

DIVISION E : CONSTRUCTION

This Division includes all establishments mainly engaged in constructing buildings (including the on-site assembly and erection of prefabricated buildings), roads, railroads, aerodromes, irrigation projects, harbour or river works, water, gas, sewerage or stormwater drains or mains, electricity or other transmission lines or towers, pipelines, oil refineries or other specified civil engineering projects. In general, establishments mainly engaged in the repair of buildings or of other structures are also included in this Division, as are those engaged in the alteration or renovation of buildings, preparation of mine sites, demolition or excavation. Establishments mainly engaged in organising or managing these kinds of work (e.g. establishments mainly engaged in providing construction project management services) are included in this Division. However, establishments mainly engaged in providing architectural supervision or consultant engineering services are not included though they may be involved in supervising construction work; such establishments are included in Division I. Units of the defence forces, engaged in construction activities, are not included in this Division; the defence forces are included in Division J.

2 Establishments mainly engaged in certain specified installation activities such as installation of heating and air conditioning equipment, on-site assembly of boilers, installation of fire alarm systems, blinds and awnings, petrol bowsers or electrical wiring, or in special building or construction trades such as structural steel erection, carpentry, bricklaying, concreting, plumbing, painting, plastering, floor and wall tiling or roof tiling as well as the installation or laying of floor coverings such as carpets or linoleum, are included in this Division. However, not all establishments mainly engaged in installing goods are included in this Division, e.g. establishments mainly engaged in glazing are included in Class 4728 in Division F, those mainly engaged in installing household appliances (not requiring electrical or plumbing work in order to be installed) are included in Subdivision 48 in Division F, while establishments mainly engaged in installing lifts, escalators, factory assembled boilers, shop fronts or "built-in" furniture are included in Division C. The concepts and rules underlying the treatment of installation activities are discussed more fully in Chapter 5 of the Classification.

Australian Standard Industrial Classification : Detailed Classification

DIVISION E : CONSTRUCTION

SUBDIVISION 41 : GENERAL CONSTRUCTION

Group	Class	Title and Description
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411		<u>BUILDING CONSTRUCTION</u>
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	4111	HOUSE CONSTRUCTION
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This class consists of establishments mainly engaged in the construction of houses or in carrying out alterations, additions or general renovation or repairs to houses, or in organising or managing these activities.

EXCLUSIONS/REFERENCES: Establishments mainly engaged: (a) in off-site production or manufacture of prefabricated buildings or building components are included in the appropriate classes of Division C, Manufacturing; (b) in providing special trade repair services such as electrical or plumbing repair are included in the appropriate classes in Subdivision 42, Special Trade Construction; and (c) in providing architectural or building consultancy services (except organising or managing building or construction projects) are included in the appropriate classes in Division I, Finance, Property and Business Services.

Primary Activities

Alteration or addition to houses	Houses, prefabricated, assembly, erection or installation (on-site)
House building	
House construction, alteration, renovation or general repair	Project management (house construction) Repair or renovation of houses (general service)

	4112	RESIDENTIAL BUILDING CONSTRUCTION N.E.C.
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This class consists of establishments mainly engaged in the construction of residential buildings (except houses, or such commercial or public buildings as hotels, hostels, hospitals and the like), in carrying out alterations, additions or general renovation or repairs to such buildings, or in organising or managing their construction.

Australian Standard Industrial Classification : Detailed Classification

DIVISION E : CONSTRUCTION - contd

SUBDIVISION 41 : GENERAL CONSTRUCTION - contd

Group	Class	Title and Description										
411		<u>BUILDING CONSTRUCTION</u> - contd										
	4112	RESIDENTIAL BUILDING CONSTRUCTION N.E.C. - contd										
		EXCLUSIONS/REFERENCES: Establishments mainly engaged: (a) in off-site production or manufacture of prefabricated buildings or building components are included in the appropriate classes in Division C, Manufacturing; (b) in the construction of commercial or public buildings such as hotels, hostels, hospitals and the like are included in Class 4113; (c) in providing special trade repair services, such as electrical or plumbing repair are included in the appropriate classes in Subdivision 42, Special Trade Construction; and (d) in providing architectural or building consultancy services (except organising or managing building or construction projects) are included in the appropriate classes in Division I, Finance, Property and Business Services.										
		Primary Activities										
		<table> <tbody> <tr> <td>Alteration or addition to residential buildings n.e.c.</td> <td>Home units construction</td> </tr> <tr> <td>Apartment building construction</td> <td>Project management (residential building construction n.e.c.)</td> </tr> <tr> <td>Duplex houses construction</td> <td>Repair or renovation of residential buildings (general service)</td> </tr> <tr> <td>Flats construction</td> <td>n.e.c.</td> </tr> <tr> <td>Highrise flats construction</td> <td>Semi-detached housing construction</td> </tr> </tbody> </table>	Alteration or addition to residential buildings n.e.c.	Home units construction	Apartment building construction	Project management (residential building construction n.e.c.)	Duplex houses construction	Repair or renovation of residential buildings (general service)	Flats construction	n.e.c.	Highrise flats construction	Semi-detached housing construction
Alteration or addition to residential buildings n.e.c.	Home units construction											
Apartment building construction	Project management (residential building construction n.e.c.)											
Duplex houses construction	Repair or renovation of residential buildings (general service)											
Flats construction	n.e.c.											
Highrise flats construction	Semi-detached housing construction											
	4113	NON-RESIDENTIAL BUILDING CONSTRUCTION										
		This class consists of establishments mainly engaged in the construction of non-residential buildings (including also hotels, motels, hostels and institutional buildings such as hospitals, prisons, etc), in carrying out alterations, additions or general renovation or repairs to such buildings, or in organising or managing their construction.										

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DIVISION E : CONSTRUCTION - contd

SUBDIVISION 41 : GENERAL CONSTRUCTION - contd

Group	Class	Title and Description
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411		<u>BUILDING CONSTRUCTION</u> - contd
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	4113	NON-RESIDENTIAL BUILDING CONSTRUCTION - contd
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EXCLUSIONS/REFERENCES: Establishments mainly engaged: (a) in off-site production or manufacture of prefabricated buildings or building components are included in the appropriate classes in Division C, Manufacturing; (b) in providing special trade repair services such as electrical or plumbing repair are included in the appropriate classes in Subdivision 42, Special Trade Construction; and (c) in providing architectural or building consultancy services (except organising or managing building or construction projects) are included in the appropriate classes in Division I, Finance, Property and Business Services.

Primary Activities

Alteration or addition to non-residential buildings	Prefabricated non-residential buildings assembly, erection or installation (on-site; except sheds, garages or car ports)
Commercial buildings construction	Prison buildings construction
Factory buildings construction	Project management (non-residential building construction)
Hospital buildings construction	Religious buildings construction
Hostels construction	Repair or renovation of non-residential buildings (general service)
Hotels construction	School buildings construction
Industrial buildings construction	Theatre buildings construction
Institutional buildings construction	Warehouses construction
Motels construction	
Non-residential buildings construction	
Office block construction	

Australian Standard Industrial Classification : Detailed Classification

DIVISION E : CONSTRUCTION - contd

SUBDIVISION 41 : GENERAL CONSTRUCTION - contd

Group	Class	Title and Description
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412		<u>NON-BUILDING CONSTRUCTION</u>
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	4121	ROAD AND BRIDGE CONSTRUCTION
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This class consists of establishments mainly engaged in the construction or general repair of roads, bridges, aerodrome runways or parking lots or in organising or managing their construction. The quarrying of earth, soil or filling or other construction materials carried out in conjunction with road or bridge construction by the same establishment is included in this class.

EXCLUSIONS/REFERENCES: Establishments mainly engaged: (a) in manufacturing bituminous surfacing materials (except hot-mix bituminous paving) are included in Class 2780; (b) in the construction of tunnels for any purpose are included in Class 4122; and (c) in providing special trade repair services, or in undertaking special trade construction of component parts of roads or bridges, e.g. in construction of kerbs or gutters only or in installing electrical wiring for traffic lights, are generally included in the appropriate classes in Subdivision 42, Special Trade Construction.

Primary Activities

Aerodrome runway construction	Overpasses construction
Asphalt surfacing	Parking lot construction (except buildings)
Bridges construction (incl. construction from prefabricated components)	Project management (road or bridge construction)
Elevated highways construction	Repair or maintenance of roads or bridges
Footpaths construction (except concrete)	Road construction or sealing
Highways construction	Road sub-base or fill quarrying (in conjunction with road construction)
Hot-mix bituminous paving mfg and/or laying	Viaducts construction

Australian Standard Industrial Classification : Detailed Classification

DIVISION E : CONSTRUCTION - contd

SUBDIVISION 41 : GENERAL CONSTRUCTION - contd

Group	Class	Title and Description
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412		<u>NON-BUILDING CONSTRUCTION</u> - contd
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	4122	NON-BUILDING CONSTRUCTION N.E.C.
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This class consists of establishments mainly engaged in the construction of railway permanent way, dams, irrigation systems, harbour or riverworks, water or gas supply systems, oil refineries (except buildings), pipelines or other construction projects n.e.c., in the on-site assembly of boilers, furnaces or heavy electrical machinery from prefabricated components, in the installation of commercial radio or television broadcasting equipment or of telephone or telegraph equipment, in the general repair of such structures, machinery or equipment, or in organising or managing such construction work.

EXCLUSIONS/REFERENCES: Establishments mainly engaged:

(a) in the installation of factory assembled commercial or industrial boilers are included in Class 3166;

(b) in the erection or installation (including on-site fabrication) of metal silos, reservoirs or storage tanks are included in Class 4241; (c) in the installation of hot water systems are included in Class 4242; and

(d) in providing special trade repair services, or in undertaking special trade construction of component parts for canals, dams, etc., e.g. in constructing stone retaining walls only or in constructing or repairing fences only, are generally included in the appropriate classes in Subdivision 42, Special Trade Construction.

Primary Activities

Boilers construction (on-site assembly from prefabricated components)	Electrical machinery, heavy, installation (on-site assembly)
Bowling greens construction	Flood control systems construction
Breakwaters construction	Furnaces construction (for industrial plants from prefab- ricated components)
Cable laying	Golf courses construction
Canals construction	Harbour works construction (except buildings)
Dams construction	Irrigation systems construction
Distribution lines, electricity or communication, construction	Jetties construction
Docks construction (except buildings or floating docks)	Kilns construction
	Lake construction

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DIVISION E : CONSTRUCTION - contd

SUBDIVISION 41 : GENERAL CONSTRUCTION - contd

Group	Class	Title and Description
412		<u>NON-BUILDING CONSTRUCTION</u> - contd
	4122	NON-BUILDING CONSTRUCTION N.E.C. - contd
		Primary Activities - contd
		Landscape gardening
		Mains construction (water, gas or sewerage)
		Mine site construction n.e.c.
		Oil refineries construc- tion (except buildings)
		Ovens construction (for industrial plants)
		Piers construction
		Pile driving
		Pipe laying
		Pipelines construction
		Project management (non- building construction n.e.c.)
		Radio or television broadcasting equipment, commercial, installation
		Railway permanent way construction
		Reservoirs construction
		River works construction
		Sewage treatment plants construction
		Sewerage drains or systems construction
		Sports fields construction
		Stormwater drains construction
		Subway construction (rail)
		Swimming pools, below ground concrete or fibre glass, construction
		Telephone, telegraph or telex equipment installation
		Television transmitting towers construction
		Tennis courts construction
		Tram permanent way construction
		Transmission lines, communications, construction (incl. towers)
		Transmission lines, electricity, construction (incl. towers)
		Tunnels construction
		Water supply or distribution systems construction
		Water tank construction (except of structural steel)
		Water towers construction
		Waterways construction
		Wharf construction (except wharf buildings)

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DIVISION E : CONSTRUCTION - contd

SUBDIVISION 42 : SPECIAL TRADE CONSTRUCTION

Group	Class	Title and Description
423		<u>CONCRETING, BRICKLAYING AND TILING TRADES</u>
	4231	CONCRETING
		This class consists of establishments mainly engaged in concreting work, concrete pouring or other concrete work on construction projects.
		Primary Activities
		Concrete pumping Kerb and guttering, Concrete work on concrete, construction construction projects Repair of kerbs, Concreting gutters or other Footpaths, concrete, concrete structural construction products Foundations, concrete, Terrazzo laying construction
	4232	BRICKLAYING
		This class consists of establishments mainly engaged in bricklaying or concrete block laying.
		Primary Activities
		Bricklaying Repair of brickwork Concrete block Stonework on laying construction projects
	4233	ROOF TILING
		This class consists of establishments mainly engaged in roof tiling.
		Primary Activities
		Roof tiling

Australian Standard Industrial Classification : Detailed Classification

DIVISION E : CONSTRUCTION - contd

SUBDIVISION 42 : SPECIAL TRADE CONSTRUCTION - contd

Group	Class	Title and Description						
423		<u>CONCRETING, BRICKLAYING AND TILING TRADES</u> - contd						
	4234	FLOOR AND WALL TILING						
		This class consists of establishments mainly engaged in laying or setting ceramic, concrete or cut stone wall or floor tiles.						
		EXCLUSIONS/REFERENCES: Establishments mainly engaged in laying rubber, cork or other tiles or floor coverings are included in Class 4249.						
		Primary Activities						
		<table> <tr> <td>Floor tiling (using ceramic, concrete or cut stone tiles)</td> <td>Tile laying or setting (using ceramic, concrete or cut stone tiles)</td> </tr> <tr> <td>Mosaic work on construction projects</td> <td>Wall tiling (using ceramic, concrete or cut stone tiles)</td> </tr> </table>	Floor tiling (using ceramic, concrete or cut stone tiles)	Tile laying or setting (using ceramic, concrete or cut stone tiles)	Mosaic work on construction projects	Wall tiling (using ceramic, concrete or cut stone tiles)		
Floor tiling (using ceramic, concrete or cut stone tiles)	Tile laying or setting (using ceramic, concrete or cut stone tiles)							
Mosaic work on construction projects	Wall tiling (using ceramic, concrete or cut stone tiles)							
424		<u>OTHER SPECIAL TRADES</u>						
	4241	STRUCTURAL STEEL ERECTION						
		This class consists of establishments mainly engaged in the erection (including on-site fabrication) of metal silos, storage tanks or structural steel components for buildings or other structures such as bridges, overhead cranes or electricity transmission towers.						
		EXCLUSIONS/REFERENCES: Establishments mainly engaged in the construction of complete structures such as buildings, bridges, towers or oil refinery plant (which incorporate structural steel components) are included in the appropriate classes in Subdivision 41, General Construction.						
		Primary Activities						
		<table> <tr> <td>Reinforcing steel erection</td> <td>Structural steel erection</td> </tr> <tr> <td>Silos, metal, erection</td> <td>Trusses or joists, steel, erection</td> </tr> <tr> <td>Storage tanks, metal, erection</td> <td>Welding work on construction projects</td> </tr> </table>	Reinforcing steel erection	Structural steel erection	Silos, metal, erection	Trusses or joists, steel, erection	Storage tanks, metal, erection	Welding work on construction projects
Reinforcing steel erection	Structural steel erection							
Silos, metal, erection	Trusses or joists, steel, erection							
Storage tanks, metal, erection	Welding work on construction projects							

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DIVISION E : CONSTRUCTION - contd

SUBDIVISION 42 : SPECIAL TRADE CONSTRUCTION - contd

Group	Class	Title and Description
424		<u>OTHER SPECIAL TRADES</u> - contd
	4242	PLUMBING
		This class consists of establishments mainly engaged in plumbing or draining (except sewerage or stormwater drains construction) or septic tank installation. Plumbing work arising from the installation of appliances is included in this class.
		EXCLUSIONS/REFERENCES: Establishments mainly engaged in the construction of sewerage or stormwater drains are included in Class 4122.
		Primary Activities
		Drains construction, cleaning or repairing (except sewerage or stormwater drains)
		Gas appliance repair
		Gas plumbing
		Guttering, roof, installation or repair
		Hot water systems installation
		Plumbing (except marine)
		Repair of installed plumbing
		Septic tank installation
		Solar hot water systems installation
	4243	<u>ELECTRICAL WORK</u>
		This class consists of establishments mainly engaged in the installation of electrical wiring or fittings in buildings or other construction projects. Electrical work arising from the installation of appliances is included in this class.
		EXCLUSIONS/REFERENCES: Establishments mainly engaged in installing domestic electrical appliances not requiring electrical work or in repairing electrical appliances are included in Class 4857.
		Primary Activities
		Domestic exhaust fans installation
		Electric light or power installation
		Electric wiring installation on construction projects
		Electrical work on construction projects
		Repair or maintenance of electrical wiring (except of electricity transmission or distribution lines)

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DIVISION E : CONSTRUCTION - contd

SUBDIVISION 42 : SPECIAL TRADE CONSTRUCTION - contd

Group	Class	Title and Description								
424		<u>OTHER SPECIAL TRADES</u> - contd								
	4244	HEATING AND AIR CONDITIONING								
		This class consists of establishments mainly engaged in the installation of household, industrial or commercial heating, refrigeration or air conditioning equipment or in the installation of air conditioning ductwork.								
		EXCLUSIONS/REFERENCES: Establishments mainly engaged: (a) in manufacturing air conditioning ductwork are included in Class 3153; (b) in the on-site assembly of industrial furnaces from prefabricated components are included in Class 4122; and (c) in installing motor vehicle air conditioning equipment are included in Class 4861.								
		Primary Activities								
		<table> <tbody> <tr> <td>Air conditioning ductwork installation</td> <td>Heating equipment installation (except industrial furnaces)</td> </tr> <tr> <td>Air conditioning equipment installation (except motor vehicle air conditioning equipment)</td> <td>Oil heaters installation</td> </tr> <tr> <td></td> <td>Refrigeration equipment installation</td> </tr> <tr> <td></td> <td>Ventilation equipment installation n.e.c.</td> </tr> </tbody> </table>	Air conditioning ductwork installation	Heating equipment installation (except industrial furnaces)	Air conditioning equipment installation (except motor vehicle air conditioning equipment)	Oil heaters installation		Refrigeration equipment installation		Ventilation equipment installation n.e.c.
Air conditioning ductwork installation	Heating equipment installation (except industrial furnaces)									
Air conditioning equipment installation (except motor vehicle air conditioning equipment)	Oil heaters installation									
	Refrigeration equipment installation									
	Ventilation equipment installation n.e.c.									
	4245	PLASTERING AND PLASTER FIXING								
		This class consists of establishments mainly engaged in plastering, plaster fixing or finishing.								
		Primary Activities								
		<table> <tbody> <tr> <td>Cement rendering of buildings</td> <td>Plasterboard fixing or finishing</td> </tr> <tr> <td>Fibrous plaster fixing or finishing</td> <td>Plaster work on construction projects</td> </tr> </tbody> </table>	Cement rendering of buildings	Plasterboard fixing or finishing	Fibrous plaster fixing or finishing	Plaster work on construction projects				
Cement rendering of buildings	Plasterboard fixing or finishing									
Fibrous plaster fixing or finishing	Plaster work on construction projects									

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DIVISION E : CONSTRUCTION - contd

SUBDIVISION 42 : SPECIAL TRADE CONSTRUCTION - contd

Group	Class	Title and Description						
424		<u>OTHER SPECIAL TRADES</u> - contd						
	4246	CARPENTRY						
		This class consists of establishments mainly engaged in carpentry work or the fixing of wooden formwork on construction projects.						
		EXCLUSIONS/REFERENCES: Establishments mainly engaged in the installation (except on-site fabrication) of prefabricated, wooden built-in cabinets, cupboards or shop fronts are included in Class 2535.						
		Primary Activities						
		<table> <tr> <td>Carpentry work on construction projects</td> <td>Joinery work on construction projects (on-site fabrication only)</td> </tr> <tr> <td>Flooring, wooden, fixing</td> <td>Roof trusses, wooden, fixing</td> </tr> <tr> <td>Formwork, wooden, fixing</td> <td></td> </tr> </table>	Carpentry work on construction projects	Joinery work on construction projects (on-site fabrication only)	Flooring, wooden, fixing	Roof trusses, wooden, fixing	Formwork, wooden, fixing	
Carpentry work on construction projects	Joinery work on construction projects (on-site fabrication only)							
Flooring, wooden, fixing	Roof trusses, wooden, fixing							
Formwork, wooden, fixing								
	4247	PAINTING						
		This class consists of establishments mainly engaged in painting, decorating or wall papering houses or other structures.						
		Primary Activities						
		<table> <tr> <td>House painting</td> <td>Spray painting of buildings or other structures</td> </tr> <tr> <td>Painting of buildings or other structures</td> <td>Wall papering</td> </tr> <tr> <td>Paper hanging</td> <td></td> </tr> </table>	House painting	Spray painting of buildings or other structures	Painting of buildings or other structures	Wall papering	Paper hanging	
House painting	Spray painting of buildings or other structures							
Painting of buildings or other structures	Wall papering							
Paper hanging								
	4248	EARTHMOVING AND DREDGING						
		This class consists of establishments mainly engaged in earthmoving or dredging work such as levelling of construction sites, excavation of foundations, trench digging, dredging of harbours or rivers or removal of overburden from mine sites. This class also includes establishments mainly engaged in hiring earthmoving plant with operators.						

Australian Standard Industrial Classification : Detailed Classification

DIVISION E : CONSTRUCTION - contd

SUBDIVISION 42 : SPECIAL TRADE CONSTRUCTION - contd

Group	Class	Title and Description
424		<u>OTHER SPECIAL TRADES</u> - contd
	4248	<u>EARTHMOVING AND DREDGING</u> - contd
		EXCLUSIONS/REFERENCES: Establishments mainly engaged: (a) in quarrying sand or gravel are included in Class 1401; (b) in quarrying earth soil or filling (except in conjunction with construction activities at the same establishment) are included in Class 1404; and (c) in wholesaling or retailing sand, gravel or other quarried construction materials are included in Class 4728.
		Primary Activities
		Dredging (harbours or rivers) Land reclamation Earthmoving Levelling (construction sites) Excavation Mine site preparation Land clearing (except rural) (removal of overburden) Trench digging
	4249	<u>SPECIAL TRADES N.E.C.</u>
		This class consists of establishments mainly engaged in special trade contract work n.e.c.
		Primary Activities
		Acoustical insulation materials installation Fire sprinklers installation Alarm systems, fire, installation Floor coverings laying n.e.c. Awnings installation or repair Floor sanding Bituminous roofing materials installation Flywire screens, shutters or blinds installation Blinds installation or repair Garden sprinkler systems installation (except irrigation systems) Bores, water, drilling Insulation materials installation Carpet or carpet tiles laying Insulation work on construction projects Cladding, metal wall or roof, fixing (to buildings) Linoleum or linotile laying Demolition of buildings or other structures Metal roofing fixing Explosives laying Petrol bowsers installation Fence construction Roofing materials installation n.e.c.

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DIVISION E : CONSTRUCTION - contd

SUBDIVISION 42 : SPECIAL TRADE CONSTRUCTION - contd

Group	Class	Title and Description
424		<u>OTHER SPECIAL TRADES</u> - contd
	4249	SPECIAL TRADES N.E.C. - contd
		Primary Activities - contd
		Sand or other abrasive blasting of building exteriors
		Scaffolding construction
		Sheds, garages or carports, metal or wood, erection (from prefabricated components)
		Steam-cleaning of building exteriors
		Waterproofing of buildings
		Well sinking
		Windows or window frames installation
		Window insulation fixing

