOOD BLOCKING INSTALLED BETWEEN RAFTER TAILS ON THE EXPOSED UNDERSIDE OF OPEN ROOF EAVES HAVING A MINIMUM NOMINAL DIMENSION OF 2 INCH (50.8 MM).
- 3. GABLE END OVERHANGS AND ROOF ASSEMBLY PROJECTIONS BEYOND AN EXTERIOR WALL OTHER THAN AT THE LOWER END OF THE RAFTER TAILS.
- 4. FASCIA AND OTHER ARCHITECTURAL TRIM BOARDS.

1/4" = 1'-0"

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Revisions

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B B					72 MIN. SEE NOTE 2
Master 36 border w stamp v 19 Gr_Mr				A12 FIGURE 11A	AS REQUIRED BO
	15	14	13	12	11



<u>WOOD</u>

WOOD SHEATHING (STRUCTURAL): SHEATHING ON ROOF SURFACES SHALL BE PLYWOOD ONLY. SHEATHING ON FLOOR AND WALLS SHALL BE PLYWOOD OR ORIENTED STRAND BOARD (OSB). PLYWOOD SHEATHING SHALL BE 5-PLY MINIMUM WHERE INDICATED AS 3/4" OR THICKER. WOOD SHEATHING SHALL BE "STRUCTURAL I" CONFORMING TO PS1-95 AND/OR PS2-92. ALL PANELS SHALL BEAR THE STAMP OF AN APPROVED GRADING AGENCY

<u>GLUE-LAMINATED MEMBERS:</u> CONFORM TO ANSI/AITC A190.1. MEMBERS SHALL BE 24F-V4 DF/DF FOR SIMPLE SPANS AND 24F-V8 DF/DF FOR CANTILEVERED SPANS WITH E=1.8x10^6 PSI AND EWS3 DF FOR COLUMNS, ALL WITH EXTERIOR GLUE. ARCHITECTURAL APPEARANCE GRADE WHERE EXPOSED TO VIEW; INDUSTRIAL APPEARANCE WHERE NOT EXPOSED TO VIEW. ALL MEMBERS TO HAVE AITC OR APA-EWS STAMP.

FRAMING LUMBER: STANDARDS: EACH PIECE SHALL BEAR THE GRADE TRADEMARK OF AN AGENCY ACCREDITED BY THE AMERICAN LUMBER STANDARD COMMITTEE (ALSC) TO GRADE UNDER ALSC CERTIFIED GRADING RULES.

SPECIES AND GRADE (BASE DESIGN VALUE)

1) 6x BEAMS AND HEADERS: "DOUG FIR-LARCH" NO. 1 (Fb = 1350 PSI, Fv = 170 PSI)

2) 2x to 4x JOISTS, PURLINS AND HEADERS: "DOUG FIR-LARCH" NO. 2 (Fb = 900 PSI, Fv= 180

3) INTERIOR NON-BEARING STUD WALLS: "DOUG FIR-LARCH" CONSTRUCTION GRADE (Fb = 950 PSI, Fc = 1800 PSI)

4) 2x & 3x T&G DECKING: "DOUG FIR-LARCH" SELECT (Fb = 1750 PSI, Fc = 1150 PSI)

5) THE MINIMUM GRADE OF ALL OTHER STRUCTURAL FRAMING: "DOUG FIR-LARCH" CONSTRUCTION GRADE (Fb = 950 PSI, Fc = 1800 PSI)

6) UTILITY AND STANDARD GRADES NOT PERMITTED.

FRAMING LUMBER (MANUFACTURED): SHALL BE MANUFACTURED BY TRUS JOIST CORPORATION, OR PRE-APPROVED EQUAL IN ACCORDANCE WITH APPROVED SHOP AND INSTALLATION DRAWINGS.

MICROLAM LVL: Fb = 2600 PSI E = 2000 KSI PARALLAM PSL: Fb = 2900 PSI E = 2200 KSI **

TIMBERSTRAND LSL: Fb = 2325 PSI E = 1550 KSI

RIM MATERIAL: TIMBERSTRAND LSL **FOR 5.25 x 7.25 OK TO USE LP SOLID START LVL IN LIEU OF PSL

MEMBERS HAVE BEEN DESIGNED TO SERVICEABILITY AND OTHER PERFORMANCE BASED REQUIREMENTS, WHICH MAY EXCEED MINIMUM DESIGN LOADS AND CODE REQUIREMENTS. SUBSTITUTIONS MUST MEET OR EXCEED MOMENT, SHEAR, AND STIFFNESS OF THOSE MEMBERS SPECIFIED AT THE SAME DEPTH AND SPACING.

PRESERVATIVE TREATED WOOD REQUIREMENTS:

TR	REATMENTS OTHER THAN THOSE LISTED BELOW ARE NOT PERMITTED.					
		APPLICATION	SPECIFIED MATERIAL	PRESERVATIVE TREATMENT (1)	CONNECTORS & FASTENERS (2)(3)	
EXPOSURE ET DRY	RY	FOUNDATION SILL PLATES, TOP PLATES & LEDGERS	2x, 4x, 6x, OR GLU-LAM (FIR) ,	CCA, SBX	GALV (G60)	
	Δ	ON CONCRETE OR MASONRY WALLS (4)	LSL	ACQ, CBA, CA	GALV (G185)	
		FRAMING, DECKING, POSTS	2x, & 4x (FIR)	CCA	GALV (G90)	
				ACQ, CBA, CA	GALV (G185)	
	ΈT	& LEDGERS	2x, & 4x (CEDAR)	NONE	GALV (G90)	
3		BEAMS & COLUMNS	6x OR GLU-LAM (FIR)	CCA	GALV (G90)	
				ACQ, CBA, CA	GALV (G185)	
			6x OR GLU-LAM (CEDAR)	NONE	GALV (G90)	

1. CCA: CHROMATED COPPER ARSENATE SBX: DOT SODIUM BORATE ACQ: ALKALINE COPPER QUAT

CBA & CA: COPPER AZOLE

2. CONNECTORS: JOIST HANGERS, STRAPS, FRAMING CONNECTORS, COLUMN CAP AND BASES. ETC FASTENERS: MACHINE BOLTS, ANCHOR BOLTS AND LAG SCREWS WITH ASSOCIATED PLATE

WASHERS AND NUTS. NAILS, SPIKES, WOOD SCREWS, ETC.

3. G60, G90 & G185 PER ASTM A653 BATCH/POST HOT-DIP GALVANIZED PER ASTM A123 FOR CONNECTORS AND ASTM A153 FOR FASTENERS MECHANICALLY GALVANIZED FASTENERS PER ASTM B695, CLASS 55 OR GREATER.

4. AT CONTRACTORS OPTION, LEDGERS AND TOP PLATES A MINIMUM OF 8 FEET ABOVE GRADE ON CONCRETE OR MASONRY WALLS MAY BE UN-TREATED IF COMPLETELY SEPARATED FROM THE WALL BY A SELF ADHERING ICE & WATER SHIELD BARRIER (40 MIL MINIMUM).

GENERAL REQUIREMENTS: PROVIDE MINIMUM NAILING PER 2013 CBC TABLE 2304.9.1 OR MORE. AS OTHERWISE SHOWN. STAGGER ALL NAILING TO PREVENT SPLITTING OF WOOD MEMBERS. PRESSURE TREAT ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY WITH THE EXCEPTION OF INTERIOR CONCRETE TOPPING ON WOOD FLOOR SYSTEMS. HOLES AND CUTS IN 3X OR 4X PLATES SHOULD BE TREATED WITH A 20% SOLUTION OF COPPER NAPHTHENATE, BOLT HOLES IN WOOD MEMBERS SHALL BE A MINIMUM OF 1/32" TO A MAXIMUM OF 1/16" LARGER THAN THE BOLT DIAMETER. PROVIDE CUT WASHERS WHERE BOLT HEADS, NUTS, AND LAG SCREW HEADS BEAR ON WOOD. PROVIDE A MINIMUM 3X3X1/4 PLATE WASHER ON ALL ANCHOR BOLTS WHICH CONNECT MUD SILLS TO FOUNDATION. DO NOT NOTCH OR DRILL STRUCTURAL MEMBERS, EXCEPT AS ALLOWED BY IBC SECTIONS 2308.9.10, 2308.9.11, AND 2308.10.4.2 OR AS RESTRICTED BY PLANS OR DETAILS, OR AS APPROVED PRIOR TO INSTALLATION. REFER TO <u>PRESERVATIVE TREATED WOOD</u> <u>REQUIREMENTS</u> IN THESE GENERAL NOTES FOR GALVANIZING REQUIREMENTS FOR CONNECTORS AND FASTENERS.

FRAMING CONNECTORS: SHALL HAVE ICC APPROVAL AND BE MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, SAN LEANDRO, CA. OR PRE-APPROVED EQUAL, PROVIDE MAXIMUM SIZE AND QUANTITY OF NAILS OR BOLTS PER MANUFACTURER, EXCEPT AS NOTED OTHERWISE. PROVIDE LEAD HOLES AS REQUIRED TO PREVENT SPLITTING OF WOOD MEMBERS. REFER TO <u>PRESERVATIVE TREATED WOOD REQUIREMENTS</u> IN THESE GENERAL NOTES FOR GALVANIZING REQUIREMENTS FOR CONNECTORS AND FASTENERS.

CARPENTRY

NAILS: CONNECTION DESIGNS ARE BASED ON "COMMON WIRE" NAILS WITH THE FOLLOWING PROPERTIES:

PENN	/WEIGHT DI,	AMETER (INCHES)	LENGTH (INCHES)
٤	6d	0.131	2-1/2
١٥	0d	0.148	3
١٤	6d	0.162	3-1/2
20	0d	0.192	4

FOUNDATION DESIGN CRITERIA

DESIGN SOIL BEARING CAPACITY 1500 PSF ASSUMED FOR DEAD PLUS LONG TERM LIVE LOADS.

ALL FOUNDATION EXCAVATION TO BE CARRIED TO UNDISTURBED NATIVE MATERIAL OR PLACED IN AN APPROVED ENGINEERING FILL.

OVER-EXCAVATION OF SOILS TO BE BACKFILLED WITH CONCRETE.

UNUSUAL SITE CONDITIONS (LOOSE FILL, SUB-SURFACE WATER, ORGANICS, ETC.) TO BE REPORTED TO ENGINEER. DO NOT PROCEED WITH THE WORK UNTIL ISSUE IS RESOLVED.

BACKFILL AROUND FOOTINGS, BEHIND WALLS, & UNDER SLABS TO BE COMPACTED TO 95% RELATIVE DENSITY IN ACCORDANCE WITH ASTM D 1557 UNO IN THE SPECIFICATIONS OF A GEOTECHNICAL REPORT.

DO NOT BACKFILL AGAINST WALLS UNTIL CONCRETE OR MASONRY HAS REACHED IT'S FULL 28 DAY DESIGN STRENGTH, SUPPORTING STRUCTURE (FLOORS) ARE CONSTRUCTED, AND FOR 7 DAYS MIN.

THE BOTTOM OF ALL EXTERIOR BEARING WALL FOOTINGS SHALL BE A MIN. OF 24" BELOW FINISH GRADE.

FOUNDATION DESIGN CRITERIA:

SOIL BEARING PRESSURE: 1500 PSF

CONCRETE

CAST-IN-PLACE CONCRETE

CODES, SPECIFICATIONS, AND STANDARDS; CONCRETE WORK SHALL CONFORM TO THE FOLLOWING CODES, SPECIFICATIONS, AND STANDARDS, AND THE STANDARDS AND SPECIFICATIONS THEY REFERENCE. THE CONTRACTOR SHALL OBTAIN AND HAVE READILY AVAILABLE ON SITE THE LATEST VERSION OF THE "ACI MANUAL OF CONCRETE PRACTICE":

- 1. ACI-116 'CEMENT AND CONCRETE TERMINOLOGY'. 2. ACI-301 'STANDARD SPECIFICATIONS FOR STRUCTURAL CONCRETE' 3. ACI-302 'GUIDE TO CONCRETE FLOOR AND SLAB CONSTRUCTION'.
- 4. ACI-304 'GUIDE FOR MEASURING, MIXING, TRANSPORTING, AND PLACING CONCRETE' 5. ACI-305 'HOT WEATHER CONCRETING'.
- 6. ACI-306 'COLD WEATHER CONCRETING'
- 7. ACI-308 'STANDARD SPECIFICATION FOR CURING CONCRETE'. 8. ACI-309 'STANDARD PRACTICE FOR CONSOLIDATION OF CONCRETE'.
- 9. ACI-311 'GUIDE FOR CONCRETE INSPECTION'. 10. ACI-315 'DETAILS AND DETAILING OF CONCRETE REINFORCEMENT'.
- 11. ACI-318 'BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE'. 12. ACI-506R 'GUIDE FOR SHOTCRETING'.
- ASTM 1. ASTM C33 'STANDARD SPECIFICATION FOR CONCRETE AGGREGATES'.
- 2. ASTM C94 'STANDARD SPECIFICATION FOR READY-MIX CONCRETE'. 3. ASTM C150 'STANDARD SPECIFICATION FOR PORTLAND CEMENT'.
- 4. ASTM C260 'STANDARD SPECIFICATION FOR AIR-ENTRAINED ADMIXTURES FOR CONCRETE 5. ASTM C309 'STANDARD SPECIFICATION FOR LIQUID MEMBRANE-FORMING COMPOUNDS
- FOR CURING CONCRETE' 6. ASTM C494 'STANDARD SPECIFICATION FOR CHEMICAL ADMIXTURES FOR CONCRETE'.
- 7. ASTM C595 'STANDARD SPECIFICATION FOR BLENDED HYDRAULIC CEMENTS'. 8. ASTM C618 'STANDARD SPECIFICATION FOR ... FLY-ASH ...', MAXIMUM LOSS ON IGNITION SHALL BE 1.0%. 9. ASTM C1017 'STANDARD SPECIFICATION FOR CHEMICAL ADMIXTURES FOR USE IN
- PRODUCING FLOWING CONCRETE'. 10. ASTM C-1116 'SYNTHETIC FIBER REINFORCED CONCRETE AND SHOTCRETE'.
- 11. ASTM C-1218 'STANDARD TEST METHOD FOR WATER-SOLUBLE CHLORIDE IN MORTAR AND CONCRETE'. MIX DESIGNS: THE CONTRACTOR SHALL DESIGN CONCRETE MIXES THAT, MEET OR EXCEED THE REQUIREMENTS OF THE CONCRETE MIX TABLE. THE MIX DESIGNS SHALL FACILITATE

ANTICIPATED PLACEMENT METHODS, WEATHER, REBAR CONGESTION, ARCHITECTURAL FINISHES, CONSTRUCTION SEQUENCING, STRUCTURAL DETAILS, AND ALL OTHER FACTORS REQUIRED TO PROVIDE A STRUCTURALLY SOUND, AESTHETICALLY ACCEPTABLE FINISHED PRODUCT. WATER REDUCING ADMIXTURES WILL LIKELY BE REQUIRED TO MEET THESE REQUIREMENTS. CONCRETE MIX DESIGNS SHALL CLEARLY INDICATE THE TARGET SLUMP. SLUMP TOLERANCE SHALL BE \pm 1-1/2 INCHES.

AGGREGATE: COARSE AND FINE AGGREGATE SHALL CONFORM TO ASTM C-33

CEMENT: CEMENT SHALL CONFORM TO ASTM-150, TYPE II PORTLAND CEMENT, UNLESS NOTED OTHERWISE.

ALTERNATE MIX DESIGNS: VARIATIONS TO THE MIX DESIGN PROPORTIONS MAY BE ACCEPTED IF SUBSTANTIATED IN ACCORDANCE WITH ACI-318, CHAPTER 5. PROVIDE SUBMITTALS A MINIMUM OF TWO WEEKS PRIOR TO BID FOR DETERMINATION OF ACCEPTABILITY.

ADMIXTURES: ADMIXTURES SHALL BE BY MASTER BUILDERS, W.R. GRACE, OR PRE-APPROVED EQUAL. ALL MANUFACTURERS RECOMMENDATIONS SHALL BE FOLLOWED.

WATER: SHALL BE CLEAN AND POTABLE.

MAXIMUM CHLORIDE CONTENT: THE MAXIMUM WATER SOLUBLE CHLORIDE CONTENT SHALL NOT EXCEED 0.15% BY WEIGHT OF CEMENTITIOUS MATERIAL UNLESS NOTED OTHERWISE.

<u>CONCRETE EXPOSED TO WEATHER:</u> PROVIDE 5.0% TOTAL AIR CONTENT FOR ALL CONCRETE EXPOSED TO WEATHER. TOTAL AIR CONTENT IS THE SUM OF ENTRAINED AIR PROVIDED BY ADMIXTURES AND NATURALLY OCCURRING ENTRAPPED AIR. AIR CONTENT SHALL BE TESTED PRIOR TO BEING PLACED IN THE PUMP HOPPER OR BUCKET; IT IS NOT REQUIRED TO BE TESTED AT THE DISCHARGE END OF THE PUMP HOSE. THE TOLERANCE ON ENTRAPPED AIR SHALL BE +2.0% AND -1.5% WITH THE AVERAGE OF ALL TESTS NOT LESS THAN THE SPECIFIED AMOUNT.

ITEM	SPEC'D fc (PSI) (DESIGN BASED ON 2500 PSI)	MAX. W/C RATIO	MIN. (2) FLYASH (PCY)	MAX. AGG. SIZE (IN)	NOTES	MIN. CEMENTITOUS (1) MATERIAL (SACKS/YARD)
BASEMENT, RETAINING, AND STEM WALLS	2500 at 28 DAYS	0.45	100	3/4		5-1/2
FOUNDATIONS	2500 at 28 DAYS	0.50		3/4		5
SLAB ON GRADE	3000 at 28 DAYS	0.45	100	3/4	3	5-1/2
COLUMNS AND SHEAR WALLS U.N.O.	4000 at 28 DAYS	0.50		3/8		5-1/2
ELEVATED BEAMS & SLABS	4000 at 28 DAYS	0.45	100	3/4		5-1/2
ALL OTHER CONCRETE	4000 at 28 DAYS	0.50		3/4		5-1/2

CONCRETE MIX NOTES:

1. TOTAL CEMENTITIOUS MATERIAL IS THE SUM OF ALL CEMENT PLUS FLYASH. 2. AT THE CONTRACTORS OPTION FLYASH MAY BE SUBSTITUTED FOR CEMENT BUT SHALL NOT

EXCEED 25% BY WEIGHT OF TOTAL CEMENTITIOUS MATERIAL.

3. FIBROUS CONCRETE REINFORCEMENT SHALL BE "FIBERMESH" MANUFACTURED BY SI CONCRETE SYSTEMS OR PRE-APPROVED EQUAL AND SHALL CONFORM TO ASTM C-1116 TYPE III 4.1.3, PERFORMANCE LEVEL 1, AND SHALL BE 100 PERCENT VIRGIN POLYPROPYLENE, FIBRILLATED FIBERS CONTAINING NO REPROCESSED OLEFIN MATERIALS AND SPECIFICALLY MANUFACTURED FOR USE AS CONCRETE SECONDARY REINFORCEMENT. DOSAGE SHALL FOLLOW MANUFACTURER'S RECOMMENDATION BUT NOT LESS THAN 1.5 LB/CU. YD.

CONCRETE PLACEMENT

PLACE CONCRETE FOLLOWING ALL APPLICABLE ACI RECOMMENDATIONS. CONCRETE SHALL BE PROPERLY CONSOLIDATED PER ACI 309 USING INTERIOR MECHANICAL VIBRATORS, DO NOT OVER-VIBRATE. CONCRETE SHALL BE POURED MONOLITHICALLY BETWEEN CONSTRUCTION OR EXPANSION JOINTS. IF CONCRETE IS PLACED BY THE PUMP METHOD. HORSES SHALL BE PROVIDED TO SUPPORT THE HOSE. WEATHER FORECASTS SHALL BE MONITORED AND ACI RECOMMENDATIONS FOR HOT AND COLD WEATHER CONCRETING SHALL BE FOLLOWED AS REQUIRED. CONCRETE SHALL NOT FREE FALL MORE THAN 5 FEET DURING PLACEMENT WITHOUT WRITTEN APPROVAL OF ENGINEER.

FORMWORK STRIPPING

1) COLUMNS & WALLS - COLUMNS AND WALLS NOT SUPPORTING FRAMING WEIGHT MAY BE STRIPPED AS SOON AS FORMS CAN BE REMOVED WITHOUT DAMAGING THE CONCRETE AND THE CONCRETE HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 500 PSI.

2) BEAMS & SLABS - BEAMS AND SLABS MAY BE STRIPPED AND BECOME SELF SUPPORTING AS SOON AS THEIR COMPRESSIVE STRENGTH REACHES 75% OF THE SPECIFIED DESIGN STRENGTH. RESHORING SHALL BE PROVIDED FOR ALL CONSTRUCTION LOADS THEREAFTER PER THE GENERAL CONTRACTOR

COLD WEATHER PLACEMENT

THE FOLLOWING SHOP DRAWINGS/SUBMITTALS SHALL BE PROVIDED FOR REVIEW 1) COLD WEATHER IS DEFINED BY ACI 306 AS "A PERIOD WHEN FOR MORE THAN 3 SUCCESSIVE DAYS THE MEAN DAILY TEMPERATURE DROPS BELOW 40° F." AND APPROVAL BY THE STRUCTURAL ENGINEER PRIOR TO FABRICATION OR DELIVERY. 2) NO CONCRETE SHALL BE PLACED ON FROZEN OR PARTIALLY FROZEN GROUND. THAWING AND SUBSEQUENT COMPACTING THE GROUND WITH HEATERS IS PERMISSIBLE. 3) CONCRETE MIX TEMPERATURES SHALL BE AS SHOWN BELOW. HEATING OF WATER AND/OR AGGREGATES MAY BE REQUIRED TO ATTAIN THESE TEMPERATURES. 4) THE CONCRETE MAY REQUIRE PROTECTION FOR 4-7 DAYS AFTER PLACING. IF TEMPERATURES REMAIN BELOW FREEZING, INSULATING BLANKET COVERAGE IS REQUIRED. IF TEMPERATURES ARE SLIGHTLY BELOW FREEZING (30° F MIN.) AT NIGHT AND ABOVE FREEZING DURING THE DAY, KRAFT PAPER WITH COMPLETE COVERAGE MAY BE USED IN LIEU OF INSULATED BLANKETS. 5) NO ADDITIVES CONTAINING CHLORIDES SHALL BE USED. USE "POZZUTEC 20" BY MASTER BUILDERS OR "POLARSET" BY W.R. GRACE OR PRE-APPROVED EQUAL.

CONDITION OF PLACEMENT AND CURING WALLS & SLABS MIN_TEMP_ERESH CONCRETE AS ABOVE 30° F. 0 MIXED FOR WEATHER INDICATED, TO 30° F. BELOW 0° F. DEGREES F

MIN. TEMP. FRESH CONCRETE AS PLACED AND MAINTAINED, DEGREES F.

65

MAX. ALLOWABLE GRADUAL DROP IN TEMP. THROUGHOUT FIRST 24 HOURS AFTER END OF PROTECTION, DEGREES F.

CONTROL AND CONSTRUCTION JOINTS

CONSTRUCTION JOINTS SHALL MEET THE REQUIREMENTS OF ACI 301 SECTIONS 2.2.2.5 AND 5.3.2.6. KEYWAYS PER SECTION 2.2.2.5B ARE NOT REQUIRED UNLESS DETAILED ON THE STRUCTURAL DRAWINGS. SPECIAL BONDING METHODS PER SECTION 5.3.2.6 SHALL BE SATISFIED BY ITEM 6 BELOW UNLESS OTHERWISE DETAILED ON THE STRUCTURAL DRAWINGS. WHERE CONSTRUCTION JOINTS ARE NOT SHOWN ON PLAN OR ADDITIONAL CONSTRUCTION JOINTS ARE REQUIRED SUBMIT PROPOSED JOINTING FOR ENGINEERS APPROVAL. PROVIDE CONSTRUCTION JOINTS AS INDICATED BELOW UNLESS NOTED OTHERWISE ON THE PLANS:

1. SLABS ON GRADE: PROVIDE CONSTRUCTION AND/OR CONTROL JOINTS AT 13 FEET O.C. FOR SLABS ON GRADE. PERPENDICULAR SPACING RATIO SHALL NOT EXCEED 1.5.

2. WALLS AND COLUMNS: COORDINATE CONSTRUCTION JOINTS WITH ARCHITECTURAL REVEALS.

3. BONDING AGENT: WHERE BONDING AGENT IS SPECIFICALLY CALLED OUT ON THE STRUCTURAL DRAWINGS USE "WELD CRETE" BY LARSON PRODUCTS CORPORATION OR PRE-APPROVED EQUAL. FOLLOW ALL MANUFACTURERS RECOMMENDATIONS. EMBEDDED ITEMS

EMBEDDED CONDUIT IS NOT PERMITTED IN SLAB EXCEPT WHERE SPECIFICALLY SHOWN. IT SHALL BE PLACED AND REINFORCED PER THE TYPICAL CONCRETE DETAILS. NO ALUMINUM ITEMS SHALL BE EMBEDDED IN ANY CONCRETE. ALL EMBED PLATES SHALL BE SECURELY FASTENED IN PLACE.

CONCRETE CURING AND SEALING

CURING PROCEDURES SHALL COMMENCE IMMEDIATELY AFTER FINISHING CONCRETE TO MAINTAIN CONCRETE IN A MOIST CONDITION. VERIFY CURING AND/OR SEALING PRODUCTS ARE COMPATIBLE WITH FLOOR COVERINGS SHOWN ON THE ARCHITECTURAL DRAWINGS. FOLLOW ALL MANUFACTURERS RECOMMENDATIONS.

ITEM	CURING METHOD
ALL SLABS ON GRADE	2,3, & 5
BASEMENT WALLS	4
ELEVATED SLABS NOT EXPOSED TO EARTH OR WEATHER	2,3, & 5
ALL OTHER CONCRETE	NONE

CONCRETE CURING NOTES:

1. PROVIDE PRE-APPROVED MOIST CURE METHOD FOR A MINIMUM OF 7 DAYS.

2. WHEN THE ESTIMATED EVAPORATION RATE IS GREATER THAN 0.2 PSF/HOUR PROVIDE A SPRAY APPLIED EVAPORATION RETARDER IMMEDIATELY AFTER CONCRETE PLACEMENT. THE EVAPORATION RATE MAY BE CALCULATED PER ACI 305 FIGURE 2.1.5.

3. APPLY A LIQUID MEMBRANE FORMING CURING COMPOUND PER MANUFACTURERS RECOMMENDATIONS TO ALL EXPOSED SURFACES IMMEDIATELY AFTER FINAL FINISHING.

4. APPLY A LIQUID MEMBRANE FORMING CURING COMPOUND PER MANUFACTURERS RECOMMENDATIONS TO ALL FORMED SURFACES IMMEDIATELY AFTER FORM REMOVAL. NOT REQUIRED IF FORMWORK REMAINS IN PLACE FOR MORE THAN 7 DAYS.

5. APPLY A SILANE SEALER WITH A MINIMUM SOLIDS CONTENT OF 40% PER MANUFACTURERS RECOMMENDATIONS.

<u>GROUT</u>

NON-SHRINK GROUT: MASTER BUILDERS "MASTERFLOW 555" OR PRE-APPROVED EQUAL. GROUT SHALL CONFORM TO CRD-C621 AND ASTM C1107 GRADE B WHEN TESTED AT A FLUID CONSISTENCY PER CRD- C611-85 FOR 30 MINUTES. GROUT MAY BE PLACED FROM A 25 SECOND FLOW TO A STIFF PACKING CONSISTENCY. FILL OR PACK ENTIRE SPACE UNDER PLATES OR FLOW TO A STIFF PACKING CONSISTENCY. FILL OR PACK ENTIRE SPACE UNDER PLATES OR SHAPES. NO GROUTING SHALL BE DONE BELOW 40° F.

EPOXY: MASTER BUILDERS "PASTE LPL", OR HILTI "HY-150", OR SIMPSON "S.E.T.", OR COVERT OPERATIONS "CIA-GEL 7000", OR PRE-APPROVED EQUAL. TWO PART LOW SAG EPOXY. GROUT MAY CONTAIN QUARTZ SAND AGGREGATE AS PROPORTIONED BY THE MANUFACTURER. USE EQUIPMENT WHICH WILL ACCURATELY MIX AND DISPENSE THE COMPONENTS. HOLE SHALL BE DRY AND CLEANED WITH WIRE BRUSH AND PRESSURIZED AIR JUST PRIOR TO INSTALLING GROUT. THE REBAR OR ROD SHALL BE CLEAN AND INSTALLED SLOWLY, AND SHALL BE ROTATED AS IT IS PUSHED INTO THE HOLE. COLD WEATHER GROUTING SHALL BE DONE WITH PROPER GROUT FORMULA. FIRST STAGES OF THE GROUTING OPERATION SHALL BE INSPECTED.

REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60 (GRADE A706 FOR WELDED BARS UNLESS OTHERWISE NOTED, GRADE 40 FOR BEND OUT BARS). DETAIL, FABRICATE AND PLACE PER ACI 315 AND ACI 318. HORIZONTAL BEAM BARS, VERTICAL COLUMN BARS AND VERTICAL SHEAR WALL BARS SHALL MEET THE REQUIREMENTS OF ACI SECTION 21.2.5. REINFORCEMENT SHALL COMPLY WITH ASTM A706 FOR LOW ALLOY STEEL. BILLET STEEL A615 GRADE 60 REINFORCEMENT MAY BE USED IF THE ACTUAL YIELD STRENGTH BASED ON MILL TESTS DOES NOT EXCEED THE SPECIFIED STRENGTH BY MORE THAN 18,000 PSI AND THE RATIO OF THE ACTUAL ULTIMATE TENSILE STRESS TO THE ACTUAL YIELD STRENGTH IS NOT LESS THAN 1.25.

WELDED WIRE FABRIC REINFORCEMENT, SHALL CONFORM TO ASTM A-82 AND A-185, LAP ONE FULL MESH ON SIDES AND ENDS.

	REINFORCING SPLICE AND DEVELOPMENT LENGTH SCHEDULE					
	MINIMUM LAP SPLI	CE LENGTHS ("Ls")	MINIMUM DEVELOPMENT LENGTHS ("Ld")		MINIMUM EMBEDMENT	
BAR SIZE	TOP BARS(1)	OTHER BARS	TOP BARS(1)	OTHER BARS	STANDARD END HOOKS ("Ldh")	
#3	2'-0"	1'-6"	1'-6"	1'-3"	0'-7"	
#4	2'-8"	2'-0"	2'-0"	1'-7"	0'-9"	
#5	3'-4"	2-7"	2-7"	2-0"	1'-0"	
#6	4'-0"	3'-1"	3'-1"	2'-4"	1'-2"	
#7	5'-10"	4'-6"	4'-6"	3'-6"	1'-5"	

SPLICE TABLE NOTES: 1. "TOP BARS" ARE HORIZONTAL BARS WITH MORE THAN 12" DEPTH OF CONCRETE CAST BELOW THEM

REINFORCING COUPLERS: "CADWELD" OR "LENTON" BY ERICO PRODUCTS, INC., MBT BAR-LOCK, NO-SLIP" BY FOX-HOWLETT INDUSTRIES, INC., OR PRE-APPROVED EQUAL. COUPLER MUST DEVELOP THE TENSILE STRENGTH OF THE BAR UNO.

<u>REINFORCING STEEL COVER</u> PROVIDE CONCRETE COVER OVER REINFORCEMENT AS FOLLOWS, UNLESS NOTED OTHERWISE. CONCRETE CAST AGAINST EARTH ------ 3"

EXPOSED TO WEATHER OR EARTH ------ 2" TIES ON BEAMS AND COLUMNS ------ 1-1/2"

WALLS AND SLABS NOT EXPOSED TO WEATHER---- 3/4"

SHOP DRAWINGS

STRUCTURAL ENGR.	BLDG. DEPT.

1.	CONCRETE MIX DESIGNS	Λ
2.	REINFORCING STEEL SHOP DRAWINGS	Х
3.	STRUCTURAL STEEL	Х
4.	MISCELLANEOUS STEEL	Х
5.	WOOD FRAMING	Х

GENERAL NOTES

ANY DISCREPANCIES FOUND AMONG THE DRAWINGS, THESE GENERAL NOTES AND THE SITE CONDITIONS SHALL BE REPORTED TO THE ENGINEER, WHO SHALL CORRECT SUCH DISCREPANCY IN WRITING. ANY WORK DONE BY THE GENERAL CONTRACTOR AFTER DISCOVERY OF SUCH DISCREPANCY SHALL BE DONE AT THE GENERAL CONTRACTOR'S RISK. THE GENERAL CONTRACTOR SHALL VERIFY AND COORDINATE DIMENSIONS AMONG ALL DRAWINGS PRIOR TO PROCEEDING WITH ANY WORK OR FABRICATION. THE STRUCTURE HAS BEEN DESIGNED TO RESIST CODE REQUIRED VERTICAL AND LATERAL FORCES AFTER THE CONSTRUCTION OF ALL STRUCTURAL ELEMENTS HAS BEEN COMPLETED. STABILITY OF THE STRUCTURE PRIOR TO COMPLETION IS THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THIS RESPONSIBILITY INCLUDES BUT IS NOT LIMITED TO JOB SITE SAFETY; ERECTION MEANS, METHODS, AND SEQUENCES; TEMPORARY SHORING, FORMWORK, AND BRACING; USE OF EQUIPMENT AND CONSTRUCTION PROCEDURES. PROVIDE ADEQUATE RESISTANCE TO LOADS ON THE STRUCTURES DURING CONSTRUCTION PER SEI/ASCE STANDARD NO. 37-02 "DESIGN LOADS ON STRUCTURES DURING CONSTRUCTION." CONSTRUCTION OBSERVATION BY THE STRUCTURAL ENGINEER IS FOR GENERAL CONFORMANCE WITH DESIGN ASPECTS ONLY AND IS NOT INTENDED IN ANY WAY TO REVIEW THE CONTRACTOR'S CONSTRUCTION PROCEDURES.

ALL METHODS, MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE 2013 CALIFORNIA BUILDING CODE (CBC) AS AMENDED AND ADOPTED BY THE LOCAL BUILDING OFFICIAL OR APPLICABLE JURISDICTION.

CONTRACT DRAWINGS / DIMENSIONS

ARCHITECTURAL DRAWINGS ARE THE PRIME CONTRACT DRAWINGS. CONSULTANT DRAWINGS BY OTHER DISCIPLINES ARE SUPPLEMENTARY TO ARCHITECTURAL DRAWINGS. REPORT DIMENSIONAL OMISSIONS OR DISCREPANCIES BETWEEN ARCHITECTURAL DRAWINGS AND STRUCTURAL. MECHANICAL. ELECTRICAL OR CIVIL DRAWINGS TO ARCHITECT PRIOR TO PROCEEDING WITH WORK.

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS. PRIMARY STRUCTURAL ELEMENTS ARE DIMENSIONED ON STRUCTURAL PLANS AND DETAILS AND OVERALL LAYOUT OF STRUCTURAL PORTION OF WORK. SOME SECONDARY ELEMENTS ARE NOT DIMENSIONED SUCH AS, WALL CONFIGURATIONS INCLUDING EXACT DOOR AND WINDOW LOCATIONS, ALCOVES, SLAB SLOPES AND DEPRESSIONS, CURBS, ETC. VERTICAL DIMENSIONAL CONTROL IS DEFINED BY ARCHITECTURAL WALL SECTIONS AND BUILDING SECTIONS. STRUCTURAL DETAILS SHOW DIMENSIONAL RELATIONSHIPS TO CONTROL DIMENSIONS DEFINED BY ARCHITECTURAL DRAWINGS. DETAILING AND SHOP DRAWING PRODUCTION FOR STRUCTURAL ELEMENTS WILL REQUIRE DIMENSIONAL INFORMATION CONTAINED IN BOTH ARCHITECTURAL AND STRUCTURAL DRAWINGS.

DESIGN CRITERIA

RISK CATEGORY: 1 - TABLE 1604.5

VERTICAL LOADS

AREA	DESIGN DEAD LOAD	LIVE LOAD
ROOF	15 PSF	20 PSF
FLOOR	12 PSF	100 PSF

SNOW: FOR SITES OVER 25 PSF.

Pg = 51 PSF (GROUND SNOW LOAD) Pf = .7PgCeCt I = 43 PSF (FLAT ROOF SNOW LOAD) Ps = CsPf = 43 PSF (SLOPED ROOF SNOW LOAD) Is = 1.0, Ce = 1.0, Ct = 1.2, Cs = 1.0

LATERAL FORCES

EXPOSURE CATEGORY = C

- RISK CATEGORY = II BASIC WIND SPEED, V = 110 MPH
- Pnet = .00256V^2KzCnetKzt
- Kz = .85 CN = 1.9
- Pnet = 16 PSF

V = CsW

- Cs = Sds/(R/I) ; 0.044 Sds*le < Cs < Sd1/((R/Ie)*T)
- SEISMIC IMPORTANCE FACTOR, le = 1
- SPECTRAL RESPONSE ACCELERATION Ss = 0.626, S1 = 0.243 SITE CLASS PER TABLE 20-3.1 OF ASCE 7-10 = D
- SPECTRAL RESPONSE COEFFICIENTS: Sds = 0.542, Sd1 = 0.310
- SEISMIC DESIGN CATEGORY = D
- ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE ANALYSIS RESPONSE MODIFICATION FACTOR PER TABLE 12.2-1 (ASCE 7-10) R = 1.5
- Cs = 0.36 DESIGN BASE SHEAR, V = 3 KIPS (ULTIMATE)

STRUCTURAL OBSERVATION

ENGINEER OF RECORD SHALL PERIODICALLY OBSERVE CONSTRUCTION AT THE FOLLOWING SIGNIFICANT STAGES OF CONSTRUCTION. THESE OBSERVATIONS ARE IN ADDITION TO REQUIRED SPECIAL INSPECTION.

- TO BE MADE AFTER EXCAVATIONS FOR FOOTINGS ARE COMPLETE AND ANY REQUIRED REINFORCING STEEL IS IN PLACE. FOR FORMED CONCRETE FOUNDATIONS, ALL FORMWORK SHALL BE IN PLACE. ALL CAST-IN ANCHORS SHALL BE INSTALLED TO THE FORMWORK. ALL MATERIALS FOR THE FOUNDATION SHALL BE ON THE JOB SITE. EXCEPT CONCRETE WHERE IT IS READY MIXED IN ACCORDANCE WITH THE CODE.
- OBSERVATION OF THE VERTICAL (STRUCTURAL FRAMING AND SHEATHING) AND LATERAL (WIND AND SEISMIC) FORCE RESISTING SYSTEMS.
- INTERMEDIATE OBSERVATION IS REQUIRED PRIOR TO CONCEALING ANY WORK REQUIRING OBSERVATION.
- FINAL OBSERVATION TO BE MADE AFTER THE ROOF, ALL STRUCTURAL FRAMING, SHEAR WALLS, LATERAL BRACING, TIES, COLLECTORS, DRAGS, AND SHEAR DIAPHRAGMS ARE CONSTRUCTED.

NOTIFY THE ENGINEER AT LEAST THREE BUSINESS DAYS PRIOR TO THE DATE UPON WHICH OBSERVATION IS REQUIRED.

AT CONCLUSION OF WORK, ENGINEER SHALL PREPARE A STATEMENT DESCRIBING SITE VISITS. REPORTING WORK OBSERVED, IDENTIFYING KNOWN REMAINING DEFICIENCIES AND STATING APPARENT CONFORMANCE TO INTENT OF PLANS.

Sheet Number	Sheet Name
S0	SPECIFICATIONS
S1	PLANS AND ISOMETRIC
S2	DETAILS

FOOTINGS

CONCENTRATED LOADS
1000#

<u>STRU</u>	CTURAL ABBREVIATIONS
B	- ANCHOR BOLT
BV	- ABOVE
	- ADJITIONAL - ADJACENT
RCH	- ARCHITECTURAL
BLKG	- BLOCKING
SLVV SN	- BELOW - BOUNDARY NAILS
TWN	- BETWEEN
BC	- CALIFORNIA BUILDING CODE
;J :1	- CONSTRUCTION JOINT
OL	- COLUMN
ONC	- CONCRETE
ON I	- CONTINUOUS - DOUGLAS FIR
) FPT	- DOUGLAS FIR PRESSURE TREATED
)L	- DEAD LOAD
NN :	- DOWN - EXISTING
LECT	- ELECTRICAL
N	- EDGE NAIL
NGR	- ENGINEER - EACH SIDE
W	- EACH WAY
DN	- FOUNDATION
H CHC	- FINISH FLOOR - FREE OF HEART CORE
OS	- FACE OF STUD
S	- FAR SIDE
5A 2ALV	- GAGE - GALVANIZED
SC SC	- GENERAL CONTRACTOR
GLB	- GLUED LAMINATED BEAM
SYP BD	
IORIZ	- HOEDOWN - HORIZONTAL
ISS	- HOLLOW STRUCTURAL SECTION
	- INTERNATIONAL BUILDING CODE
NV	- INVERTED
	- KIPS
(P (S	- KING POST - KING STUD
L	- LIVE LOAD
LV	- LONG LEG VERTICAL
LH SI	- LONG LOG HORIZON I AL
VL	- LAMINATED VENEER LUMBER
WT	- LIGHTWEIGHT
AAX AECH	- MAXIMUM - MECHANICAI
1FR	- MANUFACTURER
1IN	
AISC IS	- MISCELLANEOUS - NEAR SIDE
)C	- ON CENTER
CEW	- ON CENTER EACH WAY
) PNG	- OPPOSITE HAND - OPENING
PL	- PLATE
PLS	- POUNDS PER LINEAR FOOT
'SF PSI	- POUNDS PER SQUARE FOUT - PARALLEL STRAND LUMBER
Ϋ́	- PRESSURE TREATED
W	- PLYWOOD
	- SCHEDULE
HTHG	- SHEATHING
	- SHEET METAL SCREW
SID HK	- STANDARD HOOK - SIMILAR
TAG	- STAGGERED
STIFF	- STIFFENER
SYM	- SHEARWALL - SYMMETRICAL
&В	- TOP & BOTTOM
&G	- TONGUE AND GROOVED
N N	- TOE NAIL
Ϋ́P	- TYPICAL
JNO	- UNLESS NOTED OTHERWISE
IF	- VERIFY IN FIELD
V/	- WITH
VWF	- WELDED WIRE FABRIC



PRINT DATE: 7/20/2016 5:34:54 F

ISOMETRIC VIEW





ROOF FRAMING PLAN 1/4" = 1'-0"



FLOOR FRAMING AND FOUNDATION PLAN 1/4" = 1'-0"

ROOF FRAMING NOTES

1) ROOF SHEATHING TO BE 5/8" APA RATED 40/20 W/ 10d (0.148 SHANK DIAMETER) at 6" O.C. BOUNDARY & EDGES AND 12" O.C. FIELD (UNO). PROVIDE 4" O.C. NAILING INTO ALL BLOCKING, OUTRIGGERS AND GABLE TRUSSES. SEE DIAPHRAGM NAILING DETAIL 207/S2 FOR MORE INFO.

FRAMING LEGEND

_	_	_	_	_	

EXPOSED BEAM OR RAFTERCONCEALED BEAM OR HEADER

RAFTER

POST, TRIMMER OR COLUMN



POST BELOW FRAMINGDISCONTINUOUS POST ABV FRAMING

FOUNDATION NOTES

 SEE TYP NOTES AND DETAILS ON SHEET S0 FOR ADDITIONAL INFORMATION.
 BUILDER SHALL CHECK AND VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.

FOUNDATION & FLOOR FRAMING LEGEND



NEW FOOTING

_____ CONCEALED BEAM OR HEADER

FLOOR JOIST

POST, TRIMMER OR COLUMN



CONT FOOTING SCHEDULE

SYMBOL	FOOTING SIZE	REBAR
16	16" WIDE x 10" THICK	(3) #4 CONT.



S1



	15	14	13	12	11	
	DIVISION SECTION TITLE			9. TEST AND INSPECTION R		N OF TES
	013000 SUBMITTALS 013516 ALTERATION PROJE	ECT PROCEDURES		10. RECORD OF TEMPERAT TESTING AND INSPECTING. 11. COMMENTS OR PROFES	URE AND WEATHER CONDITIONS	STED OR
L	014000 QUALITY REQUIREM 014200 REFERENCES 015000 TEMPORARY FACIL	ENTS		WITH THE CONTRACT DOCUME 12. NAME AND SIGNATURE C 13. RECOMMENDATIONS ON	ENT REQUIREMENTS. DF LABORATORY INSPECTOR. N RETESTING AND REINSPECTING.	
_	016000 PRODUCT REQUIRED 017000 EXECUTION AND CLO	MENTS DSEOUT REQUIREMENTS		E. PERMITS, LICENSES, AND LICENSES, CERTIFICATIONS, INS	DERTIFICATES: FOR OWNER'S R SPECTION REPORTS, NOTICES, RE	ECORDS, ECEIPTS F
	DIVISION 02 - EXISTING CONDITI 024119 SELECTIVE DEMOLI	ONS TION		SIMILAR DOCUMENTS, ESTABL	ISHED FOR COMPLIANCE WITH ST DRK. ER QUALIEICATIONS: A PROFESSIO	ANDARD
	033000 CAST-IN-PLACE CO DIVISION 06 - WOOD, PLASTICS,	NCRETE , AND COMPOSITES		QUALIFIED TO PRACTICE IN JUR PROVIDING ENGINEERING SER	ER QUALIFICATIONS: A PROFESSIO RISDICTION WHERE PROJECT IS L VICES OF THE KIND INDICATED.	OCATED
	061000 ROUGH CARPENTRY 061533 WOOD PATIO DECK	, ING		G. TESTING AGENCY QUALI CAPABILITY TO CONDUCT TES	FICATIONS: AN INDEPENDENT AGE	ENCY WITH
IZ.	DIVISION 07 - THERMAL AND MC 073113 ASPHALT SHINGLES	DISTURE PROTECTION		H. RETESTING/REINSPECTI CONTRACTOR'S RESPONSIBIL	ING: REGARDLESS OF WHETHER (ITY, PROVIDE QUALITY-CONTRO	ORIGINAL L SERVIC
n	074646 FIBER-CEMENT SIDII 076200 SHEET METAL FLASI	NG HING AND TRIM		REINSPECTING, FOR CONSTRU CONTRACT DOCUMENTS.	CTION THAT REPLACED WORK TH	HAT FAILE
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	1. DO NOT PROCEED WITH T END OF SECTION 0 135 16	, OR DISTORTION. HE WORK IN QUESTION UNTIL DIF	RECTED BY ARCHITECT.	1. SHOW COMPLIANCE WITH 2. ARCHITECT WILL REVIEW	H REQUIREMENTS FOR COMPARA N THE PROPOSED PRODUCT AND	NOTIFY (
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STED OR INSPECTED WORK COMPLIES	A. PROVIDE PRODUCTS TH UNLESS OTHERWISE INDICATEI 1. PROVIDE PRODUCTS CC COMPONENTS NEEDED FOR A 2. DESCRIPTIVE PERFORM	AT COMPLY WITH THE CONTRACT DO 2, ARE NEW AT THE TIME OF INSTALLA 2007 DISTALLA 2007 DISTALLATION AND THE 2007 LETE INSTALLATION AND THE 2007 DARD	DCUMENTS, ARE UNDAMAGED, AND, ITION. INISH, AND OTHER DEVICES AND NTENDED USE AND EFFECT. REQUIREMENTS IN THE	FINAL PAINT COAT OVER ENT COATS UNTIL PATCH BLENDS 3.5 CLEANING A. CLEAN PROJECT SITE A MATERIAL STAWFULLY	IRE UNBROKEN WITH ADJACEN AND WORK ARE	N SURFACE CONTAINING NT SURFACES. EAS DAILY, INCLUDING (5 THE PATCH. PROVIDE ADDITIO COMMON AREAS. DISPOSE OF	DNAL AN BL 1. INF	ND FOR WHICH CURRENT MOD UILDING CODE IN EFFECT FOR ALLOWABLE LOADS AND FORMATION REFERENCED IN PANS INDICATED	PEL CODE EVALUATION REP PROJECT FOR INDICATED SPANS, AS DOCUMENTED II EVALUATION REPORTS, SHA	ORTS EXIST THAT S OCCUPANCY AND T N EVALUATION REPO ALL NOT BE LESS TH	HOW COMPLIANCE WITH YPE OF CONSTRUCTION. ORTS OR IN HAN DESIGN LOADS AND	L	AWDR	J. PAWLONSKI
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OCATED AND WHO IS EXPERIENCED IN	LISTED THAT COMPLIES WITH F B. WHERE REQUIREMENTS I PRODUCTS LISTED THAT COM	REQUIREMENTS. DO NOT INCLUDE "ONE OF THE FOLLC PLIES WITH REQUIREMENTS OR A COI	WING," PROVIDE ONE OF THE 1PARABLE PRODUCT	CERTIFICATION OF SUBSTANT 1. CLEAN PROJECT SITE, ACTIVITIES SWEEP PAVED AN	TIAL COMPLETIO YARD, AND GRO REAS: REMOVE	ON: OUNDS, IN AREAS DISTI STAINS SPILLS AND F	URBED BY CONSTRUCTION	2. PA UNDS 2.	. POWER-DRIVEN FASTEN ART 2 - EXECUTION	ERS: ICC-ES AC70.				100 St.	
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L SERVICES, INCLUDING RETESTING AND AT FAILED TO COMPLY WITH THE	B. WHERE REQUIREMENTS I COMPLIES WITH REQUIREMENT	S BT ONE OF THE LISTED MANUFACT DO NOT INCLUDE "ONE OF THE FOLLO S BY ONE OF THE LISTED MANUFACT	NERD. WING," PROVIDE A PRODUCT THAT JRERS OR ANOTHER	4. CLEAN TRANSPARENT COMPOUNDS.	MATERIALS, INC	MANENT. CLUDING MIRRORS. REI	MOVE EXCESS GLAZING	B. C.	FRAMING STANDARD: CC SECURELY ATTACH WORK	NON. DMPLY WITH AF\$PA WOD 1 UN K TO SUBSTRATES, COMPLY	NLESS OTHERWISE IN YING WITH THE FOLL	NDICATED. OWING:	ĸ		
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HORITIES HAVING JURISDICTION.	D. WHERE SPECIFICATIONS MANUFACTURER'S FULL RANGE	INCLUDE THE PHRASE "AS SELECTED "OR SIMILAR PHRASE, SELECT A PR	BY ARCHITECT FROM ODUCT THAT COMPLIES WITH	SECTION 024119 - SELECTIN PART 1 - GENERAL	VE DEMOLITION	l		SE PA	ECTION 062000 - FINISH CAR ART 1 - PRODUCTS	PENTRY				© 20	16 Siteline
IPLE TAKING, AND SIMILAR SER∨ICES, S AND FINISHES.	REQUIREMENTS. ARCHITECT W MANUFACTURER'S PRODUCT L 2.2 COMPARABLE PRODUC	ILL SELECT COLOR, GLOSS, PATTER INE THAT INCLUDES BOTH STANDARI TS	N, DENSITY, OR TEXTURE FROM 2 AND PREMIUM ITEMS.	1.1 SECTION REQUIREMENT A. ITEMS INDICATED TO BI DETACH FROM EXISTING CON	IS E REMOVED AN ISTRUCTION, IN .	ND SALVAGED REMAIN A MANNER TO PREVEN	OWNER'S PROPERTY. CAREFUL NT DAMAGE, AND DELIVER TO	1. LLY A. LU	.1 MATERIALS, GENERAL LUMBER: DOC PS 20 AND UMBER STANDARDS COMMITT	OGRADING RULES OF INSPECT TEE BOARD OF REVIEM.	CTION AGENCIES CE	RTIFIED BY AMERICAN		reserved	d. These designs,
SIBILITY, REGARDLESS OF THE VICES.	A. ARCHITECT WILL CONSIL FOLLOWING CONDITIONS ARE	DER CONTRACTOR'S REQUEST FOR (SATISFIED: 2005ED PRODUCT DOES NOT REQU		OWNER. INCLUDE FASTENERS B. OWNER WILL OCCUPY P	OR BRACKETS	S NEEDED FOR REATT. SUILDING IMMEDIATELY	ACHMENT ELSEWHERE ADJACENT TO SELECTIVE	B. 1.:	5. SOFTWOOD PLYWOOD: D .2 MISCELLANEOUS MATERI, EASTENERS EOR EXTERI	200 PS 1. ALS OR FINIGH CARRENTRY, GTA			J	are pro	otected under
	DOCUMENTS, THAT IT IS CONSI INDICATED RESULTS, AND THA	STENT WITH THE CONTRACT DOCUME T IT IS COMPATIBLE WITH OTHER POP	INTS AND WILL PRODUCE THE RTIONS OF THE WORK.	DISRUPTED. C. IT IS NOT EXPECTED TH	IAT HAZARDOU	S MATERIALS WILL BE	ENCOUNTERED IN THE WORK. IF	B. M	GLUE: ALIPHATIC-RESIN, F	OLYURETHANE, OR RESOR	CINOL WOOD GLUE F	RECOMMENDED BY		Unauthor	ized duplication of
	2. DETAILED COMPARISON NAMED IN THE SPECIFICATIONS 3. LIST OF SIMILAR INSTAL	I OF SIGNIFICANT QUALITIES OF PROF 5. LATIONS FOR COMPLETED PROJECT	OSED PRODUCT WITH THOSE 5, IF REQUESTED.	HAZARDOUS MATERIALS ARE OWNER. HAZARDOUS MATERI PART 2 - PRODUCTS	E ENCOUNTEREI IALS WILL BE RI	D, DO NOT DISTURB; IM EMOVED BY OWNER UN	IMEDIATELY NOTIFY ARCHITECT NDER A SEPARATE CONTRACT.	TANDC. PE PA	. CONTINUOUS SOFFIT VEN' ERFORATIONS. ART 2 - EXECUTION	TS: ALUMINUM HAT CHANNEL	- SHAPE WITH STAMF	PED LOUVERS OR		content	s herein is in
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ALL MEAN THE RECOGNIZED NAME OF CHANGE AND ARE BELIEVED TO BE	END OF SECTION OF BOOD			B. STANDARDS: COMPLY PART 3 - EXECUTION	MITH ANSI/ASS	5E A 10.6 AND NFPA 24	F1.	B. SC	ON INSTALL FINISH CARPENTI CRIBE AND CUT TO FIT ADJOIN	RY LEVEL, PLUMB, TRUE, ANI NING WORK. REFINISH AND SI	D ALIGNED WITH AD. EAL CUTS.	JACENT MATERIALS.			
ACT DOCUMENTS. NTERNATIONAL); WWW.CONCRETE.ORG. LAFANDPA.ORG.	SECTION 017000 - EXECUTIO PART 1 - GENERAL 1.1 EXECUTION REQUIREMEN	N AND CLOSEOUT REQUIREMENTS		3.1 DEMOLITION A. MAINTAIN SERVICES/ST DURING SELECTIVE DEMOLITI	YSTEMS INDICA	TED TO REMAIN AND F	ROTECT THEM AGAINST DAMAG	1. GE EX E 1/	. INSTALL TO TOLERANCE XTERIOR FINISH CARPENTRY & /16-INCH MAXIMUM OFFSET F0	OF 1/8 INCH IN 96 INCHES F MITH 1/32-INCH MAXIMUM O OR REVEAL INSTALLATION.	FOR LEVEL AND PLU DFFSET FOR FLUSH IN	IMB. INSTALL ADJOINING NSTALLATION AND			
N.ANSI.ORG. ON; WWW.ASPHALTROOFING.ORG.	A. CUTTING AND PATCHING 1. STRUCTURAL ELEMENTS		CTURAL ELEMENTS, NOTIFY	TEMPORARY SERVICES/SYS MAINTAIN CONTINUITY OF SER	TEMS THAT BY	PASS AREA OF SELEC MS TO OTHER PARTS C	TIVE DEMOLITION AND THAT DF THE BUILDING.	C. LE	INSTALL STANDING AND F ENGTH PIECES FROM MAXIMUN	RUNNING TRIM WITH MINIMUM 1 LENGTHS OF LUMBER AVA	NUMBER OF JOINTS	PRACTICAL, USING FULL- E PIECES LESS THAN 24		nre l	
; MMN.ASSE.ORG. TESTING AND MATERIALS	BEFORE PROCEEDING. SHORE PATCHING.	DETAILS OF CUTTING AND AWAIT L BRACE, AND SUPPORT STRUCTURA	ELEMENTS DURING CUTTING AND	B. LOCATE, IDENTIFY, SHU AND MECHANICAL/ELECTRIC. C. PROVIDE TEMPORARY	AL SYSTEMS SI BARRICADES	NECT, AND SEAL OR CA ERVING AREAS TO BE AND OTHER PROTECT	SELECTIVELY DEMOLISHED. 100 REQUIRED TO PREVENT INJ	JURY D.	ICHES LONG EXCEPT WHERE N IT RETURNS AND INSIDE CORNI D. NAIL SIDING AT EACH STU	ECESSARY. STAGGER JOIN ERS AND MITER AT OUTSIDE D. DO NOT ALLOW NAILS TO	E CORNERS. PENETRATE MORE	THAN ONE THICKNESS			0 -
RSIORG.	2. OPERATIONAL ELEMENT COMPONENTS IN A MANNER TH OR THAT REGULTS IN INCREAS	S: DO NOT CUT AND PATCH OPERAT HAT RESULTS IN REDUCING THEIR CAP ED MAINTENANCE OR DECREASED (NG ELEMENTS AND RELATED ACITY TO PERFORM AS INTENDED IPERATIONAL LIFE OR SAFETY	TO PEOPLE AND DAMAGE TO D. PROTECT WALLS AND O PROTECT FOURMENT THAT H	O ADJACENT BU OTHER EXISTING	JILDINGS AND FACILITIE G FINISH WORK THAT A REMOVED	ES TO REMAIN. RE TO REMAIN. COVER AND	OF AN FN	OF SIDING, UNLESS OTHERWISE ND OUTSIDE CORNERS AND A ND OF SECTION 062000	RECOMMENDED BY SIDING T TRIM LOCATIONS.	MANUFACTURER. SE	EAL JOINTS AT INSIDE		itect, LF	əet 9595(5 - t 3 - f h.com
EPA.GOV. 5.	3. VISUAL ELEMENTS: DO N VISUAL EVIDENCE OF CUTTING	OT CUT AND PATCH CONSTRUCTION AND PATCHING. DO NOT CUT AND PA	N A MANNER THAT RESULTS IN TCH EXPOSED CONSTRUCTION IN A	E. PROVIDE AND MAINTAIL PRESERVE STABILITY AND PI	N SHORING, BR. REVENT MOVE	ACING, AND STRUCTUR MENT, SETTLEMENT, OF	AL SUPPORTS AS REQUIRED TO R COLLAPSE OF CONSTRUCTION							i, Arch	on Stre ty CA 3.9416 3.9416
.TION; WWW.NECANET.ORG. IATION; WWW.NEMA.ORG.	MANNER THAT MOULD, IN ARCI B. MANUFACTURER'S INSTA MANUFACTURER'S WRITTEN RE	HITECT'S OPINION, REDUCE THE BUILD LLATION INSTRUCTIONS: OBTAIN AND COMMENDATIONS AND INSTRUCTION	NG'S AESTHETIC QUALITIES. MAINTAIN ON-SITE IS FOR INSTALLATION OF	AND FINISHES TO REMAIN. F. NEATLY CUT OPENINGS CUTTING METHODS LEAST LIK	AND HOLES PL	JUMB, SQUARE, AND TR GE CONSTRUCTION TO	.UE TO DIMENSIONS REQUIRED. U REMAIN OR ADJOINING	JSE PA 1.	ART 1 - GENERAL .1 SECTION REQUIREMENTS	HINGLES			Н	awlows!	44 Zic Ida Ci 30.478 30.478
1); WWW.NFPA.ORG. 2N; WWW.NRCA.NET. 2ATION INTERNATIONAL); WWW NGE ORG	PRODUCTS AND EQUIPMENT. 1.2 CLOSEOUT SUBMITTALS	ENANCE DATA, SUBMIT ONE COPY		CONSTRUCTION. G. REMOVE DEMOLITION /	NASTE MATERI,	ALS FROM PROJECT S	NTE. DO NOT BURN DEMOLISHED	A. 2 Ad	MARRANTIES: MANUFACT	URER'S STANDARD WRITTE AIR OR REPLACE ASPHALT :	EN WARRANTY, SIGNI SHINGLES THAT FAIL	ED BY MANUFACTURER _ IN MATERIALS FOR A		M L P	Neva 500 Www
ACTORS' NATIONAL ASSOCIATION;	1.3 SUBSTANTIAL COMPLET 1. OBTAIN AND SUBMIT REI	ION PROCEDURES LEASES FROM AUTHORITIES HAVING	JURISDICTION PERMITTING OWNER	H. CLEAN ADJACENT STR SELECTIVE DEMOLITION OPEN	UCTURES AND I RATIONS. RETU	MPROVEMENTS OF DU RN ADJACENT AREAS	IST, DIRT, AND DEBRIS CAUSED I TO CONDITION EXISTING BEFOR	BY PA RE 2.	ART 2 - PRODUCTS	MENTS			<u> </u>	Andre	
	UNRESTRICTED USE OF THE WO PERMITS, OPERATING CERTIFIC 2. SUBMIT CLOSEOUT SUBN	DRK AND ACCESS TO SERVICES AND CATES, AND SIMILAR RELEASES. 11TTALS SPECIFIED IN OTHER SECTIOI	NS, INCLUDING PROJECT RECORD	SELECTIVE DEMOLITION OPEI END OF SECTION 024119	RATIONS BEGA	Ν.		А. АҒ НА	. EXTERIOR FIRE-TEST EXF PPROPRIATE MARKINGS OF T AVING JURISDICTION.	POSURE: ASTME 108 OR UL 'ESTING AND INSPECTING AG	L 790, CLASS A. IDEI GENCY ACCEPTABLE	NTIFY PRODUCTS WITH E TO AUTHORITIES		Sit	
	DOCUMENTS, OPERATION AND 3. SUBMIT MAINTENANCE M SPARE PARTS, EXTRA MATER	MAINTENANCE MANUALS, WARRANT ATERIAL SUBMITTALS SPECIFIED IN C	ES AND SIMILAR DOCUMENTS. THER SECTIONS, INCLUDING TOOLS,	SECTION 033000 - CAST-IN-	-PLACE CONCR	RETE		2.: A.	L2 GLASS-FIBER-REINFORC LAMINATED-STRIP ASPH	ED ASPHALT SHINGLES ALT SHINGLES: ASTM D 346 ER AL-GRANULE SURFACED	2/D 3462M, LAMIN,	ATED, MULTI-PLY			
HEDS, AND OTHER SUPPORT FACILITIES	4. SUBMIT TEST/ADJUST/E 5. SUBMIT CHANGEOVER IN	BALANCE RECORDS. IFORMATION RELATED TO OWNER'S	OCCUPANCY, USE, OPERATION, AND	1.1 SECTION REQUIREMENT A. READY-MIXED CONCRE	IS ETE PR <i>O</i> DUCE R	R QUALIFICATIONS: AST	MC 94/C 94M.	B. ML	LAMINATED-STRIP, SBS-N IULTI-PLY OVERLAY CONSTRU	MODIFIED ASPHALT SHINGLE JCTION, MINERAL-GRANULE	ES: ASTM D 3462/D SURFACED, AND SEL	, 23462M, LAMINATED, LF-SEALING; COMPLYING	G		
MBUSTIBLE MATERIALS APART FROM	B. PROCEDURES PRIOR TO COMPLETION INSPECTION, CO	SUBSTANTIAL COMPLETION: BEFOR MPLETE THE FOLLOWING:	E REQUESTING SUBSTANTIAL	2.1 PEFORMANCE REQUIRE A. COMPLY WITH ACI 301,	EMENTS , "SPECIFICATIO	N FOR STRUCTURAL CO	ONCRETE," AND WITH ACI 117,	MI C. MI	(TH UL 2218, CLASS 4. . THREE-TAB-STRIP ASPH) IINERAL-GRANULE SURFACED,	ALT SHINGLES: ASTM D 346 , AND SELF-SEALING; WITH T	52/D 3462M, GLASS TABS REGULARLY SF	6-FIBER REINFORCED, PACED.			
AND EXTINGUISHING AGENT AS	1. ADVISE OWNER OF PENI 2. MAKE FINAL CHANGEOV 3. COMPLETE STARTUP AN	DING INSURANCE CHANGEOVER REQU ER OF PERMANENT LOCKS AND DEL ID TESTING OF SYSTEMS AND FOUR	IREMENTS. VER KEYS T <i>O O</i> WNER. IFNT	"SPECIFICATIONS FOR TOLER PART 3 - EXECUTION 3.1 CONCRETING	ANCES FOR CO	ONCRETE CONSTRUCTI	ION AND MATERIALS."	D. Re	2. THREE-TAB-STRIP, SBS-1 EINFORCED, MINERAL-GRANU ND COMPLYING WITH UL 2218	MODIFIED ASPHALT SHINGLE LE SURFACED, AND SELF-SE CLASS 4	ES: ASTM D 3462/D EALING; WITH TABS F	D 3462M, GLASS-FIBER REGULARLY SPACED	<u> </u>		
ASH FACILITIES, AND DRINKING-WATER	 REMOVE TEMPORARY F COMPLETE FINAL CLEAN 	ACILITIES AND CONTROLS.	HUP PAINTING.	A. CONSTRUCT FORMMOR IRREGULARITIES WITHIN ACI 3	RK ACCORDING 47R LIMITS OF	TO ACI 301 AND MAIN CLASS A, 1/8 INCH FO	NTAIN TOLERANCES AND SURFA OR CONCRETE EXPOSED TO VIE!	ACE 2.: M A.	ACCESSORIES FELTS: ASTM D 226/D 2.	26M OR ASTM D 4869/D 4	1869M ASPHALT-SA	TURATED ORGANIC			
R TYPE, NUMBER, LOCATION,	6. TOUCH UP AND OTHERM VISUAL DEFECTS. PART 2 - PRODUCTS	SE REPAIR AND RESTORE MARRED	EXPOSED FINISHES TO ELIMINATE	B. PLACE VAPOR RETARI SEALED.	DER ON PREPA	RED SUBGRADE, WITH	JOINTS LAPPED 6 INCHES AND	E B. Mi	EL 15. 5. SELF-ADHERING SHEET UI 11NERAL-GRANULE OR SLIP-RE	NDERLAYMENT: ASTM D 19 ESISTING-POLYETHYLENE SI	170/D 1970M, SBS- URFACED; WITH RELI	-MODIFIED ASPHALT; EASE PAPER BACKING;	-		
OCATIONS APPROVED BY OWNER TO DJECT. TON CONTAINERS IN SIZES ADEQUATE	2.1 MATERIALS A. IN-PLACE MATERIALS: US EXPOSED SURFACES USE MAT	5E MATERIALS FOR PATCHING IDENT TERIALS THAT VISUALLY MATCH IN-PL	CAL TO IN-PLACE MATERIALS. FOR ACE AD JACENT SURFACES TO THE	C. COMPLY WITH CRSI'S "M SUPPORTING REINFORCEMEN D INSTALL CONSTRUCTIO	1ANUAL OF STA IT. IN ISOLATION A	NDARD PRACTICE" FO	R FABRICATING, PLACING, AND	СС С. .L 1.	OLD APPLIED. . ASPHALT ROOFING CEME . WHERE NAILS ARE IN CON	ENT: ASTM D 4586/D 4586	M, TYPE II, ASBESTO G USE NAILS MADE F	DS FREE. FROM SAME METAL AS		∢	<u>م</u> ب
LY WITH REQUIREMENTS OF	FULLEST EXTENT POSSIBLE. PART 3 - EXECUTION			FULL-DEPTH JOINT-FILLER ST E. PLACE CONCRETE IN A	CONTINUOUS O	TION JOINTS. PERATION AND CONSC	OLIDATE USING MECHANICAL	FL D.	LASHING. P. FELT-UNDERLAYMENT NA	AILS: ALUMINUM, STAINLESS-	STEEL, OR HOT-DIP	GALVANIZED-STEEL		Ш	A 1000 020
S, AND CONDUCT CONSTRUCTION AS ND THAT MINIMIZE POSSIBLE AIR,	A. EXISTING CONDITIONS: T AND CONSTRUCTION INDICATE	HE EXISTENCE AND LOCATION OF UN D AS EXISTING ARE NOT GUARANTEE	DERGROUND AND OTHER UTILITIES D. BEFORE BEGINNING SITEWORK,	F. PROTECT CONCRETE F DUE TO HOT OR COLD WEATH	FROM PHYSICAL	L DAMAGE, PREMATUR KING, PLACING, AND CUF	E DRYING, AND REDUCED STRE RING.	ENGTH E. ME	IRE WITH LOW-FROME CAPPI . SHEET METAL FLASHING A IETAL FLASHING AND TRIM."	AND TRIM: COMPLY WITH RE	EQUIREMENTS IN SEC	TION 076200 "SHEET		₹	Ω Ω Ω
OTHER UNDESIRABLE EFFECTS. SCHARGE OF SOIL-BEARING WATER 2 ADJACENT PROPERTIES AND	INVESTIGATE AND VERIFY THE CONSTRUCTION AFFECTING THE B. BEFORE PROCEEDING M	: EXISTENCE AND LOCATION OF UNDE IE MORK. NITH EACH COMPONENT OF THE WORI	RGROUND UTILITIES AND OTHER	G. FORMED SURFACE FINIS COATED, OR COVERED BY M FORMED FINISH ELSEMHERE.	SH: SMOOTH-FO NATERPROOFIN	ORMED FINISH FOR COI IG OR OTHER DIRECT-	NGRETE EXPOSED TO VIEW, APPLIED MATERIAL; ROUGH-	1. INC PA	. DRIP EDGE: FORMED SHE ICH FASCIA FLANGE WITH A 3/ ART 3 - EXECUTION	EET METAL WITH AT LEAST A 8-INCH DRIP AT LOWER EDG	A 2-INCH ROOF DECH GE.	K FLANGE AND A 1-1/2-		$ $ ∇	
INCING LOCATED AS INDICATED OR	AND CONDITIONS, WITH INSTAL WITH REQUIREMENTS FOR INST	LER OR APPLICATOR PRESENT WHE ALLATION TOLERANCES AND OTHER	RE INDICATED, FOR COMPLIANCE CONDITIONS AFFECTING	H. SLAB FINISHES: COMPL' OPERATIONS FOR CONCRET	Y WITH ACI 302 E SURFACES. D	2.1R FOR SCREEDING, F O NOT WET CONCRETE	RESTRAIGHTENING, AND FINISHIN E SURFACES. PROVIDE THE	NG 3. A.	.1 INSTALLATION COMPLY WITH RECOMMENTED	NDATIONS IN ARMA'S "RESID	DENTIAL ASPHALT R	OOFING MANUAL" AND	F		
, FLOODING, AND EROSION. ER THAT WILL PREVENT PEOPLE AND	1. VERIFY COMPATIBILITY 2. EXAMINE ROUGHING-IN F	WITH AND SUITABILITY OF SUBSTRAT OR MECHANICAL AND ELECTRICAL S	ES. YSTEMS.	1. SCRATCH FINISH FOR S 2. FLOAT FINISH FOR SURF	URFACES TO R FACES TO RECI	ECEIVE MORTAR SETT EIVE WATERPROOFING	TING BEDS. 5, ROOFING, OR OTHER DIRECT-	- B.	OOF SYSTEMS." APPLY SELF-ADHERING S	CHEET UNDERLAYMENT OVE	ER ALL ROOF SHEAT	THING.		I	
SATES. H REQUIREMENTS OF AUTHORITIES TE BARRICADES, INCLUDING WARNING	 EXAMINE WALLS, FLOOR PROCEED WITH INSTALL CORRECTED. 	.S, AND ROOFS FOR SUITABLE COND ATION ONLY AFTER UNSATISFACTOR	TIONS. Y CONDITIONS HAVE BEEN	APPLIED MATERIAL. 3. TROWELED FINISH FOR OR OTHER THIN FILM-FINISH C	FLOOR SURFA	CES AND FLOORS TO I	RECEIVE FLOOR COVERINGS, P,	C. PAINT, FL D.	2. INSTALL METAL FLASHING LASHING AND TRIM." 2. INSTALL FIRST AND REMA	55 TO COMPLY WITH REQUIN	REMENTS IN SECTION LT SHINGLES, STAIR-	N 076200 "SHEET METAL -STEPPING DIAGONALLY	-	ິດ	
OF CONSTRUCTION, IN PROGRESS AND	D. TAKE FIELD MEASUREME THE WORK ARE INDICATED TO	ENTS AS REQUIRED TO FIT THE WORK FIT TO OTHER CONSTRUCTION, VERI SUREMENTS BEFORE FARRICATION	PROPERLY. WHERE PORTIONS OF FY DIMENSIONS OF OTHER	4. TROWEL AND FINE-BRO 5. NONSLIP-BROOM FINISH	DOM FINISH FOR H TO EXTERIOR	R SURFACES TO RECEIN R CONCRETE PLATFOR RE CURING FOR AT LEA	VE THIN-SET TILE. RMS, STEPS, AND RAMPS. AST SEVEN DAYS	AC CC	CROSS ROOF DECK WITH MAN OURSES AND MAINTAINING UNI	NUFACTURER'S RECOMMENT FORM EXPOSURE.	DED OFFSET PATTE	RN AT SUCCEEDING		μ Ω	ך צ רויך
	E. VERIFY SPACE REQUIRE DRAWINGS.	MENTS AND DIMENSIONS OF ITEMS S	HOWN DIAGRAMMATICALLY ON	J. BEGIN CURING CONCRE K. PROTECT CONCRETE F	TE SLABS AFTI ROM DAMAGE	ER FINISHING. . REPAIR AND PATCH D	DEFECTIVE AREAS.	E						X	D^{\prime}
TIES TO ESSENTIAL AND INTENDED	F. SURFACE AND SUBSTRA RECOMMENDATIONS FOR PRE 3.2 CONSTRUCTION LAYOUT	TE PREPARATION: COMPLY WITH MA PARATION OF SUBSTRATES TO REC AND FIELD ENGINEERING	NUFACTURER'S WRITTEN EIVE SUBSEQUENT MORK.	END OF SECTION 033000				95 PA 1.	ART 1 - GENERAL .1 SECTION REQUIREMENTS	IENT SIDING			D	ă	Σ Σ
S SERVICE HAS ENDED, WHEN IT HAS TY, OR NO LATER THAN SUBSTANTIAL	A. BEFORE PROCEEDING T DRAWINGS, IN RELATION TO TH B. ENGAGE A LAND SURVE	O LAY OUT THE WORK, VERIFY LAYO HE PROPERTY SURVEY AND EXISTING YOR TO LAY OUT THE WORK USING A	UT INFORMATION SHOWN ON BENCHMARKS. CCEPTED SURVEYING PRACTICES	SECTION 06 1000 - ROUGH C PART 1 - PRODUCTS 1.1 MISCELLANEOUS PROD	ARPENTRY			A. B. RF	SUBMITTALS: PRODUCT D MARRANTIES: MANUFACT EPAIR OR REPLACE SIDING TH	DATA, SAMPLES, AND ICC-ES TURER'S STANDARD FROM IN HAT FAILS IN MATERIALS OR	5 EVALUATION REPC N MHICH SIDING MAN R WORKMANSHIP WIT	ORTS. IUFACTURER AGREES TO THIN 25 YEARS. FAILURES	,	17	出品
CLEAN PERMANENT FACILITIES USED	3.3 INSTALLATION A. LOCATE THE WORK AND	COMPONENTS OF THE WORK ACCUR	ATELY, IN CORRECT ALIGNMENT	A. FASTENERS: SIZE AND IN GROUND CONTACT, OR IN A	TYPE INDICATE AREA OF HIGH R	D. WHERE ROUGH CARI RELATIVE HUMIDITY, PR	PENTRY IS EXPOSED TO WEATH OVIDE FASTENERS WITH HOT-D	HER, INC	ICLUDE, BUT ARE NOT LIMITED ORMAL WEATHERING.	TO, CRACKING, DEFORMING	5, OR OTHERWISE DE	ETERIORATING BEYOND		O	С ^в
	1. MAKE VERTICAL WORK 2. CONCEAL PIPES, DUCTS,	D. PLUMB AND MAKE HORIZONTAL WOR AND WIRING IN FINISHED AREAS UNLE	K LEVEL. SS OTHERWISE INDICATED.	2INC COATING COMPLTING WI 1. POWER-DRIVEN FASTE 2. BOLTS: STEEL BOLTS (ENERS: CABO N COMPLYING WIT	37A 153M. ER-272. TH ASTM A 307, GRADI	E A; WITH ASTM A 563 HEX NUTS	2. 5 AND, A.	ART 2 - PRODUCTS 1 MATERIALS FIBER-CEMENT SIDING: AS	STM C 1186, TYPE A, GRAD	DE II, FIBER-CEMENT I	BOARD,			
	 B. COMPLY WITH MANUFAC C. CONDUCT CONSTRUCTION DAMAGING OPERATIONS OR L 	TURER'S WRITTEN INSTRUCTIONS AND ON OPERATIONS SO NO PART OF THE OADING IN EXCESS OF THAT EXPECT	RECOMMENDATIONS. WORK IS SUBJECTED TO ED DURING NORMAL CONDITIONS	WHERE INDICATED, FLAT WAS B. METAL FRAMING ANCHO 1. USE ANCHORS MADE FR	GHERS. ORS: STRUCTUR ROM HOT-DIP 6	RAL CAPACITY, TYPE, A SALVANIZED STEEL CO	AND SIZE INDICATED. DMPLYING WITH ASTM A 653/A	NC OF 1.	ONCOMBUSTIBLE WHEN TESTE R LESS WHEN TESTED ACCOR LABELING: PROVIDE FIBE	ED ACCORDING TO ASTM E RDING TO ASTM E 84. FACTO R-CEMENT SIDING THAT IS 1	136; WITH A FLAME ORY PRIMED. TESTED AND LABEL	-SPREAD INDEX OF 25			
EQUIPMENT," "SYSTEM," AND TERMS OF	OF OCCUPANCY. D. ATTACHMENT: PROVIDE	BLOCKING AND ATTACHMENT PLAT	ES AND ANCHORS AND FASTENERS	653M, 660 COATING DESIGN INDICATED.		ERIOR LOCATIONS WHI	ERE STAINLESS STEEL IS NOT	AS PA	STM C 1186. ART 3 - EXECUTION				с		
OR CONSIDERATION OF EACH I OR INSTALLATION METHOD TO BE	OF ADEQUATE SIZE AND NUMB AND TYPE OF ATTACHMENTS , CONDITIONS.	ER 10 SECURELY ANCHOR EACH CO ARE NOT INDICATED, VERIFY SIZE AN	MPONENT IN PLACE. WHERE SIZE D TYPE REQUIRED FOR LOAD	2. USE ANCHORS MADE FR EXTERIOR LOCATIONS AND P PART 2 - EXECUTION	ROM STAINLESS NHERE INDICATI	5 51 EEL COMPLYING W ED.	11H ASTM A 666, TYPE 304 FOR	R 3. 1. EN	.1 INSTALLATION . INSTALL FASTENERS NO 1 ND OF SECTION 074646	MORE THAN 24 INCHES O.C.					
BLE PRODUCT REQUESTS. NOTIFY CONTRACTOR OF ITS	1. MOUNTING HEIGHTS: WHE HEIGHTS DIRECTED BY ARCHI E IOINTS: MAKE IOINTS O	RE MOUNTING HEIGHTS ARE NOT INDI TECT. E UNIFORM WIDTH WHERE JOINT LOC.	CATED, MOUNT COMPONENTS AT	2.1 INSTALLATION A. SET ROUGH CARPENTR	Y TO REQUIRED	D LEVELS AND LINES, M	NITH MEMBERS PLUMB, TRUE TO	LINE,	ECTION 076200 - SHEET MET						
SHOW COMPLIANCE WITH	INDICATED, ARRANGE JOINTS TO FORM HAIRLINE JOINTS.	FOR THE BEST VISUAL EFFECT. FIT EX	POSED CONNECTIONS TOGETHER	REQUIREMENTS FOR ATTACH B. FRAMING STANDARD: C	HING OTHER CO COMPLY WITH A	NSTRUCTION. F&PA'S MCD 1, "DETAIL	SFOR CONVENTIONAL WOOD	PA 1.	ART 1 - GENERAL .1 SECTION REQUIREMENTS					7,	/21/16
PTION OF SELECTING BETWEEN TWO ODUCTS PREVIOUSLY SELECTED. AND METHODS THAT WILL PREVENT	F. USE PRODUCTS, CLEANE HAZARDOUS. 3.4 CUTTING AND PATCHING	R5, AND INSTALLATION MATERIALS	HAT ARE NOT CONSIDERED	C. DO NOT SPLICE STRUCT D. SECURELY ATTACH RO	ESS OTHERMISE TURAL MEMBER PUGH CARPENTR	E INDICATED. RS BETWEEN SUPPORT RY TO SUBSTRATES, CO	S UNLESS OTHERMISE INDICATE OMPLYING WITH THE FOLLOWING	A. ED. AN G: NC		ION OF SHEET METAL FLASH AND SEAMS TO PROVIDE A N.	HING AND 1 RIM MI1H A LEAKPROOF, SECU	I ADJOINING ROOFING JRE, AND		uale:	
LY WITH MANUFACTURER'S WRITTEN	A. PROVIDE TEMPORARY B. PROTECTION: PROTECT DAMAGE. PROVIDE PROTECT	SUPPORT OF WORK TO BE CUT. IN-PLACE CONSTRUCTION DURING C ON FROM ADVERSE WEATHER CONT	ITTING AND PATCHING TO PREVENT	1. CABO NER-272 FOR P 2. PUBLISHED REQUIREME END OF SECTION 061000	OWER-DRIVEN	FASTENERS. FRAMING ANCHOR MA	NUFACTURER.	₽A 2. ▲	ART 2 - PRODUCTS 1.1 PERFORMANCE REQUIRE 2. STANDARD: COMPLY WIT	MENTS TH SMACNA'S "ARCHITECTUR	AL SHEET METAL M	ANUAL" UNLESS	В	scale: 1	5-111
R'S ORIGINAL SEALED CONTAINER OR	PROJECT THAT MIGHT BE EXP C. WHERE EXISTING SERVIC	OSED DURING CUTTING AND PATCHIN ES/SYSTEMS ARE REQUIRED TO BE	G OPERATIONS. REMOVED, RELOCATED, OR					01 RE	THERWISE INDICATED. CONFO	DRM TO DIMENSIONS AND PR D.	ROFILES SHOWN UNL	ESS MORE STRINGENT		job #:	
HANDLING, 51 OKING, UNPACKING, ICE WITH THE CONTRACT DOCUMENTS	ADANDONED, BYPASS SUCH S OCCUPIED AREAS. D. CUTTING: CUT IN-PLACE (ER VICES/STS I EMS BEFORE CUTTING	5 I O MINIMIZE IN I ERRUPTION TO ST LIKELY TO DAMAGE ELEMENTS	9ECTION 061533 - WOOD P PART 1 - PRODUCTS 1.1 TREATED MATERIALS	ATIO DECKING			2.: A. RE	SHEET METAL ALUMINUM SHEET: ASTM B .EQUIRED, NOT LESS THAN 0.03	3 209, ALLOY AS STANDAR 32 INCH THICK.	D WITH MANUFACTUR	RER FOR FINISH		SPF	SIFICATIONS
PERLY PROTECTED. ER PROJECT STRUCTURE. THE ELEMENTS LINDER COVER IN A	RETAINED OR ADJOINING CON 1. CUT HOLES AND SLOTS ADJACENT SURFACES TEMPS	STRUCTION. NEATLY TO MINIMUM SIZE REQUIRED, RARILY COVER OPENINGS WHEN NO	AND WITH MINIMUM DISTURBANCE OF	A. PRESERVATIVE-TREAT B. PROVIDE PRESERVATI FOLLOWING:	TED BOARDS A VE-TREATED N	ND DIMENSION LUMBEI MATERIALS FOR ITEMS	R: AWPA U 1; USE CATEGORY UC INDICATED ON DRAWINGS, AND	3B. 2.3 7 THE A.	ACCESSORIES FELT UNDERLAYMENT: AS SLIP SHEFT. ROGIN-GIZED	5TM D 226, ASPHALT-SATUR BUILDING PAPER 3-1 B / 1 A	RATED ORGANIC FE	ELTS.			
NADEQUATE TO PREVENT	E. PATCH WITH DURABLE S COMPLY WITH INSTALLATION F	EAMS THAT ARE AS INVISIBLE AS PO REQUIREMENTS SPECIFIED IN OTHERS	SSIBLE. PROVIDE MATERIALS AND ECTIONS.	1. FRAMING MEMBERS LES 2. SILLS AND LEDGERS.	SS THAN 18 INC	CHES ABOVE GRADE.		D. C. LC	ASTENERS: WOOD SCRE OCKING RIVETS AND BOLTS, A	EWS, ANNULAR-THREADED I	NAILS, SELF-TAPPING ENERS.	G SCREWS, SELF-			
ADDITION TO, AND RUN CONCURRENT JMENTS. MANUFACTURER'S NOT RELIEVE CONTRACTOR OF	 RESTORE EXPOSED FIN ADJOINING CONSTRUCTION IN WHERE WALLS OR PART 	SHES OF PATCHED AREAS AND EXTE A MANNER THAT WILL MINIMIZE EVIDE ITIONS THAT ARE REMOVED EXTEND	NU FINISH RESTORATION INTO NCE OF PATCHING AND REFINISHING. 2 ONE FINISHED AREA INTO	MEMBERS IN CONTACT4. POSTS.	MITHMASONR	T UR CONCRETE.		1. C/ 2.	. EXPOSED FASTENERS: HI APS OR FACTORY-APPLIED C . SPIKES AND FERRULES: S	EADS MATCHING COLOR OF COATING. SAME MATERIAL AS GUTTER	- SHEET METAL ROC ; WITH SPIKE WITH FE	UTING USING PLASTIC	A		
MENTS.	ANOTHER, PATCH AND REPAIR SURFACE OF UNIFORM FINISH, (FLOOR AND WALL SURFACES IN THE COLOR, TEXTURE, AND APPEARANCE	NEW SPACE PROVIDE AN EVEN					IN	ITERNAL GUTTER WIDTH.						P1
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- FASTENERS FOR ALUMINUM SHEET: ALUMINUM OR SERIES 300 STAINLESS STEEL. BUTYL SEALANT: ASTM C 1311, SOLVENT-RELEASE BUTYL RUBBER SEALANT.
- BITUMINOUS COATING: COLD-APPLIED ASPHALT EMULSION COMPLYING WITH ASTM D 1187. 2.4 FABRICATION

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- FABRICATE SHEET METAL FLASHING AND TRIM TO COMPLY WITH DETAILS SHOWN AND RECOMMENDATIONS IN CITED SHEET METAL STANDARD THAT APPLY TO THE DESIGN, DIMENSIONS, GEOMETRY, METAL THICKNESS, AND OTHER CHARACTERISTICS OF ITEM INDICATED. B. EXPANSION PROVISIONS: WHERE LAPPED EXPANSION PROVISIONS CANNOT BE USED, FORM EXPANSION JOINTS OF INTERMESHING HOOKED FLANGES, NOT LESS THAN 1 INCH DEEP, FILLED WITH BUTYL SEALANT CONCEALED WITHIN JOINTS.
- PART 3 EXECUTION 3.1 INSTALLATION A. COMPLY WITH CITED SHEET METAL STANDARDS. ALLOW FOR THERMAL EXPANSION; SET TRUE
- TO LINE AND LEVEL INSTALL WORK WITH LAPS, JOINTS, AND SEAMS PERMANENTLY WATERTIGHT AND END OF SECTION 099113 WEATHERPROOF; CONCEAL FASTENERS WHERE POSSIBLE. B. SEALANT JOINTS: WHERE MOVABLE, NONEXPANSION-TYPE JOINTS ARE REQUIRED, FORM METAL TO PROVIDE FOR PROPER INSTALLATION OF ELASTOMERIC SEALANT ACCORDING TO CITED SHEET
- METAL STANDARD. C. SEAMS: FABRICATE NONMOVING SEAMS WITH FLAT-LOCK SEAMS. FOR ALUMINUM, FORM SEAMS AND SEAL WITH EPOXY SEAM SEALER. RIVET JOINTS FOR ADDITIONAL STRENGTH. D. METAL PROTECTION: WHERE DISSIMILAR METALS CONTACT EACH OTHER, PROTECT AGAINST GALVANIC ACTION OR CORROSION BY PAINTING CONTACT SURFACES WITH BITUMINOUS COATING. COAT CONCEALED SIDE OF ALUMINUM WITH BITUMINOUS COATING WHERE IT CONTACTS WOOD, FERROUS METAL, OR CEMENTITIOUS CONSTRUCTION.
- SECTION 077100 ROOF SPECIALTIES PART 1 - GENERAL
- 1.1 SECTION REQUIREMENTS

END OF SECTION 076200

- A. WARRANTIES: PROVIDE MANUFACTURER'S STANDARD WRITTEN WARRANTY, WITHOUT MONETARY LIMITATION, SIGNED BY MANUFACTURER AGREEING TO PROMPTLY REPAIR OR REPLACE ROOF SPECIALTIES THAT SHOW EVIDENCE OF DETERIORATION OF FACTORY-APPLIED FINISHES FOR THE PERIOD OF 20 YEARS. PART 2 - PRODUCTS
- 2.1 ROOF SPECIALTIES
- GUTTERS AND DOWNSPOUTS: GUTTERS: MANUFACTURED IN UNIFORM SECTION LENGTHS, WITH MATCHING CORNER UNITS, ENDS, OUTLET TUBES, AND OTHER ACCESSORIES. ELEVATE BACK EDGE AT LEAST 1 INCH ABOVE FRONT EDGE. FURNISH EXPANSION JOINTS AND EXPANSION-JOINT COVERS.
- PREPAINTED, ZINC-COATED STEEL: 0.034 INCH THICK. GUTTER SUPPORTS: BRACKETS STRAPS OR SPIKES AND FERRULES OR MANUFACTURER'S STANDARD SUPPORTS WITH FINISH MATCHING THE GUTTERS.
- 2. DOWNSPOUTS: MITERED ELBOWS, FURNISH WALL BRACKETS OF SAME MATERIAL AND FINISH AS DOWNSPOUTS, WITH ANCHORS. FORMED ALUMINUM: 0.063 INCH THICK.
- EXTRUDED ALUMINUM: 0.125 INCH THICK.
- PREPAINTED, ZINC-COATED STEEL: 0.034 INCH THICK. COUNTERFLASHINGS: MANUFACTURED UNITS OF HEIGHTS TO OVERLAP TOP EDGES OF BASE FLASHINGS BY 4 INCHES DESIGNED TO SNAP INTO REGLETS OR THROUGH-WALL-FLASHING RECEIVER AND COMPRESS AGAINST BASE FLASHINGS WITH JOINTS LAPPED.
- COPPER: 16 OZ./SQ.FT. FORMED ALUMINUM: 0.032 INCH THICK.
- STAINLESS STEEL: 0.025 INCH THICK. ZINC-COATED STEEL: NOMINAL 0.028-INCH THICKNESS.
- 2.2 MATERIALS A. ALUMINUM SHEET: ASTM B 209, ALLOY AS STANDARD WITH MANUFACTURER FOR FINISH REQUIRED.
- B. ALUMINUM EXTRUSIONS: ASTM B 221, ALLOY AND TEMPER AS RECOMMENDED BY MANUFACTURER FOR USE AND FINISH INDICATED.
- C. FELT UNDERLAYMENT: ASTM D 226/D 226M, TYPE II (NO. 30) ASPHALT-SATURATED ORGANIC FELTS. SELF-ADHERING SHEET UNDERLAYMENT, HIGH TEMPERATURE: BUTYL OR SBS-MODIFIED
- ASPHALT; SLIP-RESISTING-POLYETHYLENE SURFACED; WITH RELEASE PAPER BACKING; COLD APPLIED. STABLE AFTER TESTING AT 240 DEG F AND PASSES AFTER TESTING AT MINUS 20 DEG F; ASTM D 1970
- FASTENERS: MANUFACTURER'S RECOMMENDED FASTENERS, SUITABLE FOR APPLICATION AND DESIGNED TO MEET PERFORMANCE REQUIREMENTS. EXPOSED PENETRATING FASTENERS: GASKETED SCREWS WITH HEADS MATCHING COLOR OF METAL.
- 2. FASTENERS FOR COPPER SHEET: COPPER, HARDWARE BRONZE, OR SERIES 300 STAINLESS STEEL
- FASTENERS FOR ALUMINUM: ALUMINUM OR SERIES 300 STAINLESS STEEL. FASTENERS FOR STAINLESS-STEEL SHEET: SERIES 300 STAINLESS STEEL. FASTENERS FOR ZINC-COATED (GALVANIZED) STEEL SHEET: SERIES 300 STAINLESS STEEL OR
- HOT-DIP ZINC-COATED STEEL. ELASTOMERIC SEALANT: ASTM C 920, ELASTOMERIC POLYMER SEALANT.
- BUTYL SEALANT: ASTM C 1311 SOLVENT-RELEASE BUTYL RUBBER SEALANT BITUMINOUS COATING: COLD-APPLIED ASPHALT EMULSION COMPLYING WITH ASTM D 1187/D1187M.
- PART 3 EXECUTION 3.1 INSTALLATION
- A. GENERAL: INSTALL ROOF SPECIALTIES ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTIONS. ANCHOR ROOF SPECIALTIES SECURELY IN PLACE, WITH PROVISIONS FOR THERMAL AND STRUCTURAL MOVEMENT.
- COAT BACK SIDE OF ALUMINUM AND STAINLESS-STEEL ROOF SPECIALTIES WITH BITUMINOUS COATING WHERE THEY WILL CONTACT WOOD, FERROUS METAL, OR CEMENTITIOUS CONSTRUCTION. C. SEPARATE DISSIMILAR METALS WITH A BITUMINOUS COATING OR POLYMER-MODIFIED,
- BITUMINOUS SHEET UNDERLAYMENT. D. BED FLANGES IN THICK COAT OF ASPHALT ROOFING CEMENT WHERE REQUIRED BY
- MANUFACTURERS OF ROOF SPECIALTIES FOR WATERPROOF PERFORMANCE. E. SPACE MOVEMENT JOINTS AT A MAXIMUM OF 12 FEET WITH NO JOINTS WITHIN 18 INCHES OF CORNERS OR INTERSECTIONS UNLESS INDICATED.
- F. FASTENER SIZES: USE FASTENERS OF SIZES THAT WILL PENETRATE SUBSTRATE NOT LESS THAN A. ELECTRICAL COMPONENTS, DEVICES, AND ACCESSORIES: LISTED AND RECOMMENDED BY FASTENER MANUFACTURER TO ACHIEVE MAXIMUM PULL-OUT RESISTANCE. G. SOLDERED JOINTS: CLEAN SURFACES TO BE SOLDERED, REMOVING OILS AND FOREIGN MATTER. PRETIN EDGES OF SHEETS TO BE SOLDERED TO A WIDTH OF 1-1/2 INCHES, EXCEPT WHERE B. COMPLY WITH UL 467 FOR GROUNDING AND BONDING MATERIALS AND
- PRETINNED SURFACE WOULD SHOW IN FINISHED WORK. H. GUTTERS: JOIN AND SEAL GUTTER LENGTHS. ALLOW FOR THERMAL EXPANSION. ATTACH GUTTERS TO FIRMLY ANCHORED GUTTER SUPPORTS SPACED NOT MORE THAN 12 INCHES APART. ATTACH ENDS WITH RIVETS AND SEAL WITH SEALANT TO MAKE WATERTIGHT. SLOPE TO DOWNSPOUTS. 1. DOWNSPOUTS: JOIN SECTIONS WITH MANUFACTURER'S STANDARD TELESCOPING JOINTS. PROVIDE HANGERS WITH FASTENERS DESIGNED TO HOLD DOWNSPOUTS SECURELY TO WALLS AND 1 INCH AWAY FROM WALLS; LOCATE FASTENERS AT TOP AND BOTTOM AND AT APPROXIMATELY 60 INCHES O.C. END OF SECTION 077100
- SECTION 089119 FIXED LOUVERS PART 1 - PRODUCTS
- 1.1 PERFORMANCE REQUIREMENTS
- A. PROVIDE LOUVERS COMPLYING WITH PERFORMANCE REQUIREMENTS INDICATED AS DEMONSTRATED BY TESTING ACCORDING TO AMCA 500-L. 1.2 LOUVER SCREENS
- A. PROVIDE SCREEN AT INTERIOR FACE OF EACH EXTERIOR LOUVER. FABRICATE SCREEN FRAMES D. CONNECTIONS TO STRUCTURAL STEEL: BOLTED. FROM SAME KIND AND FORM OF METAL AS INDICATED FOR LOUVER TO WHICH SCREENS ARE ATTACHED.
- SCREENING: 1/2-INCH- SQUARE MESH. PART 2 - EXECUTION
- 2.1 INSTALLATION INSTALL LOUVERS LEVEL, PLUMB, AND AT INDICATED ALIGNMENT WITH ADJACENT WORK. PROVIDE PERIMETER REVEALS OF UNIFORM WIDTH FOR SEALANTS AND JOINT FILLERS, AS INDICATED.
- USE CONCEALED ANCHORAGES WHERE POSSIBLE. PROTECT METAL SURFACES FROM CORROSION OR GALVANIC ACTION BY APPLYING A HEAVY COATING OF BITUMINOUS PAINT ON SURFACES THAT WILL BE IN CONTACT WITH CONCRETE, MASONRY, OR DISSIMILAR METALS.
- END OF SECTION 089119
- SECTION 099113 EXTERIOR PAINTING PART 1 - GENERAL
- 1.1 SECTION REQUIREMENTS A. EXTRA MATERIALS: DELIVER TO OWNER 1 GALLON OF EACH COLOR AND TYPE OF FINISH-COAT SERVICE PIPES USING A BOLTED CLAMP CONNECTOR OR BY BOLTING A LUC PAINT USED ON PROJECT, IN CONTAINERS, PROPERLY LABELED AND SEALED. PART 2 - PRODUCTS
- 2.1 PAINT MPI STANDARDS: PROVIDE MATERIALS THAT COMPLY WITH MPI STANDARDS. MATERIAL COMPATIBILITY: PROVIDE MATERIALS THAT ARE COMPATIBLE WITH ONE ANOTHER
- AND WITH SUBSTRATES. FOR EACH COAT IN A PAINT SYSTEM, PROVIDE PRODUCTS RECOMMENDED IN WRITING BY MANUFACTURERS OF TOPCOAT FOR USE IN PAINT SYSTEM AND ON SUBSTRATE INDICATED. PART 3 - EXECUTION
- 3.1 PREPARATION A. COMPLY WITH RECOMMENDATIONS IN MPI'S "MPI ARCHITECTURAL PAINTING SPECIFICATION MANUAL" APPLICABLE TO SUBSTRATES INDICATED. B. REMOVE HARDWARE, LIGHTING FIXTURES, AND SIMILAR ITEMS THAT ARE NOT TO BE PAINTED. MASK ITEMS THAT CANNOT BE REMOVED. REINSTALL ITEMS IN EACH AREA AFTER PAINTING IS COMPLETE.
- C. CLEAN AND PREPARE SURFACES IN AN AREA BEFORE BEGINNING PAINTING IN THAT AREA. SCHEDULE PAINTING SO CLEANING OPERATIONS WILL NOT DAMAGE NEWLY PAINTED SURFACES.

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- 3.2 APPLICATION A. COMPLY WITH RECOMMENDATIONS IN MPI'S "MPI ARCHITECTURAL PAIN MANUAL" APPLICABLE TO SUBSTRATES INDICATED. B. PAINT EXPOSED SURFACES, NEW AND EXISTING, UNLESS OTHERWISE I DO NOT PAINT PREFINISHED ITEMS, ITEMS WITH AN INTEGRAL FINISH, O LABELS UNLESS OTHERWISE INDICATED.
- APPLY PAINTS ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCT USE BRUSHES ONLY WHERE THE USE OF OTHER APPLICATORS IS NOT APPLY PAINTS TO PRODUCE SURFACE FILMS WITHOUT CLOUDINESS, S BRUSH MARKS, ROLLER TRACKING, RUNS, SAGS, ROPINESS, OR OTHER SURF
- IN SHARP LINES AND COLOR BREAKS. IF UNDERCOATS OR OTHER CONDITIONS SHOW THROUGH TOPCOAT, UNTIL CURED FILM HAS A UNIFORM PAINT FINISH, COLOR, AND APPEARANCE.
- SECTION 101400 SIGNAGE
- PART 1 GENERAL 1.1 SECTION REQUIREMENTS
- SUBMITTALS: PRODUCT DATA, SHOP DRAWINGS, AND SAMPLES. PART 2 - PRODUCTS
- SIGNS, GENERAL REGULATORY REQUIREMENTS: COMPLY WITH APPLICABLE PROVISION BUILDING CODE.
- 2.2 PANEL SIGNS A. PANEL SIGNS: MATTE-FINISHED OPAQUE ACRYLIC WITH ADHESIVELY WITH SQUARE-CUT EDGES AND ROUNDED CORNERS.
- FINISHES AND COLORS: AS SELECTED FROM MANUFACTURER'S FULL 2.3 MATERIALS A. ACRYLIC SHEET: ASTM D 4802, CATEGORY A-1 (CELL-CAST SHEET)
- ABSORBING). B. PLASTIC LAMINATE: HIGH-PRESSURE LAMINATE ENGRAVING STOCK / CONTRASTING COLORS.
- C. APPLIED VINYL: DIE-CUT CHARACTERS FROM VINYL FILM OF NOMINAL PRESSURE-SENSITIVE ADHESIVE BACKING, SUITABLE FOR EXTERIOR APPLIC PART 3 - EXECUTION
- 3.1 INSTALLATION A. LOCATE SIGNS WHERE INDICATED OR DIRECTED BY ARCHITECT. INST AND AT HEIGHTS INDICATED, WITH SIGN SURFACES FREE FROM DISTORTION
- APPEARANCE WALL-MOUNTED SIGNS MECHANICAL FASTENERS: USE NONREMOVABLE MECHANICAL FASTEN
- PREDRILLED HOLES. END OF SECTION 101400
- SECTION 221413 FACILITY STORM DRAINAGE PIPING
- PART 1 GENERAL PART 2 - PRODUCTS
- 2.1 PERFORMANCE REQUIREMENTS A. PIPING MATERIALS SHALL BEAR LABEL, STAMP, OR OTHER MARKINGS AGENCY.
- B. COMPLY WITH NSF/ANSI 14, "PLASTICS PIPING SYSTEM COMPONENTS MATERIALS," FOR PLASTIC PIPING COMPONENTS.
- 2.2 PIPES AND FITTINGS A. PVC PLASTIC, DWV PIPE AND FITTINGS: ASTM D 2665, SCHEDULE 40, M FITTINGS MADE TO ASTM D 3311, DRAIN, WASTE, AND VENT PATTERNS. 1. SOLVENT CEMENT: ASTM D 2564.
- A. PVC SOLVENT CEMENT SHALL HAVE A VOC CONTENT OF 510 G/L OR ACCORDING TO 40 CFR 59, SUBPART D (EPA METHOD 24). PART 3 - EXECUTION
- 3.1 PIPING INSTALLATION A. MAKE CHANGES IN DIRECTION FOR STORM DRAINAGE PIPING USING AF BENDS, AND LONG-SWEEP BENDS. DO NOT CHANGE DIRECTION OF FLOW M USE PROPER SIZE OF STANDARD INCREASERS AND REDUCERS IF PIPES OF CONNECTED. REDUCING SIZE OF DRAINAGE PIPING IN DIRECTION OF FLOW IS
- B. LAY BURIED BUILDING STORM DRAINAGE PIPING BEGINNING AT LOW P INSTALL TRUE TO GRADES AND ALIGNMENT INDICATED, WITH UNBROKEN CO PLACE HUB ENDS OF PIPING UPSTREAM. INSTALL REQUIRED GASKETS ACCC MANUFACTURER'S WRITTEN INSTRUCTIONS FOR USE OF LUBRICANTS, CEMEN INSTALLATION REQUIREMENTS. MAINTAIN SWAB IN PIPING AND PULL PAST E INSTALL STORM DRAINAGE PIPING AT THE FOLLOWING MINIMUM SLOP
- INDICATED: BUILDING STORM DRAIN: 1 PERCENT DOWNWARD IN DIRECTION OF FL SMALLER; 1 PERCENT DOWNWARD IN DIRECTION OF FLOW FOR PIPING NPS
- HORIZONTAL STORM-DRAINAGE PIPING: 2 PERCENT DOWNWARD IN D INSTALL PVC STORM DRAINAGE PIPING ACCORDING TO ASTM D 266 INSTALL UNDERGROUND PVC STORM DRAINAGE PIPING ACCORDING DO NOT ENCLOSE, COVER, OR PUT PIPING INTO OPERATION UNTIL IT IS
- APPROVED BY AUTHORITIES HAVING JURISDICTION.
- 3.2 INSPECTION A. INSPECT AND TEST PIPING SYSTEMS FOLLOWING PROCEDURES OF AU
- JURISDICTION. 3.3 PIPE SCHEDULE
- BELOWGROUND APPLICATIONS: PVC PLASTIC, DWV PIPE AND FITTING CEMENTED JOINTS. END OF SECTION 221413
- SECTION 260526 GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS PART 1 - GENERAL
- PART 2 PRODUCTS 2.1 PERFORMANCE REQUIREMENTS NFPA 70, BY A QUALIFIED TESTING AGENCY, AND MARKED FOR INTENDED L
- APPLICATION. 2.2 GROUNDING MATERIALS
- A. CONDUCTORS: SOLID FOR NO. 8 AWG AND SMALLER; STRANDED FOR UNLESS OTHERWISE INDICATED. INSULATED CONDUCTORS: COPPER OR TINNED-COPPER WIRE OR CA
- UNLESS OTHERWISE REQUIRED BY APPLICABLE CODE OR AUTHORITIES HAV 2. BARE, SOLID-COPPER CONDUCTORS: COMPLY WITH ASTM B 3. BARE, STRANDED-COPPER CONDUCTORS: COMPLY WITH ASTM B 8. BOLTED CONNECTORS FOR CONDUCTORS AND PIPES: COPPER OR C
- WELDED CONNECTORS: EXOTHERMIC-WELDING KITS OF TYPES RECO MANUFACTURER FOR MATERIALS BEING JOINED AND INSTALLATION CONDIT D. GROUND RODS: COPPER-CLAD STEEL, SECTIONAL TYPE. PART 3 - EXECUTION
- 3.1 INSTALLATION A. UNDERGROUND GROUNDING CONDUCTORS: INSTALL BARE COPPER C LEAST 24 INCHES BELOW GRADE. B. PIPE AND EQUIPMENT GROUNDING-CONDUCTOR TERMINATIONS: BOLT
- UNDERGROUND CONNECTIONS: WELDED.
- E. INSTALL GROUNDING CONDUCTORS ROUTED ALONG SHORTEST AND POSSIBLE UNLESS OTHERWISE INDICATED OR REQUIRED BY CODE. AVOID PLACING CONDUCTORS WHERE THEY MAY BE SUBJECTED TO STRAIN, IMPA F. INSTALL GROUND RODS DRIVEN INTO GROUND UNTIL TOPS ARE 2 INC OR 4 INCHES ABOVE FINISHED FLOOR SLAB UNLESS OTHERWISE INDICATED
- G. PROTECT GROUND RODS PASSING THROUGH CONCRETE FLOOR WITH PRESSURE-SENSITIVE INSULATING TAPE. H. MAKE CONNECTIONS WITHOUT EXPOSING STEEL OR DAMAGING COAT INSTALL BONDING STRAPS AND JUMPERS IN LOCATIONS ACCESSIBLE
- MAINTENANCE, EXCEPT WHERE ROUTED THROUGH SHORT LENGTHS OF CON BOND STRAPS DIRECTLY TO BASIC STRUCTURE, TAKING CARE NOT ADJACENT PARTS. K. BOND TO EQUIPMENT MOUNTED ON VIBRATION ISOLATION HANGERS :
- VIBRATION IS NOT TRANSMITTED TO RIGIDLY MOUNTED EQUIPMENT. GROUNDING AND BONDING FOR PIPING: METAL WATER SERVICE PIPE: INSTALL INSULATED COPPER GROUNDIN
- CONDUIT, FROM BUILDING'S MAIN SERVICE EQUIPMENT, OR GROUNDING BUS, SERVICE ENTRANCES TO BUILDING. CONNECT GROUNDING CONDUCTORS T PIPE FLANGE, USING ONE OF THE LUG BOLTS OF THE FLANGE. WHERE A DIELE FITTING IS INSTALLED, CONNECT GROUNDING CONDUCTOR ON STREET SIDE GROUNDING-CONDUCTOR CONDUIT OR SLEEVE TO CONDUCTOR AT EACH E 2. WATER METER PIPING: USE BRAIDED-TYPE BONDING JUMPERS TO ELI
- WATER METERS. CONNECT TO PIPE WITH A BOLTED CONNECTOR. BOND EACH ABOVEGROUND PORTION OF GAS PIPING SYSTEM DOWN SHUTOFF VALVE. M. TEST COMPLETED GROUNDING SYSTEM AT EACH LOCATION WHERE
- RESISTANCE LEVEL IS SPECIFIED, AT SERVICE DISCONNECT ENCLOSURE GR AT GROUND TEST WELLS. MEASURE GROUND RESISTANCE NOT LESS THAN TWO FULL DAYS AFT PRECIPITATION AND WITHOUT SOIL BEING MOISTENED BY ANY MEANS OTHER
- DRAINAGE OR SEEPAGE AND WITHOUT CHEMICAL TREATMENT OR OTHER AN REDUCING NATURAL GROUND RESISTANCE. PERFORM TESTS BY FALL-OF-POTENTIAL METHOD ACCORDING TO
- 3. EXCESSIVE GROUND RESISTANCE: IF RESISTANCE TO GROUND EXCEE NOTIFY ARCHITECT PROMPTLY AND INCLUDE RECOMMENDATIONS TO REDU END OF SECTION 260526

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SECTION 262126 - VIENS DEVICES PART 1 - PRODUCTS NDICATED NDICATED NDICATED I.1 PERCONNANCE REQUIREMENTS A. LECTRUCK COMPONITS DEVICES AND ACCESSORIES. LISTED AND LABELED AS DEFINED IN PERCINNO SALLE COMPONITS. DEVICES AND ACCESSORIES. LISTED AND LABELED AS DEFINED IN PERCINNO SALLED AND LABELED TRUCK AGADE DEVICES INDIS COMVERCIAL - GRADE DEVICES PROTING HOLDAYS LAPS. COMVENCINC RECEFFICIENT INTERRUPTER (GFCI) CONVENIENCE RECEFTACLES. NEMA ND 1.2 COMMERCIAL - GRADE DEVICES FACE IMPERTECTIONS. CIT D. DIPLEX GROWND-FAULT CIRCUIT-INTERRUPTER (GFCI) CONVENIENCE RECEFTACLES. NEMA ND 1. 22 COMMERCIAL - GROUP ADJLACES LISTED IN THAT STANDARD, UNLESS OTHERNOES NOTED APPLICATION C. CONVENCE RECEFTACLES. NEMA ND 1 AND UL 20. FART 2 - EXECUTION APPLICATION C. MOUNT DEVICES FLUGH INTH OROUNDING FRMIT AD DINOT OF THE MOUNTING HEIGHTS LISTED IN THAT STANDARD, UNLESS OTHERNOES NEMES STANDARD DEVICE PLATES CEPAR NALL INSUES AND EXHICIT DO THE BORGES HURD STANDARD DEVICE PLATES CEPAR NALL INSUES AND EXHICIT DO THE ROMES INDICATED GROUP ADJACENT DEVICES UNDER SINGLE, MULTIGANG WALL PLATES. MONT THE CALIFORNIA SECTION 262120 OR EXTRA-DEEP PLATES REPAIR NALL INSUES AND OTHER ADD CHER DRIVERS PERMESSING CAREFULLY REMOVE TEMS INDICATED TO DE SALVAGED AND OTHERNOES FEMENTS AND AND TO ACCENTED AND AND THE ROMES SINGLE, MULTIGANG WALL PLATES. MONT THE CALIFORNIA SECTION 2621100 DEVICES FLUGH REPAINS OFFRATIONS.	64 Siteline SiONS 6 Siteline re - All rights These designs, specifications cected under opyright laws. 230.478.9416 - t therein is in 1 of federal aw.
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IMPROVEMENTS TO CONDITION EXISTING BEFORE START OF SITE CLEARING. F. PROVIDE TEMPORARY EROSION- AND SEDIMENTATION-CONTROL MEASURES TO PREVENT SOIL S OF SPECIFIED TESTING EROSION AND DISCHARGE OF SOIL-BEARING WATER RUNOFF OR AIRBORNE DUST TO ADJACENT	644 Zion Street levada City CA 95959 530.478.9415 - t 530.478.9416 - f /ww.sitelinearch.com
AND RELATED REQUIREMENTS OF AUTHORITIES HAVING JURISDICTION. G. LOCATE. IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF UTILITIES INDICATED TO BE REMOVED	644 Zion Stree levada City CA 9 530.478.9415 - 530.478.9416 - /ww.sitelinearch.
OR ABANDONED IN PLACE. WITH PVC SOCKET TYPE 1. ARRANGE WITH UTILITY COMPANIES TO SHUT OFF INDICATED UTILITIES. 2.2 SITE CLEARING	644 Zior levada City 530.478. 530.478. /ww.sitelin
A. REMOVE OBSTRUCTIONS, TREES, SHRUBS, GRASS, AND OTHER VEGETATION TO PERMIT INSTALLATION OF NEW CONSTRUCTION. 1. GRIND DOWN STUMPS AND REMOVE ROOTS, OBSTRUCTIONS, AND DEBRIS TO A DEPTH OF 18	64 53 53 253
INCHES BELOW EXPOSED SUBGRADE. 2. CHIP BRUSH, BRANCHES, AND TREES AND DISPOSE OF OFF-SITE. PPROPRIATE BRANCHES. B. FILL DEPRESSIONS CAUSED BY CLEARING AND GRUBBING OPERATIONS WITH SATISFACTORY	Z S
SOIL MATERIAL UNLESS FURTHER EXCAVATION OR EARTHWORK IS INDICATED. DIFFERENT SIZES ARE SPROHIBITED. C. STRIP TOPSOIL. REMOVE SOD AND GRASS BEFORE STRIPPING TOPSOIL. STOCKPILE TOPSOIL AWAY FROM EDGE OF EXCAVATIONS WITHOUT INTERMIXING WITH SUBSOIL. GRADE STOCKPILES TO DRAIN WATER.	
DNTINUITY OF INVERT. 1. STOCKPILE SURPLUS TOPSOIL TO ALLOW FOR RESPREADING DEEPER TOPSOIL. DRDING TO D. REMOVE EXISTING ABOVE- AND BELOW-GRADE IMPROVEMENTS AS INDICATED AND AS NTS, AND OTHER NECESSARY TO FACILITATE NEW CONSTRUCTION.	
ACH JOINT AS COMPLETED. E. REMOVE SLABS, PAVING, CURBS, GUTTERS, AND AGGREGATE BASE AS INDICATED. TES UNLESS OTHERWISE 1. NEATLY SAM-CUT ALONG LINE OF EXISTING PAVEMENT TO REMAIN BEFORE REMOVING ADJACENT EXISTING PAVEMENT.]
LOW FOR PIPING NPS 3 AND F. DISPOSE OF WASTE MATERIALS AND EXCESS TOPSOIL, OFF OWNER'S PROPERTY. BURNING 5 4 AND LARGER. WASTE MATERIALS ON-SITE IS NOT PERMITTED. DIRECTION OF FLOW. 1. SEPARATE RECYCLABLE MATERIALS PRODUCED DURING SITE CLEARING FROM OTHER 5. NONRECYCLABLE MATERIALS. STORE OR STOCKPILE WITHOUT INTERMIXING WITH OTHER MATERIALS 70 ASTM D 2321. AND TRANSPORT THEM TO RECYCLING FACILITIES. 6 INSPECTED AND END OF SECTION 3 1 1000	
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55 WITH SOLVENT- A. INSTALLER QUALIFICATIONS: A SPECIALIST WHO IS LICENSED ACCORDING TO REGULATIONS OF AUTHORITIES HAVING JURISDICTION TO APPLY TERMITE-CONTROL TREATMENT AND PRODUCTS IN JURISDICTION WHERE PROJECT IS LOCATED.	$\sum_{\overline{\omega}}$
2.1 TERMITE-CONTROL PRODUCTS A. SOIL TREATMENT TERMITICIDE: EPA-REGISTERED TERMITICIDE ACCEPTABLE TO AUTHORITIES	ZAR -02
1. SERVICE LIFE OF TREATMENT: SOIL TREATMENT TERMITICIDE THAT IS EFFECTIVE FOR NOT LESS THAN FIVE YEARS AGAINST INFESTATION OF SUBTERRANEAN TERMITES.	
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ABLE INSULATED FOR 600 V VING JURISDICTION. C. POST WARNING SIGNS IN AREAS OF SOIL TREATMENT APPLICATION.	
D. REAPPLY SOIL TERMITICIDE TREATMENT SOLUTION TO AREAS DISTURBED BY SUBSEQUENT COPPER ALLOY. EXCAVATION OR OTHER CONSTRUCTION ACTIVITIES FOLLOWING APPLICATION. DMMENDED BY KIT END OF SECTION 3 13 1 16 TIONS.	NAY,N MAY,N
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