

GENERAL SPECIFICATIONS

VARIABLE SPECIFICATIONS

1. MATERIALS AND WORKMANSHIP:

ALL WORK FORCES SHALL BE SKILLED AND QUALIFIED FOR THE WORK THEY PERFORM. ALL MATERIALS USED, UNLESS NOTED OTHERWISE, SHALL BE NEW AND OF THE TYPES AND GRADES SPECIFIED.

WORKMANSHIP SHALL BE EQUAL TO OR BETTER IN QUALITY THAN THAT REQUIRED BY THE VARIOUS CONSTRUCTION TRADES FOR A FINISHED PRODUCT.

ALL CONTRACTORS SHALL CERTIFY TO THE SCHOOL DISTRICT IN WRITING THAT NO ASBESTOS CONTAINING MATERIALS, WHICH EXCEED THE STATE AND FEDERAL MANDATED SAFE ASBESTOS LEVELS, HAVE BEEN USED IN THE CONSTRUCTION OF THE BUILDING, OR ANY OF ITS PARTS.

2. GENERAL DESIGN REQUIREMENTS:

EACH MODULE SHALL BE PERMANENTLY IDENTIFIED WITH A METAL IDENTIFICATION TAG 3" x 1-1/2" MINIMUM SIZE, WITH THE FOLLOWING INFORMATION:

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|---------------------------|---------------------------|
| A. PSA APPLICATION NUMBER | D. DESIGN FLOOR LINE LOAD |
| B. DESIGN WIND LOAD | E. MANUFACTURER'S NAME |
| C. DESIGN ROOF LINE LOAD | |

AND LOCATED ON THE EXTERIOR AND INTERIOR, AT LOCATIONS INDICATED.

EACH MODULE SHALL BE CAPABLE OF RESISTING ALL VERTICAL AND LATERAL LOADS DURING TRANSPORTATION AND/OR RELOCATION. (NORMAL INDUSTRY PRACTICE FOR BRACING MODULES DURING TRANSPORTATION AND RELOCATION IS REQUIRED). WHEN MODULES ARE ASSEMBLED, JOINTS SHALL BE SEALED WITH REMOVABLE CLOSING STRIPS, OR OTHER APPROVED METHODS, TO PREVENT WATER AND AIR INFILTRATION, SEALING FOR WEATHERPROOF CONDITIONS, AND TO PROVIDE A COMPLETE AND FINISHED APPEARANCE.

EACH MODULE SHALL BE SUFFICIENTLY RIGID TO BE JACKED UP AT THE FRONT AND BACK CORNERS FOR RELOCATION WITHOUT DAMAGE TO THE UNIT. EVIDENCE OF EXCESSIVE BOWING, EXCESSIVE TORSION, OR RELATED INSTALLATION ABUSES, IN THE OPINION OF THE INSPECTOR, ARCHITECT, ENGINEER, AND/OR PSA FIELD ENGINEER, AND WHICH MAY CAUSE EXCESSIVE WORKING AT ANY JOINT OR COMPROMISE THE STRUCTURAL INTEGRITY OF THE MODULE, SHALL BE SUFFICIENT REASON FOR REJECTION OF THE MODULE.

FULL LENGTH GUTTERS SHALL BE FURNISHED AT THE DOWNSIDE OF MODULE, WHERE DRAINAGE OCCURS. FULL LENGTH DOWNSPOUTS SHALL BE PROVIDED.

3. DIMENSIONS:

THE BUILDINGS SHALL CONSIST OF 960 SQUARE FEET WITH A TOLERANCE OF MINUS 5 SQUARE FEET. ALL BUILDINGS SHALL MEET THE SQUARE FOOTAGE REQUIREMENT.

LINEAR DIMENSIONS SHALL BE AS INDICATED, FACE OF SILD (POS) TO FACE OF SILD, OR FACE OF CONCRETE (POC) TO FACE OF CONCRETE.

THE INTERIOR HEIGHT, FLOOR TO CEILING, SHALL BE AS NOTED IN THE DRAWINGS. THE MODULE SHALL BE CLEAR SPAN TYPE, UNLESS NOTED OTHERWISE.

THE ENTRANCE WALL SHALL HAVE A 5' ROOF OVERHANG. THE REAR WALL SHALL HAVE A 2' OVERHANG. FULL LENGTH GUTTERS AND DOWNSPOUTS SHALL BE FURNISHED AT LOCATIONS INDICATED.

4. FRAMING:

FRAMING AND STRUCTURAL MEMBERS SHALL BE OF THE TYPE, GRADE, AND SIZE, INDICATED IN THE STRUCTURAL DRAWINGS.

5. MOISTURE BARRIER:

ALL SURFACES EXPOSED TO WEATHER SHALL HAVE A WEATHER RESISTANT BARRIER TO PROTECT THE INTERIOR WALL AND CEILING COVERINGS. SUCH BARRIER SHALL BE EQUAL TO THAT PROVIDED IN UPC STANDARD NO. 14-1 FOR KRAFT WATERPROOF FELT. GRADE A BARRIER SHALL BE FREE FROM HOLES AND BREAKS OTHER THAN THOSE CREATED BY FASTENERS AND CONSTRUCTION SYSTEM DUE TO ATTACHING OF THE BUILDING PAPER.

6. Z BAR:

ALL HORIZONTAL JOINTS IN SIDING SHALL BE PROTECTED BY GALVANIZED "Z BAR" FLASHING, 5/4" x 5/8" x 3/4" x 26 GAUGE, INCLUDING THE FOLLOWING:

- JUNCTION OF SIDING AND SKIRTING
- JUNCTION OF SIDING TO SIDING

7. ROOF OVERHANG:

ALL OVERHANGS SHALL PRESENT A FINISHED APPEARANCE. ENCLOSED SOFFITS SHALL BE ENCLOSED WITH NO VISIBLE FRAMING MEMBERS. SOFFIT MATERIAL SHALL BE AS INDICATED SOFFITS SHALL BE NEATLY AND CLOSELY FITTED AND TRIMMED TO COVER ALL GAPS. ALL ENCLOSED SOFFIT AREAS SHALL BE VENTED IN ACCORDANCE THE (CBC) CALIFORNIA BUILDING CODE.

8. ELECTRICAL MATERIALS:

ALL ELECTRICAL WIRING 110V AND GREATER SHALL BE IN CONDUIT SYSTEMS AND SHALL MEET OR EXCEED THE REQUIREMENTS OF THE (CEC) CALIFORNIA ELECTRICAL CODE, 1975

ACCEPTABLE CONDUIT (UNLESS NOTED OTHERWISE):

- RIGID ELECTRICAL METALLIC TUBING (EMT), GALVANIZED THIN WALL
- FLEXIBLE (INTERIOR), GALVANIZED STEEL
- FLEXIBLE (EXTERIOR), GALVANIZED STEEL WITH FACTORY APPLIED PVC

ALL CONDUIT SHALL BE CONTINUOUS FROM OUTLET TO OUTLET AND SHALL BE SECURED IN CONFORMANCE WITH THE CEC. FIELD BENDS SHALL BE ANCHORED WHEN POSSIBLE. WHERE BENDS MUST BE MADE, USE AN APPROPRIATE "HOCKEY" OR BENDING MACHINE. REAM AND REPAIR ALL CONDUIT PRIOR TO INSTALLATION AND TERMINATE IN APPROPRIATE BUSHINGS OR CONNECTORS.

WIRING SHALL BE MINIMUM #14 COPPER TYPE TW, THW, THHN, OR THWN, AS APPLICABLE. CONDUIT FILL SHALL NOT EXCEED REQUIREMENTS TO THE CEC.

A SEPARATE GROUNDING CONDUCTOR SHALL BE PULLED THROUGHOUT THE ENTIRE SYSTEM. CARE SHALL BE TAKEN TO AVOID DAMAGE TO WIRE OR INSULATION DURING PULLING. POWERED SOAPSTONE OR A PULLING COMPOUND SUCH AS "YELLOW 77" LUBRICANT MAY BE USED.

MINIMUM CONDUIT SIZE SHALL BE 1/2" (UNLESS NOTED OTHERWISE). ALL EMPTY CONDUIT SHALL HAVE A PULL STRING INSTALLED.

IN EACH OF THE FOLLOWING SECTIONS ONE OF THE ITEMS MUST BE MARKED AS BEING APPLICABLE TO THIS BUILDING. ALL ITEMS NOTED AS STRUCTURAL MUST MEET THE MINIMUM STRUCTURAL REQUIREMENTS SET FORTH IN THE STRUCTURAL DRAWINGS AND NOTES.

1. SIDING (STRUCTURAL):

ANY EXTERIOR SIDING UTILIZED MUST MEET THE MINIMUM STRUCTURAL REQUIREMENTS FOR SIDING AS SPECIFIED IN THE GENERAL REQUIREMENTS.

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| ☐ | 5/8" x 4" APA PANEL 303 MDO |
| ☐ | 5/8" x 4" APA PANEL 303 1-1-11 ROUGH SAWN |
| ☒ | 5/8" x 4" APA PANEL DURA-TMP |
| ☐ | 5/8" x 4" APA PANEL SMOOTH MDO, NO GROOVES |
| ☐ | 5/8" x 4" APA PANEL SMOOTH - NO GROOVES |
| ☐ | OTHER (SPECIFY) _____ |

2. TRIM (ALL TRIM IS NON STRUCTURAL):

ROOF EDGE:

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|-------------------------------------|---|
| ☐ | 7/16" EMBOSSED WATERBOARDED SIDING WITH MDO SURFACE |
| ☒ | 2 x ROUGH SAWN DF, LF, OR SPRUCE |

CORNER TRIM:

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|-------------------------------------|--|
| ☐ | 1 x 4 DRY CEDAR OR SPRUCE, ROUGH SAWN |
| ☐ | 2 x 4 DRY CEDAR OR SPRUCE, ROUGH SAWN |
| ☒ | OTHER (SPECIFY): 1 x 6 DRY CEDAR OR SPRUCE, R.S. |

WINDOW TRIM:

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|-------------------------------------|---------------------------------------|
| ☒ | 1 x 4 DRY CEDAR OR SPRUCE, ROUGH SAWN |
| ☐ | 2 x 4 DRY CEDAR OR SPRUCE, ROUGH SAWN |
| ☐ | OTHER (SPECIFY): _____ |

NOG LINE CLOSURE:

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|-------------------------------------|--|
| ☐ | 7/16" EMBOSSED WATERBOARDED SIDING WITH MDO SURFACE |
| ☒ | OTHER (SPECIFY): 5/8" x 4" APA PANEL DURA-TMP - NO GROOVES |

3. SKIRTING (NON STRUCTURAL):

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| ☐ | 5/8" x 4" APA PANEL 303 MDO |
| ☐ | 5/8" x 4" APA PANEL 303 1-1-11 ROUGH SAWN |
| ☒ | 5/8" x 4" APA PANEL DURA-TMP - NO GROOVES |
| ☐ | 5/8" x 4" APA PANEL SMOOTH MDO, NO GROOVES |
| ☐ | 5/8" x 4" APA PANEL SMOOTH - NO GROOVES |
| ☐ | OTHER (SPECIFY) _____ |

4. VENTS:

VENT SPACE SHALL BE PROVIDED AT 1 SQUARE FOOT PER 150 SQ. FEET OF BUILDING PERIMETER FOR A TOTAL OF 6.4 SQUARE FEET.

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| ☒ | SCREEN VENT |
| ☐ | 1/2 GAUGE EXPANDED METAL VENT |

5. DOWNSPOUTS:

PROVIDE 1 PER MODULE.

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| ☒ | 30 GAUGE GALVANIZED SHEET METAL, PAINTED |
| ☐ | OTHER (SPECIFY) _____ |

6. ROOFING:

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| ☐ | 26 GAUGE GALVANIZED STANDING SEAM, CLASS B |
| ☒ | 3 PLY BUILT UP FIBERGLASS ROOFING SEE 25 |

7. DOORS AND FRAMES:

EXTERIOR DOORS:

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| ☒ | 1-3/4" x 4" 1/2 GAUGE STEEL FACE SHEETS WITH INTERIOR SOUND DEADENING MATERIAL |
| ☐ | OTHER (SPECIFY): WITH VISION PANEL |

INTERIOR DOORS (WHEN APPLICABLE):

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| ☒ | 1-3/4" x 4" SOLID CORE, PREFINISHED HARDBOARD FACE, WOOD GRAIN |
| ☐ | OTHER (SPECIFY): WITH VISION PANEL |

FRAMES:

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| ☒ | 1/2 GAUGE KNOCK DOWN, 3 ANCHORS PER FRAME |
| ☐ | OTHER (SPECIFY): 1/2 GAUGE WELDED, 3 ANCHORS PER FRAME |
| ☐ | OTHER (SPECIFY) _____ |

8. HARDWARE:

LOCKS:

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| ☒ | CLASSROOM TYPE LEVER HANDLE (KEYED BY DISTRICT) |
| ☐ | SCHLAGE D7000 OR EQUAL (240000S) |

CLOSERS:

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| ☒ | ADJUST TO 8.5 POUNDS MAXIMUM OPENING PRESSURE EXTERIOR, 5.0 (INTERIOR) |
| ☐ | 10N 1460 OR EQUAL |

HINGES:

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| ☒ | 1-1/2" PAR BLITS, 4-1/2" x 4-1/2" |
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WEATHERSTRIPPING:

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| ☒ | PEMCO 299PDV OR EQUAL |
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DOOR BOTTOM:

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| ☒ | PEMCO OR EQUAL |
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THRESHOLD:

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| ☒ | PEMCO 271A OR 272A OR EQUAL |
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KICKPLATE:

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| ☐ | 1/2 GAUGE STAINLESS STEEL, 2" LESS THAN DOOR WIDTH BY 10", BEVEL EDGES |
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DOOR BUMPER:

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| ☐ | QUALITY #44 OR EQUAL, 307, 15260 OR EQUAL |
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9. WINDOWS:

HORIZONTAL SLIDING, 50% VENTED, CLEAR ANODIZED ALUMINUM FRAME, SIZED PER FLOOR PLAN.

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| ☒ | SINGLE GLAZED, 3/16" SOLAR GRAY, 45% \, TEMPERED |
| ☐ | SINGLE GLAZED, 1/4" GRAYLINE, 14% \, TEMPERED |
| ☐ | DUAL GLAZED, 1/8" SOLAR GRAY, 45% \, TEMPERED |
| ☐ | DUAL GLAZED, 1/4" GRAYLINE, 14% \, TEMPERED |
| ☐ | HORIZONTAL BLINDS |
| ☐ | OTHER (SPECIFY) _____ |

OPERABLE SASH SHALL HAVE ALUMINUM FRAMED SCREEN, FINISH TO MATCH WINDOW FRAME. WINDOWS SHALL BE MOUNTED TO THE BUILDING FRAME AND BEHIND THE EXTERIOR FINISH SURFACE. WINDOW SHALL MEET ANSI/AMCA 500-88 15-CO SPECIFICATIONS. DUAL GLAZE WINDOWS HAVE 1/4" AIR SPACE, AND CLEAR TEMPERED INTERIOR PANE. % = AMOUNT OF LIGHT TRANSMITTANCE.

10. FLOOR COVERING AND BASE: (MEETING CLASS I FLAMMABILITY)

FLOOR COVERING:

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| ☐ | 24 OZ. CARPET |
| ☐ | 26 OZ. CARPET |
| ☐ | VCT (12 x 12) 1/8" |
| ☐ | SHEET VINYL 0.90 GAUGE |
| ☒ | OTHER (SPECIFY) BY DISTRICT |

BASE:

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| ☐ | FLUEBER 4" TOPSET, 1/8" THICK, BURKEOR EQUAL. |
| ☐ | FLUEBER 6" TOPSET, 1/8" THICK, BURKEOR EQUAL. |
| ☒ | OTHER (SPECIFY) BY DISTRICT |

CARPET SHALL BE DIRECT GLUE DOWN TYPE, OF SOLUTION DIED NYLON. SHEET VINYL AND VCT SHALL BE DIRECT GLUE DOWN TYPE. ADHESIVES SHALL BE WATER BASE TYPE.

11. INTERIOR WALLS (SMOKE DEVELOPMENT MAX. 450):

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| ☒ | VINYL COVERED TACKBOARD, CLASS II FLAME SPREAD RATING, 8 OZ PER SQUARE YARD, APPLIED OVER 1/2" GYPSUM WALLBOARD, DAMTAR, CHATFIELD CLARK OR EQUAL. |
| ☐ | (FLAME SPREAD: 26-75) GOLDEN SHADOW DRIFT |
| ☐ | 1/2" GYPSUM WALLBOARD, STANDARD TAPERED EDGE (FLAME SPREAD: 0-15) |
| ☐ | OTHER (SPECIFY) _____ |

12. CEILING (SMOKE DEVELOPMENT MAX. 450):

PANELS:

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| ☒ | 5/8" x 2' x 4' VINYL FACED MATERIAL FIBERBOARD (FLAME SPREAD: CLASS I, 0-25) |
| ☐ | 2' x 4' FIBERGLASS REINFORCED PLASTIC PANELS (FRP) (FLAME SPREAD: CLASS III, 200 OR LESS) |
| ☐ | OTHER (SPECIFY) _____ |

GRID SYSTEM:

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| ☐ | DOWN CORPORATION (STEEL EXPOSED GRID) [X] ARMASTRONG PRELUX: XL 64 EQUAL WHITE |
| | MAIN RUNNER (MIN HEAVY DUTY) DX26 T301 |
| | CROSS RUNNER DX416 XL -7328 |
| | WALL ANGLE MOLD, MTK EVJ 7800 |

GYPBOARD:

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| ☒ | 1/2" GYPSUM BOARD, STANDARD, TAPERED EDGES (FLAME SPREAD: CLASS I, 0-25) |
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13. PAINT:

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| ☐ | EXTERIOR FLAT ACRYLIC LATEX, SHERWIN WILLIAMS B36. |
| ☐ | EXTERIOR FLAT ACRYLIC LATEX, SHERWIN WILLIAMS ACO. |
| ☐ | EXTERIOR FLAT ACRYLIC LATEX, KELLY MOORE 1240. |
| ☒ | OTHER (SPECIFY) 1/2" EXT. FLAT ACRYLIC LATEX |

14. MARKERBOARDS:

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| ☐ | DRY ERASE FELT MARKER BOARD CHATFIELD-CLARK OR EQUAL. |
| ☒ | 8' x 4' WITH FULL LENGTH ERASER TRAY AND COR. MAP RAIL, 4 MAP HOLDERS, 1 PLY. HOLDER |
| ☐ | 6' x 4' PLY. BOARD |
| ☐ | 12' x 4' |
| ☐ | CHALK BOARD, 12' x 4' |
| ☐ | BULLETIN BOARD, 12' x 4' |
| ☐ | MAGNETIC BACKING |
| ☐ | OTHER (SPECIFY) _____ |

15. INSULATION:

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| ☒ | R-11 FLOORS AND WALLS, R-19 CEILING. |
| ☐ | OTHER: R-____ FLOORS, R-____ WALLS, R-____ CEILING |

16. FIRE EXTINGUISHER:

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| ☒ | PRESSURE TYPE, 2A/CBC, UL RATED WITH CHARGE DIAL AND QUICK RELEASE MOUNTING BRACKET < 146" MAX |
| ☐ | OTHER (SPECIFY) _____ |

17. SOFFIT DEPTH:

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| ☐ | NORMAL DEPTH SOFFIT |
| ☒ | OTHER (SPECIFY) EXPOSED |

18. ROOF OVERHANG:

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| ☐ | |
| ☐ | |
| ☒ | OTHER (SPECIFY) 2' SIDES |

19. CASEWORK:

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|-------------------------------------|------------------------------|
| ☐ | NONE |
| ☒ | OTHER (SPECIFY) SEE SHEET P1 |

20. DUCTWORK:

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| ☒ | FLEX DUCT |
| ☐ | INSULATED FLEX DUCT WITH VAPOR BARRIER. ALL DUCTWORK WITHIN 3' OF HVAC UNIT AND ALL INTERFACE CONNECTIONS SHALL BE METAL. DUCTWORK SHALL BE DESIGNED FOR 2" STATIC PRESSURE. REFERENCE BRANDS: OWENS CORNING FIBERGLASS DUCT BOARD 1" THICK. MANVILLE MICRO-ARE TYPE 4/5. ALL NON METALLIC DUCTWORK SHALL CONFORM TO NFPA 90-A AND 90-B AND SHAWMA CLASS I RATING. |
| ☐ | ALL GALVANIZED SHEET METAL. CONSTRUCT ALL DUCTWORK OF GALVANIZED SHEET METAL IN ACCORDANCE WITH CMC, ASHRAE, AND SHAWMA. ALL DUCTWORK SHALL BE INSULATED WITH 1" THICK FIBERGLASS DUCT WRAP AND VAPOR BARRIER. PROVIDE 1" SOUND ATTENUATION AT ALL DUCTWORK WITHIN 6' OF HVAC UNIT. |
| ☐ | OTHER (SPECIFY) _____ |

21. ELECTRICAL: (SEE SHEET E)

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| ☒ | STANDARD PLAN |
| ☐ | ADDITIONAL OUTLETS (SPECIFY) _____ |
| ☐ | ADDITIONAL LIGHT FIXTURES (SPECIFY) _____ |
| ☐ | ADDITIONAL EXTERIOR LIGHT FIXTURES (SPECIFY) _____ |
| ☐ | PLUG MOLD OUTLETS (SPECIFY) _____ |
| ☐ | ELECTRIC CLOCK |
| ☐ | 200 AMP PANEL |
| ☐ | OTHER (SPECIFY) _____ |

22. SIGNAL SYSTEMS:

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| ☐ | BY OTHERS |
| ☒ | OTHER (SPECIFY) NONE |

23. FIRE ALARM:

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| ☒ | PROVIDE CONDUIT AND JUNCTION BOXES ONLY WIRING, FIXTURES, AND HOOK-UPS BY OTHERS. |
| ☐ | FIRE HORN |
| ☐ | FIRE PULL STATION |
| ☐ | OTHER (SPECIFY) _____ |

24. OTHER (SPECIFY):

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| ☐ | LIGHT GAUGE FRAMING FINISH OPTIONS (SEE SHEET S01) |
| ☒ | PAIN'T BURN INHIBITIVE COATING DEWE DEVELOP 400 OR EQUAL |
| ☒ | COLORS - BUILDING FIELD BEIGE |
| | DOORS, FRAMES, TRIM BROWN |
| | GUTTERS, DOWNSPOUTS |

25. BUILT UP ROOFING SPECIFICATIONS:

SCHULLER OR EQUAL 3GNC THREE PLY MINERAL SURFACED FIBERGLASS BUILTUP ROOF CLASS A PER ESTIMOTOP ROOF DRAINAGE FOLLOW MANUFACTURERS WRITTEN SPECIFICATIONS AND INSTRUCTIONS, INCLUDING FLASHING AND APPLICATION REQUIREMENTS.

MATERIALS PER 100 SF OF ROOF AREA:

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|-------------------------------|----------------|
| SHEATHING PAPER | 1 LAYER |
| FELTS: | |
| GLASSBASE | 1 PLY |
| GLASSPLY IV | 1 PLY |
| GLASKAP | 1 PLY |
| BITUMEN (INTERLAY): | |
| ASPHALT | NOMINAL WEIGHT |
| 170 DEGREES, TYPE II, FLAT | 46 POUNDS |
| APPROXIMATE INSTALLED WEIGHT: | 141-215 POUNDS |

APPLICATION: OVER PLYWOOD DECKING, ONE PLY OF 30# SHEATHING PAPER UNDER THE BASE FELT AND ON TOP OF THE DECKING. APPLY PERPENDICULAR TO THE ROOF INCLINE.

USING GLASSBASE, START WITH A 12" WIDTH. THE FOLLOWING BASE SHEET COURSES ARE APPLIED FULL WIDTH, LAPPING THE PRECEDING FELT 6" ON THE SIDE LAPS AND END LAPS. NAIL THE SIDE LAPS 9" OC. DOWN THE LONGITUDINAL CENTER OF EACH FELT. PLACE TWO ROWS OF NAILS SPACED APPROXIMATELY 11" APART, WITH THE NAILS STAGGERED ON APPROXIMATELY 18" CENTERS. USE ROOFING NAILS WITH 1" MINIMUM DIAMETER CAPS.

USING GLASSPLY IV